Solutions to the game of 24s

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The answers below are in the following format:

{{hand of cards 1},{list of answers},
 {hand of cards 2},{list of answers}.
 etc.
 }

This set includes answers for the following binary operators: addition, subtraction, multiplication, division, root, lot, power, and mod. 619 of the 715 possible hands in a game of 24s can be solved with these rules.

These answers were produced through producing all possible combinations of hands and operators, with some small simplifcations for the sake of speed, indicated in *Mathematica* notation below.

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Off[General::"spell1"]; Off[General::"spell"];
power[x_?(# > 0 &), y_?(-16 ≤ # ≤ 16 &)] := x^y; power[x__] := Indeterminate;
root[x_Integer?(# > 0 &), y_Integer?(-16 ≤ # ≤ 16 && # ≠ 0 &)] := Sqrt[x, y];
root[x__] := Indeterminate;
divide[x_, y_] /; y ≠ 0 := Divide[x, y]; divide[x_, 0] := Indeterminate;
log[x_?(# > 0 &), y_?(# > 0 &)] := Log[x, y]; log[x__] := Indeterminate;
mod[x_Integer?(# > 0 &), y_Integer?(-16 ≤ # ≤ 16 && # ≠ 0 &)] := Mod[x, y];
mod[x__] := Indeterminate;
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{{{1, 1, 1, 1}, {}}, {{1, 1, 1, 2}, {}}, {{1, 1, 1, 3}, {}},
 {{1, 1, 1, 4}, {}}, {{1, 1, 1, 5}, {5^(1+1) - 1}}, {{1, 1, 1, 6}, {}}, {{1, 1, 1, 7}, {}},
 {{1, 1, 1, 8}, {((1 + 1) + 1) 8, (1 + (1 + 1)) 8, 8 ((1 + 1) + 1), 8 (1 + (1 + 1))}},
 {{1, 1, 1, 9}, {}}, {{1, 1, 1, 10}, {}}, {{1, 1, 2, 2}, {}},
 {{1, 1, 2, 3}, {}}, {{1, 1, 2, 4}, {(1 + 4)^2 - 1, (4 + 1)^2 - 1}},
 {{1, 1, 2, 5}, {1 (5^2 - 1), 1 × 5^2 - 1, (1 × 5)^2 - 1, 5^(1 × 2) - 1, (5 × 1)^2 - 1, (5/1)^2 - 1, (5^1)^2 - 1,
    root[5, 1]^2 - 1, (5^2 - 1) 1, (5^2 - 1)/1, (5^2 - 1)^1, root[5^2 - 1, 1], 5^2 1 - 1, 5^2/1 - 1, 5^2 - 1 × 1, 5^2 - 1/1,
    5^2 - 1^1, 5^2 - root[1, 1], 5^(2 × 1) - 1, 5^(2/1) - 1, 5^(2^1) - 1, 5^root[2,1] - 1, (5^2)^1 - 1, root[5^2, 1] - 1}},
 {{1, 1, 2, 6}, {((1 + 1) 2) 6, ((1 + 1) + 2) 6, (1 + (1 + 2)) 6, (1 + 1)^2 6, (1 + 1) (2 × 6),
    ((1 + 1) 6) 2, (1 + 1) (6 × 2), ((1 + 2) + 1) 6, (1 + (2 + 1)) 6, (2 (1 + 1)) 6, ((2 + 1) + 1) 6,
    (2 + (1 + 1)) 6, 2^(1+1) 6, 2 ((1 + 1) 6), (2 × 6) (1 + 1), 2 (6 (1 + 1)), (6 (1 + 1)) 2,
    6 ((1 + 1) 2), 6 ((1 + 1) + 2), 6 (1 + (1 + 2)), 6 (1 + 1)^2, 6 ((1 + 2) + 1), 6 (1 + (2 + 1)),
    (6 - 1)^2 - 1, (6 × 2) (1 + 1), 6 (2 (1 + 1)), 6 ((2 + 1) + 1), 6 (2 + (1 + 1)), 6 × 2^(1+1)}},
 {{1, 1, 2, 7}, {(1 + 2) (1 + 7), (1 + 2) (7 + 1), (1 + 7) (1 + 2), (1 + 7) (2 + 1),
    (2 + 1) (1 + 7), (2 + 1) (7 + 1), (7 + 1) (1 + 2), (7 + 1) (2 + 1)}},
 {{1, 1, 2, 8}, {(1 + 2) 8, (1 × 1 + 2) 8, (1/1 + 2) 8, (1^1 + 2) 8, (root[1, 1] + 2) 8, (1 + 1 × 2) 8,
    (1 + 2) 8, (1 + 2) 8, (2 + 1) 8, (1 × 2 + 1) 8, (1 + 2 × 1) 8, (1 + 2/1) 8, (1 + 2)/1 8, (1 + 2^1) 8,
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$$(1+2)^1\,8,\ (1+\text{root}[2,1])\,8,\ \text{root}[1+2,1]\,8,\ (1+2)\,8,\ (2+1)\,8,\ \frac{1+2}{\frac{1}{8}},\ (1+2)\,8,\ (1+2)\,8,$$

$$(1+2)\,\frac{8}{1},\ \frac{(1+2)\,8}{1},\ (1+2)\,8^1,\ ((1+2)\,8)^1,\ (1+2)\,\text{root}[8,1],\ \text{root}[(1+2)\,8,1],$$

$$8\,(1+2),\ 8\,(1+2),\ 8\,(2+1),\ 8\,(2+1),\ (2+1)\,8,\ (2\times1+1)\,8,\ \left(\frac{2}{1}+1\right)8,\ \left(2^1+1\right)8,$$

$$(\text{root}[2,1]+1)\,8,\ (2+1\times1)\,8,\ \left(2+\frac{1}{1}\right)8,\ \frac{2+1}{1}\,8,\ \left(2+1^1\right)8,\ (2+1)^1\,8,\ (2+\text{root}[1,1])\,8,$$

$$\text{root}[2+1,1]\,8,\ (2+1)\,8,\ \frac{2+1}{\frac{1}{8}},\ (2+1)\,8,\ (2+1)\,8,\ (2+1)\,\frac{8}{1},\ \frac{(2+1)\,8}{1},\ (2+1)\,8^1,$$

$$((2+1)\,8)^1,\ (2+1)\,\text{root}[8,1],\ \text{root}[(2+1)\,8,1],\ 8\,(1+2),\ \frac{8}{1}\,(1+2),\ 8^1\,(1+2),$$

$$\text{root}[8,1]\,(1+2),\ 8\,(1+2),\ 8\,(1\times1+2),\ 8\left(\frac{1}{1}+2\right),\ 8\left(1^1+2\right),\ 8\,(\text{root}[1,1]+2),$$

$$8\,(1+1\times2),\ \frac{8}{\frac{1}{1+2}},\ 8\,(1+2),\ 8\,(1+2),\ 8\,(2+1),\ \frac{8}{1}\,(2+1),\ 8^1\,(2+1),\ \text{root}[8,1]\,(2+1),$$

$$8\,(2+1),\ 8\,(1\times2+1),\ 8\,(1+2\times1),\ 8\left(1+\frac{2}{1}\right),\ \frac{8}{\frac{1}{2+1}},\ 8\,\frac{1+2}{1},\ \frac{8\,(1+2)}{1},\ 8\left(1+2^1\right),\ 8\,(1+2)^1,$$

$$(8\,(1+2))^1,\ 8\,(1+\text{root}[2,1]),\ 8\,\text{root}[1+2,1],\ \text{root}[8\,(1+2),1],\ 8\,(2+1),\ 8\,(2+1),$$

$$8\,(2\times1+1),\ 8\left(\frac{2}{1}+1\right),\ 8\left(2^1+1\right),\ 8\,(\text{root}[2,1]+1),\ 8\,(2+1\times1),\ 8\left(2+\frac{1}{1}\right),\ 8\,\frac{2+1}{1},\ \frac{8\,(2+1)}{1},$$

$$8\left(2+1^1\right),\ 8\,(2+1)^1,\ (8\,(2+1))^1,\ 8\,(2+\text{root}[1,1]),\ 8\,\text{root}[2+1,1],\ \text{root}[8\,(2+1),1]\Big\}\Big\},$$

$$\{\{1,1,2,9\},\{(1+2)\,(9-1),\ (2+1)\,(9-1),\ (9-1)\,(1+2),\ (9-1)\,(2+1)\}\},$$

$$\{\{1,1,2,10\},\{(1+1)\,(2+10),\ ((1+1)+10)\,2,\ (1+(1+10))\,2,$$
$$(1+1)\,(10+2),\ ((1+10)+1)\,2,\ (1+(10+1))\,2,\ 2\,((1+1)+10),$$
$$2\,(1+(1+10)),\ 2\,((1+10)+1),\ 2\,(1+(10+1)),\ (2+10)\,(1+1),\ 2\,((10+1)+1),$$
$$2\,(10+(1+1)),\ ((10+1)+1)\,2,\ (10+(1+1))\,2,\ (10+2)\,(1+1)\}\},$$

$$\Big\{\{1,1,3,3\},\Big\{(1+1)^3\,3,\ 3\,(1+1)^3\Big\}\Big\},\ \{\{1,1,3,4\},$$
$$\{((1+1)\,3)\,4,\ (1+1)\,(3\times4),\ ((1+1)\,4)\,3,\ (1+1)\,(4\times3),\ (3\,(1+1))\,4,\ 3\,((1+1)\,4),$$
$$(3\times4)\,(1+1),\ 3\,(4\,(1+1)),\ (4\,(1+1))\,3,\ 4\,((1+1)\,3),\ (4\times3)\,(1+1),\ 4\,(3\,(1+1))\}\},$$

$$\Big\{\{1,1,3,5\},\Big\{(1+3)\,(1+5),\ (1+3)\,(5+1),\ (1+5)\,(1+3),\ (1+5)\,(3+1),$$
$$(3+1)\,(1+5),\ (3+1)\,(5+1),\ (5+1)\,(1+3),\ (5+1)\,(3+1),\ 5^{3-1}-1\Big\}\Big\},$$

$$\Big\{\{1,1,3,6\},\Big\{(1+3)\,6,\ (1\times1+3)\,6,\ \left(\frac{1}{1}+3\right)6,\ \left(1^1+3\right)6,\ (\text{root}[1,1]+3)\,6,\ (1+1\times3)\,6,$$

$$(1+3)\,6,\ ((1+1)+6)\,3,\ (1+(1+6))\,3,\ (1+3)\,6,\ (3+1)\,6,\ (1\times3+1)\,6,\ (1+3\times1)\,6,\ \left(1+\frac{3}{1}\right)6,$$

$$\frac{1+3}{1}\,6,\ \left(1+3^1\right)6,\ (1+3)^1\,6,\ (1+\text{root}[3,1])\,6,\ \text{root}[1+3,1]\,6,\ (1+3)\,6,\ (3+1)\,6,$$

$$\frac{1+3}{\frac{1}{6}},\ (1+3)\,6,\ (1+3)\,6,\ (1+3)\,\frac{6}{1},\ \frac{(1+3)\,6}{1},\ (1+3)\,6^1,\ ((1+3)\,6)^1,\ (1+3)\,\text{root}[6,1],$$

$$\text{root}[(1+3)\,6,1],\ ((1+6)+1)\,3,\ (1+(6+1))\,3,\ 6\,(1+3),\ 6\,(1+3),\ 6\,(3+1),\ 6\,(3+1),$$

$$(3+1)\,6,\ (3\times1+1)\,6,\ \left(\frac{3}{1}+1\right)6,\ \left(3^1+1\right)6,\ (\text{root}[3,1]+1)\,6,\ (3+1\times1)\,6,\ \left(3+\frac{1}{1}\right)6,$$

$$\frac{3+1}{1}\,6,\ \left(3+1^1\right)6,\ (3+1)^1\,6,\ (3+\text{root}[1,1])\,6,\ \text{root}[3+1,1]\,6,\ (3+1)\,6,\ 3\,((1+1)+6),$$

$$3\,(1+(1+6)),\ \frac{3+1}{\frac{1}{6}},\ (3+1)\,6,\ (3+1)\,6,\ 3\,((1+6)+1),\ 3\,(1+(6+1)),\ (3+1)\,\frac{6}{1},\ \frac{(3+1)\,6}{1},$$

$$(3+1)\,6^1,\ ((3+1)\,6)^1,\ (3+1)\,\text{root}[6,\,1],\ \text{root}[(3+1)\,6,\,1],\ 3\,((6+1)+1),\ 3\,(6+(1+1)),$$

$$((6+1)+1)\,3,\ (6+(1+1))\,3,\ 6\,(1+3),\ \frac{6}{1}\,(1+3),\ 6^1\,(1+3),\ \text{root}[6,\,1]\,(1+3),\ 6\,(1+3),$$

$$6\,(1\times 1+3),\ 6\left(\frac{1}{1}+3\right),\ 6\left(1^1+3\right),\ 6\,(\text{root}[1,\,1]+3),\ 6\,(1+1\times 3),\ \frac{6}{\frac{1}{1+3}},\ 6\,(1+3),$$

$$6\,(1+3),\ 6\,(3+1),\ \frac{6}{1}\,(3+1),\ 6^1\,(3+1),\ \text{root}[6,\,1]\,(3+1),\ 6\,(3+1),\ 6\,(1\times 3+1),$$

$$6\,(1+3\times 1),\ 6\left(1+\frac{3}{1}\right),\ \frac{6}{\frac{1}{3+1}},\ 6\,\frac{1+3}{1},\ \frac{6\,(1+3)}{1},\ 6\left(1+3^1\right),\ 6\,(1+3)^1,\ (6\,(1+3))^1,$$

$$6\,(1+\text{root}[3,\,1]),\ 6\,\text{root}[1+3,\,1],\ \text{root}[6\,(1+3),\,1],\ 6\,(3+1),\ 6\,(3+1),\ 6\,(3\times 1+1),$$

$$6\left(\frac{3}{1}+1\right),\ 6\left(3^1+1\right),\ 6\,(\text{root}[3,\,1]+1),\ 6\,(3+1\times 1),\ 6\left(3+\frac{1}{1}\right),\ 6\,\frac{3+1}{1},\ \frac{6\,(3+1)}{1},$$

$$6\left(3+1^1\right),\ 6\,(3+1)^1,\ (6\,(3+1))^1,\ 6\,(3+\text{root}[1,\,1]),\ 6\,\text{root}[3+1,\,1],\ \text{root}[6\,(3+1),\,1]\Big\}\Big\},$$

$$\Big\{\{1,\,1,\,3,\,7\},\ \Big\{(1+7)\,3,\ (1\times 1+7)\,3,\ \left(\frac{1}{1}+7\right)3,\ \left(1^1+7\right)3,\ (\text{root}[1,\,1]+7)\,3,\ (1+1\times 7)\,3,$$

$$(1+7)\,3,\ 3\,(1+7),\ 3\,(1+7),\ 3\,(7+1),\ 3\,(7+1),\ (1+3)\,(7-1),\ (1+7)\,3,\ (7+1)\,3,$$

$$(1\times 7+1)\,3,\ (1+7\times 1)\,3,\ \left(1+\frac{7}{1}\right)3,\ \frac{1+7}{1}\,3,\ \left(1+7^1\right)3,\ (1+7)^1\,3,\ (1+\text{root}[7,\,1])\,3,$$

$$\text{root}[1+7,\,1]\,3,\ (1+7)\,3,\ (7+1)\,3,\ \frac{1+7}{\frac{1}{3}},\ (1+7)\,3,\ (1+7)\,3,\ (1+7)\,\frac{3}{1},\ \frac{(1+7)\,3}{1},$$

$$(1+7)\,3^1,\ ((1+7)\,3)^1,\ (1+7)\,\text{root}[3,\,1],\ \text{root}[(1+7)\,3,\,1],\ 3\,(1+7),\ \frac{3}{1}\,(1+7),\ 3^1\,(1+7),$$

$$\text{root}[3,\,1]\,(1+7),\ 3\,(1+7),\ 3\,(1\times 1+7),\ 3\left(\frac{1}{1}+7\right),\ 3\left(1^1+7\right),\ 3\,(\text{root}[1,\,1]+7),$$

$$3\,(1+1\times 7),\ \frac{3}{\frac{1}{1+7}},\ 3\,(1+7),\ 3\,(1+7),\ 3\,(7+1),\ \frac{3}{1}\,(7+1),\ 3^1\,(7+1),\ \text{root}[3,\,1]\,(7+1),$$

$$3\,(7+1),\ 3\,(1\times 7+1),\ 3\,(1+7\times 1),\ \frac{3}{\frac{1}{7+1}},\ 3\left(1+\frac{7}{1}\right),\ 3\,\frac{1+7}{1},\ \frac{3\,(1+7)}{1},\ 3\left(1+7^1\right),\ 3\,(1+7)^1,$$

$$(3\,(1+7))^1,\ 3\,(1+\text{root}[7,\,1]),\ 3\,\text{root}[1+7,\,1],\ \text{root}[3\,(1+7),\,1],\ (3+1)\,(7-1),$$

$$3\,(7+1),\ 3\,(7+1),\ 3\,(7\times 1+1),\ 3\left(\frac{7}{1}+1\right),\ 3\left(7^1+1\right),\ 3\,(\text{root}[7,\,1]+1),\ 3\,(7+1\times 1),$$

$$3\left(7+\frac{1}{1}\right),\ 3\,\frac{7+1}{1},\ \frac{3\,(7+1)}{1},\ 3\left(7+1^1\right),\ 3\,(7+1)^1,\ (3\,(7+1))^1,\ 3\,(7+\text{root}[1,\,1]),$$

$$3\,\text{root}[7+1,\,1],\ \text{root}[3\,(7+1),\,1],\ (7+1)\,3,\ (7\times 1+1)\,3,\ \left(\frac{7}{1}+1\right)3,\ \left(7^1+1\right)3,$$

$$(\text{root}[7,\,1]+1)\,3,\ (7+1\times 1)\,3,\ \left(7+\frac{1}{1}\right)3,\ \frac{7+1}{1}\,3,\ \left(7+1^1\right)3,\ (7+1)^1\,3,\ (7+\text{root}[1,\,1])\,3,$$

$$\text{root}[7+1,\,1]\,3,\ (7+1)\,3,\ (7-1)\,(1+3),\ \frac{7+1}{\frac{1}{3}},\ (7+1)\,3,\ (7+1)\,3,\ (7-1)\,(3+1),$$

$$(7+1)\,\frac{3}{1},\ \frac{(7+1)\,3}{1},\ (7+1)\,3^1,\ ((7+1)\,3)^1,\ (7+1)\,\text{root}[3,\,1],\ \text{root}[(7+1)\,3,\,1]\Big\}\Big\},$$

$$\Big\{\{1,\,1,\,3,\,8\},\ \Big\{3\times 8,\ \Big(\frac{1}{1}\,3\Big)\,8,\ \big(1^1\,3\big)\,8,\ (\text{root}[1,\,1]\,3)\,8,\ 3\times 8,\ (\text{mod}[1,\,1]+3)\,8,$$

$$((1-1)+3)\,8,\ \frac{1}{\frac{1}{3}}\,8,\ (1-(1-3))\,8,\ 3\times 8,\ \frac{1}{1}\,(3\times 8),\ 1^1\,(3\times 8),\ \text{root}[1,\,1]\,(3\times 8),\ 3\times 8,$$

$$3\times 8,\ \text{mod}[1,\,1]+3\times 8,\ (1-1)+3\times 8,\ \frac{1}{\frac{1}{3\times 8}},\ \frac{1}{\frac{1}{3}\over 8},\ 1-(1-3\times 8),\ 8\times 3,\ \Big(\frac{1}{1}\,8\Big)\,3,\ \big(1^1\,8\big)\,3,$$

$$(\text{root}[1,\,1]\,8)\,3,\ 8\times 3,\ (\text{mod}[1,\,1]+8)\,3,\ ((1-1)+8)\,3,\ \frac{1}{\frac{1}{8}}\,3,\ (1-(1-8))\,3,\ 8\times 3,$$

$$\frac{1}{1}\,(8\times 3),\ 1^1\,(8\times 3),\ \text{root}[1,\,1]\,(8\times 3),\ 8\times 3,\ 8\times 3,\ \text{mod}[1,\,1]+8\times 3,\ (1-1)+8\times 3,\ \frac{1}{\frac{1}{8\times 3}},$$

$$\frac{1}{\frac{1}{8}\over 3},\ 1-(1-8\times 3),\ 3\times 8,\ 3\times 8,\ \frac{3}{1}\,8,\ \frac{1\times 3}{1}\,8,\ 3^1\,8,\ (1\times 3)^1\,8,\ \text{root}[3,\,1]\,8,\ \text{root}[1\times 3,\,1]\,8,$$

$$(1+(3-1))\,8,\ ((1+3)-1)\,8,\ 3\times 8,\ 3\times 8,\ \frac{3}{1}\,8,\ 3^1\,8,\ \text{root}[3,\,1]\,8,\ 3\times 8,\ 1\,\frac{3}{\frac{1}{8}},\ \frac{1\times 3}{\frac{1}{8}},\ 3\times 8,$$

$$3\times 8,\ 3\times 8,\ 3\times 8,\ 3\times 8,\ 3\times\frac{8}{1},\ 3\times\frac{8}{1},\ 1\,\frac{3\times 8}{1},\ \frac{3\times 8}{1},\ \frac{3\times 8}{1},\ 3\times 8^1,\ 3\times 8^1,\ 1\,(3\times 8)^1,\ (3\times 8)^1,$$

$$(3\times 8)^1,\ 3\,\text{root}[8,\,1],\ 3\,\text{root}[8,\,1],\ 1\,\text{root}[3\times 8,\,1],\ \text{root}[3\times 8,\,1],\ \text{root}[3\times 8,\,1],$$

$$1+(3\times 8-1),\ (1+3\times 8)-1,\ 8\times 3,\ 8\times 3,\ \frac{8}{1}\,3,\ \frac{1\times 8}{1}\,3,\ 8^1\,3,\ (1\times 8)^1\,3,\ \text{root}[8,\,1]\,3,$$

$$\text{root}[1\times 8,\,1]\,3,\ (1+(8-1))\,3,\ ((1+8)-1)\,3,\ 8\times 3,\ 8\times 3,\ \frac{8}{1}\,3,\ 8^1\,3,\ \text{root}[8,\,1]\,3,$$

$$8\times 3,\ 1\,\frac{8}{\frac{1}{3}},\ \frac{1\times 8}{\frac{1}{3}},\ 8\times 3,\ 8\times 3,\ 8\times 3,\ 8\times 3,\ 8\times 3,\ 8\times\frac{3}{1},\ 8\times\frac{3}{1},\ 1\,\frac{8\times 3}{1},\ \frac{8\times 3}{1},\ \frac{8\times 3}{1},$$

$$8\times 3^1,\ 8\times 3^1,\ 1\,(8\times 3)^1,\ (8\times 3)^1,\ (8\times 3)^1,\ 8\,\text{root}[3,\,1],\ 8\,\text{root}[3,\,1],\ 1\,\text{root}[8\times 3,\,1],$$

$$\text{root}[8\times 3,\,1],\ \text{root}[8\times 3,\,1],\ 1+(8\times 3-1),\ (1+8\times 3)-1,\ 3\times 8,\ \frac{3}{1}\,8,\ 3^1\,8,\ \text{root}[3,\,1]\,8,$$

$$3\times 8,\ ((3-1)+1)\,8,\ \Big(3\times\frac{1}{1}\Big)\,8,\ \frac{3}{1\times 1}\,8,\ \frac{3}{\frac{1}{1}}\,8,\ \frac{3}{1^1}\,8,\ \frac{3}{\text{root}[1,\,1]}\,8,\ \frac{3\times 1}{1}\,8,\ \frac{\frac{3}{1}}{1}\,8,\ \frac{3^1}{1}\,8,$$

$$\frac{\text{root}[3,\,1]}{1}\,8,\ (3+\text{mod}[1,\,1])\,8,\ \big(3\times 1^1\big)\,8,\ 3^{1\times 1}\,8,\ 3^{\frac{1}{1}}\,8,\ 3^{1^1}\,8,\ 3^{\text{root}[1,1]}\,8,\ (3\times 1)^1\,8,\ \Big(\frac{3}{1}\Big)^1\,8,$$

$$\big(3^1\big)^1\,8,\ \text{root}[3,\,1]^1\,8,\ (3\,\text{root}[1,\,1])\,8,\ \text{root}[3,\,1\times 1]\,8,\ \text{root}\Big[3,\,\frac{1}{1}\Big]\,8,\ \text{root}\big[3,\,1^1\big]\,8,$$

$$\text{root}[3,\,\text{root}[1,\,1]]\,8,\ \text{root}[3\times 1,\,1]\,8,\ \text{root}\Big[\frac{3}{1},\,1\Big]\,8,\ \text{root}\big[3^1,\,1\big]\,8,\ \text{root}[\text{root}[3,\,1],\,1]\,8,$$

$$(3+(1-1))\,8,\ (3-\text{mod}[1,\,1])\,8,\ (3-(1-1))\,8,\ ((3+1)-1)\,8,\ 3\times 8,\ \frac{3}{1}\,8,\ 3^1\,8,\ \text{root}[3,\,1]\,8,$$

$$3\times 8,\ 3\,\Big(\frac{1}{1}\,8\Big),\ 3\,\big(1^1\,8\big),\ 3\,(\text{root}[1,\,1]\,8),\ 3\times 8,\ 3\,(\text{mod}[1,\,1]+8),\ 3\,((1-1)+8),\ 3\,\frac{1}{\frac{1}{8}},$$

$$\frac{3}{1\times\frac{1}{8}},\ \frac{3}{\frac{1}{1\times 8}},\ \frac{3}{\frac{1\times 1}{8}},\ \frac{3}{\frac{1}{\frac{1}{8}}},\ \frac{3}{\frac{1}{1^1}{8}},\ \frac{3}{\frac{\text{root}[1,1]}{8}},\ \frac{3\times 1}{\frac{1}{8}},\ \frac{\frac{3}{1}}{\frac{1}{8}},\ \frac{3^1}{\frac{1}{8}},\ \frac{\text{root}[3,\,1]}{\frac{1}{8}},\ 3\ (1-(1-8)),\ 3\times 8,$$

$$\frac{3}{1}\,8,\ 3^1\,8,\ \text{root}[3,\,1]\,8,\ 3\times 8,\ \frac{3}{\frac{1}{8}}\,1,\ 3\times 8,\ \frac{3}{1}\,8,\ 3^1\,8,\ \text{root}[3,\,1]\,8,\ 3\times 8,\ 3\times 8,\ \frac{3}{\frac{1}{8}\,1},\ \frac{3}{\frac{1}{8\times 1}},$$

$$\frac{3}{\frac{1}{\frac{8}{1}}},\ \frac{3}{\frac{1}{8^1}},\ \frac{3}{\frac{1}{\text{root}[8,1]}},\ \frac{3}{\frac{1}{\frac{8}{1}}},\ \frac{3}{\left(\frac{1}{8}\right)^1},\ 3\times\frac{8}{1},\ \frac{3}{1}\,\frac{8}{1},\ 3^1\,\frac{8}{1},\ \text{root}[3,\,1]\,\frac{8}{1},\ 3\times\frac{8}{1},\ 3\,\frac{1\times 8}{1},\ \frac{3\times 8}{1},$$

$$\frac{\frac{3}{1}\,8}{1},\ \frac{3^1\,8}{1},\ \frac{\text{root}[3,\,1]\,8}{1},\ \frac{3\times 8}{1},\ \frac{\frac{3}{1}}{\frac{8}{1}},\ 3\times 8^1,\ \frac{3}{1}\,8^1,\ 3^1\,8^1,\ \text{root}[3,\,1]\,8^1,\ 3\times 8^1,\ 3\,(1\times 8)^1,$$

$$(3\times 8)^1,\ \left(\frac{3}{1}\,8\right)^1,\ \left(3^1\,8\right)^1,\ (\text{root}[3,\,1]\,8)^1,\ (3\times 8)^1,\ \left(\frac{3}{\frac{1}{8}}\right)^1,\ 3\,\text{root}[8,\,1],\ \frac{3}{1}\,\text{root}[8,\,1],$$

$$3^1\,\text{root}[8,\,1],\ \text{root}[3,\,1]\,\text{root}[8,\,1],\ 3\,\text{root}[8,\,1],\ 3\,\text{root}[1\times 8,\,1],\ \text{root}[3\times 8,\,1],$$

$$\text{root}\left[\frac{3}{1}\,8,\,1\right],\ \text{root}\left[3^1\,8,\,1\right],\ \text{root}[\text{root}[3,\,1]\,8,\,1],\ \text{root}[3\times 8,\,1],\ \text{root}\left[\frac{3}{\frac{1}{8}},\,1\right],$$

$$3\ (1+(8-1)),\ 3\ ((1+8)-1),\ 3\times 8,\ 3\times 8,\ 3\times\frac{8}{1},\ \frac{3\times 8}{1}\,1,\ 3\times 8^1,\ (3\times 8)^1\,1,\ 3\,\text{root}[8,\,1],$$

$$\text{root}[3\times 8,\,1]\,1,\ 3\times 8,\ 3\times 8,\ 3\times\frac{8}{1},\ 3\times 8^1,\ 3\,\text{root}[8,\,1],\ 3\times 8,\ 3\ ((8-1)+1),\ (3\times 8-1)+1,$$

$$(3\times 8)\,\frac{1}{1},\ 3\left(8\times\frac{1}{1}\right),\ 3\,\frac{8}{1\times 1},\ 3\,\frac{8}{\frac{1}{1}},\ 3\,\frac{8}{1^1},\ 3\,\frac{8}{\text{root}[1,\,1]},\ 3\,\frac{8\times 1}{1},\ \frac{3\times 8}{1},\ \frac{3\times 8}{1\times 1},\ \frac{3\times 8}{\frac{1}{1}},\ \frac{3\times 8}{1^1},$$

$$\frac{3\times 8}{\text{root}[1,\,1]},\ \frac{3\times 8}{1},\ 3\,\frac{\frac{8}{1}}{1},\ \frac{3\times\frac{8}{1}}{1},\ \frac{\frac{3\times 8}{1}}{1},\ 3\,\frac{8^1}{1},\ \frac{3\times 8^1}{1},\ \frac{(3\times 8)^1}{1},\ 3\,\frac{\text{root}[8,\,1]}{1},\ \frac{3\,\text{root}[8,\,1]}{1},$$

$$\frac{\text{root}[3\times 8,\,1]}{1},\ 3\ (8+\text{mod}[1,\,1]),\ 3\times 8+\text{mod}[1,\,1],\ (3\times 8)\,1^1,\ 3\left(8\times 1^1\right),\ 3\times 8^{1\times 1},\ 3\times 8^{\frac{1}{1}},$$

$$3\times 8^{1^1},\ 3\times 8^{\text{root}[1,1]},\ 3\ (8\times 1)^1,\ (3\times 8)^1,\ (3\times 8)^{1\times 1},\ (3\times 8)^{\frac{1}{1}},\ (3\times 8)^{1^1},\ (3\times 8)^{\text{root}[1,1]},\ (3\times 8)^1,$$

$$3\left(\frac{8}{1}\right)^1,\ \left(3\times\frac{8}{1}\right)^1,\ \left(\frac{3\times 8}{1}\right)^1,\ 3\left(8^1\right)^1,\ \left(3\times 8^1\right)^1,\ \left((3\times 8)^1\right)^1,\ 3\,\text{root}[8,\,1]^1,\ (3\,\text{root}[8,\,1])^1,$$

$$\text{root}[3\times 8,\,1]^1,\ (3\times 8)\,\text{root}[1,\,1],\ 3\ (8\,\text{root}[1,\,1]),\ 3\,\text{root}[8,\,1\times 1],\ 3\,\text{root}\left[8,\,\frac{1}{1}\right],$$

$$3\,\text{root}\left[8,\,1^1\right],\ 3\,\text{root}[8,\,\text{root}[1,\,1]],\ 3\,\text{root}[8\times 1,\,1],\ \text{root}[3\times 8,\,1],\ \text{root}[3\times 8,\,1\times 1],$$

$$\text{root}\left[3\times 8,\,\frac{1}{1}\right],\ \text{root}\left[3\times 8,\,1^1\right],\ \text{root}[3\times 8,\,\text{root}[1,\,1]],\ \text{root}[3\times 8,\,1],\ 3\,\text{root}\left[\frac{8}{1},\,1\right],$$

$$\text{root}\left[3\times\frac{8}{1},\,1\right],\ \text{root}\left[\frac{3\times 8}{1},\,1\right],\ 3\,\text{root}\left[8^1,\,1\right],\ \text{root}\left[3\times 8^1,\,1\right],\ \text{root}\left[(3\times 8)^1,\,1\right],$$

$$3\,\text{root}[\text{root}[8,\,1],\,1],\ \text{root}[3\,\text{root}[8,\,1],\,1],\ \text{root}[\text{root}[3\times 8,\,1],\,1],\ 3\ (8+(1-1)),$$

$$3\times 8+(1-1),\ 3\ (8-\text{mod}[1,\,1]),\ 3\ (8-(1-1)),\ 3\times 8-\text{mod}[1,\,1],\ 3\times 8-(1-1),\ 3\ ((8+1)-1),$$

$$(3\times 8+1)-1,\ 8\times 3,\ \frac{8}{1}\,3,\ 8^1\,3,\ \text{root}[8,\,1]\,3,\ 8\times 3,\ ((8-1)+1)\,3,\ \left(8\times\frac{1}{1}\right)3,\ \frac{8}{1\times 1}\,3,\ \frac{8}{\frac{1}{1}}\,3,\ \frac{8}{1^1}\,3,$$

$$\frac{8}{\text{root}[1,\,1]}\,3,\ \frac{8\times 1}{1}\,3,\ \frac{\frac{8}{1}}{1}\,3,\ \frac{8^1}{1}\,3,\ \frac{\text{root}[8,\,1]}{1}\,3,\ (8+\text{mod}[1,\,1])\,3,\ \left(8\times 1^1\right)3,\ 8^{1\times 1}\,3,\ 8^{\frac{1}{1}}\,3,$$

$$8^{1^1}\,3,\ 8^{\text{root}[1,1]}\,3,\ (8\times 1)^1\,3,\ \left(\frac{8}{1}\right)^1 3,\ \left(8^1\right)^1 3,\ \text{root}[8,\ 1]^1\,3,\ (8\,\text{root}[1,\ 1])\ 3,\ \text{root}[8,\ 1\times 1]\ 3,$$

$$\text{root}\left[8,\ \frac{1}{1}\right]\ 3,\ \text{root}\left[8,\ 1^1\right]\ 3,\ \text{root}[8,\ \text{root}[1,\ 1]]\ 3,\ \text{root}[8\times 1,\ 1]\ 3,\ \text{root}\left[\frac{8}{1},\ 1\right]\ 3,$$

$$\text{root}\left[8^1,\ 1\right]\ 3,\ \text{root}[\text{root}[8,\ 1],\ 1]\ 3,\ (8+(1-1))\ 3,\ (8-\text{mod}[1,\ 1])\ 3,\ (8-(1-1))\ 3,$$

$$((8+1)-1)\ 3,\ 8\times 3,\ \frac{8}{1}\ 3,\ 8^1\,3,\ \text{root}[8,\ 1]\ 3,\ 8\times 3,\ 8\left(\frac{1}{1}\ 3\right),\ 8\left(1^1\,3\right),\ 8\ (\text{root}[1,\ 1]\ 3),$$

$$8\times 3,\ 8\ (\text{mod}[1,\ 1]+3),\ 8\ ((1-1)+3),\ 8\ \frac{1}{\frac{1}{3}},\ \frac{8}{1\times\frac{1}{3}},\ \frac{8}{\frac{1}{1\times 3}},\ \frac{8}{\frac{1\times 1}{3}},\ \frac{8}{\frac{1}{\frac{1}{3}}},\ \frac{8}{\frac{1^1}{3}},\ \frac{8}{\frac{\text{root}[1,1]}{3}},\ \frac{8\times 1}{\frac{1}{3}},$$

$$\frac{\frac{8}{1}}{\frac{1}{3}},\ \frac{8^1}{\frac{1}{3}},\ \frac{\text{root}[8,\ 1]}{\frac{1}{3}},\ 8\ (1-(1-3)),\ 8\times 3,\ \frac{8}{1}\ 3,\ 8^1\,3,\ \text{root}[8,\ 1]\ 3,\ 8\times 3,\ \frac{8}{\frac{1}{3}}\ 1,\ 8\times 3,\ \frac{8}{1}\ 3,$$

$$8^1\,3,\ \text{root}[8,\ 1]\ 3,\ 8\times 3,\ 8\times 3,\ 8\times\frac{3}{1},\ \frac{8}{1}\,\frac{3}{1},\ 8^1\,\frac{3}{1},\ \text{root}[8,\ 1]\ \frac{3}{1},\ 8\times\frac{3}{1},\ \frac{8}{\frac{1}{3}\,1},\ \frac{8}{\frac{1}{3\times 1}},\ \frac{8}{\frac{1}{\frac{3}{1}}},$$

$$\frac{8}{\frac{1}{3^1}},\ \frac{8}{\frac{1}{\text{root}[3,1]}},\ \frac{8}{\frac{\frac{1}{3}}{1}},\ \frac{8}{\left(\frac{1}{3}\right)^1},\ 8\ \frac{1\times 3}{1},\ \frac{8\times 3}{1},\ \frac{\frac{8}{1}\,3}{1},\ \frac{8^1\,3}{1},\ \frac{\text{root}[8,\ 1]\ 3}{1},\ \frac{8\times 3}{1},\ \frac{\frac{8}{\frac{1}{3}}}{1},\ 8\times 3^1,\ \frac{8}{1}\ 3^1,$$

$$8^1\,3^1,\ \text{root}[8,\ 1]\ 3^1,\ 8\times 3^1,\ 8\ (1\times 3)^1,\ (8\times 3)^1,\ \left(\frac{8}{1}\,3\right)^1,\ \left(8^1\,3\right)^1,\ (\text{root}[8,\ 1]\ 3)^1,\ (8\times 3)^1,$$

$$\left(\frac{8}{\frac{1}{3}}\right)^1,\ 8\ \text{root}[3,\ 1],\ \frac{8}{1}\ \text{root}[3,\ 1],\ 8^1\ \text{root}[3,\ 1],\ \text{root}[8,\ 1]\ \text{root}[3,\ 1],\ 8\ \text{root}[3,\ 1],$$

$$8\ \text{root}[1\times 3,\ 1],\ \text{root}[8\times 3,\ 1],\ \text{root}\left[\frac{8}{1}\,3,\ 1\right],\ \text{root}\left[8^1\,3,\ 1\right],\ \text{root}[\text{root}[8,\ 1]\ 3,\ 1],$$

$$\text{root}[8\times 3,\ 1],\ \text{root}\left[\frac{8}{\frac{1}{3}},\ 1\right],\ 8\ (1+(3-1)),\ 8\ ((1+3)-1),\ 8\times 3,\ 8\times 3,\ 8\times\frac{3}{1},\ \frac{8\times 3}{1}\ 1,\ 8\times 3^1,$$

$$(8\times 3)^1\ 1,\ 8\ \text{root}[3,\ 1],\ \text{root}[8\times 3,\ 1]\ 1,\ 8\times 3,\ 8\times 3,\ 8\times\frac{3}{1},\ 8\times 3^1,\ 8\ \text{root}[3,\ 1],\ 8\times 3,$$

$$8\ ((3-1)+1),\ (8\times 3-1)+1,\ (8\times 3)\ \frac{1}{1},\ 8\left(3\times\frac{1}{1}\right),\ 8\ \frac{3}{1\times 1},\ 8\ \frac{3}{\frac{1}{1}},\ 8\ \frac{3}{1^1},\ 8\ \frac{3}{\text{root}[1,\ 1]},\ 8\ \frac{3\times 1}{1},$$

$$\frac{8\times 3}{1},\ \frac{8\times 3}{1\times 1},\ \frac{8\times 3}{\frac{1}{1}},\ \frac{8\times 3}{1^1},\ \frac{8\times 3}{\text{root}[1,\ 1]},\ \frac{8\times 3}{1},\ 8\,\frac{\frac{3}{1}}{1},\ \frac{8\times\frac{3}{1}}{1},\ \frac{\frac{8\times 3}{1}}{1},\ 8\,\frac{3^1}{1},\ \frac{8\times 3^1}{1},\ \frac{(8\times 3)^1}{1},$$

$$8\ \frac{\text{root}[3,\ 1]}{1},\ \frac{8\ \text{root}[3,\ 1]}{1},\ \frac{\text{root}[8\times 3,\ 1]}{1},\ 8\ (3+\text{mod}[1,\ 1]),\ 8\times 3+\text{mod}[1,\ 1],\ (8\times 3)\ 1^1,$$

$$8\left(3\times 1^1\right),\ 8\times 3^{1\times 1},\ 8\times 3^{\frac{1}{1}},\ 8\times 3^{1^1},\ 8\times 3^{\text{root}[1,1]},\ 8\ (3\times 1)^1,\ (8\times 3)^1,\ (8\times 3)^{1\times 1},\ (8\times 3)^{\frac{1}{1}},$$

$$(8\times 3)^{1^1},\ (8\times 3)^{\text{root}[1,1]},\ (8\times 3)^1,\ 8\left(\frac{3}{1}\right)^1,\ \left(8\times\frac{3}{1}\right)^1,\ \left(\frac{8\times 3}{1}\right)^1,\ 8\left(3^1\right)^1,\ \left(8\times 3^1\right)^1,\ \left((8\times 3)^1\right)^1,$$

$$8\ \text{root}[3,\ 1]^1,\ (8\ \text{root}[3,\ 1])^1,\ \text{root}[8\times 3,\ 1]^1,\ (8\times 3)\ \text{root}[1,\ 1],\ 8\ (3\ \text{root}[1,\ 1]),$$

$$8\ \text{root}[3,\ 1\times 1],\ 8\ \text{root}\left[3,\ \frac{1}{1}\right],\ 8\ \text{root}\left[3,\ 1^1\right],\ 8\ \text{root}[3,\ \text{root}[1,\ 1]],\ 8\ \text{root}[3\times 1,\ 1],$$

$$\begin{aligned}
&\texttt{root}[8\times 3,\,1],\ \texttt{root}[8\times 3,\,1\times 1],\ \texttt{root}\left[8\times 3,\,\frac{1}{1}\right],\ \texttt{root}\left[8\times 3,\,1^1\right],\ \texttt{root}[8\times 3,\,\texttt{root}[1,\,1]],\\
&\texttt{root}[8\times 3,\,1],\ 8\,\texttt{root}\left[\frac{3}{1},\,1\right],\ \texttt{root}\left[8\times\frac{3}{1},\,1\right],\ \texttt{root}\left[\frac{8\times 3}{1},\,1\right],\ 8\,\texttt{root}\left[3^1,\,1\right],\\
&\texttt{root}\left[8\times 3^1,\,1\right],\ \texttt{root}\left[(8\times 3)^1,\,1\right],\ 8\,\texttt{root}[\texttt{root}[3,\,1],\,1],\ \texttt{root}[8\,\texttt{root}[3,\,1],\,1],\\
&\texttt{root}[\texttt{root}[8\times 3,\,1],\,1],\ 8\,(3+(1-1)),\ 8\times 3+(1-1),\ 8\,(3-\texttt{mod}[1,\,1]),\\
&8\,(3-(1-1)),\ 8\times 3-\texttt{mod}[1,\,1],\ 8\times 3-(1-1),\ 8\,((3+1)-1),\ (8\times 3+1)-1\Big\}\Big\},\\
&\Big\{\{1,\,1,\,3,\,9\},\ \Big\{(1+1)\,(3+9),\ (1+1)\,(9+3),\ 3\,(9-1),\ 3\,(9-1),\ (9-1)\,3,\ (1\times 9-1)\,3,\\
&(9-1)\,3,\ \frac{3}{\frac{1}{9-1}},\ 3\,(9-1),\ \frac{3}{1}\,(9-1),\ 3^1\,(9-1),\ \texttt{root}[3,\,1]\,(9-1),\ 3\,(9-1),\ 3\,(1\times 9-1),\\
&3\,(9-1),\ 3\,(9-1),\ (3+9)\,(1+1),\ 3\,\frac{9-1}{1},\ \frac{3\,(9-1)}{1},\ 3\,(9-1)^1,\ (3\,(9-1))^1,\\
&3\,\texttt{root}[9-1,\,1],\ \texttt{root}[3\,(9-1),\,1],\ 3\,(9-1\times 1),\ 3\left(9-\frac{1}{1}\right),\ 3\left(9-1^1\right),\ 3\,(9-\texttt{root}[1,\,1]),\\
&3\,(9\times 1-1),\ 3\left(\frac{9}{1}-1\right),\ 3\left(9^1-1\right),\ 3\,(\texttt{root}[9,\,1]-1),\ (9-1)\,3,\ \frac{9-1}{1}\,3,\ (9-1)^1\,3,\\
&\texttt{root}[9-1,\,1]\,3,\ (9-1\times 1)\,3,\ \left(9-\frac{1}{1}\right)3,\ \left(9-1^1\right)3,\ (9-\texttt{root}[1,\,1])\,3,\ (9\times 1-1)\,3,\\
&\left(\frac{9}{1}-1\right)3,\ \left(9^1-1\right)3,\ (\texttt{root}[9,\,1]-1)\,3,\ (9-1)\,3,\ \frac{9-1}{\frac{1}{3}},\ (9-1)\,3,\ (9-1)\,3,\ (9-1)\,\frac{3}{1},\\
&\frac{(9-1)\,3}{1},\ (9-1)\,3^1,\ ((9-1)\,3)^1,\ (9-1)\,\texttt{root}[3,\,1],\ \texttt{root}[(9-1)\,3,\,1],\ (9+3)\,(1+1)\Big\}\Big\},\\
&\{\{1,\,1,\,3,\,10\},\ \{3\,(10-(1+1)),\ 3\,((10-1)-1),\ (10-(1+1))\,3,\ ((10-1)-1)\,3\}\},\\
&\{\{1,\,1,\,4,\,4\},\ \{((1+1)+4)\,4,\ (1+(1+4))\,4,\ ((1+4)+1)\,4,\\
&\quad(1+(4+1))\,4,\ ((4+1)+1)\,4,\ (4+(1+1))\,4,\ 4\,((1+1)+4),\ 4\,(1+(1+4)),\\
&\quad4\,((1+4)+1),\ 4\,(1+(4+1)),\ 4\,((4+1)+1),\ 4\,(4+(1+1))\}\},\\
&\Big\{\{1,\,1,\,4,\,5\},\ \Big\{(1+5)\,4,\ (1\times 1+5)\,4,\ \left(\frac{1}{1}+5\right)4,\ \left(1^1+5\right)4,\ (\texttt{root}[1,\,1]+5)\,4,\ (1+1\times 5)\,4,\\
&\quad(1+5)\,4,\ 4\,(1+5),\ 4\,(1+5),\ 4\,(5+1),\ 4\,(5+1),\ (1+4)\,5-1,\ (1+5)\,4,\ (5+1)\,4,\ (1\times 5+1)\,4,\\
&\quad(1+5\times 1)\,4,\ \left(1+\frac{5}{1}\right)4,\ \frac{1+5}{1}\,4,\ \left(1+5^1\right)4,\ (1+5)^1\,4,\ (1+\texttt{root}[5,\,1])\,4,\ \texttt{root}[1+5,\,1]\,4,\\
&\quad(1+5)\,4,\ (5+1)\,4,\ \frac{1+5}{\frac{1}{4}},\ (1+5)\,4,\ (1+5)\,4,\ (1+5)\,\frac{4}{1},\ \frac{(1+5)\,4}{1},\ (1+5)\,4^1,\ ((1+5)\,4)^1,\\
&\quad(1+5)\,\texttt{root}[4,\,1],\ \texttt{root}[(1+5)\,4,\,1],\ 4\,(1+5),\ \frac{4}{1}\,(1+5),\ 4^1\,(1+5),\ \texttt{root}[4,\,1]\,(1+5),\\
&\quad4\,(1+5),\ 4\,(1\times 1+5),\ 4\left(\frac{1}{1}+5\right),\ 4\left(1^1+5\right),\ 4\,(\texttt{root}[1,\,1]+5),\ 4\,(1+1\times 5),\ \frac{4}{\frac{1}{1+5}},\ 4\,(1+5),\\
&\quad4\,(1+5),\ 4\,(5+1),\ \frac{4}{1}\,(5+1),\ 4^1\,(5+1),\ \texttt{root}[4,\,1]\,(5+1),\ 4\,(5+1),\ 4\,(1\times 5+1),\ 4\,(1+5\times 1),\\
&\quad\frac{4}{\frac{1}{5+1}},\ 4\left(1+\frac{5}{1}\right),\ 4\,\frac{1+5}{1},\ \frac{4\,(1+5)}{1},\ 4\left(1+5^1\right),\ 4\,(1+5)^1,\ (4\,(1+5))^1,\ 4\,(1+\texttt{root}[5,\,1]),\\
&\quad4\,\texttt{root}[1+5,\,1],\ \texttt{root}[4\,(1+5),\,1],\ (4+1)\,5-1,\ 4\,(5+1),\ 4\,(5+1),\ 4\,(5\times 1+1),\ 4\left(\frac{5}{1}+1\right),
\end{aligned}$$

$$4\left(5^1+1\right),\ 4\ (\text{root}[5,\ 1]+1),\ 4\ (5+1\times 1),\ 4\left(5+\frac{1}{1}\right),\ 4\ \frac{5+1}{1},\ \frac{4\ (5+1)}{1},\ 4\left(5+1^1\right),\ 4\ (5+1)^1,$$

$$(4\ (5+1))^1,\ 4\ (5+\text{root}[1,\ 1]),\ 4\ \text{root}[5+1,\ 1],\ \text{root}[4\ (5+1),\ 1],\ (5+1)\ 4,\ (5\times 1+1)\ 4,$$

$$\left(\frac{5}{1}+1\right)\ 4,\ \left(5^1+1\right)\ 4,\ (\text{root}[5,\ 1]+1)\ 4,\ (5+1\times 1)\ 4,\ \left(5+\frac{1}{1}\right)\ 4,\ \frac{5+1}{1}\ 4,\ \left(5+1^1\right)\ 4,\ (5+1)^1\ 4,$$

$$(5+\text{root}[1,\ 1])\ 4,\ \text{root}[5+1,\ 1]\ 4,\ (5+1)\ 4,\ \frac{5+1}{\frac{1}{4}},\ (5+1)\ 4,\ (5+1)\ 4,\ (5+1)\ \frac{4}{1},\ \frac{(5+1)\ 4}{1},$$

$$(5+1)\ 4^1,\ ((5+1)\ 4)^1,\ (5+1)\ \text{root}[4,\ 1],\ \text{root}[(5+1)\ 4,\ 1],\ 5\ (1+4)-1,\ 5\ (4+1)-1\Big\}\Big\},$$

$$\Big\{\{1,\ 1,\ 4,\ 6\},\ \Big\{4\times 6,\ \left(\frac{1}{1}\ 4\right)\ 6,\ \left(1^1\ 4\right)\ 6,\ (\text{root}[1,\ 1]\ 4)\ 6,\ 4\times 6,\ (\text{mod}[1,\ 1]+4)\ 6,$$

$$((1-1)+4)\ 6,\ \frac{1}{\frac{1}{4}}\ 6,\ (1-(1-4))\ 6,\ 4\times 6,\ \frac{1}{1}\ (4\times 6),\ 1^1\ (4\times 6),\ \text{root}[1,\ 1]\ (4\times 6),\ 4\times 6,$$

$$4\times 6,\ \text{mod}[1,\ 1]+4\times 6,\ (1-1)+4\times 6,\ \frac{1}{\frac{1}{4\times 6}},\ \frac{1}{\frac{\frac{1}{4}}{6}},\ 1-(1-4\times 6),\ 6\times 4,\ \left(\frac{1}{1}\ 6\right)\ 4,\ \left(1^1\ 6\right)\ 4,$$

$$(\text{root}[1,\ 1]\ 6)\ 4,\ 6\times 4,\ (\text{mod}[1,\ 1]+6)\ 4,\ ((1-1)+6)\ 4,\ \frac{1}{\frac{1}{6}}\ 4,\ (1-(1-6))\ 4,\ 6\times 4,$$

$$\frac{1}{1}\ (6\times 4),\ 1^1\ (6\times 4),\ \text{root}[1,\ 1]\ (6\times 4),\ 6\times 4,\ 6\times 4,\ \text{mod}[1,\ 1]+6\times 4,\ (1-1)+6\times 4,$$

$$\frac{1}{\frac{1}{6\times 4}},\ \frac{1}{\frac{\frac{1}{6}}{4}},\ 1-(1-6\times 4),\ 4\times 6,\ 4\times 6,\ \frac{4}{1}\ 6,\ \frac{1\times 4}{1}\ 6,\ 4^1\ 6,\ (1\times 4)^1\ 6,\ \text{root}[4,\ 1]\ 6,$$

$$\text{root}[1\times 4,\ 1]\ 6,\ (1+(4-1))\ 6,\ ((1+4)-1)\ 6,\ 4\times 6,\ 4\times 6,\ \frac{4}{1}\ 6,\ 4^1\ 6,\ \text{root}[4,\ 1]\ 6,$$

$$4\times 6,\ 1\ \frac{4}{\frac{1}{6}},\ \frac{1\times 4}{\frac{1}{6}},\ 4\times 6,\ 4\times 6,\ 4\times 6,\ 4\times 6,\ 4\times 6,\ 4\times \frac{6}{1},\ 4\times \frac{6}{1},\ 1\ \frac{4\times 6}{1},\ \frac{4\times 6}{1},\ \frac{4\times 6}{1},$$

$$4\times 6^1,\ 4\times 6^1,\ 1\ (4\times 6)^1,\ (4\times 6)^1,\ (4\times 6)^1,\ 4\ \text{root}[6,\ 1],\ 4\ \text{root}[6,\ 1],\ 1\ \text{root}[4\times 6,\ 1],$$

$$\text{root}[4\times 6,\ 1],\ \text{root}[4\times 6,\ 1],\ 1+(4\times 6-1),\ (1+4\times 6)-1,\ 6\times 4,\ 6\times 4,\ \frac{6}{1}\ 4,\ \frac{1\times 6}{1}\ 4,\ 6^1\ 4,$$

$$(1\times 6)^1\ 4,\ \text{root}[6,\ 1]\ 4,\ \text{root}[1\times 6,\ 1]\ 4,\ (1+(6-1))\ 4,\ ((1+6)-1)\ 4,\ 6\times 4,\ 6\times 4,\ \frac{6}{1}\ 4,$$

$$6^1\ 4,\ \text{root}[6,\ 1]\ 4,\ 6\times 4,\ 1\ \frac{6}{\frac{1}{4}},\ \frac{1\times 6}{\frac{1}{4}},\ 6\times 4,\ 6\times 4,\ 6\times 4,\ 6\times 4,\ 6\times 4,\ 6\times \frac{4}{1},\ 6\times \frac{4}{1},\ 1\ \frac{6\times 4}{1},$$

$$\frac{6\times 4}{1},\ \frac{6\times 4}{1},\ 6\times 4^1,\ 6\times 4^1,\ 1\ (6\times 4)^1,\ (6\times 4)^1,\ (6\times 4)^1,\ 6\ \text{root}[4,\ 1],\ 6\ \text{root}[4,\ 1],$$

$$1\ \text{root}[6\times 4,\ 1],\ \text{root}[6\times 4,\ 1],\ \text{root}[6\times 4,\ 1],\ 1+(6\times 4-1),\ (1+6\times 4)-1,\ 4\times 6,\ \frac{4}{1}\ 6,$$

$$4^1\ 6,\ \text{root}[4,\ 1]\ 6,\ 4\times 6,\ ((4-1)+1)\ 6,\ \left(4\times \frac{1}{1}\right)\ 6,\ \frac{4}{1\times 1}\ 6,\ \frac{4}{\frac{1}{1}}\ 6,\ \frac{4}{1^1}\ 6,\ \frac{4}{\text{root}[1,\ 1]}\ 6,$$

$$\frac{4\times 1}{1}\ 6,\ \frac{\frac{4}{1}}{1}\ 6,\ \frac{4^1}{1}\ 6,\ \frac{\text{root}[4,\ 1]}{1}\ 6,\ (4+\text{mod}[1,\ 1])\ 6,\ \left(4\times 1^1\right)\ 6,\ 4^{1\times 1}\ 6,\ 4^{\frac{1}{1}}\ 6,\ 4^{1^1}\ 6,$$

$4^{\text{root}[1,1]}\ 6,\ (4\times 1)^1\ 6,\ \left(\frac{4}{1}\right)^1\ 6,\ \left(4^1\right)^1\ 6,\ \text{root}[4,\ 1]^1\ 6,\ (4\ \text{root}[1,\ 1])\ 6,\ \text{root}[4,\ 1\times 1]\ 6,$

$\text{root}\left[4,\ \frac{1}{1}\right]\ 6,\ \text{root}\left[4,\ 1^1\right]\ 6,\ \text{root}[4,\ \text{root}[1,\ 1]]\ 6,\ \text{root}[4\times 1,\ 1]\ 6,\ \text{root}\left[\frac{4}{1},\ 1\right]\ 6,$

$\text{root}\left[4^1,\ 1\right]\ 6,\ \text{root}[\text{root}[4,\ 1],\ 1]\ 6,\ (4+(1-1))\ 6,\ (4-\text{mod}[1,\ 1])\ 6,\ (4-(1-1))\ 6,$

$((4+1)-1)\ 6,\ 4\times 6,\ \frac{4}{1}\ 6,\ 4^1\ 6,\ \text{root}[4,\ 1]\ 6,\ 4\times 6,\ 4\left(\frac{1}{1}\ 6\right),\ 4\left(1^1\ 6\right),\ 4\ (\text{root}[1,\ 1]\ 6),$

$4\times 6,\ 4\ (\text{mod}[1,\ 1]+6),\ 4\ ((1-1)+6),\ 4\ \frac{1}{\frac{1}{6}},\ \frac{4}{1\times\frac{1}{6}},\ \frac{4}{\frac{1}{1\times 6}},\ \frac{4}{\frac{1\times 1}{6}},\ \frac{4}{\frac{1}{\frac{1}{6}}},\ \frac{4}{\frac{1}{1^1}},\ \frac{4}{\frac{\text{root}[1,1]}{6}},\ \frac{4\times 1}{\frac{1}{6}},$

$\frac{\frac{4}{1}}{\frac{1}{6}},\ \frac{4^1}{\frac{1}{6}},\ \frac{\text{root}[4,\ 1]}{\frac{1}{6}},\ 4\ (1-(1-6)),\ 4\times 6,\ \frac{4}{1}\ 6,\ 4^1\ 6,\ \text{root}[4,\ 1]\ 6,\ 4\times 6,\ \frac{4}{\frac{1}{6}}\ 1,\ 4\times 6,\ \frac{4}{1}\ 6,$

$4^1\ 6,\ \text{root}[4,\ 1]\ 6,\ 4\times 6,\ 4\times 6,\ \frac{4}{\frac{1}{6}\ 1},\ \frac{4}{\frac{1}{6\times 1}},\ \frac{4}{\frac{1}{\frac{6}{1}}},\ \frac{4}{\frac{1}{6^1}},\ \frac{4}{\frac{1}{\text{root}[6,1]}},\ \frac{4}{\frac{1}{\frac{6}{1}}},\ \frac{4}{\left(\frac{1}{6}\right)^1},\ 4\times\frac{6}{1},\ \frac{4}{1}\ \frac{6}{1},\ 4^1\ \frac{6}{1},$

$\text{root}[4,\ 1]\ \frac{6}{1},\ 4\times\frac{6}{1},\ 4\ \frac{1\times 6}{1},\ \frac{4\times 6}{1},\ \frac{\frac{4}{1}\ 6}{1},\ \frac{4^1\ 6}{1},\ \frac{\text{root}[4,\ 1]\ 6}{1},\ \frac{4\times 6}{1},\ \frac{\frac{4}{1}}{\frac{1}{6}},\ 4\times 6^1,\ \frac{4}{1}\ 6^1,$

$4^1\ 6^1,\ \text{root}[4,\ 1]\ 6^1,\ 4\times 6^1,\ 4\ (1\times 6)^1,\ (4\times 6)^1,\ \left(\frac{4}{1}\ 6\right)^1,\ \left(4^1\ 6\right)^1,\ (\text{root}[4,\ 1]\ 6)^1,\ (4\times 6)^1,$

$\left(\frac{4}{\frac{1}{\frac{1}{6}}}\right)^1,\ 4\ \text{root}[6,\ 1],\ \frac{4}{1}\ \text{root}[6,\ 1],\ 4^1\ \text{root}[6,\ 1],\ \text{root}[4,\ 1]\ \text{root}[6,\ 1],\ 4\ \text{root}[6,\ 1],$

$4\ \text{root}[1\times 6,\ 1],\ \text{root}[4\times 6,\ 1],\ \text{root}\left[\frac{4}{1}\ 6,\ 1\right],\ \text{root}\left[4^1\ 6,\ 1\right],\ \text{root}[\text{root}[4,\ 1]\ 6,\ 1],$

$\text{root}[4\times 6,\ 1],\ \text{root}\left[\frac{4}{\frac{1}{6}},\ 1\right],\ 4\ (1+(6-1)),\ 4\ ((1+6)-1),\ 4\times 6,\ 4\times 6,\ 4\times\frac{6}{1},\ \frac{4\times 6}{1}\ 1,\ 4\times 6^1,$

$(4\times 6)^1\ 1,\ 4\ \text{root}[6,\ 1],\ \text{root}[4\times 6,\ 1]\ 1,\ 4\times 6,\ 4\times 6,\ 4\times\frac{6}{1},\ 4\times 6^1,\ 4\ \text{root}[6,\ 1],\ 4\times 6,$

$4\ ((6-1)+1),\ (4\times 6-1)+1,\ (4\times 6)\ \frac{1}{1},\ 4\left(6\times\frac{1}{1}\right),\ 4\ \frac{6}{1\times 1},\ 4\ \frac{6}{\frac{1}{1}},\ 4\ \frac{6}{1^1},\ 4\ \frac{6}{\text{root}[1,\ 1]},\ 4\ \frac{6\times 1}{1},$

$\frac{4\times 6}{1},\ \frac{4\times 6}{1\times 1},\ \frac{4\times 6}{\frac{1}{1}},\ \frac{4\times 6}{1^1},\ \frac{4\times 6}{\text{root}[1,\ 1]},\ \frac{4\times 6}{1},\ 4\ \frac{\frac{6}{1}}{1},\ \frac{4\times\frac{6}{1}}{1},\ \frac{\frac{4\times 6}{1}}{1},\ 4\ \frac{6^1}{1},\ \frac{4\times 6^1}{1},\ \frac{(4\times 6)^1}{1},$

$4\ \frac{\text{root}[6,\ 1]}{1},\ \frac{4\ \text{root}[6,\ 1]}{1},\ \frac{\text{root}[4\times 6,\ 1]}{1},\ 4\ (6+\text{mod}[1,\ 1]),\ 4\times 6+\text{mod}[1,\ 1],\ (4\times 6)\ 1^1,$

$4\left(6\times 1^1\right),\ 4\times 6^{1\times 1},\ 4\times 6^{\frac{1}{1}},\ 4\times 6^{1^1},\ 4\times 6^{\text{root}[1,1]},\ 4\ (6\times 1)^1,\ (4\times 6)^1,\ (4\times 6)^{1\times 1},\ (4\times 6)^{\frac{1}{1}},$

$(4\times 6)^{1^1},\ (4\times 6)^{\text{root}[1,1]},\ (4\times 6)^1,\ 4\left(\frac{6}{1}\right)^1,\ \left(4\times\frac{6}{1}\right)^1,\ \left(\frac{4\times 6}{1}\right)^1,\ 4\left(6^1\right)^1,\ \left(4\times 6^1\right)^1,\ \left((4\times 6)^1\right)^1,$

$4\ \text{root}[6,\ 1]^1,\ (4\ \text{root}[6,\ 1])^1,\ \text{root}[4\times 6,\ 1]^1,\ (4\times 6)\ \text{root}[1,\ 1],\ 4\ (6\ \text{root}[1,\ 1]),$

$4\ \text{root}[6,\ 1\times 1],\ 4\ \text{root}\left[6,\ \frac{1}{1}\right],\ 4\ \text{root}\left[6,\ 1^1\right],\ 4\ \text{root}[6,\ \text{root}[1,\ 1]],\ 4\ \text{root}[6\times 1,\ 1],$

$$\text{root}[4\times 6,\,1],\ \text{root}[4\times 6,\,1\times 1],\ \text{root}\left[4\times 6,\,\frac{1}{1}\right],\ \text{root}\left[4\times 6,\,1^1\right],\ \text{root}[4\times 6,\,\text{root}[1,\,1]],$$

$$\text{root}[4\times 6,\,1],\ 4\,\text{root}\left[\frac{6}{1},\,1\right],\ \text{root}\left[4\times\frac{6}{1},\,1\right],\ \text{root}\left[\frac{4\times 6}{1},\,1\right],\ 4\,\text{root}\left[6^1,\,1\right],\ \text{root}\left[4\times 6^1,\,1\right],$$

$$\text{root}\left[(4\times 6)^1,\,1\right],\ 4\,\text{root}[\text{root}[6,\,1],\,1],\ \text{root}[4\,\text{root}[6,\,1],\,1],\ \text{root}[\text{root}[4\times 6,\,1],\,1],$$

$$4\,(6+(1-1)),\ 4\times 6+(1-1),\ 4\,(6-\text{mod}[1,\,1]),\ 4\,(6-(1-1)),\ 4\times 6-\text{mod}[1,\,1],\ 4\times 6-(1-1),$$

$$4\,((6+1)-1),\ (4\times 6+1)-1,\ 6\times 4,\ \frac{6}{1}\,4,\ 6^1\,4,\ \text{root}[6,\,1]\,4,\ 6\times 4,\ ((6-1)+1)\,4,\ \left(6\times\frac{1}{1}\right)4,$$

$$\frac{6}{1\times 1}\,4,\ \frac{6}{\frac{1}{1}}\,4,\ \frac{6}{1^1}\,4,\ \frac{6}{\text{root}[1,\,1]}\,4,\ \frac{6\times 1}{1}\,4,\ \frac{\frac{6}{1}}{1}\,4,\ \frac{6^1}{1}\,4,\ \frac{\text{root}[6,\,1]}{1}\,4,\ (6+\text{mod}[1,\,1])\,4,$$

$$\left(6\times 1^1\right)4,\ 6^{1\times 1}\,4,\ 6^{\frac{1}{1}}\,4,\ 6^{1^1}\,4,\ 6^{\text{root}[1,1]}\,4,\ (6\times 1)^1\,4,\ \left(\frac{6}{1}\right)^1 4,\ \left(6^1\right)^1 4,\ \text{root}[6,\,1]^1\,4,$$

$$(6\,\text{root}[1,\,1])\,4,\ \text{root}[6,\,1\times 1]\,4,\ \text{root}\left[6,\,\frac{1}{1}\right]4,\ \text{root}\left[6,\,1^1\right]4,\ \text{root}[6,\,\text{root}[1,\,1]]\,4,$$

$$\text{root}[6\times 1,\,1]\,4,\ \text{root}\left[\frac{6}{1},\,1\right]4,\ \text{root}\left[6^1,\,1\right]4,\ \text{root}[\text{root}[6,\,1],\,1]\,4,\ (6+(1-1))\,4,$$

$$(6-\text{mod}[1,\,1])\,4,\ (6-(1-1))\,4,\ ((6+1)-1)\,4,\ 6\times 4,\ \frac{6}{1}\,4,\ 6^1\,4,\ \text{root}[6,\,1]\,4,\ 6\times 4,$$

$$6\left(\frac{1}{1}\,4\right),\ 6\left(1^1\,4\right),\ 6\,(\text{root}[1,\,1]\,4),\ 6\times 4,\ 6\,(\text{mod}[1,\,1]+4),\ 6\,((1-1)+4),\ 6\,\frac{1}{\frac{1}{4}},\ \frac{6}{1\times\frac{1}{4}},$$

$$\frac{6}{\frac{1}{1\times 4}},\ \frac{6}{\frac{1\times 1}{4}},\ \frac{6}{\frac{1}{\frac{1}{4}}},\ \frac{6}{\frac{1^1}{4}},\ \frac{6}{\frac{\text{root}[1,1]}{4}},\ \frac{6\times 1}{\frac{1}{4}},\ \frac{\frac{6}{1}}{\frac{1}{4}},\ \frac{6^1}{\frac{1}{4}},\ \frac{\text{root}[6,\,1]}{\frac{1}{4}},\ 6\,(1-(1-4)),\ 6\times 4,\ \frac{6}{1}\,4,$$

$$6^1\,4,\ \text{root}[6,\,1]\,4,\ 6\times 4,\ \frac{6}{\frac{1}{4}}\,1,\ 6\times 4,\ \frac{6}{1}\,4,\ 6^1\,4,\ \text{root}[6,\,1]\,4,\ 6\times 4,\ 6\times 4,\ 6\times\frac{4}{1},\ \frac{6}{1}\,\frac{4}{1},$$

$$6^1\,\frac{4}{1},\ \text{root}[6,\,1]\,\frac{4}{1},\ 6\times\frac{4}{1},\ \frac{6}{\frac{1}{4}\,1},\ \frac{6}{\frac{1}{4\times 1}},\ \frac{6}{\frac{1}{\frac{4}{1}}},\ \frac{6}{\frac{1}{4^1}},\ \frac{6}{\frac{1}{\text{root}[4,1]}},\ \frac{6}{\frac{1}{\frac{4}{1}}},\ \frac{6}{\left(\frac{1}{4}\right)^1},\ 6\,\frac{1\times 4}{1},\ \frac{6\times 4}{1},$$

$$\frac{\frac{6}{1}\,4}{1},\ \frac{6^1\,4}{1},\ \frac{\text{root}[6,\,1]\,4}{1},\ \frac{6\times 4}{1},\ \frac{\frac{6}{\frac{1}{4}}}{1},\ 6\times 4^1,\ \frac{6}{1}\,4^1,\ 6^1\,4^1,\ \text{root}[6,\,1]\,4^1,\ 6\times 4^1,\ 6\,(1\times 4)^1,$$

$$(6\times 4)^1,\ \left(\frac{6}{1}\,4\right)^1,\ \left(6^1\,4\right)^1,\ (\text{root}[6,\,1]\,4)^1,\ (6\times 4)^1,\ \left(\frac{6}{\frac{1}{4}}\right)^1,\ 6\,\text{root}[4,\,1],\ \frac{6}{1}\,\text{root}[4,\,1],$$

$$6^1\,\text{root}[4,\,1],\ \text{root}[6,\,1]\,\text{root}[4,\,1],\ 6\,\text{root}[4,\,1],\ 6\,\text{root}[1\times 4,\,1],\ \text{root}[6\times 4,\,1],$$

$$\text{root}\left[\frac{6}{1}\,4,\,1\right],\ \text{root}\left[6^1\,4,\,1\right],\ \text{root}[\text{root}[6,\,1]\,4,\,1],\ \text{root}[6\times 4,\,1],\ \text{root}\left[\frac{6}{\frac{1}{4}},\,1\right],$$

$$6\,(1+(4-1)),\ 6\,((1+4)-1),\ 6\times 4,\ 6\times 4,\ 6\times\frac{4}{1},\ \frac{6\times 4}{1}\,1,\ 6\times 4^1,\ (6\times 4)^1\,1,\ 6\,\text{root}[4,\,1],$$

$$\text{root}[6\times 4,\,1]\,1,\ 6\times 4,\ 6\times 4,\ 6\times\frac{4}{1},\ 6\times 4^1,\ 6\,\text{root}[4,\,1],\ 6\times 4,\ 6\,((4-1)+1),\ (6\times 4-1)+1,$$

$$(6\times 4)\,\frac{1}{1},\ 6\left(4\times\frac{1}{1}\right),\ 6\,\frac{4}{1\times 1},\ 6\,\frac{4}{\frac{1}{1}},\ 6\,\frac{4}{1^1},\ 6\,\frac{4}{\text{root}[1,\,1]},\ 6\,\frac{4\times 1}{1},\ \frac{6\times 4}{1},\ \frac{6\times 4}{1\times 1},\ \frac{6\times 4}{\frac{1}{1}},$$

$$\frac{6\times 4}{1^1},\ \frac{6\times 4}{\text{root}[1,\,1]},\ \frac{6\times 4}{1},\ 6\,\frac{4}{1},\ \frac{6\times\frac{4}{1}}{1},\ \frac{\frac{6\times 4}{1}}{1},\ 6\,\frac{4^1}{1},\ \frac{6\times 4^1}{1},\ \frac{(6\times 4)^1}{1},\ 6\,\frac{\text{root}[4,\,1]}{1},$$

$$\frac{6\,\text{root}[4,\,1]}{1},\ \frac{\text{root}[6\times 4,\,1]}{1},\ 6\,(4+\text{mod}[1,\,1]),\ 6\times 4+\text{mod}[1,\,1],\ (6\times 4)\,1^1,\ 6\left(4\times 1^1\right),$$

$$6\times 4^{1\times 1},\ 6\times 4^{\frac{1}{1}},\ 6\times 4^{1^1},\ 6\times 4^{\text{root}[1,1]},\ 6\,(4\times 1)^1,\ (6\times 4)^1,\ (6\times 4)^{1\times 1},\ (6\times 4)^{\frac{1}{1}},\ (6\times 4)^{1^1},$$

$$(6\times 4)^{\text{root}[1,1]},\ (6\times 4)^1,\ 6\left(\frac{4}{1}\right)^1,\ \left(6\times\frac{4}{1}\right)^1,\ \left(\frac{6\times 4}{1}\right)^1,\ 6\left(4^1\right)^1,\ \left(6\times 4^1\right)^1,\ \left((6\times 4)^1\right)^1,$$

$$6\,\text{root}[4,\,1]^1,\ (6\,\text{root}[4,\,1])^1,\ \text{root}[6\times 4,\,1]^1,\ (6\times 4)\,\text{root}[1,\,1],\ 6\,(4\,\text{root}[1,\,1]),$$

$$6\,\text{root}[4,\,1\times 1],\ 6\,\text{root}\left[4,\,\frac{1}{1}\right],\ 6\,\text{root}\left[4,\,1^1\right],\ 6\,\text{root}[4,\,\text{root}[1,\,1]],\ 6\,\text{root}[4\times 1,\,1],$$

$$\text{root}[6\times 4,\,1],\ \text{root}[6\times 4,\,1\times 1],\ \text{root}\left[6\times 4,\,\frac{1}{1}\right],\ \text{root}\left[6\times 4,\,1^1\right],\ \text{root}[6\times 4,\,\text{root}[1,\,1]],$$

$$\text{root}[6\times 4,\,1],\ 6\,\text{root}\left[\frac{4}{1},\,1\right],\ \text{root}\left[6\times\frac{4}{1},\,1\right],\ \text{root}\left[\frac{6\times 4}{1},\,1\right],\ 6\,\text{root}\left[4^1,\,1\right],$$

$$\text{root}\left[6\times 4^1,\,1\right],\ \text{root}\left[(6\times 4)^1,\,1\right],\ 6\,\text{root}[\text{root}[4,\,1],\,1],\ \text{root}[6\,\text{root}[4,\,1],\,1],$$

$$\text{root}[\text{root}[6\times 4,\,1],\,1],\ 6\,(4+(1-1)),\ 6\times 4+(1-1),\ 6\,(4-\text{mod}[1,\,1]),$$

$$6\,(4-(1-1)),\ 6\times 4-\text{mod}[1,\,1],\ 6\times 4-(1-1),\ 6\,((4+1)-1),\ (6\times 4+1)-1\Big\}\Big\},$$

$$\Big\{\{1,\,1,\,4,\,7\},\ \Big\{4\,(7-1),\ 4\,(7-1),\ (7-1)\,4,\ (1\times 7-1)\,4,\ (7-1)\,4,\ (1+7)\,(4-1),$$

$$(4-1)\,(1+7),\ (4-1)\,(7+1),\ \frac{4}{\frac{1}{7-1}},\ 4\,(7-1),\ \frac{4}{1}\,(7-1),\ 4^1\,(7-1),\ \text{root}[4,\,1]\,(7-1),$$

$$4\,(7-1),\ 4\,(1\times 7-1),\ 4\,(7-1),\ 4\,(7-1),\ 4\,\frac{7-1}{1},\ \frac{4\,(7-1)}{1},\ 4\,(7-1)^1,\ (4\,(7-1))^1,$$

$$4\,\text{root}[7-1,\,1],\ \text{root}[4\,(7-1),\,1],\ 4\,(7-1\times 1),\ 4\left(7-\frac{1}{1}\right),\ 4\left(7-1^1\right),\ 4\,(7-\text{root}[1,\,1]),$$

$$4\,(7\times 1-1),\ 4\left(\frac{7}{1}-1\right),\ 4\left(7^1-1\right),\ 4\,(\text{root}[7,\,1]-1),\ (7-1)\,4,\ \frac{7-1}{1}\,4,\ (7-1)^1\,4,$$

$$\text{root}[7-1,\,1]\,4,\ (7-1\times 1)\,4,\ \left(7-\frac{1}{1}\right)4,\ \left(7-1^1\right)4,\ (7-\text{root}[1,\,1])\,4,\ (7\times 1-1)\,4,$$

$$\left(\frac{7}{1}-1\right)4,\ \left(7^1-1\right)4,\ (\text{root}[7,\,1]-1)\,4,\ (7-1)\,4,\ \frac{7-1}{\frac{1}{4}},\ (7-1)\,4,\ (7-1)\,4,\ (7-1)\,\frac{4}{1},$$

$$\frac{(7-1)\,4}{1},\ (7-1)\,4^1,\ ((7-1)\,4)^1,\ (7-1)\,\text{root}[4,\,1],\ \text{root}[(7-1)\,4,\,1],\ (7+1)\,(4-1)\Big\}\Big\},$$

$$\Big\{\{1,\,1,\,4,\,8\},\ \Big\{(1+1)\,(4+8),\ (1+1)^4+8,\ (1+1)\,(8+4),\ (4-1)\,8,\ (1\times 4-1)\,8,\ (4-1)\,8,$$

$$8\,(4-1),\ 8\,(4-1),\ (4-1)\,8,\ \frac{4-1}{1}\,8,\ (4-1)^1\,8,\ \text{root}[4-1,\,1]\,8,\ (4-1\times 1)\,8,\ \left(4-\frac{1}{1}\right)8,$$

$$\left(4-1^1\right)8,\ (4-\text{root}[1,\,1])\,8,\ (4\times 1-1)\,8,\ \left(\frac{4}{1}-1\right)8,\ \left(4^1-1\right)8,\ (\text{root}[4,\,1]-1)\,8,$$

$$(4-1)\,8,\ 4^{1+1}+8,\ \frac{4-1}{\frac{1}{8}},\ (4-1)\,8,\ (4-1)\,8,\ (4-1)\,\frac{8}{1},\ \frac{(4-1)\,8}{1},\ (4-1)\,8^1,\ ((4-1)\,8)^1,$$

$$(4-1)\,\text{root}[8,\,1],\ \text{root}[(4-1)\,8,\,1],\ (4+8)\,(1+1),\ 4\,(8-(1+1)),\ 4\,((8-1)-1),$$

$$(8-(1+1))\,4,\ ((8-1)-1)\,4,\ 8+(1+1)^4,\ \frac{8}{\frac{1}{4-1}},\ 8\,(4-1),\ \frac{8}{1}\,(4-1),\ 8^1\,(4-1),$$

$$\text{root}[8,\,1]\,(4-1),\ 8\,(4-1),\ 8\,(1\times 4-1),\ 8\,(4-1),\ 8\,(4-1),\ (8+4)\,(1+1),\ 8\,\frac{4-1}{1},\ \frac{8\,(4-1)}{1},$$

$$8+4^{1+1},\ 8\,(4-1)^1,\ (8\,(4-1))^1,\ 8\,\text{root}[4-1,\,1],\ \text{root}[8\,(4-1),\,1],\ 8\,(4-1\times 1),\ 8\left(4-\frac{1}{1}\right),$$

$$8\left(4-1^1\right),\ 8\,(4-\text{root}[1,\,1]),\ 8\,(4\times 1-1),\ 8\left(\frac{4}{1}-1\right),\ 8\left(4^1-1\right),\ 8\,(\text{root}[4,\,1]-1)\Big\}\Big\},$$

$$\{\{1,\,1,\,4,\,9\},\ \{(1-4)\,(1-9),\ (1-9)\,(1-4),\ (4-1)\,(9-1),\ (9-1)\,(4-1)\}\},$$

$$\{\{1,\,1,\,4,\,10\},\ \{(1+1)\,10+4,\ 4+(1+1)\,10,\ 4+10\,(1+1),\ 10\,(1+1)+4\}\},$$

$$\Big\{\{1,\,1,\,5,\,5\},\ \Big\{(1+5)\,(5-1),\ 1\,(5\times 5-1),\ 5\times 5-1,\ 5\times 5-1,\ (5-1)\,(1+5),$$

$$(5-1)\,(5+1),\ (5+1)\,(5-1),\ 5\times 5-1,\ \frac{5}{1}\,5-1,\ 5^1\,5-1,\ \text{root}[5,\,1]\,5-1,$$

$$5\times 5-1,\ \frac{5}{\frac{1}{5}}-1,\ (5\times 5-1)\,1,\ \frac{5\times 5-1}{1},\ (5\times 5-1)^1,\ \text{root}[5\times 5-1,\,1],$$

$$5\times 5-1,\ 5\times 5-1\times 1,\ 5\times 5-\frac{1}{1},\ 5\times 5-1^1,\ 5\times 5-\text{root}[1,\,1],\ 5\times 5-1,\ 5\times\frac{5}{1}-1,$$

$$\frac{5\times 5}{1}-1,\ 5\times 5^1-1,\ (5\times 5)^1-1,\ 5\,\text{root}[5,\,1]-1,\ \text{root}[5\times 5,\,1]-1\Big\}\Big\},$$

$$\Big\{\{1,\,1,\,5,\,6\},\ \Big\{(5-1)\,6,\ (1\times 5-1)\,6,\ (5-1)\,6,\ 6\,(5-1),\ 6\,(5-1),\ (5-1)\,6,\ \frac{5-1}{1}\,6,\ (5-1)^1\,6,$$

$$\text{root}[5-1,\,1]\,6,\ (5-1\times 1)\,6,\ \left(5-\frac{1}{1}\right)6,\ \left(5-1^1\right)6,\ (5-\text{root}[1,\,1])\,6,\ (5\times 1-1)\,6,\ \left(\frac{5}{1}-1\right)6,$$

$$\left(5^1-1\right)6,\ (\text{root}[5,\,1]-1)\,6,\ (5-1)\,6,\ \frac{5-1}{\frac{1}{6}},\ (5-1)\,6,\ (5-1)\,6,\ (5-1)\,\frac{6}{1},\ \frac{(5-1)\,6}{1},$$

$$(5-1)\,6^1,\ ((5-1)\,6)^1,\ (5-1)\,\text{root}[6,\,1],\ \text{root}[(5-1)\,6,\,1],\ 5\,(6-1)-1,\ \frac{6}{\frac{1}{5-1}},\ 6\,(5-1),$$

$$\frac{6}{1}\,(5-1),\ 6^1\,(5-1),\ \text{root}[6,\,1]\,(5-1),\ 6\,(5-1),\ 6\,(1\times 5-1),\ (6-1)\,5-1,\ 6\,(5-1),\ 6\,(5-1),$$

$$6\,\frac{5-1}{1},\ \frac{6\,(5-1)}{1},\ 6\,(5-1)^1,\ (6\,(5-1))^1,\ 6\,\text{root}[5-1,\,1],\ \text{root}[6\,(5-1),\,1],\ 6\,(5-1\times 1),$$

$$6\left(5-\frac{1}{1}\right),\ 6\left(5-1^1\right),\ 6\,(5-\text{root}[1,\,1]),\ 6\,(5\times 1-1),\ 6\left(\frac{5}{1}-1\right),\ 6\left(5^1-1\right),\ 6\,(\text{root}[5,\,1]-1)\Big\}\Big\},$$

$$\{\{1,\,1,\,5,\,7\},\ \{(1+1)\,(5+7),\ (1+1)\,(7+5),\ (1-5)\,(1-7),\ (1-7)\,(1-5),$$
$$(5-1)\,(7-1),\ (5+7)\,(1+1),\ (7-1)\,(5-1),\ (7+5)\,(1+1)\}\},$$

$$\Big\{\{1,\,1,\,5,\,8\},\ \Big\{(1+1)^5-8,\ (5-(1+1))\,8,\ ((5-1)-1)\,8,\ 8\,(5-(1+1)),\ 8\,((5-1)-1)\Big\}\Big\},$$

$$\{\{1,\,1,\,5,\,9\},\ \{\}\},\ \{\{1,\,1,\,5,\,10\},\ \{\}\},$$

$$\{\{1,\,1,\,6,\,6\},\ \{(1+1)\,(6+6),\ (6-(1+1))\,6,\ ((6-1)-1)\,6,$$
$$(6+6)\,(1+1),\ 6\,(6-(1+1)),\ 6\,((6-1)-1)\}\},\ \{\{1,\,1,\,6,\,7\},\ \{\}\},$$

$$\Big\{\{1,\,1,\,6,\,8\},\ \Big\{\frac{6}{1+1}\,8,\ \frac{6}{\frac{1+1}{8}},\ 6\,\frac{8}{1+1},\ \frac{6\times 8}{1+1},\ \frac{8}{1+1}\,6,\ \frac{8}{\frac{1+1}{6}},\ 8\,\frac{6}{1+1},\ \frac{8\times 6}{1+1}\Big\}\Big\},$$

$$\{\{1,\,1,\,6,\,9\},\ \{(1+1)\,9+6,\ 6+(1+1)\,9,\ 6+9\,(1+1),\ 9\,(1+1)+6\}\},$$

$$\{\{1,\,1,\,6,\,10\},\ \{\}\},\ \{\{1,\,1,\,7,\,7\},\ \{\}\},$$

$$\{\{1,\,1,\,7,\,8\},\ \{\}\},\ \{\{1,\,1,\,7,\,9\},\ \{\}\},$$

$$\{\{1,\,1,\,7,\,10\},\ \{(1+1)\,7+10,\ 7\,(1+1)+10,\ 10+(1+1)\,7,\ 10+7\,(1+1)\}\},$$

$$\Big\{\{1,\,1,\,8,\,8\},\ \Big\{\text{Log}[1+1,\,8]\,8,\ (1+1)\,8+8,\ \text{Log}\left[1+1,\,8^8\right],$$

$$8\,(1+1)+8,\ 8+(1+1)\,8,\ 8\,\text{Log}[1+1,\,8],\ 8+8\,(1+1),\ \frac{8}{\text{Log}[8,\,1+1]}\Big\}\Big\},$$

$$\{\{1, 1, 8, 9\}, \{8\,\text{root}[9, 1+1], \text{root}[9, 1+1]\,8\}\}, \{\{1, 1, 8, 10\}, \{\}\},$$
$$\{\{1, 1, 9, 9\}, \{\}\}, \{\{1, 1, 9, 10\}, \{\}\},$$
$$\{\{1, 1, 10, 10\}, \{\}\}, \{\{1, 2, 2, 2\}, \{\}\},$$
$$\Big\{\{1, 2, 2, 3\}, \Big\{(1+2)\,2^3,\ 2^{1+2}\,3,\ (2+1)\,2^3,\ 2^{2+1}\,3,$$
$$2^3\,(1+2),\ 2^3\,(2+1),\ (2+3)^2-1,\ 3\times 2^{1+2},\ 3\times 2^{2+1},\ (3+2)^2-1\Big\}\Big\},$$
$$\{\{1, 2, 2, 4\}, \{((1+2)\,2)\,4,\ (1+2)\,(2\times 4),\ ((1+2)\,4)\,2,\ (1+2)\,(4\times 2),$$
$$((2+1)\,2)\,4,\ (2\,(1+2))\,4,\ (2+1)\,(2\times 4),\ 2\,((1+2)\,4),\ ((2+1)\,4)\,2,$$
$$(2+1)\,(4\times 2),\ (2\,(2+1))\,4,\ 2\,((2+1)\,4),\ (2\times 4)\,(1+2),\ 2\,(4\,(1+2)),$$
$$(2\times 4)\,(2+1),\ 2\,(4\,(2+1)),\ (4\,(1+2))\,2,\ 4\,((1+2)\,2),\ (4\,(2+1))\,2,$$
$$4\,((2+1)\,2),\ (4\times 2)\,(1+2),\ 4\,(2\,(1+2)),\ (4\times 2)\,(2+1),\ 4\,(2\,(2+1))\}\},$$
$$\Big\{\{1, 2, 2, 5\}, \Big\{(1-2)+5^2,\ 1-\left(2-5^2\right),\ ((1+5)\,2)\,2,\ (1+5)\,(2\times 2),\ (1+5)\,(2+2),$$
$$(1+5)\,2^2,\ 1+\left(5^2-2\right),\ \left(1+5^2\right)-2,\ (2\,(1+5))\,2,\ 2\,((1+5)\,2),\ (2\times 2)\,(1+5),\ (2+2)\,(1+5),$$
$$2^2\,(1+5),\ 2\,(2\,(1+5)),\ (2\times 2)\,(5+1),\ (2+2)\,(5+1),\ 2^2\,(5+1),\ 2\,(2\,(5+1)),$$
$$(2\,(5+1))\,2,\ 2\,((5+1)\,2),\ ((5+1)\,2)\,2,\ (5+1)\,(2\times 2),\ (5+1)\,(2+2),\ (5+1)\,2^2,$$
$$5^2+(1-2),\ \left(5^2+1\right)-2,\ 5^2-\text{mod}[1, 2],\ 5^2-1^2,\ 5^2-\text{root}[1, 2],\ \left(5^2-2\right)+1,\ 5^2-(2-1)\Big\}\Big\},$$
$$\Big\{\{1, 2, 2, 6\}, \Big\{(2\times 2)\,6,\ (2\times 2)\,6,\ (2+2)\,6,\ (1\times 2+2)\,6,\ 2^2\,6,\ (1\times 2)^2\,6,\ 2\,(2\times 6),$$
$$(2\times 2)\,6,\ (2+2)\,6,\ 2^2\,6,\ 2\,(2\times 6),\ (1+2)\,(2+6),\ (2\times 6)\,2,\ (2\times 6)\,2,\ 2\,(6\times 2),\ (2\times 6)\,2,$$
$$2\,(6\times 2),\ (1+2)\,(6+2),\ (6\times 2)\,2,\ (6\times 2)\,2,\ 6\,(2\times 2),\ (6\times 2)\,2,\ 6\,(2\times 2),\ 6\,(2+2),$$
$$6\,(2+2),\ 6\times 2^2,\ 6\times 2^2,\ (2\times 2)\,6,\ \left(\frac{2}{1}\,2\right)6,\ \left(2^1\,2\right)6,\ (\text{root}[2, 1]\,2)\,6,\ (2\times 2)\,6,\ (2\times 1+2)\,6,$$
$$\left(\frac{2}{1}+2\right)6,\ \left(2^1+2\right)6,\ (\text{root}[2, 1]+2)\,6,\ (2+1\times 2)\,6,\ \frac{2}{\frac{1}{2}}\,6,\ 2^{1\times 2}\,6,\ (2\times 1)^2\,6,\ \left(\frac{2}{1}\right)^2 6,$$
$$\left(2^1\right)^2 6,\ \text{root}[2, 1]^2\,6,\ 2\,(2\times 6),\ \frac{2}{1}\,(2\times 6),\ 2^1\,(2\times 6),\ \text{root}[2, 1]\,(2\times 6),\ 2\,(2\times 6),$$
$$2\,(2\times 6),\ (2+1)\,(2+6),\ \frac{2}{\frac{1}{2\times 6}},\ \frac{2}{\frac{\frac{1}{2}}{6}},\ (2\times 6)\,2,\ \left(\frac{2}{1}\,6\right)2,\ \left(2^1\,6\right)2,\ (\text{root}[2, 1]\,6)\,2,$$
$$(2\times 6)\,2,\ \frac{2}{\frac{1}{6}}\,2,\ 2\,(6\times 2),\ \frac{2}{1}\,(6\times 2),\ 2^1\,(6\times 2),\ \text{root}[2, 1]\,(6\times 2),\ 2\,(6\times 2),\ 2\,(6\times 2),$$
$$(2+1)\,(6+2),\ \frac{2}{\frac{1}{6\times 2}},\ \frac{2}{\frac{\frac{1}{6}}{2}},\ (2\times 2)\,6,\ (2+2)\,6,\ 2^2\,6,\ (2\times 2)\,6,\ (2+2\times 1)\,6,\ \left(2\times\frac{2}{1}\right)6,$$
$$\left(2+\frac{2}{1}\right)6,\ \frac{2\times 2}{1}\,6,\ \frac{2+2}{1}\,6,\ \frac{2^2}{1}\,6,\ \left(2\times 2^1\right)6,\ \left(2+2^1\right)6,\ 2^{2\times 1}\,6,\ 2^{\frac{2}{1}}\,6,\ 2^{2^1}\,6,\ 2^{\text{root}[2,1]}\,6,$$
$$(2\times 2)^1\,6,\ (2+2)^1\,6,\ \left(2^2\right)^1 6,\ (2\,\text{root}[2, 1])\,6,\ (2+\text{root}[2, 1])\,6,\ \text{root}[2\times 2, 1]\,6,$$
$$\text{root}[2+2, 1]\,6,\ \text{root}\left[2^2, 1\right]6,\ (2\times 2)\,6,\ (2+2)\,6,\ 2^2\,6,\ 2\,(2\times 6),\ 2\left(\frac{2}{1}\,6\right),\ 2\left(2^1\,6\right),$$
$$2\,(\text{root}[2, 1]\,6),\ 2\,(2\times 6),\ 2\,\frac{2}{\frac{1}{6}},\ \frac{2\times 2}{\frac{1}{6}},\ \frac{2+2}{\frac{1}{6}},\ \frac{2^2}{\frac{1}{6}},\ (2\times 2)\,6,\ (2+2)\,6,\ 2^2\,6,\ 2\,(2\times 6),$$
$$(2\times 2)\,6,\ (2+2)\,6,\ 2^2\,6,\ 2\,(2\times 6),\ 2\,(2\times 6),\ (2\times 2)\,\frac{6}{1},\ (2+2)\,\frac{6}{1},\ 2^2\,\frac{6}{1},\ 2\left(2\times\frac{6}{1}\right),\ 2\,\frac{2\times 6}{1},$$
$$\frac{(2\times 2)\,6}{1},\ \frac{(2+2)\,6}{1},\ \frac{2^2\,6}{1},\ \frac{2\,(2\times 6)}{1},\ (2\times 2)\,6^1,\ (2+2)\,6^1,\ 2^2\,6^1,\ 2\left(2\times 6^1\right),\ 2\,(2\times 6)^1,$$
$$((2\times 2)\,6)^1,\ ((2+2)\,6)^1,\ \left(2^2\,6\right)^1,\ (2\,(2\times 6))^1,\ (2\times 2)\,\text{root}[6, 1],\ (2+2)\,\text{root}[6, 1],$$
$$2^2\,\text{root}[6, 1],\ 2\,(2\,\text{root}[6, 1]),\ 2\,\text{root}[2\times 6, 1],\ \text{root}[(2\times 2)\,6, 1],\ \text{root}[(2+2)\,6, 1],$$

$$\text{root}\left[2^2\ 6,\ 1\right],\ \text{root}[2\ (2\times 6),\ 1],\ (2\times 6)\ 2,\ (2\times 6)\ 2,\ \left(2\times\frac{6}{1}\right)\ 2,\ \frac{2\times 6}{1}\ 2,\ \left(2\times 6^1\right)\ 2,\ (2\times 6)^1\ 2,$$

$$(2\ \text{root}[6,\ 1])\ 2,\ \text{root}[2\times 6,\ 1]\ 2,\ (2\times 6)\ 2,\ 2\ (6\times 2),\ 2\left(\frac{6}{1}\ 2\right),\ 2\left(6^1\ 2\right),\ 2\ (\text{root}[6,\ 1]\ 2),$$

$$2\ (6\times 2),\ (2+6)\ (1+2),\ 2\ \frac{6}{\frac{1}{2}},\ \frac{2\times 6}{\frac{1}{2}},\ (2\times 6)\ 2,\ 2\ (6\times 2),\ (2\times 6)\ 2,\ 2\ (6\times 2),\ 2\ (6\times 2),$$

$$(2+6)\ (2+1),\ (2\times 6)\ \frac{2}{1},\ 2\left(6\times\frac{2}{1}\right),\ 2\ \frac{6\times 2}{1},\ \frac{(2\times 6)\ 2}{1},\ \frac{2\ (6\times 2)}{1},\ (2\times 6)\ 2^1,\ 2\left(6\times 2^1\right),$$

$$2\ (6\times 2)^1,\ ((2\times 6)\ 2)^1,\ (2\ (6\times 2))^1,\ (2\times 6)\ \text{root}[2,\ 1],\ 2\ (6\ \text{root}[2,\ 1]),\ 2\ \text{root}[6\times 2,\ 1],$$

$$\text{root}[(2\times 6)\ 2,\ 1],\ \text{root}[2\ (6\times 2),\ 1],\ (6\times 2)\ 2,\ \left(\frac{6}{1}\ 2\right)\ 2,\ \left(6^1\ 2\right)\ 2,\ (\text{root}[6,\ 1]\ 2)\ 2,\ (6\times 2)\ 2,$$

$$\frac{6}{\frac{1}{2}}\ 2,\ 6\ (2\times 2),\ \frac{6}{1}\ (2\times 2),\ 6^1\ (2\times 2),\ \text{root}[6,\ 1]\ (2\times 2),\ 6\ (2\times 2),\ 6\ (2\times 2),\ 6\ (2+2),$$

$$\frac{6}{1}\ (2+2),\ 6^1\ (2+2),\ \text{root}[6,\ 1]\ (2+2),\ 6\ (2+2),\ 6\ (1\times 2+2),\ \frac{6}{\frac{1}{2\times 2}},\ \frac{6}{\frac{1}{2+2}},\ \frac{6}{\frac{1}{2^2}},\ \frac{6}{\frac{1}{\frac{2}{2}}},\ \frac{6}{\left(\frac{1}{2}\right)^2},$$

$$6\times 2^2,\ \frac{6}{1}\ 2^2,\ 6^1\ 2^2,\ \text{root}[6,\ 1]\ 2^2,\ 6\times 2^2,\ 6\ (1\times 2)^2,\ (6\times 2)\ 2,\ (6\times 2)\ 2,\ \left(6\times\frac{2}{1}\right)\ 2,\ \frac{6\times 2}{1}\ 2,$$

$$\left(6\times 2^1\right)\ 2,\ (6\times 2)^1\ 2,\ (6\ \text{root}[2,\ 1])\ 2,\ \text{root}[6\times 2,\ 1]\ 2,\ (6\times 2)\ 2,\ 6\ (2\times 2),\ 6\left(\frac{2}{1}\ 2\right),$$

$$6\left(2^1\ 2\right),\ 6\ (\text{root}[2,\ 1]\ 2),\ 6\ (2\times 2),\ (6+2)\ (1+2),\ 6\ (2\times 1+2),\ 6\left(\frac{2}{1}+2\right),\ 6\left(2^1+2\right),$$

$$6\ (\text{root}[2,\ 1]+2),\ 6\ (2+1\times 2),\ 6\ \frac{2}{\frac{1}{2}},\ \frac{6\times 2}{\frac{1}{2}},\ 6\times 2^{1\times 2},\ 6\ (2\times 1)^2,\ 6\left(\frac{2}{1}\right)^2,\ 6\left(2^1\right)^2,\ 6\ \text{root}[2,\ 1]^2,$$

$$(6\times 2)\ 2,\ 6\ (2\times 2),\ 6\ (2+2),\ 6\times 2^2,\ (6\times 2)\ 2,\ 6\ (2\times 2),\ 6\ (2+2),\ 6\times 2^2,\ 6\ (2\times 2),$$

$$(6+2)\ (2+1),\ 6\ (2+2\times 1),\ (6\times 2)\ \frac{2}{1},\ 6\left(2\times\frac{2}{1}\right),\ 6\left(2+\frac{2}{1}\right),\ 6\ \frac{2\times 2}{1},\ \frac{(6\times 2)\ 2}{1},\ \frac{6\ (2\times 2)}{1},$$

$$6\ \frac{2+2}{1},\ \frac{6\ (2+2)}{1},\ 6\ \frac{2^2}{1},\ \frac{6\times 2^2}{1},\ (6\times 2)\ 2^1,\ 6\left(2\times 2^1\right),\ 6\left(2+2^1\right),\ 6\times 2^{2\times 1},\ 6\times 2^{\frac{2}{1}},\ 6\times 2^{2^1},$$

$$6\times 2^{\text{root}[2,1]},\ 6\ (2\times 2)^1,\ ((6\times 2)\ 2)^1,\ (6\ (2\times 2))^1,\ 6\ (2+2)^1,\ (6\ (2+2))^1,\ 6\left(2^2\right)^1,\ \left(6\times 2^2\right)^1,$$

$$(6\times 2)\ \text{root}[2,\ 1],\ 6\ (2\ \text{root}[2,\ 1]),\ 6\ (2+\text{root}[2,\ 1]),\ 6\ \text{root}[2\times 2,\ 1],\ \text{root}[(6\times 2)\ 2,\ 1],$$

$$\text{root}[6\ (2\times 2),\ 1],\ 6\ \text{root}[2+2,\ 1],\ \text{root}[6\ (2+2),\ 1],\ 6\ \text{root}\left[2^2,\ 1\right],\ \text{root}\left[6\times 2^2,\ 1\right]\Big\}\Big\},$$

$$\Big\{\{1,\ 2,\ 2,\ 7\},\ \Big\{(2\times 2)\ (7-1),\ (2+2)\ (7-1),\ 2^2\ (7-1),\ 2\ (2\ (7-1)),\ (2\ (7-1))\ 2,$$

$$2\ ((7-1)\ 2),\ ((7-1)\ 2)\ 2,\ (7-1)\ (2\times 2),\ (7-1)\ (2+2),\ (7-1)\ 2^2,\ \frac{7^2-1}{2},\ (7-2)^2-1\Big\}\Big\},$$

$$\Big\{\{1,\ 2,\ 2,\ 8\},\ \Big\{(\text{mod}[1,\ 2]+2)\ 8,\ \left(1^2+2\right)\ 8,\ (\text{root}[1,\ 2]+2)\ 8,\ ((2-1)+2)\ 8,$$

$$(2+\text{mod}[1,\ 2])\ 8,\ \left(2+1^2\right)\ 8,\ (2+\text{root}[1,\ 2])\ 8,\ (2-(1-2))\ 8,\ (2+(2-1))\ 8,$$

$$(2\times 2-1)\ 8,\ ((2+2)-1)\ 8,\ \left(2^2-1\right)\ 8,\ 8\ (\text{mod}[1,\ 2]+2),\ 8\left(1^2+2\right),$$

$$8\ (\text{root}[1,\ 2]+2),\ 8\ ((2-1)+2),\ 8\ (2+\text{mod}[1,\ 2]),\ 8\left(2+1^2\right),\ 8\ (2+\text{root}[1,\ 2]),$$

$$8\ (2-(1-2)),\ 8\ (2+(2-1)),\ 8\ (2\times 2-1),\ 8\ ((2+2)-1),\ 8\left(2^2-1\right)\Big\}\Big\},$$

$$\{\{1,\ 2,\ 2,\ 9\},\ \{((1+2)+9)\ 2,\ (1+(2+9))\ 2,\ ((1+9)+2)\ 2,\ (1+(9+2))\ 2,$$

$$2\ ((1+2)+9),\ 2\ (1+(2+9)),\ ((2+1)+9)\ 2,\ (2+(1+9))\ 2,\ 2\ ((1+9)+2),$$

$$2\ (1+(9+2)),\ 2\ ((2+1)+9),\ 2\ (2+(1+9)),\ 2\ ((2+9)+1),\ 2\ (2+(9+1)),$$

$$((2+9)+1)\ 2,\ (2+(9+1))\ 2,\ 2\ ((9+1)+2),\ 2\ (9+(1+2)),\ 2\ ((9+2)+1),$$

$$2\ (9+(2+1)),\ ((9+1)+2)\ 2,\ (9+(1+2))\ 2,\ ((9+2)+1)\ 2,\ (9+(2+1))\ 2\}\},$$

$$\Big\{\{1, 2, 2, 10\}, \Big\{2\,(2+10),\ 2\,(2+10),\ (2+10)\,2,\ (1\times 2+10)\,2,\ (2+10)\,2,\ 2\,(10+2),$$
$$2\,(10+2),\ (1+2)\,(10-2),\ (10+2)\,2,\ (1\times 10+2)\,2,\ (10+2)\,2,\ (1+10)\,2+2,\ 2\,(2+10),$$
$$\frac{2}{1}\,(2+10),\ 2^1\,(2+10),\ \text{root}[2,\,1]\,(2+10),\ 2\,(2+10),\ 2\,(1\times 2+10),\ \frac{2}{\frac{1}{2+10}},\ (2\times 1+10)\,2,$$
$$\left(\frac{2}{1}+10\right)2,\ \left(2^1+10\right)2,\ (\text{root}[2,\,1]+10)\,2,\ (2+1\times 10)\,2,\ 2\,(10+2),\ \frac{2}{1}\,(10+2),\ 2^1\,(10+2),$$
$$\text{root}[2,\,1]\,(10+2),\ 2\,(10+2),\ 2\,(1\times 10+2),\ 2\,(1+10)+2,\ 2+(1+10)\,2,\ \frac{2}{\frac{1}{10+2}},\ (2+1)\,(10-2),$$
$$2\,(2\times 1+10),\ 2\left(\frac{2}{1}+10\right),\ 2\left(2^1+10\right),\ 2\,(\text{root}[2,\,1]+10),\ 2\,(2+1\times 10),\ 2+2\,(1+10),$$
$$2\,(2+10),\ 2\,(2+10),\ 2\,(2+10\times 1),\ 2+2\,(10+1),\ 2\left(2+\frac{10}{1}\right),\ 2\,\frac{2+10}{1},\ \frac{2\,(2+10)}{1},\ 2\left(2+10^1\right),$$
$$2\,(2+10)^1,\ (2\,(2+10))^1,\ 2\,(2+\text{root}[10,\,1]),\ 2\,\text{root}[2+10,\,1],\ \text{root}[2\,(2+10),\,1],$$
$$(2+10)\,2,\ (2+10\times 1)\,2,\ \left(2+\frac{10}{1}\right)2,\ \frac{2+10}{1}\,2,\ \left(2+10^1\right)2,\ (2+10)^1\,2,\ (2+\text{root}[10,\,1])\,2,$$
$$\text{root}[2+10,\,1]\,2,\ (2+10)\,2,\ 2\,(10\times 1+2),\ 2\,(10+1)+2,\ 2\left(\frac{10}{1}+2\right),\ 2\left(10^1+2\right),$$
$$2\,(\text{root}[10,\,1]+2),\ 2\,(10+1\times 2),\ 2+(10+1)\,2,\ \frac{2+10}{\frac{1}{2}},\ (2+10)\,2,\ 2\,(10+2),\ (2+10)\,2,$$
$$2\,(10+2),\ 2\,(10+2\times 1),\ (2+10)\,\frac{2}{1},\ 2\left(10+\frac{2}{1}\right),\ \frac{(2+10)\,2}{1},\ 2\,\frac{10+2}{1},\ \frac{2\,(10+2)}{1},\ (2+10)\,2^1,$$
$$2\left(10+2^1\right),\ ((2+10)\,2)^1,\ 2\,(10+2)^1,\ (2\,(10+2))^1,\ (2+10)\,\text{root}[2,\,1],\ 2\,(10+\text{root}[2,\,1]),$$
$$\text{root}[(2+10)\,2,\,1],\ 2\,\text{root}[10+2,\,1],\ \text{root}[2\,(10+2),\,1],\ (10\times 1+2)\,2,\ \left(\frac{10}{1}+2\right)2,$$
$$\left(10^1+2\right)2,\ (\text{root}[10,\,1]+2)\,2,\ (10+1\times 2)\,2,\ (10+1)\,2+2,\ (10+2)\,2,\ (10+2\times 1)\,2,$$
$$\left(10+\frac{2}{1}\right)2,\ \frac{10+2}{1}\,2,\ \left(10+2^1\right)2,\ (10+2)^1\,2,\ (10+\text{root}[2,\,1])\,2,\ \text{root}[10+2,\,1]\,2,$$
$$(10+2)\,2,\ (10-2)\,(1+2),\ \frac{10+2}{\frac{1}{2}},\ (10+2)\,2,\ (10+2)\,2,\ (10-2)\,(2+1),\ (10+2)\,\frac{2}{1},$$
$$\frac{(10+2)\,2}{1},\ (10+2)\,2^1,\ ((10+2)\,2)^1,\ (10+2)\,\text{root}[2,\,1],\ \text{root}[(10+2)\,2,\,1],\ \left(\frac{10}{2}\right)^2-1\Big\}\Big\},$$
$$\Big\{\{1, 2, 3, 3\}, \Big\{2^3\,3,\ (1\times 2)^3\,3,\ 2^3\,3,\ (1+2)^3-3,\ ((1+3)\,2)\,3,\ (1+3)\,(2\times 3),\ 3\times 2^3,$$
$$3\times 2^3,\ ((1+3)\,3)\,2,\ (1+3)\,(3\times 2),\ (2\,(1+3))\,3,\ 2^{1\times 3}\,3,\ (2\times 1)^3\,3,\ \left(\frac{2}{1}\right)^3\,3,\ \left(2^1\right)^3\,3,$$
$$\text{root}[2,\,1]^3\,3,\ 2\,((1+3)\,3),\ (2+1)^3-3,\ 2^3\,3,\ (2\,(3+1))\,3,\ \frac{2^3}{1}\,3,\ 2^{3\times 1}\,3,\ 2^{\frac{3}{1}}\,3,\ 2^{3^1}\,3,$$
$$2^{\text{root}[3,1]}\,3,\ \left(2^3\right)^1\,3,\ \text{root}\left[2^3,\,1\right]3,\ 2^3\,3,\ 2\,((3+1)\,3),\ (2\times 3)\,(1+3),\ 2\,(3\,(1+3)),$$
$$\frac{2^3}{\frac{1}{3}},\ 2^3\,3,\ 2^3\,3,\ (2\times 3)\,(3+1),\ 2\,(3\,(3+1)),\ 2^3\,\frac{3}{1},\ \frac{2^3\,3}{1},\ 2^3\,3^1,\ \left(2^3\,3\right)^1,\ 2^3\,\text{root}[3,\,1],$$
$$\text{root}\left[2^3\,3,\,1\right],\ ((3+1)\,2)\,3,\ (3+1)\,(2\times 3),\ \frac{3}{\frac{1}{2^3}},\ \frac{3}{\left(\frac{1}{2}\right)^3},\ 3\times 2^3,\ \frac{3}{1}\,2^3,\ 3^1\,2^3,\ \text{root}[3,\,1]\,2^3,$$

$$3\times 2^3,\ 3\ (1\times 2)^3,\ 3^{1+2}-3,\ ((3+1)\ 3)\ 2,\ (3\ (1+3))\ 2,\ (3+1)\ (3\times 2),\ 3\ ((1+3)\ 2),$$
$$\left(3^2-1\right)\ 3,\ (3\times 2)\ (1+3),\ 3\ (2\ (1+3)),\ 3\times 2^{1\times 3},\ 3\ (2\times 1)^3,\ 3\left(\frac{2}{1}\right)^3,\ 3\left(2^1\right)^3,$$
$$3\ \text{root}[2,\ 1]^3,\ 3^{2+1}-3,\ 3\times 2^3,\ 3\times 2^3,\ (3\times 2)\ (3+1),\ 3\ (2\ (3+1)),\ 3\ \frac{2^3}{1},\ \frac{3\times 2^3}{1},$$
$$3\times 2^{3\times 1},\ 3\times 2^{\frac{3}{1}},\ 3\times 2^{3^1},\ 3\times 2^{\text{root}[3,1]},\ 3\left(2^3\right)^1,\ \left(3\times 2^3\right)^1,\ 3\ \text{root}\left[2^3,\ 1\right],\ \text{root}\left[3\times 2^3,\ 1\right],$$
$$(3\ (3+1))\ 2,\ 3\ ((3+1)\ 2),\ 3^3-(1+2),\ \left(3^3-1\right)-2,\ 3\left(3^2-1\right),\ 3^3-(2+1),\ \left(3^3-2\right)-1\Big\}\Big\},$$
$$\Big\{\{1,\ 2,\ 3,\ 4\},\ \Big\{(2\times 3)\ 4,\ (2\times 3)\ 4,\ ((1+2)+3)\ 4,\ (1+(2+3))\ 4,\ 2\ (3\times 4),\ (2\times 3)\ 4,$$
$$2\ (3\times 4),\ (2\times 4)\ 3,\ (2\times 4)\ 3,\ 2\ (4\times 3),\ (2\times 4)\ 3,\ 2\ (4\times 3),\ (3\times 2)\ 4,\ (3\times 2)\ 4,$$
$$((1+3)+2)\ 4,\ (1+(3+2))\ 4,\ 3\ (2\times 4),\ (3\times 2)\ 4,\ 3\ (2\times 4),\ (1+3)\ (2+4),\ (3\times 4)\ 2,$$
$$(3\times 4)\ 2,\ 3\ (4\times 2),\ (3\times 4)\ 2,\ 3\ (4\times 2),\ (1+3)\ (4+2),\ (4\times 2)\ 3,\ (4\times 2)\ 3,\ 4\ (2\times 3),$$
$$(4\times 2)\ 3,\ 4\ (2\times 3),\ (4\times 3)\ 2,\ (4\times 3)\ 2,\ 4\ (3\times 2),\ (4\times 3)\ 2,\ 4\ (3\times 2),\ (2\times 3)\ 4,\ \left(\frac{2}{1}\ 3\right)\ 4,$$
$$\left(2^1\ 3\right)\ 4,\ (\text{root}[2,\ 1]\ 3)\ 4,\ (2\times 3)\ 4,\ ((2+1)+3)\ 4,\ (2+(1+3))\ 4,\ \frac{2}{\frac{1}{3}}\ 4,\ 2\ (3\times 4),\ \frac{2}{1}\ (3\times 4),$$
$$2^1\ (3\times 4),\ \text{root}[2,\ 1]\ (3\times 4),\ 2\ (3\times 4),\ 2\ (3\times 4),\ \frac{2}{\frac{1}{3\times 4}},\ \frac{2}{\frac{1}{\frac{3}{4}}},\ (2\times 4)\ 3,\ \left(\frac{2}{1}\ 4\right)\ 3,\ \left(2^1\ 4\right)\ 3,$$
$$(\text{root}[2,\ 1]\ 4)\ 3,\ (2\times 4)\ 3,\ \frac{2}{\frac{1}{4}}\ 3,\ 2\ (4\times 3),\ \frac{2}{1}\ (4\times 3),\ 2^1\ (4\times 3),\ \text{root}[2,\ 1]\ (4\times 3),$$
$$2\ (4\times 3),\ 2\ (4\times 3),\ \frac{2}{\frac{1}{4\times 3}},\ \frac{2}{\frac{\frac{1}{4}}{3}},\ (2\times 3)\ 4,\ (2\times 3)\ 4,\ ((2+3)+1)\ 4,\ (2+(3+1))\ 4,\ \left(2\times\frac{3}{1}\right)\ 4,$$
$$\frac{2\times 3}{1}\ 4,\ \left(2\times 3^1\right)\ 4,\ (2\times 3)^1\ 4,\ (2\ \text{root}[3,\ 1])\ 4,\ \text{root}[2\times 3,\ 1]\ 4,\ (2\times 3)\ 4,\ 2\ (3\times 4),$$
$$2\left(\frac{3}{1}\ 4\right),\ 2\left(3^1\ 4\right),\ 2\ (\text{root}[3,\ 1]\ 4),\ 2\ (3\times 4),\ 2\ \frac{3}{\frac{1}{4}},\ \frac{2\times 3}{\frac{1}{4}},\ (2\times 3)\ 4,\ 2\ (3\times 4),\ (2\times 3)\ 4,$$
$$2\ (3\times 4),\ 2\ (3\times 4),\ (2\times 3)\ \frac{4}{1},\ 2\left(3\times\frac{4}{1}\right),\ 2\ \frac{3\times 4}{1},\ \frac{(2\times 3)\ 4}{1},\ \frac{2\ (3\times 4)}{1},\ (2\times 3)\ 4^1,$$
$$2\left(3\times 4^1\right),\ 2\ (3\times 4)^1,\ ((2\times 3)\ 4)^1,\ (2\ (3\times 4))^1,\ (2\times 3)\ \text{root}[4,\ 1],\ 2\ (3\ \text{root}[4,\ 1]),$$
$$2\ \text{root}[3\times 4,\ 1],\ \text{root}[(2\times 3)\ 4,\ 1],\ \text{root}[2\ (3\times 4),\ 1],\ 2^3\ (4-1),\ (2\times 4)\ 3,\ (2\times 4)\ 3,$$
$$\left(2\times\frac{4}{1}\right)\ 3,\ \frac{2\times 4}{1}\ 3,\ 2^{4-1}\ 3,\ \left(2\times 4^1\right)\ 3,\ (2\times 4)^1\ 3,\ (2\ \text{root}[4,\ 1])\ 3,\ \text{root}[2\times 4,\ 1]\ 3,$$
$$(2\times 4)\ 3,\ 2\ (4\times 3),\ 2\left(\frac{4}{1}\ 3\right),\ 2\left(4^1\ 3\right),\ 2\ (\text{root}[4,\ 1]\ 3),\ 2\ (4\times 3),\ (2+4)\ (1+3),\ 2\ \frac{4}{\frac{1}{3}},$$
$$\frac{2\times 4}{\frac{1}{3}},\ (2\times 4)\ 3,\ 2\ (4\times 3),\ (2\times 4)\ 3,\ 2\ (4\times 3),\ 2\ (4\times 3),\ (2+4)\ (3+1),\ (2\times 4)\ \frac{3}{1},$$
$$2\left(4\times\frac{3}{1}\right),\ 2\ \frac{4\times 3}{1},\ \frac{(2\times 4)\ 3}{1},\ \frac{2\ (4\times 3)}{1},\ (2\times 4)\ 3^1,\ 2\left(4\times 3^1\right),\ 2\ (4\times 3)^1,\ ((2\times 4)\ 3)^1,$$
$$(2\ (4\times 3))^1,\ (2\times 4)\ \text{root}[3,\ 1],\ 2\ (4\ \text{root}[3,\ 1]),\ 2\ \text{root}[4\times 3,\ 1],\ \text{root}[(2\times 4)\ 3,\ 1],$$
$$\text{root}[2\ (4\times 3),\ 1],\ (3\times 2)\ 4,\ \left(\frac{3}{1}\ 2\right)\ 4,\ \left(3^1\ 2\right)\ 4,\ (\text{root}[3,\ 1]\ 2)\ 4,\ (3\times 2)\ 4,\ ((3+1)+2)\ 4,$$

$$(3+(1+2))\,4,\ \frac{3}{\frac{1}{2}}\,4,\ 3\,(2\times4),\ \frac{3}{1}\,(2\times4),\ 3^1\,(2\times4),\ \text{root}[3,\,1]\,(2\times4),\ 3\,(2\times4),\ 3\,(2\times4),$$

$$(3+1)\,(2+4),\ \frac{3}{\frac{1}{2\times4}},\ \frac{3}{\frac{\frac{1}{2}}{4}},\ (3\times4)\,2,\ \left(\frac{3}{1}\,4\right)2,\ \left(3^1\,4\right)2,\ (\text{root}[3,\,1]\,4)\,2,\ (3\times4)\,2,\ \frac{3}{\frac{1}{4}}\,2,$$

$$3\,(4\times2),\ \frac{3}{1}\,(4\times2),\ 3^1\,(4\times2),\ \text{root}[3,\,1]\,(4\times2),\ 3\,(4\times2),\ 3\,(4\times2),\ (3+1)\,(4+2),$$

$$\frac{3}{\frac{1}{4\times2}},\ \frac{3}{\frac{\frac{1}{4}}{2}},\ (3\times2)\,4,\ (3\times2)\,4,\ ((3+2)+1)\,4,\ (3+(2+1))\,4,\ \left(3\times\frac{2}{1}\right)4,\ \frac{3\times2}{1}\,4,$$

$$\left(3\times2^1\right)4,\ (3\times2)^1\,4,\ (3\,\text{root}[2,\,1])\,4,\ \text{root}[3\times2,\,1]\,4,\ (3\times2)\,4,\ 3\,(2\times4),\ 3\left(\frac{2}{1}\,4\right),$$

$$3\left(2^1\,4\right),\ 3\,(\text{root}[2,\,1]\,4),\ 3\,(2\times4),\ 3\,\frac{2}{\frac{1}{4}},\ \frac{3}{2^{1-4}},\ \frac{3\times2}{\frac{1}{4}},\ (3\times2)\,4,\ 3\,(2\times4),\ (3\times2)\,4,$$

$$3\,(2\times4),\ 3\,(2\times4),\ (3\times2)\,\frac{4}{1},\ 3\left(2\times\frac{4}{1}\right),\ 3\,\frac{2\times4}{1},\ \frac{(3\times2)\,4}{1},\ \frac{3\,(2\times4)}{1},\ 3\times2^{4-1},\ (3\times2)\,4^1,$$

$$3\left(2\times4^1\right),\ 3\,(2\times4)^1,\ ((3\times2)\,4)^1,\ (3\,(2\times4))^1,\ (3\times2)\,\text{root}[4,\,1],\ 3\,(2\,\text{root}[4,\,1]),$$

$$3\,\text{root}[2\times4,\,1],\ \text{root}[(3\times2)\,4,\,1],\ \text{root}[3\,(2\times4),\,1],\ (3\times4)\,2,\ (3\times4)\,2,\ \left(3\times\frac{4}{1}\right)2,$$

$$\frac{3\times4}{1}\,2,\ \left(3\times4^1\right)2,\ (3\times4)^1\,2,\ (3\,\text{root}[4,\,1])\,2,\ \text{root}[3\times4,\,1]\,2,\ (3\times4)\,2,\ 3\,(4\times2),$$

$$3\left(\frac{4}{1}\,2\right),\ 3\left(4^1\,2\right),\ 3\,(\text{root}[4,\,1]\,2),\ 3\,(4\times2),\ 3\,\frac{4}{\frac{1}{2}},\ \frac{3\times4}{\frac{1}{2}},\ (3\times4)\,2,\ 3\,(4\times2),\ (3\times4)\,2,$$

$$3\,(4\times2),\ 3\,(4\times2),\ (3\times4)\,\frac{2}{1},\ 3\left(4\times\frac{2}{1}\right),\ 3\,\frac{4\times2}{1},\ \frac{(3\times4)\,2}{1},\ \frac{3\,(4\times2)}{1},\ (3\times4)\,2^1,$$

$$3\left(4\times2^1\right),\ 3\,(4\times2)^1,\ ((3\times4)\,2)^1,\ (3\,(4\times2))^1,\ (3\times4)\,\text{root}[2,\,1],\ 3\,(4\,\text{root}[2,\,1]),$$

$$3\,\text{root}[4\times2,\,1],\ \text{root}[(3\times4)\,2,\,1],\ \text{root}[3\,(4\times2),\,1],\ (4\times2)\,3,\ \left(\frac{4}{1}\,2\right)3,\ \left(4^1\,2\right)3,$$

$$(\text{root}[4,\,1]\,2)\,3,\ (4\times2)\,3,\ \frac{4}{\frac{1}{2}}\,3,\ 4\,(2\times3),\ \frac{4}{1}\,(2\times3),\ 4^1\,(2\times3),\ \text{root}[4,\,1]\,(2\times3),\ 4\,(2\times3),$$

$$4\,(2\times3),\ 4\,((1+2)+3),\ 4\,(1+(2+3)),\ \frac{4}{\frac{1}{2\times3}},\ \frac{4}{\frac{\frac{1}{2}}{3}},\ (4-1)\,2^3,\ (4\times3)\,2,\ \left(\frac{4}{1}\,3\right)2,\ \left(4^1\,3\right)2,$$

$$(\text{root}[4,\,1]\,3)\,2,\ (4\times3)\,2,\ \frac{4}{\frac{1}{3}}\,2,\ 4\,(3\times2),\ \frac{4}{1}\,(3\times2),\ 4^1\,(3\times2),\ \text{root}[4,\,1]\,(3\times2),\ 4\,(3\times2),$$

$$4\,(3\times2),\ 4\,((1+3)+2),\ 4\,(1+(3+2)),\ \frac{4}{\frac{1}{3\times2}},\ \frac{4}{\frac{\frac{1}{3}}{2}},\ (4\times2)\,3,\ (4\times2)\,3,\ \left(4\times\frac{2}{1}\right)3,\ \frac{4\times2}{1}\,3,$$

$$\left(4\times2^1\right)3,\ (4\times2)^1\,3,\ (4\,\text{root}[2,\,1])\,3,\ \text{root}[4\times2,\,1]\,3,\ (4\times2)\,3,\ 4\,(2\times3),\ 4\left(\frac{2}{1}\,3\right),$$

$$4\left(2^1\,3\right),\ 4\,(\text{root}[2,\,1]\,3),\ 4\,(2\times3),\ (4+2)\,(1+3),\ 4\,((2+1)+3),\ 4\,(2+(1+3)),\ 4\,\frac{2}{\frac{1}{3}},$$

$$\frac{4\times 2}{\frac{1}{3}},\ (4\times 2)\ 3,\ 4\ (2\times 3),\ (4\times 2)\ 3,\ 4\ (2\times 3),\ 4\ (2\times 3),\ (4+2)\ (3+1),\ 4\ ((2+3)+1),$$

$$4\ (2+(3+1)),\ (4\times 2)\ \frac{3}{1},\ 4\left(2\times\frac{3}{1}\right),\ 4\ \frac{2\times 3}{1},\ \frac{(4\times 2)\ 3}{1},\ \frac{4\ (2\times 3)}{1},\ (4\times 2)\ 3^1,\ 4\left(2\times 3^1\right),$$

$$4\ (2\times 3)^1,\ ((4\times 2)\ 3)^1,\ (4\ (2\times 3))^1,\ (4\times 2)\ \text{root}[3,\ 1],\ 4\ (2\ \text{root}[3,\ 1]),\ 4\ \text{root}[2\times 3,\ 1],$$

$$\text{root}[(4\times 2)\ 3,\ 1],\ \text{root}[4\ (2\times 3),\ 1],\ (4\times 3)\ 2,\ (4\times 3)\ 2,\ \left(4\times\frac{3}{1}\right)\ 2,\ \frac{4\times 3}{1}\ 2,\ \left(4\times 3^1\right)\ 2,$$

$$(4\times 3)^1\ 2,\ (4\ \text{root}[3,\ 1])\ 2,\ \text{root}[4\times 3,\ 1]\ 2,\ (4\times 3)\ 2,\ 4\ (3\times 2),\ 4\left(\frac{3}{1}\ 2\right),\ 4\left(3^1\ 2\right),$$

$$4\ (\text{root}[3,\ 1]\ 2),\ 4\ (3\times 2),\ 4\ ((3+1)+2),\ 4\ (3+(1+2)),\ 4\ \frac{3}{\frac{1}{2}},\ \frac{4\times 3}{\frac{1}{2}},\ (4\times 3)\ 2,\ 4\ (3\times 2),$$

$$(4\times 3)\ 2,\ 4\ (3\times 2),\ 4\ (3\times 2),\ 4\ ((3+2)+1),\ 4\ (3+(2+1)),\ (4\times 3)\ \frac{2}{1},\ 4\left(3\times\frac{2}{1}\right),$$

$$4\ \frac{3\times 2}{1},\ \frac{(4\times 3)\ 2}{1},\ \frac{4\ (3\times 2)}{1},\ (4\times 3)\ 2^1,\ 4\left(3\times 2^1\right),\ 4\ (3\times 2)^1,\ ((4\times 3)\ 2)^1,\ (4\ (3\times 2))^1,$$

$$(4\times 3)\ \text{root}[2,\ 1],\ 4\ (3\ \text{root}[2,\ 1]),\ 4\ \text{root}[3\times 2,\ 1],\ \text{root}[(4\times 3)\ 2,\ 1],\ \text{root}[4\ (3\times 2),\ 1]\Big\}\Big\},$$

$$\Big\{\{1,\ 2,\ 3,\ 5\},\ \Big\{(1+2)\ (3+5),\ ((1+2)+5)\ 3,\ (1+(2+5))\ 3,\ (1+2)\ (5+3),\ ((1+5)+2)\ 3,$$
$$(1+(5+2))\ 3,\ (2+1)\ (3+5),\ ((2+1)+5)\ 3,\ (2+(1+5))\ 3,\ (2+1)\ (5+3),$$
$$(2\times 3)\ (5-1),\ 2\ (3\ (5-1)),\ (2+3)\ 5-1,\ ((2+5)+1)\ 3,\ (2+(5+1))\ 3,\ (2\ (5-1))\ 3,$$
$$2\ ((5-1)\ 3),\ 3\ ((1+2)+5),\ 3\ (1+(2+5)),\ 3\ ((1+5)+2),\ 3\ (1+(5+2)),\ 3\ ((2+1)+5),$$
$$3\ (2+(1+5)),\ 3\ ((2+5)+1),\ 3\ (2+(5+1)),\ (3\times 2)\ (5-1),\ 3\ (2\ (5-1)),\ (3+2)\ 5-1,$$
$$(3\ (5-1))\ 2,\ 3\ ((5-1)\ 2),\ (3+5)\ (1+2),\ 3\ ((5+1)+2),\ 3\ (5+(1+2)),\ (3+5)\ (2+1),$$
$$3\ ((5+2)+1),\ 3\ (5+(2+1)),\ ((5-1)\ 2)\ 3,\ ((5+1)+2)\ 3,\ (5+(1+2))\ 3,\ (5-1)\ (2\times 3),$$
$$((5-1)\ 3)\ 2,\ (5-1)\ (3\times 2),\ ((5+2)+1)\ 3,\ (5+(2+1))\ 3,\ 5^2-\text{mod}[1,\ 3],\ 5^2-1^3,$$
$$5^2-\text{root}[1,\ 3],\ 5\ (2+3)-1,\ 5^{\text{mod}[2,3]}-1,\ (5+3)\ (1+2),\ (5+3)\ (2+1),\ 5\ (3+2)-1\Big\}\Big\},$$

$$\Big\{\{1,\ 2,\ 3,\ 6\},\ \Big\{(\text{mod}[1,\ 2]+3)\ 6,\ \left(1^2+3\right)\ 6,\ (\text{root}[1,\ 2]+3)\ 6,\ (2+6)\ 3,\ (1\times 2+6)\ 3,$$
$$(2+6)\ 3,\ 3\ (2+6),\ 3\ (2+6),\ 3\ (6+2),\ 3\ (6+2),\ (6+2)\ 3,\ (1\times 6+2)\ 3,\ (6+2)\ 3,$$
$$((2-1)+3)\ 6,\ (2-(1-3))\ 6,\ (2\times 1+6)\ 3,\ \left(\frac{2}{1}+6\right)\ 3,\ \left(2^1+6\right)\ 3,\ (\text{root}[2,\ 1]+6)\ 3,$$
$$(2+1\times 6)\ 3,\ 2^{3-1}\ 6,\ (2\ (3-1))\ 6,\ (2+(3-1))\ 6,\ ((2+3)-1)\ 6,\ 2\ ((3-1)\ 6),\ (2+6)\ 3,$$
$$(2+6\times 1)\ 3,\ \left(2+\frac{6}{1}\right)\ 3,\ \frac{2+6}{1}\ 3,\ \left(2+6^1\right)\ 3,\ (2+6)^1\ 3,\ (2+\text{root}[6,\ 1])\ 3,\ \text{root}[2+6,\ 1]\ 3,$$
$$(2+6)\ 3,\ \frac{2+6}{\frac{1}{3}},\ (2+6)\ 3,\ (2+6)\ 3,\ (2+6)\ \frac{3}{1},\ \frac{(2+6)\ 3}{1},\ (2+6)\ 3^1,\ ((2+6)\ 3)^1,$$
$$(2+6)\ \text{root}[3,\ 1],\ \text{root}[(2+6)\ 3,\ 1],\ (2\times 6)\ (3-1),\ 2\ (6\ (3-1)),\ ((3-1)\ 2)\ 6,\ ((3-1)+2)\ 6,$$
$$(3+\text{mod}[1,\ 2])\ 6,\ \left(3+1^2\right)\ 6,\ (3-1)^2\ 6,\ (3+\text{root}[1,\ 2])\ 6,\ (3-(1-2))\ 6,\ (3-1)\ (2\times 6),$$
$$3\ (2+6),\ \frac{3}{1}\ (2+6),\ 3^1\ (2+6),\ \text{root}[3,\ 1]\ (2+6),\ 3\ (2+6),\ 3\ (1\times 2+6),\ \frac{3}{\frac{1}{2+6}},\ ((3-1)\ 6)\ 2,$$
$$(3-1)\ (6\times 2),\ 3\ (6+2),\ \frac{3}{1}\ (6+2),\ 3^1\ (6+2),\ \text{root}[3,\ 1]\ (6+2),\ 3\ (6+2),\ 3\ (1\times 6+2),$$
$$\frac{3}{\frac{1}{6+2}},\ (3+(2-1))\ 6,\ ((3+2)-1)\ 6,\ 3\ (2\times 1+6),\ 3\left(\frac{2}{1}+6\right),\ 3\left(2^1+6\right),\ 3\ (\text{root}[2,\ 1]+6),$$
$$3\ (2+1\times 6),\ 3\ (2+6),\ 3\ (2+6),\ 3\ (2+6\times 1),\ 3\left(2+\frac{6}{1}\right),\ 3\ \frac{2+6}{1},\ \frac{3\ (2+6)}{1},\ 3\left(2+6^1\right),$$
$$3\ (2+6)^1,\ (3\ (2+6))^1,\ 3\ (2+\text{root}[6,\ 1]),\ 3\ \text{root}[2+6,\ 1],\ \text{root}[3\ (2+6),\ 1],\ 3\ (6\times 1+2),$$

$$3\left(\frac{6}{1}+2\right),\ 3\left(6^1+2\right),\ 3\ (\text{root}[6,\ 1]+2),\ 3\ (6+1\times 2),\ 3\ (6+2),\ 3\ (6+2),\ 3\ (6+2\times 1),$$

$$3\left(6+\frac{2}{1}\right),\ 3\ \frac{6+2}{1},\ \frac{3\ (6+2)}{1},\ 3\left(6+2^1\right),\ 3\ (6+2)^1,\ (3\ (6+2))^1,\ 3\ (6+\text{root}[2,\ 1]),$$

$$3\ \text{root}[6+2,\ 1],\ \text{root}[3\ (6+2),\ 1],\ (6\times 1+2)\ 3,\ \left(\frac{6}{1}+2\right)\ 3,\ \left(6^1+2\right)\ 3,\ (\text{root}[6,\ 1]+2)\ 3,$$

$$(6+1\times 2)\ 3,\ 6\ (\text{mod}[1,\ 2]+3),\ 6\left(1^2+3\right),\ 6\ (\text{root}[1,\ 2]+3),\ (6+2)\ 3,\ (6+2\times 1)\ 3,$$

$$\left(6+\frac{2}{1}\right)\ 3,\ \frac{6+2}{1}\ 3,\ \left(6+2^1\right)\ 3,\ (6+2)^1\ 3,\ (6+\text{root}[2,\ 1])\ 3,\ \text{root}[6+2,\ 1]\ 3,\ (6+2)\ 3,$$

$$6\ ((2-1)+3),\ \frac{6}{2^{1-3}},\ \frac{6+2}{\frac{1}{3}},\ 6\ (2-(1-3)),\ (6+2)\ 3,\ (6+2)\ 3,\ (6+2)\ \frac{3}{1},\ \frac{(6+2)\ 3}{1},\ 6\times 2^{3-1},$$

$$(6+2)\ 3^1,\ ((6+2)\ 3)^1,\ (6+2)\ \text{root}[3,\ 1],\ \text{root}[(6+2)\ 3,\ 1],\ (6\times 2)\ (3-1),\ 6\ (2\ (3-1)),$$
$$6\ (2+(3-1)),\ 6\ ((2+3)-1),\ (6\ (3-1))\ 2,\ 6\ ((3-1)\ 2),\ 6\ ((3-1)+2),\ 6\ (3+\text{mod}[1,\ 2]),$$
$$6\left(3+1^2\right),\ 6\ (3-1)^2,\ 6\ (3+\text{root}[1,\ 2]),\ 6\ (3-(1-2)),\ 6\ (3+(2-1)),\ 6\ ((3+2)-1)\Big\}\Big\},$$

$$\Big\{\{1,\ 2,\ 3,\ 7\},\ \Big\{(1+2)+3\times 7,\ 1+(2+3\times 7),\ (\text{mod}[1,\ 2]+7)\ 3,\ \left(1^2+7\right)\ 3,\ (\text{root}[1,\ 2]+7)\ 3,$$
$$(1+2)\ 7+3,\ (1+2)+7\times 3,\ 1+(2+7\times 3),\ (1+3\times 7)+2,\ 1+(3\times 7+2),\ (1+7\times 3)+2,$$
$$1+(7\times 3+2),\ (2+1)+3\times 7,\ 2+(1+3\times 7),\ ((2-1)+7)\ 3,\ (2-(1-7))\ 3,\ (2+1)\ 7+3,$$
$$(2+1)+7\times 3,\ 2+(1+7\times 3),\ (2+3\times 7)+1,\ 2+(3\times 7+1),\ (2+(7-1))\ 3,\ ((2+7)-1)\ 3,$$
$$(2+7\times 3)+1,\ 2+(7\times 3+1),\ 3\ (\text{mod}[1,\ 2]+7),\ 3\left(1^2+7\right),\ 3\ (\text{root}[1,\ 2]+7),$$
$$3+(1+2)\ 7,\ 3\ ((2-1)+7),\ 3+(2+1)\ 7,\ 3\ (2-(1-7)),\ 3\ (2+(7-1)),\ 3\ ((2+7)-1),$$
$$(3\times 7+1)+2,\ 3\ ((7-1)+2),\ 3\times 7+(1+2),\ 3+7\ (1+2),\ 3\ (7+\text{mod}[1,\ 2]),\ 3\left(7+1^2\right),$$
$$3\ (7+\text{root}[1,\ 2]),\ 3\ (7-(1-2)),\ (3\times 7+2)+1,\ 3\times 7+(2+1),\ 3+7\ (2+1),$$
$$3\ (7+(2-1)),\ 3\ ((7+2)-1),\ ((7-1)+2)\ 3,\ (7+\text{mod}[1,\ 2])\ 3,\ \left(7+1^2\right)\ 3,$$
$$(7+\text{root}[1,\ 2])\ 3,\ (7-(1-2))\ 3,\ 7\ (1+2)+3,\ (7+(2-1))\ 3,\ ((7+2)-1)\ 3,$$
$$7\ (2+1)+3,\ (7\times 3+1)+2,\ 7\times 3+(1+2),\ (7\times 3+2)+1,\ 7\times 3+(2+1)\Big\}\Big\},$$

$$\Big\{\{1,\ 2,\ 3,\ 8\},\ \Big\{(\text{mod}[1,\ 2]\ 3)\ 8,\ \left(1^2\ 3\right)\ 8,\ (\text{root}[1,\ 2]\ 3)\ 8,\ (1+\text{mod}[2,\ 3])\ 8,$$
$$\text{mod}[1,\ 2]\ (3\times 8),\ 1^2\ (3\times 8),\ \text{root}[1,\ 2]\ (3\times 8),\ (\text{mod}[1,\ 2]\ 8)\ 3,\ \left(1^2\ 8\right)\ 3,\ (\text{root}[1,\ 2]\ 8)\ 3,$$
$$\text{mod}[1,\ 2]\ (8\times 3),\ 1^2\ (8\times 3),\ \text{root}[1,\ 2]\ (8\times 3),\ (\text{mod}[1,\ 3]+2)\ 8,\ \left(1^3+2\right)\ 8,$$
$$(\text{root}[1,\ 3]+2)\ 8,\ (1+3)^2+8,\ ((1+3)+8)\ 2,\ (1+(3+8))\ 2,\ (1+3)\ (8-2),\ ((1+8)+3)\ 2,$$
$$(1+(8+3))\ 2,\ ((2-1)\ 3)\ 8,\ (\text{Log}[2,\ 1]+3)\ 8,\ (\text{mod}[2,\ 1]+3)\ 8,\ (2+\text{mod}[1,\ 3])\ 8,$$
$$\left(2+1^3\right)\ 8,\ (2+\text{root}[1,\ 3])\ 8,\ (2-1)\ (3\times 8),\ 2\ ((1+3)+8),\ 2^{1+3}+8,\ \text{Log}[2,\ 1]+3\times 8,$$
$$\text{mod}[2,\ 1]+3\times 8,\ 2\ (1+(3+8)),\ ((2-1)\ 8)\ 3,\ (\text{Log}[2,\ 1]+8)\ 3,\ (\text{mod}[2,\ 1]+8)\ 3,$$
$$(2-1)\ (8\times 3),\ 2\ ((1+8)+3),\ \text{Log}[2,\ 1]+8\times 3,\ \text{mod}[2,\ 1]+8\times 3,\ 2\ (1+(8+3)),$$
$$(\text{mod}[2,\ 3]+1)\ 8,\ 2\ ((3+1)+8),\ 2^{3+1}+8,\ 2\ (3+(1+8)),\ 2\ ((3+8)+1),\ 2\ (3+(8+1)),$$
$$2\ ((8+1)+3),\ 2\ (8+(1+3)),\ 2\ ((8+3)+1),\ 2\ (8+(3+1)),\ \frac{3}{\text{mod}[1,\ 2]}\ 8,\ \frac{3}{1^2}\ 8,$$
$$\frac{3}{\text{root}[1,\ 2]}\ 8,\ (3\ \text{mod}[1,\ 2])\ 8,\ \left(3\times 1^2\right)\ 8,\ 3^{\text{mod}[1,2]}\ 8,\ 3^{1^2}\ 8,\ 3^{\text{root}[1,2]}\ 8,\ (3\ \text{root}[1,\ 2])\ 8,$$
$$\text{root}[3,\ \text{mod}[1,\ 2]]\ 8,\ \text{root}\left[3,\ 1^2\right]\ 8,\ \text{root}[3,\ \text{root}[1,\ 2]]\ 8,\ 3\ (\text{mod}[1,\ 2]\ 8),\ 3\left(1^2\ 8\right),$$
$$3\ (\text{root}[1,\ 2]\ 8),\ (3+1)^2+8,\ \frac{3}{\frac{\text{mod}[1,2]}{8}},\ \frac{3}{\frac{1^2}{8}},\ \frac{3}{\frac{\text{root}[1,2]}{8}},\ ((3+1)+8)\ 2,\ (3+(1+8))\ 2,$$
$$(3+1)\ (8-2),\ \frac{3}{2-1}\ 8,\ (3+\text{Log}[2,\ 1])\ 8,\ (3+\text{mod}[2,\ 1])\ 8,\ 3^{2-1}\ 8,\ \text{root}[3,\ 2-1]\ 8,$$
$$(3\ (2-1))\ 8,\ (3-\text{Log}[2,\ 1])\ 8,\ (3-\text{mod}[2,\ 1])\ 8,\ 3\ ((2-1)\ 8),\ 3\ (\text{Log}[2,\ 1]+8),$$
$$3\ (\text{mod}[2,\ 1]+8),\ \frac{3}{\frac{2-1}{8}},\ ((3+8)+1)\ 2,\ (3+(8+1))\ 2,\ \frac{3}{8^{1-2}},\ \frac{3}{\text{root}[8,\ 1-2]},\ 3\ \frac{8}{\text{mod}[1,\ 2]},$$

$$3\,\frac{8}{1^2},\ 3\,\frac{8}{\text{root}[1,\,2]},\ \frac{3\times 8}{\text{mod}[1,\,2]},\ \frac{3\times 8}{1^2},\ \frac{3\times 8}{\text{root}[1,\,2]},\ (3\times 8)\,\text{mod}[1,\,2],\ 3\,(8\,\text{mod}[1,\,2]),$$
$$(3\times 8)\,1^2,\ 3\,\left(8\times 1^2\right),\ 3\times 8^{\text{mod}[1,2]},\ 3\times 8^{1^2},\ 3\times 8^{\text{root}[1,2]},\ (3\times 8)^{\text{mod}[1,2]},\ (3\times 8)^{1^2},$$
$$(3\times 8)^{\text{root}[1,2]},\ (3\times 8)\,\text{root}[1,\,2],\ 3\,(8\,\text{root}[1,\,2]),\ 3\,\text{root}[8,\,\text{mod}[1,\,2]],\ 3\,\text{root}\left[8,\,1^2\right],$$
$$3\,\text{root}[8,\,\text{root}[1,\,2]],\ \text{root}[3\times 8,\,\text{mod}[1,\,2]],\ \text{root}\left[3\times 8,\,1^2\right],\ \text{root}[3\times 8,\,\text{root}[1,\,2]],$$
$$3\,\frac{8}{2-1},\ \frac{3\times 8}{2-1},\ 3\,(8+\text{Log}[2,\,1]),\ 3\times 8+\text{Log}[2,\,1],\ 3\,(8+\text{mod}[2,\,1]),\ 3\times 8+\text{mod}[2,\,1],$$
$$3\times 8^{2-1},\ (3\times 8)^{2-1},\ 3\,\text{root}[8,\,2-1],\ \text{root}[3\times 8,\,2-1],\ (3\times 8)\,(2-1),\ 3\,(8\,(2-1)),$$
$$3\,(8-\text{Log}[2,\,1]),\ 3\,(8-\text{mod}[2,\,1]),\ 3\times 8-\text{Log}[2,\,1],\ 3\times 8-\text{mod}[2,\,1],\ \frac{8}{\text{mod}[1,\,2]}\,3,\ \frac{8}{1^2}\,3,$$
$$\frac{8}{\text{root}[1,\,2]}\,3,\ (8\,\text{mod}[1,\,2])\,3,\ \left(8\times 1^2\right)\,3,\ 8^{\text{mod}[1,2]}\,3,\ 8^{1^2}\,3,\ 8^{\text{root}[1,2]}\,3,\ (8\,\text{root}[1,\,2])\,3,$$
$$\text{root}[8,\,\text{mod}[1,\,2]]\,3,\ \text{root}\left[8,\,1^2\right]\,3,\ \text{root}[8,\,\text{root}[1,\,2]]\,3,\ 8\,(\text{mod}[1,\,2]\,3),\ 8\,\left(1^2\,3\right),$$
$$8\,(\text{root}[1,\,2]\,3),\ \frac{8}{\frac{\text{mod}[1,2]}{3}},\ \frac{8}{\frac{1^2}{3}},\ \frac{8}{\frac{\text{root}[1,2]}{3}},\ \frac{8}{1-\frac{2}{3}},\ 8\,(1+\text{mod}[2,\,3]),\ ((8+1)+3)\,2,$$
$$(8+(1+3))\,2,\ 8\,(\text{mod}[1,\,3]+2),\ 8\,\left(1^3+2\right),\ 8\,(\text{root}[1,\,3]+2),\ 8+(1+3)^2,\ \frac{8}{2-1}\,3,$$
$$(8+\text{Log}[2,\,1])\,3,\ (8+\text{mod}[2,\,1])\,3,\ 8^{2-1}\,3,\ \text{root}[8,\,2-1]\,3,\ (8\,(2-1))\,3,\ (8-\text{Log}[2,\,1])\,3,$$
$$(8-\text{mod}[2,\,1])\,3,\ 8\,((2-1)\,3),\ (8-2)\,(1+3),\ 8\,(\text{Log}[2,\,1]+3),\ 8\,(\text{mod}[2,\,1]+3),\ \frac{8}{\frac{2-1}{3}},$$
$$8\,(2+\text{mod}[1,\,3]),\ 8\,\left(2+1^3\right),\ 8+2^{1+3},\ 8\,(2+\text{root}[1,\,3]),\ (8-2)\,(3+1),\ 8\,(\text{mod}[2,\,3]+1),$$
$$8+2^{3+1},\ ((8+3)+1)\,2,\ (8+(3+1))\,2,\ 8\,\frac{3}{\text{mod}[1,\,2]},\ 8\,\frac{3}{1^2},\ 8\,\frac{3}{\text{root}[1,\,2]},\ \frac{8}{3^{1-2}},$$
$$\frac{8}{\text{root}[3,\,1-2]},\ \frac{8\times 3}{\text{mod}[1,\,2]},\ \frac{8\times 3}{1^2},\ \frac{8\times 3}{\text{root}[1,\,2]},\ (8\times 3)\,\text{mod}[1,\,2],\ 8\,(3\,\text{mod}[1,\,2]),\ (8\times 3)\,1^2,$$
$$8\,\left(3\times 1^2\right),\ 8\times 3^{\text{mod}[1,2]},\ 8\times 3^{1^2},\ 8\times 3^{\text{root}[1,2]},\ (8\times 3)^{\text{mod}[1,2]},\ (8\times 3)^{1^2},\ (8\times 3)^{\text{root}[1,2]},$$
$$8+(3+1)^2,\ (8\times 3)\,\text{root}[1,\,2],\ 8\,(3\,\text{root}[1,\,2]),\ 8\,\text{root}[3,\,\text{mod}[1,\,2]],\ 8\,\text{root}\left[3,\,1^2\right],$$
$$8\,\text{root}[3,\,\text{root}[1,\,2]],\ \text{root}[8\times 3,\,\text{mod}[1,\,2]],\ \text{root}\left[8\times 3,\,1^2\right],\ \text{root}[8\times 3,\,\text{root}[1,\,2]],$$
$$8\,\frac{3}{2-1},\ \frac{8\times 3}{2-1},\ 8\,(3+\text{Log}[2,\,1]),\ 8\times 3+\text{Log}[2,\,1],\ 8\,(3+\text{mod}[2,\,1]),\ 8\times 3+\text{mod}[2,\,1],$$
$$8\times 3^{2-1},\ (8\times 3)^{2-1},\ 8\,\text{root}[3,\,2-1],\ \text{root}[8\times 3,\,2-1],\ (8\times 3)\,(2-1),\ 8\,(3\,(2-1)),$$
$$8\,(3-\text{Log}[2,\,1]),\ 8\,(3-\text{mod}[2,\,1]),\ 8\times 3-\text{Log}[2,\,1],\ 8\times 3-\text{mod}[2,\,1],\ (8-3)^2-1\Big\}\Big\},$$
$$\Big\{\{1,\,2,\,3,\,9\},\ \Big\{2\,(3+9),\ 2\,(3+9),\ ((1-2)+9)\,3,\ (1-(2-9))\,3,\ 2\,(9+3),\ 2\,(9+3),$$
$$(1+2)\,9-3,\ (3+9)\,2,\ (1\times 3+9)\,2,\ (3+9)\,2,\ (1+(9-2))\,3,\ ((1+9)-2)\,3,\ (9+3)\,2,$$
$$(1\times 9+3)\,2,\ (9+3)\,2,\ 2\,(3+9),\ \frac{2}{1}\,(3+9),\ 2^1\,(3+9),\ \text{root}[2,\,1]\,(3+9),\ 2\,(3+9),$$
$$2\,(1\times 3+9),\ \frac{2}{\frac{1}{3+9}},\ 2\,(9+3),\ \frac{2}{1}\,(9+3),\ 2^1\,(9+3),\ \text{root}[2,\,1]\,(9+3),\ 2\,(9+3),\ 2\,(1\times 9+3),$$
$$\frac{2}{\frac{1}{9+3}},\ (2+1)\,9-3,\ 2\,(3\times 1+9),\ 2\,\left(\frac{3}{1}+9\right),\ 2\,\left(3^1+9\right),\ 2\,(\text{root}[3,\,1]+9),\ 2\,(3+1\times 9),$$
$$2\,(3+9),\ 2\,(3+9),\ 2\,(3+9\times 1),\ 2\,\left(3+\frac{9}{1}\right),\ 2\,\frac{3+9}{1},\ \frac{2\,(3+9)}{1},\ 2\,\left(3+9^1\right),\ 2\,(3+9)^1,$$
$$(2\,(3+9))^1,\ 2\,(3+\text{root}[9,\,1]),\ 2\,\text{root}[3+9,\,1],\ \text{root}[2\,(3+9),\,1],\ 2\,(9\times 1+3),$$

$$2\left(\frac{9}{1}+3\right),\ 2\left(9^1+3\right),\ 2\ (\text{root}[9,\ 1]+3),\ 2\ (9+1\times 3),\ 2\ (9+3),\ 2\ (9+3),\ 2\ (9+3\times 1),$$

$$2\left(9+\frac{3}{1}\right),\ 2\ \frac{9+3}{1},\ \frac{2\ (9+3)}{1},\ 2\left(9+3^1\right),\ 2\ (9+3)^1,\ (2\ (9+3))^1,\ 2\ (9+\text{root}[3,\ 1]),$$

$$2\ \text{root}[9+3,\ 1],\ \text{root}[2\ (9+3),\ 1],\ 3\ ((1-2)+9),\ 3\ (1-(2-9)),\ (3\times 1+9)\ 2,\ \left(\frac{3}{1}+9\right)\ 2,$$

$$\left(3^1+9\right)\ 2,\ (\text{root}[3,\ 1]+9)\ 2,\ (3+1\times 9)\ 2,\ 3\ (1+(9-2)),\ 3\ ((1+9)-2),\ (3+9)\ 2,$$

$$(3+9\times 1)\ 2,\ \left(3+\frac{9}{1}\right)\ 2,\ \frac{3+9}{1}\ 2,\ \left(3+9^1\right)\ 2,\ (3+9)^1\ 2,\ (3+\text{root}[9,\ 1])\ 2,\ \text{root}[3+9,\ 1]\ 2,$$

$$(3+9)\ 2,\ \frac{3+9}{\frac{1}{2}},\ 3\ (9+(1-2)),\ 3\ (9-\text{mod}[1,\ 2]),\ 3\left(9-1^2\right),\ 3\ (9-\text{root}[1,\ 2]),$$

$$3\times 9-(1+2),\ 3\ ((9+1)-2),\ (3\times 9-1)-2,\ (3+9)\ 2,\ (3+9)\ 2,\ 3\ ((9-2)+1),\ (3+9)\ \frac{2}{1},$$

$$\frac{(3+9)\ 2}{1},\ (3+9)\ 2^1,\ ((3+9)\ 2)^1,\ (3+9)\ \text{root}[2,\ 1],\ \text{root}[(3+9)\ 2,\ 1],\ 3\ (9-(2-1)),$$

$$3\times 9-(2+1),\ (3\times 9-2)-1,\ (9+(1-2))\ 3,\ (9-\text{mod}[1,\ 2])\ 3,\ \left(9-1^2\right)\ 3,\ (9-\text{root}[1,\ 2])\ 3,$$

$$((9+1)-2)\ 3,\ 9\ (1+2)-3,\ (9\times 1+3)\ 2,\ \left(\frac{9}{1}+3\right)\ 2,\ \left(9^1+3\right)\ 2,\ (\text{root}[9,\ 1]+3)\ 2,$$

$$(9+1\times 3)\ 2,\ ((9-2)+1)\ 3,\ (9-(2-1))\ 3,\ 9\ (2+1)-3,\ (9+3)\ 2,\ (9+3\times 1)\ 2,$$

$$\left(9+\frac{3}{1}\right)\ 2,\ \frac{9+3}{1}\ 2,\ \left(9+3^1\right)\ 2,\ (9+3)^1\ 2,\ (9+\text{root}[3,\ 1])\ 2,\ \text{root}[9+3,\ 1]\ 2,\ (9+3)\ 2,$$

$$\frac{9+3}{\frac{1}{2}},\ 9\times 3-(1+2),\ (9\times 3-1)-2,\ (9+3)\ 2,\ (9+3)\ 2,\ (9+3)\ \frac{2}{1},\ \frac{(9+3)\ 2}{1},\ (9+3)\ 2^1,$$

$$((9+3)\ 2)^1,\ (9+3)\ \text{root}[2,\ 1],\ \text{root}[(9+3)\ 2,\ 1],\ 9\times 3-(2+1),\ (9\times 3-2)-1\Big\}\Big\},$$

$$\Big\{\{1,\ 2,\ 3,\ 10\},\ \Big\{(1+2\times 10)+3,\ 1+(2\times 10+3),\ (1+3)+2\times 10,\ 1+(3+2\times 10),\ (1+3)+10\times 2,$$

$$1+(3+10\times 2),\ 3\ (10-2),\ 3\ (10-2),\ (10-2)\ 3,\ (1\times 10-2)\ 3,\ (10-2)\ 3,\ (1+10\times 2)+3,$$

$$1+(10\times 2+3),\ 2\ ((3-1)+10),\ 2\ (3-(1-10)),\ 2\ (3+(10-1)),\ 2\ ((3+10)-1),$$

$$(2\times 10+1)+3,\ 2\ ((10-1)+3),\ 2\times 10+(1+3),\ 2\ (10-(1-3)),\ (2\times 10+3)+1,\ 2\times 10+(3+1),$$

$$(2+10)\ (3-1),\ 2\ (10+(3-1)),\ 2\ ((10+3)-1),\ (3-1)\ (2+10),\ (3+1)+2\times 10,$$

$$3+(1+2\times 10),\ ((3-1)+10)\ 2,\ (3-(1-10))\ 2,\ (3-1)\ (10+2),\ (3+1)+10\times 2,\ 3+(1+10\times 2),$$

$$\frac{3}{\frac{1}{10-2}},\ 3\ (10-2),\ \frac{3}{1}\ (10-2),\ 3^1\ (10-2),\ \text{root}[3,\ 1]\ (10-2),\ 3\ (10-2),\ 3\ (1\times 10-2),$$

$$(3+2\times 10)+1,\ 3+(2\times 10+1),\ (3+(10-1))\ 2,\ ((3+10)-1)\ 2,\ 3\ (10-1\times 2),\ 3\ (10\times 1-2),$$

$$3\left(\frac{10}{1}-2\right),\ 3\left(10^1-2\right),\ 3\ (\text{root}[10,\ 1]-2),\ 3\ (10-2),\ 3\ (10-2),\ (3+10\times 2)+1,$$

$$3+(10\times 2+1),\ 3\ \frac{10-2}{1},\ \frac{3\ (10-2)}{1},\ 3\ (10-2)^1,\ (3\ (10-2))^1,\ 3\ \text{root}[10-2,\ 1],$$

$$\text{root}[3\ (10-2),\ 1],\ 3\ (10-2\times 1),\ 3\left(10-\frac{2}{1}\right),\ 3\left(10-2^1\right),\ 3\ (10-\text{root}[2,\ 1]),\ (10-1\times 2)\ 3,$$

$$(10\times 1-2)\ 3,\ \left(\frac{10}{1}-2\right)\ 3,\ \left(10^1-2\right)\ 3,\ (\text{root}[10,\ 1]-2)\ 3,\ ((10-1)+3)\ 2,\ (10-(1-3))\ 2,$$

$$(10-2)\ 3,\ \frac{10-2}{1}\ 3,\ (10-2)^1\ 3,\ \text{root}[10-2,\ 1]\ 3,\ (10-2\times 1)\ 3,\ \left(10-\frac{2}{1}\right)\ 3,\ \left(10-2^1\right)\ 3,$$

$$(10 - \text{root}[2, 1])\ 3,\ (10 - 2)\ 3,\ (10 \times 2 + 1) + 3,\ 10 \times 2 + (1 + 3),\ \frac{10 - 2}{\frac{1}{3}},\ (10 - 2)\ 3,$$

$$(10 - 2)\ 3,\ (10 \times 2 + 3) + 1,\ 10 \times 2 + (3 + 1),\ (10 - 2)\ \frac{3}{1},\ \frac{(10 - 2)\ 3}{1},\ (10 - 2)\ 3^1,\ ((10 - 2)\ 3)^1,$$

$$(10 - 2)\ \text{root}[3, 1],\ \text{root}[(10 - 2)\ 3, 1],\ (10 + 2)\ (3 - 1),\ (10 + (3 - 1))\ 2,\ ((10 + 3) - 1)\ 2\Big\}\Big\},$$

$$\Big\{\{1, 2, 4, 4\},\ \Big\{(2 + 4)\ 4,\ (1 \times 2 + 4)\ 4,\ (2 + 4)\ 4,\ (1 + 2)\ (4 + 4),\ (4 + 2)\ 4,\ (1 \times 4 + 2)\ 4,$$

$$(4 + 2)\ 4,\ 4\ (2 + 4),\ 4\ (2 + 4),\ 4\ (4 + 2),\ 4\ (4 + 2),\ (2 \times 1 + 4)\ 4,\ \left(\frac{2}{1} + 4\right)\ 4,\ \left(2^1 + 4\right)\ 4,$$

$$(\text{root}[2, 1] + 4)\ 4,\ (2 + 1 \times 4)\ 4,\ (2 + 1)\ (4 + 4),\ (2 + 4)\ 4,\ (2 + 4 \times 1)\ 4,\ \left(2 + \frac{4}{1}\right)\ 4,\ \frac{2 + 4}{1}\ 4,$$

$$\left(2 + 4^1\right)\ 4,\ (2 + 4)^1\ 4,\ (2 + \text{root}[4, 1])\ 4,\ \text{root}[2 + 4, 1]\ 4,\ (2\ (4 - 1))\ 4,\ (2 + 4)\ 4,$$

$$2\ ((4 - 1)\ 4),\ \frac{2 + 4}{\frac{1}{4}},\ (2 + 4)\ 4,\ (2 + 4)\ 4,\ (2 + 4)\ \frac{4}{1},\ \frac{(2 + 4)\ 4}{1},\ (2 + 4)\ 4^1,\ ((2 + 4)\ 4)^1,$$

$$(2 + 4)\ \text{root}[4, 1],\ \text{root}[(2 + 4)\ 4, 1],\ (2 \times 4)\ (4 - 1),\ 2\ (4\ (4 - 1)),\ ((4 - 1)\ 2)\ 4,$$

$$(4 \times 1 + 2)\ 4,\ \left(\frac{4}{1} + 2\right)\ 4,\ \left(4^1 + 2\right)\ 4,\ (\text{root}[4, 1] + 2)\ 4,\ (4 + 1 \times 2)\ 4,\ (4 - 1)\ (2 \times 4),\ 4\ (2 + 4),$$

$$\frac{4}{1}\ (2 + 4),\ 4^1\ (2 + 4),\ \text{root}[4, 1]\ (2 + 4),\ 4\ (2 + 4),\ 4\ (1 \times 2 + 4),\ \frac{4}{\frac{1}{2+4}},\ ((4 - 1)\ 4)\ 2,$$

$$(4 - 1)\ (4 \times 2),\ 4\ (4 + 2),\ \frac{4}{1}\ (4 + 2),\ 4^1\ (4 + 2),\ \text{root}[4, 1]\ (4 + 2),\ 4\ (4 + 2),\ 4\ (1 \times 4 + 2),$$

$$\frac{4}{\frac{1}{4+2}},\ (4 + 2)\ 4,\ (4 + 2 \times 1)\ 4,\ \left(4 + \frac{2}{1}\right)\ 4,\ \frac{4 + 2}{1}\ 4,\ \left(4 + 2^1\right)\ 4,\ (4 + 2)^1\ 4,\ (4 + \text{root}[2, 1])\ 4,$$

$$\text{root}[4 + 2, 1]\ 4,\ (4 + 2)\ 4,\ 4\ (2 \times 1 + 4),\ 4\ \left(\frac{2}{1} + 4\right),\ 4\ \left(2^1 + 4\right),\ 4\ (\text{root}[2, 1] + 4),$$

$$4\ (2 + 1 \times 4),\ \frac{4 + 2}{\frac{1}{4}},\ (4 + 2)\ 4,\ 4\ (2 + 4),\ (4 + 2)\ 4,\ 4\ (2 + 4),\ 4\ (2 + 4 \times 1),\ (4 + 2)\ \frac{4}{1},$$

$$4\ \left(2 + \frac{4}{1}\right),\ \frac{(4 + 2)\ 4}{1},\ 4\ \frac{2 + 4}{1},\ \frac{4\ (2 + 4)}{1},\ (4 + 2)\ 4^1,\ 4\ \left(2 + 4^1\right),\ ((4 + 2)\ 4)^1,\ 4\ (2 + 4)^1,$$

$$(4\ (2 + 4))^1,\ (4 + 2)\ \text{root}[4, 1],\ 4\ (2 + \text{root}[4, 1]),\ \text{root}[(4 + 2)\ 4, 1],\ 4\ \text{root}[2 + 4, 1],$$

$$\text{root}[4\ (2 + 4), 1],\ (4 \times 2)\ (4 - 1),\ 4\ (2\ (4 - 1)),\ (4\ (4 - 1))\ 2,\ 4\ ((4 - 1)\ 2),$$

$$(4 + 4)\ (1 + 2),\ 4\ (4 \times 1 + 2),\ 4\ \left(\frac{4}{1} + 2\right),\ 4\ \left(4^1 + 2\right),\ 4\ (\text{root}[4, 1] + 2),\ 4\ (4 + 1 \times 2),$$

$$4\ (4 + 2),\ 4\ (4 + 2),\ (4 + 4)\ (2 + 1),\ 4\ (4 + 2 \times 1),\ 4\ \left(4 + \frac{2}{1}\right),\ 4\ \frac{4 + 2}{1},\ \frac{4\ (4 + 2)}{1},\ 4\ \left(4 + 2^1\right),$$

$$4\ (4 + 2)^1,\ (4\ (4 + 2))^1,\ 4\ (4 + \text{root}[2, 1]),\ 4\ \text{root}[4 + 2, 1],\ \text{root}[4\ (4 + 2), 1]\Big\}\Big\},$$

$$\Big\{\{1, 2, 4, 5\},\ \Big\{(\text{mod}[1, 2] + 5)\ 4,\ \left(1^2 + 5\right)\ 4,\ (\text{root}[1, 2] + 5)\ 4,\ ((2 - 1) + 5)\ 4,\ (2 - (1 - 5))\ 4,$$

$$(2 + 4)\ (5 - 1),\ (2 + (5 - 1))\ 4,\ ((2 + 5) - 1)\ 4,\ 4\ (\text{mod}[1, 2] + 5),\ 4\ \left(1^2 + 5\right),\ 4\ (\text{root}[1, 2] + 5),$$

$$4\ ((2 - 1) + 5),\ 4\ (2 - (1 - 5)),\ (4 + 2)\ (5 - 1),\ 4\ (2 + (5 - 1)),\ 4\ ((2 + 5) - 1),\ 4\ ((5 - 1) + 2),$$

$$4\ (5 + \text{mod}[1, 2]),\ 4\ \left(5 + 1^2\right),\ 4\ (5 + \text{root}[1, 2]),\ 4\ (5 - (1 - 2)),\ 4\ (5 + (2 - 1)),\ 4\ ((5 + 2) - 1),$$

$$((5 - 1) + 2)\ 4,\ (5 + \text{mod}[1, 2])\ 4,\ \left(5 + 1^2\right)\ 4,\ (5 + \text{root}[1, 2])\ 4,\ (5 - (1 - 2))\ 4,\ (5 - 1)\ (2 + 4),$$

$$(5 - 1)\ (4 + 2),\ (5 + (2 - 1))\ 4,\ ((5 + 2) - 1)\ 4,\ 5^2 - \text{mod}[1, 4],\ 5^2 - 1^4,\ 5^2 - \text{root}[1, 4],$$

$$5^{\text{Log}[2,4]} - 1,\ 5^{\text{mod}[2,4]} - 1,\ \text{root}[5, 2]^4 - 1,\ 5^{\frac{4}{2}} - 1,\ 5^{\text{root}[4,2]} - 1,\ 5^{4-2} - 1,\ \text{root}\left[5^4, 2\right] - 1\Big\}\Big\},$$

$$\Big\{\{1, 2, 4, 6\}, \Big\{(\text{mod}[1, 2]\ 4)\ 6,\ \left(1^2\ 4\right)\ 6,\ (\text{root}[1, 2]\ 4)\ 6,\ \text{mod}[1, 2]\ (4 \times 6),\ 1^2\ (4 \times 6),$$
$$\text{root}[1, 2]\ (4 \times 6),\ (\text{mod}[1, 2]\ 6)\ 4,\ \left(1^2\ 6\right)\ 4,\ (\text{root}[1, 2]\ 6)\ 4,\ \text{mod}[1, 2]\ (6 \times 4),\ 1^2\ (6 \times 4),$$
$$\text{root}[1, 2]\ (6 \times 4),\ ((2 - 1)\ 4)\ 6,\ (\text{Log}[2, 1] + 4)\ 6,\ (\text{mod}[2, 1] + 4)\ 6,\ (2 - 1)\ (4 \times 6),$$
$$\text{Log}[2, 1] + 4 \times 6,\ \text{mod}[2, 1] + 4 \times 6,\ ((2 - 1)\ 6)\ 4,\ (\text{Log}[2, 1] + 6)\ 4,\ (\text{mod}[2, 1] + 6)\ 4,$$
$$(2 - 1)\ (6 \times 4),\ \text{Log}[2, 1] + 6 \times 4,\ \text{mod}[2, 1] + 6 \times 4,\ (2 + 6)\ (4 - 1),\ \frac{4}{\text{mod}[1, 2]}\ 6,\ \frac{4}{1^2}\ 6,$$
$$\frac{4}{\text{root}[1, 2]}\ 6,\ (4\ \text{mod}[1, 2])\ 6,\ \left(4 \times 1^2\right)\ 6,\ 4^{\text{mod}[1,2]}\ 6,\ 4^{1^2}\ 6,\ 4^{\text{root}[1,2]}\ 6,\ (4\ \text{root}[1, 2])\ 6,$$
$$\text{root}[4, \text{mod}[1, 2]]\ 6,\ \text{root}\left[4, 1^2\right]\ 6,\ \text{root}[4, \text{root}[1, 2]]\ 6,\ 4\ (\text{mod}[1, 2]\ 6),\ 4\ \left(1^2\ 6\right),$$
$$4\ (\text{root}[1, 2]\ 6),\ (4 - 1)\ (2 + 6),\ \frac{4}{\frac{\text{mod}[1,2]}{6}},\ \frac{4}{\frac{1^2}{6}},\ \frac{4}{\frac{\text{root}[1,2]}{6}},\ (4 - 1)\ (6 + 2),\ \frac{4}{2 - 1}\ 6,$$
$$(4 + \text{Log}[2, 1])\ 6,\ (4 + \text{mod}[2, 1])\ 6,\ 4^{2-1}\ 6,\ \text{root}[4, 2 - 1]\ 6,\ (4\ (2 - 1))\ 6,\ (4 - \text{Log}[2, 1])\ 6,$$
$$(4 - \text{mod}[2, 1])\ 6,\ 4\ ((2 - 1)\ 6),\ 4\ (\text{Log}[2, 1] + 6),\ 4\ (\text{mod}[2, 1] + 6),\ \frac{4}{\frac{2-1}{6}},\ \frac{4}{6^{1-2}},\ \frac{4}{\text{root}[6, 1 - 2]},$$
$$4\ \frac{6}{\text{mod}[1, 2]},\ 4\ \frac{6}{1^2},\ 4\ \frac{6}{\text{root}[1, 2]},\ \frac{4 \times 6}{\text{mod}[1, 2]},\ \frac{4 \times 6}{1^2},\ \frac{4 \times 6}{\text{root}[1, 2]},\ (4 \times 6)\ \text{mod}[1, 2],$$
$$4\ (6\ \text{mod}[1, 2]),\ (4 \times 6)\ 1^2,\ 4\ \left(6 \times 1^2\right),\ 4 \times 6^{\text{mod}[1,2]},\ 4 \times 6^{1^2},\ 4 \times 6^{\text{root}[1,2]},\ (4 \times 6)^{\text{mod}[1,2]},\ (4 \times 6)^{1^2},$$
$$(4 \times 6)^{\text{root}[1,2]},\ (4 \times 6)\ \text{root}[1, 2],\ 4\ (6\ \text{root}[1, 2]),\ 4\ \text{root}[6, \text{mod}[1, 2]],\ 4\ \text{root}\left[6, 1^2\right],$$
$$4\ \text{root}[6, \text{root}[1, 2]],\ \text{root}[4 \times 6, \text{mod}[1, 2]],\ \text{root}\left[4 \times 6, 1^2\right],\ \text{root}[4 \times 6, \text{root}[1, 2]],$$
$$4\ \frac{6}{2 - 1},\ \frac{4 \times 6}{2 - 1},\ 4\ (6 + \text{Log}[2, 1]),\ 4 \times 6 + \text{Log}[2, 1],\ 4\ (6 + \text{mod}[2, 1]),\ 4 \times 6 + \text{mod}[2, 1],$$
$$4 \times 6^{2-1},\ (4 \times 6)^{2-1},\ 4\ \text{root}[6, 2 - 1],\ \text{root}[4 \times 6, 2 - 1],\ (4 \times 6)\ (2 - 1),\ 4\ (6\ (2 - 1)),$$
$$4\ (6 - \text{Log}[2, 1]),\ 4\ (6 - \text{mod}[2, 1]),\ 4 \times 6 - \text{Log}[2, 1],\ 4 \times 6 - \text{mod}[2, 1],\ \frac{6}{\text{mod}[1, 2]}\ 4,\ \frac{6}{1^2}\ 4,$$
$$\frac{6}{\text{root}[1, 2]}\ 4,\ (6\ \text{mod}[1, 2])\ 4,\ \left(6 \times 1^2\right)\ 4,\ 6^{\text{mod}[1,2]}\ 4,\ 6^{1^2}\ 4,\ 6^{\text{root}[1,2]}\ 4,\ (6\ \text{root}[1, 2])\ 4,$$
$$\text{root}[6, \text{mod}[1, 2]]\ 4,\ \text{root}\left[6, 1^2\right]\ 4,\ \text{root}[6, \text{root}[1, 2]]\ 4,\ 6\ (\text{mod}[1, 2]\ 4),\ 6\ \left(1^2\ 4\right),$$
$$6\ (\text{root}[1, 2]\ 4),\ \frac{6}{\frac{\text{mod}[1,2]}{4}},\ \frac{6}{\frac{1^2}{4}},\ \frac{6}{\frac{\text{root}[1,2]}{4}},\ \frac{6}{2 - 1}\ 4,\ (6 + \text{Log}[2, 1])\ 4,\ (6 + \text{mod}[2, 1])\ 4,$$
$$6^{2-1}\ 4,\ \text{root}[6, 2 - 1]\ 4,\ (6\ (2 - 1))\ 4,\ (6 - \text{Log}[2, 1])\ 4,\ (6 - \text{mod}[2, 1])\ 4,\ 6\ ((2 - 1)\ 4),$$
$$6\ (\text{Log}[2, 1] + 4),\ 6\ (\text{mod}[2, 1] + 4),\ \frac{6}{\frac{2-1}{4}},\ (6 + 2)\ (4 - 1),\ 6\ \frac{4}{\text{mod}[1, 2]},\ 6\ \frac{4}{1^2},$$
$$6\ \frac{4}{\text{root}[1, 2]},\ \frac{6}{4^{1-2}},\ \frac{6}{\text{root}[4, 1 - 2]},\ \frac{6 \times 4}{\text{mod}[1, 2]},\ \frac{6 \times 4}{1^2},\ \frac{6 \times 4}{\text{root}[1, 2]},\ (6 \times 4)\ \text{mod}[1, 2],$$
$$6\ (4\ \text{mod}[1, 2]),\ (6 \times 4)\ 1^2,\ 6\ \left(4 \times 1^2\right),\ 6 \times 4^{\text{mod}[1,2]},\ 6 \times 4^{1^2},\ 6 \times 4^{\text{root}[1,2]},\ (6 \times 4)^{\text{mod}[1,2]},$$
$$(6 \times 4)^{1^2},\ (6 \times 4)^{\text{root}[1,2]},\ (6 \times 4)\ \text{root}[1, 2],\ 6\ (4\ \text{root}[1, 2]),\ 6\ \text{root}[4, \text{mod}[1, 2]],$$
$$6\ \text{root}\left[4, 1^2\right],\ 6\ \text{root}[4, \text{root}[1, 2]],\ \text{root}[6 \times 4, \text{mod}[1, 2]],\ \text{root}\left[6 \times 4, 1^2\right],$$
$$\text{root}[6 \times 4, \text{root}[1, 2]],\ 6\ \frac{4}{2 - 1},\ \frac{6 \times 4}{2 - 1},\ 6\ (4 + \text{Log}[2, 1]),\ 6 \times 4 + \text{Log}[2, 1],\ 6\ (4 + \text{mod}[2, 1]),$$
$$6 \times 4 + \text{mod}[2, 1],\ 6 \times 4^{2-1},\ (6 \times 4)^{2-1},\ 6\ \text{root}[4, 2 - 1],\ \text{root}[6 \times 4, 2 - 1],\ (6 \times 4)\ (2 - 1),$$
$$6\ (4\ (2 - 1)),\ 6\ (4 - \text{Log}[2, 1]),\ 6\ (4 - \text{mod}[2, 1]),\ 6 \times 4 - \text{Log}[2, 1],\ 6 \times 4 - \text{mod}[2, 1]\Big\}\Big\},$$
$$\Big\{\{1, 2, 4, 7\}, \Big\{\left(1 + 2^4\right) + 7,\ 1 + \left(2^4 + 7\right),\ ((1 - 2) + 7)\ 4,\ (1 - (2 - 7))\ 4,\ \left(1 + 4^2\right) + 7,$$
$$1 + \left(4^2 + 7\right),\ ((1 + 4) + 7)\ 2,\ (1 + (4 + 7))\ 2,\ (1 + (7 - 2))\ 4,\ ((1 + 7) - 2)\ 4,\ (1 + 7) + 2^4,$$

$$1+\left(7+2^4\right),\ ((1+7)+4)\ 2,\ (1+(7+4))\ 2,\ (1+7)+4^2,\ 1+\left(7+4^2\right),\ 2\ ((1+4)+7),$$
$$2\ (1+(4+7)),\ 2\ ((1+7)+4),\ 2\ (1+(7+4)),\ 2\ ((4+1)+7),\ \left(2^4+1\right)+7,\ 2\ (4+(1+7)),$$
$$2^4+(1+7),\ 2\ ((4+7)+1),\ \left(2^4+7\right)+1,\ 2\ (4+(7+1)),\ 2^4+(7+1),\ 2\ ((7+1)+4),$$
$$2\ (7+(1+4)),\ 2\ ((7+4)+1),\ 2\ (7+(4+1)),\ 4\ ((1-2)+7),\ 4\ (1-(2-7)),\ ((4+1)+7)\ 2,$$
$$(4+(1+7))\ 2,\ 4\ (1+(7-2)),\ 4\ ((1+7)-2),\ \left(4^2+1\right)+7,\ 4^2+(1+7),\ \left(4^2+7\right)+1,$$
$$4^2+(7+1),\ ((4+7)+1)\ 2,\ (4+(7+1))\ 2,\ 4\ (7+(1-2)),\ 4\ (7-\text{mod}[1,\ 2]),\ 4\ \left(7-1^2\right),$$
$$4\ (7-\text{root}[1,\ 2]),\ 4\ ((7+1)-2),\ 4\ ((7-2)+1),\ 4\ (7-(2-1)),\ (7+(1-2))\ 4,$$
$$(7-\text{mod}[1,\ 2])\ 4,\ \left(7-1^2\right)\ 4,\ (7-\text{root}[1,\ 2])\ 4,\ ((7+1)-2)\ 4,\ (7+1)+2^4,\ 7+\left(1+2^4\right),$$
$$((7+1)+4)\ 2,\ (7+(1+4))\ 2,\ (7+1)+4^2,\ 7+\left(1+4^2\right),\ ((7-2)+1)\ 4,\ (7-(2-1))\ 4,$$
$$\left(7+2^4\right)+1,\ 7+\left(2^4+1\right),\ ((7+4)+1)\ 2,\ (7+(4+1))\ 2,\ \left(7+4^2\right)+1,\ 7+\left(4^2+1\right)\}\},$$
$$\{\{1,\ 2,\ 4,\ 8\},\ \{((1-2)+4)\ 8,\ (1+\text{Log}[2,\ 4])\ 8,\ (1+\text{mod}[2,\ 4])\ 8,\ \text{mod}[1+2,\ 4]\ 8,$$
$$(1-(2-4))\ 8,\ 2\ (4+8),\ 2\ (4+8),\ 1\ \left(2^4+8\right),\ 1\times 2^4+8,\ (1\times 2)^4+8,\ 2\ (8+4),\ 2\ (8+4),$$
$$(\text{mod}[1,\ 4]+2)\ 8,\ \left(1^4+2\right)\ 8,\ (\text{root}[1,\ 4]+2)\ 8,\ \left(1+\frac{4}{2}\right)\ 8,\ (1+\text{root}[4,\ 2])\ 8,$$
$$(1+(4-2))\ 8,\ ((1+4)-2)\ 8,\ 1\ \left(4^2+8\right),\ 1\times 4^2+8,\ (1\times 4)^2+8,\ (4+8)\ 2,\ (1\times 4+8)\ 2,$$
$$(4+8)\ 2,\ 4\ (8-2),\ 4\ (8-2),\ (8-2)\ 4,\ (1\times 8-2)\ 4,\ (8-2)\ 4,\ 1\ \left(8+2^4\right),\ 1\times 8+2^4,$$
$$(8+4)\ 2,\ (1\times 8+4)\ 2,\ (8+4)\ 2,\ 1\ \left(8+4^2\right),\ 1\times 8+4^2,\ (2+\text{mod}[1,\ 4])\ 8,\ \text{mod}[2+1,\ 4]\ 8,$$
$$\left(2+1^4\right)\ 8,\ (2+\text{root}[1,\ 4])\ 8,\ 2\ (4+8),\ \frac{2}{1}\ (4+8),\ 2^1\ (4+8),\ \text{root}[2,\ 1]\ (4+8),$$
$$2\ (4+8),\ 2\ (1\times 4+8),\ 2^{1\times 4}+8,\ (2\times 1)^4+8,\ \left(\frac{2}{1}\right)^4+8,\ \left(2^1\right)^4+8,\ \text{root}[2,\ 1]^4+8,\ \frac{2}{\frac{1}{4+8}},$$
$$2^{1+4}-8,\ 2\ (8+4),\ \frac{2}{1}\ (8+4),\ 2^1\ (8+4),\ \text{root}[2,\ 1]\ (8+4),\ 2\ (8+4),\ 2\ (1\times 8+4),\ \frac{2}{\frac{1}{8+4}},$$
$$(\text{Log}[2,\ 4]+1)\ 8,\ (\text{mod}[2,\ 4]+1)\ 8,\ 2\ (4\times 1+8),\ 2^4\ 1+8,\ 2\ \left(\frac{4}{1}+8\right),\ \frac{2^4}{1}+8,\ 2^{4\times 1}+8,$$
$$2^{\frac{4}{1}}+8,\ 2^{4^1}+8,\ 2^{\text{root}[4,1]}+8,\ 2\ \left(4^1+8\right),\ \left(2^4\right)^1+8,\ 2\ (\text{root}[4,\ 1]+8),\ \text{root}\left[2^4,\ 1\right]+8,$$
$$2\ (4+1\times 8),\ 2^4+1\times 8,\ 2^{4+1}-8,\ 2\ (4+8),\ \left(2^4+8\right)\ 1,\ 2\ (4+8),\ 2\ (4+8\times 1),\ 2^4+8\times 1,$$
$$2\ \left(4+\frac{8}{1}\right),\ 2^4+\frac{8}{1},\ 2\ \frac{4+8}{1},\ \frac{2\ (4+8)}{1},\ \frac{2^4+8}{1},\ 2\ \left(4+8^1\right),\ 2^4+8^1,\ 2\ (4+8)^1,\ (2\ (4+8))^1,$$
$$\left(2^4+8\right)^1,\ 2\ (4+\text{root}[8,\ 1]),\ 2^4+\text{root}[8,\ 1],\ 2\ \text{root}[4+8,\ 1],\ \text{root}[2\ (4+8),\ 1],$$
$$\text{root}\left[2^4+8,\ 1\right],\ 2\ (8\times 1+4),\ 2\ \left(\frac{8}{1}+4\right),\ 2\ \left(8^1+4\right),\ 2\ (\text{root}[8,\ 1]+4),\ 2\ (8+1\times 4),\ 2\ (8+4),$$
$$2\ (8+4),\ 2\ (8+4\times 1),\ 2\ \left(8+\frac{4}{1}\right),\ 2\ \frac{8+4}{1},\ \frac{2\ (8+4)}{1},\ 2\ \left(8+4^1\right),\ 2\ (8+4)^1,\ (2\ (8+4))^1,$$
$$2\ (8+\text{root}[4,\ 1]),\ 2\ \text{root}[8+4,\ 1],\ \text{root}[2\ (8+4),\ 1],\ (4+(1-2))\ 8,\ (4-\text{mod}[1,\ 2])\ 8,$$
$$\left(4-1^2\right)\ 8,\ (4-\text{root}[1,\ 2])\ 8,\ ((4+1)-2)\ 8,\ 4^{1\times 2}+8,\ (4\times 1)^2+8,\ \left(\frac{4}{1}\right)^2+8,\ \left(4^1\right)^2+8,$$
$$\text{root}[4,\ 1]^2+8,\ (4\times 1+8)\ 2,\ \left(\frac{4}{1}+8\right)\ 2,\ \left(4^1+8\right)\ 2,\ (\text{root}[4,\ 1]+8)\ 2,\ (4+1\times 8)\ 2,\ \frac{4}{\frac{1}{8-2}},$$
$$4\ (8-2),\ \frac{4}{1}\ (8-2),\ 4^1\ (8-2),\ \text{root}[4,\ 1]\ (8-2),\ 4\ (8-2),\ 4\ (1\times 8-2),\ \left(\frac{4}{2}+1\right)\ 8,$$
$$(\text{root}[4,\ 2]+1)\ 8,\ ((4-2)+1)\ 8,\ (4-(2-1))\ 8,\ 4^2\ 1+8,\ \frac{4^2}{1}+8,\ 4^{2\times 1}+8,\ 4^{\frac{2}{1}}+8,\ 4^{2^1}+8,$$

$$4^{\text{root}[2,1]}+8,\ \left(4^2\right)^1+8,\ \text{root}\left[4^2,\ 1\right]+8,\ 4^2+1\times 8,\ \left(4^2+8\right)\ 1,\ 4^2+8\times 1,\ 4^2+\frac{8}{1},\ \frac{4^2+8}{1},$$

$$4^2+8^1,\ \left(4^2+8\right)^1,\ 4^2+\text{root}[8,\ 1],\ \text{root}\left[4^2+8,\ 1\right],\ (4+8)\ 2,\ (4+8\times 1)\ 2,\ \left(4+\frac{8}{1}\right)\ 2,$$

$$\frac{4+8}{1}\ 2,\ \left(4+8^1\right)\ 2,\ (4+8)^1\ 2,\ (4+\text{root}[8,\ 1])\ 2,\ \text{root}[4+8,\ 1]\ 2,\ (4+8)\ 2,\ \frac{4+8}{\frac{1}{2}},$$

$$4\ (8-1\times 2),\ 4\ (8\times 1-2),\ 4\ \left(\frac{8}{1}-2\right),\ 4\ \left(8^1-2\right),\ 4\ (\text{root}[8,\ 1]-2),\ (4+8)\ 2,\ 4\ (8-2),$$

$$(4+8)\ 2,\ 4\ (8-2),\ (4+8)\ \frac{2}{1},\ \frac{(4+8)\ 2}{1},\ 4\ \frac{8-2}{1},\ \frac{4\ (8-2)}{1},\ (4+8)\ 2^1,\ ((4+8)\ 2)^1,$$

$$4\ (8-2)^1,\ (4\ (8-2))^1,\ (4+8)\ \text{root}[2,\ 1],\ \text{root}[(4+8)\ 2,\ 1],\ 4\ \text{root}[8-2,\ 1],$$

$$\text{root}[4\ (8-2),\ 1],\ 4\ (8-2\times 1),\ 4\ \left(8-\frac{2}{1}\right),\ 4\ \left(8-2^1\right),\ 4\ (8-\text{root}[2,\ 1]),\ (8-1\times 2)\ 4,$$

$$(8\times 1-2)\ 4,\ \left(\frac{8}{1}-2\right)\ 4,\ \left(8^1-2\right)\ 4,\ (\text{root}[8,\ 1]-2)\ 4,\ 8\ ((1-2)+4),\ 8\ (1+\text{Log}[2,\ 4]),$$

$$8\ (1+\text{mod}[2,\ 4]),\ 8\ \text{mod}[1+2,\ 4],\ 8\times 1+2^4,\ \frac{8}{1}+2^4,\ 8^1+2^4,\ \text{root}[8,\ 1]+2^4,\ 8+1\times 2^4,$$

$$8+(1\times 2)^4,\ 8\ (1-(2-4)),\ (8\times 1+4)\ 2,\ \left(\frac{8}{1}+4\right)\ 2,\ \left(8^1+4\right)\ 2,\ (\text{root}[8,\ 1]+4)\ 2,$$

$$(8+1\times 4)\ 2,\ 8\ (\text{mod}[1,\ 4]+2),\ 8\ \left(1^4+2\right),\ 8\ (\text{root}[1,\ 4]+2),\ 8\ \left(1+\frac{4}{2}\right),\ 8\times 1+4^2,$$

$$\frac{8}{1}+4^2,\ 8^1+4^2,\ \text{root}[8,\ 1]+4^2,\ 8+1\times 4^2,\ 8+(1\times 4)^2,\ 8\ (1+\text{root}[4,\ 2]),\ 8\ (1+(4-2)),$$

$$8\ ((1+4)-2),\ (8-2)\ 4,\ \frac{8-2}{1}\ 4,\ (8-2)^1\ 4,\ \text{root}[8-2,\ 1]\ 4,\ (8-2\times 1)\ 4,\ \left(8-\frac{2}{1}\right)\ 4,$$

$$\left(8-2^1\right)\ 4,\ (8-\text{root}[2,\ 1])\ 4,\ (8-2)\ 4,\ \frac{8-2}{\frac{1}{4}},\ 8\ (2+\text{mod}[1,\ 4]),\ 8\ \text{mod}[2+1,\ 4],\ 8\ \left(2+1^4\right),$$

$$8+2^{1\times 4},\ 8+(2\times 1)^4,\ 8+\left(\frac{2}{1}\right)^4,\ 8+\left(2^1\right)^4,\ 8+\text{root}[2,\ 1]^4,\ 8\ (2+\text{root}[1,\ 4]),\ (8-2)\ 4,$$

$$\left(8+2^4\right)\ 1,\ (8-2)\ 4,\ 8\ (\text{Log}[2,\ 4]+1),\ 8\ (\text{mod}[2,\ 4]+1),\ 8+2^4\ 1,\ (8-2)\ \frac{4}{1},\ \frac{(8-2)\ 4}{1},$$

$$8+\frac{2^4}{1},\ \frac{8+2^4}{1},\ 8+2^{4\times 1},\ 8+2^{\frac{4}{1}},\ 8+2^{4^1},\ 8+2^{\text{root}[4,1]},\ (8-2)\ 4^1,\ ((8-2)\ 4)^1,\ 8+\left(2^4\right)^1,$$

$$\left(8+2^4\right)^1,\ (8-2)\ \text{root}[4,\ 1],\ \text{root}[(8-2)\ 4,\ 1],\ 8+\text{root}\left[2^4,\ 1\right],\ \text{root}\left[8+2^4,\ 1\right],\ (8+4)\ 2,$$

$$(8+4\times 1)\ 2,\ \left(8+\frac{4}{1}\right)\ 2,\ \frac{8+4}{1}\ 2,\ \left(8+4^1\right)\ 2,\ (8+4)^1\ 2,\ (8+\text{root}[4,\ 1])\ 2,\ \text{root}[8+4,\ 1]\ 2,$$

$$(8+4)\ 2,\ \frac{8+4}{\frac{1}{2}},\ 8+4^{1\times 2},\ 8+(4\times 1)^2,\ 8+\left(\frac{4}{1}\right)^2,\ 8+\left(4^1\right)^2,\ 8+\text{root}[4,\ 1]^2,\ 8\ (4+(1-2)),$$

$$8\ (4-\text{mod}[1,\ 2]),\ 8\ \left(4-1^2\right),\ 8\ (4-\text{root}[1,\ 2]),\ 8\ ((4+1)-2),\ (8+4)\ 2,\ \left(8+4^2\right)\ 1,$$

$$(8+4)\ 2,\ 8\ \left(\frac{4}{2}+1\right),\ 8\ (\text{root}[4,\ 2]+1),\ 8\ ((4-2)+1),\ 8+4^2\ 1,\ (8+4)\ \frac{2}{1},\ \frac{(8+4)\ 2}{1},\ 8+\frac{4^2}{1},$$

$$\frac{8+4^2}{1},\ (8+4)\ 2^1,\ 8+4^{2\times 1},\ 8+4^{\frac{2}{1}},\ 8+4^{2^1},\ 8+4^{\text{root}[2,1]},\ ((8+4)\ 2)^1,\ 8+\left(4^2\right)^1,\ \left(8+4^2\right)^1,$$

$$(8+4)\ \text{root}[2,1],\ \text{root}[(8+4)\ 2,1],\ 8+\text{root}\left[4^2,1\right],\ \text{root}\left[8+4^2,1\right],\ 8\ (4-(2-1))\Big\}\Big\},$$

$$\Big\{\{1,2,4,9\},\ \Big\{(1+9)\ 2+4,\ 2\ (1+9)+4,\ 2\ ((4-1)+9),\ \left(2^4-1\right)+9,\ 2\ (4-(1-9)),$$
$$2^4-(1-9),\ 2\ (4+(9-1)),\ 2^4+(9-1),\ 2\ ((4+9)-1),\ \left(2^4+9\right)-1,\ 2\ (9+1)+4,$$
$$2\ ((9-1)+4),\ 2\ (9-(1-4)),\ 2\ (9+(4-1)),\ 2\ ((9+4)-1),\ ((4-1)+9)\ 2,\ (4-(1-9))\ 2,$$
$$4+(1+9)\ 2,\ \left(4^2-1\right)+9,\ 4+2\ (1+9),\ 4^2-(1-9),\ 4+2\ (9+1),\ 4^2+(9-1),\ \left(4^2+9\right)-1,$$
$$(4+(9-1))\ 2,\ ((4+9)-1)\ 2,\ 4+(9+1)\ 2,\ 4\ (9-(1+2)),\ 4\ ((9-1)-2),\ 4\ (9-(2+1)),$$
$$4\ ((9-2)-1),\ (9-(1+2))\ 4,\ ((9-1)-2)\ 4,\ (9+1)\ 2+4,\ (9-1)+2^4,\ 9-\left(1-2^4\right),$$
$$((9-1)+4)\ 2,\ (9-(1-4))\ 2,\ (9-1)+4^2,\ 9-\left(1-4^2\right),\ (9-(2+1))\ 4,\ ((9-2)-1)\ 4,$$
$$9+\left(2^4-1\right),\ \left(9+2^4\right)-1,\ (9+(4-1))\ 2,\ ((9+4)-1)\ 2,\ 9+\left(4^2-1\right),\ \left(9+4^2\right)-1,\ (9-4)^2-1\Big\}\Big\},$$

$$\Big\{\{1,2,4,10\},\ \Big\{1\ (2\times10+4),\ 2\times10+4,\ 2\times10+4,\ 1\ (4+2\times10),\ 1\times4+2\times10,$$
$$(1-4)\ (2-10),\ 1\ (4+10\times2),\ 1\times4+10\times2,\ \left(1+\frac{10}{2}\right)4,\ 1\ (10\times2+4),\ 10\times2+4,\ 10\times2+4,$$
$$2\times10+4,\ \frac{2}{1}\,10+4,\ 2^1\,10+4,\ \text{root}[2,1]\,10+4,\ 2\times10+4,\ \frac{2}{\frac{1}{10}}+4,\ 2\times10+4,\ 2\times10+4,$$
$$2\times\frac{10}{1}+4,\ \frac{2\times10}{1}+4,\ 2\times10^1+4,\ (2\times10)^1+4,\ 2\ \text{root}[10,1]+4,\ \text{root}[2\times10,1]+4,$$
$$2\times10+1\times4,\ (2-10)\ (1-4),\ (2\times10+4)\ 1,\ 2\times10+4\times1,\ 2\times10+\frac{4}{1},\ \frac{2\times10+4}{1},$$
$$2\times10+4^1,\ (2\times10+4)^1,\ 2\times10+\text{root}[4,1],\ \text{root}[2\times10+4,1],\ 4\times1+2\times10,\ \frac{4}{1}+2\times10,$$
$$4^1+2\times10,\ \text{root}[4,1]+2\times10,\ 4+2\times10,\ 4+2\times10,\ 4\times1+10\times2,\ \frac{4}{1}+10\times2,\ 4^1+10\times2,$$
$$\text{root}[4,1]+10\times2,\ 4+10\times2,\ 4+10\times2,\ 4\left(1+\frac{10}{2}\right),\ (4-1)\ (10-2),\ 4+2\times10,\ 4+\frac{2}{1}\,10,$$
$$4+2^1\,10,\ 4+\text{root}[2,1]\,10,\ 4+2\times10,\ 4+\frac{2}{\frac{1}{10}},\ (4+2\times10)\ 1,\ 4+2\times10,\ 4+2\times10,$$
$$4+2\times\frac{10}{1},\ 4+\frac{2\times10}{1},\ \frac{4+2\times10}{1},\ 4+2\times10^1,\ 4+(2\times10)^1,\ (4+2\times10)^1,\ 4+2\ \text{root}[10,1],$$
$$4+\text{root}[2\times10,1],\ \text{root}[4+2\times10,1],\ 4+10\times2,\ 4+\frac{10}{1}\,2,\ 4+10^1\,2,\ 4+\text{root}[10,1]\,2,$$
$$4+10\times2,\ 4+\frac{10}{\frac{1}{2}},\ (4+10\times2)\ 1,\ 4\left(\frac{10}{2}+1\right),\ 4+10\times2,\ 4+10\times2,\ 4+10\times\frac{2}{1},\ 4+\frac{10\times2}{1},$$
$$\frac{4+10\times2}{1},\ 4+10\times2^1,\ 4+(10\times2)^1,\ (4+10\times2)^1,\ 4+10\ \text{root}[2,1],\ 4+\text{root}[10\times2,1],$$
$$\text{root}[4+10\times2,1],\ 10\times2+4,\ \frac{10}{1}\,2+4,\ 10^1\,2+4,\ \text{root}[10,1]\,2+4,\ 10\times2+4,\ \frac{10}{\frac{1}{2}}+4,$$
$$\left(\frac{10}{2}+1\right)4,\ 10\times2+4,\ 10\times2+4,\ 10\times\frac{2}{1}+4,\ \frac{10\times2}{1}+4,\ 10\times2^1+4,\ (10\times2)^1+4,\ 10\ \text{root}[2,1]+4,$$
$$\text{root}[10\times2,1]+4,\ 10\times2+1\times4,\ (10\times2+4)\ 1,\ 10\times2+4\times1,\ 10\times2+\frac{4}{1},\ \frac{10\times2+4}{1},$$
$$10\times2+4^1,\ (10\times2+4)^1,\ 10\times2+\text{root}[4,1],\ \text{root}[10\times2+4,1],\ (10-2)\ (4-1),\ \frac{10^2}{4}-1\Big\}\Big\},$$

$$\Big\{\{1,2,5,5\},\ \Big\{(1-2)+5\times5,\ 1-(2-5\times5),\ 1+(5\times5-2),\ (1+5\times5)-2,$$
$$5^2-\text{mod}[1,5],\ 5^2-1^5,\ 5^2-\text{root}[1,5],\ 5^{\text{mod}[2,5]}-1,\ 5\times5+(1-2),\ 5\times5-\text{mod}[1,2],$$

$$5\times5-1^2,\ 5\times5-\text{root}[1,2],\ (5\times5+1)-2,\ (5\times5-2)+1,\ 5\times5-(2-1)\}\},$$

$$\{\{1,2,5,6\},\{((1-2)+5)\,6,\ (1-(2-5))\,6,\ (1+(5-2))\,6,\ ((1+5)-2)\,6,\ ((1+5)+6)\,2,$$
$$(1+(5+6))\,2,\ (1+5)\,(6-2),\ ((1+6)+5)\,2,\ (1+(6+5))\,2,\ 2\,((1+5)+6),\ 2\,(1+(5+6)),$$
$$2\,((1+6)+5),\ 2\,(1+(6+5)),\ 2\,((5+1)+6),\ 2\,(5+(1+6)),\ 2\,((5+6)+1),\ 2\,(5+(6+1)),$$
$$2\,((6+1)+5),\ 2\,(6+(1+5)),\ 2\,((6+5)+1),\ 2\,(6+(5+1)),\ (5+(1-2))\,6,$$
$$(5-\text{mod}[1,2])\,6,\ \left(5-1^2\right)6,\ (5-\text{root}[1,2])\,6,\ ((5+1)-2)\,6,\ ((5+1)+6)\,2,$$
$$(5+(1+6))\,2,\ (5+1)\,(6-2),\ ((5-2)+1)\,6,\ (5-(2-1))\,6,\ 5^2-\text{mod}[1,6],\ 5^2-1^6,$$
$$5^2-\text{root}[1,6],\ 5^{\text{mod}[2,6]}-1,\ ((5+6)+1)\,2,\ (5+(6+1))\,2,\ \text{mod}[5,6]^2-1,\ 6\,((1-2)+5),$$
$$6\,(1-(2-5)),\ ((6+1)+5)\,2,\ (6+(1+5))\,2,\ 6\,(1+(5-2)),\ 6\,((1+5)-2),\ (6-2)\,(1+5),$$
$$(6-2)\,(5+1),\ ((6+5)+1)\,2,\ (6+(5+1))\,2,\ 6\,(5+(1-2)),\ 6\,(5-\text{mod}[1,2]),$$
$$6\,\left(5-1^2\right),\ 6\,(5-\text{root}[1,2]),\ 6\,((5+1)-2),\ 6\,((5-2)+1),\ 6\,(5-(2-1))\}\},$$

$$\{\{1,2,5,7\},\{2\,(5+7),\ 2\,(5+7),\ 2\,(7+5),\ 2\,(7+5),\ (5+7)\,2,\ (1\times5+7)\,2,\ (5+7)\,2,$$
$$(7+5)\,2,\ (1\times7+5)\,2,\ (7+5)\,2,\ (1+7)\,(5-2),\ 2\,(5+7),\ \frac{2}{1}\,(5+7),\ 2^1\,(5+7),$$
$$\text{root}[2,1]\,(5+7),\ 2\,(5+7),\ 2\,(1\times5+7),\ \frac{2}{\frac{1}{5+7}},\ 2\,(7+5),\ \frac{2}{1}\,(7+5),\ 2^1\,(7+5),$$
$$\text{root}[2,1]\,(7+5),\ 2\,(7+5),\ 2\,(1\times7+5),\ \frac{2}{\frac{1}{7+5}},\ 2\,(5\times1+7),\ 2\left(\frac{5}{1}+7\right),\ 2\left(5^1+7\right),$$
$$2\,(\text{root}[5,1]+7),\ 2\,(5+1\times7),\ 2^5-(1+7),\ \left(2^5-1\right)-7,\ 2\,(5+7),\ 2\,(5+7),\ 2\,(5+7\times1),$$
$$2\left(5+\frac{7}{1}\right),\ 2\,\frac{5+7}{1},\ \frac{2\,(5+7)}{1},\ 2\left(5+7^1\right),\ 2\,(5+7)^1,\ (2\,(5+7))^1,\ 2\,(5+\text{root}[7,1]),$$
$$2\,\text{root}[5+7,1],\ \text{root}[2\,(5+7),1],\ 2^5-(7+1),\ \left(2^5-7\right)-1,\ 2\,(7\times1+5),\ 2\left(\frac{7}{1}+5\right),$$
$$2\left(7^1+5\right),\ 2\,(\text{root}[7,1]+5),\ 2\,(7+1\times5),\ 2\,(7+5),\ 2\,(7+5),\ 2\,(7+5\times1),\ 2\left(7+\frac{5}{1}\right),$$
$$2\,\frac{7+5}{1},\ \frac{2\,(7+5)}{1},\ 2\left(7+5^1\right),\ 2\,(7+5)^1,\ (2\,(7+5))^1,\ 2\,(7+\text{root}[5,1]),\ 2\,\text{root}[7+5,1],$$
$$\text{root}[2\,(7+5),1],\ (5\times1+7)\,2,\ \left(\frac{5}{1}+7\right)2,\ \left(5^1+7\right)2,\ (\text{root}[5,1]+7)\,2,\ (5+1\times7)\,2,$$
$$(5-2)\,(1+7),\ 5^2-\text{mod}[1,7],\ 5^2-1^7,\ 5^2-\text{root}[1,7],\ (5-2)\,(7+1),\ 5^{\text{mod}[2,7]}-1,$$
$$(5+7)\,2,\ (5+7\times1)\,2,\ \left(5+\frac{7}{1}\right)2,\ \frac{5+7}{1}\,2,\ \left(5+7^1\right)2,\ (5+7)^1\,2,\ (5+\text{root}[7,1])\,2,$$
$$\text{root}[5+7,1]\,2,\ (5+7)\,2,\ \frac{5+7}{\frac{1}{2}},\ (5+7)\,2,\ (5+7)\,2,\ (5+7)\,\frac{2}{1},\ \frac{(5+7)\,2}{1},\ (5+7)\,2^1,$$
$$((5+7)\,2)^1,\ (5+7)\,\text{root}[2,1],\ \text{root}[(5+7)\,2,1],\ \text{mod}[5,7]^2-1,\ 5\,(7-2)-1,$$
$$(7\times1+5)\,2,\ \left(\frac{7}{1}+5\right)2,\ \left(7^1+5\right)2,\ (\text{root}[7,1]+5)\,2,\ (7+1\times5)\,2,\ (7+1)\,(5-2),$$
$$(7-2)\,5-1,\ (7+5)\,2,\ (7+5\times1)\,2,\ \left(7+\frac{5}{1}\right)2,\ \frac{7+5}{1}\,2,\ \left(7+5^1\right)2,\ (7+5)^1\,2,$$
$$(7+\text{root}[5,1])\,2,\ \text{root}[7+5,1]\,2,\ (7+5)\,2,\ \frac{7+5}{\frac{1}{2}},\ (7+5)\,2,\ (7+5)\,2,\ (7+5)\,\frac{2}{1},$$
$$\frac{(7+5)\,2}{1},\ (7+5)\,2^1,\ ((7+5)\,2)^1,\ (7+5)\,\text{root}[2,1],\ \text{root}[(7+5)\,2,1]\}\},$$

$$\{\{1,2,5,8\},\{(1+\text{mod}[2,5])\,8,\ \text{mod}[1+2,5]\,8,\ 1\left(2^5-8\right),\ 1\times2^5-8,\ (1\times2)^5-8,$$

$$(\text{mod}[1,5]+2)\,8,\ \left(1^5+2\right)8,\ (\text{root}[1,5]+2)\,8,\ \frac{1+5}{2}\,8,\ (5-2)\,8,\ (1\times 5-2)\,8,\ (5-2)\,8,$$

$$\frac{1+5}{\frac{2}{8}},\ (1-5)\,(2-8),\ (1+5)\,\frac{8}{2},\ \frac{(1+5)\,8}{2},\ 8\,(5-2),\ 8\,(5-2),\ (2+\text{mod}[1,5])\,8,$$

$$\text{mod}[2+1,5]\,8,\ \left(2+1^5\right)8,\ (2+\text{root}[1,5])\,8,\ 2^{1\times 5}-8,\ (2\times 1)^5-8,\ \left(\frac{2}{1}\right)^5-8,\ \left(2^1\right)^5-8,$$

$$\text{root}[2,1]^5-8,\ (\text{mod}[2,5]+1)\,8,\ 2^{5-1}+8,\ 2\,((5-1)+8),\ 2\,(5-(1-8)),\ 2^5\,1-8,\ \frac{2^5}{1}-8,$$

$$2^5-1\times 8,\ 2^{5\times 1}-8,\ 2^{\frac{5}{1}}-8,\ 2^{5^1}-8,\ 2^{\text{root}[5,1]}-8,\ \left(2^5\right)^1-8,\ \text{root}\left[2^5,1\right]-8,\ \left(2^5-8\right)1,$$

$$\frac{2^5-8}{1},\ \left(2^5-8\right)^1,\ \text{root}\left[2^5-8,1\right],\ 2\,(5+(8-1)),\ 2\,((5+8)-1),\ 2^5-8\times 1,\ 2^5-\frac{8}{1},\ 2^5-8^1,$$

$$2^5-\text{root}[8,1],\ 2\,((8-1)+5),\ (2-8)\,(1-5),\ 2\,(8-(1-5)),\ 2\,(8+(5-1)),\ 2\,((8+5)-1),$$

$$\frac{5+1}{2}\,8,\ (5-1\times 2)\,8,\ (5\times 1-2)\,8,\ \left(\frac{5}{1}-2\right)8,\ \left(5^1-2\right)8,\ (\text{root}[5,1]-2)\,8,\ (5-1)^2+8,$$

$$\frac{5+1}{\frac{2}{8}},\ ((5-1)+8)\,2,\ (5-(1-8))\,2,\ (5+1)\,\frac{8}{2},\ \frac{(5+1)\,8}{2},\ (5-1)\,(8-2),\ (5-2)\,8,$$

$$\frac{5-2}{1}\,8,\ (5-2)^1\,8,\ \text{root}[5-2,1]\,8,\ (5-2\times 1)\,8,\ \left(5-\frac{2}{1}\right)8,\ \left(5-2^1\right)8,\ (5-\text{root}[2,1])\,8,$$

$$(5-2)\,8,\ \frac{5-2}{\frac{1}{8}},\ 5^2-\text{mod}[1,8],\ 5^2-1^8,\ 5^2-\text{root}[1,8],\ (5-2)\,8,\ (5-2)\,8,\ (5-2)\,\frac{8}{1},$$

$$\frac{(5-2)\,8}{1},\ (5-2)\,8^1,\ ((5-2)\,8)^1,\ (5-2)\,\text{root}[8,1],\ \text{root}[(5-2)\,8,1],\ 5^{\text{mod}[2,8]}-1,$$

$$(5+(8-1))\,2,\ ((5+8)-1)\,2,\ \text{mod}[5,8]^2-1,\ 8\,(1+\text{mod}[2,5]),\ 8\,\text{mod}[1+2,5],$$

$$((8-1)+5)\,2,\ (8-(1-5))\,2,\ 8\,(\text{mod}[1,5]+2),\ 8\,\left(1^5+2\right),\ 8\,(\text{root}[1,5]+2),\ \frac{8}{\frac{1}{5-2}},$$

$$8\,\frac{1+5}{2},\ \frac{8\,(1+5)}{2},\ 8\,(5-2),\ \frac{8}{1}\,(5-2),\ 8^1\,(5-2),\ \text{root}[8,1]\,(5-2),\ 8\,(5-2),\ 8\,(1\times 5-2),$$

$$\frac{8}{2}\,(1+5),\ \frac{8}{\frac{2}{1+5}},\ 8\,(2+\text{mod}[1,5]),\ 8\,\text{mod}[2+1,5],\ 8\,\left(2+1^5\right),\ 8\,(2+\text{root}[1,5]),$$

$$\frac{8}{2}\,(5+1),\ 8\,(\text{mod}[2,5]+1),\ \frac{8}{\frac{2}{5+1}},\ 8+2^{5-1},\ (8-2)\,(5-1),\ (8+(5-1))\,2,\ ((8+5)-1)\,2,$$

$$8\,\frac{5+1}{2},\ \frac{8\,(5+1)}{2},\ 8+(5-1)^2,\ 8\,(5-1\times 2),\ 8\,(5\times 1-2),\ 8\,\left(\frac{5}{1}-2\right),\ 8\,\left(5^1-2\right),$$

$$8\,(\text{root}[5,1]-2),\ 8\,(5-2),\ 8\,(5-2),\ 8\,\frac{5-2}{1},\ \frac{8\,(5-2)}{1},\ 8\,(5-2)^1,\ (8\,(5-2))^1,$$

$$8\,\text{root}[5-2,1],\ \text{root}[8\,(5-2),1],\ 8\,(5-2\times 1),\ 8\,\left(5-\frac{2}{1}\right),\ 8\,\left(5-2^1\right),\ 8\,(5-\text{root}[2,1])\Big\}\Big\},$$

$$\Big\{\{1,2,5,9\},\ \Big\{(1+2)\,5+9,\ 1+\left(2^5-9\right),\ \left(1+2^5\right)-9,\ (1+2\times 9)+5,\ 1+(2\times 9+5),$$
$$(1+5)+2\times 9,\ 1+(5+2\times 9),\ (1+5)+9\times 2,\ 1+(5+9\times 2),\ (1+9\times 2)+5,\ 1+(9\times 2+5),$$
$$(1-9)+2^5,\ 1-\left(9-2^5\right),\ (1-9)\,(2-5),\ (2+1)\,5+9,\ (2-5)\,(1-9),\ 2^5+(1-9),\ \left(2^5+1\right)-9,$$
$$\left(2^5-9\right)+1,\ 2^5-(9-1),\ (2\times 9+1)+5,\ 2\times 9+(1+5),\ (2\times 9+5)+1,\ 2\times 9+(5+1),\ 5\,(1+2)+9,$$
$$(5+1)+2\times 9,\ 5+(1+2\times 9),\ (5+1)+9\times 2,\ 5+(1+9\times 2),\ 5\,(2+1)+9,\ 5^2-\text{mod}[1,9],$$
$$5^2-1^9,\ 5^2-\text{root}[1,9],\ (5+2\times 9)+1,\ 5+(2\times 9+1),\ (5-2)\,(9-1),\ 5^{\text{mod}[2,9]}-1,$$

$$(5+9\times 2)+1,\ 5+(9\times 2+1),\ \text{mod}[5,\ 9]^2-1,\ 9+(1+2)\ 5,\ (9-1)\ (5-2),\ (9\times 2+1)+5,$$
$$9+(2+1)\ 5,\ 9\times 2+(1+5),\ (9\times 2+5)+1,\ 9\times 2+(5+1),\ 9+5\ (1+2),\ 9+5\ (2+1)\}\},$$
$$\{\{1,\ 2,\ 5,\ 10\},\ \{(2\times 10-1)+5,\ 2\times 10-(1-5),\ 2\times 10+(5-1),\ (2\times 10+5)-1,$$
$$(5-1)+2\times 10,\ 5-(1-2\times 10),\ (5-1)+10\times 2,\ 5-(1-10\times 2),\ 5^2-\text{mod}[1,\ 10],\ 5^2-1^{10},$$
$$5^2-\text{root}[1,\ 10],\ 5+(2\times 10-1),\ \frac{5}{2}\ 10-1,\ (5+2\times 10)-1,\ \frac{5}{\frac{2}{10}}-1,\ 5^{\text{mod}[2,10]}-1,\ 5+(10\times 2-1),$$
$$(5+10\times 2)-1,\ 5\times\frac{10}{2}-1,\ \frac{5\times 10}{2}-1,\ \text{mod}[5,\ 10]^2-1,\ (10\times 2-1)+5,\ 10\times 2-(1-5),$$
$$10\times 2+(5-1),\ \frac{10}{2}\ 5-1,\ (10\times 2+5)-1,\ \frac{10}{\frac{2}{5}}-1,\ 10\times\frac{5}{2}-1,\ \frac{10\times 5}{2}-1,\ (10-5)^2-1\}\},$$

$$\{\{1,\ 2,\ 6,\ 6\},\ \{2\ (6+6),\ 2\ (6+6),\ (1+2)\ 6+6,\ \left(1+\frac{6}{2}\right)\ 6,\ (6-2)\ 6,\ (1\times 6-2)\ 6,$$
$$(6-2)\ 6,\ (6+6)\ 2,\ (1\times 6+6)\ 2,\ (6+6)\ 2,\ 6\ (6-2),\ 6\ (6-2),\ 2\ (6+6),\ \frac{2}{1}\ (6+6),$$
$$2^1\ (6+6),\ \text{root}[2,\ 1]\ (6+6),\ 2\ (6+6),\ 2\ (1\times 6+6),\ (2+1)\ 6+6,\ \frac{2}{\frac{1}{6+6}},\ 2\ (6\times 1+6),$$
$$2\left(\frac{6}{1}+6\right),\ 2\left(6^1+6\right),\ 2\ (\text{root}[6,\ 1]+6),\ 2\ (6+1\times 6),\ 2\ (6+6),\ 2\ (6+6),\ 2\ (6+6\times 1),$$
$$2\left(6+\frac{6}{1}\right),\ 2\ \frac{6+6}{1},\ \frac{2\ (6+6)}{1},\ 2\left(6+6^1\right),\ 2\ (6+6)^1,\ (2\ (6+6))^1,\ 2\ (6+\text{root}[6,\ 1]),$$
$$2\ \text{root}[6+6,\ 1],\ \text{root}[2\ (6+6),\ 1],\ (6-1\times 2)\ 6,\ (6\times 1-2)\ 6,\ \left(\frac{6}{1}-2\right)\ 6,\ \left(6^1-2\right)\ 6,$$
$$(\text{root}[6,\ 1]-2)\ 6,\ 6\ (1+2)+6,\ 6+(1+2)\ 6,\ (6\times 1+6)\ 2,\ \left(\frac{6}{1}+6\right)\ 2,\ \left(6^1+6\right)\ 2,$$
$$(\text{root}[6,\ 1]+6)\ 2,\ (6+1\times 6)\ 2,\ 6\left(1+\frac{6}{2}\right),\ \frac{6}{\frac{1}{6-2}},\ 6\ (6-2),\ \frac{6}{1}\ (6-2),\ 6^1\ (6-2),$$
$$\text{root}[6,\ 1]\ (6-2),\ 6\ (6-2),\ 6\ (1\times 6-2),\ (6-2)\ 6,\ \left(\frac{6}{2}+1\right)\ 6,\ \frac{6-2}{1}\ 6,\ (6-2)^1\ 6,$$
$$\text{root}[6-2,\ 1]\ 6,\ (6-2\times 1)\ 6,\ \left(6-\frac{2}{1}\right)\ 6,\ \left(6-2^1\right)\ 6,\ (6-\text{root}[2,\ 1])\ 6,\ (6-2)\ 6,$$
$$6\ (2+1)+6,\ 6+(2+1)\ 6,\ \frac{6-2}{\frac{1}{6}},\ (6-2)\ 6,\ (6-2)\ 6,\ (6-2)\ \frac{6}{1},\ \frac{(6-2)\ 6}{1},\ (6-2)\ 6^1,$$
$$((6-2)\ 6)^1,\ (6-2)\ \text{root}[6,\ 1],\ \text{root}[(6-2)\ 6,\ 1],\ (6+6)\ 2,\ (6+6\times 1)\ 2,\ \left(6+\frac{6}{1}\right)\ 2,$$
$$\frac{6+6}{1}\ 2,\ \left(6+6^1\right)\ 2,\ (6+6)^1\ 2,\ (6+\text{root}[6,\ 1])\ 2,\ \text{root}[6+6,\ 1]\ 2,\ (6+6)\ 2,\ 6+6\ (1+2),$$
$$\frac{6+6}{\frac{1}{2}},\ 6\ (6-1\times 2),\ 6\ (6\times 1-2),\ 6\left(\frac{6}{1}-2\right),\ 6\left(6^1-2\right),\ 6\ (\text{root}[6,\ 1]-2),\ (6+6)\ 2,$$
$$6\ (6-2),\ (6+6)\ 2,\ 6\ (6-2),\ 6\left(\frac{6}{2}+1\right),\ 6+6\ (2+1),\ (6+6)\ \frac{2}{1},\ \frac{(6+6)\ 2}{1},\ 6\ \frac{6-2}{1},\ \frac{6\ (6-2)}{1},$$
$$(6+6)\ 2^1,\ ((6+6)\ 2)^1,\ 6\ (6-2)^1,\ (6\ (6-2))^1,\ (6+6)\ \text{root}[2,\ 1],\ \text{root}[(6+6)\ 2,\ 1],$$

$$6\,\text{root}[6-2,1],\ \text{root}[6\,(6-2),1],\ 6\,(6-2\times 1),\ 6\left(6-\frac{2}{1}\right),\ 6\left(6-2^1\right),\ 6\,(6-\text{root}[2,1])\Big\}\Big\},$$

$$\Big\{\{1,2,6,7\},\ \Big\{\frac{1+7}{2}\,6,\ \frac{1+7}{\frac{2}{6}},\ (1-7)\,(2-6),\ (1+7)\,\frac{6}{2},\ \frac{(1+7)\,6}{2},\ 2\,((6-1)+7),$$

$$(2-6)\,(1-7),\ 2\,(6-(1-7)),\ 2\,(6+(7-1)),\ 2\,((6+7)-1),\ 2\,((7-1)+6),$$

$$2\,(7-(1-6)),\ 2\,(7+(6-1)),\ 2\,((7+6)-1),\ ((6-1)+7)\,2,\ (6-(1-7))\,2,\ 6\,\frac{1+7}{2},$$

$$\frac{6\,(1+7)}{2},\ \frac{6}{2}\,(1+7),\ \frac{6}{\frac{2}{1+7}},\ \frac{6}{2}\,(7+1),\ \frac{6}{\frac{2}{7+1}},\ (6-2)\,(7-1),\ (6+(7-1))\,2,\ ((6+7)-1)\,2,$$

$$6\,\frac{7+1}{2},\ \frac{6\,(7+1)}{2},\ 6\,(7-(1+2)),\ 6\,((7-1)-2),\ 6\,(7-(2+1)),\ 6\,((7-2)-1),$$

$$\frac{7+1}{2}\,6,\ (7-(1+2))\,6,\ ((7-1)-2)\,6,\ \frac{7+1}{\frac{2}{6}},\ ((7-1)+6)\,2,\ (7-(1-6))\,2,\ (7+1)\,\frac{6}{2},$$

$$\frac{(7+1)\,6}{2},\ (7-1)\,(6-2),\ (7-(2+1))\,6,\ ((7-2)-1)\,6,\ (7+(6-1))\,2,\ ((7+6)-1)\,2\Big\}\Big\},$$

$$\Big\{\{1,2,6,8\},\ \Big\{\left(\frac{1}{2}\,6\right)8,\ \frac{1}{\frac{2}{6}}\,8,\ (1+\text{mod}[2,6])\,8,\ \text{mod}[1+2,6]\,8,\ \frac{1}{2}\,(6\times 8),\ \frac{1}{\frac{2}{6\times 8}},\ \frac{1}{\frac{2}{\frac{2}{6}}8},$$

$$\left(\frac{1}{2}\,8\right)6,\ \frac{1}{\frac{2}{8}}\,6,\ (1+\text{Log}[2,8])\,6,\ \frac{1}{2}\,(8\times 6),\ \frac{1}{\frac{2}{8\times 6}},\ \frac{1}{\frac{2}{\frac{8}{6}}},\ (\text{mod}[1,6]+2)\,8,\ \left(1^6+2\right)8,$$

$$(\text{root}[1,6]+2)\,8,\ \frac{6}{2}\,8,\ \frac{1\times 6}{2}\,8,\ \frac{6}{2}\,8,\ 1\,\frac{6}{\frac{2}{8}},\ \frac{1\times 6}{\frac{2}{8}},\ 6\times\frac{8}{2},\ 6\times\frac{8}{2},\ 1\,\frac{6\times 8}{2},\ \frac{6\times 8}{2},\ \frac{6\times 8}{2},\ \frac{8}{2}\,6,$$

$$\frac{1\times 8}{2}\,6,\ \frac{8}{2}\,6,\ (1+8)\,2+6,\ 1\,\frac{8}{\frac{2}{6}},\ \frac{1\times 8}{\frac{2}{6}},\ 8\times\frac{6}{2},\ 8\times\frac{6}{2},\ 1\,\frac{8\times 6}{2},\ \frac{8\times 6}{2},\ \frac{8\times 6}{2},\ (2+\text{mod}[1,6])\,8,$$

$$\text{mod}[2+1,6]\,8,\ \left(2+1^6\right)8,\ (2+\text{root}[1,6])\,8,\ 2\,(1+8)+6,\ (\text{mod}[2,6]+1)\,8,\ 2^{6-1}-8,$$

$$(\text{Log}[2,8]+1)\,6,\ 2\,(8+1)+6,\ \left(6\times\frac{1}{2}\right)8,\ \frac{6}{1\times 2}\,8,\ \frac{6\times 1}{2}\,8,\ \frac{\frac{6}{1}}{2}\,8,\ \frac{6^1}{2}\,8,\ \frac{\text{root}[6,1]}{2}\,8,$$

$$(6-(1+2))\,8,\ ((6-1)-2)\,8,\ 6\left(\frac{1}{2}\,8\right),\ 6\,\frac{1}{\frac{2}{8}},\ \frac{6}{1\times\frac{2}{8}},\ \frac{6}{\frac{1\times 2}{8}},\ \frac{6\times 1}{\frac{2}{8}},\ \frac{\frac{6}{1}}{\frac{2}{8}},\ \frac{6^1}{\frac{2}{8}},\ \frac{\text{root}[6,1]}{\frac{2}{8}},$$

$$6\,(1+\text{Log}[2,8]),\ 6+(1+8)\,2,\ \frac{6}{\frac{1}{8}\,2},\ \frac{6}{\frac{1}{\frac{8}{2}}},\ 6\times\frac{8}{2},\ \frac{6}{1}\,\frac{8}{2},\ 6^1\,\frac{8}{2},\ \text{root}[6,1]\,\frac{8}{2},\ 6\times\frac{8}{2},\ 6\,\frac{1\times 8}{2},$$

$$\frac{6\times 8}{2},\ \frac{\frac{6}{1}\,8}{2},\ \frac{6^1\,8}{2},\ \frac{\text{root}[6,1]\,8}{2},\ \frac{6\times 8}{2},\ \frac{\frac{6}{\frac{1}{8}}}{2},\ \frac{6}{2}\,8,\ \frac{6}{2\times 1}\,8,\ \frac{6}{\frac{2}{1}}\,8,\ \frac{6}{2^1}\,8,\ \frac{6}{\text{root}[2,1]}\,8,\ \frac{\frac{6}{2}}{1}\,8,$$

$$\left(\frac{6}{2}\right)^1 8,\ \text{root}\left[\frac{6}{2},1\right]8,\ (6-(2+1))\,8,\ ((6-2)-1)\,8,\ \frac{6}{2}\,8,\ 6+2\,(1+8),\ \frac{6}{2\times\frac{1}{8}},\ \frac{6}{\frac{2}{1\times 8}},\ \frac{6}{\frac{2\times 1}{8}},$$

$$\frac{6}{\frac{2}{\frac{1}{8}}},\ \frac{6}{\frac{2^1}{8}},\ \frac{6}{\frac{\text{root}[2,1]}{8}},\ \frac{\frac{6}{2}}{\frac{1}{8}},\ \frac{6}{2}\,8,\ \frac{6}{\frac{2}{8}}\,1,\ \frac{6}{2}\,8,\ 6\,(\text{Log}[2,\,8]+1),\ 6+2\,(8+1),\ \frac{6}{\frac{2}{8}}\,1,\ \frac{6}{\frac{2}{8\times 1}},\ \frac{6}{\frac{2}{\frac{8}{1}}},\ \frac{6}{\frac{2}{8^1}},$$

$$\frac{6}{\frac{2}{\text{root}[8,1]}},\ \frac{6}{\frac{2}{\frac{8}{1}}},\ \frac{6}{\left(\frac{2}{8}\right)^1},\ \frac{6}{2}\,\frac{8}{1},\ \frac{\frac{6}{2}\,8}{1},\ \frac{\frac{6}{2}}{\frac{8}{1}},\ \frac{6}{2}\,8^1,\ \left(\frac{6}{2}\,8\right)^1,\ \left(\frac{6}{\frac{2}{8}}\right)^1,\ \frac{6}{2}\,\text{root}[8,\,1],\ \text{root}\left[\frac{6}{2}\,8,\,1\right],$$

$$\text{root}\left[\frac{6}{\frac{2}{8}},\,1\right],\ 6+(8+1)\,2,\ (6\times 8)\,\frac{1}{2},\ 6\left(8\times\frac{1}{2}\right),\ 6\,\frac{8}{1\times 2},\ 6\,\frac{8\times 1}{2},\ \frac{6\times 8}{2},\ \frac{6\times 8}{1\times 2},\ \frac{6\times 8}{2},\ 6\,\frac{\frac{8}{1}}{2},$$

$$\frac{6\times\frac{8}{1}}{2},\ \frac{\frac{6\times 8}{1}}{2},\ 6\,\frac{8^1}{2},\ \frac{6\times 8^1}{2},\ \frac{(6\times 8)^1}{2},\ 6\,\frac{\text{root}[8,\,1]}{2},\ \frac{6\,\text{root}[8,\,1]}{2},\ \frac{\text{root}[6\times 8,\,1]}{2},\ 6\times\frac{8}{2},$$

$$\frac{6\times 8}{2}\,1,\ 6\times\frac{8}{2},\ 6\,\frac{8}{2\times 1},\ 6\,\frac{8}{\frac{2}{1}},\ 6\,\frac{8}{2^1},\ 6\,\frac{8}{\text{root}[2,\,1]},\ \frac{6\times 8}{2\times 1},\ \frac{6\times 8}{\frac{2}{1}},\ \frac{6\times 8}{2^1},\ \frac{6\times 8}{\text{root}[2,\,1]},\ 6\,\frac{\frac{8}{2}}{1},$$

$$\frac{6\times\frac{8}{2}}{1},\ \frac{\frac{6\times 8}{2}}{1},\ 6\left(\frac{8}{2}\right)^1,\ \left(6\times\frac{8}{2}\right)^1,\ \left(\frac{6\times 8}{2}\right)^1,\ 6\,\text{root}\left[\frac{8}{2},\,1\right],\ \text{root}\left[6\times\frac{8}{2},\,1\right],\ \text{root}\left[\frac{6\times 8}{2},\,1\right],$$

$$\left(8\times\frac{1}{2}\right)6,\ \frac{8}{1\times 2}\,6,\ \frac{8\times 1}{2}\,6,\ \frac{\frac{8}{1}}{2}\,6,\ \frac{8^1}{2}\,6,\ \frac{\text{root}[8,\,1]}{2}\,6,\ 8\left(\frac{1}{2}\,6\right),\ (8+1)\,2+6,\ 8\,\frac{1}{\frac{2}{6}},\ \frac{8}{1\times\frac{2}{6}},$$

$$\frac{8}{\frac{1\times 2}{6}},\ \frac{8\times 1}{\frac{2}{6}},\ \frac{\frac{8}{1}}{\frac{2}{6}},\ \frac{8^1}{\frac{2}{6}},\ \frac{\text{root}[8,\,1]}{\frac{2}{6}},\ 8\,(1+\text{mod}[2,\,6]),\ 8\,\text{mod}[1+2,\,6],\ 8\,(\text{mod}[1,\,6]+2),$$

$$8\left(1^6+2\right),\ 8\,(\text{root}[1,\,6]+2),\ 8\times\frac{6}{2},\ \frac{8}{1}\,\frac{6}{2},\ 8^1\,\frac{6}{2},\ \text{root}[8,\,1]\,\frac{6}{2},\ 8\times\frac{6}{2},\ \frac{8}{\frac{1}{6}\,2},\ \frac{8}{\frac{1}{\frac{6}{2}}},\ 8\,\frac{1\times 6}{2},$$

$$\frac{8\times 6}{2},\ \frac{\frac{8}{1}\,6}{2},\ \frac{8^1\,6}{2},\ \frac{\text{root}[8,\,1]\,6}{2},\ \frac{8\times 6}{2},\ \frac{\frac{8}{\frac{1}{6}}}{2},\ \frac{8}{2}\,6,\ \frac{8}{2\times 1}\,6,\ \frac{8}{\frac{2}{1}}\,6,\ \frac{8}{2^1}\,6,\ \frac{8}{\text{root}[2,\,1]}\,6,\ \frac{\frac{8}{2}}{1}\,6,$$

$$\left(\frac{8}{2}\right)^1 6,\ \text{root}\left[\frac{8}{2},\,1\right]6,\ \frac{8}{2}\,6,\ \frac{8}{2\times\frac{1}{6}},\ \frac{8}{\frac{2}{1\times 6}},\ \frac{8}{\frac{2\times 1}{6}},\ \frac{8}{\frac{\frac{2}{1}}{6}},\ \frac{8}{\frac{2^1}{6}},\ \frac{8}{\frac{\text{root}[2,1]}{6}},\ \frac{\frac{8}{2}}{\frac{1}{6}},\ 8\,(2+\text{mod}[1,\,6]),$$

$$8\,\text{mod}[2+1,\,6],\ 8\left(2+1^6\right),\ 8\,(2+\text{root}[1,\,6]),\ \frac{8}{2}\,6,\ \frac{8}{\frac{2}{6}}\,1,\ \frac{8}{2}\,6,\ 8\,(\text{mod}[2,\,6]+1),\ \frac{8}{2}\,\frac{6}{1},$$

$$\frac{8}{\frac{2}{6}}\,1,\ \frac{8}{\frac{2}{6\times 1}},\ \frac{8}{\frac{2}{\frac{6}{1}}},\ \frac{8}{\frac{2}{6^1}},\ \frac{8}{\frac{2}{\text{root}[6,1]}},\ \frac{8}{\frac{2}{\frac{6}{1}}},\ \frac{8}{\left(\frac{2}{6}\right)^1},\ \frac{\frac{8}{2}\,6}{1},\ \frac{\frac{8}{\frac{2}{6}}}{1},\ \frac{8}{2}\,6^1,\ \left(\frac{8}{2}\,6\right)^1,\ \left(\frac{8}{\frac{2}{6}}\right)^1,\ \frac{8}{2}\,\text{root}[6,\,1],$$

$$\text{root}\left[\frac{8}{2}\,6,\,1\right],\ \text{root}\left[\frac{8}{\frac{2}{6}},\,1\right],\ (8\times 6)\,\frac{1}{2},\ 8\left(6\times\frac{1}{2}\right),\ 8\,\frac{6}{1\times 2},\ 8\,\frac{6\times 1}{2},\ \frac{8\times 6}{2},\ \frac{8\times 6}{1\times 2},\ \frac{8\times 6}{2},$$

$$8\,\frac{\frac{6}{1}}{2},\ \frac{8\times\frac{6}{1}}{2},\ \frac{\frac{8\times 6}{1}}{2},\ 8\,\frac{6^1}{2},\ \frac{8\times 6^1}{2},\ \frac{(8\times 6)^1}{2},\ 8\,\frac{\text{root}[6,\,1]}{2},\ \frac{8\,\text{root}[6,\,1]}{2},\ \frac{\text{root}[8\times 6,\,1]}{2},$$

$$8\,(6-(1+2)),\ 8\,((6-1)-2),\ 8\times\frac{6}{2},\ \frac{8\times 6}{2}\,1,\ 8\times\frac{6}{2},\ 8\,\frac{6}{2\times 1},\ 8\,\frac{6}{\frac{2}{1}},\ 8\,\frac{6}{2^1},\ 8\,\frac{6}{\text{root}[2,\,1]},$$

$$\frac{8\times 6}{2\times 1},\ \frac{8\times 6}{\frac{2}{1}},\ \frac{8\times 6}{2^1},\ \frac{8\times 6}{\text{root}[2,\,1]},\ 8\,\frac{\frac{6}{2}}{1},\ \frac{8\times\frac{6}{2}}{1},\ \frac{\frac{8\times 6}{2}}{1},\ 8\left(\frac{6}{2}\right)^1,\ \left(8\times\frac{6}{2}\right)^1,\ \left(\frac{8\times 6}{2}\right)^1,$$

$$8\,\text{root}\left[\frac{6}{2},\,1\right],\ \text{root}\left[8\times\frac{6}{2},\,1\right],\ \text{root}\left[\frac{8\times 6}{2},\,1\right],\ 8\,(6-(2+1)),\ 8\,((6-2)-1)\Big\}\Big\},$$

$$\Big\{\{1,\,2,\,6,\,9\},\ \Big\{1\,(2\times 9+6),\ 2\times 9+6,\ 2\times 9+6,\ 1\,(6+2\times 9),\ 1\times 6+2\times 9,\ 1\,(6+9\times 2),$$

$$1\times 6+9\times 2,\ (1+\text{root}[9,\,2])\,6,\ 1\,(9\times 2+6),\ 9\times 2+6,\ 9\times 2+6,\ 2\times 9+6,\ \frac{2}{1}\,9+6,\ 2^1\,9+6,$$

$$\text{root}[2,\,1]\,9+6,\ 2\times 9+6,\ \frac{2}{\frac{1}{9}}+6,\ 2\times 9+6,\ 2\times 9+6,\ 2\times\frac{9}{1}+6,\ \frac{2\times 9}{1}+6,\ 2\times 9^1+6,$$

$$(2\times 9)^1+6,\ 2\,\text{root}[9,\,1]+6,\ \text{root}[2\times 9,\,1]+6,\ 2\times 9+1\times 6,\ (2\times 9+6)\,1,\ 2\times 9+6\times 1,$$

$$2\times 9+\frac{6}{1},\ \frac{2\times 9+6}{1},\ 2\times 9+6^1,\ (2\times 9+6)^1,\ 2\times 9+\text{root}[6,\,1],\ \text{root}[2\times 9+6,\,1],\ 6\times 1+2\times 9,$$

$$\frac{6}{1}+2\times 9,\ 6^1+2\times 9,\ \text{root}[6,\,1]+2\times 9,\ 6+2\times 9,\ 6+2\times 9,\ \frac{6^{1+2}}{9},\ 6\times 1+9\times 2,\ \frac{6}{1}+9\times 2,$$

$$6^1+9\times 2,\ \text{root}[6,\,1]+9\times 2,\ 6+9\times 2,\ 6+9\times 2,\ 6\,(1+\text{root}[9,\,2]),\ 6+2\times 9,\ 6+\frac{2}{1}\,9,\ 6+2^1\,9,$$

$$6+\text{root}[2,\,1]\,9,\ 6+2\times 9,\ 6+\frac{2}{\frac{1}{9}},\ \frac{6^{2+1}}{9},\ (6+2\times 9)\,1,\ 6+2\times 9,\ 6+2\times 9,\ \frac{6}{\frac{2}{9-1}},\ 6+2\times\frac{9}{1},$$

$$6+\frac{2\times 9}{1},\ \frac{6+2\times 9}{1},\ 6+2\times 9^1,\ 6+(2\times 9)^1,\ (6+2\times 9)^1,\ 6+2\,\text{root}[9,\,1],\ 6+\text{root}[2\times 9,\,1],$$

$$\text{root}[6+2\times 9,\,1],\ \frac{6}{2}\,(9-1),\ 6+9\times 2,\ 6+\frac{9}{1}\,2,\ 6+9^1\,2,\ 6+\text{root}[9,\,1]\,2,\ 6+9\times 2,$$

$$6+\frac{9}{\frac{1}{2}},\ 6\,\frac{9-1}{2},\ \frac{6\,(9-1)}{2},\ (6+9\times 2)\,1,\ 6\,(\text{root}[9,\,2]+1),\ 6+9\times 2,\ 6+9\times 2,\ 6+9\times\frac{2}{1},$$

$$6+\frac{9\times 2}{1},\ \frac{6+9\times 2}{1},\ 6+9\times 2^1,\ 6+(9\times 2)^1,\ (6+9\times 2)^1,\ 6+9\,\text{root}[2,\,1],\ 6+\text{root}[9\times 2,\,1],$$

$$\text{root}[6+9\times 2,\,1],\ \frac{9-1}{2}\,6,\ 9\times 2+6,\ \frac{9}{1}\,2+6,\ 9^1\,2+6,\ \text{root}[9,\,1]\,2+6,\ 9\times 2+6,\ \frac{9}{\frac{1}{2}}+6,$$

$$\frac{9-1}{\frac{2}{6}},\ (9-1)\,\frac{6}{2},\ \frac{(9-1)\,6}{2},\ (\text{root}[9,\,2]+1)\,6,\ 9\times 2+6,\ 9\times 2+6,\ 9\times\frac{2}{1}+6,\ \frac{9\times 2}{1}+6,$$

$$9\times 2^1+6,\ (9\times 2)^1+6,\ 9\,\text{root}[2,\,1]+6,\ \text{root}[9\times 2,\,1]+6,\ 9\times 2+1\times 6,\ (9\times 2+6)\,1,$$

$$9\times 2+6\times 1,\ 9\times 2+\frac{6}{1},\ \frac{9\times 2+6}{1},\ 9\times 2+6^1,\ (9\times 2+6)^1,\ 9\times 2+\text{root}[6,\,1],\ \text{root}[9\times 2+6,\,1]\Big\}\Big\},$$

$$\Big\{\{1,\,2,\,6,\,10\},\ \Big\{(1+2)\,10-6,\ (1+6)\,2+10,\ 2\,(1+6)+10,\ (2+1)\,10-6,\ 2\,(6+1)+10,$$

$$2\,(10-1)+6,\ (6+1)\,2+10,\ 6-(1-10)\,2,\ 6-2\,(1-10),\ 6+2\,(10-1),\ 6+(10-1)\,2,$$

$$6\left(\frac{10}{2}-1\right),\ (10-1)\,2+6,\ 10\,(1+2)-6,\ 10+(1+6)\,2,\ \left(\frac{10}{2}-1\right)6,\ 10+2\,(1+6),$$

$$10\,(2+1)-6,\ 10+2\,(6+1),\ 10+(6+1)\,2\Big\}\Big\},\ \Big\{\{1,\,2,\,7,\,7\},\ \Big\{\frac{7\times 7-1}{2}\Big\}\Big\},$$

$$\Big\{\{1, 2, 7, 8\}, \Big\{(1+\text{mod}[2, 7])\ 8,\ \text{mod}[1+2, 7]\ 8,\ (1+2\times 8)+7,\ 1+(2\times 8+7),$$
$$(\text{mod}[1, 7]+2)\ 8,\ \left(1^7+2\right)\ 8,\ (\text{root}[1, 7]+2)\ 8,\ (1+7)\ 2+8,\ (1+7)+2\times 8,\ 1+(7+2\times 8),$$
$$(1+7)\ \text{Log}[2, 8],\ (1+7)+8\times 2,\ 1+(7+8\times 2),\ \frac{1+7}{\text{Log}[8, 2]},\ (1+8\times 2)+7,\ 1+(8\times 2+7),$$
$$\text{Log}[2, 1+7]\ 8,\ (2+\text{mod}[1, 7])\ 8,\ \text{mod}[2+1, 7]\ 8,\ \left(2+1^7\right)\ 8,\ (2+\text{root}[1, 7])\ 8,\ 2\ (1+7)+8,$$
$$\text{Log}\left[2,\ (1+7)^8\right],\ (\text{mod}[2, 7]+1)\ 8,\ \text{Log}[2, 7+1]\ 8,\ 2\ (7+1)+8,\ \text{Log}\left[2,\ (7+1)^8\right],$$
$$\text{Log}[2, 8]\ (1+7),\ (2\times 8+1)+7,\ 2\times 8+(1+7),\ \text{Log}\left[2,\ 8^{1+7}\right],\ \text{Log}[2, 8]\ (7+1),$$
$$(2\times 8+7)+1,\ 2\times 8+(7+1),\ \text{Log}\left[2,\ 8^{7+1}\right],\ \frac{7-1}{2}\ 8,\ (7+1)\ 2+8,\ (7+1)+2\times 8,\ 7+(1+2\times 8),$$
$$\frac{7-1}{\frac{2}{8}},\ (7+1)\ \text{Log}[2, 8],\ (7+1)+8\times 2,\ 7+(1+8\times 2),\ (7-1)\ \frac{8}{2},\ \frac{(7-1)\ 8}{2},\ \frac{7+1}{\text{Log}[8, 2]},$$
$$(7+2\times 8)+1,\ 7+(2\times 8+1),\ (7+8\times 2)+1,\ 7+(8\times 2+1),\ 8\ (1+\text{mod}[2, 7]),\ 8\ \text{mod}[1+2, 7],$$
$$8\ (\text{mod}[1, 7]+2),\ 8\ \left(1^7+2\right),\ 8\ (\text{root}[1, 7]+2),\ 8+(1+7)\ 2,\ \frac{8}{\text{Log}[1+7, 2]},\ (8\times 2+1)+7,$$
$$8\times 2+(1+7),\ 8+2\ (1+7),\ 8\ \text{Log}[2, 1+7],\ 8\ (2+\text{mod}[1, 7]),\ 8\ \text{mod}[2+1, 7],\ 8\ \left(2+1^7\right),$$
$$8\ (2+\text{root}[1, 7]),\ (8\times 2+7)+1,\ 8\ (\text{mod}[2, 7]+1),\ 8\times 2+(7+1),\ 8+2\ (7+1),$$
$$\frac{8}{\frac{2}{7-1}},\ 8\ \text{Log}[2, 7+1],\ \frac{8}{2}\ (7-1),\ 8+(7+1)\ 2,\ \frac{8}{\text{Log}[7+1, 2]},\ 8\ \frac{7-1}{2},\ \frac{8\ (7-1)}{2}\Big\}\Big\},$$
$$\{\{1, 2, 7, 9\}, \{(1+2\times 7)+9,\ 1+(2\times 7+9),\ (1+7\times 2)+9,\ 1+(7\times 2+9),\ (1+7)\ \text{root}[9, 2],$$
$$(1+9)+2\times 7,\ 1+(9+2\times 7),\ (1+9)+7\times 2,\ 1+(9+7\times 2),\ (2\times 7+1)+9,\ 2\times 7+(1+9),$$
$$(2\times 7+9)+1,\ 2\times 7+(9+1),\ (2\times 9-1)+7,\ 2\times 9-(1-7),\ 2\times 9+(7-1),\ (2\times 9+7)-1,$$
$$(7-1)+2\times 9,\ 7-(1-2\times 9),\ (7-1)+9\times 2,\ (7+1)\ \text{root}[9, 2],\ 7-(1-9\times 2),$$
$$(7\times 2+1)+9,\ 7\times 2+(1+9),\ (7\times 2+9)+1,\ 7\times 2+(9+1),\ 7+(2\times 9-1),\ (7+2\times 9)-1,$$
$$7+(9\times 2-1),\ (7+9\times 2)-1,\ (9+1)+2\times 7,\ 9+(1+2\times 7),\ (9+1)+7\times 2,\ 9+(1+7\times 2),$$
$$\text{root}[9, 2]\ (1+7),\ (9\times 2-1)+7,\ 9\times 2-(1-7),\ \text{root}[9, 2]\ (7+1),\ (9+2\times 7)+1,$$
$$9+(2\times 7+1),\ 9\times 2+(7-1),\ (9\times 2+7)-1,\ (9+7\times 2)+1,\ 9+(7\times 2+1)\}\},$$
$$\Big\{\{1, 2, 7, 10\}, \Big\{1\ (2\times 7+10),\ 2\times 7+10,\ 2\times 7+10,\ 1\ (7\times 2+10),\ 7\times 2+10,\ 7\times 2+10,$$
$$1\ (10+2\times 7),\ 1\times 10+2\times 7,\ 1\ (10+7\times 2),\ 1\times 10+7\times 2,\ 2\times 7+10,\ \frac{2}{1}\ 7+10,\ 2^1\ 7+10,$$
$$\text{root}[2, 1]\ 7+10,\ 2\times 7+10,\ \frac{2}{\frac{1}{7}}+10,\ 2\times 7+10,\ 2\times 7+10,\ 2\times\frac{7}{1}+10,\ \frac{2\times 7}{1}+10,$$
$$2\times 7^1+10,\ (2\times 7)^1+10,\ 2\ \text{root}[7, 1]+10,\ \text{root}[2\times 7, 1]+10,\ 2\times 7+1\times 10,\ (2\times 7+10)\ 1,$$
$$2\times 7+10\times 1,\ 2\times 7+\frac{10}{1},\ \frac{2\times 7+10}{1},\ 2\times 7+10^1,\ (2\times 7+10)^1,\ 2\times 7+\text{root}[10, 1],$$
$$\text{root}[2\times 7+10, 1],\ 7\times 2+10,\ \frac{7}{1}\ 2+10,\ 7^1\ 2+10,\ \text{root}[7, 1]\ 2+10,\ 7\times 2+10,\ \frac{7}{\frac{1}{2}}+10,$$
$$7\times 2+10,\ 7\times 2+10,\ 7\times\frac{2}{1}+10,\ \frac{7\times 2}{1}+10,\ 7\times 2^1+10,\ (7\times 2)^1+10,\ 7\ \text{root}[2, 1]+10,$$
$$\text{root}[7\times 2, 1]+10,\ 7\times 2+1\times 10,\ (7\times 2+10)\ 1,\ 7\times 2+10\times 1,\ 7\times 2+\frac{10}{1},\ \frac{7\times 2+10}{1},$$
$$7\times 2+10^1,\ (7\times 2+10)^1,\ 7\times 2+\text{root}[10, 1],\ \text{root}[7\times 2+10, 1],\ 10\times 1+2\times 7,\ \frac{10}{1}+2\times 7,$$
$$10^1+2\times 7,\ \text{root}[10, 1]+2\times 7,\ 10+2\times 7,\ 10+2\times 7,\ 10\times 1+7\times 2,\ \frac{10}{1}+7\times 2,\ 10^1+7\times 2,$$
$$\text{root}[10, 1]+7\times 2,\ 10+7\times 2,\ 10+7\times 2,\ 10+2\times 7,\ 10+\frac{2}{1}\ 7,\ 10+2^1\ 7,\ 10+\text{root}[2, 1]\ 7,$$

$$10+2\times 7,\ 10+\frac{2}{\frac{1}{7}},\ (10+2\times 7)\ 1,\ 10+2\times 7,\ 10+2\times 7,\ 10+2\times\frac{7}{1},\ 10+\frac{2\times 7}{1},\ \frac{10+2\times 7}{1},$$

$$10+2\times 7^1,\ 10+(2\times 7)^1,\ (10+2\times 7)^1,\ 10+2\,\text{root}[7,\ 1],\ 10+\text{root}[2\times 7,\ 1],$$

$$\text{root}[10+2\times 7,\ 1],\ 10+7\times 2,\ 10+\frac{7}{1}\,2,\ 10+7^1\,2,\ 10+\text{root}[7,\ 1]\ 2,\ 10+7\times 2,\ 10+\frac{7}{\frac{1}{2}},$$

$$(10+7\times 2)\ 1,\ 10+7\times 2,\ 10+7\times 2,\ 10+7\times\frac{2}{1},\ 10+\frac{7\times 2}{1},\ \frac{10+7\times 2}{1},\ 10+7\times 2^1,$$

$$10+(7\times 2)^1,\ (10+7\times 2)^1,\ 10+7\,\text{root}[2,\ 1],\ 10+\text{root}[7\times 2,\ 1],\ \text{root}[10+7\times 2,\ 1]\Big\}\Big\},$$

$$\Big\{\{1,\ 2,\ 8,\ 8\},\ \Big\{\text{Log}[2,\ 8]\ 8,\ \text{Log}[1\times 2,\ 8]\ 8,\ (1+\text{mod}[2,\ 8])\ 8,\ \text{mod}[1+2,\ 8]\ 8,\ \text{Log}[2,\ 8]\ 8,$$

$$1\ (2\times 8+8),\ 2\times 8+8,\ 2\times 8+8,\ 1\,\text{Log}\Big[2,\ 8^8\Big],\ \text{Log}\Big[1\times 2,\ 8^8\Big],\ (\text{mod}[1,\ 8]+2)\ 8,$$

$$\left(1^8+2\right)\ 8,\ (\text{root}[1,\ 8]+2)\ 8,\ \frac{1}{\text{Log}[8,\ 2]}\ 8,\ \text{root}[1+8,\ 2]\ 8,\ 1\ (8\times 2+8),\ 8\times 2+8,$$

$$8\times 2+8,\ 1\ (8+2\times 8),\ 1\times 8+2\times 8,\ \frac{1}{\frac{\text{Log}[8,2]}{8}},\ 8\,\text{Log}[2,\ 8],\ 8\,\text{Log}[2,\ 8],\ 1\ (8+8\times 2),$$

$$1\times 8+8\times 2,\ \frac{1}{\text{Log}\left[8^8,\ 2\right]},\ 1\ \frac{8}{\text{Log}[8,\ 2]},\ \frac{1\times 8}{\text{Log}[8,\ 2]},\ \text{Log}[2,\ 1\times 8]\ 8,\ \text{Log}[2\times 1,\ 8]\ 8,$$

$$\text{Log}\left[\frac{2}{1},\ 8\right]\ 8,\ \text{Log}\left[2^1,\ 8\right]\ 8,\ \text{Log}[\text{root}[2,\ 1],\ 8]\ 8,\ (2+\text{mod}[1,\ 8])\ 8,\ \text{mod}[2+1,\ 8]\ 8,$$

$$\left(2+1^8\right)\ 8,\ (2+\text{root}[1,\ 8])\ 8,\ 2\times 8+8,\ \frac{2}{1}\ 8+8,\ 2^1\ 8+8,\ \text{root}[2,\ 1]\ 8+8,\ 2\times 8+8,$$

$$\frac{2}{\frac{1}{8}}+8,\ \text{Log}\left[2,\ 1\times 8^8\right],\ \text{Log}\left[2,\ (1\times 8)^8\right],\ \text{Log}\left[2\times 1,\ 8^8\right],\ \text{Log}\left[\frac{2}{1},\ 8^8\right],\ \text{Log}\left[2^1,\ 8^8\right],$$

$$\text{Log}\left[\text{root}[2,\ 1],\ 8^8\right],\ \text{Log}[2,\ 8]\ 8,\ (\text{mod}[2,\ 8]+1)\ 8,\ \frac{\text{Log}[2,\ 8]}{1}\ 8,\ \text{Log}[2,\ 8\times 1]\ 8,$$

$$\text{Log}\left[2,\ \frac{8}{1}\right]\ 8,\ \text{Log}\left[2,\ 8^1\right]\ 8,\ \text{Log}[2,\ \text{root}[8,\ 1]]\ 8,\ \text{Log}[2,\ 8]^1\ 8,\ \text{root}[\text{Log}[2,\ 8],\ 1]\ 8,$$

$$\text{Log}[2,\ 8]\ 8,\ 2\times 8+8,\ 2\times 8+8,\ 2\times\frac{8}{1}+8,\ \frac{2\times 8}{1}+8,\ 2\times 8^1+8,\ (2\times 8)^1+8,\ 2\,\text{root}[8,\ 1]+8,$$

$$\text{root}[2\times 8,\ 1]+8,\ 2\times 8+1\times 8,\ \frac{\text{Log}[2,\ 8]}{\frac{1}{8}},\ \text{Log}\left[2,\ 8^{1\times 8}\right],\ \text{Log}\left[2,\ (8\times 1)^8\right],\ \text{Log}\left[2,\ \left(\frac{8}{1}\right)^8\right],$$

$$\text{Log}\left[2,\ \left(8^1\right)^8\right],\ \text{Log}\left[2,\ \text{root}[8,\ 1]^8\right],\ \text{Log}[2,\ 8]\ 8,\ (2\times 8+8)\ 1,\ \text{Log}\left[2,\ 8^8\right]\ 1,\ \text{Log}[2,\ 8]\ 8,$$

$$2\times 8+8\times 1,\ \text{Log}[2,\ 8]\ \frac{8}{1},\ 2\times 8+\frac{8}{1},\ \frac{\text{Log}[2,\ 8]\ 8}{1},\ \frac{2\times 8+8}{1},\ \frac{\text{Log}\left[2,\ 8^8\right]}{1},\ \text{Log}\left[2,\ 8^8\,1\right],$$

$$\text{Log}\left[2,\ \frac{8^8}{1}\right],\ \text{Log}\left[2,\ 8^{8\times 1}\right],\ \text{Log}\left[2,\ 8^{\frac{8}{1}}\right],\ \text{Log}\left[2,\ 8^{8^1}\right],\ \text{Log}\left[2,\ 8^{\text{root}[8,1]}\right],\ \text{Log}\left[2,\ \left(8^8\right)^1\right],$$

$$\text{Log}\left[2,\ \text{root}\left[8^8,\ 1\right]\right],\ \text{Log}[2,\ 8]\ 8^1,\ 2\times 8+8^1,\ (\text{Log}[2,\ 8]\ 8)^1,\ (2\times 8+8)^1,\ \text{Log}\left[2,\ 8^8\right]^1,$$

$$\text{Log}[2,\ 8]\ \text{root}[8,\ 1],\ 2\times 8+\text{root}[8,\ 1],\ \text{root}[\text{Log}[2,\ 8]\ 8,\ 1],\ \text{root}[2\times 8+8,\ 1],$$

$$\text{root}\left[\text{Log}\left[2,\ 8^8\right],\ 1\right],\ \text{root}[8+1,\ 2]\ 8,\ 8\times 2+8,\ \frac{8}{1}\ 2+8,\ 8^1\ 2+8,\ \text{root}[8,\ 1]\ 2+8,$$

$$8\times 2+8,\ \frac{8}{\frac{1}{2}}+8,\ 8\times 1+2\times 8,\ \frac{8}{1}+2\times 8,\ 8^1+2\times 8,\ \text{root}[8,\ 1]+2\times 8,\ 8+2\times 8,\ 8+2\times 8,$$

$$\frac{8}{\frac{1}{\text{Log}[2,8]}},\ 8\,\text{Log}[2,\ 8],\ \frac{8}{1}\,\text{Log}[2,\ 8],\ 8^1\,\text{Log}[2,\ 8],\ \text{root}[8,\ 1]\,\text{Log}[2,\ 8],\ 8\,\text{Log}[2,\ 8],$$

$$8\,\text{Log}[1\times 2,\ 8],\ 8\ (1+\text{mod}[2,\ 8]),\ 8\,\text{mod}[1+2,\ 8],\ 8\ (\text{mod}[1,\ 8]+2),\ 8\ \left(1^8+2\right),$$

$$8\ (\text{root}[1,\ 8]+2),\ 8\times 1+8\times 2,\ \frac{8}{1}+8\times 2,\ 8^1+8\times 2,\ \text{root}[8,\ 1]+8\times 2,\ 8+8\times 2,$$

$$8+8\times 2,\ 8\,\frac{1}{\text{Log}[8,\ 2]},\ \frac{8}{1\,\text{Log}[8,\ 2]},\ \frac{8}{\text{Log}[1\times 8,\ 2]},\ \frac{8\times 1}{\text{Log}[8,\ 2]},\ \frac{\frac{8}{1}}{\text{Log}[8,\ 2]},\ \frac{8^1}{\text{Log}[8,\ 2]},$$

$$\frac{\text{root}[8,\ 1]}{\text{Log}[8,\ 2]},\ 8\,\text{root}[1+8,\ 2],\ \left(\frac{8}{2}-1\right)\ 8,\ 8\times 2+8,\ 8\times 2+8,\ 8\times\frac{2}{1}+8,\ \frac{8\times 2}{1}+8,\ 8\times 2^1+8,$$

$$(8\times 2)^1+8,\ 8\,\text{root}[2,\ 1]+8,\ \text{root}[8\times 2,\ 1]+8,\ 8\times 2+1\times 8,\ 8+2\times 8,\ 8+\frac{2}{1}\,8,\ 8+2^1\,8,$$

$$8+\text{root}[2,\ 1]\ 8,\ 8+2\times 8,\ 8+\frac{2}{\frac{1}{8}},\ 8\,\text{Log}[2,\ 1\times 8],\ 8\,\text{Log}[2\times 1,\ 8],\ 8\,\text{Log}\left[\frac{2}{1},\ 8\right],\ 8\,\text{Log}\left[2^1,\ 8\right],$$

$$8\,\text{Log}[\text{root}[2,\ 1],\ 8],\ 8\ (2+\text{mod}[1,\ 8]),\ 8\,\text{mod}[2+1,\ 8],\ 8\ \left(2+1^8\right),\ 8\ (2+\text{root}[1,\ 8]),$$
$$(8\times 2+8)\ 1,\ (8+2\times 8)\ 1,\ 8\,\text{Log}[2,\ 8],\ 8\,\text{Log}[2,\ 8],\ 8\ (\text{mod}[2,\ 8]+1),\ 8\times 2+8\times 1,$$

$$8+2\times 8,\ 8+2\times 8,\ 8\times 2+\frac{8}{1},\ 8+2\times\frac{8}{1},\ 8+\frac{2\times 8}{1},\ \frac{8\times 2+8}{1},\ \frac{8+2\times 8}{1},\ 8\,\frac{\text{Log}[2,\ 8]}{1},$$

$$\frac{8\,\text{Log}[2,\ 8]}{1},\ 8\,\text{Log}[2,\ 8\times 1],\ 8\,\text{Log}\left[2,\ \frac{8}{1}\right],\ 8\,\text{Log}\left[2,\ 8^1\right],\ 8\,\text{Log}[2,\ \text{root}[8,\ 1]],$$
$$8\times 2+8^1,\ 8+2\times 8^1,\ 8+(2\times 8)^1,\ (8\times 2+8)^1,\ (8+2\times 8)^1,\ 8\,\text{Log}[2,\ 8]^1,\ (8\,\text{Log}[2,\ 8])^1,$$
$$8\times 2+\text{root}[8,\ 1],\ 8+2\,\text{root}[8,\ 1],\ 8+\text{root}[2\times 8,\ 1],\ \text{root}[8\times 2+8,\ 1],\ \text{root}[8+2\times 8,\ 1],$$

$$8\,\text{root}[\text{Log}[2,\ 8],\ 1],\ \text{root}[8\,\text{Log}[2,\ 8],\ 1],\ 8+8\times 2,\ 8+\frac{8}{1}\,2,\ 8+8^1\,2,\ 8+\text{root}[8,\ 1]\,2,$$

$$8+8\times 2,\ 8+\frac{8}{\frac{1}{2}},\ \frac{8}{\text{Log}[8,\ 1\times 2]},\ \frac{8}{\text{Log}[8\times 1,\ 2]},\ \frac{8}{\text{Log}\left[\frac{8}{1},\ 2\right]},\ \frac{8}{\text{Log}\left[8^1,\ 2\right]},\ \frac{8}{\text{Log}[\text{root}[8,\ 1],\ 2]},$$

$$8\,\text{root}[8+1,\ 2],\ (8+8\times 2)\ 1,\ \frac{8}{\text{Log}[8,\ 2]}\ 1,\ 8+8\times 2,\ 8+8\times 2,\ 8+8\times\frac{2}{1},\ \frac{8}{\text{Log}[8,\ 2]\ 1},$$

$$\frac{8}{\frac{\text{Log}[8,2]}{1}},\ \frac{8}{\text{Log}[8,\ 2\times 1]},\ \frac{8}{\text{Log}\left[8,\ \frac{2}{1}\right]},\ \frac{8}{\text{Log}\left[8,\ 2^1\right]},\ \frac{8}{\text{Log}[8,\ \text{root}[2,\ 1]]},\ \frac{8}{\text{Log}[8,\ 2]^1},$$

$$8+\frac{8\times 2}{1},\ \frac{8+8\times 2}{1},\ \frac{\frac{8}{\text{Log}[8,2]}}{1},\ 8+8\times 2^1,\ 8+(8\times 2)^1,\ (8+8\times 2)^1,\ \left(\frac{8}{\text{Log}[8,\ 2]}\right)^1,$$

$$8+8\,\text{root}[2,\ 1],\ 8+\text{root}[8\times 2,\ 1],\ \text{root}[8+8\times 2,\ 1],\ \text{root}\left[\frac{8}{\text{Log}[8,\ 2]},\ 1\right],\ 8\ \left(\frac{8}{2}-1\right)\Big\}\Big\},$$

$$\Big\{\{1,\ 2,\ 8,\ 9\},\ \Big\{(1+2)\ \text{mod}[8,\ 9],\ (1+\text{mod}[2,\ 9])\ 8,\ \text{mod}[1+2,\ 9]\ 8,\ 8\,\text{root}[9,\ 2],$$
$$8\,\text{root}[9,\ 2],\ (\text{mod}[1,\ 9]+2)\ 8,\ \left(1^9+2\right)\ 8,\ (\text{root}[1,\ 9]+2)\ 8,\ \text{root}[9,\ 2]\ 8,$$
$$\text{root}[1\times 9,\ 2]\ 8,\ \text{root}[9,\ 2]\ 8,\ (2+1)\ \text{mod}[8,\ 9],\ (2+\text{mod}[1,\ 9])\ 8,\ \text{mod}[2+1,\ 9]\ 8,$$
$$\left(2+1^9\right)\ 8,\ (2+\text{root}[1,\ 9])\ 8,\ (2\times 8-1)+9,\ 2\times 8-(1-9),\ \text{Log}\left[2,\ 8^{9-1}\right],\ \text{Log}[2,\ 8]\ (9-1),$$
$$2\times 8+(9-1),\ (2\times 8+9)-1,\ (\text{mod}[2,\ 9]+1)\ 8,\ \text{Log}[2,\ 9-1]\ 8,\ 2\ (9-1)+8,$$

$$\text{Log}\left[2,\ (9-1)^8\right],\ \frac{8}{1+2}\,9,\ \frac{8}{\frac{1+2}{9}},\ 8\ (1+\text{mod}[2,\ 9]),\ 8\,\text{mod}[1+2,\ 9],\ 8\ (\text{mod}[1,\ 9]+2),$$

$$8\ \left(1^9+2\right),\ 8\ (\text{root}[1,\ 9]+2),\ \frac{8}{\frac{1}{\text{root}[9,2]}},\ 8\,\text{root}[9,\ 2],\ \frac{8}{1}\,\text{root}[9,\ 2],\ 8^1\,\text{root}[9,\ 2],$$

$$\text{root}[8,1]\,\text{root}[9,2],\ 8\,\text{root}[9,2],\ 8\,\text{root}[1\times 9,2],\ 8-(1-9)\,2,\ \frac{8}{2+1}\,9,\ (8\times 2-1)+9,$$

$$\frac{8}{\frac{2+1}{9}},\ 8\,(2+\text{mod}[1,9]),\ 8\,\text{mod}[2+1,9],\ 8\left(2+1^{9}\right),\ 8\,(2+\text{root}[1,9]),\ 8-2\,(1-9),$$

$$8\times 2-(1-9),\ 8\,(\text{mod}[2,9]+1),\ 8\,\text{Log}[2,9-1],\ 8\times 2+(9-1),\ 8+2\,(9-1),\ (8\times 2+9)-1,$$

$$\text{mod}[8,9]\,(1+2),\ 8+(9-1)\,2,\ \frac{8}{\text{Log}[9-1,2]},\ 8\,\frac{9}{1+2},\ \frac{8\times 9}{1+2},\ 8\times 9^{\frac{1}{2}},\ 8\,\text{root}[9,1\times 2],$$

$$8\,\text{root}[9\times 1,2],\ 8\,\text{root}\left[\frac{9}{1},2\right],\ 8\,\text{root}\left[9^{1},2\right],\ 8\,\text{root}[\text{root}[9,1],2],\ 8\,\text{root}[9,2],$$

$$8\,\text{root}[9,2],\ \text{mod}[8,9]\,(2+1),\ 8\,\frac{9}{2+1},\ \frac{8\times 9}{2+1},\ 8\,\frac{\text{root}[9,2]}{1},\ \frac{8\,\text{root}[9,2]}{1},\ 8\,\text{root}[9,2]^{1},$$

$$(8\,\text{root}[9,2])^{1},\ 8\,\text{root}[9,2\times 1],\ 8\,\text{root}\left[9,\frac{2}{1}\right],\ 8\,\text{root}\left[9,2^{1}\right],\ 8\,\text{root}[9,\text{root}[2,1]],$$

$$8\,\text{root}[\text{root}[9,2],1],\ \text{root}[8\,\text{root}[9,2],1],\ \frac{9}{1+2}\,8,\ 9^{\frac{1}{2}}\,8,\ \text{root}[9,1\times 2]\,8,$$

$$\text{root}[9\times 1,2]\,8,\ \text{root}\left[\frac{9}{1},2\right]\,8,\ \text{root}\left[9^{1},2\right]\,8,\ \text{root}[\text{root}[9,1],2]\,8,\ (9-1)\,2+8,$$

$$(9-1)+2\times 8,\ \frac{9}{\frac{1+2}{8}},\ (9-1)\,\text{Log}[2,8],\ 9-(1-2\times 8),\ (9-1)+8\times 2,\ \frac{9-1}{\text{Log}[8,2]},$$

$$9-(1-8\times 2),\ \text{root}[9,2]\,8,\ \frac{9}{2+1}\,8,\ \frac{\text{root}[9,2]}{1}\,8,\ \text{root}[9,2]^{1}\,8,\ \text{root}[9,2\times 1]\,8,$$

$$\text{root}\left[9,\frac{2}{1}\right]\,8,\ \text{root}\left[9,2^{1}\right]\,8,\ \text{root}[9,\text{root}[2,1]]\,8,\ \text{root}[\text{root}[9,2],1]\,8,$$

$$\text{root}[9,2]\,8,\ \frac{9}{\frac{2+1}{8}},\ \frac{\text{root}[9,2]}{\frac{1}{8}},\ \text{root}[9,2]\,8,\ \text{root}[9,2]\,8,\ \text{root}[9,2]\,\frac{8}{1},\ \frac{\text{root}[9,2]\,8}{1},$$

$$\text{root}[9,2]\,8^{1},\ (\text{root}[9,2]\,8)^{1},\ \text{root}[9,2]\,\text{root}[8,1],\ \text{root}[\text{root}[9,2]\,8,1],$$

$$9+(2\times 8-1),\ (9+2\times 8)-1,\ 9\,\frac{8}{1+2},\ \frac{9\times 8}{1+2},\ 9\,\frac{8}{2+1},\ \frac{9\times 8}{2+1},\ 9+(8\times 2-1),\ (9+8\times 2)-1\Big\}\Big\},$$

$$\Big\{\{1,2,8,10\},\ \Big\{(1+2)\,\text{mod}[8,10],\ (1+\text{mod}[2,10])\,8,\ \text{mod}[1+2,10]\,8,\ (\text{mod}[1,10]+2)\,8,$$

$$\left(1^{10}+2\right)\,8,\ (\text{root}[1,10]+2)\,8,\ (2+1)\,\text{mod}[8,10],\ (2+\text{mod}[1,10])\,8,$$

$$\text{mod}[2+1,10]\,8,\ \left(2+1^{10}\right)\,8,\ (2+\text{root}[1,10])\,8,\ 2\,(8-1)+10,\ (\text{mod}[2,10]+1)\,8,$$

$$(8-1)\,2+10,\ 8\,(1+\text{mod}[2,10]),\ 8\,\text{mod}[1+2,10],\ 8\,(\text{mod}[1,10]+2),\ 8\left(1^{10}+2\right),$$

$$8\,(\text{root}[1,10]+2),\ 8\,(2+\text{mod}[1,10]),\ 8\,\text{mod}[2+1,10],\ 8\left(2+1^{10}\right),\ 8\,(2+\text{root}[1,10]),$$

$$8\,(\text{mod}[2,10]+1),\ \text{mod}[8,10]\,(1+2),\ 8\,\text{root}[10-1,2],\ \text{mod}[8,10]\,(2+1),$$

$$\text{root}[10-1,2]\,8,\ 10-(1-8)\,2,\ 10-2\,(1-8),\ 10+2\,(8-1),\ 10+(8-1)\,2\Big\}\Big\},$$

$$\{\{1,2,9,9\},\ \{(9-1)\,\text{root}[9,2],\ \text{root}[9,2]\,(9-1)\}\},$$

$$\{\{1,2,9,10\},\ \{\}\},$$

$$\{\{1,2,10,10\},\ \{\}\},$$

$$\Big\{\{1,3,3,3\},\ \Big\{(1+3)\,(3+3),\ 1\left(3^{3}-3\right),\ 1\times 3^{3}-3,\ (1\times 3)^{3}-3,\ (3-1)^{3}\,3,$$

$$(3+1)\,(3+3),\ 3^{1\times 3}-3,\ (3\times 1)^{3}-3,\ \left(\frac{3}{1}\right)^{3}-3,\ \left(3^{1}\right)^{3}-3,\ \text{root}[3,1]^{3}-3,$$

$$(3\times 3-1)\,3,\ (3+3)\,(1+3),\ 3\,(3-1)^{3},\ 3^{3}\,1-3,\ \frac{3^{3}}{1}-3,\ 3^{3}-1\times 3,\ 3^{3\times 1}-3,\ 3^{\frac{3}{1}}-3,$$

$$3^{3^{1}}-3,\ 3^{\text{root}[3,1]}-3,\ \left(3^{3}\right)^{1}-3,\ \text{root}\left[3^{3},1\right]-3,\ \left(3^{3}-3\right)\,1,\ (3+3)\,(3+1),\ \frac{3^{3}-3}{1},$$

$$\left(3^3-3\right)^1,\ \text{root}\left[3^3-3,\ 1\right],\ 3\ (3\times 3-1),\ 3^3-3\times 1,\ 3^3-\frac{3}{1},\ 3^3-3^1,\ 3^3-\text{root}[3,\ 1]\right\}\Big\},$$

$$\Big\{\{1,\ 3,\ 3,\ 4\},\ \Big\{(3+3)\ 4,\ (1\times 3+3)\ 4,\ (3+3)\ 4,\ 1+\left(3^3-4\right),\ \left(1+3^3\right)-4,\ ((1+3)+4)\ 3,$$

$$(1+(3+4))\ 3,\ ((1+4)+3)\ 3,\ (1+(4+3))\ 3,\ 4\ (3+3),\ 4\ (3+3),\ (1-4)+3^3,\ 1-\left(4-3^3\right),$$

$$((3-1)\ 3)\ 4,\ (3\times 1+3)\ 4,\ \left(\frac{3}{1}+3\right)\ 4,\ \left(3^1+3\right)\ 4,\ (\text{root}[3,\ 1]+3)\ 4,\ (3+1\times 3)\ 4,$$

$$(3-1)\ (3\times 4),\ 3\ ((1+3)+4),\ 3\ (1+(3+4)),\ ((3-1)\ 4)\ 3,\ ((3+1)+4)\ 3,\ (3+(1+4))\ 3,$$

$$(3-1)\ (4\times 3),\ 3\ ((1+4)+3),\ 3\ (1+(4+3)),\ (3+3)\ 4,\ (3+3\times 1)\ 4,\ \left(3+\frac{3}{1}\right)\ 4,\ \frac{3+3}{1}\ 4,$$

$$\left(3+3^1\right)\ 4,\ (3+3)^1\ 4,\ (3+\text{root}[3,\ 1])\ 4,\ \text{root}[3+3,\ 1]\ 4,\ (3\ (3-1))\ 4,\ (3+3)\ 4,$$

$$3\ ((3-1)\ 4),\ 3\ ((3+1)+4),\ 3\ (3+(1+4)),\ \frac{3+3}{\frac{1}{4}},\ 3^3+(1-4),\ \left(3^3+1\right)-4,\ (3+3)\ 4,$$

$$(3+3)\ 4,\ 3\ ((3+4)+1),\ \left(3^3-4\right)+1,\ 3\ (3+(4+1)),\ (3+3)\ \frac{4}{1},\ \frac{(3+3)\ 4}{1},\ (3+3)\ 4^1,$$

$$((3+3)\ 4)^1,\ (3+3)\ \text{root}[4,\ 1],\ \text{root}[(3+3)\ 4,\ 1],\ 3^3-(4-1),\ ((3+4)+1)\ 3,\ (3+(4+1))\ 3,$$

$$3\ ((4+1)+3),\ 3\ (4+(1+3)),\ 3^{4-1}-3,\ 3\ ((4+3)+1),\ 3\ (4+(3+1)),\ (3\times 4)\ (3-1),$$

$$3\ (4\ (3-1)),\ ((4+1)+3)\ 3,\ (4+(1+3))\ 3,\ 4\ (3+3),\ \frac{4}{1}\ (3+3),\ 4^1\ (3+3),\ \text{root}[4,\ 1]\ (3+3),$$

$$4\ (3+3),\ 4\ (1\times 3+3),\ \frac{4}{\frac{1}{3+3}},\ (4-1)^3-3,\ ((4+3)+1)\ 3,\ (4+(3+1))\ 3,\ (4\ (3-1))\ 3,$$

$$4\ ((3-1)\ 3),\ 4\ (3\times 1+3),\ 4\ \left(\frac{3}{1}+3\right),\ 4\ \left(3^1+3\right),\ 4\ (\text{root}[3,\ 1]+3),\ 4\ (3+1\times 3),\ 4\ (3+3),$$

$$4\ (3+3),\ 4\ (3+3\times 1),\ 4\ \left(3+\frac{3}{1}\right),\ 4\ \frac{3+3}{1},\ \frac{4\ (3+3)}{1},\ 4\ \left(3+3^1\right),\ 4\ (3+3)^1,\ (4\ (3+3))^1,$$

$$4\ (3+\text{root}[3,\ 1]),\ 4\ \text{root}[3+3,\ 1],\ \text{root}[4\ (3+3),\ 1],\ (4\times 3)\ (3-1),\ 4\ (3\ (3-1))\Big\}\Big\},$$

$$\Big\{\{1,\ 3,\ 3,\ 5\},\ \Big\{3\ (3+5),\ 3\ (3+5),\ (3+5)\ 3,\ (1\times 3+5)\ 3,\ (3+5)\ 3,\ 3\ (5+3),\ 3\ (5+3),$$

$$(5+3)\ 3,\ (1\times 5+3)\ 3,\ (5+3)\ 3,\ 3\ (3+5),\ \frac{3}{1}\ (3+5),\ 3^1\ (3+5),\ \text{root}[3,\ 1]\ (3+5),\ 3\ (3+5),$$

$$3\ (1\times 3+5),\ \frac{3}{\frac{1}{3+5}},\ (3\times 1+5)\ 3,\ \left(\frac{3}{1}+5\right)\ 3,\ \left(3^1+5\right)\ 3,\ (\text{root}[3,\ 1]+5)\ 3,\ (3+1\times 5)\ 3,$$

$$3\ (5+3),\ \frac{3}{1}\ (5+3),\ 3^1\ (5+3),\ \text{root}[3,\ 1]\ (5+3),\ 3\ (5+3),\ 3\ (1\times 5+3),\ \frac{3}{\frac{1}{5+3}},\ 3\ (3\times 1+5),$$

$$3\ \left(\frac{3}{1}+5\right),\ 3\ \left(3^1+5\right),\ 3\ (\text{root}[3,\ 1]+5),\ 3\ (3+1\times 5),\ 3\ (3+5),\ 3\ (3+5),\ 3\ (3+5\times 1),$$

$$3\ \left(3+\frac{5}{1}\right),\ 3\ \frac{3+5}{1},\ \frac{3\ (3+5)}{1},\ 3\ \left(3+5^1\right),\ 3\ (3+5)^1,\ (3\ (3+5))^1,\ 3\ (3+\text{root}[5,\ 1]),$$

$$3\ \text{root}[3+5,\ 1],\ \text{root}[3\ (3+5),\ 1],\ (3+3)\ (5-1),\ (3+5)\ 3,\ (3+5\times 1)\ 3,\ \left(3+\frac{5}{1}\right)\ 3,$$

$$\frac{3+5}{1}\ 3,\ \left(3+5^1\right)\ 3,\ (3+5)^1\ 3,\ (3+\text{root}[5,\ 1])\ 3,\ \text{root}[3+5,\ 1]\ 3,\ (3+5)\ 3,\ 3\ (5\times 1+3),$$

$$3\ \left(\frac{5}{1}+3\right),\ 3\ \left(5^1+3\right),\ 3\ (\text{root}[5,\ 1]+3),\ 3\ (5+1\times 3),\ \frac{3+5}{\frac{1}{3}},\ (3+5)\ 3,\ 3\ (5+3),\ (3+5)\ 3,$$

$$3\,(5+3),\ 3\,(5+3\times 1),\ (3+5)\,\frac{3}{1},\ 3\left(5+\frac{3}{1}\right),\ \frac{(3+5)\,3}{1},\ 3\,\frac{5+3}{1},\ \frac{3\,(5+3)}{1},\ (3+5)\,3^1,$$

$$3\left(5+3^1\right),\ ((3+5)\,3)^1,\ 3\,(5+3)^1,\ (3\,(5+3))^1,\ (3+5)\,\text{root}[3,\,1],\ 3\,(5+\text{root}[3,\,1]),$$

$$\text{root}[(3+5)\,3,\,1],\ 3\,\text{root}[5+3,\,1],\ \text{root}[3\,(5+3),\,1],\ (5\times 1+3)\,3,\ \left(\frac{5}{1}+3\right)3,\ \left(5^1+3\right)3,$$

$$(\text{root}[5,\,1]+3)\,3,\ (5+1\times 3)\,3,\ (5-1)\,(3+3),\ (5+3)\,3,\ (5+3\times 1)\,3,\ \left(5+\frac{3}{1}\right)3,\ \frac{5+3}{1}\,3,$$

$$\left(5+3^1\right)3,\ (5+3)^1\,3,\ (5+\text{root}[3,\,1])\,3,\ \text{root}[5+3,\,1]\,3,\ (5+3)\,3,\ \frac{5+3}{\frac{1}{3}},\ (5+3)\,3,\ (5+3)\,3,$$

$$(5+3)\,\frac{3}{1},\ \frac{(5+3)\,3}{1},\ (5+3)\,3^1,\ ((5+3)\,3)^1,\ (5+3)\,\text{root}[3,\,1],\ \text{root}[(5+3)\,3,\,1]\Big\}\Big\},$$

$$\Big\{\{1,\,3,\,3,\,6\},\ \Big\{(\text{mod}[1,\,3]+3)\,6,\ \left(1^3+3\right)6,\ (\text{root}[1,\,3]+3)\,6,\ (1+6)\,3+3,$$

$$(3+\text{mod}[1,\,3])\,6,\ \left(3+1^3\right)6,\ (3+\text{root}[1,\,3])\,6,\ ((3-1)+6)\,3,\ (3-(1-6))\,3,$$

$$3\,(1+6)+3,\ 3+(1+6)\,3,\ 3\,((3-1)+6),\ 3+3\,(1+6),\ 3\,(3-(1-6)),\ 3+3\,(6+1),$$

$$3\,(3+(6-1)),\ 3\,((3+6)-1),\ (3+(6-1))\,3,\ ((3+6)-1)\,3,\ 3\,(6+1)+3,$$

$$3\,((6-1)+3),\ 3+(6+1)\,3,\ 3\,(6-(1-3)),\ 3\,(6+(3-1)),\ 3\,((6+3)-1),\ ((6-1)+3)\,3,$$

$$(6-(1-3))\,3,\ (6+1)\,3+3,\ 6\,(\text{mod}[1,\,3]+3),\ 6\left(1^3+3\right),\ 6\,(\text{root}[1,\,3]+3),$$

$$(6+(3-1))\,3,\ ((6+3)-1)\,3,\ 6\,(3+\text{mod}[1,\,3]),\ 6\left(3+1^3\right),\ 6\,(3+\text{root}[1,\,3])\Big\}\Big\},$$

$$\Big\{\{1,\,3,\,3,\,7\},\ \Big\{1\,(3+3\times 7),\ 1\times 3+3\times 7,\ (\text{mod}[1,\,3]+7)\,3,\ \left(1^3+7\right)3,\ (\text{root}[1,\,3]+7)\,3,$$

$$1\,(3\times 7+3),\ 3\times 7+3,\ 3\times 7+3,\ 1\,(3+7\times 3),\ 1\times 3+7\times 3,\ 1\,(7\times 3+3),\ 7\times 3+3,\ 7\times 3+3,$$

$$3\,(\text{mod}[1,\,3]+7),\ 3\left(1^3+7\right),\ 3\,(\text{root}[1,\,3]+7),\ 3\times 1+3\times 7,\ \frac{3}{1}+3\times 7,\ 3^1+3\times 7,$$

$$\text{root}[3,\,1]+3\times 7,\ 3+3\times 7,\ 3+3\times 7,\ 3\times 7+3,\ \frac{3}{1}\,7+3,\ 3^1\,7+3,\ \text{root}[3,\,1]\,7+3,$$

$$3\times 7+3,\ \frac{3}{\frac{1}{7}}+3,\ 3\times 1+7\times 3,\ \frac{3}{1}+7\times 3,\ 3^1+7\times 3,\ \text{root}[3,\,1]+7\times 3,\ 3+7\times 3,$$

$$3+7\times 3,\ 3+3\times 7,\ 3+\frac{3}{1}\,7,\ 3+3^1\,7,\ 3+\text{root}[3,\,1]\,7,\ 3+3\times 7,\ 3+\frac{3}{\frac{1}{7}},\ (3+3\times 7)\,1,$$

$$3+3\times 7,\ 3+3\times 7,\ 3+3\times\frac{7}{1},\ 3+\frac{3\times 7}{1},\ \frac{3+3\times 7}{1},\ 3+3\times 7^1,\ 3+(3\times 7)^1,\ (3+3\times 7)^1,$$

$$3+3\,\text{root}[7,\,1],\ 3+\text{root}[3\times 7,\,1],\ \text{root}[3+3\times 7,\,1],\ 3\times 7+3,\ 3\times 7+3,\ 3\times\frac{7}{1}+3,$$

$$\frac{3\times 7}{1}+3,\ 3\times 7^1+3,\ (3\times 7)^1+3,\ 3\,\text{root}[7,\,1]+3,\ \text{root}[3\times 7,\,1]+3,\ 3\times 7+1\times 3,$$

$$3+7\times 3,\ 3+\frac{7}{1}\,3,\ 3+7^1\,3,\ 3+\text{root}[7,\,1]\,3,\ 3+7\times 3,\ 3+\frac{7}{\frac{1}{3}},\ 3\,(7+\text{mod}[1,\,3]),\ 3\left(7+1^3\right),$$

$$3\,(7+\text{root}[1,\,3]),\ (3\times 7+3)\,1,\ (3+7\times 3)\,1,\ 3\times 7+3\times 1,\ 3+7\times 3,\ 3+7\times 3,\ 3\times 7+\frac{3}{1},$$

$$3+7\times\frac{3}{1},\ 3+\frac{7\times 3}{1},\ \frac{3\times 7+3}{1},\ \frac{3+7\times 3}{1},\ 3\times 7+3^1,\ 3+7\times 3^1,\ 3+(7\times 3)^1,\ (3\times 7+3)^1,$$

$$(3+7\times 3)^1,\ 3\times 7+\text{root}[3,\,1],\ 3+7\,\text{root}[3,\,1],\ 3+\text{root}[7\times 3,\,1],\ \text{root}[3\times 7+3,\,1],$$

$$\text{root}[3+7\times 3,\,1],\ (7+\text{mod}[1,\,3])\,3,\ \left(7+1^3\right)3,\ (7+\text{root}[1,\,3])\,3,\ 7\times 3+3,\ \frac{7}{1}\,3+3,$$

$$7^1\,3+3,\ \text{root}[7,\,1]\,3+3,\ 7\times 3+3,\ \frac{7}{\frac{1}{3}}+3,\ 7\times 3+3,\ 7\times 3+3,\ 7\times\frac{3}{1}+3,\ \frac{7\times 3}{1}+3,\ 7\times 3^1+3,$$

$$(7\times 3)^1+3,\ 7\,\text{root}[3,\,1]+3,\ \text{root}[7\times 3,\,1]+3,\ 7\times 3+1\times 3,\ (7\times 3+3)\,1,\ 7\times 3+3\times 1,$$

$$7\times 3+\frac{3}{1},\ \frac{7\times 3+3}{1},\ 7\times 3+3^1,\ (7\times 3+3)^1,\ 7\times 3+\text{root}[3,\,1],\ \text{root}[7\times 3+3,\,1]\Big\}\Big\},$$

$$\Big\{\{1,\,3,\,3,\,8\},\ \Big\{(\text{mod}[1,\,3]\,3)\,8,\ \left(1^3\,3\right)8,\ (\text{root}[1,\,3]\,3)\,8,\ \text{mod}[1,\,3]\,(3\times 8),\ 1^3\,(3\times 8),$$

$$\text{root}[1,\,3]\,(3\times 8),\ (\text{mod}[1,\,3]\,8)\,3,\ \left(1^3\,8\right)3,\ (\text{root}[1,\,3]\,8)\,3,\ \text{mod}[1,\,3]\,(8\times 3),$$

$$1^3\,(8\times 3),\ \text{root}[1,\,3]\,(8\times 3),\ (1+8)\,3-3,\ (\text{Log}[3,\,1]+3)\,8,\ (\text{mod}[3,\,1]+3)\,8,$$

$$\frac{3}{\text{mod}[1,\,3]}\,8,\ \frac{3}{1^3}\,8,\ \frac{3}{\text{root}[1,\,3]}\,8,\ (3\,\text{mod}[1,\,3])\,8,\ \text{mod}[3,\,1+3]\,8,\ \left(3\times 1^3\right)8,$$

$$3^{\text{mod}[1,3]}\,8,\ 3^{1^3}\,8,\ 3^{\text{root}[1,3]}\,8,\ (3\,\text{root}[1,\,3])\,8,\ \text{root}[3,\,\text{mod}[1,\,3]]\,8,\ \text{root}\left[3,\,1^3\right]8,$$

$$\text{root}[3,\,\text{root}[1,\,3]]\,8,\ 3\,(\text{mod}[1,\,3]\,8),\ 3\,\left(1^3\,8\right),\ 3\,(\text{root}[1,\,3]\,8),\ \text{Log}[3,\,1]+3\times 8,$$

$$\text{mod}[3,\,1]+3\times 8,\ \frac{3}{\frac{\text{mod}[1,3]}{8}},\ \frac{3}{\frac{1^3}{8}},\ \frac{3}{\frac{\text{root}[1,3]}{8}},\ 3^{1+\text{Log}[3,8]},\ (\text{Log}[3,\,1]+8)\,3,\ (\text{mod}[3,\,1]+8)\,3,$$

$$\text{Log}[3,\,1]+8\times 3,\ \text{mod}[3,\,1]+8\times 3,\ 3-(1-8)\,3,\ 3\,(1+8)-3,\ (3+\text{Log}[3,\,1])\,8,$$

$$(3+\text{mod}[3,\,1])\,8,\ \text{mod}[3,\,3+1]\,8,\ (3-\text{Log}[3,\,1])\,8,\ (3-\text{mod}[3,\,1])\,8,\ 3\,(\text{Log}[3,\,1]+8),$$

$$3\,(\text{mod}[3,\,1]+8),\ 3-3\,(1-8),\ 3^{\text{Log}[3,8]+1},\ 3+3\,(8-1),\ 3\,(8-1)+3,\ 3+(8-1)\,3,$$

$$3\,\frac{8}{\text{mod}[1,\,3]},\ 3\,\frac{8}{1^3},\ 3\,\frac{8}{\text{root}[1,\,3]},\ \frac{3\times 8}{\text{mod}[1,\,3]},\ \frac{3\times 8}{1^3},\ \frac{3\times 8}{\text{root}[1,\,3]},\ (3\times 8)\,\text{mod}[1,\,3],$$

$$3\,(8\,\text{mod}[1,\,3]),\ (3\times 8)\,1^3,\ 3\,\left(8\times 1^3\right),\ 3\times 8^{\text{mod}[1,3]},\ 3\times 8^{1^3},\ 3\times 8^{\text{root}[1,3]},\ (3\times 8)^{\text{mod}[1,3]},$$

$$(3\times 8)^{1^3},\ (3\times 8)^{\text{root}[1,3]},\ (3\times 8)\,\text{root}[1,\,3],\ 3\,(8\,\text{root}[1,\,3]),\ 3\,\text{root}[8,\,\text{mod}[1,\,3]],$$

$$3\,\text{root}\left[8,\,1^3\right],\ 3\,\text{root}[8,\,\text{root}[1,\,3]],\ \text{root}[3\times 8,\,\text{mod}[1,\,3]],\ \text{root}\left[3\times 8,\,1^3\right],$$

$$\text{root}[3\times 8,\,\text{root}[1,\,3]],\ 3\,(8+1)-3,\ 3\,(8+\text{Log}[3,\,1]),\ 3\times 8+\text{Log}[3,\,1],\ 3\,(8+\text{mod}[3,\,1]),$$

$$3\times 8+\text{mod}[3,\,1],\ 3\,(8-\text{Log}[3,\,1]),\ 3\,(8-\text{mod}[3,\,1]),\ 3\times 8-\text{Log}[3,\,1],\ 3\times 8-\text{mod}[3,\,1],$$

$$\frac{8}{\text{mod}[1,\,3]}\,3,\ \frac{8}{1^3}\,3,\ \frac{8}{\text{root}[1,\,3]}\,3,\ (8\,\text{mod}[1,\,3])\,3,\ \left(8\times 1^3\right)3,\ 8^{\text{mod}[1,3]}\,3,\ 8^{1^3}\,3,\ 8^{\text{root}[1,3]}\,3,$$

$$(8\,\text{root}[1,\,3])\,3,\ \text{root}[8,\,\text{mod}[1,\,3]]\,3,\ \text{root}\left[8,\,1^3\right]3,\ \text{root}[8,\,\text{root}[1,\,3]]\,3,$$

$$8\,(\text{mod}[1,\,3]\,3),\ 8\,\left(1^3\,3\right),\ 8\,(\text{root}[1,\,3]\,3),\ (8-1)\,3+3,\ \frac{8}{\frac{\text{mod}[1,3]}{3}},\ \frac{8}{\frac{1^3}{3}},\ \frac{8}{\frac{\text{root}[1,3]}{3}},$$

$$(8+1)\,3-3,\ (8+\text{Log}[3,\,1])\,3,\ (8+\text{mod}[3,\,1])\,3,\ (8-\text{Log}[3,\,1])\,3,\ (8-\text{mod}[3,\,1])\,3,$$

$$8\,(\text{Log}[3,\,1]+3),\ 8\,(\text{mod}[3,\,1]+3),\ 8\,\frac{3}{\text{mod}[1,\,3]},\ 8\,\frac{3}{1^3},\ 8\,\frac{3}{\text{root}[1,\,3]},\ \frac{8\times 3}{\text{mod}[1,\,3]},$$

$$\frac{8\times 3}{1^3},\ \frac{8\times 3}{\text{root}[1,\,3]},\ (8\times 3)\,\text{mod}[1,\,3],\ 8\,(3\,\text{mod}[1,\,3]),\ 8\,\text{mod}[3,\,1+3],\ (8\times 3)\,1^3,$$

$$8\,\left(3\times 1^3\right),\ 8\times 3^{\text{mod}[1,3]},\ 8\times 3^{1^3},\ 8\times 3^{\text{root}[1,3]},\ (8\times 3)^{\text{mod}[1,3]},\ (8\times 3)^{1^3},\ (8\times 3)^{\text{root}[1,3]},$$

$$(8\times 3)\,\text{root}[1,\,3],\ 8\,(3\,\text{root}[1,\,3]),\ 8\,\text{root}[3,\,\text{mod}[1,\,3]],\ 8\,\text{root}\left[3,\,1^3\right],$$

$$8\,\text{root}[3,\,\text{root}[1,\,3]],\ \text{root}[8\times 3,\,\text{mod}[1,\,3]],\ \text{root}\left[8\times 3,\,1^3\right],\ \text{root}[8\times 3,\,\text{root}[1,\,3]],$$

$$8\,(3+\text{Log}[3,\,1]),\ 8\times 3+\text{Log}[3,\,1],\ 8\,(3+\text{mod}[3,\,1]),\ 8\times 3+\text{mod}[3,\,1],\ 8\,\text{mod}[3,\,3+1],$$

$$8\,(3-\text{Log}[3,\,1]),\ 8\,(3-\text{mod}[3,\,1]),\ 8\times 3-\text{Log}[3,\,1],\ 8\times 3-\text{mod}[3,\,1]\Big\}\Big\},$$

$$\Big\{\{1,\,3,\,3,\,9\},\ \Big\{(1+3)\,(9-3),\ 1\,(3\times 9-3),\ 3\times 9-3,\ 3\times 9-3,\ 1\,(9\times 3-3),\ 9\times 3-3,$$

$$9\times 3-3,\ \left(3-\frac{1}{3}\right)9,\ (3-1)\,(3+9),\ (3-1)\,(9+3),\ (3+1)\,(9-3),\ 3\times 9-3,\ \frac{3}{1}\,9-3,$$

$$3^1\,9-3,\ \text{root}[3,\,1]\,9-3,\ 3\times 9-3,\ \frac{3}{\frac{1}{9}}-3,\ 3\,(9-\text{mod}[1,\,3]),\ 3\,\left(9-1^3\right),\ 3\,(9-\text{root}[1,\,3]),$$

$$3\times 9-3,\ 3\times 9-1\times 3,\ 3\times 9-3,\ 3\times\frac{9}{1}-3,\ \frac{3\times 9}{1}-3,\ 3\times 9^{1}-3,\ (3\times 9)^{1}-3,\ 3\,\text{root}[9,\ 1]-3,$$

$$\text{root}[3\times 9,\ 1]-3,\ (3\times 9-3)\ 1,\ \frac{3\times 9-3}{1},\ (3\times 9-3)^{1},\ \text{root}[3\times 9-3,\ 1],\ (3+9)\ (3-1),$$

$$3\times 9-3\times 1,\ 3\times 9-\frac{3}{1},\ 3\times 9-3^{1},\ 3\times 9-\text{root}[3,\ 1],\ (9-\text{mod}[1,\ 3])\ 3,\ \left(9-1^{3}\right)\ 3,$$

$$(9-\text{root}[1,\ 3])\ 3,\ 9\times 3-3,\ \frac{9}{1}\ 3-3,\ 9^{1}\ 3-3,\ \text{root}[9,\ 1]\ 3-3,\ 9\times 3-3,\ \frac{9}{\frac{1}{3}}-3,\ (9-3)\ (1+3),$$

$$9\left(3-\frac{1}{3}\right),\ 9\times 3-3,\ 9\times 3-1\times 3,\ 9\times 3-3,\ 9\times\frac{3}{1}-3,\ \frac{9\times 3}{1}-3,\ 9\times 3^{1}-3,\ (9\times 3)^{1}-3,$$

$$9\,\text{root}[3,\ 1]-3,\ \text{root}[9\times 3,\ 1]-3,\ (9\times 3-3)\ 1,\ (9-3)\ (3+1),\ \frac{9\times 3-3}{1},\ (9\times 3-3)^{1},$$

$$\text{root}[9\times 3-3,\ 1],\ (9+3)\ (3-1),\ 9\times 3-3\times 1,\ 9\times 3-\frac{3}{1},\ 9\times 3-3^{1},\ 9\times 3-\text{root}[3,\ 1]\Big\}\Big\},$$

$$\{\{1,\ 3,\ 3,\ 10\},\ \{((1-3)+10)\ 3,\ (1-(3-10))\ 3,\ (1+(10-3))\ 3,\ ((1+10)-3)\ 3,$$
$$3\ ((1-3)+10),\ 3\ (1-(3-10)),\ 3\ (1+(10-3)),\ 3\ ((1+10)-3),$$
$$3\ (10+(1-3)),\ 3\ ((10+1)-3),\ 3\ (10-1)-3,\ 3\ ((10-3)+1),\ 3\ (10-(3-1)),$$
$$(10+(1-3))\ 3,\ ((10+1)-3)\ 3,\ (10-1)\ 3-3,\ ((10-3)+1)\ 3,\ (10-(3-1))\ 3\}\},$$

$$\Big\{\{1,\ 3,\ 4,\ 4\},\ \Big\{3\ (4+4),\ 3\ (4+4),\ (4+4)\ 3,\ (1\times 4+4)\ 3,\ (4+4)\ 3,\ ((3-1)+4)\ 4,$$

$$(3-(1-4))\ 4,\ 3\ (4+4),\ \frac{3}{1}\ (4+4),\ 3^{1}\ (4+4),\ \text{root}[3,\ 1]\ (4+4),\ 3\ (4+4),$$

$$3\ (1\times 4+4),\ \frac{3}{\frac{1}{4+4}},\ (3+(4-1))\ 4,\ ((3+4)-1)\ 4,\ 3\ (4\times 1+4),\ 3\left(\frac{4}{1}+4\right),\ 3\left(4^{1}+4\right),$$

$$3\ (\text{root}[4,\ 1]+4),\ 3\ (4+1\times 4),\ 3\ (4+4),\ 3\ (4+4),\ 3\ (4+4\times 1),\ 3\left(4+\frac{4}{1}\right),\ 3\ \frac{4+4}{1},$$

$$\frac{3\ (4+4)}{1},\ 3\left(4+4^{1}\right),\ 3\ (4+4)^{1},\ (3\ (4+4))^{1},\ 3\ (4+\text{root}[4,\ 1]),\ 3\,\text{root}[4+4,\ 1],$$

$$\text{root}[3\ (4+4),\ 1],\ ((4-1)+3)\ 4,\ (4-(1-3))\ 4,\ (4\times 1+4)\ 3,\ \left(\frac{4}{1}+4\right)\ 3,\ \left(4^{1}+4\right)\ 3,$$

$$(\text{root}[4,\ 1]+4)\ 3,\ (4+1\times 4)\ 3,\ (4+(3-1))\ 4,\ ((4+3)-1)\ 4,\ 4\ ((3-1)+4),$$

$$4\ (3-(1-4)),\ 4\ (3+(4-1)),\ 4\ ((3+4)-1),\ (4+4)\ 3,\ (4+4\times 1)\ 3,\ \left(4+\frac{4}{1}\right)\ 3,$$

$$\frac{4+4}{1}\ 3,\ \left(4+4^{1}\right)\ 3,\ (4+4)^{1}\ 3,\ (4+\text{root}[4,\ 1])\ 3,\ \text{root}[4+4,\ 1]\ 3,\ (4+4)\ 3,$$

$$4\ ((4-1)+3),\ \frac{4+4}{\frac{1}{3}},\ 4\ (4-(1-3)),\ (4+4)\ 3,\ (4+4)\ 3,\ (4+4)\ \frac{3}{1},\ \frac{(4+4)\ 3}{1},\ (4+4)\ 3^{1},$$

$$((4+4)\ 3)^{1},\ (4+4)\ \text{root}[3,\ 1],\ \text{root}[(4+4)\ 3,\ 1],\ 4\ (4+(3-1)),\ 4\ ((4+3)-1)\Big\}\Big\},$$

$$\Big\{\{1,\ 3,\ 4,\ 5\},\ \Big\{(1+3)+4\times 5,\ 1+(3+4\times 5),\ (\text{mod}[1,\ 3]+5)\ 4,\ \left(1^{3}+5\right)\ 4,\ (\text{root}[1,\ 3]+5)\ 4,$$
$$(1+3)\ 5+4,\ (1+3)+5\times 4,\ 1+(3+5\times 4),\ (1+4\times 5)+3,\ 1+(4\times 5+3),\ (1+5\times 4)+3,$$
$$1+(5\times 4+3),\ (3+1)+4\times 5,\ 3+(1+4\times 5),\ (3+1)\ 5+4,\ (3+1)+5\times 4,\ 3+(1+5\times 4),$$
$$3\ ((4-1)+5),\ 3\ (4-(1-5)),\ (3+4\times 5)+1,\ 3+(4\times 5+1),\ 3\ (4+(5-1)),\ 3\ ((4+5)-1),$$
$$3\ ((5-1)+4),\ 3\ (5-(1-4)),\ (3+5\times 4)+1,\ 3+(5\times 4+1),\ (3+5)\ (4-1),\ 3\ (5+(4-1)),$$
$$3\ ((5+4)-1),\ (4-1)\ (3+5),\ 4\ (\text{mod}[1,\ 3]+5),\ 4\left(1^{3}+5\right),\ 4\ (\text{root}[1,\ 3]+5),$$
$$4+(1+3)\ 5,\ ((4-1)+5)\ 3,\ (4-(1-5))\ 3,\ (4-1)\ (5+3),\ 4+(3+1)\ 5,\ (4+(5-1))\ 3,$$
$$((4+5)-1)\ 3,\ (4\times 5+1)+3,\ 4\times 5+(1+3),\ 4+5\ (1+3),\ 4\ (5+\text{mod}[1,\ 3]),\ 4\left(5+1^{3}\right),$$
$$4\ (5+\text{root}[1,\ 3]),\ (4\times 5+3)+1,\ 4\times 5+(3+1),\ 4+5\ (3+1),\ (5+\text{mod}[1,\ 3])\ 4,\ \left(5+1^{3}\right)\ 4,$$
$$(5+\text{root}[1,\ 3])\ 4,\ 5\ (1+3)+4,\ ((5-1)+4)\ 3,\ (5-(1-4))\ 3,\ 5\ (3+1)+4,\ (5+3)\ (4-1),$$

$$(5+(4-1))\,3,\ ((5+4)-1)\,3,\ (5\times 4+1)+3,\ 5\times 4+(1+3),\ (5\times 4+3)+1,\ 5\times 4+(3+1)\}\},$$

$$\{\{1,3,4,6\},\{(\text{mod}[1,3]\,4)\,6,\ (1^3\,4)\,6,\ (\text{root}[1,3]\,4)\,6,\ (1+\text{mod}[3,4])\,6,\ \text{mod}[1,3]\,(4\times 6),$$
$$1^3\,(4\times 6),\ \text{root}[1,3]\,(4\times 6),\ (\text{mod}[1,3]\,6)\,4,\ (1^3\,6)\,4,\ (\text{root}[1,3]\,6)\,4,\ \text{mod}[1,3]\,(6\times 4),$$
$$1^3\,(6\times 4),\ \text{root}[1,3]\,(6\times 4),\ (\text{mod}[1,4]+3)\,6,\ (1^4+3)\,6,\ (\text{root}[1,4]+3)\,6,$$
$$(\text{Log}[3,1]+4)\,6,\ (\text{mod}[3,1]+4)\,6,\ (3+\text{mod}[1,4])\,6,\ (3+1^4)\,6,\ (3+\text{root}[1,4])\,6,$$
$$\text{Log}[3,1]+4\times 6,\ \text{mod}[3,1]+4\times 6,\ (\text{Log}[3,1]+6)\,4,\ (\text{mod}[3,1]+6)\,4,\ \text{Log}[3,1]+6\times 4,$$
$$\text{mod}[3,1]+6\times 4,\ (\text{mod}[3,4]+1)\,6,\ \frac{4}{\text{mod}[1,3]}\,6,\ \frac{4}{1^3}\,6,\ \frac{4}{\text{root}[1,3]}\,6,\ (4\,\text{mod}[1,3])\,6,$$
$$(4\times 1^3)\,6,\ 4^{\text{mod}[1,3]}\,6,\ 4^{1^3}\,6,\ 4^{\text{root}[1,3]}\,6,\ (4\,\text{root}[1,3])\,6,\ \text{root}[4,\text{mod}[1,3]]\,6,$$
$$\text{root}[4,1^3]\,6,\ \text{root}[4,\text{root}[1,3]]\,6,\ 4\,(\text{mod}[1,3]\,6),\ 4\,(1^3\,6),\ 4\,(\text{root}[1,3]\,6),\ \frac{4}{\frac{\text{mod}[1,3]}{6}},$$
$$\frac{4}{\frac{1^3}{6}},\ \frac{4}{\frac{\text{root}[1,3]}{6}},\ (4+\text{Log}[3,1])\,6,\ (4+\text{mod}[3,1])\,6,\ (4-\text{Log}[3,1])\,6,\ (4-\text{mod}[3,1])\,6,$$
$$4\,(\text{Log}[3,1]+6),\ 4\,(\text{mod}[3,1]+6),\ 4\,\frac{6}{\text{mod}[1,3]},\ 4\,\frac{6}{1^3},\ 4\,\frac{6}{\text{root}[1,3]},\ \frac{4\times 6}{\text{mod}[1,3]},$$
$$\frac{4\times 6}{1^3},\ \frac{4\times 6}{\text{root}[1,3]},\ (4\times 6)\,\text{mod}[1,3],\ 4\,(6\,\text{mod}[1,3]),\ (4\times 6)\,1^3,\ 4\,(6\times 1^3),\ 4\times 6^{\text{mod}[1,3]},$$
$$4\times 6^{1^3},\ 4\times 6^{\text{root}[1,3]},\ (4\times 6)^{\text{mod}[1,3]},\ (4\times 6)^{1^3},\ (4\times 6)^{\text{root}[1,3]},\ (4\times 6)\,\text{root}[1,3],$$
$$4\,(6\,\text{root}[1,3]),\ 4\,\text{root}[6,\text{mod}[1,3]],\ 4\,\text{root}[6,1^3],\ 4\,\text{root}[6,\text{root}[1,3]],$$
$$\text{root}[4\times 6,\text{mod}[1,3]],\ \text{root}[4\times 6,1^3],\ \text{root}[4\times 6,\text{root}[1,3]],\ 4\,(6+\text{Log}[3,1]),$$
$$4\times 6+\text{Log}[3,1],\ 4\,(6+\text{mod}[3,1]),\ 4\times 6+\text{mod}[3,1],\ 4\,(6-\text{Log}[3,1]),\ 4\,(6-\text{mod}[3,1]),$$
$$4\times 6-\text{Log}[3,1],\ 4\times 6-\text{mod}[3,1],\ \frac{6}{\text{mod}[1,3]}\,4,\ \frac{6}{1^3}\,4,\ \frac{6}{\text{root}[1,3]}\,4,\ (6\,\text{mod}[1,3])\,4,$$
$$(6\times 1^3)\,4,\ 6^{\text{mod}[1,3]}\,4,\ 6^{1^3}\,4,\ 6^{\text{root}[1,3]}\,4,\ (6\,\text{root}[1,3])\,4,\ \text{root}[6,\text{mod}[1,3]]\,4,$$
$$\text{root}[6,1^3]\,4,\ \text{root}[6,\text{root}[1,3]]\,4,\ 6\,(\text{mod}[1,3]\,4),\ 6\,(1^3\,4),\ 6\,(\text{root}[1,3]\,4),\ \frac{6}{\frac{\text{mod}[1,3]}{4}},$$
$$\frac{6}{\frac{1^3}{4}},\ \frac{6}{\frac{\text{root}[1,3]}{4}},\ \frac{6}{1-\frac{3}{4}},\ 6\,(1+\text{mod}[3,4]),\ 6\,(\text{mod}[1,4]+3),\ 6\,(1^4+3),\ 6\,(\text{root}[1,4]+3),$$
$$(6+\text{Log}[3,1])\,4,\ (6+\text{mod}[3,1])\,4,\ (6-\text{Log}[3,1])\,4,\ (6-\text{mod}[3,1])\,4,\ 6\,(\text{Log}[3,1]+4),$$
$$6\,(\text{mod}[3,1]+4),\ 6\,(3+\text{mod}[1,4]),\ 6\,(3+1^4),\ 6\,(3+\text{root}[1,4]),\ 6\,(\text{mod}[3,4]+1),$$
$$6\,\frac{4}{\text{mod}[1,3]},\ 6\,\frac{4}{1^3},\ 6\,\frac{4}{\text{root}[1,3]},\ \frac{6\times 4}{\text{mod}[1,3]},\ \frac{6\times 4}{1^3},\ \frac{6\times 4}{\text{root}[1,3]},\ (6\times 4)\,\text{mod}[1,3],$$
$$6\,(4\,\text{mod}[1,3]),\ (6\times 4)\,1^3,\ 6\,(4\times 1^3),\ 6\times 4^{\text{mod}[1,3]},\ 6\times 4^{1^3},\ 6\times 4^{\text{root}[1,3]},\ (6\times 4)^{\text{mod}[1,3]},$$
$$(6\times 4)^{1^3},\ (6\times 4)^{\text{root}[1,3]},\ (6\times 4)\,\text{root}[1,3],\ 6\,(4\,\text{root}[1,3]),\ 6\,\text{root}[4,\text{mod}[1,3]],$$
$$6\,\text{root}[4,1^3],\ 6\,\text{root}[4,\text{root}[1,3]],\ \text{root}[6\times 4,\text{mod}[1,3]],\ \text{root}[6\times 4,1^3],$$
$$\text{root}[6\times 4,\text{root}[1,3]],\ 6\,(4+\text{Log}[3,1]),\ 6\times 4+\text{Log}[3,1],\ 6\,(4+\text{mod}[3,1]),$$
$$6\times 4+\text{mod}[3,1],\ 6\,(4-\text{Log}[3,1]),\ 6\,(4-\text{mod}[3,1]),\ 6\times 4-\text{Log}[3,1],\ 6\times 4-\text{mod}[3,1]\}\},$$

$$\{\{1,3,4,7\},\{(1+3)\,7-4,\ (\text{mod}[1,4]+7)\,3,\ (1^4+7)\,3,\ (\text{root}[1,4]+7)\,3,$$
$$(1+7)\,\text{mod}[3,4],\ 3\,(\text{mod}[1,4]+7),\ 3\,(1^4+7),\ 3\,(\text{root}[1,4]+7),\ 3-(1-4)\,7,\ (3+1)\,7-4,$$
$$\text{mod}[3,4]\,(1+7),\ 3+(4-1)\,7,\ \text{mod}[3,4]\,(7+1),\ (3\times 7-1)+4,\ 3\,(7+\text{mod}[1,4]),$$
$$3\,(7+1^4),\ 3\,(7+\text{root}[1,4]),\ 3-7\,(1-4),\ 3\times 7-(1-4),\ 3\times 7+(4-1),\ 3+7\,(4-1),$$
$$(3\times 7+4)-1,\ (4-1)+3\times 7,\ 4-(1-3\times 7),\ (4-1)\,7+3,\ (4-1)+7\times 3,\ 4-(1-7\times 3),$$
$$4+(3\times 7-1),\ (4+3\times 7)-1,\ 4\,(7-\text{mod}[1,3]),\ 4\,(7-1^3),\ 4\,(7-\text{root}[1,3]),\ 4\times 7-(1+3),$$
$$(4\times 7-1)-3,\ 4+(7\times 3-1),\ 4\times 7-(3+1),\ (4+7\times 3)-1,\ (4\times 7-3)-1,\ (7-\text{mod}[1,3])\,4,$$

$$\left(7-1^3\right)\,4,\ (7-\text{root}[1,\,3])\,4,\ (7+1)\,\text{mod}[3,\,4],\ 7\,(1+3)-4,\ (7+\text{mod}[1,\,4])\,3,$$
$$\left(7+1^4\right)\,3,\ (7+\text{root}[1,\,4])\,3,\ (7\times 3-1)+4,\ 7\times 3-(1-4),\ 7\,(3+1)-4,\ 7\times 3+(4-1),$$
$$(7\times 3+4)-1,\ 7\,(4-1)+3,\ 7\times 4-(1+3),\ (7\times 4-1)-3,\ 7\times 4-(3+1),\ (7\times 4-3)-1\Big\}\Big\},$$
$$\Big\{\{1,\,3,\,4,\,8\},\ \Big\{\text{mod}[3,\,4]\,8,\ \text{mod}[1\times 3,\,4]\,8,\ \text{mod}[3,\,4]\,8,\ (1+3)\,4+8,\ ((1-3)+8)\,4,$$
$$(1-(3-8))\,4,\ (\text{mod}[1,\,4]\,3)\,8,\ \left(1^4\,3\right)\,8,\ (\text{root}[1,\,4]\,3)\,8,\ \text{mod}[1,\,4]\,(3\times 8),\ 1^4\,(3\times 8),$$
$$\text{root}[1,\,4]\,(3\times 8),\ (\text{mod}[1,\,4]\,8)\,3,\ \left(1^4\,8\right)\,3,\ (\text{root}[1,\,4]\,8)\,3,\ \text{mod}[1,\,4]\,(8\times 3),$$
$$1^4\,(8\times 3),\ \text{root}[1,\,4]\,(8\times 3),\ (1+(8-3))\,4,\ ((1+8)-3)\,4,\ 8\,\text{mod}[3,\,4],\ 8\,\text{mod}[3,\,4],$$
$$\frac{3}{\text{mod}[1,\,4]}\,8,\ \frac{3}{1^4}\,8,\ \frac{3}{\text{root}[1,\,4]}\,8,\ (3\,\text{mod}[1,\,4])\,8,\ \text{mod}[3,\,1\times 4]\,8,\ \text{mod}[3,\,1+4]\,8,$$
$$\text{mod}[3\times 1,\,4]\,8,\ \text{mod}\left[\frac{3}{1},\,4\right]\,8,\ \text{mod}\left[3^1,\,4\right]\,8,\ \text{mod}[\text{root}[3,\,1],\,4]\,8,\ \left(3\times 1^4\right)\,8,\ 3^{\text{mod}[1,4]}\,8,\ 3^{1^4}\,8,$$
$$3^{\text{root}[1,4]}\,8,\ (3\,\text{root}[1,\,4])\,8,\ \text{root}[3,\,\text{mod}[1,\,4]]\,8,\ \text{root}\left[3,\,1^4\right]\,8,\ \text{root}[3,\,\text{root}[1,\,4]]\,8,$$
$$3\,(\text{mod}[1,\,4]\,8),\ 3\,\left(1^4\,8\right),\ 3\,(\text{root}[1,\,4]\,8),\ (3-1)\,(4+8),\ (3+1)\,4+8,\ (3-1)^4+8,$$
$$\frac{3}{\frac{\text{mod}[1,4]}{8}},\ \frac{3}{\frac{1^4}{8}},\ \frac{3}{\frac{\text{root}[1,4]}{8}},\ (3-1)\,(8+4),\ \text{mod}[3,\,4]\,8,\ \frac{\text{mod}[3,\,4]}{1}\,8,\ (3+\text{Log}[4,\,1])\,8,$$
$$\text{mod}[3,\,4\times 1]\,8,\ \text{mod}[3,\,4+1]\,8,\ \text{mod}\left[3,\,\frac{4}{1}\right]\,8,\ \text{mod}\left[3,\,4^1\right]\,8,\ \text{mod}[3,\,\text{root}[4,\,1]]\,8,$$
$$(3+\text{mod}[4,\,1])\,8,\ \text{mod}[3,\,4]^1\,8,\ \text{root}[\text{mod}[3,\,4],\,1]\,8,\ (3-\text{Log}[4,\,1])\,8,\ (3-\text{mod}[4,\,1])\,8,$$
$$\text{mod}[3,\,4]\,8,\ 3\,(\text{Log}[4,\,1]+8),\ 3\,(\text{mod}[4,\,1]+8),\ \frac{\text{mod}[3,\,4]}{\frac{1}{8}},\ \text{mod}[3,\,4]\,8,\ \text{mod}[3,\,4]\,8,$$
$$\text{mod}[3,\,4]\,\frac{8}{1},\ \frac{\text{mod}[3,\,4]\,8}{1},\ \text{mod}[3,\,4]\,8^1,\ (\text{mod}[3,\,4]\,8)^1,\ \text{mod}[3,\,4]\,\text{root}[8,\,1],$$
$$\text{root}[\text{mod}[3,\,4]\,8,\,1],\ 3\,\frac{8}{\text{mod}[1,\,4]},\ 3\,\frac{8}{1^4},\ 3\,\frac{8}{\text{root}[1,\,4]},\ \frac{3\times 8}{\text{mod}[1,\,4]},\ \frac{3\times 8}{1^4},\ \frac{3\times 8}{\text{root}[1,\,4]},$$
$$(3\times 8)\,\text{mod}[1,\,4],\ 3\,(8\,\text{mod}[1,\,4]),\ (3\times 8)\,1^4,\ 3\,\left(8\times 1^4\right),\ 3\times 8^{\text{mod}[1,4]},\ 3\times 8^{1^4},\ 3\times 8^{\text{root}[1,4]},$$
$$(3\times 8)^{\text{mod}[1,4]},\ (3\times 8)^{1^4},\ (3\times 8)^{\text{root}[1,4]},\ (3\times 8)\,\text{root}[1,\,4],\ 3\,(8\,\text{root}[1,\,4]),$$
$$3\,\text{root}[8,\,\text{mod}[1,\,4]],\ 3\,\text{root}\left[8,\,1^4\right],\ 3\,\text{root}[8,\,\text{root}[1,\,4]],\ \text{root}[3\times 8,\,\text{mod}[1,\,4]],$$
$$\text{root}\left[3\times 8,\,1^4\right],\ \text{root}[3\times 8,\,\text{root}[1,\,4]],\ 3\,(8+\text{Log}[4,\,1]),\ 3\times 8+\text{Log}[4,\,1],$$
$$3\,(8+\text{mod}[4,\,1]),\ 3\times 8+\text{mod}[4,\,1],\ 3\,(8-\text{Log}[4,\,1]),\ 3\,(8-\text{mod}[4,\,1]),\ 3\times 8-\text{Log}[4,\,1],$$
$$3\times 8-\text{mod}[4,\,1],\ (\text{Log}[4,\,1]+3)\,8,\ (\text{mod}[4,\,1]+3)\,8,\ (4-\text{mod}[1,\,3])\,8,\ \left(4-1^3\right)\,8,$$
$$(4-\text{root}[1,\,3])\,8,\ 4\,(1+3)+8,\ 4\,((1-3)+8),\ \text{Log}[4,\,1]+3\times 8,\ \text{mod}[4,\,1]+3\times 8,$$
$$4\,(1-(3-8)),\ (\text{Log}[4,\,1]+8)\,3,\ (\text{mod}[4,\,1]+8)\,3,\ \text{Log}[4,\,1]+8\times 3,\ \text{mod}[4,\,1]+8\times 3,$$
$$4\,(1+(8-3)),\ 4\,((1+8)-3),\ 4\,(3+1)+8,\ 4^{3-1}+8,\ 4\,(8+(1-3)),\ 4\,((8+1)-3),$$
$$4\,((8-3)+1),\ (4+8)\,(3-1),\ 4\,(8-(3-1)),\ (8+(1-3))\,4,\ ((8+1)-3)\,4,\ 8+(1+3)\,4,$$
$$\frac{8}{\frac{1}{\text{mod}[3,4]}},\ 8\,\text{mod}[3,\,4],\ \frac{8}{1}\,\text{mod}[3,\,4],\ 8^1\,\text{mod}[3,\,4],\ \text{root}[8,\,1]\,\text{mod}[3,\,4],\ 8\,\text{mod}[3,\,4],$$
$$8\,\text{mod}[1\times 3,\,4],\ \frac{8}{\text{mod}[1,\,4]}\,3,\ \frac{8}{1^4}\,3,\ \frac{8}{\text{root}[1,\,4]}\,3,\ (8\,\text{mod}[1,\,4])\,3,\ \left(8\times 1^4\right)\,3,$$
$$8^{\text{mod}[1,4]}\,3,\ 8^{1^4}\,3,\ 8^{\text{root}[1,4]}\,3,\ (8\,\text{root}[1,\,4])\,3,\ \text{root}[8,\,\text{mod}[1,\,4]]\,3,\ \text{root}\left[8,\,1^4\right]\,3,$$
$$\text{root}[8,\,\text{root}[1,\,4]]\,3,\ 8\,(\text{mod}[1,\,4]\,3),\ 8\,\left(1^4\,3\right),\ 8\,(\text{root}[1,\,4]\,3),\ \frac{8}{\frac{\text{mod}[1,4]}{3}},\ \frac{8}{\frac{1^4}{3}},$$
$$\frac{8}{\frac{\text{root}[1,4]}{3}},\ ((8-3)+1)\,4,\ (8-(3-1))\,4,\ 8+(3+1)\,4,\ 8\,\frac{3}{\text{mod}[1,\,4]},\ 8\,\frac{3}{1^4},\ 8\,\frac{3}{\text{root}[1,\,4]},$$

$$\frac{8\times 3}{\text{mod}[1,\,4]},\ \frac{8\times 3}{1^4},\ \frac{8\times 3}{\text{root}[1,\,4]},\ (8\times 3)\ \text{mod}[1,\,4],\ 8\ (3\ \text{mod}[1,\,4]),\ 8\ \text{mod}[3,\,1\times 4],$$

$$8\ \text{mod}[3,\,1+4],\ 8\ \text{mod}[3\times 1,\,4],\ 8\ \text{mod}\left[\frac{3}{1},\,4\right],\ 8\ \text{mod}\left[3^1,\,4\right],\ 8\ \text{mod}[\text{root}[3,\,1],\,4],$$

$$(8\times 3)\ 1^4,\ 8\ \left(3\times 1^4\right),\ 8\times 3^{\text{mod}[1,4]},\ 8\times 3^{1^4},\ 8\times 3^{\text{root}[1,4]},\ (8\times 3)^{\text{mod}[1,4]},\ (8\times 3)^{1^4},$$

$$(8\times 3)^{\text{root}[1,4]},\ 8+(3-1)^4,\ (8\times 3)\ \text{root}[1,\,4],\ 8\ (3\ \text{root}[1,\,4]),\ 8\ \text{root}[3,\,\text{mod}[1,\,4]],$$

$$8\ \text{root}\left[3,\,1^4\right],\ 8\ \text{root}[3,\,\text{root}[1,\,4]],\ \text{root}[8\times 3,\,\text{mod}[1,\,4]],\ \text{root}\left[8\times 3,\,1^4\right],$$

$$\text{root}[8\times 3,\,\text{root}[1,\,4]],\ 8\ \text{mod}[3,\,4],\ 8\ \text{mod}[3,\,4],\ 8\ \frac{\text{mod}[3,\,4]}{1},\ \frac{8\ \text{mod}[3,\,4]}{1},$$

$$8\ (3+\text{Log}[4,\,1]),\ 8\times 3+\text{Log}[4,\,1],\ 8\ \text{mod}[3,\,4\times 1],\ 8\ \text{mod}[3,\,4+1],\ 8\ \text{mod}\left[3,\,\frac{4}{1}\right],$$

$$8\ \text{mod}\left[3,\,4^1\right],\ 8\ \text{mod}[3,\,\text{root}[4,\,1]],\ 8\ (3+\text{mod}[4,\,1]),\ 8\times 3+\text{mod}[4,\,1],\ 8\ \text{mod}[3,\,4]^1,$$

$$(8\ \text{mod}[3,\,4])^1,\ 8\ \text{root}[\text{mod}[3,\,4],\,1],\ \text{root}[8\ \text{mod}[3,\,4],\,1],\ 8\ (3-\text{Log}[4,\,1]),$$

$$8\ (3-\text{mod}[4,\,1]),\ 8\times 3-\text{Log}[4,\,1],\ 8\times 3-\text{mod}[4,\,1],\ (8+\text{Log}[4,\,1])\ 3,\ (8+\text{mod}[4,\,1])\ 3,$$

$$(8-\text{Log}[4,\,1])\ 3,\ (8-\text{mod}[4,\,1])\ 3,\ 8\ (\text{Log}[4,\,1]+3),\ 8\ (\text{mod}[4,\,1]+3),\ 8+4\ (1+3),$$

$$8\ (4-\text{mod}[1,\,3]),\ 8\ \left(4-1^3\right),\ 8\ (4-\text{root}[1,\,3]),\ 8+4\ (3+1),\ \frac{8}{\frac{4}{3}-1},\ 8+4^{3-1},\ (8+4)\ (3-1)\Big\}\Big\},$$

$$\Big\{\{1,\,3,\,4,\,9\},\ \Big\{1+(3\times 9-4),\ (1+3\times 9)-4,\ (1+4)\ 3+9,\ (1-4)+3\times 9,\ 1-(4-3\times 9),$$

$$(1-4)+9\times 3,\ 1-(4-9\times 3),\ 4\ (9-3),\ 4\ (9-3),\ (9-3)\ 4,\ (1\times 9-3)\ 4,\ (9-3)\ 4,\ 1+(9\times 3-4),$$

$$(1+9\times 3)-4,\ 3\ (1+4)+9,\ 3\ (4+1)+9,\ \text{mod}[3,\,4]\ (9-1),\ 3\times 9+(1-4),\ 3\ (9-\text{mod}[1,\,4]),$$

$$3\ \left(9-1^4\right),\ 3\ (9-\text{root}[1,\,4]),\ (3\times 9+1)-4,\ (3\times 9-4)+1,\ 3\times 9-(4-1),\ (4+1)\ 3+9,$$

$$\frac{4}{\frac{1}{9-3}},\ 4\ (9-3),\ \frac{4}{1}\ (9-3),\ 4^1\ (9-3),\ \text{root}[4,\,1]\ (9-3),\ 4\ (9-3),\ 4\ (1\times 9-3),\ (4-1)\ 9-3,$$

$$4\ (9-1\times 3),\ 4\ (9\times 1-3),\ 4\ \left(\frac{9}{1}-3\right),\ 4\ \left(9^1-3\right),\ 4\ (\text{root}[9,\,1]-3),\ 4\ (9-3),\ 4\ (9-3),$$

$$4\ \frac{9-3}{1},\ \frac{4\ (9-3)}{1},\ 4\ (9-3)^1,\ (4\ (9-3))^1,\ 4\ \text{root}[9-3,\,1],\ \text{root}[4\ (9-3),\,1],\ 4\ (9-3\times 1),$$

$$4\ \left(9-\frac{3}{1}\right),\ 4\ \left(9-3^1\right),\ 4\ (9-\text{root}[3,\,1]),\ (9-1\times 3)\ 4,\ (9\times 1-3)\ 4,\ \left(\frac{9}{1}-3\right)\ 4,\ \left(9^1-3\right)\ 4,$$

$$(\text{root}[9,\,1]-3)\ 4,\ (9-1)\ \text{mod}[3,\,4],\ (9-\text{mod}[1,\,4])\ 3,\ \left(9-1^4\right)\ 3,\ (9-\text{root}[1,\,4])\ 3,$$

$$9+(1+4)\ 3,\ (9-3)\ 4,\ \frac{9-3}{1}\ 4,\ (9-3)^1\ 4,\ \text{root}[9-3,\,1]\ 4,\ (9-3\times 1)\ 4,\ \left(9-\frac{3}{1}\right)\ 4,$$

$$\left(9-3^1\right)\ 4,\ (9-\text{root}[3,\,1])\ 4,\ (9-3)\ 4,\ 9+3\ (1+4),\ \frac{9-3}{\frac{1}{4}},\ 9\times 3+(1-4),\ (9\times 3+1)-4,$$

$$(9-3)\ 4,\ (9-3)\ 4,\ (9\times 3-4)+1,\ 9+3\ (4+1),\ (9-3)\ \frac{4}{1},\ \frac{(9-3)\ 4}{1},\ (9-3)\ 4^1,\ ((9-3)\ 4)^1,$$

$$(9-3)\ \text{root}[4,\,1],\ \text{root}[(9-3)\ 4,\,1],\ 9\times 3-(4-1),\ 9+(4+1)\ 3,\ 9\ (4-1)-3\Big\}\Big\},$$

$$\{\{1,\,3,\,4,\,10\},\ \{(1+3)\ (10-4),\ (3-1)\ 10+4,\ (3+1)\ (10-4),\ 4-(1-3)\ 10,$$

$$4+(3-1)\ 10,\ 4-10\ (1-3),\ 4\ (10-(1+3)),\ 4\ ((10-1)-3),\ 4+10\ (3-1),$$

$$4\ (10-(3+1)),\ 4\ ((10-3)-1),\ (10-(1+3))\ 4,\ ((10-1)-3)\ 4,$$

$$(10-(3+1))\ 4,\ ((10-3)-1)\ 4,\ 10\ (3-1)+4,\ (10-4)\ (1+3),\ (10-4)\ (3+1)\}\},$$

$$\Big\{\{1,\,3,\,5,\,5\},\ \Big\{\frac{5^3}{5}-1,\ 5\times 5-\text{mod}[1,\,3],\ 5\times 5-1^3,\ 5\times 5-\text{root}[1,\,3],\ 5^{\text{mod}[5,3]}-1,\ 5^{5-3}-1\Big\}\Big\},$$

$$\Big\{\{1,\,3,\,5,\,6\},\ \Big\{(1+\text{mod}[3,\,5])\ 6,\ \text{mod}[1+3,\,5]\ 6,\ (1+3\times 6)+5,\ 1+(3\times 6+5),\ (\text{mod}[1,\,5]+3)\ 6,$$

$$\left(1^5+3\right)\ 6,\ (\text{root}[1,\,5]+3)\ 6,\ (1+5)\ 3+6,\ (1+5)+3\times 6,\ 1+(5+3\times 6),\ (1+5)+6\times 3,$$

$$1+(5+6\times 3),\ (1+6\times 3)+5,\ 1+(6\times 3+5),\ (3+\text{mod}[1,\ 5])\ 6,\ \text{mod}[3+1,\ 5]\ 6,\ \left(3+1^5\right)\ 6,$$
$$(3+\text{root}[1,\ 5])\ 6,\ 3\ (1+5)+6,\ (\text{mod}[3,\ 5]+1)\ 6,\ 3\ (5+1)+6,\ (3\times 6+1)+5,$$
$$3\times 6+(1+5),\ (3\times 6+5)+1,\ 3\times 6+(5+1),\ (5-\text{mod}[1,\ 3])\ 6,\ \left(5-1^3\right)\ 6,\ (5-\text{root}[1,\ 3])\ 6,$$
$$(5+1)\ 3+6,\ (5+1)+3\times 6,\ 5+(1+3\times 6),\ (5+1)+6\times 3,\ 5+(1+6\times 3),\ (5+3\times 6)+1,$$
$$5+(3\times 6+1),\ \text{root}[5,\ 3]^6-1,\ (5+6\times 3)+1,\ 5+(6\times 3+1),\ 5^{\frac{6}{3}}-1,\ \text{root}\left[5^6,\ 3\right]-1,$$
$$6\ (1+\text{mod}[3,\ 5]),\ 6\ \text{mod}[1+3,\ 5],\ 6\ (\text{mod}[1,\ 5]+3),\ 6\ \left(1^5+3\right),\ 6\ (\text{root}[1,\ 5]+3),$$
$$6+(1+5)\ 3,\ (6\times 3+1)+5,\ 6\times 3+(1+5),\ 6+3\ (1+5),\ 6\ (3+\text{mod}[1,\ 5]),\ 6\ \text{mod}[3+1,\ 5],$$
$$6\ \left(3+1^5\right),\ 6\ (3+\text{root}[1,\ 5]),\ (6\times 3+5)+1,\ 6\ (\text{mod}[3,\ 5]+1),\ 6\times 3+(5+1),$$
$$6+3\ (5+1),\ 6+(5+1)\ 3,\ 6\ (5-\text{mod}[1,\ 3]),\ 6\ \left(5-1^3\right),\ 6\ (5-\text{root}[1,\ 3])\Big\}\Big\},$$
$$\Big\{\{1,\ 3,\ 5,\ 7\},\ \Big\{(\text{mod}[1,\ 5]+7)\ 3,\ \left(1^5+7\right)\ 3,\ (\text{root}[1,\ 5]+7)\ 3,\ (1+5)\ (7-3),$$
$$(1+7)\ \text{mod}[3,\ 5],\ (3-1)\ (5+7),\ 3\ (\text{mod}[1,\ 5]+7),\ 3\ \left(1^5+7\right),\ 3\ (\text{root}[1,\ 5]+7),$$
$$(3-1)\ (7+5),\ \text{mod}[3,\ 5]\ (1+7),\ \text{mod}[3,\ 5]\ (7+1),\ 3\ (7+\text{mod}[1,\ 5]),\ 3\ \left(7+1^5\right),$$
$$3\ (7+\text{root}[1,\ 5]),\ (5+1)\ (7-3),\ (5+7)\ (3-1),\ (7+1)\ \text{mod}[3,\ 5],\ (7+\text{mod}[1,\ 5])\ 3,$$
$$\left(7+1^5\right)\ 3,\ (7+\text{root}[1,\ 5])\ 3,\ (7-3)\ (1+5),\ (7-3)\ (5+1),\ (7+5)\ (3-1)\Big\}\Big\},$$
$$\Big\{\{1,\ 3,\ 5,\ 8\},\ \Big\{((1-3)+5)\ 8,\ \text{mod}[3,\ 5]\ 8,\ \text{mod}[1\times 3,\ 5]\ 8,\ (1-(3-5))\ 8,\ \text{mod}[3,\ 5]\ 8,$$
$$(1+3\times 5)+8,\ 1+(3\times 5+8),\ (\text{mod}[1,\ 5]\ 3)\ 8,\ \left(1^5\ 3\right)\ 8,\ (\text{root}[1,\ 5]\ 3)\ 8,\ (1+\text{mod}[5,\ 3])\ 8,$$
$$(1+(5-3))\ 8,\ ((1+5)-3)\ 8,\ \text{mod}[1,\ 5]\ (3\times 8),\ 1^5\ (3\times 8),\ \text{root}[1,\ 5]\ (3\times 8),\ (1+5\times 3)+8,$$
$$1+(5\times 3+8),\ (\text{mod}[1,\ 5]\ 8)\ 3,\ \left(1^5\ 8\right)\ 3,\ (\text{root}[1,\ 5]\ 8)\ 3,\ \text{mod}[1,\ 5]\ (8\times 3),\ 1^5\ (8\times 3),$$
$$\text{root}[1,\ 5]\ (8\times 3),\ (1+8)+3\times 5,\ 1+(8+3\times 5),\ 8\ \text{mod}[3,\ 5],\ 8\ \text{mod}[3,\ 5],\ (1+8)+5\times 3,$$
$$1+(8+5\times 3),\ \frac{3}{\text{mod}[1,\ 5]}\ 8,\ \frac{3}{1^5}\ 8,\ \frac{3}{\text{root}[1,\ 5]}\ 8,\ (3\ \text{mod}[1,\ 5])\ 8,\ \text{mod}[3,\ 1\times 5]\ 8,$$
$$\text{mod}[3,\ 1+5]\ 8,\ \text{mod}[3\times 1,\ 5]\ 8,\ \text{mod}\left[\frac{3}{1},\ 5\right]\ 8,\ \text{mod}\left[3^1,\ 5\right]\ 8,\ \text{mod}[\text{root}[3,\ 1],\ 5]\ 8,\ \left(3\times 1^5\right)\ 8,$$
$$3^{\text{mod}[1,5]}\ 8,\ 3^{1^5}\ 8,\ 3^{\text{root}[1,5]}\ 8,\ (3\ \text{root}[1,\ 5])\ 8,\ \text{root}[3,\ \text{mod}[1,\ 5]]\ 8,\ \text{root}\left[3,\ 1^5\right]\ 8,$$
$$\text{root}[3,\ \text{root}[1,\ 5]]\ 8,\ 3\ (\text{mod}[1,\ 5]\ 8),\ 3\ \left(1^5\ 8\right),\ 3\ (\text{root}[1,\ 5]\ 8),\ \frac{3}{\frac{\text{mod}[1,5]}{8}},\ \frac{3}{\frac{1^5}{8}},$$
$$\frac{3}{\frac{\text{root}[1,5]}{8}},\ (3-1)^5-8,\ \text{mod}[3,\ 5]\ 8,\ \frac{\text{mod}[3,\ 5]}{1}\ 8,\ (3+\text{Log}[5,\ 1])\ 8,\ \text{mod}[3,\ 5\times 1]\ 8,$$
$$\text{mod}[3,\ 5+1]\ 8,\ \text{mod}\left[3,\ \frac{5}{1}\right]\ 8,\ \text{mod}\left[3,\ 5^1\right]\ 8,\ \text{mod}[3,\ \text{root}[5,\ 1]]\ 8,\ \text{mod}[3,\ 5-1]\ 8,$$
$$(3+\text{mod}[5,\ 1])\ 8,\ \text{mod}[3,\ 5]^1\ 8,\ \text{root}[\text{mod}[3,\ 5],\ 1]\ 8,\ (3-\text{Log}[5,\ 1])\ 8,\ (3-\text{mod}[5,\ 1])\ 8,$$
$$\text{mod}[3,\ 5]\ 8,\ (3\times 5+1)+8,\ 3\ (\text{Log}[5,\ 1]+8),\ 3\ (\text{mod}[5,\ 1]+8),\ 3\times 5+(1+8),\ \frac{\text{mod}[3,\ 5]}{\frac{1}{8}},$$
$$\text{mod}[3,\ 5]\ 8,\ \text{mod}[3,\ 5]\ 8,\ (3\times 5+8)+1,\ 3\times 5+(8+1),\ \text{mod}[3,\ 5]\ \frac{8}{1},\ \frac{\text{mod}[3,\ 5]\ 8}{1},$$
$$\text{mod}[3,\ 5]\ 8^1,\ (\text{mod}[3,\ 5]\ 8)^1,\ \text{mod}[3,\ 5]\ \text{root}[8,\ 1],\ \text{root}[\text{mod}[3,\ 5]\ 8,\ 1],\ 3\ \frac{8}{\text{mod}[1,\ 5]},$$
$$3\ \frac{8}{1^5},\ 3\ \frac{8}{\text{root}[1,\ 5]},\ \frac{3\times 8}{\text{mod}[1,\ 5]},\ \frac{3\times 8}{1^5},\ \frac{3\times 8}{\text{root}[1,\ 5]},\ (3\times 8)\ \text{mod}[1,\ 5],\ 3\ (8\ \text{mod}[1,\ 5]),$$
$$(3\times 8)\ 1^5,\ 3\ \left(8\times 1^5\right),\ 3\times 8^{\text{mod}[1,5]},\ 3\times 8^{1^5},\ 3\times 8^{\text{root}[1,5]},\ (3\times 8)^{\text{mod}[1,5]},\ (3\times 8)^{1^5},$$
$$(3\times 8)^{\text{root}[1,5]},\ (3\times 8)\ \text{root}[1,\ 5],\ 3\ (8\ \text{root}[1,\ 5]),\ 3\ \text{root}[8,\ \text{mod}[1,\ 5]],\ 3\ \text{root}\left[8,\ 1^5\right],$$
$$3\ \text{root}[8,\ \text{root}[1,\ 5]],\ \text{root}[3\times 8,\ \text{mod}[1,\ 5]],\ \text{root}\left[3\times 8,\ 1^5\right],\ \text{root}[3\times 8,\ \text{root}[1,\ 5]],$$
$$3\ (8+\text{Log}[5,\ 1]),\ 3\times 8+\text{Log}[5,\ 1],\ 3\ (8+\text{mod}[5,\ 1]),\ 3\times 8+\text{mod}[5,\ 1],\ 3\ (8-\text{Log}[5,\ 1]),$$
$$3\ (8-\text{mod}[5,\ 1]),\ 3\times 8-\text{Log}[5,\ 1],\ 3\times 8-\text{mod}[5,\ 1],\ (\text{Log}[5,\ 1]+3)\ 8,\ (\text{mod}[5,\ 1]+3)\ 8,$$
$$(5+(1-3))\ 8,\ ((5+1)-3)\ 8,\ \text{Log}[5,\ 1]+3\times 8,\ \text{mod}[5,\ 1]+3\times 8,\ (\text{Log}[5,\ 1]+8)\ 3,$$
$$(\text{mod}[5,\ 1]+8)\ 3,\ \text{Log}[5,\ 1]+8\times 3,\ \text{mod}[5,\ 1]+8\times 3,\ (\text{mod}[5,\ 3]+1)\ 8,\ ((5-3)+1)\ 8,$$

$$(5-(3-1))\,8,\ (5\times 3+1)+8,\ 5\times 3+(1+8),\ (5\times 3+8)+1,\ 5\times 3+(8+1),\ 5^{\text{mod}[8,3]}-1,$$

$$5^{\text{root}[8,3]}-1,\ 5\,(8-3)-1,\ 8\,((1-3)+5),\ (8+1)+3\times 5,\ 8+(1+3\times 5),\ \frac{8}{\frac{1}{\text{mod}[3,5]}},$$

$$8\,\text{mod}[3,\ 5],\ \frac{8}{1}\,\text{mod}[3,\ 5],\ 8^1\,\text{mod}[3,\ 5],\ \text{root}[8,\ 1]\,\text{mod}[3,\ 5],\ 8\,\text{mod}[3,\ 5],$$

$$8\,\text{mod}[1\times 3,\ 5],\ 8\,(1-(3-5)),\ \frac{8}{\text{mod}[1,\ 5]}\,3,\ \frac{8}{1^5}\,3,\ \frac{8}{\text{root}[1,\ 5]}\,3,\ (8\,\text{mod}[1,\ 5])\,3,$$

$$\left(8\times 1^5\right)3,\ 8^{\text{mod}[1,5]}\,3,\ 8^{1^5}\,3,\ 8^{\text{root}[1,5]}\,3,\ (8\,\text{root}[1,\ 5])\,3,\ \text{root}[8,\ \text{mod}[1,\ 5]]\,3,$$

$$\text{root}\left[8,\ 1^5\right]3,\ \text{root}[8,\ \text{root}[1,\ 5]]\,3,\ 8\,(\text{mod}[1,\ 5]\,3),\ 8\left(1^5\,3\right),\ 8\,(\text{root}[1,\ 5]\,3),$$

$$(8+1)+5\times 3,\ 8+(1+5\times 3),\ \frac{8}{\frac{\text{mod}[1,5]}{3}},\ \frac{8}{\frac{1^5}{3}},\ \frac{8}{\frac{\text{root}[1,5]}{3}},\ 8\,(1+\text{mod}[5,\ 3]),\ 8\,(1+(5-3)),$$

$$8\,((1+5)-3),\ 8\,\frac{3}{\text{mod}[1,\ 5]},\ 8\,\frac{3}{1^5},\ 8\,\frac{3}{\text{root}[1,\ 5]},\ \frac{8\times 3}{\text{mod}[1,\ 5]},\ \frac{8\times 3}{1^5},\ \frac{8\times 3}{\text{root}[1,\ 5]},$$

$$(8\times 3)\,\text{mod}[1,\ 5],\ 8\,(3\,\text{mod}[1,\ 5]),\ 8\,\text{mod}[3,\ 1\times 5],\ 8\,\text{mod}[3,\ 1+5],\ 8\,\text{mod}[3\times 1,\ 5],$$

$$8\,\text{mod}\left[\frac{3}{1},\ 5\right],\ 8\,\text{mod}\left[3^1,\ 5\right],\ 8\,\text{mod}[\text{root}[3,\ 1],\ 5],\ (8\times 3)\,1^5,\ 8\left(3\times 1^5\right),\ 8\times 3^{\text{mod}[1,5]},\ 8\times 3^{1^5},$$

$$8\times 3^{\text{root}[1,5]},\ (8\times 3)^{\text{mod}[1,5]},\ (8\times 3)^{1^5},\ (8\times 3)^{\text{root}[1,5]},\ (8\times 3)\,\text{root}[1,\ 5],\ 8\,(3\,\text{root}[1,\ 5]),$$

$$8\,\text{root}[3,\ \text{mod}[1,\ 5]],\ 8\,\text{root}\left[3,\ 1^5\right],\ 8\,\text{root}[3,\ \text{root}[1,\ 5]],\ \text{root}[8\times 3,\ \text{mod}[1,\ 5]],$$

$$\text{root}\left[8\times 3,\ 1^5\right],\ \text{root}[8\times 3,\ \text{root}[1,\ 5]],\ 8\,\text{mod}[3,\ 5],\ 8\,\text{mod}[3,\ 5],\ (8+3\times 5)+1,$$

$$8+(3\times 5+1),\ 8\,\frac{\text{mod}[3,\ 5]}{1},\ \frac{8\,\text{mod}[3,\ 5]}{1},\ 8\,(3+\text{Log}[5,\ 1]),\ 8\times 3+\text{Log}[5,\ 1],\ 8\,\text{mod}[3,\ 5\times 1],$$

$$8\,\text{mod}[3,\ 5+1],\ 8\,\text{mod}\left[3,\ \frac{5}{1}\right],\ 8\,\text{mod}\left[3,\ 5^1\right],\ 8\,\text{mod}[3,\ \text{root}[5,\ 1]],\ 8\,\text{mod}[3,\ 5-1],$$

$$8\,(3+\text{mod}[5,\ 1]),\ 8\times 3+\text{mod}[5,\ 1],\ 8\,\text{mod}[3,\ 5]^1,\ (8\,\text{mod}[3,\ 5])^1,\ 8\,\text{root}[\text{mod}[3,\ 5],\ 1],$$
$$\text{root}[8\,\text{mod}[3,\ 5],\ 1],\ 8\,(3-\text{Log}[5,\ 1]),\ 8\,(3-\text{mod}[5,\ 1]),\ 8\times 3-\text{Log}[5,\ 1],$$
$$8\times 3-\text{mod}[5,\ 1],\ (8-3)\,5-1,\ (8+\text{Log}[5,\ 1])\,3,\ (8+\text{mod}[5,\ 1])\,3,\ (8-\text{Log}[5,\ 1])\,3,$$
$$(8-\text{mod}[5,\ 1])\,3,\ 8\,(\text{Log}[5,\ 1]+3),\ 8\,(\text{mod}[5,\ 1]+3),\ 8\,(5+(1-3)),\ 8\,((5+1)-3),$$
$$(8+5\times 3)+1,\ 8\,(\text{mod}[5,\ 3]+1),\ 8\,((5-3)+1),\ 8+(5\times 3+1),\ 8\,(5-(3-1))\Big\}\Big\},$$

$$\Big\{\{1,\ 3,\ 5,\ 9\},\ \Big\{1\,(3\times 5+9),\ 3\times 5+9,\ 3\times 5+9,\ \left(1+\frac{5}{3}\right)9,\ 1\,(5\times 3+9),\ 5\times 3+9,\ 5\times 3+9,$$

$$\frac{(1+5)^3}{9},\ (1-5)\,(3-9),\ 1\,(9+3\times 5),\ 1\times 9+3\times 5,\ 1\,(9+5\times 3),\ 1\times 9+5\times 3,\ 3\times 5+9,$$

$$\frac{3}{1}\,5+9,\ 3^1\,5+9,\ \text{root}[3,\ 1]\,5+9,\ 3\times 5+9,\ \frac{3}{\frac{1}{5}}+9,\ 3\times 5+9,\ 3\times 5+9,\ 3\times\frac{5}{1}+9,$$

$$\frac{3\times 5}{1}+9,\ 3\times 5^1+9,\ (3\times 5)^1+9,\ 3\,\text{root}[5,\ 1]+9,\ \text{root}[3\times 5,\ 1]+9,\ 3\times 5+1\times 9,$$

$$(3\times 5+9)\,1,\ 3\times 5+9\times 1,\ 3\times 5+\frac{9}{1},\ \frac{3\times 5+9}{1},\ 3\times 5+9^1,\ (3\times 5+9)^1,\ 3\times 5+\text{root}[9,\ 1],$$

$$\text{root}[3\times 5+9,\ 1],\ \text{mod}[3,\ 5]\,(9-1),\ (3-9)\,(1-5),\ 3\,(9-\text{mod}[1,\ 5]),\ 3\left(9-1^5\right),$$

$$3\,(9-\text{root}[1,\ 5]),\ 5\times 3+9,\ \frac{5}{1}\,3+9,\ 5^1\,3+9,\ \text{root}[5,\ 1]\,3+9,\ 5\times 3+9,\ \frac{5}{\frac{1}{3}}+9,$$

$$\frac{(5+1)^3}{9},\ (5-1)\,(9-3),\ \left(\frac{5}{3}+1\right)9,\ 5\times 3+9,\ 5\times 3+9,\ 5\times\frac{3}{1}+9,\ \frac{5\times 3}{1}+9,\ 5\times 3^1+9,$$

$$(5\times 3)^1+9,\ 5\,\text{root}[3,\ 1]+9,\ \text{root}[5\times 3,\ 1]+9,\ 5\times 3+1\times 9,\ (5\times 3+9)\,1,\ 5\times 3+9\times 1,$$

$$5\times 3+\frac{9}{1},\ \frac{5\times 3+9}{1},\ 5\times 3+9^1,\ (5\times 3+9)^1,\ 5\times 3+\text{root}[9,\ 1],\ \text{root}[5\times 3+9,\ 1],$$

$$5^{\text{Log}[3,9]}-1,\ 9\times 1+3\times 5,\ \frac{9}{1}+3\times 5,\ 9^1+3\times 5,\ \text{root}[9,\ 1]+3\times 5,\ 9+3\times 5,\ 9+3\times 5,$$

$$(9-1)\ \text{mod}[3,\ 5],\ (9-\text{mod}[1,\ 5])\ 3,\ \left(9-1^5\right)\ 3,\ (9-\text{root}[1,\ 5])\ 3,\ 9\times 1+5\times 3,\ \frac{9}{1}+5\times 3,$$

$$9^1+5\times 3,\ \text{root}[9,\ 1]+5\times 3,\ 9+5\times 3,\ 9+5\times 3,\ 9\left(1+\frac{5}{3}\right),\ 9+3\times 5,\ 9+\frac{3}{1}\ 5,\ 9+3^1\ 5,$$

$$9+\text{root}[3,\ 1]\ 5,\ 9+3\times 5,\ 9+\frac{3}{\frac{1}{5}},\ (9+3\times 5)\ 1,\ 9+3\times 5,\ 9+3\times 5,\ 9+3\times\frac{5}{1},\ 9+\frac{3\times 5}{1},$$

$$\frac{9+3\times 5}{1},\ 9+3\times 5^1,\ 9+(3\times 5)^1,\ (9+3\times 5)^1,\ 9+3\ \text{root}[5,\ 1],\ 9+\text{root}[3\times 5,\ 1],$$

$$\text{root}[9+3\times 5,\ 1],\ (9-3)\ (5-1),\ 9+5\times 3,\ 9+\frac{5}{1}\ 3,\ 9+5^1\ 3,\ 9+\text{root}[5,\ 1]\ 3,\ 9+5\times 3,$$

$$9+\frac{5}{\frac{1}{3}},\ (9+5\times 3)\ 1,\ 9\left(\frac{5}{3}+1\right),\ 9+5\times 3,\ 9+5\times 3,\ 9+5\times\frac{3}{1},\ 9+\frac{5\times 3}{1},\ \frac{9+5\times 3}{1},\ 9+5\times 3^1,$$

$$9+(5\times 3)^1,\ (9+5\times 3)^1,\ 9+5\ \text{root}[3,\ 1],\ 9+\text{root}[5\times 3,\ 1],\ \text{root}[9+5\times 3,\ 1]\Big\}\Big\},$$

$$\{\{1,\ 3,\ 5,\ 10\},\ \{(3\times 5-1)+10,\ 3\times 5-(1-10),\ 3\times 5+(10-1),\ (3\times 5+10)-1,$$
$$3\times 10-(1+5),\ (3\times 10-1)-5,\ 3\times 10-(5+1),\ (3\times 10-5)-1,\ (5\times 3-1)+10,$$
$$5\times 3-(1-10),\ 5\times 3+(10-1),\ (5\times 3+10)-1,\ (10-1)+3\times 5,\ 10-(1-3\times 5),$$
$$(10-1)+5\times 3,\ 10-(1-5\times 3),\ 10\times 3-(1+5),\ (10\times 3-1)-5,\ 10\times 3-(5+1),$$
$$10+(3\times 5-1),\ (10+3\times 5)-1,\ (10\times 3-5)-1,\ 10+(5\times 3-1),\ (10+5\times 3)-1\}\},$$

$$\Big\{\{1,\ 3,\ 6,\ 6\},\ \Big\{((1-3)+6)\ 6,\ (1+\text{mod}[3,\ 6])\ 6,\ \text{mod}[1+3,\ 6]\ 6,\ (1-(3-6))\ 6,$$
$$1\ (3\times 6+6),\ 3\times 6+6,\ 3\times 6+6,\ (\text{mod}[1,\ 6]+3)\ 6,\ \left(1^6+3\right)\ 6,\ (\text{root}[1,\ 6]+3)\ 6,$$
$$(1+(6-3))\ 6,\ ((1+6)-3)\ 6,\ 1\ (6\times 3+6),\ 6\times 3+6,\ 6\times 3+6,\ 1\ (6+3\times 6),$$
$$1\times 6+3\times 6,\ 1\ (6+6\times 3),\ 1\times 6+6\times 3,\ (3+\text{mod}[1,\ 6])\ 6,\ \text{mod}[3+1,\ 6]\ 6,\ \left(3+1^6\right)\ 6,$$
$$(3+\text{root}[1,\ 6])\ 6,\ (3-1)\ (6+6),\ 3\times 6+6,\ \frac{3}{1}\ 6+6,\ 3^1\ 6+6,\ \text{root}[3,\ 1]\ 6+6,\ 3\times 6+6,$$
$$\frac{3}{\frac{1}{6}}+6,\ (\text{mod}[3,\ 6]+1)\ 6,\ 3\times 6+6,\ 3\times 6+6,\ 3\times\frac{6}{1}+6,\ \frac{3\times 6}{1}+6,\ 3\times 6^1+6,\ (3\times 6)^1+6,$$
$$3\ \text{root}[6,\ 1]+6,\ \text{root}[3\times 6,\ 1]+6,\ 3\times 6+1\times 6,\ (3\times 6+6)\ 1,\ 3\times 6+6\times 1,\ 3\times 6+\frac{6}{1},$$
$$\frac{3\times 6+6}{1},\ 3\times 6+6^1,\ (3\times 6+6)^1,\ 3\times 6+\text{root}[6,\ 1],\ \text{root}[3\times 6+6,\ 1],\ (6+(1-3))\ 6,$$
$$((6+1)-3)\ 6,\ 6\times 3+6,\ \frac{6}{1}\ 3+6,\ 6^1\ 3+6,\ \text{root}[6,\ 1]\ 3+6,\ 6\times 3+6,\ \frac{6}{\frac{1}{3}}+6,\ 6\ ((1-3)+6),$$
$$6\times 1+3\times 6,\ \frac{6}{1}+3\times 6,\ 6^1+3\times 6,\ \text{root}[6,\ 1]+3\times 6,\ 6+3\times 6,\ 6+3\times 6,\ 6\ (1+\text{mod}[3,\ 6]),$$
$$6\ \text{mod}[1+3,\ 6],\ 6\ (1-(3-6)),\ 6\ (\text{mod}[1,\ 6]+3),\ 6\ \left(1^6+3\right),\ 6\ (\text{root}[1,\ 6]+3),$$
$$6\times 1+6\times 3,\ \frac{6}{1}+6\times 3,\ 6^1+6\times 3,\ \text{root}[6,\ 1]+6\times 3,\ 6+6\times 3,\ 6+6\times 3,\ 6\ (1+(6-3)),$$
$$6\ ((1+6)-3),\ ((6-3)+1)\ 6,\ (6-(3-1))\ 6,\ 6\times 3+6,\ 6\times 3+6,\ 6\times\frac{3}{1}+6,\ \frac{6\times 3}{1}+6,$$
$$6\times 3^1+6,\ (6\times 3)^1+6,\ 6\ \text{root}[3,\ 1]+6,\ \text{root}[6\times 3,\ 1]+6,\ 6\times 3+1\times 6,\ 6+3\times 6,$$

$$6+\frac{3}{1}\,6,\ 6+3^1\,6,\ 6+\text{root}[3,\,1]\,6,\ 6+3\times 6,\ 6+\frac{3}{\frac{1}{6}},\ 6\,(3+\text{mod}[1,\,6]),\ 6\,\text{mod}[3+1,\,6],$$

$$6\left(3+1^6\right),\ 6\,(3+\text{root}[1,\,6]),\ (6\times 3+6)\,1,\ (6+3\times 6)\,1,\ 6\,(\text{mod}[3,\,6]+1),\ 6\times 3+6\times 1,$$

$$6+3\times 6,\ 6+3\times 6,\ 6\times 3+\frac{6}{1},\ 6+3\times\frac{6}{1},\ 6+\frac{3\times 6}{1},\ \frac{6\times 3+6}{1},\ \frac{6+3\times 6}{1},\ 6\times 3+6^1,$$

$$6+3\times 6^1,\ 6+(3\times 6)^1,\ (6\times 3+6)^1,\ (6+3\times 6)^1,\ 6\times 3+\text{root}[6,\,1],\ 6+3\,\text{root}[6,\,1],$$

$$6+\text{root}[3\times 6,\,1],\ \text{root}[6\times 3+6,\,1],\ \text{root}[6+3\times 6,\,1],\ 6+6\times 3,\ 6+\frac{6}{1}\,3,\ 6+6^1\,3,$$

$$6+\text{root}[6,\,1]\,3,\ 6+6\times 3,\ 6+\frac{6}{\frac{1}{3}},\ 6\,(6+(1-3)),\ 6\,((6+1)-3),\ (6+6\times 3)\,1,\ 6\,((6-3)+1),$$

$$6+6\times 3,\ 6+6\times 3,\ 6+6\times\frac{3}{1},\ 6+\frac{6\times 3}{1},\ \frac{6+6\times 3}{1},\ 6+6\times 3^1,\ 6+(6\times 3)^1,\ (6+6\times 3)^1,$$

$$6+6\,\text{root}[3,\,1],\ 6+\text{root}[6\times 3,\,1],\ \text{root}[6+6\times 3,\,1],\ (6+6)\,(3-1),\ 6\,(6-(3-1))\Big\}\Big\},$$

$$\Big\{\{1,\,3,\,6,\,7\},\ \Big\{(1+3)\,\text{mod}[6,\,7],\ (1+\text{mod}[3,\,7])\,6,\ \text{mod}[1+3,\,7]\,6,\ (\text{mod}[1,\,6]+7)\,3,$$

$$\left(1^6+7\right)3,\ (\text{root}[1,\,6]+7)\,3,\ 6\,(7-3),\ 6\,(7-3),\ (\text{mod}[1,\,7]+3)\,6,\ \left(1^7+3\right)6,$$

$$(\text{root}[1,\,7]+3)\,6,\ (7-3)\,6,\ (1\times 7-3)\,6,\ (7-3)\,6,\ (1+7)\,\text{mod}[3,\,6],\ (1+7)\,(6-3),$$

$$3\,(\text{mod}[1,\,6]+7),\ 3\left(1^6+7\right),\ 3\,(\text{root}[1,\,6]+7),\ (3+1)\,\text{mod}[6,\,7],\ (3+\text{mod}[1,\,7])\,6,$$

$$\text{mod}[3+1,\,7]\,6,\ \left(3+1^7\right)6,\ (3+\text{root}[1,\,7])\,6,\ \text{mod}[3,\,6]\,(1+7),\ (3\times 6-1)+7,$$

$$3\times 6-(1-7),\ \text{mod}[3,\,6]\,(7+1),\ 3\times 6+(7-1),\ (3\times 6+7)-1,\ (\text{mod}[3,\,7]+1)\,6,$$

$$3\,(7-1)+6,\ 3\,(7+\text{mod}[1,\,6]),\ 3\left(7+1^6\right),\ 3\,(7+\text{root}[1,\,6]),\ 6\,(1+\text{mod}[3,\,7]),$$

$$6\,\text{mod}[1+3,\,7],\ 6\,(\text{mod}[1,\,7]+3),\ 6\left(1^7+3\right),\ 6\,(\text{root}[1,\,7]+3),\ \frac{6}{\frac{1}{7-3}},\ 6-(1-7)\,3,$$

$$6\,(7-3),\ \frac{6}{1}\,(7-3),\ 6^1\,(7-3),\ \text{root}[6,\,1]\,(7-3),\ 6\,(7-3),\ 6\,(1\times 7-3),\ (6-3)\,(1+7),$$

$$(6\times 3-1)+7,\ 6\,(3+\text{mod}[1,\,7]),\ 6\,\text{mod}[3+1,\,7],\ 6\left(3+1^7\right),\ 6\,(3+\text{root}[1,\,7]),$$

$$6-3\,(1-7),\ 6\times 3-(1-7),\ (6-3)\,(7+1),\ 6\,(\text{mod}[3,\,7]+1),\ 6\times 3+(7-1),\ 6+3\,(7-1),$$

$$(6\times 3+7)-1,\ \text{mod}[6,\,7]\,(1+3),\ 6+(7-1)\,3,\ 6\,(7-1\times 3),\ 6\,(7\times 1-3),\ 6\left(\frac{7}{1}-3\right),\ 6\left(7^1-3\right),$$

$$6\,(\text{root}[7,\,1]-3),\ 6\,(7-3),\ 6\,(7-3),\ \text{mod}[6,\,7]\,(3+1),\ 6\,\frac{7-3}{1},\ \frac{6\,(7-3)}{1},\ 6\,(7-3)^1,$$

$$(6\,(7-3))^1,\ 6\,\text{root}[7-3,\,1],\ \text{root}[6\,(7-3),\,1],\ 6\,(7-3\times 1),\ 6\left(7-\frac{3}{1}\right),\ 6\left(7-3^1\right),$$

$$6\,(7-\text{root}[3,\,1]),\ (7-1\times 3)\,6,\ (7\times 1-3)\,6,\ \left(\frac{7}{1}-3\right)6,\ \left(7^1-3\right)6,\ (\text{root}[7,\,1]-3)\,6,$$

$$(7-1)\,3+6,\ (7-1)+3\times 6,\ (7+1)\,\text{mod}[3,\,6],\ 7-(1-3\times 6),\ (7+\text{mod}[1,\,6])\,3,\ \left(7+1^6\right)3,$$

$$(7+\text{root}[1,\,6])\,3,\ (7-1)+6\times 3,\ (7+1)\,(6-3),\ 7-(1-6\times 3),\ (7-3)\,6,\ \frac{7-3}{1}\,6,\ (7-3)^1\,6,$$

$$\text{root}[7-3,\,1]\,6,\ (7-3\times 1)\,6,\ \left(7-\frac{3}{1}\right)6,\ \left(7-3^1\right)6,\ (7-\text{root}[3,\,1])\,6,\ (7-3)\,6,\ \frac{7-3}{\frac{1}{6}},$$

$$(7-3)\,6,\ (7-3)\,6,\ (7-3)\,\frac{6}{1},\ \frac{(7-3)\,6}{1},\ (7-3)\,6^1,\ ((7-3)\,6)^1,\ (7-3)\,\text{root}[6,\,1],$$

$$\text{root}[(7-3)\,6,\,1],\ 7+(3\times 6-1),\ (7+3\times 6)-1,\ 7+(6\times 3-1),\ (7+6\times 3)-1\Big\}\Big\},$$

$$\Big\{\{1,\,3,\,6,\,8\},\ \Big\{\text{mod}[3,\,6]\,8,\ \text{mod}[1\times 3,\,6]\,8,\ \text{mod}[3,\,6]\,8,\ (1+3)\,\text{mod}[6,\,8],$$

$$(1+\text{mod}[3,8])\,6,\ \text{mod}[1+3,8]\,6,\ (\text{mod}[1,6]\,3)\,8,\ \left(1^6\,3\right)\,8,\ (\text{root}[1,6]\,3)\,8,$$
$$\left(1+\frac{6}{3}\right)\,8,\ (6-3)\,8,\ (1\times 6-3)\,8,\ \text{mod}[1,6]\,(3\times 8),\ 1^6\,(3\times 8),\ \text{root}[1,6]\,(3\times 8),$$
$$(6-3)\,8,\ (\text{mod}[1,6]\,8)\,3,\ \left(1^6\,8\right)\,3,\ (\text{root}[1,6]\,8)\,3,\ \text{mod}[1,6]\,(8\times 3),\ 1^6\,(8\times 3),$$
$$\text{root}[1,6]\,(8\times 3),\ (\text{mod}[1,8]+3)\,6,\ \left(1^8+3\right)\,6,\ (\text{root}[1,8]+3)\,6,\ 8\,\text{mod}[3,6],\ 8\,\text{mod}[3,6],$$
$$8\,(6-3),\ 8\,(6-3),\ \frac{3}{\text{mod}[1,6]}\,8,\ \frac{3}{1^6}\,8,\ \frac{3}{\text{root}[1,6]}\,8,\ (3\,\text{mod}[1,6])\,8,\ \text{mod}[3,1\times 6]\,8,$$
$$\text{mod}[3,1+6]\,8,\ \text{mod}[3\times 1,6]\,8,\ \text{mod}\left[\frac{3}{1},6\right]\,8,\ \text{mod}\left[3^1,6\right]\,8,\ \text{mod}[\text{root}[3,1],6]\,8,$$
$$\left(3\times 1^6\right)\,8,\ 3^{\text{mod}[1,6]}\,8,\ 3^{1^6}\,8,\ 3^{\text{root}[1,6]}\,8,\ (3\,\text{root}[1,6])\,8,\ \text{root}[3,\text{mod}[1,6]]\,8,$$
$$\text{root}\left[3,1^6\right]\,8,\ \text{root}[3,\text{root}[1,6]]\,8,\ 3\,(\text{mod}[1,6]\,8),\ 3\,\left(1^6\,8\right),\ 3\,(\text{root}[1,6]\,8),$$
$$\frac{3}{\frac{\text{mod}[1,6]}{8}},\ \frac{3}{\frac{1^6}{8}},\ \frac{3}{\frac{\text{root}[1,6]}{8}},\ (3+1)\,\text{mod}[6,8],\ (3+\text{mod}[1,8])\,6,\ \text{mod}[3+1,8]\,6,\ \left(3+1^8\right)\,6,$$
$$(3+\text{root}[1,8])\,6,\ \text{mod}[3,6]\,8,\ \frac{\text{mod}[3,6]}{1}\,8,\ (3+\text{Log}[6,1])\,8,\ \text{mod}[3,6\times 1]\,8,$$
$$\text{mod}[3,6+1]\,8,\ \text{mod}\left[3,\frac{6}{1}\right]\,8,\ \text{mod}\left[3,6^1\right]\,8,\ \text{mod}[3,\text{root}[6,1]]\,8,\ \text{mod}[3,6-1]\,8,$$
$$(3+\text{mod}[6,1])\,8,\ \text{mod}[3,6]^1\,8,\ \text{root}[\text{mod}[3,6],1]\,8,\ (3-\text{Log}[6,1])\,8,\ (3-\text{mod}[6,1])\,8,$$
$$\text{mod}[3,6]\,8,\ 3\,(\text{Log}[6,1]+8),\ 3\,(\text{mod}[6,1]+8),\ \frac{\text{mod}[3,6]}{\frac{1}{8}},\ \text{mod}[3,6]\,8,\ \text{mod}[3,6]\,8,$$
$$\text{mod}[3,6]\,\frac{8}{1},\ \frac{\text{mod}[3,6]\,8}{1},\ \text{mod}[3,6]\,8^1,\ (\text{mod}[3,6]\,8)^1,\ \text{mod}[3,6]\,\text{root}[8,1],$$
$$\text{root}[\text{mod}[3,6]\,8,1],\ (\text{mod}[3,8]+1)\,6,\ 3\,\frac{8}{\text{mod}[1,6]},\ 3\,\frac{8}{1^6},\ 3\,\frac{8}{\text{root}[1,6]},\ \frac{3\times 8}{\text{mod}[1,6]},$$
$$\frac{3\times 8}{1^6},\ \frac{3\times 8}{\text{root}[1,6]},\ (3\times 8)\,\text{mod}[1,6],\ 3\,(8\,\text{mod}[1,6]),\ (3\times 8)\,1^6,\ 3\,\left(8\times 1^6\right),\ 3\times 8^{\text{mod}[1,6]},$$
$$3\times 8^{1^6},\ 3\times 8^{\text{root}[1,6]},\ (3\times 8)^{\text{mod}[1,6]},\ (3\times 8)^{1^6},\ (3\times 8)^{\text{root}[1,6]},\ (3\times 8)\,\text{root}[1,6],$$
$$3\,(8\,\text{root}[1,6]),\ 3\,\text{root}[8,\text{mod}[1,6]],\ 3\,\text{root}\left[8,1^6\right],\ 3\,\text{root}[8,\text{root}[1,6]],$$
$$\text{root}[3\times 8,\text{mod}[1,6]],\ \text{root}\left[3\times 8,1^6\right],\ \text{root}[3\times 8,\text{root}[1,6]],\ 3\,(8+\text{Log}[6,1]),$$
$$3\times 8+\text{Log}[6,1],\ 3\,(8+\text{mod}[6,1]),\ 3\times 8+\text{mod}[6,1],\ 3\,(8-\text{Log}[6,1]),\ 3\,(8-\text{mod}[6,1]),$$
$$3\times 8-\text{Log}[6,1],\ 3\times 8-\text{mod}[6,1],\ (\text{Log}[6,1]+3)\,8,\ (\text{mod}[6,1]+3)\,8,\ (6-1\times 3)\,8,$$
$$(6\times 1-3)\,8,\ \left(\frac{6}{1}-3\right)\,8,\ \left(6^1-3\right)\,8,\ (\text{root}[6,1]-3)\,8,\ \text{Log}[6,1]+3\times 8,\ \text{mod}[6,1]+3\times 8,$$
$$6\,(1+\text{mod}[3,8]),\ 6\,\text{mod}[1+3,8],\ (\text{Log}[6,1]+8)\,3,\ (\text{mod}[6,1]+8)\,3,\ 6\,(\text{mod}[1,8]+3),$$
$$6\,\left(1^8+3\right),\ 6\,(\text{root}[1,8]+3),\ \text{Log}[6,1]+8\times 3,\ \text{mod}[6,1]+8\times 3,\ (6-3)\,8,\ \left(\frac{6}{3}+1\right)\,8,$$
$$\frac{6}{3-1}\,8,\ \frac{6-3}{1}\,8,\ (6-3)^1\,8,\ \text{root}[6-3,1]\,8,\ (6-3\times 1)\,8,\ \left(6-\frac{3}{1}\right)\,8,\ \left(6-3^1\right)\,8,$$
$$(6-\text{root}[3,1])\,8,\ (6-3)\,8,\ \frac{6}{\frac{3-1}{8}},\ \frac{6^3}{1+8},\ \frac{6-3}{\frac{1}{8}},\ 6\,(3+\text{mod}[1,8]),\ 6\,\text{mod}[3+1,8],$$
$$6\,\left(3+1^8\right),\ 6\,(3+\text{root}[1,8]),\ (6-3)\,8,\ (6-3)\,8,\ 6\,(\text{mod}[3,8]+1),\ (6-3)\,\frac{8}{1},\ \frac{(6-3)\,8}{1},$$
$$\frac{6^3}{8+1},\ (6-3)\,8^1,\ ((6-3)\,8)^1,\ (6-3)\,\text{root}[8,1],\ \text{root}[(6-3)\,8,1],\ \text{mod}[6,8]\,(1+3),$$

$$6\,(8-(1+3)),\ 6\,((8-1)-3),\ \text{mod}[6,\,8]\,(3+1),\ 6\,\frac{8}{3-1},\ \frac{6\times 8}{3-1},\ 6\,(8-(3+1)),$$

$$6\,((8-3)-1),\ (8-(1+3))\,6,\ ((8-1)-3)\,6,\ \frac{8}{\frac{1}{\text{mod}[3,6]}},\ 8\,\text{mod}[3,\,6],\ \frac{8}{1}\,\text{mod}[3,\,6],$$

$$8^1\,\text{mod}[3,\,6],\ \text{root}[8,\,1]\,\text{mod}[3,\,6],\ 8\,\text{mod}[3,\,6],\ 8\,\text{mod}[1\times 3,\,6],\ \frac{8}{\text{mod}[1,\,6]}\,3,\ \frac{8}{1^6}\,3,$$

$$\frac{8}{\text{root}[1,\,6]}\,3,\ (8\,\text{mod}[1,\,6])\,3,\ \left(8\times 1^6\right)\,3,\ 8^{\text{mod}[1,6]}\,3,\ 8^{1^6}\,3,\ 8^{\text{root}[1,6]}\,3,\ (8\,\text{root}[1,\,6])\,3,$$

$$\text{root}[8,\,\text{mod}[1,\,6]]\,3,\ \text{root}\left[8,\,1^6\right]\,3,\ \text{root}[8,\,\text{root}[1,\,6]]\,3,\ 8\,(\text{mod}[1,\,6]\,3),\ 8\,\left(1^6\,3\right),$$

$$8\,(\text{root}[1,\,6]\,3),\ 8\,\left(1+\frac{6}{3}\right),\ \frac{8}{\frac{1}{6-3}},\ \frac{8}{\frac{\text{mod}[1,6]}{3}},\ \frac{8}{\frac{1^6}{3}},\ \frac{8}{\frac{\text{root}[1,6]}{3}},\ 8\,(6-3),\ \frac{8}{1}\,(6-3),\ 8^1\,(6-3),$$

$$\text{root}[8,\,1]\,(6-3),\ 8\,(6-3),\ 8\,(1\times 6-3),\ \frac{8}{3-1}\,6,\ (8-(3+1))\,6,\ ((8-3)-1)\,6,$$

$$8\,\frac{3}{\text{mod}[1,\,6]},\ 8\,\frac{3}{1^6},\ 8\,\frac{3}{\text{root}[1,\,6]},\ \frac{8}{\frac{3-1}{6}},\ \frac{8\times 3}{\text{mod}[1,\,6]},\ \frac{8\times 3}{1^6},\ \frac{8\times 3}{\text{root}[1,\,6]},\ (8\times 3)\,\text{mod}[1,\,6],$$

$$8\,(3\,\text{mod}[1,\,6]),\ 8\,\text{mod}[3,\,1\times 6],\ 8\,\text{mod}[3,\,1+6],\ 8\,\text{mod}[3\times 1,\,6],\ 8\,\text{mod}\left[\frac{3}{1},\,6\right],$$

$$8\,\text{mod}\left[3^1,\,6\right],\ 8\,\text{mod}[\text{root}[3,\,1],\,6],\ (8\times 3)\,1^6,\ 8\,\left(3\times 1^6\right),\ 8\times 3^{\text{mod}[1,6]},\ 8\times 3^{1^6},$$

$$8\times 3^{\text{root}[1,6]},\ (8\times 3)^{\text{mod}[1,6]},\ (8\times 3)^{1^6},\ (8\times 3)^{\text{root}[1,6]},\ (8\times 3)\,\text{root}[1,\,6],\ 8\,(3\,\text{root}[1,\,6]),$$

$$8\,\text{root}[3,\,\text{mod}[1,\,6]],\ 8\,\text{root}\left[3,\,1^6\right],\ 8\,\text{root}[3,\,\text{root}[1,\,6]],\ \text{root}[8\times 3,\,\text{mod}[1,\,6]],$$

$$\text{root}\left[8\times 3,\,1^6\right],\ \text{root}[8\times 3,\,\text{root}[1,\,6]],\ 8\,\text{mod}[3,\,6],\ 8\,\text{mod}[3,\,6],\ 8\,\frac{\text{mod}[3,\,6]}{1},$$

$$\frac{8\,\text{mod}[3,\,6]}{1},\ 8\,(3+\text{Log}[6,\,1]),\ 8\times 3+\text{Log}[6,\,1],\ 8\,\text{mod}[3,\,6\times 1],\ 8\,\text{mod}[3,\,6+1],$$

$$8\,\text{mod}\left[3,\,\frac{6}{1}\right],\ 8\,\text{mod}\left[3,\,6^1\right],\ 8\,\text{mod}[3,\,\text{root}[6,\,1]],\ 8\,\text{mod}[3,\,6-1],\ 8\,(3+\text{mod}[6,\,1]),$$

$$8\times 3+\text{mod}[6,\,1],\ 8\,\text{mod}[3,\,6]^1,\ (8\,\text{mod}[3,\,6])^1,\ 8\,\text{root}[\text{mod}[3,\,6],\,1],\ \text{root}[8\,\text{mod}[3,\,6],\,1],$$
$$8\,(3-\text{Log}[6,\,1]),\ 8\,(3-\text{mod}[6,\,1]),\ 8\times 3-\text{Log}[6,\,1],\ 8\times 3-\text{mod}[6,\,1],\ (8+\text{Log}[6,\,1])\,3,$$
$$(8+\text{mod}[6,\,1])\,3,\ (8-\text{Log}[6,\,1])\,3,\ (8-\text{mod}[6,\,1])\,3,\ 8\,(\text{Log}[6,\,1]+3),\ 8\,(\text{mod}[6,\,1]+3),$$

$$8\,(6-1\times 3),\ 8\,(6\times 1-3),\ 8\,\left(\frac{6}{1}-3\right),\ 8\,\left(6^1-3\right),\ 8\,(\text{root}[6,\,1]-3),\ 8\,(6-3),\ 8\,(6-3),$$

$$8\,\left(\frac{6}{3}+1\right),\ 8\,\frac{6}{3-1},\ \frac{8\times 6}{3-1},\ 8\,\frac{6-3}{1},\ \frac{8\,(6-3)}{1},\ 8\,(6-3)^1,\ (8\,(6-3))^1,\ 8\,\text{root}[6-3,\,1],$$

$$\text{root}[8\,(6-3),\,1],\ 8\,(6-3\times 1),\ 8\,\left(6-\frac{3}{1}\right),\ 8\,\left(6-3^1\right),\ 8\,(6-\text{root}[3,\,1])\Big\}\Big\},$$

$$\Big\{\{1,\,3,\,6,\,9\},\ \Big\{(1+3)\,\text{mod}[6,\,9],\ (1+\text{mod}[3,\,9])\,6,\ \text{mod}[1+3,\,9]\,6,\ 1\,\frac{6^3}{9},\ \frac{1\times 6^3}{9},$$

$$\frac{(1\times 6)^3}{9},\ (\text{mod}[1,\,9]+3)\,6,\ \left(1^9+3\right)\,6,\ (\text{root}[1,\,9]+3)\,6,\ \left(1+\frac{9}{3}\right)\,6,\ (1-9)\,(3-6),$$

$$(1+9)\,3-6,\ \frac{1}{\frac{9}{6^3}},\ \frac{1}{9}\,6^3,\ (3+1)\,\text{mod}[6,\,9],\ (3+\text{mod}[1,\,9])\,6,\ \text{mod}[3+1,\,9]\,6,$$

$$\left(3+1^9\right)\,6,\ (3+\text{root}[1,\,9])\,6,\ (3-1)\,9+6,\ 3\,(1+9)-6,\ 3\,(6-1)+9,\ (3-6)\,(1-9),$$

$$\text{mod}[3,\,6]\,(9-1),\ (\text{mod}[3,\,9]+1)\,6,\ 3\,(9-\text{mod}[1,\,6]),\ 3\,\left(9-1^6\right),\ 3\,(9-\text{root}[1,\,6]),$$

$$3\,(9+1)-6,\ (6-1)\,3+9,\ \frac{6^{1\times 3}}{9},\ \frac{(6\times 1)^3}{9},\ \frac{\left(\frac{6}{1}\right)^3}{9},\ \frac{\left(6^1\right)^3}{9},\ \frac{\text{root}[6,\,1]^3}{9},\ 6\,(1+\text{mod}[3,\,9]),$$
$$6\,\text{mod}[1+3,\,9],\ 6-(1-3)\,9,\ 6\,(\text{mod}[1,\,9]+3),\ 6\left(1^9+3\right),\ 6\,(\text{root}[1,\,9]+3),$$
$$6\left(1+\frac{9}{3}\right),\ 6+(3-1)\,9,\ 6^3\,\frac{1}{9},\ \frac{6^3\,1}{9},\ \frac{\frac{6^3}{1}}{9},\ \frac{6^3}{1\times 9},\ \frac{6^{3\times 1}}{9},\ \frac{6^{\frac{3}{1}}}{9},\ \frac{6^{3^1}}{9},\ \frac{6^{\text{root}[3,1]}}{9},\ \frac{\left(6^3\right)^1}{9},$$
$$\frac{\text{root}\left[6^3,\,1\right]}{9},\ 6\,(3+\text{mod}[1,\,9]),\ 6\,\text{mod}[3+1,\,9],\ 6\left(3+1^9\right),\ 6\,(3+\text{root}[1,\,9]),$$
$$\frac{6^3}{9}\,1,\ 6\,(\text{mod}[3,\,9]+1),\ \frac{\frac{6^3}{9}}{1},\ \frac{6^3}{9\times 1},\ \frac{6^3}{\frac{9}{1}},\ \frac{6^3}{9^1},\ \frac{6^3}{\text{root}[9,\,1]},\ \left(\frac{6^3}{9}\right)^1,\ \text{root}\left[\frac{6^3}{9},\,1\right],$$
$$(6-3)\,(9-1),\ \text{mod}[6,\,9]\,(1+3),\ 6-9\,(1-3),\ \text{mod}[6,\,9]\,(3+1),\ 6\left(\frac{9}{3}+1\right),\ 6+9\,(3-1),$$
$$(9-1)\,\text{mod}[3,\,6],\ (9+1)\,3-6,\ (9-\text{mod}[1,\,6])\,3,\ \left(9-1^6\right)3,\ (9-\text{root}[1,\,6])\,3,$$
$$(9-1)\,(6-3),\ 9-(1-6)\,3,\ \left(\frac{9}{3}+1\right)6,\ 9\,(3-1)+6,\ 9-3\,(1-6),\ 9+3\,(6-1),\ 9+(6-1)\,3\Big\}\Big\},$$

$$\Big\{\{1,\,3,\,6,\,10\},\ \Big\{(1+3)\,\text{mod}[6,\,10],\ (1+\text{mod}[3,\,10])\,6,\ \text{mod}[1+3,\,10]\,6,\ 1\,(3\times 10-6),$$
$$3\times 10-6,\ 3\times 10-6,\ (\text{mod}[1,\,10]+3)\,6,\ \left(1^{10}+3\right)6,\ (\text{root}[1,\,10]+3)\,6,\ 1\,(10\times 3-6),$$
$$10\times 3-6,\ 10\times 3-6,\ (3+1)\,\text{mod}[6,\,10],\ (3+\text{mod}[1,\,10])\,6,\ \text{mod}[3+1,\,10]\,6,\ \left(3+1^{10}\right)6,$$
$$(3+\text{root}[1,\,10])\,6,\ 3\times 10-6,\ \frac{3}{1}\,10-6,\ 3^1\,10-6,\ \text{root}[3,\,1]\,10-6,\ 3\times 10-6,$$
$$\frac{3}{\frac{1}{10}}-6,\ (\text{mod}[3,\,10]+1)\,6,\ 3\times 10-6,\ 3\times 10-1\times 6,\ 3\times 10-6,\ 3\times\frac{10}{1}-6,\ \frac{3\times 10}{1}-6,$$
$$3\times 10^1-6,\ (3\times 10)^1-6,\ 3\,\text{root}[10,\,1]-6,\ \text{root}[3\times 10,\,1]-6,\ (3\times 10-6)\,1,\ \frac{3\times 10-6}{1},$$
$$(3\times 10-6)^1,\ \text{root}[3\times 10-6,\,1],\ 3\times 10-6\times 1,\ 3\times 10-\frac{6}{1},\ 3\times 10-6^1,\ 3\times 10-\text{root}[6,\,1],$$
$$6\,(1+\text{mod}[3,\,10]),\ 6\,\text{mod}[1+3,\,10],\ 6\,(\text{mod}[1,\,10]+3),\ 6\left(1^{10}+3\right),\ 6\,(\text{root}[1,\,10]+3),$$
$$6\,(3+\text{mod}[1,\,10]),\ 6\,\text{mod}[3+1,\,10],\ 6\left(3+1^{10}\right),\ 6\,(3+\text{root}[1,\,10]),\ 6\,(\text{mod}[3,\,10]+1),$$
$$\frac{6^3}{10-1},\ \text{mod}[6,\,10]\,(1+3),\ \text{mod}[6,\,10]\,(3+1),\ 10\times 3-6,\ \frac{10}{1}\,3-6,\ 10^1\,3-6,\ \text{root}[10,\,1]\,3-6,$$
$$10\times 3-6,\ \frac{10}{\frac{1}{3}}-6,\ 10\times 3-6,\ 10\times 3-1\times 6,\ 10\times 3-6,\ 10\times\frac{3}{1}-6,\ \frac{10\times 3}{1}-6,\ 10\times 3^1-6,$$
$$(10\times 3)^1-6,\ 10\,\text{root}[3,\,1]-6,\ \text{root}[10\times 3,\,1]-6,\ (10\times 3-6)\,1,\ \frac{10\times 3-6}{1},\ (10\times 3-6)^1,$$
$$\text{root}[10\times 3-6,\,1],\ 10\times 3-6\times 1,\ 10\times 3-\frac{6}{1},\ 10\times 3-6^1,\ 10\times 3-\text{root}[6,\,1]\Big\}\Big\},$$

$$\Big\{\{1,\,3,\,7,\,7\},\ \Big\{(1+7)\,\text{mod}[3,\,7],\ (1-7)\,(3-7),\ (\text{mod}[1,\,7]+7)\,3,\ \left(1^7+7\right)3,\ (\text{root}[1,\,7]+7)\,3,$$
$$3\,(\text{mod}[1,\,7]+7),\ 3\left(1^7+7\right),\ 3\,(\text{root}[1,\,7]+7),\ \text{mod}[3,\,7]\,(1+7),\ 3\,(7+\text{mod}[1,\,7]),$$
$$3\left(7+1^7\right),\ 3\,(7+\text{root}[1,\,7]),\ (3-7)\,(1-7),\ \text{mod}[3,\,7]\,(7+1),\ (7+1)\,\text{mod}[3,\,7],$$
$$(7+\text{mod}[1,\,7])\,3,\ \left(7+1^7\right)3,\ (7+\text{root}[1,\,7])\,3,\ (7-1)\,(7-3),\ (7-3)\,(7-1)\Big\}\Big\},$$

$$\Big\{\{1,\,3,\,7,\,8\},\ \Big\{\text{mod}[3,\,7]\,8,\ \text{mod}[1\times 3,\,7]\,8,\ \text{mod}[3,\,7]\,8,\ (\text{mod}[1,\,7]\,3)\,8,\ \left(1^7\,3\right)8,$$
$$(\text{root}[1,\,7]\,3)\,8,\ \text{mod}[1,\,7]\,(3\times 8),\ 1^7\,(3\times 8),\ \text{root}[1,\,7]\,(3\times 8),\ (1+7)\,\text{mod}[3,\,8],$$
$$(\text{mod}[1,\,7]\,8)\,3,\ \left(1^7\,8\right)3,\ (\text{root}[1,\,7]\,8)\,3,\ (1+\text{mod}[7,\,8])\,3,\ \text{mod}[1,\,7]\,(8\times 3),$$

$$1^7\ (8\times 3),\ \text{root}[1,\ 7]\ (8\times 3),\ 8\ \text{mod}[3,\ 7],\ 8\ \text{mod}[3,\ 7],\ (\text{mod}[1,\ 8]+7)\ 3,\ \left(1^8+7\right)\ 3,$$

$$(\text{root}[1,\ 8]+7)\ 3,\ \frac{3}{\text{mod}[1,\ 7]}\ 8,\ \frac{3}{1^7}\ 8,\ \frac{3}{\text{root}[1,\ 7]}\ 8,\ (3\ \text{mod}[1,\ 7])\ 8,\ \text{mod}[3,\ 1\times 7]\ 8,$$

$$\text{mod}[3,\ 1+7]\ 8,\ \text{mod}[3\times 1,\ 7]\ 8,\ \text{mod}\left[\frac{3}{1},\ 7\right]\ 8,\ \text{mod}\left[3^1,\ 7\right]\ 8,\ \text{mod}[\text{root}[3,\ 1],\ 7]\ 8,\ \left(3\times 1^7\right)\ 8,$$

$$3^{\text{mod}[1,7]}\ 8,\ 3^{1^7}\ 8,\ 3^{\text{root}[1,7]}\ 8,\ (3\ \text{root}[1,\ 7])\ 8,\ \text{root}[3,\ \text{mod}[1,\ 7]]\ 8,\ \text{root}\left[3,\ 1^7\right]\ 8,$$

$$\text{root}[3,\ \text{root}[1,\ 7]]\ 8,\ 3\ (\text{mod}[1,\ 7]\ 8),\ 3\ \left(1^7\ 8\right),\ 3\ (\text{root}[1,\ 7]\ 8),\ \frac{3}{\frac{\text{mod}[1,7]}{8}},\ \frac{3}{\frac{1^7}{8}},$$

$$\frac{3}{\frac{\text{root}[1,7]}{8}},\ \frac{3}{1-\frac{7}{8}},\ 3\ (1+\text{mod}[7,\ 8]),\ 3\ (\text{mod}[1,\ 8]+7),\ 3\ \left(1^8+7\right),\ 3\ (\text{root}[1,\ 8]+7),$$

$$\text{mod}[3,\ 7]\ 8,\ \frac{\text{mod}[3,\ 7]}{1}\ 8,\ (3+\text{Log}[7,\ 1])\ 8,\ \text{mod}[3,\ 7\times 1]\ 8,\ \text{mod}[3,\ 7+1]\ 8,\ \text{mod}\left[3,\ \frac{7}{1}\right]\ 8,$$

$$\text{mod}\left[3,\ 7^1\right]\ 8,\ \text{mod}[3,\ \text{root}[7,\ 1]]\ 8,\ \text{mod}[3,\ 7-1]\ 8,\ (3+\text{mod}[7,\ 1])\ 8,\ \text{mod}[3,\ 7]^1\ 8,$$

$$\text{root}[\text{mod}[3,\ 7],\ 1]\ 8,\ (3-\text{Log}[7,\ 1])\ 8,\ (3-\text{mod}[7,\ 1])\ 8,\ \text{mod}[3,\ 7]\ 8,\ 3\ (\text{Log}[7,\ 1]+8),$$

$$3\ (\text{mod}[7,\ 1]+8),\ \frac{\text{mod}[3,\ 7]}{\frac{1}{8}},\ 3\ (7+\text{mod}[1,\ 8]),\ 3\ \left(7+1^8\right),\ 3\ (7+\text{root}[1,\ 8]),$$

$$\text{mod}[3,\ 7]\ 8,\ \text{mod}[3,\ 7]\ 8,\ 3\ (\text{mod}[7,\ 8]+1),\ \text{mod}[3,\ 7]\ \frac{8}{1},\ \frac{\text{mod}[3,\ 7]\ 8}{1},\ \text{mod}[3,\ 7]\ 8^1,$$

$$(\text{mod}[3,\ 7]\ 8)^1,\ \text{mod}[3,\ 7]\ \text{root}[8,\ 1],\ \text{root}[\text{mod}[3,\ 7]\ 8,\ 1],\ \text{mod}[3,\ 8]\ (1+7),$$

$$3\ \frac{8}{\text{mod}[1,\ 7]},\ 3\ \frac{8}{1^7},\ 3\ \frac{8}{\text{root}[1,\ 7]},\ \frac{3\times 8}{\text{mod}[1,\ 7]},\ \frac{3\times 8}{1^7},\ \frac{3\times 8}{\text{root}[1,\ 7]},\ (3\times 8)\ \text{mod}[1,\ 7],$$

$$3\ (8\ \text{mod}[1,\ 7]),\ (3\times 8)\ 1^7,\ 3\ \left(8\times 1^7\right),\ 3\times 8^{\text{mod}[1,7]},\ 3\times 8^{1^7},\ 3\times 8^{\text{root}[1,7]},\ (3\times 8)^{\text{mod}[1,7]},$$

$$(3\times 8)^{1^7},\ (3\times 8)^{\text{root}[1,7]},\ (3\times 8)\ \text{root}[1,\ 7],\ 3\ (8\ \text{root}[1,\ 7]),\ 3\ \text{root}[8,\ \text{mod}[1,\ 7]],$$

$$3\ \text{root}\left[8,\ 1^7\right],\ 3\ \text{root}[8,\ \text{root}[1,\ 7]],\ \text{root}[3\times 8,\ \text{mod}[1,\ 7]],\ \text{root}\left[3\times 8,\ 1^7\right],$$

$$\text{root}[3\times 8,\ \text{root}[1,\ 7]],\ \text{mod}[3,\ 8]\ (7+1),\ 3\ (8+\text{Log}[7,\ 1]),\ 3\times 8+\text{Log}[7,\ 1],$$

$$3\ (8+\text{mod}[7,\ 1]),\ 3\times 8+\text{mod}[7,\ 1],\ 3\ (8-\text{Log}[7,\ 1]),\ 3\ (8-\text{mod}[7,\ 1]),\ 3\times 8-\text{Log}[7,\ 1],$$

$$3\times 8-\text{mod}[7,\ 1],\ (\text{Log}[7,\ 1]+3)\ 8,\ (\text{mod}[7,\ 1]+3)\ 8,\ \text{mod}[7,\ 1+3]\ 8,\ (7-(1+3))\ 8,$$

$$((7-1)-3)\ 8,\ \text{Log}[7,\ 1]+3\times 8,\ \text{mod}[7,\ 1]+3\times 8,\ (7+1)\ \text{mod}[3,\ 8],\ (\text{Log}[7,\ 1]+8)\ 3,$$

$$(\text{mod}[7,\ 1]+8)\ 3,\ (7+\text{mod}[1,\ 8])\ 3,\ \left(7+1^8\right)\ 3,\ (7+\text{root}[1,\ 8])\ 3,\ \text{Log}[7,\ 1]+8\times 3,$$

$$\text{mod}[7,\ 1]+8\times 3,\ \text{mod}[7,\ 3+1]\ 8,\ (7-(3+1))\ 8,\ ((7-3)-1)\ 8,\ (\text{mod}[7,\ 8]+1)\ 3,$$

$$\frac{8}{\frac{1}{\text{mod}[3,7]}},\ 8\ \text{mod}[3,\ 7],\ \frac{8}{1}\ \text{mod}[3,\ 7],\ 8^1\ \text{mod}[3,\ 7],\ \text{root}[8,\ 1]\ \text{mod}[3,\ 7],\ 8\ \text{mod}[3,\ 7],$$

$$8\ \text{mod}[1\times 3,\ 7],\ \frac{8}{\text{mod}[1,\ 7]}\ 3,\ \frac{8}{1^7}\ 3,\ \frac{8}{\text{root}[1,\ 7]}\ 3,\ (8\ \text{mod}[1,\ 7])\ 3,\ \left(8\times 1^7\right)\ 3,$$

$$8^{\text{mod}[1,7]}\ 3,\ 8^{1^7}\ 3,\ 8^{\text{root}[1,7]}\ 3,\ (8\ \text{root}[1,\ 7])\ 3,\ \text{root}[8,\ \text{mod}[1,\ 7]]\ 3,\ \text{root}\left[8,\ 1^7\right]\ 3,$$

$$\text{root}[8,\ \text{root}[1,\ 7]]\ 3,\ 8\ (\text{mod}[1,\ 7]\ 3),\ 8\ \left(1^7\ 3\right),\ 8\ (\text{root}[1,\ 7]\ 3),\ \frac{8}{\frac{\text{mod}[1,7]}{3}},\ \frac{8}{\frac{1^7}{3}},\ \frac{8}{\frac{\text{root}[1,7]}{3}},$$

$$8\ \frac{3}{\text{mod}[1,\ 7]},\ 8\ \frac{3}{1^7},\ 8\ \frac{3}{\text{root}[1,\ 7]},\ \frac{8\times 3}{\text{mod}[1,\ 7]},\ \frac{8\times 3}{1^7},\ \frac{8\times 3}{\text{root}[1,\ 7]},\ (8\times 3)\ \text{mod}[1,\ 7],$$

$$8\ (3\ \text{mod}[1,\ 7]),\ 8\ \text{mod}[3,\ 1\times 7],\ 8\ \text{mod}[3,\ 1+7],\ 8\ \text{mod}[3\times 1,\ 7],\ 8\ \text{mod}\left[\frac{3}{1},\ 7\right],\ 8\ \text{mod}\left[3^1,\ 7\right],$$

$$8\ \text{mod}[\text{root}[3,\ 1],\ 7],\ (8\times 3)\ 1^7,\ 8\ \left(3\times 1^7\right),\ 8\times 3^{\text{mod}[1,7]},\ 8\times 3^{1^7},\ 8\times 3^{\text{root}[1,7]},\ (8\times 3)^{\text{mod}[1,7]},$$

$$(8\times 3)^{1^7},\ (8\times 3)^{\text{root}[1,7]},\ (8\times 3)\ \text{root}[1,\ 7],\ 8\ (3\ \text{root}[1,\ 7]),\ 8\ \text{root}[3,\ \text{mod}[1,\ 7]],$$

$$8\ \text{root}\left[3,\ 1^7\right],\ 8\ \text{root}[3,\ \text{root}[1,\ 7]],\ \text{root}[8\times 3,\ \text{mod}[1,\ 7]],\ \text{root}\left[8\times 3,\ 1^7\right],$$

$$\text{root}[8\times 3,\ \text{root}[1,\ 7]],\ 8\ \text{mod}[3,\ 7],\ 8\ \text{mod}[3,\ 7],\ 8\ \frac{\text{mod}[3,\ 7]}{1},\ \frac{8\ \text{mod}[3,\ 7]}{1},$$

$$8\ (3+\text{Log}[7,\ 1]),\ 8\times 3+\text{Log}[7,\ 1],\ 8\ \text{mod}[3,\ 7\times 1],\ 8\ \text{mod}[3,\ 7+1],\ 8\ \text{mod}\left[3,\ \frac{7}{1}\right],$$

$$8\ \text{mod}\left[3,\ 7^1\right],\ 8\ \text{mod}[3,\ \text{root}[7,\ 1]],\ 8\ \text{mod}[3,\ 7-1],\ 8\ (3+\text{mod}[7,\ 1]),\ 8\times 3+\text{mod}[7,\ 1],$$

$$8\ \text{mod}[3,\ 7]^1,\ (8\ \text{mod}[3,\ 7])^1,\ 8\ \text{root}[\text{mod}[3,\ 7],\ 1],\ \text{root}[8\ \text{mod}[3,\ 7],\ 1],\ 8\ (3-\text{Log}[7,\ 1]),$$

$$8\ (3-\text{mod}[7,\ 1]),\ 8\times 3-\text{Log}[7,\ 1],\ 8\times 3-\text{mod}[7,\ 1],\ (8+\text{Log}[7,\ 1])\ 3,\ (8+\text{mod}[7,\ 1])\ 3,$$

$$(8-\text{Log}[7,\ 1])\ 3,\ (8-\text{mod}[7,\ 1])\ 3,\ 8\ (\text{Log}[7,\ 1]+3),\ 8\ (\text{mod}[7,\ 1]+3),\ 8\ \text{mod}[7,\ 1+3],$$

$$8\ (7-(1+3)),\ 8\ ((7-1)-3),\ 8\ \text{mod}[7,\ 3+1],\ 8\ (7-(3+1)),\ 8\ ((7-3)-1)\Big\}\Big\},$$

$$\Big\{\{1,\ 3,\ 7,\ 9\},\ \Big\{\frac{1+7}{3}\ 9,\ \frac{1+7}{\frac{3}{9}},\ (1+7)\ \text{mod}[3,\ 9],\ (1+\text{mod}[7,\ 9])\ 3,\ \text{mod}[1+7,\ 9]\ 3,\ (1+7)\ \frac{9}{3},$$

$$\frac{(1+7)\ 9}{3},\ (\text{mod}[1,\ 9]+7)\ 3,\ \left(1^9+7\right)\ 3,\ (\text{root}[1,\ 9]+7)\ 3,\ 3\ (1+\text{mod}[7,\ 9]),\ 3\ \text{mod}[1+7,\ 9],$$

$$3\ (\text{mod}[1,\ 9]+7),\ 3\ \left(1^9+7\right),\ 3\ (\text{root}[1,\ 9]+7),\ 3\ (7+\text{mod}[1,\ 9]),\ 3\ \text{mod}[7+1,\ 9],$$

$$3\ \left(7+1^9\right),\ 3\ (7+\text{root}[1,\ 9]),\ 3\ (\text{mod}[7,\ 9]+1),\ \text{mod}[3,\ 7]\ (9-1),\ \text{mod}[3,\ 9]\ (1+7),$$

$$3\ (9-\text{mod}[1,\ 7]),\ 3\ \left(9-1^7\right),\ 3\ (9-\text{root}[1,\ 7]),\ \text{mod}[3,\ 9]\ (7+1),\ \frac{7+1}{3}\ 9,\ \frac{7+1}{\frac{3}{9}},\ \frac{(7-1)^3}{9},$$

$$(7+1)\ \text{mod}[3,\ 9],\ (7+\text{mod}[1,\ 9])\ 3,\ \text{mod}[7+1,\ 9]\ 3,\ \left(7+1^9\right)\ 3,\ (7+\text{root}[1,\ 9])\ 3,$$

$$(7+1)\ \frac{9}{3},\ \frac{(7+1)\ 9}{3},\ (\text{mod}[7,\ 9]+1)\ 3,\ (9-1)\ \text{mod}[3,\ 7],\ (9-\text{mod}[1,\ 7])\ 3,\ \left(9-1^7\right)\ 3,$$

$$(9-\text{root}[1,\ 7])\ 3,\ 9\ \frac{1+7}{3},\ \frac{9\ (1+7)}{3},\ \frac{9}{3}\ (1+7),\ \frac{9}{\frac{3}{1+7}},\ \frac{9}{3}\ (7+1),\ \frac{9}{\frac{3}{7+1}},\ 9\ \frac{7+1}{3},\ \frac{9\ (7+1)}{3}\Big\}\Big\},$$

$$\Big\{\{1,\ 3,\ 7,\ 10\},\ \Big\{1+(3\times 10-7),\ (1+3\times 10)-7,\ (1-7)+3\times 10,\ (1+7)\ \text{mod}[3,\ 10],$$

$$1-(7-3\times 10),\ (1+\text{mod}[7,\ 10])\ 3,\ \text{mod}[1+7,\ 10]\ 3,\ (1-7)+10\times 3,\ 1-(7-10\times 3),$$

$$1+(10\times 3-7),\ (1+10\times 3)-7,\ (\text{mod}[1,\ 10]+7)\ 3,\ \left(1^{10}+7\right)\ 3,\ (\text{root}[1,\ 10]+7)\ 3,$$

$$(3-1)\ 7+10,\ 3\ (1+\text{mod}[7,\ 10]),\ 3\ \text{mod}[1+7,\ 10],\ 3\ (\text{mod}[1,\ 10]+7),\ 3\ \left(1^{10}+7\right),$$

$$3\ (\text{root}[1,\ 10]+7),\ 3\ (7+\text{mod}[1,\ 10]),\ 3\ \text{mod}[7+1,\ 10],\ 3\ \left(7+1^{10}\right),\ 3\ (7+\text{root}[1,\ 10]),$$

$$3\ (\text{mod}[7,\ 10]+1),\ \text{mod}[3,\ 10]\ (1+7),\ 3\times 10+(1-7),\ (3\times 10+1)-7,\ \text{mod}[3,\ 10]\ (7+1),$$

$$(3\times 10-7)+1,\ 3\times 10-(7-1),\ (7+1)\ \text{mod}[3,\ 10],\ (7+\text{mod}[1,\ 10])\ 3,\ \text{mod}[7+1,\ 10]\ 3,$$

$$\left(7+1^{10}\right)\ 3,\ (7+\text{root}[1,\ 10])\ 3,\ 7\ (3-1)+10,\ (\text{mod}[7,\ 10]+1)\ 3,\ 10-(1-3)\ 7,\ 10+(3-1)\ 7,$$

$$10\times 3+(1-7),\ (10\times 3+1)-7,\ (10\times 3-7)+1,\ 10\times 3-(7-1),\ 10-7\ (1-3),\ 10+7\ (3-1)\Big\}\Big\},$$

$$\Big\{\{1,\ 3,\ 8,\ 8\},\ \Big\{\text{mod}[3,\ 8]\ 8,\ \text{mod}[1\times 3,\ 8]\ 8,\ \text{mod}[3,\ 8]\ 8,\ (1+3)\ 8-8,\ (\text{mod}[1,\ 8]\ 3)\ 8,$$

$$\left(1^8\ 3\right)\ 8,\ (\text{root}[1,\ 8]\ 3)\ 8,\ \frac{1+8}{3}\ 8,\ (1+\text{mod}[8,\ 3])\ 8,\ (1+\text{root}[8,\ 3])\ 8,\ \text{mod}[1,\ 8]\ (3\times 8),$$

$$1^8\ (3\times 8),\ \text{root}[1,\ 8]\ (3\times 8),\ \frac{1+8}{\frac{3}{8}},\ 8\ \text{mod}[3,\ 8],\ 8\ \text{mod}[3,\ 8],\ (\text{mod}[1,\ 8]\ 8)\ 3,\ \left(1^8\ 8\right)\ 3,$$

$$(\text{root}[1,\ 8]\ 8)\ 3,\ \text{mod}[1,\ 8]\ (8\times 3),\ 1^8\ (8\times 3),\ \text{root}[1,\ 8]\ (8\times 3),\ (1+8)\ \frac{8}{3},\ \frac{(1+8)\ 8}{3},$$

$$\frac{3}{\text{mod}[1,\ 8]}\ 8,\ \frac{3}{1^8}\ 8,\ \frac{3}{\text{root}[1,\ 8]}\ 8,\ \text{Log}[3-1,\ 8]\ 8,\ (3\ \text{mod}[1,\ 8])\ 8,\ \text{mod}[3,\ 1\times 8]\ 8,$$

$$\text{mod}[3,\ 1+8]\ 8,\ \text{mod}[3\times 1,\ 8]\ 8,\ \text{mod}\left[\frac{3}{1},\ 8\right]\ 8,\ \text{mod}\left[3^1,\ 8\right]\ 8,\ \text{mod}[\text{root}[3,\ 1],\ 8]\ 8,\ \left(3\times 1^8\right)\ 8,$$

$$3^{\text{mod}[1,8]}\ 8,\ 3^{1^8}\ 8,\ 3^{\text{root}[1,8]}\ 8,\ (3\ \text{root}[1,\ 8])\ 8,\ \text{root}[3,\ \text{mod}[1,\ 8]]\ 8,\ \text{root}\left[3,\ 1^8\right]\ 8,$$

$$\text{root}[3, \text{root}[1, 8]]\ 8,\ 3\ (\text{mod}[1, 8]\ 8),\ 3\ \left(1^8\ 8\right),\ 3\ (\text{root}[1, 8]\ 8),\ (3-1)\ 8+8,\ \frac{3}{\frac{\text{mod}[1,8]}{8}},$$

$$\frac{3}{\frac{1^8}{8}},\ \frac{3}{\frac{\text{root}[1,8]}{8}},\ \text{Log}\left[3-1, 8^8\right],\ (3+1)\ 8-8,\ \text{mod}[3, 8]\ 8,\ \frac{\text{mod}[3, 8]}{1}\ 8,\ (3+\text{Log}[8, 1])\ 8,$$

$$\text{mod}[3, 8\times 1]\ 8,\ \text{mod}[3, 8+1]\ 8,\ \text{mod}\left[3, \frac{8}{1}\right]\ 8,\ \text{mod}\left[3, 8^1\right]\ 8,\ \text{mod}[3, \text{root}[8, 1]]\ 8,$$

$$\text{mod}[3, 8-1]\ 8,\ (3+\text{mod}[8, 1])\ 8,\ \text{mod}[3, 8]^1\ 8,\ \text{root}[\text{mod}[3, 8], 1]\ 8,\ (3-\text{Log}[8, 1])\ 8,$$

$$(3-\text{mod}[8, 1])\ 8,\ \text{mod}[3, 8]\ 8,\ 3\ (\text{Log}[8, 1]+8),\ 3\ (\text{mod}[8, 1]+8),\ 3\ \frac{8}{\text{mod}[1, 8]},$$

$$3\ \frac{8}{1^8},\ 3\ \frac{8}{\text{root}[1, 8]},\ \frac{3\times 8}{\text{mod}[1, 8]},\ \frac{3\times 8}{1^8},\ \frac{3\times 8}{\text{root}[1, 8]},\ \frac{\text{mod}[3, 8]}{\frac{1}{8}},\ (3\times 8)\ \text{mod}[1, 8],$$

$$3\ (8\ \text{mod}[1, 8]),\ 3\ \text{mod}[8, 1+8],\ (3\times 8)\ 1^8,\ 3\ \left(8\times 1^8\right),\ 3\times 8^{\text{mod}[1,8]},\ 3\times 8^{1^8},\ 3\times 8^{\text{root}[1,8]},$$

$$(3\times 8)^{\text{mod}[1,8]},\ (3\times 8)^{1^8},\ (3\times 8)^{\text{root}[1,8]},\ (3\times 8)\ \text{root}[1, 8],\ 3\ (8\ \text{root}[1, 8]),$$

$$3\ \text{root}[8, \text{mod}[1, 8]],\ 3\ \text{root}\left[8, 1^8\right],\ 3\ \text{root}[8, \text{root}[1, 8]],\ \text{root}[3\times 8, \text{mod}[1, 8]],$$

$$\text{root}\left[3\times 8, 1^8\right],\ \text{root}[3\times 8, \text{root}[1, 8]],\ \text{mod}[3, 8]\ 8,\ \text{mod}[3, 8]\ 8,\ \text{mod}[3, 8]\ \frac{8}{1},$$

$$\frac{\text{mod}[3, 8]\ 8}{1},\ 3\ (8+\text{Log}[8, 1]),\ 3\times 8+\text{Log}[8, 1],\ 3\ (8+\text{mod}[8, 1]),\ 3\times 8+\text{mod}[8, 1],$$

$$3\ \text{mod}[8, 8+1],\ \text{mod}[3, 8]\ 8^1,\ (\text{mod}[3, 8]\ 8)^1,\ \text{mod}[3, 8]\ \text{root}[8, 1],\ \text{root}[\text{mod}[3, 8]\ 8, 1],$$

$$3\ (8-\text{Log}[8, 1]),\ 3\ (8-\text{mod}[8, 1]),\ 3\times 8-\text{Log}[8, 1],\ 3\times 8-\text{mod}[8, 1],\ (\text{Log}[8, 1]+3)\ 8,$$

$$(\text{mod}[8, 1]+3)\ 8,\ \frac{8+1}{3}\ 8,\ \text{Log}[8, 1]+3\times 8,\ \text{mod}[8, 1]+3\times 8,\ \frac{8}{\frac{1}{\text{mod}[3,8]}},\ \frac{8+1}{\frac{3}{8}},\ 8\ \text{mod}[3, 8],$$

$$\frac{8}{1}\ \text{mod}[3, 8],\ 8^1\ \text{mod}[3, 8],\ \text{root}[8, 1]\ \text{mod}[3, 8],\ 8\ \text{mod}[3, 8],\ 8\ \text{mod}[1\times 3, 8],$$

$$8-(1-3)\ 8,\ 8\ (1+3)-8,\ (\text{Log}[8, 1]+8)\ 3,\ (\text{mod}[8, 1]+8)\ 3,\ \frac{8}{\text{mod}[1, 8]}\ 3,\ \frac{8}{1^8}\ 3,$$

$$\frac{8}{\text{root}[1, 8]}\ 3,\ (8\ \text{mod}[1, 8])\ 3,\ \text{mod}[8, 1+8]\ 3,\ \left(8\times 1^8\right)\ 3,\ 8^{\text{mod}[1,8]}\ 3,\ 8^{1^8}\ 3,\ 8^{\text{root}[1,8]}\ 3,$$

$$(8\ \text{root}[1, 8])\ 3,\ \text{root}[8, \text{mod}[1, 8]]\ 3,\ \text{root}\left[8, 1^8\right]\ 3,\ \text{root}[8, \text{root}[1, 8]]\ 3,$$

$$8\ (\text{mod}[1, 8]\ 3),\ 8\ \left(1^8\ 3\right),\ 8\ (\text{root}[1, 8]\ 3),\ \text{Log}[8, 1]+8\times 3,\ \text{mod}[8, 1]+8\times 3,\ (8+1)\ \frac{8}{3},$$

$$\frac{8}{\frac{\text{mod}[1,8]}{3}},\ \frac{8}{\frac{1^8}{3}},\ \frac{8}{\frac{\text{root}[1,8]}{3}},\ \frac{(8+1)\ 8}{3},\ 8\ \frac{1+8}{3},\ \frac{8\ (1+8)}{3},\ 8\ (1+\text{mod}[8, 3]),\ 8^{1+\text{Log}[8,3]},$$

$$8\ (1+\text{root}[8, 3]),\ (\text{mod}[8, 3]+1)\ 8,\ (\text{root}[8, 3]+1)\ 8,\ \frac{8}{3}\ (1+8),\ 8\ (3-1)+8,\ 8+(3-1)\ 8,$$

$$8\ \frac{3}{\text{mod}[1, 8]},\ 8\ \frac{3}{1^8},\ 8\ \frac{3}{\text{root}[1, 8]},\ \frac{8}{\frac{3}{1+8}},\ \frac{8\times 3}{\text{mod}[1, 8]},\ \frac{8\times 3}{1^8},\ \frac{8\times 3}{\text{root}[1, 8]},\ 8\ \text{Log}[3-1, 8],$$

$$(8\times 3)\ \text{mod}[1, 8],\ 8\ (3\ \text{mod}[1, 8]),\ 8\ \text{mod}[3, 1\times 8],\ 8\ \text{mod}[3, 1+8],\ 8\ \text{mod}[3\times 1, 8],$$

$$8\ \text{mod}\left[\frac{3}{1}, 8\right],\ 8\ \text{mod}\left[3^1, 8\right],\ 8\ \text{mod}[\text{root}[3, 1], 8],\ (8\times 3)\ 1^8,\ 8\ \left(3\times 1^8\right),\ 8\times 3^{\text{mod}[1,8]},\ 8\times 3^{1^8},$$

$$8\times 3^{\text{root}[1,8]},\ (8\times 3)^{\text{mod}[1,8]},\ (8\times 3)^{1^8},\ (8\times 3)^{\text{root}[1,8]},\ (8\times 3)\ \text{root}[1, 8],\ 8\ (3\ \text{root}[1, 8]),$$

$$8\ \text{root}[3, \text{mod}[1, 8]],\ 8\ \text{root}\left[3, 1^8\right],\ 8\ \text{root}[3, \text{root}[1, 8]],\ \text{root}[8\times 3, \text{mod}[1, 8]],$$

$$\text{root}\left[8\times 3,\ 1^{8}\right],\ \text{root}[8\times 3,\ \text{root}[1,\ 8]],\ 8\ (3+1)-8,\ 8\ \text{mod}[3,\ 8],\ 8\ \text{mod}[3,\ 8],\ \frac{8}{3}\ (8+1),$$

$$\frac{8}{\frac{3}{8+1}},\ 8\ \frac{\text{mod}[3,\ 8]}{1},\ \frac{8\ \text{mod}[3,\ 8]}{1},\ 8\ (3+\text{Log}[8,\ 1]),\ 8\times 3+\text{Log}[8,\ 1],\ 8\ \text{mod}[3,\ 8\times 1],$$

$$8\ \text{mod}[3,\ 8+1],\ 8\ \text{mod}\left[3,\ \frac{8}{1}\right],\ 8\ \text{mod}\left[3,\ 8^{1}\right],\ 8\ \text{mod}[3,\ \text{root}[8,\ 1]],\ 8\ \text{mod}[3,\ 8-1],$$

$$8\ (3+\text{mod}[8,\ 1]),\ 8\times 3+\text{mod}[8,\ 1],\ 8\ \text{mod}[3,\ 8]^{1},\ (8\ \text{mod}[3,\ 8])^{1},\ 8\ \text{root}[\text{mod}[3,\ 8],\ 1],$$
$$\text{root}[8\ \text{mod}[3,\ 8],\ 1],\ 8\ (3-\text{Log}[8,\ 1]),\ 8\ (3-\text{mod}[8,\ 1]),\ 8\times 3-\text{Log}[8,\ 1],$$
$$8\times 3-\text{mod}[8,\ 1],\ (8+\text{Log}[8,\ 1])\ 3,\ (8+\text{mod}[8,\ 1])\ 3,\ \text{mod}[8,\ 8+1]\ 3,\ (8-\text{Log}[8,\ 1])\ 3,$$

$$(8-\text{mod}[8,\ 1])\ 3,\ 8\ (\text{Log}[8,\ 1]+3),\ 8\ (\text{mod}[8,\ 1]+3),\ 8\ \frac{8+1}{3},\ \frac{8\ (8+1)}{3},\ 8-8\ (1-3),$$

$$8\ (\text{mod}[8,\ 3]+1),\ 8\ (\text{root}[8,\ 3]+1),\ \frac{8}{\text{Log}[8,\ 3-1]},\ 8^{\text{Log}[8,3]+1},\ 8+8\ (3-1)\Big\}\Big\},$$

$$\Big\{\{1,\ 3,\ 8,\ 9\},\ \Big\{\left(\frac{1}{3}\ 8\right)\ 9,\ \frac{1}{\frac{3}{8}}\ 9,\ \frac{1}{3}\ (8\times 9),\ \frac{1}{\frac{3}{8\times 9}},\ \frac{1}{\frac{3}{\frac{8}{9}}},\ 3\ \text{mod}[8,\ 9],\ 3\ \text{mod}[8,\ 9],\ \left(\frac{1}{3}\ 9\right)\ 8,$$

$$\frac{1}{\frac{3}{9}}\ 8,\ (1+\text{Log}[3,\ 9])\ 8,\ \text{mod}[3,\ 9]\ 8,\ \text{mod}[1\times 3,\ 9]\ 8,\ \frac{1}{3}\ (9\times 8),\ \text{mod}[3,\ 9]\ 8,\ \frac{1}{\frac{3}{9\times 8}},\ \frac{1}{\frac{3}{\frac{9}{8}}},$$

$$\frac{8}{3}\ 9,\ \frac{1\times 8}{3}\ 9,\ \frac{8}{3}\ 9,\ 1\ \frac{8}{\frac{3}{9}},\ \frac{1\times 8}{\frac{3}{9}},\ 8\ \text{mod}[3,\ 9],\ 8\ \text{mod}[3,\ 9],\ \text{mod}[8,\ 9]\ 3,\ \text{mod}[1\times 8,\ 9]\ 3,$$

$$\text{mod}[8,\ 9]\ 3,\ 8\times\frac{9}{3},\ 8\times\frac{9}{3},\ 1\ \frac{8\times 9}{3},\ \frac{8\times 9}{3},\ \frac{8\times 9}{3},\ (\text{mod}[1,\ 9]\ 3)\ 8,\ \left(1^{9}\ 3\right)\ 8,\ (\text{root}[1,\ 9]\ 3)\ 8,$$

$$\frac{9}{3}\ 8,\ \frac{1\times 9}{3}\ 8,\ \text{mod}[1,\ 9]\ (3\times 8),\ 1^{9}\ (3\times 8),\ \text{root}[1,\ 9]\ (3\times 8),\ \frac{9}{3}\ 8,\ 1\ \frac{9}{\frac{3}{8}},\ \frac{1\times 9}{\frac{3}{8}},$$

$$(\text{mod}[1,\ 9]\ 8)\ 3,\ \left(1^{9}\ 8\right)\ 3,\ (\text{root}[1,\ 9]\ 8)\ 3,\ \text{mod}[1,\ 9]\ (8\times 3),\ 1^{9}\ (8\times 3),\ \text{root}[1,\ 9]\ (8\times 3),$$

$$9\times\frac{8}{3},\ 9\times\frac{8}{3},\ 1\ \frac{9\times 8}{3},\ \frac{9\times 8}{3},\ \frac{9\times 8}{3},\ \frac{3}{\frac{1}{\text{mod}[8,9]}},\ 3\ \text{mod}[8,\ 9],\ \frac{3}{1}\ \text{mod}[8,\ 9],\ 3^{1}\ \text{mod}[8,\ 9],$$

$$\text{root}[3,\ 1]\ \text{mod}[8,\ 9],\ 3\ \text{mod}[8,\ 9],\ 3\ \text{mod}[1\times 8,\ 9],\ \frac{3}{\text{mod}[1,\ 9]}\ 8,\ \frac{3}{1^{9}}\ 8,\ \frac{3}{\text{root}[1,\ 9]}\ 8,$$

$$(3\ \text{mod}[1,\ 9])\ 8,\ \text{mod}[3,\ 1\times 9]\ 8,\ \text{mod}[3,\ 1+9]\ 8,\ \text{mod}[3\times 1,\ 9]\ 8,\ \text{mod}\left[\frac{3}{1},\ 9\right]\ 8,\ \text{mod}\left[3^{1},\ 9\right]\ 8,$$

$$\text{mod}[\text{root}[3,\ 1],\ 9]\ 8,\ \left(3\times 1^{9}\right)\ 8,\ 3^{\text{mod}[1,9]}\ 8,\ 3^{1^{9}}\ 8,\ 3^{\text{root}[1,9]}\ 8,\ (3\ \text{root}[1,\ 9])\ 8,$$
$$\text{root}[3,\ \text{mod}[1,\ 9]]\ 8,\ \text{root}\left[3,\ 1^{9}\right]\ 8,\ \text{root}[3,\ \text{root}[1,\ 9]]\ 8,\ 3\ (\text{mod}[1,\ 9]\ 8),$$

$$3\ \left(1^{9}\ 8\right),\ 3\ (\text{root}[1,\ 9]\ 8),\ \frac{3}{\frac{\text{mod}[1,9]}{8}},\ \frac{3}{\frac{1^{9}}{8}},\ \frac{3}{\frac{\text{root}[1,9]}{8}},\ 3\ \frac{8}{\text{mod}[1,\ 9]},\ 3\ \frac{8}{1^{9}},\ 3\ \frac{8}{\text{root}[1,\ 9]},$$

$$\frac{3\times 8}{\text{mod}[1,\ 9]},\ \frac{3\times 8}{1^{9}},\ \frac{3\times 8}{\text{root}[1,\ 9]},\ (3\times 8)\ \text{mod}[1,\ 9],\ 3\ (8\ \text{mod}[1,\ 9]),\ 3\ \text{mod}[8,\ 1\times 9],$$

$$3\ \text{mod}[8,\ 1+9],\ 3\ \text{mod}[8\times 1,\ 9],\ 3\ \text{mod}\left[\frac{8}{1},\ 9\right],\ 3\ \text{mod}\left[8^{1},\ 9\right],\ 3\ \text{mod}[\text{root}[8,\ 1],\ 9],$$

$$(3\times 8)\ 1^{9},\ 3\ \left(8\times 1^{9}\right),\ 3\times 8^{\text{mod}[1,9]},\ 3\times 8^{1^{9}},\ 3\times 8^{\text{root}[1,9]},\ (3\times 8)^{\text{mod}[1,9]},\ (3\times 8)^{1^{9}},$$
$$(3\times 8)^{\text{root}[1,9]},\ (3\times 8)\ \text{root}[1,\ 9],\ 3\ (8\ \text{root}[1,\ 9]),\ 3\ \text{root}[8,\ \text{mod}[1,\ 9]],\ 3\ \text{root}\left[8,\ 1^{9}\right],$$
$$3\ \text{root}[8,\ \text{root}[1,\ 9]],\ \text{root}[3\times 8,\ \text{mod}[1,\ 9]],\ \text{root}\left[3\times 8,\ 1^{9}\right],\ \text{root}[3\times 8,\ \text{root}[1,\ 9]],$$

$$3\,\mathrm{mod}[8,\,9],\ 3\,\mathrm{mod}[8,\,9],\ 3\,\frac{\mathrm{mod}[8,\,9]}{1},\ \frac{3\,\mathrm{mod}[8,\,9]}{1},\ 3\,(8+\mathrm{Log}[9,\,1]),\ 3\times 8+\mathrm{Log}[9,\,1],$$

$$3\,\mathrm{mod}[8,\,9\times 1],\ 3\,\mathrm{mod}[8,\,9+1],\ 3\,\mathrm{mod}\left[8,\,\frac{9}{1}\right],\ 3\,\mathrm{mod}\left[8,\,9^1\right],\ 3\,\mathrm{mod}[8,\,\mathrm{root}[9,\,1]],$$

$$3\,(8+\mathrm{mod}[9,\,1]),\ 3\times 8+\mathrm{mod}[9,\,1],\ 3\,\mathrm{mod}[8,\,9]^1,\ (3\,\mathrm{mod}[8,\,9])^1,\ 3\,\mathrm{root}[\mathrm{mod}[8,\,9],\,1],$$
$$\mathrm{root}[3\,\mathrm{mod}[8,\,9],\,1],\ 3\,(8-\mathrm{Log}[9,\,1]),\ 3\,(8-\mathrm{mod}[9,\,1]),\ \mathrm{mod}[3,\,8]\,(9-1),$$

$$3\times 8-\mathrm{Log}[9,\,1],\ 3\times 8-\mathrm{mod}[9,\,1],\ \mathrm{mod}[3,\,9]\,8,\ (\mathrm{Log}[3,\,9]+1)\,8,\ \frac{\mathrm{mod}[3,\,9]}{1}\,8,$$

$$(3+\mathrm{Log}[9,\,1])\,8,\ \mathrm{mod}[3,\,9\times 1]\,8,\ \mathrm{mod}[3,\,9+1]\,8,\ \mathrm{mod}\left[3,\,\frac{9}{1}\right]\,8,\ \mathrm{mod}\left[3,\,9^1\right]\,8,$$

$$\mathrm{mod}[3,\,\mathrm{root}[9,\,1]]\,8,\ \mathrm{mod}[3,\,9-1]\,8,\ (3+\mathrm{mod}[9,\,1])\,8,\ \mathrm{mod}[3,\,9]^1\,8,\ \mathrm{root}[\mathrm{mod}[3,\,9],\,1]\,8,$$
$$(3-\mathrm{Log}[9,\,1])\,8,\ (3-\mathrm{mod}[9,\,1])\,8,\ \mathrm{mod}[3,\,9]\,8,\ 3\,(\mathrm{Log}[9,\,1]+8),\ 3\,(\mathrm{mod}[9,\,1]+8),$$

$$\frac{\mathrm{mod}[3,\,9]}{\frac{1}{8}},\ 3\,(9-\mathrm{mod}[1,\,8]),\ 3\,\left(9-1^8\right),\ 3\,(9-\mathrm{root}[1,\,8]),\ \mathrm{mod}[3,\,9]\,8,\ \mathrm{mod}[3,\,9]\,8,$$

$$\frac{3}{\frac{9}{8}-1},\ \mathrm{mod}[3,\,9]\,\frac{8}{1},\ \frac{\mathrm{mod}[3,\,9]\,8}{1},\ \mathrm{mod}[3,\,9]\,8^1,\ (\mathrm{mod}[3,\,9]\,8)^1,\ \mathrm{mod}[3,\,9]\,\mathrm{root}[8,\,1],$$

$$\mathrm{root}[\mathrm{mod}[3,\,9]\,8,\,1],\ \left(8\times\frac{1}{3}\right)\,9,\ \frac{8}{1\times 3}\,9,\ \frac{8\times 1}{3}\,9,\ \frac{\frac{8}{1}}{3}\,9,\ \frac{8^1}{3}\,9,\ \frac{\mathrm{root}[8,\,1]}{3}\,9,\ 8\,\left(\frac{1}{3}\,9\right),$$

$$8\,\frac{1}{\frac{3}{9}},\ \frac{8}{\frac{1}{\mathrm{mod}[3,9]}},\ \frac{8}{1\times\frac{3}{9}},\ \frac{8}{\frac{1\times 3}{9}},\ \frac{8\times 1}{\frac{3}{9}},\ \frac{\frac{8}{1}}{\frac{3}{9}},\ \frac{8^1}{\frac{3}{9}},\ \frac{\mathrm{root}[8,\,1]}{\frac{3}{9}},\ 8\,(1+\mathrm{Log}[3,\,9]),\ 8\,\mathrm{mod}[3,\,9],$$

$$\frac{8}{1}\,\mathrm{mod}[3,\,9],\ 8^1\,\mathrm{mod}[3,\,9],\ \mathrm{root}[8,\,1]\,\mathrm{mod}[3,\,9],\ 8\,\mathrm{mod}[3,\,9],\ 8\,\mathrm{mod}[1\times 3,\,9],\ \frac{8}{\mathrm{mod}[1,\,9]}\,3,$$

$$\frac{8}{1^9}\,3,\ \frac{8}{\mathrm{root}[1,\,9]}\,3,\ (8\,\mathrm{mod}[1,\,9])\,3,\ \mathrm{mod}[8,\,1\times 9]\,3,\ \mathrm{mod}[8,\,1+9]\,3,\ \mathrm{mod}[8\times 1,\,9]\,3,$$

$$\mathrm{mod}\left[\frac{8}{1},\,9\right]\,3,\ \mathrm{mod}\left[8^1,\,9\right]\,3,\ \mathrm{mod}[\mathrm{root}[8,\,1],\,9]\,3,\ \left(8\times 1^9\right)\,3,\ 8^{\mathrm{mod}[1,9]}\,3,\ 8^{1^9}\,3,\ 8^{\mathrm{root}[1,9]}\,3,$$

$$(8\,\mathrm{root}[1,\,9])\,3,\ \mathrm{root}[8,\,\mathrm{mod}[1,\,9]]\,3,\ \mathrm{root}\left[8,\,1^9\right]\,3,\ \mathrm{root}[8,\,\mathrm{root}[1,\,9]]\,3,$$

$$8\,(\mathrm{mod}[1,\,9]\,3),\ 8\,\left(1^9\,3\right),\ 8\,(\mathrm{root}[1,\,9]\,3),\ \frac{8}{\frac{1}{9}\,3},\ \frac{8}{\frac{1}{\frac{9}{3}}},\ \frac{8}{\frac{\mathrm{mod}[1,9]}{3}},\ \frac{8}{\frac{1^9}{3}},\ \frac{8}{\frac{\mathrm{root}[1,9]}{3}},\ 8\times\frac{9}{3},$$

$$\frac{8}{1}\,\frac{9}{3},\ 8^1\,\frac{9}{3},\ \mathrm{root}[8,\,1]\,\frac{9}{3},\ 8\times\frac{9}{3},\ 8\,\frac{1\times 9}{3},\ \frac{8\times 9}{3},\ \frac{\frac{8}{1}\,9}{3},\ \frac{8^1\,9}{3},\ \frac{\mathrm{root}[8,\,1]\,9}{3},\ \frac{8\times 9}{3},$$

$$\frac{\frac{8}{\frac{1}{9}}}{3},\ \frac{8}{3}\,9,\ \frac{8}{3\times 1}\,9,\ \frac{8}{\frac{3}{1}}\,9,\ \frac{8}{3^1}\,9,\ \frac{8}{\mathrm{root}[3,\,1]}\,9,\ \frac{\frac{8}{3}}{1}\,9,\ \left(\frac{8}{3}\right)^1\,9,\ \frac{8}{3}\,9,\ 8\,\frac{3}{\mathrm{mod}[1,\,9]},\ 8\,\frac{3}{1^9},$$

$$8\,\frac{3}{\mathrm{root}[1,\,9]},\ \frac{8}{3\times\frac{1}{9}},\ \frac{8}{\frac{3}{1\times 9}},\ \frac{8}{\frac{3\times 1}{9}},\ \frac{8}{\frac{3}{\frac{1}{9}}},\ \frac{8}{\frac{3^1}{9}},\ \frac{8}{\frac{\mathrm{root}[3,1]}{9}},\ \frac{8\times 3}{\mathrm{mod}[1,\,9]},\ \frac{8\times 3}{1^9},\ \frac{8\times 3}{\mathrm{root}[1,\,9]},$$

$$\frac{\frac{8}{3}}{\frac{1}{9}},\ (8\times 3)\,\mathrm{mod}[1,\,9],\ 8\,(3\,\mathrm{mod}[1,\,9]),\ 8\,\mathrm{mod}[3,\,1\times 9],\ 8\,\mathrm{mod}[3,\,1+9],\ 8\,\mathrm{mod}[3\times 1,\,9],$$

$$8\,\mathrm{mod}\left[\frac{3}{1},\,9\right],\ 8\,\mathrm{mod}\left[3^1,\,9\right],\ 8\,\mathrm{mod}[\mathrm{root}[3,\,1],\,9],\ (8\times 3)\,1^9,\ 8\,\left(3\times 1^9\right),\ 8\times 3^{\mathrm{mod}[1,9]},$$

$$8 \times 3^{1^9},\ 8 \times 3^{\text{root}[1,9]},\ (8 \times 3)^{\text{mod}[1,9]},\ (8 \times 3)^{1^9},\ (8 \times 3)^{\text{root}[1,9]},\ (8 \times 3)\ \text{root}[1,\ 9],$$
$$8\ (3\ \text{root}[1,\ 9]),\ 8\ \text{root}[3,\ \text{mod}[1,\ 9]],\ 8\ \text{root}\left[3,\ 1^9\right],\ 8\ \text{root}[3,\ \text{root}[1,\ 9]],$$
$$\text{root}[8 \times 3,\ \text{mod}[1,\ 9]],\ \text{root}\left[8 \times 3,\ 1^9\right],\ \text{root}[8 \times 3,\ \text{root}[1,\ 9]],\ \frac{8}{3}\ 9,\ \frac{8}{\frac{3}{9}}\ 1,\ 8\ \text{mod}[3,\ 9],$$
$$\frac{8}{3}\ 9,\ 8\ \text{mod}[3,\ 9],\ 8\ (\text{Log}[3,\ 9] + 1),\ \frac{8}{\frac{3}{9}\ 1},\ \frac{8}{\frac{3}{9 \times 1}},\ \frac{8}{\frac{3}{\frac{9}{1}}},\ \frac{8}{\frac{3}{9^1}},\ \frac{8}{\frac{3}{\text{root}[9,1]}},\ \frac{8}{\frac{3}{\frac{9}{1}}},\ \frac{8}{\left(\frac{3}{9}\right)^1},\ \frac{8}{3}\ \frac{9}{1},$$
$$\frac{\frac{8}{3}\ 9}{1},\ \frac{\frac{8}{\frac{3}{9}}}{1},\ 8\ \frac{\text{mod}[3,\ 9]}{1},\ \frac{8\ \text{mod}[3,\ 9]}{1},\ 8\ (3 + \text{Log}[9,\ 1]),\ 8 \times 3 + \text{Log}[9,\ 1],\ 8\ \text{mod}[3,\ 9 \times 1],$$
$$8\ \text{mod}[3,\ 9 + 1],\ 8\ \text{mod}\left[3,\ \frac{9}{1}\right],\ 8\ \text{mod}\left[3,\ 9^1\right],\ 8\ \text{mod}[3,\ \text{root}[9,\ 1]],\ 8\ \text{mod}[3,\ 9 - 1],$$
$$8\ (3 + \text{mod}[9,\ 1]),\ 8 \times 3 + \text{mod}[9,\ 1],\ \frac{8}{3}\ 9^1,\ \left(\frac{8}{3}\ 9\right)^1,\ \left(\frac{8}{\frac{3}{9}}\right)^1,\ 8\ \text{mod}[3,\ 9]^1,\ (8\ \text{mod}[3,\ 9])^1,$$
$$\frac{8}{3}\ \text{root}[9,\ 1],\ \text{root}\left[\frac{8}{3}\ 9,\ 1\right],\ \text{root}\left[\frac{8}{\frac{3}{9}},\ 1\right],\ 8\ \text{root}[\text{mod}[3,\ 9],\ 1],\ \text{root}[8\ \text{mod}[3,\ 9],\ 1],$$
$$8\ (3 - \text{Log}[9,\ 1]),\ 8\ (3 - \text{mod}[9,\ 1]),\ 8 \times 3 - \text{Log}[9,\ 1],\ 8 \times 3 - \text{mod}[9,\ 1],\ \text{mod}[8,\ 9]\ 3,$$
$$\frac{\text{mod}[8,\ 9]}{1}\ 3,\ (8 + \text{Log}[9,\ 1])\ 3,\ \text{mod}[8,\ 9 \times 1]\ 3,\ \text{mod}[8,\ 9 + 1]\ 3,\ \text{mod}\left[8,\ \frac{9}{1}\right]\ 3,$$
$$\text{mod}\left[8,\ 9^1\right]\ 3,\ \text{mod}[8,\ \text{root}[9,\ 1]]\ 3,\ (8 + \text{mod}[9,\ 1])\ 3,\ \text{mod}[8,\ 9]^1\ 3,\ \text{root}[\text{mod}[8,\ 9],\ 1]\ 3,$$
$$(8 - \text{Log}[9,\ 1])\ 3,\ (8 - \text{mod}[9,\ 1])\ 3,\ \text{mod}[8,\ 9]\ 3,\ 8\ (\text{Log}[9,\ 1] + 3),\ 8\ (\text{mod}[9,\ 1] + 3),$$
$$(8 \times 9)\ \frac{1}{3},\ 8\ \left(9 \times \frac{1}{3}\right),\ \frac{8}{\text{root}[9,\ 1 - 3]},\ 8\ \frac{9}{1 \times 3},\ 8\ \frac{9 \times 1}{3},\ \frac{8 \times 9}{3},\ \frac{8 \times 9}{1 \times 3},\ \frac{8 \times 9}{3},\ 8\ \frac{\frac{9}{1}}{3},\ \frac{8 \times \frac{9}{1}}{3},$$
$$\frac{\frac{8 \times 9}{1}}{3},\ \frac{\text{mod}[8,\ 9]}{\frac{1}{3}},\ 8\ \frac{9^1}{3},\ \frac{8 \times 9^1}{3},\ \frac{(8 \times 9)^1}{3},\ 8\ \frac{\text{root}[9,\ 1]}{3},\ \frac{8\ \text{root}[9,\ 1]}{3},\ \frac{\text{root}[8 \times 9,\ 1]}{3},$$
$$\text{mod}[8,\ 9]\ 3,\ 8 \times \frac{9}{3},\ \frac{8 \times 9}{3}\ 1,\ \text{mod}[8,\ 9]\ 3,\ 8 \times \frac{9}{3},\ \text{mod}[8,\ 9]\ \frac{3}{1},\ 8\ \frac{9}{3 \times 1},\ 8\ \frac{9}{\frac{3}{1}},\ 8\ \frac{9}{3^1},$$
$$8\ \frac{9}{\text{root}[3,\ 1]},\ \frac{\text{mod}[8,\ 9]\ 3}{1},\ \frac{8 \times 9}{3 \times 1},\ \frac{8 \times 9}{\frac{3}{1}},\ \frac{8 \times 9}{3^1},\ \frac{8 \times 9}{\text{root}[3,\ 1]},\ 8\ \frac{\frac{9}{3}}{1},\ \frac{8 \times \frac{9}{3}}{1},\ \frac{\frac{8 \times 9}{3}}{1},$$
$$\text{mod}[8,\ 9]\ 3^1,\ (\text{mod}[8,\ 9]\ 3)^1,\ 8\ \left(\frac{9}{3}\right)^1,\ \left(8 \times \frac{9}{3}\right)^1,\ \left(\frac{8 \times 9}{3}\right)^1,\ \text{mod}[8,\ 9]\ \text{root}[3,\ 1],$$
$$8\ \text{root}[9,\ 3 - 1],\ \text{root}[\text{mod}[8,\ 9]\ 3,\ 1],\ 8\ \text{root}\left[\frac{9}{3},\ 1\right],\ \text{root}\left[8 \times \frac{9}{3},\ 1\right],\ \text{root}\left[\frac{8 \times 9}{3},\ 1\right],$$
$$(\text{Log}[9,\ 1] + 3)\ 8,\ (\text{mod}[9,\ 1] + 3)\ 8,\ \left(9 \times \frac{1}{3}\right)\ 8,\ \frac{9}{1 \times 3}\ 8,\ \frac{9 \times 1}{3}\ 8,\ \frac{\frac{9}{1}}{3}\ 8,\ \frac{9^1}{3}\ 8,\ \frac{\text{root}[9,\ 1]}{3}\ 8,$$
$$9\ \left(\frac{1}{3}\ 8\right),\ \text{Log}[9,\ 1] + 3 \times 8,\ \text{mod}[9,\ 1] + 3 \times 8,\ 9\ \frac{1}{\frac{3}{8}},\ \frac{9}{1 \times \frac{3}{8}},\ \frac{9}{\frac{1 \times 3}{8}},\ \frac{9 \times 1}{\frac{3}{8}},\ \frac{\frac{9}{1}}{\frac{3}{8}},\ \frac{9^1}{\frac{3}{8}},$$
$$\frac{\text{root}[9,\ 1]}{\frac{3}{8}},\ (9 - 1)\ \text{mod}[3,\ 8],\ (\text{Log}[9,\ 1] + 8)\ 3,\ (\text{mod}[9,\ 1] + 8)\ 3,\ (9 - \text{mod}[1,\ 8])\ 3,$$

$$\left(9-1^{8}\right)\,3,\ (9-\text{root}[1,\,8])\,3,\ \text{Log}[9,\,1]+8\times 3,\ \text{mod}[9,\,1]+8\times 3,\ 9\times\frac{8}{3},\ \frac{9}{1}\,\frac{8}{3},\ 9^{1}\,\frac{8}{3},$$

$$\text{root}[9,\,1]\,\frac{8}{3},\ 9\times\frac{8}{3},\ \frac{9}{\frac{1}{8}}\,3,\ \frac{9}{\frac{1}{\frac{8}{3}}},\ 9\,\frac{1\times 8}{3},\ \frac{9\times 8}{3},\ \frac{\frac{9}{1}\,8}{3},\ \frac{9^{1}\,8}{3},\ \frac{\text{root}[9,\,1]\,8}{3},\ \frac{9\times 8}{3},\ \frac{\frac{9}{1}}{\frac{8}{3}},$$

$$\frac{9}{3}\,8,\ \frac{9}{3\times 1}\,8,\ \frac{9}{\frac{3}{1}}\,8,\ \frac{9}{3^{1}}\,8,\ \frac{9}{\text{root}[3,\,1]}\,8,\ \frac{\frac{9}{3}}{1}\,8,\ \left(\frac{9}{3}\right)^{1}\,8,\ \text{root}[9,\,3-1]\,8,\ \text{root}\left[\frac{9}{3},\,1\right]\,8,$$

$$\frac{9}{3}\,8,\ \frac{9}{3\times\frac{1}{8}},\ \frac{9}{\frac{3}{1\times 8}},\ \frac{9}{\frac{3\times 1}{8}},\ \frac{9}{\frac{3}{\frac{1}{8}}},\ \frac{9}{\frac{3^{1}}{8}},\ \frac{9}{\frac{\text{root}[3,1]}{8}},\ \frac{\frac{9}{3}}{\frac{1}{8}},\ \frac{9}{3}\,8,\ \frac{9}{\frac{3}{8}}\,1,\ \frac{9}{3}\,8,\ \frac{9}{3}\,\frac{8}{1},\ \frac{9}{\frac{3}{8}}\,1,\ \frac{9}{\frac{3}{8\times 1}},\ \frac{9}{\frac{3}{\frac{8}{1}}},$$

$$\frac{9}{\frac{3}{8^{1}}},\ \frac{9}{\frac{3}{\text{root}[8,1]}},\ \frac{9}{\frac{3}{\frac{8}{1}}},\ \frac{9}{\left(\frac{3}{8}\right)^{1}},\ \frac{\frac{9}{3}\,8}{1},\ \frac{\frac{9}{\frac{3}{8}}}{1},\ \frac{9}{3}\,8^{1},\ \left(\frac{9}{3}\,8\right)^{1},\ \left(\frac{9}{\frac{3}{8}}\right)^{1},\ \frac{9}{3}\,\text{root}[8,\,1],\ \text{root}\left[\frac{9}{3}\,8,\,1\right],$$

$$\text{root}\left[\frac{9}{\frac{3}{8}},\,1\right],\ (9\times 8)\,\frac{1}{3},\ 9\left(8\times\frac{1}{3}\right),\ 9\,\frac{8}{1\times 3},\ 9\,\frac{8\times 1}{3},\ \frac{9\times 8}{3},\ \frac{9\times 8}{1\times 3},\ \frac{9\times 8}{3},\ 9\,\frac{\frac{8}{1}}{3},\ \frac{9\times\frac{8}{1}}{3},$$

$$\frac{\frac{9\times 8}{1}}{3},\ 9\,\frac{8^{1}}{3},\ \frac{9\times 8^{1}}{3},\ \frac{(9\times 8)^{1}}{3},\ 9\,\frac{\text{root}[8,\,1]}{3},\ \frac{9\,\text{root}[8,\,1]}{3},\ \frac{\text{root}[9\times 8,\,1]}{3},\ 9\times\frac{8}{3},$$

$$\frac{9\times 8}{3}\,1,\ 9\times\frac{8}{3},\ 9\,\frac{8}{3\times 1},\ 9\,\frac{8}{\frac{3}{1}},\ 9\,\frac{8}{3^{1}},\ 9\,\frac{8}{\text{root}[3,\,1]},\ \frac{9\times 8}{3\times 1},\ \frac{9\times 8}{\frac{3}{1}},\ \frac{9\times 8}{3^{1}},\ \frac{9\times 8}{\text{root}[3,\,1]},$$

$$9\,\frac{\frac{8}{3}}{1},\ \frac{9\times\frac{8}{3}}{1},\ \frac{\frac{9\times 8}{3}}{1},\ 9\left(\frac{8}{3}\right)^{1},\ \left(9\times\frac{8}{3}\right)^{1},\ \left(\frac{9\times 8}{3}\right)^{1},\ \text{root}\left[9\times\frac{8}{3},\,1\right],\ \text{root}\left[\frac{9\times 8}{3},\,1\right]\Big\}\Big\},$$

$$\Big\{\{1,\,3,\,8,\,10\},\ \Big\{3\,\text{mod}[8,\,10],\ 3\,\text{mod}[8,\,10],\ \text{mod}[3,\,10]\,8,\ \text{mod}[1\times 3,\,10]\,8,$$
$$\text{mod}[3,\,10]\,8,\ 8\,\text{mod}[3,\,10],\ 8\,\text{mod}[3,\,10],\ \text{mod}[8,\,10]\,3,\ \text{mod}[1\times 8,\,10]\,3,\ \text{mod}[8,\,10]\,3,$$
$$(\text{mod}[1,\,10]\,3)\,8,\ \left(1^{10}\,3\right)\,8,\ (\text{root}[1,\,10]\,3)\,8,\ \text{mod}[1,\,10]\,(3\times 8),\ 1^{10}\,(3\times 8),$$
$$\text{root}[1,\,10]\,(3\times 8),\ (\text{mod}[1,\,10]\,8)\,3,\ \left(1^{10}\,8\right)\,3,\ (\text{root}[1,\,10]\,8)\,3,\ \text{mod}[1,\,10]\,(8\times 3),$$
$$1^{10}\,(8\times 3),\ \text{root}[1,\,10]\,(8\times 3),\ \frac{3}{\frac{1}{\text{mod}[8,10]}},\ 3\,\text{mod}[8,\,10],\ \frac{3}{1}\,\text{mod}[8,\,10],\ 3^{1}\,\text{mod}[8,\,10],$$
$$\text{root}[3,\,1]\,\text{mod}[8,\,10],\ 3\,\text{mod}[8,\,10],\ 3\,\text{mod}[1\times 8,\,10],\ \frac{3}{\text{mod}[1,\,10]}\,8,\ \frac{3}{1^{10}}\,8,\ \frac{3}{\text{root}[1,\,10]}\,8,$$
$$(3\,\text{mod}[1,\,10])\,8,\ \text{mod}[3,\,1\times 10]\,8,\ \text{mod}[3,\,1+10]\,8,\ \text{mod}[3\times 1,\,10]\,8,\ \text{mod}\left[\frac{3}{1},\,10\right]\,8,$$
$$\text{mod}\left[3^{1},\,10\right]\,8,\ \text{mod}[\text{root}[3,\,1],\,10]\,8,\ \left(3\times 1^{10}\right)\,8,\ 3^{\text{mod}[1,10]}\,8,\ 3^{1^{10}}\,8,\ 3^{\text{root}[1,10]}\,8,$$
$$(3\,\text{root}[1,\,10])\,8,\ \text{root}[3,\,\text{mod}[1,\,10]]\,8,\ \text{root}\left[3,\,1^{10}\right]\,8,\ \text{root}[3,\,\text{root}[1,\,10]]\,8,$$
$$3\,(\text{mod}[1,\,10]\,8),\ 3\,\left(1^{10}\,8\right),\ 3\,(\text{root}[1,\,10]\,8),\ \frac{3}{\frac{\text{mod}[1,10]}{8}},\ \frac{3}{\frac{1^{10}}{8}},\ \frac{3}{\frac{\text{root}[1,10]}{8}},\ 3\,\frac{8}{\text{mod}[1,\,10]},$$
$$3\,\frac{8}{1^{10}},\ 3\,\frac{8}{\text{root}[1,\,10]},\ \frac{3\times 8}{\text{mod}[1,\,10]},\ \frac{3\times 8}{1^{10}},\ \frac{3\times 8}{\text{root}[1,\,10]},\ (3\times 8)\,\text{mod}[1,\,10],$$

$$3\,(8\bmod[1,\,10]),\ 3\bmod[8,\,1\times10],\ 3\bmod[8,\,1+10],\ 3\bmod[8\times1,\,10],\ 3\bmod\left[\frac{8}{1},\,10\right],$$

$$3\bmod\left[8^{1},\,10\right],\ 3\bmod[\mathrm{root}[8,\,1],\,10],\ (3\times8)\,1^{10},\ 3\left(8\times1^{10}\right),\ 3\times8^{\bmod[1,10]},\ 3\times8^{1^{10}},$$

$$3\times8^{\mathrm{root}[1,10]},\ (3\times8)^{\bmod[1,10]},\ (3\times8)^{1^{10}},\ (3\times8)^{\mathrm{root}[1,10]},\ (3\times8)\,\mathrm{root}[1,\,10],$$

$$3\,(8\,\mathrm{root}[1,\,10]),\ 3\,\mathrm{root}[8,\,\bmod[1,\,10]],\ 3\,\mathrm{root}\left[8,\,1^{10}\right],\ 3\,\mathrm{root}[8,\,\mathrm{root}[1,\,10]],$$

$$\mathrm{root}[3\times8,\,\bmod[1,\,10]],\ \mathrm{root}\left[3\times8,\,1^{10}\right],\ \mathrm{root}[3\times8,\,\mathrm{root}[1,\,10]],\ 3\bmod[8,\,10],$$

$$3\bmod[8,\,10],\ 3\,\frac{\bmod[8,\,10]}{1},\ \frac{3\bmod[8,\,10]}{1},\ 3\,(8+\mathrm{Log}[10,\,1]),\ 3\times8+\mathrm{Log}[10,\,1],$$

$$3\bmod[8,\,10\times1],\ 3\bmod[8,\,10+1],\ 3\bmod\left[8,\,\frac{10}{1}\right],\ 3\bmod\left[8,\,10^{1}\right],\ 3\bmod[8,\,\mathrm{root}[10,\,1]],$$

$$3\bmod[8,\,10-1],\ 3\,(8+\bmod[10,\,1]),\ 3\times8+\bmod[10,\,1],\ 3\bmod[8,\,10]^{1},\ (3\bmod[8,\,10])^{1},$$

$$3\,\mathrm{root}[\bmod[8,\,10],\,1],\ \mathrm{root}[3\bmod[8,\,10],\,1],\ 3\,(8-\mathrm{Log}[10,\,1]),\ 3\,(8-\bmod[10,\,1]),$$

$$3\times8-\mathrm{Log}[10,\,1],\ 3\times8-\bmod[10,\,1],\ \bmod[3,\,10]\,8,\ \frac{\bmod[3,\,10]}{1}\,8,\ (3+\mathrm{Log}[10,\,1])\,8,$$

$$\bmod[3,\,10\times1]\,8,\ \bmod[3,\,10+1]\,8,\ \bmod\left[3,\,\frac{10}{1}\right]8,\ \bmod\left[3,\,10^{1}\right]8,\ \bmod[3,\,\mathrm{root}[10,\,1]]\,8,$$

$$\bmod[3,\,10-1]\,8,\ (3+\bmod[10,\,1])\,8,\ \bmod[3,\,10]^{1}\,8,\ \mathrm{root}[\bmod[3,\,10],\,1]\,8,$$

$$(3-\mathrm{Log}[10,\,1])\,8,\ (3-\bmod[10,\,1])\,8,\ \bmod[3,\,10]\,8,\ 3\,(\mathrm{Log}[10,\,1]+8),\ 3\,(\bmod[10,\,1]+8),$$

$$\frac{\bmod[3,\,10]}{\frac{1}{8}},\ \bmod[3,\,10]\,8,\ \bmod[3,\,10]\,8,\ \bmod[3,\,10]\,\frac{8}{1},\ \frac{\bmod[3,\,10]\,8}{1},\ \bmod[3,\,10]\,8^{1},$$

$$(\bmod[3,\,10]\,8)^{1},\ \bmod[3,\,10]\,\mathrm{root}[8,\,1],\ \mathrm{root}[\bmod[3,\,10]\,8,\,1],\ \frac{8}{\frac{1}{\bmod[3,10]}},\ 8\bmod[3,\,10],$$

$$\frac{8}{1}\bmod[3,\,10],\ 8^{1}\bmod[3,\,10],\ \mathrm{root}[8,\,1]\bmod[3,\,10],\ 8\bmod[3,\,10],\ 8\bmod[1\times3,\,10],$$

$$\frac{8}{\bmod[1,\,10]}\,3,\ \frac{8}{1^{10}}\,3,\ \frac{8}{\mathrm{root}[1,\,10]}\,3,\ (8\bmod[1,\,10])\,3,\ \bmod[8,\,1\times10]\,3,\ \bmod[8,\,1+10]\,3,$$

$$\bmod[8\times1,\,10]\,3,\ \bmod\left[\frac{8}{1},\,10\right]3,\ \bmod\left[8^{1},\,10\right]3,\ \bmod[\mathrm{root}[8,\,1],\,10]\,3,\ \left(8\times1^{10}\right)3,$$

$$8^{\bmod[1,10]}\,3,\ 8^{1^{10}}\,3,\ 8^{\mathrm{root}[1,10]}\,3,\ (8\,\mathrm{root}[1,\,10])\,3,\ \mathrm{root}[8,\,\bmod[1,\,10]]\,3,\ \mathrm{root}\left[8,\,1^{10}\right]3,$$

$$\mathrm{root}[8,\,\mathrm{root}[1,\,10]]\,3,\ 8\,(\bmod[1,\,10]\,3),\ 8\left(1^{10}\,3\right),\ 8\,(\mathrm{root}[1,\,10]\,3),\ \frac{8}{\frac{\bmod[1,10]}{3}},\ \frac{8}{\frac{1^{10}}{3}},$$

$$\frac{8}{\frac{\mathrm{root}[1,10]}{3}},\ 8\,\frac{3}{\bmod[1,\,10]},\ 8\,\frac{3}{1^{10}},\ 8\,\frac{3}{\mathrm{root}[1,\,10]},\ \frac{8\times3}{\bmod[1,\,10]},\ \frac{8\times3}{1^{10}},\ \frac{8\times3}{\mathrm{root}[1,\,10]},$$

$$(8\times3)\bmod[1,\,10],\ 8\,(3\bmod[1,\,10]),\ 8\bmod[3,\,1\times10],\ 8\bmod[3,\,1+10],\ 8\bmod[3\times1,\,10],$$

$$8\bmod\left[\frac{3}{1},\,10\right],\ 8\bmod\left[3^{1},\,10\right],\ 8\bmod[\mathrm{root}[3,\,1],\,10],\ (8\times3)\,1^{10},\ 8\left(3\times1^{10}\right),\ 8\times3^{\bmod[1,10]},$$

$$8\times3^{1^{10}},\ 8\times3^{\mathrm{root}[1,10]},\ (8\times3)^{\bmod[1,10]},\ (8\times3)^{1^{10}},\ (8\times3)^{\mathrm{root}[1,10]},\ (8\times3)\,\mathrm{root}[1,\,10],$$

$$8\,(3\,\mathrm{root}[1,\,10]),\ 8\,\mathrm{root}[3,\,\bmod[1,\,10]],\ 8\,\mathrm{root}\left[3,\,1^{10}\right],\ 8\,\mathrm{root}[3,\,\mathrm{root}[1,\,10]],$$

$$\mathrm{root}[8\times3,\,\bmod[1,\,10]],\ \mathrm{root}\left[8\times3,\,1^{10}\right],\ \mathrm{root}[8\times3,\,\mathrm{root}[1,\,10]],\ 8\bmod[3,\,10],$$

$$8\bmod[3,\,10],\ \frac{8}{\frac{3}{10-1}},\ 8\,\frac{\bmod[3,\,10]}{1},\ \frac{8\bmod[3,\,10]}{1},\ 8\,(3+\mathrm{Log}[10,\,1]),\ 8\times3+\mathrm{Log}[10,\,1],$$

$$8\bmod[3,\,10\times1],\ 8\bmod[3,\,10+1],\ 8\bmod\left[3,\,\frac{10}{1}\right],\ 8\bmod\left[3,\,10^{1}\right],\ 8\bmod[3,\,\mathrm{root}[10,\,1]],$$

$$8\bmod[3,\,10-1],\ 8\,(3+\bmod[10,\,1]),\ 8\times3+\bmod[10,\,1],\ 8\bmod[3,\,10]^{1},\ (8\bmod[3,\,10])^{1},$$

$$8\,\text{root}[\text{mod}[3,\,10],\,1],\ \text{root}[8\,\text{mod}[3,\,10],\,1],\ 8\,(3-\text{Log}[10,\,1]),\ 8\,(3-\text{mod}[10,\,1]),$$
$$\frac{8}{3}\,(10-1),\ 8\times 3-\text{Log}[10,\,1],\ 8\times 3-\text{mod}[10,\,1],\ \text{mod}[8,\,10]\,3,\ \frac{\text{mod}[8,\,10]}{1}\,3,$$
$$(8+\text{Log}[10,\,1])\,3,\ \text{mod}[8,\,10\times 1]\,3,\ \text{mod}[8,\,10+1]\,3,\ \text{mod}\left[8,\,\frac{10}{1}\right]3,\ \text{mod}\left[8,\,10^1\right]3,$$
$$\text{mod}[8,\,\text{root}[10,\,1]]\,3,\ \text{mod}[8,\,10-1]\,3,\ (8+\text{mod}[10,\,1])\,3,\ \text{mod}[8,\,10]^1\,3,$$
$$\text{root}[\text{mod}[8,\,10],\,1]\,3,\ (8-\text{Log}[10,\,1])\,3,\ (8-\text{mod}[10,\,1])\,3,\ \text{mod}[8,\,10]\,3,$$
$$8\,(\text{Log}[10,\,1]+3),\ 8\,(\text{mod}[10,\,1]+3),\ \frac{\text{mod}[8,\,10]}{\frac{1}{3}},\ 8\,\frac{10-1}{3},\ \frac{8\,(10-1)}{3},\ \text{mod}[8,\,10]\,3,$$
$$\text{mod}[8,\,10]\,3,\ \text{mod}[8,\,10]\,\frac{3}{1},\ \frac{\text{mod}[8,\,10]\,3}{1},\ \text{mod}[8,\,10]\,3^1,\ (\text{mod}[8,\,10]\,3)^1,$$
$$\text{mod}[8,\,10]\,\text{root}[3,\,1],\ \text{root}[\text{mod}[8,\,10]\,3,\,1],\ (\text{Log}[10,\,1]+3)\,8,\ (\text{mod}[10,\,1]+3)\,8,$$
$$\frac{10-1}{3}\,8,\ \text{Log}[10,\,1]+3\times 8,\ \text{mod}[10,\,1]+3\times 8,\ \frac{10-1}{\frac{3}{8}},\ (\text{Log}[10,\,1]+8)\,3,$$
$$(\text{mod}[10,\,1]+8)\,3,\ \text{Log}[10,\,1]+8\times 3,\ \text{mod}[10,\,1]+8\times 3,\ (10-1)\,\frac{8}{3},\ \frac{(10-1)\,8}{3}\Big\}\Big\},$$
$$\Big\{\{1,\,3,\,9,\,9\},\ \Big\{3\,\text{mod}[9-1,\,9],\ 3\,(9-\text{mod}[1,\,9]),\ 3\left(9-1^9\right),\ 3\,(9-\text{root}[1,\,9]),$$
$$\text{mod}[3,\,9]\,(9-1),\ \frac{9-1}{3}\,9,\ \frac{9-1}{\frac{3}{9}},\ (9-1)\,\text{mod}[3,\,9],\ \text{mod}[9-1,\,9]\,3,\ (9-\text{mod}[1,\,9])\,3,$$
$$\left(9-1^9\right)3,\ (9-\text{root}[1,\,9])\,3,\ (9-1)\,\frac{9}{3},\ \frac{(9-1)\,9}{3},\ \frac{9}{\frac{3}{9-1}},\ \frac{9}{3}\,(9-1),\ 9\,\frac{9-1}{3},\ \frac{9\,(9-1)}{3}\Big\}\Big\},$$
$$\Big\{\{1,\,3,\,9,\,10\},\ \Big\{(1+10)\,3-9,\ 3\,(1+10)-9,\ 3\,\text{mod}[9-1,\,10],\ 3\,(9-\text{mod}[1,\,10]),$$
$$3\left(9-1^{10}\right),\ 3\,(9-\text{root}[1,\,10]),\ 3\,(\text{mod}[9,\,10]-1),\ 3\,(10+1)-9,$$
$$\text{mod}[3,\,10]\,(9-1),\ (9-1)\,\text{mod}[3,\,10],\ \text{mod}[9-1,\,10]\,3,\ (9-\text{mod}[1,\,10])\,3,$$
$$\left(9-1^{10}\right)3,\ (9-\text{root}[1,\,10])\,3,\ (\text{mod}[9,\,10]-1)\,3,\ (10+1)\,3-9\Big\}\Big\},$$
$$\{\{1,\,3,\,10,\,10\},\ \{((1+3)+10)+10,\ (1+(3+10))+10,\ (1+3)+(10+10),\ 1+((3+10)+10),$$
$$1+(3+(10+10)),\ ((1+10)+3)+10,\ (1+(10+3))+10,\ (1+10)+(3+10),\ 1+((10+3)+10),$$
$$1+(10+(3+10)),\ ((1+10)+10)+3,\ (1+(10+10))+3,\ (1+10)+(10+3),\ 1+((10+10)+3),$$
$$1+(10+(10+3)),\ ((3+1)+10)+10,\ (3+(1+10))+10,\ (3+1)+(10+10),\ 3+((1+10)+10),$$
$$3+(1+(10+10)),\ ((3+10)+1)+10,\ (3+(10+1))+10,\ (3+10)+(1+10),\ 3+((10+1)+10),$$
$$3+(10+(1+10)),\ ((3+10)+10)+1,\ (3+(10+10))+1,\ (3+10)+(10+1),\ 3+((10+10)+1),$$
$$3+(10+(10+1)),\ ((10+1)+3)+10,\ (10+(1+3))+10,\ (10+1)+(3+10),\ 10+((1+3)+10),$$
$$10+(1+(3+10)),\ ((10+1)+10)+3,\ (10+(1+10))+3,\ (10+1)+(10+3),\ 10+((1+10)+3),$$
$$10+(1+(10+3)),\ ((10+3)+1)+10,\ (10+(3+1))+10,\ (10+3)+(1+10),\ 10+((3+1)+10),$$
$$10+(3+(1+10)),\ ((10+3)+10)+1,\ (10+(3+10))+1,\ (10+3)+(10+1),$$
$$10+((3+10)+1),\ 10+(3+(10+1)),\ ((10+10)+1)+3,\ (10+(10+1))+3,$$
$$(10+10)+(1+3),\ 10+((10+1)+3),\ 10+(10+(1+3)),\ ((10+10)+3)+1,$$
$$(10+(10+3))+1,\ (10+10)+(3+1),\ 10+((10+3)+1),\ 10+(10+(3+1))\}\},$$
$$\{\{1,\,4,\,4,\,4\},\ \{(1+4)\,4+4,\ (4-1)\,(4+4),\ (4+1)\,4+4,\ 4\,(1+4)+4,\ 4+(1+4)\,4,$$
$$4\,(4+1)+4,\ 4+(4+1)\,4,\ 4+4\,(1+4),\ 4+4\,(4+1),\ (4+4)\,(4-1)\}\},$$
$$\Big\{\{1,\,4,\,4,\,5\},\ \Big\{1\,(4+4\times 5),\ 1\times 4+4\times 5,\ (\text{mod}[1,\,4]+5)\,4,\ \left(1^4+5\right)4,\ (\text{root}[1,\,4]+5)\,4,$$
$$1\,(4\times 5+4),\ 4\times 5+4,\ 4\times 5+4,\ 1\,(4+5\times 4),\ 1\times 4+5\times 4,\ 1\,(5\times 4+4),\ 5\times 4+4,\ 5\times 4+4,$$
$$4\,(\text{mod}[1,\,4]+5),\ 4\left(1^4+5\right),\ 4\,(\text{root}[1,\,4]+5),\ 4\times 1+4\times 5,\ \frac{4}{1}+4\times 5,\ 4^1+4\times 5,$$
$$\text{root}[4,\,1]+4\times 5,\ 4+4\times 5,\ 4+4\times 5,\ 4\times 5+4,\ \frac{4}{1}\,5+4,\ 4^1\,5+4,\ \text{root}[4,\,1]\,5+4,$$
$$4\times 5+4,\ \frac{4}{\frac{1}{5}}+4,\ 4\times 1+5\times 4,\ \frac{4}{1}+5\times 4,\ 4^1+5\times 4,\ \text{root}[4,\,1]+5\times 4,\ 4+5\times 4,$$

$$4+5\times 4,\ 4+4\times 5,\ 4+\frac{4}{1}5,\ 4+4^1\,5,\ 4+\text{root}[4,\,1]\,5,\ 4+4\times 5,\ 4+\frac{4}{\frac{1}{5}},\ (4+4\times 5)\,1,$$

$$4+4\times 5,\ 4+4\times 5,\ 4+4\times\frac{5}{1},\ 4+\frac{4\times 5}{1},\ \frac{4+4\times 5}{1},\ 4+4\times 5^1,\ 4+(4\times 5)^1,\ (4+4\times 5)^1,$$

$$4+4\,\text{root}[5,\,1],\ 4+\text{root}[4\times 5,\,1],\ \text{root}[4+4\times 5,\,1],\ 4\times 5+4,\ 4\times 5+4,\ 4\times\frac{5}{1}+4,$$

$$\frac{4\times 5}{1}+4,\ 4\times 5^1+4,\ (4\times 5)^1+4,\ 4\,\text{root}[5,\,1]+4,\ \text{root}[4\times 5,\,1]+4,\ 4\times 5+1\times 4,$$

$$4+5\times 4,\ 4+\frac{5}{1}4,\ 4+5^1\,4,\ 4+\text{root}[5,\,1]\,4,\ 4+5\times 4,\ 4+\frac{5}{\frac{1}{4}},\ 4\,(5+\text{mod}[1,\,4]),\ 4\left(5+1^4\right),$$

$$4\,(5+\text{root}[1,\,4]),\ (4\times 5+4)\,1,\ (4+5\times 4)\,1,\ 4\times 5+4\times 1,\ 4+5\times 4,\ 4+5\times 4,\ 4\times 5+\frac{4}{1},$$

$$4+5\times\frac{4}{1},\ 4+\frac{5\times 4}{1},\ \frac{4\times 5+4}{1},\ \frac{4+5\times 4}{1},\ 4\times 5+4^1,\ 4+5\times 4^1,\ 4+(5\times 4)^1,\ (4\times 5+4)^1,$$

$$(4+5\times 4)^1,\ 4\times 5+\text{root}[4,\,1],\ 4+5\,\text{root}[4,\,1],\ 4+\text{root}[5\times 4,\,1],\ \text{root}[4\times 5+4,\,1],$$

$$\text{root}[4+5\times 4,\,1],\ (5+\text{mod}[1,\,4])\,4,\ \left(5+1^4\right)4,\ (5+\text{root}[1,\,4])\,4,\ 5\times 4+4,\ \frac{5}{1}4+4,$$

$$5^1\,4+4,\ \text{root}[5,\,1]\,4+4,\ 5\times 4+4,\ \frac{5}{\frac{1}{4}}+4,\ 5\times 4+4,\ 5\times 4+4,\ 5\times\frac{4}{1}+4,\ \frac{5\times 4}{1}+4,\ 5\times 4^1+4,$$

$$(5\times 4)^1+4,\ 5\,\text{root}[4,\,1]+4,\ \text{root}[5\times 4,\,1]+4,\ 5\times 4+1\times 4,\ (5\times 4+4)\,1,\ 5\times 4+4\times 1,$$

$$5\times 4+\frac{4}{1},\ \frac{5\times 4+4}{1},\ 5\times 4+4^1,\ (5\times 4+4)^1,\ 5\times 4+\text{root}[4,\,1],\ \text{root}[5\times 4+4,\,1]\Big\}\Big\},$$

$$\Big\{\{1,\,4,\,4,\,6\},\ \Big\{(\text{mod}[1,\,4]\,4)\,6,\ \left(1^4\,4\right)6,\ (\text{root}[1,\,4]\,4)\,6,\ \text{mod}[1,\,4]\,(4\times 6),\ 1^4\,(4\times 6),$$

$$\text{root}[1,\,4]\,(4\times 6),\ (\text{mod}[1,\,4]\,6)\,4,\ \left(1^4\,6\right)4,\ (\text{root}[1,\,4]\,6)\,4,\ \text{mod}[1,\,4]\,(6\times 4),$$

$$1^4\,(6\times 4),\ \text{root}[1,\,4]\,(6\times 4),\ (1+6)\,4-4,\ (\text{Log}[4,\,1]+4)\,6,\ (\text{mod}[4,\,1]+4)\,6,$$

$$\frac{4}{\text{mod}[1,\,4]}6,\ \frac{4}{1^4}6,\ \frac{4}{\text{root}[1,\,4]}6,\ (4\,\text{mod}[1,\,4])\,6,\ \text{mod}[4,\,1+4]\,6,\ \left(4\times 1^4\right)6,$$

$$4^{\text{mod}[1,4]}\,6,\ 4^{1^4}\,6,\ 4^{\text{root}[1,4]}\,6,\ (4\,\text{root}[1,\,4])\,6,\ \text{root}[4,\,\text{mod}[1,\,4]]\,6,\ \text{root}\left[4,\,1^4\right]6,$$

$$\text{root}[4,\,\text{root}[1,\,4]]\,6,\ 4\,(\text{mod}[1,\,4]\,6),\ 4\left(1^4\,6\right),\ 4\,(\text{root}[1,\,4]\,6),\ \text{Log}[4,\,1]+4\times 6,$$

$$\text{mod}[4,\,1]+4\times 6,\ \frac{4}{\frac{\text{mod}[1,4]}{6}},\ \frac{4}{\frac{1^4}{6}},\ \frac{4}{\frac{\text{root}[1,4]}{6}},\ 4^{1+\text{Log}[4,6]},\ (\text{Log}[4,\,1]+6)\,4,\ (\text{mod}[4,\,1]+6)\,4,$$

$$\text{Log}[4,\,1]+6\times 4,\ \text{mod}[4,\,1]+6\times 4,\ 4-(1-6)\,4,\ 4\,(1+6)-4,\ (4+\text{Log}[4,\,1])\,6,$$

$$(4+\text{mod}[4,\,1])\,6,\ \text{mod}[4,\,4+1]\,6,\ (4-\text{Log}[4,\,1])\,6,\ (4-\text{mod}[4,\,1])\,6,\ 4\,(\text{Log}[4,\,1]+6),$$

$$4\,(\text{mod}[4,\,1]+6),\ 4-4\,(1-6),\ 4^{\text{Log}[4,6]+1},\ 4+4\,(6-1),\ 4\,(6-1)+4,\ 4+(6-1)\,4,$$

$$4\,\frac{6}{\text{mod}[1,\,4]},\ 4\,\frac{6}{1^4},\ 4\,\frac{6}{\text{root}[1,\,4]},\ \frac{4\times 6}{\text{mod}[1,\,4]},\ \frac{4\times 6}{1^4},\ \frac{4\times 6}{\text{root}[1,\,4]},\ (4\times 6)\,\text{mod}[1,\,4],$$

$$4\,(6\,\text{mod}[1,\,4]),\ (4\times 6)\,1^4,\ 4\left(6\times 1^4\right),\ 4\times 6^{\text{mod}[1,4]},\ 4\times 6^{1^4},\ 4\times 6^{\text{root}[1,4]},\ (4\times 6)^{\text{mod}[1,4]},$$

$$(4\times 6)^{1^4},\ (4\times 6)^{\text{root}[1,4]},\ (4\times 6)\,\text{root}[1,\,4],\ 4\,(6\,\text{root}[1,\,4]),\ 4\,\text{root}[6,\,\text{mod}[1,\,4]],$$

$$4\,\text{root}\left[6,\,1^4\right],\ 4\,\text{root}[6,\,\text{root}[1,\,4]],\ \text{root}[4\times 6,\,\text{mod}[1,\,4]],\ \text{root}\left[4\times 6,\,1^4\right],$$

$$\text{root}[4\times 6,\,\text{root}[1,\,4]],\ 4\,(6+1)-4,\ 4\,(6+\text{Log}[4,\,1]),\ 4\times 6+\text{Log}[4,\,1],\ 4\,(6+\text{mod}[4,\,1]),$$

$$4\times 6+\text{mod}[4,\,1],\ 4\,(6-\text{Log}[4,\,1]),\ 4\,(6-\text{mod}[4,\,1]),\ 4\times 6-\text{Log}[4,\,1],\ 4\times 6-\text{mod}[4,\,1],$$

$$\frac{6}{\text{mod}[1,\,4]}4,\ \frac{6}{1^4}4,\ \frac{6}{\text{root}[1,\,4]}4,\ (6\,\text{mod}[1,\,4])\,4,\ \left(6\times 1^4\right)4,\ 6^{\text{mod}[1,4]}\,4,\ 6^{1^4}\,4,\ 6^{\text{root}[1,4]}\,4,$$

$$(6\,\text{root}[1,\,4])\,4,\ \text{root}[6,\,\text{mod}[1,\,4]]\,4,\ \text{root}\left[6,\,1^4\right]4,\ \text{root}[6,\,\text{root}[1,\,4]]\,4,$$

$$6\ (\text{mod}[1,\ 4]\ 4),\ 6\ \left(1^4\ 4\right),\ 6\ (\text{root}[1,\ 4]\ 4),\ (6-1)\ 4+4,\ \frac{6}{\frac{\text{mod}[1,4]}{4}},\ \frac{6}{\frac{1^4}{4}},\ \frac{6}{\frac{\text{root}[1,4]}{4}},$$

$$(6+1)\ 4-4,\ (6+\text{Log}[4,\ 1])\ 4,\ (6+\text{mod}[4,\ 1])\ 4,\ (6-\text{Log}[4,\ 1])\ 4,\ (6-\text{mod}[4,\ 1])\ 4,$$

$$6\ (\text{Log}[4,\ 1]+4),\ 6\ (\text{mod}[4,\ 1]+4),\ 6\ \frac{4}{\text{mod}[1,\ 4]},\ 6\ \frac{4}{1^4},\ 6\ \frac{4}{\text{root}[1,\ 4]},\ \frac{6\times 4}{\text{mod}[1,\ 4]},$$

$$\frac{6\times 4}{1^4},\ \frac{6\times 4}{\text{root}[1,\ 4]},\ (6\times 4)\ \text{mod}[1,\ 4],\ 6\ (4\ \text{mod}[1,\ 4]),\ 6\ \text{mod}[4,\ 1+4],\ (6\times 4)\ 1^4,$$

$$6\ \left(4\times 1^4\right),\ 6\times 4^{\text{mod}[1,4]},\ 6\times 4^{1^4},\ 6\times 4^{\text{root}[1,4]},\ (6\times 4)^{\text{mod}[1,4]},\ (6\times 4)^{1^4},\ (6\times 4)^{\text{root}[1,4]},$$

$$(6\times 4)\ \text{root}[1,\ 4],\ 6\ (4\ \text{root}[1,\ 4]),\ 6\ \text{root}[4,\ \text{mod}[1,\ 4]],\ 6\ \text{root}\left[4,\ 1^4\right],$$

$$6\ \text{root}[4,\ \text{root}[1,\ 4]],\ \text{root}[6\times 4,\ \text{mod}[1,\ 4]],\ \text{root}\left[6\times 4,\ 1^4\right],\ \text{root}[6\times 4,\ \text{root}[1,\ 4]],$$

$$6\ (4+\text{Log}[4,\ 1]),\ 6\times 4+\text{Log}[4,\ 1],\ 6\ (4+\text{mod}[4,\ 1]),\ 6\times 4+\text{mod}[4,\ 1],\ 6\ \text{mod}[4,\ 4+1],$$

$$6\ (4-\text{Log}[4,\ 1]),\ 6\ (4-\text{mod}[4,\ 1]),\ 6\times 4-\text{Log}[4,\ 1],\ 6\times 4-\text{mod}[4,\ 1]\Big\}\Big\},$$

$$\Big\{\{1,\ 4,\ 4,\ 7\},\ \Big\{(1+4\times 4)+7,\ 1+(4\times 4+7),\ 1\ (4\times 7-4),\ 4\times 7-4,\ 4\times 7-4,\ (1+7)+4\times 4,$$

$$1+(7+4\times 4),\ 1\ (7\times 4-4),\ 7\times 4-4,\ 7\times 4-4,\ 4\times 7-4,\ \frac{4}{1}\ 7-4,\ 4^1\ 7-4,\ \text{root}[4,\ 1]\ 7-4,$$

$$4\times 7-4,\ \frac{4}{\frac{1}{7}}-4,\ (4\times 4+1)+7,\ 4\times 4+(1+7),\ (4\times 4+7)+1,\ 4\times 4+(7+1),\ 4\ (7-\text{mod}[1,\ 4]),$$

$$4\ \left(7-1^4\right),\ 4\ (7-\text{root}[1,\ 4]),\ 4\times 7-4,\ 4\times 7-1\times 4,\ 4\times 7-4,\ 4\times\frac{7}{1}-4,\ \frac{4\times 7}{1}-4,\ 4\times 7^1-4,$$

$$(4\times 7)^1-4,\ 4\ \text{root}[7,\ 1]-4,\ \text{root}[4\times 7,\ 1]-4,\ (4\times 7-4)\ 1,\ \frac{4\times 7-4}{1},\ (4\times 7-4)^1,$$

$$\text{root}[4\times 7-4,\ 1],\ 4\times 7-4\times 1,\ 4\times 7-\frac{4}{1},\ 4\times 7-4^1,\ 4\times 7-\text{root}[4,\ 1],\ (7-\text{mod}[1,\ 4])\ 4,$$

$$\left(7-1^4\right)\ 4,\ (7-\text{root}[1,\ 4])\ 4,\ (7+1)+4\times 4,\ 7+(1+4\times 4),\ 7\times 4-4,\ \frac{7}{1}\ 4-4,\ 7^1\ 4-4,$$

$$\text{root}[7,\ 1]\ 4-4,\ 7\times 4-4,\ \frac{7}{\frac{1}{4}}-4,\ 7\times 4-4,\ 7\times 4-1\times 4,\ 7\times 4-4,\ 7\times\frac{4}{1}-4,\ \frac{7\times 4}{1}-4,\ 7\times 4^1-4,$$

$$(7\times 4)^1-4,\ 7\ \text{root}[4,\ 1]-4,\ \text{root}[7\times 4,\ 1]-4,\ (7\times 4-4)\ 1,\ (7+4\times 4)+1,\ 7+(4\times 4+1),$$

$$\frac{7\times 4-4}{1},\ (7\times 4-4)^1,\ \text{root}[7\times 4-4,\ 1],\ 7\times 4-4\times 1,\ 7\times 4-\frac{4}{1},\ 7\times 4-4^1,\ 7\times 4-\text{root}[4,\ 1]\Big\}\Big\},$$

$$\Big\{\{1,\ 4,\ 4,\ 8\},\ \Big\{1\ (4\times 4+8),\ 4\times 4+8,\ 4\times 4+8,\ 1\ (8+4\times 4),\ 1\times 8+4\times 4,\ \text{mod}[4-1,\ 4]\ 8,$$

$$(4-\text{mod}[1,\ 4])\ 8,\ \left(4-1^4\right)\ 8,\ (4-\text{root}[1,\ 4])\ 8,\ 4\times 4+8,\ \frac{4}{1}\ 4+8,\ 4^1\ 4+8,\ \text{root}[4,\ 1]\ 4+8,$$

$$4\times 4+8,\ \frac{4}{\frac{1}{4}}+8,\ 4\times 4+8,\ 4\times 4+8,\ 4\times\frac{4}{1}+8,\ \frac{4\times 4}{1}+8,\ 4\times 4^1+8,\ (4\times 4)^1+8,\ 4\ \text{root}[4,\ 1]+8,$$

$$\text{root}[4\times 4,\ 1]+8,\ 4\times 4+1\times 8,\ (4\times 4+8)\ 1,\ 4\times 4+8\times 1,\ 4\times 4+\frac{8}{1},\ \frac{4\times 4+8}{1},\ 4\times 4+8^1,$$

$$(4\times 4+8)^1,\ 4\times 4+\text{root}[8,\ 1],\ \text{root}[4\times 4+8,\ 1],\ 4\ (8-1)-4,\ 8\times 1+4\times 4,\ \frac{8}{1}+4\times 4,$$

$$8^1+4\times 4,\ \text{root}[8,\ 1]+4\times 4,\ 8+4\times 4,\ 8+4\times 4,\ (8-1)\ 4-4,\ 8+4\times 4,\ 8+\frac{4}{1}\ 4,\ 8+4^1\ 4,$$

$$8+\text{root}[4,\ 1]\ 4,\ 8+4\times 4,\ 8+\frac{4}{\frac{1}{4}},\ 8\ \text{mod}[4-1,\ 4],\ 8\ (4-\text{mod}[1,\ 4]),\ 8\ \left(4-1^4\right),$$

$$8\,(4-\text{root}[1,4]),\ (8+4\times4)\,1,\ 8+4\times4,\ 8+4\times4,\ 8+4\times\frac{4}{1},\ 8+\frac{4\times4}{1},\ \frac{8+4\times4}{1},\ 8+4\times4^{1},$$

$$8+(4\times4)^{1},\ (8+4\times4)^{1},\ 8+4\,\text{root}[4,1],\ 8+\text{root}[4\times4,1],\ \text{root}[8+4\times4,1]\Big\}\Big\},$$

$$\{\{1,4,4,9\},\{((1-4)+9)\,4,\ (1-(4-9))\,4,\ (1+(9-4))\,4,\ ((1+9)-4)\,4,$$
$$4\,((1-4)+9),\ 4\,(1-(4-9)),\ 4\,(1+(9-4)),\ 4\,((1+9)-4),\ (4\times4-1)+9,$$
$$4\times4-(1-9),\ 4\times4+(9-1),\ (4\times4+9)-1,\ 4\,(9+(1-4)),\ 4\,((9+1)-4),$$
$$4\,((9-4)+1),\ 4\,(9-(4-1)),\ (9+(1-4))\,4,\ ((9+1)-4)\,4,\ (9-1)+4\times4,$$
$$9-(1-4\times4),\ ((9-4)+1)\,4,\ (9-(4-1))\,4,\ 9+(4\times4-1),\ (9+4\times4)-1\}\},$$

$$\Big\{\{1,4,4,10\},\Big\{4\,(10-4),\ 4\,(10-4),\ (10-4)\,4,\ (1\times10-4)\,4,\ (10-4)\,4,\ \frac{4}{\frac{1}{10-4}},\ 4\,(10-4),$$

$$\frac{4}{1}\,(10-4),\ 4^{1}\,(10-4),\ \text{root}[4,1]\,(10-4),\ 4\,(10-4),\ 4\,(1\times10-4),\ 4\,(10-1\times4),$$

$$4\,(10\times1-4),\ 4\left(\frac{10}{1}-4\right),\ 4\left(10^{1}-4\right),\ 4\,(\text{root}[10,1]-4),\ 4\,(10-4),\ 4\,(10-4),\ 4\,\frac{10-4}{1},$$

$$\frac{4\,(10-4)}{1},\ 4\,(10-4)^{1},\ (4\,(10-4))^{1},\ 4\,\text{root}[10-4,1],\ \text{root}[4\,(10-4),1],\ 4\,(10-4\times1),$$

$$4\left(10-\frac{4}{1}\right),\ 4\left(10-4^{1}\right),\ 4\,(10-\text{root}[4,1]),\ (10-1\times4)\,4,\ (10\times1-4)\,4,\ \left(\frac{10}{1}-4\right)4,\ \left(10^{1}-4\right)4,$$

$$(\text{root}[10,1]-4)\,4,\ (10-4)\,4,\ \frac{10-4}{1}\,4,\ (10-4)^{1}\,4,\ \text{root}[10-4,1]\,4,\ (10-4\times1)\,4,$$

$$\left(10-\frac{4}{1}\right)4,\ \left(10-4^{1}\right)4,\ (10-\text{root}[4,1])\,4,\ (10-4)\,4,\ \frac{10-4}{\frac{1}{4}},\ (10-4)\,4,\ (10-4)\,4,$$

$$(10-4)\,\frac{4}{1},\ \frac{(10-4)\,4}{1},\ (10-4)\,4^{1},\ ((10-4)\,4)^{1},\ (10-4)\,\text{root}[4,1],\ \text{root}[(10-4)\,4,1]\Big\}\Big\},$$

$$\Big\{\{1,4,5,5\},\Big\{(1+5)\bmod[4,5],\ (\text{mod}[1,5]+5)\,4,\ \left(1^{5}+5\right)4,\ (\text{root}[1,5]+5)\,4,$$
$$4\,(\text{mod}[1,5]+5),\ 4\left(1^{5}+5\right),\ 4\,(\text{root}[1,5]+5),\ 4-(1-5)\,5,\ \text{mod}[4,5]\,(1+5),$$
$$(4\times5-1)+5,\ 4+(5-1)\,5,\ 4\,(5+\text{mod}[1,5]),\ 4\left(5+1^{5}\right),\ 4\,(5+\text{root}[1,5]),$$
$$4-5\,(1-5),\ 4\times5-(1-5),\ \text{mod}[4,5]\,(5+1),\ 4\times5+(5-1),\ 4+5\,(5-1),$$
$$(4\times5+5)-1,\ (5-1)+4\times5,\ (5+1)\bmod[4,5],\ 5-(1-4\times5),\ (5+\text{mod}[1,5])\,4,$$
$$\left(5+1^{5}\right)4,\ (5+\text{root}[1,5])\,4,\ (5-1)\,5+4,\ (5-1)+5\times4,\ 5-(1-5\times4),\ (5\times4-1)+5,$$
$$5\times4-(1-5),\ 5\times4+(5-1),\ 5+(4\times5-1),\ (5\times4+5)-1,\ (5+4\times5)-1,\ 5\,(5-1)+4,$$
$$5\times5-\text{mod}[1,4],\ 5\times5-1^{4},\ 5\times5-\text{root}[1,4],\ 5+(5\times4-1),\ (5+5\times4)-1\Big\}\Big\},$$

$$\Big\{\{1,4,5,6\},\Big\{\text{mod}[4,5]\,6,\ \text{mod}[1\times4,5]\,6,\ \text{mod}[4,5]\,6,\ (\text{mod}[1,5]\,4)\,6,\ \left(1^{5}\,4\right)6,$$
$$(\text{root}[1,5]\,4)\,6,\ \text{mod}[1,5]\,(4\times6),\ 1^{5}\,(4\times6),\ \text{root}[1,5]\,(4\times6),\ (1+5)\bmod[4,6],$$
$$(\text{mod}[1,5]\,6)\,4,\ \left(1^{5}\,6\right)4,\ (\text{root}[1,5]\,6)\,4,\ (1+\text{mod}[5,6])\,4,\ \text{mod}[1,5]\,(6\times4),$$
$$1^{5}\,(6\times4),\ \text{root}[1,5]\,(6\times4),\ 6\,\text{mod}[4,5],\ 6\,\text{mod}[4,5],\ (\text{mod}[1,6]+5)\,4,\ \left(1^{6}+5\right)4,$$
$$(\text{root}[1,6]+5)\,4,\ \frac{4}{\text{mod}[1,5]}\,6,\ \frac{4}{1^{5}}\,6,\ \frac{4}{\text{root}[1,5]}\,6,\ (4\,\text{mod}[1,5])\,6,\ \text{mod}[4,1\times5]\,6,$$
$$\text{mod}[4,1+5]\,6,\ \text{mod}[4\times1,5]\,6,\ \text{mod}\left[\frac{4}{1},5\right]6,\ \text{mod}\left[4^{1},5\right]6,\ \text{mod}[\text{root}[4,1],5]\,6,\ \left(4\times1^{5}\right)6,$$
$$4^{\text{mod}[1,5]}\,6,\ 4^{1^{5}}\,6,\ 4^{\text{root}[1,5]}\,6,\ (4\,\text{root}[1,5])\,6,\ \text{root}[4,\text{mod}[1,5]]\,6,\ \text{root}\left[4,1^{5}\right]6,$$
$$\text{root}[4,\text{root}[1,5]]\,6,\ 4\,(\text{mod}[1,5]\,6),\ 4\left(1^{5}\,6\right),\ 4\,(\text{root}[1,5]\,6),\ \frac{4}{\frac{\text{mod}[1,5]}{6}},\ \frac{4}{\frac{1^{5}}{6}},$$
$$\frac{4}{\frac{\text{root}[1,5]}{6}},\ \frac{4}{1-\frac{5}{6}},\ 4\,(1+\text{mod}[5,6]),\ 4\,(\text{mod}[1,6]+5),\ 4\left(1^{6}+5\right),\ 4\,(\text{root}[1,6]+5),$$

$$\mathrm{mod}[4,5]\,6,\ \frac{\mathrm{mod}[4,5]}{1}\,6,\ (4+\mathrm{Log}[5,1])\,6,\ \mathrm{mod}[4,5\times 1]\,6,\ \mathrm{mod}[4,5+1]\,6,$$

$$\mathrm{mod}\left[4,\frac{5}{1}\right]\,6,\ \mathrm{mod}\left[4,5^1\right]\,6,\ \mathrm{mod}[4,\mathrm{root}[5,1]]\,6,\ (4+\mathrm{mod}[5,1])\,6,\ \mathrm{mod}[4,5]^1\,6,$$

$$\mathrm{root}[\mathrm{mod}[4,5],1]\,6,\ (4-\mathrm{Log}[5,1])\,6,\ (4-\mathrm{mod}[5,1])\,6,\ \mathrm{mod}[4,5]\,6,\ 4\,(\mathrm{Log}[5,1]+6),$$

$$4\,(\mathrm{mod}[5,1]+6),\ \frac{\mathrm{mod}[4,5]}{\frac{1}{6}},\ 4\,(5+\mathrm{mod}[1,6]),\ 4\left(5+1^6\right),\ 4\,(5+\mathrm{root}[1,6]),$$

$$\mathrm{mod}[4,5]\,6,\ \mathrm{mod}[4,5]\,6,\ 4\,(\mathrm{mod}[5,6]+1),\ \mathrm{mod}[4,5]\,\frac{6}{1},\ \frac{\mathrm{mod}[4,5]\,6}{1},\ \mathrm{mod}[4,5]\,6^1,$$

$$(\mathrm{mod}[4,5]\,6)^1,\ \mathrm{mod}[4,5]\,\mathrm{root}[6,1],\ \mathrm{root}[\mathrm{mod}[4,5]\,6,1],\ \mathrm{mod}[4,6]\,(1+5),$$

$$4\,\frac{6}{\mathrm{mod}[1,5]},\ 4\,\frac{6}{1^5},\ 4\,\frac{6}{\mathrm{root}[1,5]},\ \frac{4\times 6}{\mathrm{mod}[1,5]},\ \frac{4\times 6}{1^5},\ \frac{4\times 6}{\mathrm{root}[1,5]},\ (4\times 6)\,\mathrm{mod}[1,5],$$

$$4\,(6\,\mathrm{mod}[1,5]),\ (4\times 6)\,1^5,\ 4\left(6\times 1^5\right),\ 4\times 6^{\mathrm{mod}[1,5]},\ 4\times 6^{1^5},\ 4\times 6^{\mathrm{root}[1,5]},\ (4\times 6)^{\mathrm{mod}[1,5]},$$

$$(4\times 6)^{1^5},\ (4\times 6)^{\mathrm{root}[1,5]},\ (4\times 6)\,\mathrm{root}[1,5],\ 4\,(6\,\mathrm{root}[1,5]),\ 4\,\mathrm{root}[6,\mathrm{mod}[1,5]],$$

$$4\,\mathrm{root}\left[6,1^5\right],\ 4\,\mathrm{root}[6,\mathrm{root}[1,5]],\ \mathrm{root}[4\times 6,\mathrm{mod}[1,5]],\ \mathrm{root}\left[4\times 6,1^5\right],$$

$$\mathrm{root}[4\times 6,\mathrm{root}[1,5]],\ \mathrm{mod}[4,6]\,(5+1),\ 4\,(6+\mathrm{Log}[5,1]),\ 4\times 6+\mathrm{Log}[5,1],$$

$$4\,(6+\mathrm{mod}[5,1]),\ 4\times 6+\mathrm{mod}[5,1],\ 4\,(6-\mathrm{Log}[5,1]),\ 4\,(6-\mathrm{mod}[5,1]),\ 4\times 6-\mathrm{Log}[5,1],$$

$$4\times 6-\mathrm{mod}[5,1],\ (\mathrm{Log}[5,1]+4)\,6,\ (\mathrm{mod}[5,1]+4)\,6,\ (5-\mathrm{mod}[1,4])\,6,\ \left(5-1^4\right)\,6,$$

$$(5-\mathrm{root}[1,4])\,6,\ \mathrm{Log}[5,1]+4\times 6,\ \mathrm{mod}[5,1]+4\times 6,\ (5+1)\,\mathrm{mod}[4,6],\ (\mathrm{Log}[5,1]+6)\,4,$$

$$(\mathrm{mod}[5,1]+6)\,4,\ (5+\mathrm{mod}[1,6])\,4,\ \left(5+1^6\right)\,4,\ (5+\mathrm{root}[1,6])\,4,\ \mathrm{Log}[5,1]+6\times 4,$$

$$\mathrm{mod}[5,1]+6\times 4,\ (\mathrm{mod}[5,6]+1)\,4,\ 5^{\mathrm{mod}[6,4]}-1,\ 5^{6-4}-1,\ \frac{6}{\frac{1}{\mathrm{mod}[4,5]}},\ 6\,\mathrm{mod}[4,5],\ \frac{6}{1}\,\mathrm{mod}[4,5],$$

$$6^1\,\mathrm{mod}[4,5],\ \mathrm{root}[6,1]\,\mathrm{mod}[4,5],\ 6\,\mathrm{mod}[4,5],\ 6\,\mathrm{mod}[1\times 4,5],\ \frac{6}{\mathrm{mod}[1,5]}\,4,\ \frac{6}{1^5}\,4,$$

$$\frac{6}{\mathrm{root}[1,5]}\,4,\ (6\,\mathrm{mod}[1,5])\,4,\ \left(6\times 1^5\right)\,4,\ 6^{\mathrm{mod}[1,5]}\,4,\ 6^{1^5}\,4,\ 6^{\mathrm{root}[1,5]}\,4,\ (6\,\mathrm{root}[1,5])\,4,$$

$$\mathrm{root}[6,\mathrm{mod}[1,5]]\,4,\ \mathrm{root}\left[6,1^5\right]\,4,\ \mathrm{root}[6,\mathrm{root}[1,5]]\,4,\ 6\,(\mathrm{mod}[1,5]\,4),$$

$$6\left(1^5\,4\right),\ 6\,(\mathrm{root}[1,5]\,4),\ \frac{6}{\frac{\mathrm{mod}[1,5]}{4}},\ \frac{6}{\frac{1^5}{4}},\ \frac{6}{\frac{\mathrm{root}[1,5]}{4}},\ 6\,\frac{4}{\mathrm{mod}[1,5]},\ 6\,\frac{4}{1^5},\ 6\,\frac{4}{\mathrm{root}[1,5]},$$

$$\frac{6\times 4}{\mathrm{mod}[1,5]},\ \frac{6\times 4}{1^5},\ \frac{6\times 4}{\mathrm{root}[1,5]},\ (6\times 4)\,\mathrm{mod}[1,5],\ 6\,(4\,\mathrm{mod}[1,5]),\ 6\,\mathrm{mod}[4,1\times 5],$$

$$6\,\mathrm{mod}[4,1+5],\ 6\,\mathrm{mod}[4\times 1,5],\ 6\,\mathrm{mod}\left[\frac{4}{1},5\right],\ 6\,\mathrm{mod}\left[4^1,5\right],\ 6\,\mathrm{mod}[\mathrm{root}[4,1],5],$$

$$(6\times 4)\,1^5,\ 6\left(4\times 1^5\right),\ 6\times 4^{\mathrm{mod}[1,5]},\ 6\times 4^{1^5},\ 6\times 4^{\mathrm{root}[1,5]},\ (6\times 4)^{\mathrm{mod}[1,5]},\ (6\times 4)^{1^5},$$

$$(6\times 4)^{\mathrm{root}[1,5]},\ (6\times 4)\,\mathrm{root}[1,5],\ 6\,(4\,\mathrm{root}[1,5]),\ 6\,\mathrm{root}[4,\mathrm{mod}[1,5]],\ 6\,\mathrm{root}\left[4,1^5\right],$$

$$6\,\mathrm{root}[4,\mathrm{root}[1,5]],\ \mathrm{root}[6\times 4,\mathrm{mod}[1,5]],\ \mathrm{root}\left[6\times 4,1^5\right],\ \mathrm{root}[6\times 4,\mathrm{root}[1,5]],$$

$$6\,\mathrm{mod}[4,5],\ 6\,\mathrm{mod}[4,5],\ 6\,\frac{\mathrm{mod}[4,5]}{1},\ \frac{6\,\mathrm{mod}[4,5]}{1},\ 6\,(4+\mathrm{Log}[5,1]),\ 6\times 4+\mathrm{Log}[5,1],$$

$$6\,\mathrm{mod}[4,5\times 1],\ 6\,\mathrm{mod}[4,5+1],\ 6\,\mathrm{mod}\left[4,\frac{5}{1}\right],\ 6\,\mathrm{mod}\left[4,5^1\right],\ 6\,\mathrm{mod}[4,\mathrm{root}[5,1]],$$

$$6\,(4+\mathrm{mod}[5,1]),\ 6\times 4+\mathrm{mod}[5,1],\ 6\,\mathrm{mod}[4,5]^1,\ (6\,\mathrm{mod}[4,5])^1,\ 6\,\mathrm{root}[\mathrm{mod}[4,5],1],$$

$$\mathrm{root}[6\,\mathrm{mod}[4,5],1],\ 6\,(4-\mathrm{Log}[5,1]),\ 6\,(4-\mathrm{mod}[5,1]),\ 6\times 4-\mathrm{Log}[5,1],$$

$$6\times 4-\mathrm{mod}[5,1],\ (6+\mathrm{Log}[5,1])\,4,\ (6+\mathrm{mod}[5,1])\,4,\ (6-\mathrm{Log}[5,1])\,4,\ (6-\mathrm{mod}[5,1])\,4,$$

$$6\,(\mathrm{Log}[5,1]+4),\ 6\,(\mathrm{mod}[5,1]+4),\ 6\,(5-\mathrm{mod}[1,4]),\ 6\left(5-1^4\right),\ 6\,(5-\mathrm{root}[1,4]),\ \frac{6}{\frac{5}{4}-1}\Big\}\Big\},$$

$$\{\{1,4,5,7\},\{1+(4\times7-5),(1+4\times7)-5,(1-5)+4\times7,(1+5)\bmod[4,7],1-(5-4\times7),(1+\bmod[5,7])\,4,\bmod[1+5,7]\,4,(1-5)+7\times4,1-(5-7\times4),1+(7\times4-5),(1+7\times4)-5,(\bmod[1,7]+5)\,4,\left(1^7+5\right)4,(\mathrm{root}[1,7]+5)\,4,4\,(1+\bmod[5,7]),4\bmod[1+5,7],4\,(\bmod[1,7]+5),4\left(1^7+5\right),4\,(\mathrm{root}[1,7]+5),4\,(5+\bmod[1,7]),4\bmod[5+1,7],4\left(5+1^7\right),4\,(5+\mathrm{root}[1,7]),4\,(\bmod[5,7]+1),\bmod[4,5]\,(7-1),\bmod[4,7]\,(1+5),4\times7+(1-5),4\,(7-\bmod[1,5]),4\left(7-1^5\right),4\,(7-\mathrm{root}[1,5]),(4\times7+1)-5,\bmod[4,7]\,(5+1),(4\times7-5)+1,4\times7-(5-1),(5+1)\bmod[4,7],(5+\bmod[1,7])\,4,\bmod[5+1,7]\,4,\left(5+1^7\right)4,(5+\mathrm{root}[1,7])\,4,(5-1)\,7-4,(\bmod[5,7]+1)\,4,(7-1)\bmod[4,5],(7-\bmod[1,5])\,4,\left(7-1^5\right)4,(7-\mathrm{root}[1,5])\,4,7\times4+(1-5),(7\times4+1)-5,(7\times4-5)+1,7\times4-(5-1),7\,(5-1)-4\}\},$$

$$\{\{1,4,5,8\},\{(1+5)\bmod[4,8],(1+\bmod[5,8])\,4,\bmod[1+5,8]\,4,(1+5)\,(8-4),(\bmod[1,8]+5)\,4,\left(1^8+5\right)4,(\mathrm{root}[1,8]+5)\,4,\bmod[4-1,5]\,8,(4-\bmod[1,5])\,8,\left(4-1^5\right)8,(4-\mathrm{root}[1,5])\,8,4\,(1+\bmod[5,8]),4\bmod[1+5,8],4\,(\bmod[1,8]+5),4\left(1^8+5\right),4\,(\mathrm{root}[1,8]+5),(\bmod[4,5]-1)\,8,4\,(5-1)+8,4\,(5+\bmod[1,8]),4\bmod[5+1,8],4\left(5+1^8\right),4\,(5+\mathrm{root}[1,8]),4\,(\bmod[5,8]+1),\bmod[4,8]\,(1+5),\bmod[4,8]\,(5+1),(5-1)\,4+8,(5+1)\bmod[4,8],(5+\bmod[1,8])\,4,\bmod[5+1,8]\,4,\left(5+1^8\right)4,(5+\mathrm{root}[1,8])\,4,(5+1)\,(8-4),\mathrm{root}[5,4]^8-1,(\bmod[5,8]+1)\,4,5^{\frac{8}{4}}-1,\mathrm{root}\left[5^8,4\right]-1,8-(1-5)\,4,(8-4)\,(1+5),8\bmod[4-1,5],8\,(4-\bmod[1,5]),8\left(4-1^5\right),8\,(4-\mathrm{root}[1,5]),8-4\,(1-5),(8-4)\,(5+1),8+4\,(5-1),8\,(\bmod[4,5]-1),8+(5-1)\,4\}\},$$

$$\{\{1,4,5,9\},\{(1+5)\bmod[4,9],(1+\bmod[5,9])\,4,\bmod[1+5,9]\,4,(\bmod[1,9]+5)\,4,\left(1^9+5\right)4,(\mathrm{root}[1,9]+5)\,4,(4-1)\,5+9,4\,(1+\bmod[5,9]),4\bmod[1+5,9],4\,(\bmod[1,9]+5),4\left(1^9+5\right),4\,(\mathrm{root}[1,9]+5),4\,(5+\bmod[1,9]),4\bmod[5+1,9],4\left(5+1^9\right),4\,(5+\mathrm{root}[1,9]),4\,(\bmod[5,9]+1),\bmod[4,9]\,(1+5),\bmod[4,9]\,(5+1),(5+1)\bmod[4,9],(5+\bmod[1,9])\,4,\bmod[5+1,9]\,4,\left(5+1^9\right)4,(5+\mathrm{root}[1,9])\,4,5\,(4-1)+9,(\bmod[5,9]+1)\,4,5\,(9-4)-1,9-(1-4)\,5,9+(4-1)\,5,(9-4)\,5-1,9-5\,(1-4),9+5\,(4-1)\}\},$$

$$\{\{1,4,5,10\},\{(1+5)\bmod[4,10],(1-5)\,(4-10),((1-5)+10)\,4,(1+\bmod[5,10])\,4,\bmod[1+5,10]\,4,(1-(5-10))\,4,(\bmod[1,10]+5)\,4,\left(1^{10}+5\right)4,(\mathrm{root}[1,10]+5)\,4,(1+(10-5))\,4,((1+10)-5)\,4,4\,((1-5)+10),4\,(1+\bmod[5,10]),4\bmod[1+5,10],4\,(1-(5-10)),4\,(\bmod[1,10]+5),4\left(1^{10}+5\right),4\,(\mathrm{root}[1,10]+5),4\,(1+(10-5)),4\,((1+10)-5),4\,(5+\bmod[1,10]),4\bmod[5+1,10],4\left(5+1^{10}\right),4\,(5+\mathrm{root}[1,10]),4\,(\bmod[5,10]+1),\bmod[4,10]\,(1+5),(4-10)\,(1-5),4\,(10+(1-5)),4\,((10+1)-5),\bmod[4,10]\,(5+1),4\,((10-5)+1),4\,(10-(5-1)),(5+1)\bmod[4,10],(5+\bmod[1,10])\,4,\bmod[5+1,10]\,4,\left(5+1^{10}\right)4,(5+\mathrm{root}[1,10])\,4,(5-1)\,(10-4),(\bmod[5,10]+1)\,4,5^{\bmod[10,4]}-1,(10+(1-5))\,4,((10+1)-5)\,4,(10-4)\,(5-1),((10-5)+1)\,4,(10-(5-1))\,4\}\},$$

$$\{\{1,4,6,6\},\{\bmod[4,6]\,6,\bmod[1\times4,6]\,6,\bmod[4,6]\,6,(1+4)\,6-6,(\bmod[1,6]\,4)\,6,\left(1^6\,4\right)6,(\mathrm{root}[1,6]\,4)\,6,\bmod[1,6]\,(4\times6),1^6\,(4\times6),\mathrm{root}[1,6]\,(4\times6),6\bmod[4,6],6\bmod[4,6],(\bmod[1,6]\,6)\,4,\left(1^6\,6\right)4,(\mathrm{root}[1,6]\,6)\,4,\bmod[1,6]\,(6\times4),1^6\,(6\times4),\mathrm{root}[1,6]\,(6\times4),\frac{4}{\bmod[1,6]}\,6,\frac{4}{1^6}\,6,\frac{4}{\mathrm{root}[1,6]}\,6,(4\bmod[1,6])\,6,\bmod[4,1\times6]\,6,\bmod[4,1+6]\,6,\bmod[4\times1,6]\,6,\bmod\left[\frac{4}{1},6\right]6,\bmod\left[4^1,6\right]6,\bmod[\mathrm{root}[4,1],6]\,6,\left(4\times1^6\right)6,4^{\bmod[1,6]}\,6,4^{1^6}\,6,4^{\mathrm{root}[1,6]}\,6,(4\,\mathrm{root}[1,6])\,6,\mathrm{root}[4,\bmod[1,6]]\,6,\mathrm{root}\left[4,1^6\right]6,\mathrm{root}[4,\mathrm{root}[1,6]]\,6,4\,(\bmod[1,6]\,6),4\left(1^6\,6\right),4\,(\mathrm{root}[1,6]\,6),(4-1)\,6+6,\frac{4}{\frac{\bmod[1,6]}{6}},\frac{4}{\frac{1^6}{6}},\frac{4}{\frac{\mathrm{root}[1,6]}{6}},(4+1)\,6-6,\bmod[4,6]\,6,\frac{\bmod[4,6]}{1}\,6,(4+\mathrm{Log}[6,1])\,6,$$

$$\text{mod}[4,\ 6\times 1]\ 6,\ \text{mod}[4,\ 6+1]\ 6,\ \text{mod}\left[4,\ \frac{6}{1}\right]\ 6,\ \text{mod}\left[4,\ 6^1\right]\ 6,\ \text{mod}[4,\ \text{root}[6,\ 1]]\ 6,$$

$$\text{mod}[4,\ 6-1]\ 6,\ (4+\text{mod}[6,\ 1])\ 6,\ \text{mod}[4,\ 6]^1\ 6,\ \text{root}[\text{mod}[4,\ 6],\ 1]\ 6,\ (4-\text{Log}[6,\ 1])\ 6,$$

$$(4-\text{mod}[6,\ 1])\ 6,\ \text{mod}[4,\ 6]\ 6,\ 4\ (\text{Log}[6,\ 1]+6),\ 4\ (\text{mod}[6,\ 1]+6),\ 4\ \frac{6}{\text{mod}[1,\ 6]},$$

$$4\ \frac{6}{1^6},\ 4\ \frac{6}{\text{root}[1,\ 6]},\ \frac{4\times 6}{\text{mod}[1,\ 6]},\ \frac{4\times 6}{1^6},\ \frac{4\times 6}{\text{root}[1,\ 6]},\ \frac{\text{mod}[4,\ 6]}{\frac{1}{6}},\ (4\times 6)\ \text{mod}[1,\ 6],$$

$$4\ (6\ \text{mod}[1,\ 6]),\ 4\ \text{mod}[6,\ 1+6],\ (4\times 6)\ 1^6,\ 4\ \left(6\times 1^6\right),\ 4\times 6^{\text{mod}[1,6]},\ 4\times 6^{1^6},\ 4\times 6^{\text{root}[1,6]},$$

$$(4\times 6)^{\text{mod}[1,6]},\ (4\times 6)^{1^6},\ (4\times 6)^{\text{root}[1,6]},\ (4\times 6)\ \text{root}[1,\ 6],\ 4\ (6\ \text{root}[1,\ 6]),$$

$$4\ \text{root}[6,\ \text{mod}[1,\ 6]],\ 4\ \text{root}\left[6,\ 1^6\right],\ 4\ \text{root}[6,\ \text{root}[1,\ 6]],\ \text{root}[4\times 6,\ \text{mod}[1,\ 6]],$$

$$\text{root}\left[4\times 6,\ 1^6\right],\ \text{root}[4\times 6,\ \text{root}[1,\ 6]],\ \text{mod}[4,\ 6]\ 6,\ \text{mod}[4,\ 6]\ 6,\ \text{mod}[4,\ 6]\ \frac{6}{1},$$

$$\frac{\text{mod}[4,\ 6]\ 6}{1},\ 4\ (6+\text{Log}[6,\ 1]),\ 4\times 6+\text{Log}[6,\ 1],\ 4\ (6+\text{mod}[6,\ 1]),\ 4\times 6+\text{mod}[6,\ 1],$$

$$4\ \text{mod}[6,\ 6+1],\ \text{mod}[4,\ 6]\ 6^1,\ (\text{mod}[4,\ 6]\ 6)^1,\ \text{mod}[4,\ 6]\ \text{root}[6,\ 1],\ \text{root}[\text{mod}[4,\ 6]\ 6,\ 1],$$

$$4\ (6-\text{Log}[6,\ 1]),\ 4\ (6-\text{mod}[6,\ 1]),\ 4\times 6-\text{Log}[6,\ 1],\ 4\times 6-\text{mod}[6,\ 1],\ (\text{Log}[6,\ 1]+4)\ 6,$$

$$(\text{mod}[6,\ 1]+4)\ 6,\ \text{Log}[6,\ 1]+4\times 6,\ \text{mod}[6,\ 1]+4\times 6,\ \frac{6}{\frac{1}{\text{mod}[4,6]}},\ 6\ \text{mod}[4,\ 6],\ \frac{6}{1}\ \text{mod}[4,\ 6],$$

$$6^1\ \text{mod}[4,\ 6],\ \text{root}[6,\ 1]\ \text{mod}[4,\ 6],\ 6\ \text{mod}[4,\ 6],\ 6\ \text{mod}[1\times 4,\ 6],\ 6-(1-4)\ 6,$$

$$6\ (1+4)-6,\ (\text{Log}[6,\ 1]+6)\ 4,\ (\text{mod}[6,\ 1]+6)\ 4,\ \frac{6}{\text{mod}[1,\ 6]}\ 4,\ \frac{6}{1^6}\ 4,\ \frac{6}{\text{root}[1,\ 6]}\ 4,$$

$$(6\ \text{mod}[1,\ 6])\ 4,\ \text{mod}[6,\ 1+6]\ 4,\ \left(6\times 1^6\right)\ 4,\ 6^{\text{mod}[1,6]}\ 4,\ 6^{1^6}\ 4,\ 6^{\text{root}[1,6]}\ 4,\ (6\ \text{root}[1,\ 6])\ 4,$$

$$\text{root}[6,\ \text{mod}[1,\ 6]]\ 4,\ \text{root}\left[6,\ 1^6\right]\ 4,\ \text{root}[6,\ \text{root}[1,\ 6]]\ 4,\ 6\ (\text{mod}[1,\ 6]\ 4),\ 6\ \left(1^6\ 4\right),$$

$$6\ (\text{root}[1,\ 6]\ 4),\ \text{Log}[6,\ 1]+6\times 4,\ \text{mod}[6,\ 1]+6\times 4,\ \frac{6}{\frac{\text{mod}[1,6]}{4}},\ \frac{6}{\frac{1^6}{4}},\ \frac{6}{\frac{\text{root}[1,6]}{4}},\ 6^{1+\text{Log}[6,4]},$$

$$6\ (4-1)+6,\ 6+(4-1)\ 6,\ 6\ \frac{4}{\text{mod}[1,\ 6]},\ 6\ \frac{4}{1^6},\ 6\ \frac{4}{\text{root}[1,\ 6]},\ \frac{6\times 4}{\text{mod}[1,\ 6]},\ \frac{6\times 4}{1^6},\ \frac{6\times 4}{\text{root}[1,\ 6]},$$

$$(6\times 4)\ \text{mod}[1,\ 6],\ 6\ (4\ \text{mod}[1,\ 6]),\ 6\ \text{mod}[4,\ 1\times 6],\ 6\ \text{mod}[4,\ 1+6],\ 6\ \text{mod}[4\times 1,\ 6],$$

$$6\ \text{mod}\left[\frac{4}{1},\ 6\right],\ 6\ \text{mod}\left[4^1,\ 6\right],\ 6\ \text{mod}[\text{root}[4,\ 1],\ 6],\ (6\times 4)\ 1^6,\ 6\ \left(4\times 1^6\right),\ 6\times 4^{\text{mod}[1,6]},\ 6\times 4^{1^6},$$

$$6\times 4^{\text{root}[1,6]},\ (6\times 4)^{\text{mod}[1,6]},\ (6\times 4)^{1^6},\ (6\times 4)^{\text{root}[1,6]},\ (6\times 4)\ \text{root}[1,\ 6],\ 6\ (4\ \text{root}[1,\ 6]),$$

$$6\ \text{root}[4,\ \text{mod}[1,\ 6]],\ 6\ \text{root}\left[4,\ 1^6\right],\ 6\ \text{root}[4,\ \text{root}[1,\ 6]],\ \text{root}[6\times 4,\ \text{mod}[1,\ 6]],$$

$$\text{root}\left[6\times 4,\ 1^6\right],\ \text{root}[6\times 4,\ \text{root}[1,\ 6]],\ 6\ (4+1)-6,\ 6\ \text{mod}[4,\ 6],\ 6\ \text{mod}[4,\ 6],$$

$$6\ \frac{\text{mod}[4,\ 6]}{1},\ \frac{6\ \text{mod}[4,\ 6]}{1},\ 6\ (4+\text{Log}[6,\ 1]),\ 6\times 4+\text{Log}[6,\ 1],\ 6\ \text{mod}[4,\ 6\times 1],$$

$$6\ \text{mod}[4,\ 6+1],\ 6\ \text{mod}\left[4,\ \frac{6}{1}\right],\ 6\ \text{mod}\left[4,\ 6^1\right],\ 6\ \text{mod}[4,\ \text{root}[6,\ 1]],\ 6\ \text{mod}[4,\ 6-1],$$

$$6\ (4+\text{mod}[6,\ 1]),\ 6\times 4+\text{mod}[6,\ 1],\ 6\ \text{mod}[4,\ 6]^1,\ (6\ \text{mod}[4,\ 6])^1,\ 6\ \text{root}[\text{mod}[4,\ 6],\ 1],$$

$$\text{root}[6\ \text{mod}[4,\ 6],\ 1],\ 6\ (4-\text{Log}[6,\ 1]),\ 6\ (4-\text{mod}[6,\ 1]),\ 6\times 4-\text{Log}[6,\ 1],$$

$$6\times 4-\text{mod}[6,\ 1],\ (6+\text{Log}[6,\ 1])\ 4,\ (6+\text{mod}[6,\ 1])\ 4,\ \text{mod}[6,\ 6+1]\ 4,\ (6-\text{Log}[6,\ 1])\ 4,$$

$$(6-\text{mod}[6,\ 1])\ 4,\ 6\ (\text{Log}[6,\ 1]+4),\ 6\ (\text{mod}[6,\ 1]+4),\ 6-6\ (1-4),\ 6^{\text{Log}[6,4]+1},\ 6+6\ (4-1)\Big\}\Big\},$$

$$\Big\{\{1,\ 4,\ 6,\ 7\},\ \Big\{4\ \text{mod}[6,\ 7],\ 4\ \text{mod}[6,\ 7],\ ((1-4)+7)\ 6,\ \text{mod}[4,\ 7]\ 6,\ \text{mod}[1\times 4,\ 7]\ 6,$$

$$(1-(4-7))\ 6,\ \text{mod}[4,\ 7]\ 6,\ 6\ \text{mod}[4,\ 7],\ 6\ \text{mod}[4,\ 7],\ \text{mod}[6,\ 7]\ 4,\ \text{mod}[1\times 6,\ 7]\ 4,$$

$$\text{mod}[6,\ 7]\ 4,\ (\text{mod}[1,\ 7]\ 4)\ 6,\ \left(1^7\ 4\right)\ 6,\ (\text{root}[1,\ 7]\ 4)\ 6,\ (1+\text{mod}[7,\ 4])\ 6,\ (1+(7-4))\ 6,$$

$$((1+7)-4)\ 6,\ \text{mod}[1,\ 7]\ (4\times 6),\ 1^7\ (4\times 6),\ \text{root}[1,\ 7]\ (4\times 6),\ (\text{mod}[1,\ 7]\ 6)\ 4,$$

$$\left(1^7\ 6\right)\ 4,\ (\text{root}[1,\ 7]\ 6)\ 4,\ \text{mod}[1,\ 7]\ (6\times 4),\ 1^7\ (6\times 4),\ \text{root}[1,\ 7]\ (6\times 4),\ \frac{4}{\frac{1}{\text{mod}[6,7]}},$$

$$4\ \text{mod}[6,\ 7],\ \frac{4}{1}\ \text{mod}[6,\ 7],\ 4^1\ \text{mod}[6,\ 7],\ \text{root}[4,\ 1]\ \text{mod}[6,\ 7],\ 4\ \text{mod}[6,\ 7],$$

$$4\ \text{mod}[1\times 6,\ 7],\ \frac{4}{\text{mod}[1,\ 7]}\ 6,\ \frac{4}{1^7}\ 6,\ \frac{4}{\text{root}[1,\ 7]}\ 6,\ (4\ \text{mod}[1,\ 7])\ 6,\ \text{mod}[4,\ 1\times 7]\ 6,$$

$$\text{mod}[4,\ 1+7]\ 6,\ \text{mod}[4\times 1,\ 7]\ 6,\ \text{mod}\left[\frac{4}{1},\ 7\right]\ 6,\ \text{mod}\left[4^1,\ 7\right]\ 6,\ \text{mod}[\text{root}[4,\ 1],\ 7]\ 6,$$

$$\left(4\times 1^7\right)\ 6,\ 4^{\text{mod}[1,7]}\ 6,\ 4^{1^7}\ 6,\ 4^{\text{root}[1,7]}\ 6,\ (4\ \text{root}[1,\ 7])\ 6,\ \text{root}[4,\ \text{mod}[1,\ 7]]\ 6,$$

$$\text{root}\left[4,\ 1^7\right]\ 6,\ \text{root}[4,\ \text{root}[1,\ 7]]\ 6,\ 4\ (\text{mod}[1,\ 7]\ 6),\ 4\ \left(1^7\ 6\right),\ 4\ (\text{root}[1,\ 7]\ 6),$$

$$\frac{4}{\frac{\text{mod}[1,7]}{6}},\ \frac{4}{\frac{1^7}{6}},\ \frac{4}{\frac{\text{root}[1,7]}{6}},\ 4\ \frac{6}{\text{mod}[1,\ 7]},\ 4\ \frac{6}{1^7},\ 4\ \frac{6}{\text{root}[1,\ 7]},\ \frac{4\times 6}{\text{mod}[1,\ 7]},\ \frac{4\times 6}{1^7},\ \frac{4\times 6}{\text{root}[1,\ 7]},$$

$$(4\times 6)\ \text{mod}[1,\ 7],\ 4\ (6\ \text{mod}[1,\ 7]),\ 4\ \text{mod}[6,\ 1\times 7],\ 4\ \text{mod}[6,\ 1+7],\ 4\ \text{mod}[6\times 1,\ 7],$$

$$4\ \text{mod}\left[\frac{6}{1},\ 7\right],\ 4\ \text{mod}\left[6^1,\ 7\right],\ 4\ \text{mod}[\text{root}[6,\ 1],\ 7],\ (4\times 6)\ 1^7,\ 4\ \left(6\times 1^7\right),\ 4\times 6^{\text{mod}[1,7]},\ 4\times 6^{1^7},$$

$$4\times 6^{\text{root}[1,7]},\ (4\times 6)^{\text{mod}[1,7]},\ (4\times 6)^{1^7},\ (4\times 6)^{\text{root}[1,7]},\ (4\times 6)\ \text{root}[1,\ 7],\ 4\ (6\ \text{root}[1,\ 7]),$$

$$4\ \text{root}[6,\ \text{mod}[1,\ 7]],\ 4\ \text{root}\left[6,\ 1^7\right],\ 4\ \text{root}[6,\ \text{root}[1,\ 7]],\ \text{root}[4\times 6,\ \text{mod}[1,\ 7]],$$

$$\text{root}\left[4\times 6,\ 1^7\right],\ \text{root}[4\times 6,\ \text{root}[1,\ 7]],\ 4\ \text{mod}[6,\ 7],\ 4\ \text{mod}[6,\ 7],\ 4\ \frac{\text{mod}[6,\ 7]}{1},$$

$$\frac{4\ \text{mod}[6,\ 7]}{1},\ 4\ (6+\text{Log}[7,\ 1]),\ 4\times 6+\text{Log}[7,\ 1],\ 4\ \text{mod}[6,\ 7\times 1],\ 4\ \text{mod}[6,\ 7+1],$$

$$4\ \text{mod}\left[6,\ \frac{7}{1}\right],\ 4\ \text{mod}\left[6,\ 7^1\right],\ 4\ \text{mod}[6,\ \text{root}[7,\ 1]],\ 4\ (6+\text{mod}[7,\ 1]),\ 4\times 6+\text{mod}[7,\ 1],$$

$$4\ \text{mod}[6,\ 7]^1,\ (4\ \text{mod}[6,\ 7])^1,\ 4\ \text{root}[\text{mod}[6,\ 7],\ 1],\ \text{root}[4\ \text{mod}[6,\ 7],\ 1],\ 4\ (6-\text{Log}[7,\ 1]),$$

$$4\ (6-\text{mod}[7,\ 1]),\ \text{mod}[4,\ 6]\ (7-1),\ 4\times 6-\text{Log}[7,\ 1],\ 4\times 6-\text{mod}[7,\ 1],\ \text{mod}[4,\ 7]\ 6,$$

$$\frac{\text{mod}[4,\ 7]}{1}\ 6,\ (4+\text{Log}[7,\ 1])\ 6,\ \text{mod}[4,\ 7\times 1]\ 6,\ \text{mod}[4,\ 7+1]\ 6,\ \text{mod}\left[4,\ \frac{7}{1}\right]\ 6,$$

$$\text{mod}\left[4,\ 7^1\right]\ 6,\ \text{mod}[4,\ \text{root}[7,\ 1]]\ 6,\ \text{mod}[4,\ 7-1]\ 6,\ (4+\text{mod}[7,\ 1])\ 6,\ \text{mod}[4,\ 7]^1\ 6,$$

$$\text{root}[\text{mod}[4,\ 7],\ 1]\ 6,\ (4-\text{Log}[7,\ 1])\ 6,\ (4-\text{mod}[7,\ 1])\ 6,\ \text{mod}[4,\ 7]\ 6,\ 4\ (\text{Log}[7,\ 1]+6),$$

$$4\ (\text{mod}[7,\ 1]+6),\ \frac{\text{mod}[4,\ 7]}{\frac{1}{6}},\ 4\ (7-\text{mod}[1,\ 6]),\ 4\ \left(7-1^6\right),\ 4\ (7-\text{root}[1,\ 6]),$$

$$\text{mod}[4,\ 7]\ 6,\ \text{mod}[4,\ 7]\ 6,\ \frac{4}{\frac{7}{6}-1},\ \text{mod}[4,\ 7]\ \frac{6}{1},\ \frac{\text{mod}[4,\ 7]\ 6}{1},\ \text{mod}[4,\ 7]\ 6^1,\ (\text{mod}[4,\ 7]\ 6)^1,$$

$$\text{mod}[4,\ 7]\ \text{root}[6,\ 1],\ \text{root}[\text{mod}[4,\ 7]\ 6,\ 1],\ 6\ ((1-4)+7),\ \frac{6}{\frac{1}{\text{mod}[4,7]}},\ 6\ \text{mod}[4,\ 7],$$

$$\frac{6}{1}\ \text{mod}[4,\ 7],\ 6^1\ \text{mod}[4,\ 7],\ \text{root}[6,\ 1]\ \text{mod}[4,\ 7],\ 6\ \text{mod}[4,\ 7],\ 6\ \text{mod}[1\times 4,\ 7],$$

$$6\ (1-(4-7)),\ \frac{6}{\text{mod}[1,\ 7]}\ 4,\ \frac{6}{1^7}\ 4,\ \frac{6}{\text{root}[1,\ 7]}\ 4,\ (6\ \text{mod}[1,\ 7])\ 4,\ \text{mod}[6,\ 1\times 7]\ 4,$$

$$\text{mod}[6,\ 1+7]\ 4,\ \text{mod}[6\times 1,\ 7]\ 4,\ \text{mod}\left[\frac{6}{1},\ 7\right]\ 4,\ \text{mod}\left[6^1,\ 7\right]\ 4,\ \text{mod}[\text{root}[6,\ 1],\ 7]\ 4,\ \left(6\times 1^7\right)\ 4,$$

$$6^{\text{mod}[1,7]}\ 4,\ 6^{1^7}\ 4,\ 6^{\text{root}[1,7]}\ 4,\ (6\ \text{root}[1,\ 7])\ 4,\ \text{root}[6,\ \text{mod}[1,\ 7]]\ 4,\ \text{root}\left[6,\ 1^7\right]\ 4,$$

$$\text{root}[6, \text{root}[1, 7]]\ 4,\ 6\ (\text{mod}[1, 7]\ 4),\ 6\ \left(1^{7}\ 4\right),\ 6\ (\text{root}[1, 7]\ 4),\ \frac{6}{\frac{\text{mod}[1,7]}{4}},\ \frac{6}{\frac{1^{7}}{4}},\ \frac{6}{\frac{\text{root}[1,7]}{4}},$$

$$6\ (1 + \text{mod}[7, 4]),\ 6\ (1 + (7 - 4)),\ 6\ ((1 + 7) - 4),\ 6\ \frac{4}{\text{mod}[1, 7]},\ 6\ \frac{4}{1^{7}},\ 6\ \frac{4}{\text{root}[1, 7]},$$

$$\frac{6 \times 4}{\text{mod}[1, 7]},\ \frac{6 \times 4}{1^{7}},\ \frac{6 \times 4}{\text{root}[1, 7]},\ (6 \times 4)\ \text{mod}[1, 7],\ 6\ (4\ \text{mod}[1, 7]),\ 6\ \text{mod}[4, 1 \times 7],$$

$$6\ \text{mod}[4, 1 + 7],\ 6\ \text{mod}[4 \times 1, 7],\ 6\ \text{mod}\left[\frac{4}{1}, 7\right],\ 6\ \text{mod}\left[4^{1}, 7\right],\ 6\ \text{mod}[\text{root}[4, 1], 7],$$

$$(6 \times 4)\ 1^{7},\ 6\ \left(4 \times 1^{7}\right),\ 6 \times 4^{\text{mod}[1,7]},\ 6 \times 4^{1^{7}},\ 6 \times 4^{\text{root}[1,7]},\ (6 \times 4)^{\text{mod}[1,7]},\ (6 \times 4)^{1^{7}},$$

$$(6 \times 4)^{\text{root}[1,7]},\ (6 \times 4)\ \text{root}[1, 7],\ 6\ (4\ \text{root}[1, 7]),\ 6\ \text{root}[4, \text{mod}[1, 7]],\ 6\ \text{root}\left[4, 1^{7}\right],$$

$$6\ \text{root}[4, \text{root}[1, 7]],\ \text{root}[6 \times 4, \text{mod}[1, 7]],\ \text{root}\left[6 \times 4, 1^{7}\right],\ \text{root}[6 \times 4, \text{root}[1, 7]],$$

$$6\ \text{mod}[4, 7],\ 6\ \text{mod}[4, 7],\ 6\ \frac{\text{mod}[4, 7]}{1},\ \frac{6\ \text{mod}[4, 7]}{1},\ 6\ (4 + \text{Log}[7, 1]),\ 6 \times 4 + \text{Log}[7, 1],$$

$$6\ \text{mod}[4, 7 \times 1],\ 6\ \text{mod}[4, 7 + 1],\ 6\ \text{mod}\left[4, \frac{7}{1}\right],\ 6\ \text{mod}\left[4, 7^{1}\right],\ 6\ \text{mod}[4, \text{root}[7, 1]],$$

$$6\ \text{mod}[4, 7 - 1],\ 6\ (4 + \text{mod}[7, 1]),\ 6 \times 4 + \text{mod}[7, 1],\ 6\ \text{mod}[4, 7]^{1},\ (6\ \text{mod}[4, 7])^{1},$$

$$6\ \text{root}[\text{mod}[4, 7], 1],\ \text{root}[6\ \text{mod}[4, 7], 1],\ 6\ (4 - \text{Log}[7, 1]),\ 6\ (4 - \text{mod}[7, 1]),$$

$$6 \times 4 - \text{Log}[7, 1],\ 6 \times 4 - \text{mod}[7, 1],\ \text{mod}[6, 7]\ 4,\ \frac{\text{mod}[6, 7]}{1}\ 4,\ (6 + \text{Log}[7, 1])\ 4,$$

$$\text{mod}[6, 7 \times 1]\ 4,\ \text{mod}[6, 7 + 1]\ 4,\ \text{mod}\left[6, \frac{7}{1}\right]\ 4,\ \text{mod}\left[6, 7^{1}\right]\ 4,\ \text{mod}[6, \text{root}[7, 1]]\ 4,$$

$$(6 + \text{mod}[7, 1])\ 4,\ \text{mod}[6, 7]^{1}\ 4,\ \text{root}[\text{mod}[6, 7], 1]\ 4,\ (6 - \text{Log}[7, 1])\ 4,$$

$$(6 - \text{mod}[7, 1])\ 4,\ \text{mod}[6, 7]\ 4,\ 6\ (\text{Log}[7, 1] + 4),\ 6\ (\text{mod}[7, 1] + 4),\ \frac{\text{mod}[6, 7]}{\frac{1}{4}},$$

$$6\ (7 + (1 - 4)),\ 6\ ((7 + 1) - 4),\ \text{mod}[6, 7]\ 4,\ \text{mod}[6, 7]\ 4,\ 6\ (\text{mod}[7, 4] + 1),\ 6\ ((7 - 4) + 1),$$

$$\text{mod}[6, 7]\ \frac{4}{1},\ \frac{\text{mod}[6, 7]\ 4}{1},\ \text{mod}[6, 7]\ 4^{1},\ (\text{mod}[6, 7]\ 4)^{1},\ \text{mod}[6, 7]\ \text{root}[4, 1],$$

$$\text{root}[\text{mod}[6, 7]\ 4, 1],\ 6\ (7 - (4 - 1)),\ (\text{Log}[7, 1] + 4)\ 6,\ (\text{mod}[7, 1] + 4)\ 6,$$

$$(7 + (1 - 4))\ 6,\ ((7 + 1) - 4)\ 6,\ \text{Log}[7, 1] + 4 \times 6,\ \text{mod}[7, 1] + 4 \times 6,\ (7 - 1)\ \text{mod}[4, 6],$$

$$(\text{Log}[7, 1] + 6)\ 4,\ (\text{mod}[7, 1] + 6)\ 4,\ (7 - \text{mod}[1, 6])\ 4,\ \left(7 - 1^{6}\right)\ 4,\ (7 - \text{root}[1, 6])\ 4,$$

$$\text{Log}[7, 1] + 6 \times 4,\ \text{mod}[7, 1] + 6 \times 4,\ (\text{mod}[7, 4] + 1)\ 6,\ ((7 - 4) + 1)\ 6,\ (7 - (4 - 1))\ 6\Big\}\Big\},$$

$$\Big\{\{1, 4, 6, 8\},\ \Big\{((1 - 4) + 6)\ 8,\ (1 - (4 - 6))\ 8,\ 4\ \text{mod}[6, 8],\ 4\ \text{mod}[6, 8],\ \text{mod}[4, 8]\ 6,$$

$$\text{mod}[1 \times 4, 8]\ 6,\ \text{mod}[4, 8]\ 6,\ (1 + \text{mod}[6, 4])\ 8,\ \text{mod}[1 + 6, 4]\ 8,\ (1 + (6 - 4))\ 8,\ ((1 + 6) - 4)\ 8,$$

$$6\ \text{mod}[4, 8],\ 6\ \text{mod}[4, 8],\ \text{mod}[6, 8]\ 4,\ \text{mod}[1 \times 6, 8]\ 4,\ \text{mod}[6, 8]\ 4,\ 6\ (8 - 4),\ 6\ (8 - 4),$$

$$(\text{mod}[1, 8]\ 4)\ 6,\ \left(1^{8}\ 4\right)\ 6,\ (\text{root}[1, 8]\ 4)\ 6,\ (8 - 4)\ 6,\ (1 \times 8 - 4)\ 6,\ \text{mod}[1, 8]\ (4 \times 6),$$

$$1^{8}\ (4 \times 6),\ \text{root}[1, 8]\ (4 \times 6),\ (8 - 4)\ 6,\ (\text{mod}[1, 8]\ 6)\ 4,\ \left(1^{8}\ 6\right)\ 4,\ (\text{root}[1, 8]\ 6)\ 4,$$

$$\text{mod}[1, 8]\ (6 \times 4),\ 1^{8}\ (6 \times 4),\ \text{root}[1, 8]\ (6 \times 4),\ \text{mod}[4 - 1, 6]\ 8,\ (4 - \text{mod}[1, 6])\ 8,$$

$$\left(4 - 1^{6}\right)\ 8,\ (4 - \text{root}[1, 6])\ 8,\ \frac{4}{\frac{1}{\text{mod}[6,8]}},\ 4\ \text{mod}[6, 8],\ \frac{4}{1}\ \text{mod}[6, 8],\ 4^{1}\ \text{mod}[6, 8],$$

$$\text{root}[4, 1]\ \text{mod}[6, 8],\ 4\ \text{mod}[6, 8],\ 4\ \text{mod}[1 \times 6, 8],\ \frac{4}{\text{mod}[1, 8]}\ 6,\ \frac{4}{1^{8}}\ 6,\ \frac{4}{\text{root}[1, 8]}\ 6,$$

$$(4\ \text{mod}[1, 8])\ 6,\ \text{mod}[4, 1 \times 8]\ 6,\ \text{mod}[4, 1 + 8]\ 6,\ \text{mod}[4 \times 1, 8]\ 6,\ \text{mod}\left[\frac{4}{1}, 8\right]\ 6,\ \text{mod}\left[4^{1}, 8\right]\ 6,$$

$$\text{mod}[\text{root}[4, 1], 8]\ 6,\ \left(4 \times 1^{8}\right)\ 6,\ 4^{\text{mod}[1,8]}\ 6,\ 4^{1^{8}}\ 6,\ 4^{\text{root}[1,8]}\ 6,\ (4\ \text{root}[1, 8])\ 6,$$

$$\text{root}[4, \text{mod}[1, 8]]\ 6,\ \text{root}\left[4, 1^{8}\right]\ 6,\ \text{root}[4, \text{root}[1, 8]]\ 6,\ 4\ (\text{mod}[1, 8]\ 6),\ 4\ \left(1^{8}\ 6\right),$$

$$4\ (\text{root}[1,\ 8]\ 6),\ \frac{4}{\frac{\text{mod}[1,8]}{6}},\ \frac{4}{\frac{1^8}{6}},\ \frac{4}{\frac{\text{root}[1,8]}{6}},\ (\text{mod}[4,\ 6]-1)\ 8,\ 4\ \frac{6}{\text{mod}[1,\ 8]},\ 4\ \frac{6}{1^8},\ 4\ \frac{6}{\text{root}[1,\ 8]},$$

$$\frac{4\times 6}{\text{mod}[1,\ 8]},\ \frac{4\times 6}{1^8},\ \frac{4\times 6}{\text{root}[1,\ 8]},\ (4\times 6)\ \text{mod}[1,\ 8],\ 4\ (6\ \text{mod}[1,\ 8]),\ 4\ \text{mod}[6,\ 1\times 8],$$

$$4\ \text{mod}[6,\ 1+8],\ 4\ \text{mod}[6\times 1,\ 8],\ 4\ \text{mod}\left[\frac{6}{1},\ 8\right],\ 4\ \text{mod}\left[6^1,\ 8\right],\ 4\ \text{mod}[\text{root}[6,\ 1],\ 8],$$

$$(4\times 6)\ 1^8,\ 4\ \left(6\times 1^8\right),\ 4\times 6^{\text{mod}[1,8]},\ 4\times 6^{1^8},\ 4\times 6^{\text{root}[1,8]},\ (4\times 6)^{\text{mod}[1,8]},\ (4\times 6)^{1^8},$$

$$(4\times 6)^{\text{root}[1,8]},\ (4\times 6)\ \text{root}[1,\ 8],\ 4\ (6\ \text{root}[1,\ 8]),\ 4\ \text{root}[6,\ \text{mod}[1,\ 8]],\ 4\ \text{root}\left[6,\ 1^8\right],$$

$$4\ \text{root}[6,\ \text{root}[1,\ 8]],\ \text{root}[4\times 6,\ \text{mod}[1,\ 8]],\ \text{root}\left[4\times 6,\ 1^8\right],\ \text{root}[4\times 6,\ \text{root}[1,\ 8]],$$

$$4\ \text{mod}[6,\ 8],\ 4\ \text{mod}[6,\ 8],\ 4\ \frac{\text{mod}[6,\ 8]}{1},\ \frac{4\ \text{mod}[6,\ 8]}{1},\ 4\ (6+\text{Log}[8,\ 1]),\ 4\times 6+\text{Log}[8,\ 1],$$

$$4\ \text{mod}[6,\ 8\times 1],\ 4\ \text{mod}[6,\ 8+1],\ 4\ \text{mod}\left[6,\ \frac{8}{1}\right],\ 4\ \text{mod}\left[6,\ 8^1\right],\ 4\ \text{mod}[6,\ \text{root}[8,\ 1]],$$

$$4\ \text{mod}[6,\ 8-1],\ 4\ (6+\text{mod}[8,\ 1]),\ 4\times 6+\text{mod}[8,\ 1],\ 4\ \text{mod}[6,\ 8]^1,\ (4\ \text{mod}[6,\ 8])^1,$$

$$4\ \text{root}[\text{mod}[6,\ 8],\ 1],\ \text{root}[4\ \text{mod}[6,\ 8],\ 1],\ 4\ (6-\text{Log}[8,\ 1]),\ 4\ (6-\text{mod}[8,\ 1]),$$

$$4\times 6-\text{Log}[8,\ 1],\ 4\times 6-\text{mod}[8,\ 1],\ \text{mod}[4,\ 8]\ 6,\ \frac{\text{mod}[4,\ 8]}{1}\ 6,\ (4+\text{Log}[8,\ 1])\ 6,$$

$$\text{mod}[4,\ 8\times 1]\ 6,\ \text{mod}[4,\ 8+1]\ 6,\ \text{mod}\left[4,\ \frac{8}{1}\right]\ 6,\ \text{mod}\left[4,\ 8^1\right]\ 6,\ \text{mod}[4,\ \text{root}[8,\ 1]]\ 6,$$

$$\text{mod}[4,\ 8-1]\ 6,\ (4+\text{mod}[8,\ 1])\ 6,\ \text{mod}[4,\ 8]^1\ 6,\ \text{root}[\text{mod}[4,\ 8],\ 1]\ 6,\ (4-\text{Log}[8,\ 1])\ 6,$$

$$(4-\text{mod}[8,\ 1])\ 6,\ \text{mod}[4,\ 8]\ 6,\ 4\ (\text{Log}[8,\ 1]+6),\ 4\ (\text{mod}[8,\ 1]+6),\ \frac{\text{mod}[4,\ 8]}{\frac{1}{6}},$$

$$\text{mod}[4,\ 8]\ 6,\ \text{mod}[4,\ 8]\ 6,\ \text{mod}[4,\ 8]\ \frac{6}{1},\ \frac{\text{mod}[4,\ 8]\ 6}{1},\ \text{mod}[4,\ 8]\ 6^1,\ (\text{mod}[4,\ 8]\ 6)^1,$$

$$\text{mod}[4,\ 8]\ \text{root}[6,\ 1],\ \text{root}[\text{mod}[4,\ 8]\ 6,\ 1],\ \text{mod}[6+1,\ 4]\ 8,\ (6+(1-4))\ 8,\ ((6+1)-4)\ 8,$$

$$\frac{6}{\frac{1}{\text{mod}[4,8]}},\ 6\ \text{mod}[4,\ 8],\ \frac{6}{1}\ \text{mod}[4,\ 8],\ 6^1\ \text{mod}[4,\ 8],\ \text{root}[6,\ 1]\ \text{mod}[4,\ 8],\ 6\ \text{mod}[4,\ 8],$$

$$6\ \text{mod}[1\times 4,\ 8],\ \frac{6}{\text{mod}[1,\ 8]}\ 4,\ \frac{6}{1^8}\ 4,\ \frac{6}{\text{root}[1,\ 8]}\ 4,\ (6\ \text{mod}[1,\ 8])\ 4,\ \text{mod}[6,\ 1\times 8]\ 4,$$

$$\text{mod}[6,\ 1+8]\ 4,\ \text{mod}[6\times 1,\ 8]\ 4,\ \text{mod}\left[\frac{6}{1},\ 8\right]\ 4,\ \text{mod}\left[6^1,\ 8\right]\ 4,\ \text{mod}[\text{root}[6,\ 1],\ 8]\ 4,\ \left(6\times 1^8\right)\ 4,$$

$$6^{\text{mod}[1,8]}\ 4,\ 6^{1^8}\ 4,\ 6^{\text{root}[1,8]}\ 4,\ (6\ \text{root}[1,\ 8])\ 4,\ \text{root}[6,\ \text{mod}[1,\ 8]]\ 4,\ \text{root}\left[6,\ 1^8\right]\ 4,$$

$$\text{root}[6,\ \text{root}[1,\ 8]]\ 4,\ 6\ (\text{mod}[1,\ 8]\ 4),\ 6\ \left(1^8\ 4\right),\ 6\ (\text{root}[1,\ 8]\ 4),\ \frac{6}{\frac{1}{8-4}},\ \frac{6}{\frac{\text{mod}[1,8]}{4}},\ \frac{6}{\frac{1^8}{4}},$$

$$\frac{6}{\frac{\text{root}[1,8]}{4}},\ 6\ (8-4),\ \frac{6}{1}\ (8-4),\ 6^1\ (8-4),\ \text{root}[6,\ 1]\ (8-4),\ 6\ (8-4),\ 6\ (1\times 8-4),$$

$$(\text{mod}[6,\ 4]+1)\ 8,\ ((6-4)+1)\ 8,\ (6-(4-1))\ 8,\ 6\ \frac{4}{\text{mod}[1,\ 8]},\ 6\ \frac{4}{1^8},\ 6\ \frac{4}{\text{root}[1,\ 8]},$$

$$\frac{6\times 4}{\text{mod}[1,\ 8]},\ \frac{6\times 4}{1^8},\ \frac{6\times 4}{\text{root}[1,\ 8]},\ (6\times 4)\ \text{mod}[1,\ 8],\ 6\ (4\ \text{mod}[1,\ 8]),\ 6\ \text{mod}[4,\ 1\times 8],$$

$$6\ \text{mod}[4,\ 1+8],\ 6\ \text{mod}[4\times 1,\ 8],\ 6\ \text{mod}\left[\frac{4}{1},\ 8\right],\ 6\ \text{mod}\left[4^1,\ 8\right],\ 6\ \text{mod}[\text{root}[4,\ 1],\ 8],$$

$$(6\times 4)\ 1^8,\ 6\ \left(4\times 1^8\right),\ 6\times 4^{\text{mod}[1,8]},\ 6\times 4^{1^8},\ 6\times 4^{\text{root}[1,8]},\ (6\times 4)^{\text{mod}[1,8]},\ (6\times 4)^{1^8},$$

$$(6\times 4)^{\text{root}[1,8]},\ (6\times 4)\ \text{root}[1,8],\ 6\ (4\ \text{root}[1,8]),\ 6\ \text{root}[4,\text{mod}[1,8]],\ 6\ \text{root}\left[4,1^{8}\right],$$
$$6\ \text{root}[4,\text{root}[1,8]],\ \text{root}[6\times 4,\text{mod}[1,8]],\ \text{root}\left[6\times 4,1^{8}\right],\ \text{root}[6\times 4,\text{root}[1,8]],$$
$$6\ \text{mod}[4,8],\ 6\ \text{mod}[4,8],\ 6\ \frac{\text{mod}[4,8]}{1},\ \frac{6\ \text{mod}[4,8]}{1},\ 6\ (4+\text{Log}[8,1]),\ 6\times 4+\text{Log}[8,1],$$
$$6\ \text{mod}[4,8\times 1],\ 6\ \text{mod}[4,8+1],\ 6\ \text{mod}\left[4,\frac{8}{1}\right],\ 6\ \text{mod}\left[4,8^{1}\right],\ 6\ \text{mod}[4,\text{root}[8,1]],$$
$$6\ \text{mod}[4,8-1],\ 6\ (4+\text{mod}[8,1]),\ 6\times 4+\text{mod}[8,1],\ 6\ \text{mod}[4,8]^{1},\ (6\ \text{mod}[4,8])^{1},$$
$$6\ \text{root}[\text{mod}[4,8],1],\ \text{root}[6\ \text{mod}[4,8],1],\ 6\ (4-\text{Log}[8,1]),\ 6\ (4-\text{mod}[8,1]),$$
$$6\times 4-\text{Log}[8,1],\ 6\times 4-\text{mod}[8,1],\ \text{mod}[6,8]\ 4,\ \frac{\text{mod}[6,8]}{1}\ 4,\ (6+\text{Log}[8,1])\ 4,$$
$$\text{mod}[6,8\times 1]\ 4,\ \text{mod}[6,8+1]\ 4,\ \text{mod}\left[6,\frac{8}{1}\right]\ 4,\ \text{mod}\left[6,8^{1}\right]\ 4,\ \text{mod}[6,\text{root}[8,1]]\ 4,$$
$$\text{mod}[6,8-1]\ 4,\ (6+\text{mod}[8,1])\ 4,\ \text{mod}[6,8]^{1}\ 4,\ \text{root}[\text{mod}[6,8],1]\ 4,\ (6-\text{Log}[8,1])\ 4,$$
$$(6-\text{mod}[8,1])\ 4,\ \text{mod}[6,8]\ 4,\ 6\ (\text{Log}[8,1]+4),\ 6\ (\text{mod}[8,1]+4),\ \frac{\text{mod}[6,8]}{\frac{1}{4}},\ 6\ (8-1\times 4),$$
$$6\ (8\times 1-4),\ 6\ \left(\frac{8}{1}-4\right),\ 6\ \left(8^{1}-4\right),\ 6\ (\text{root}[8,1]-4),\ \text{mod}[6,8]\ 4,\ 6\ (8-4),\ \text{mod}[6,8]\ 4,$$
$$6\ (8-4),\ \text{mod}[6,8]\ \frac{4}{1},\ \frac{\text{mod}[6,8]\ 4}{1},\ 6\ \frac{8-4}{1},\ \frac{6\ (8-4)}{1},\ \text{mod}[6,8]\ 4^{1},\ (\text{mod}[6,8]\ 4)^{1},$$
$$6\ (8-4)^{1},\ (6\ (8-4))^{1},\ \text{mod}[6,8]\ \text{root}[4,1],\ \text{root}[\text{mod}[6,8]\ 4,1],\ 6\ \text{root}[8-4,1],$$
$$\text{root}[6\ (8-4),1],\ 6\ (8-4\times 1),\ 6\ \left(8-\frac{4}{1}\right),\ 6\ \left(8-4^{1}\right),\ 6\ (8-\text{root}[4,1]),\ (\text{Log}[8,1]+4)\ 6,$$
$$(\text{mod}[8,1]+4)\ 6,\ (8-1\times 4)\ 6,\ (8\times 1-4)\ 6,\ \left(\frac{8}{1}-4\right)\ 6,\ \left(8^{1}-4\right)\ 6,\ (\text{root}[8,1]-4)\ 6,$$
$$8\ ((1-4)+6),\ \text{Log}[8,1]+4\times 6,\ \text{mod}[8,1]+4\times 6,\ \frac{8}{1-\frac{4}{6}},\ 8\ (1-(4-6)),\ (\text{Log}[8,1]+6)\ 4,$$
$$(\text{mod}[8,1]+6)\ 4,\ \text{Log}[8,1]+6\times 4,\ \text{mod}[8,1]+6\times 4,\ 8\ (1+\text{mod}[6,4]),\ 8\ \text{mod}[1+6,4],$$
$$8\ (1+(6-4)),\ 8\ ((1+6)-4),\ (8-4)\ 6,\ \frac{8-4}{1}\ 6,\ (8-4)^{1}\ 6,\ \text{root}[8-4,1]\ 6,\ (8-4\times 1)\ 6,$$
$$\left(8-\frac{4}{1}\right)\ 6,\ \left(8-4^{1}\right)\ 6,\ (8-\text{root}[4,1])\ 6,\ (8-4)\ 6,\ \frac{8-4}{\frac{1}{6}},\ 8\ \text{mod}[4-1,6],\ 8\ (4-\text{mod}[1,6]),$$
$$8\ \left(4-1^{6}\right),\ 8\ (4-\text{root}[1,6]),\ (8-4)\ 6,\ (8-4)\ 6,\ (8-4)\ \frac{6}{1},\ \frac{(8-4)\ 6}{1},\ (8-4)\ 6^{1},$$
$$((8-4)\ 6)^{1},\ (8-4)\ \text{root}[6,1],\ \text{root}[(8-4)\ 6,1],\ 8\ (\text{mod}[4,6]-1),\ 8\ \text{mod}[6+1,4],$$
$$8\ (6+(1-4)),\ 8\ ((6+1)-4),\ 8\ (\text{mod}[6,4]+1),\ 8\ ((6-4)+1),\ 8\ (6-(4-1))\}\},$$
$$\{\{1,4,6,9\},\ \{4\ \text{mod}[6,9],\ 4\ \text{mod}[6,9],\ \text{mod}[4,9]\ 6,\ \text{mod}[1\times 4,9]\ 6,\ \text{mod}[4,9]\ 6,$$
$$6\ \text{mod}[4,9],\ 6\ \text{mod}[4,9],\ \text{mod}[6,9]\ 4,\ \text{mod}[1\times 6,9]\ 4,\ \text{mod}[6,9]\ 4,\ (\text{mod}[1,9]\ 4)\ 6,$$
$$\left(1^{9}\ 4\right)\ 6,\ (\text{root}[1,9]\ 4)\ 6,\ \text{mod}[1,9]\ (4\times 6),\ 1^{9}\ (4\times 6),\ \text{root}[1,9]\ (4\times 6),\ (\text{mod}[1,9]\ 6)\ 4,$$
$$\left(1^{9}\ 6\right)\ 4,\ (\text{root}[1,9]\ 6)\ 4,\ \text{mod}[1,9]\ (6\times 4),\ 1^{9}\ (6\times 4),\ \text{root}[1,9]\ (6\times 4),\ \frac{4}{\frac{1}{\text{mod}[6,9]}},$$
$$4\ \text{mod}[6,9],\ \frac{4}{1}\ \text{mod}[6,9],\ 4^{1}\ \text{mod}[6,9],\ \text{root}[4,1]\ \text{mod}[6,9],\ 4\ \text{mod}[6,9],$$
$$4\ \text{mod}[1\times 6,9],\ \frac{4}{\text{mod}[1,9]}\ 6,\ \frac{4}{1^{9}}\ 6,\ \frac{4}{\text{root}[1,9]}\ 6,\ (4\ \text{mod}[1,9])\ 6,\ \text{mod}[4,1\times 9]\ 6,$$

$$\text{mod}[4,\ 1+9]\ 6,\ \text{mod}[4\times 1,\ 9]\ 6,\ \text{mod}\left[\frac{4}{1},\ 9\right]\ 6,\ \text{mod}\left[4^1,\ 9\right]\ 6,\ \text{mod}[\text{root}[4,\ 1],\ 9]\ 6,$$

$$\left(4\times 1^9\right)\ 6,\ 4^{\text{mod}[1,9]}\ 6,\ 4^{1^9}\ 6,\ 4^{\text{root}[1,9]}\ 6,\ (4\ \text{root}[1,\ 9])\ 6,\ \text{root}[4,\ \text{mod}[1,\ 9]]\ 6,$$

$$\text{root}\left[4,\ 1^9\right]\ 6,\ \text{root}[4,\ \text{root}[1,\ 9]]\ 6,\ 4\ (\text{mod}[1,\ 9]\ 6),\ 4\ \left(1^9\ 6\right),\ 4\ (\text{root}[1,\ 9]\ 6),$$

$$\frac{4}{\frac{\text{mod}[1,9]}{6}},\ \frac{4}{\frac{1^9}{6}},\ \frac{4}{\frac{\text{root}[1,9]}{6}},\ 4\ \frac{6}{\text{mod}[1,\ 9]},\ 4\ \frac{6}{1^9},\ 4\ \frac{6}{\text{root}[1,\ 9]},\ \frac{4\times 6}{\text{mod}[1,\ 9]},\ \frac{4\times 6}{1^9},\ \frac{4\times 6}{\text{root}[1,\ 9]},$$

$$(4\times 6)\ \text{mod}[1,\ 9],\ 4\ (6\ \text{mod}[1,\ 9]),\ 4\ \text{mod}[6,\ 1\times 9],\ 4\ \text{mod}[6,\ 1+9],\ 4\ \text{mod}[6\times 1,\ 9],$$

$$4\ \text{mod}\left[\frac{6}{1},\ 9\right],\ 4\ \text{mod}\left[6^1,\ 9\right],\ 4\ \text{mod}[\text{root}[6,\ 1],\ 9],\ (4\times 6)\ 1^9,\ 4\ \left(6\times 1^9\right),\ 4\times 6^{\text{mod}[1,9]},\ 4\times 6^{1^9},$$

$$4\times 6^{\text{root}[1,9]},\ (4\times 6)^{\text{mod}[1,9]},\ (4\times 6)^{1^9},\ (4\times 6)^{\text{root}[1,9]},\ (4\times 6)\ \text{root}[1,\ 9],\ 4\ (6\ \text{root}[1,\ 9]),$$

$$4\ \text{root}[6,\ \text{mod}[1,\ 9]],\ 4\ \text{root}\left[6,\ 1^9\right],\ 4\ \text{root}[6,\ \text{root}[1,\ 9]],\ \text{root}[4\times 6,\ \text{mod}[1,\ 9]],$$

$$\text{root}\left[4\times 6,\ 1^9\right],\ \text{root}[4\times 6,\ \text{root}[1,\ 9]],\ 4\ \text{mod}[6,\ 9],\ 4\ \text{mod}[6,\ 9],\ 4\ \frac{\text{mod}[6,\ 9]}{1},$$

$$\frac{4\ \text{mod}[6,\ 9]}{1},\ 4\ (6+\text{Log}[9,\ 1]),\ 4\times 6+\text{Log}[9,\ 1],\ 4\ \text{mod}[6,\ 9\times 1],\ 4\ \text{mod}[6,\ 9+1],$$

$$4\ \text{mod}\left[6,\ \frac{9}{1}\right],\ 4\ \text{mod}\left[6,\ 9^1\right],\ 4\ \text{mod}[6,\ \text{root}[9,\ 1]],\ 4\ \text{mod}[6,\ 9-1],\ 4\ (6+\text{mod}[9,\ 1]),$$

$$4\times 6+\text{mod}[9,\ 1],\ 4\ \text{mod}[6,\ 9]^1,\ (4\ \text{mod}[6,\ 9])^1,\ 4\ \text{root}[\text{mod}[6,\ 9],\ 1],\ \text{root}[4\ \text{mod}[6,\ 9],\ 1],$$

$$4\ (6-\text{Log}[9,\ 1]),\ 4\ (6-\text{mod}[9,\ 1]),\ 4\times 6-\text{Log}[9,\ 1],\ 4\times 6-\text{mod}[9,\ 1],\ \text{mod}[4,\ 9]\ 6,$$

$$\frac{\text{mod}[4,\ 9]}{1}\ 6,\ (4+\text{Log}[9,\ 1])\ 6,\ \text{mod}[4,\ 9\times 1]\ 6,\ \text{mod}[4,\ 9+1]\ 6,\ \text{mod}\left[4,\ \frac{9}{1}\right]\ 6,$$

$$\text{mod}\left[4,\ 9^1\right]\ 6,\ \text{mod}[4,\ \text{root}[9,\ 1]]\ 6,\ \text{mod}[4,\ 9-1]\ 6,\ (4+\text{mod}[9,\ 1]))\ 6,\ \text{mod}[4,\ 9]^1\ 6,$$

$$\text{root}[\text{mod}[4,\ 9],\ 1]\ 6,\ (4-\text{Log}[9,\ 1]))\ 6,\ (4-\text{mod}[9,\ 1]))\ 6,\ \text{mod}[4,\ 9]\ 6,\ 4\ (\text{Log}[9,\ 1]+6),$$

$$4\ (\text{mod}[9,\ 1]+6),\ \frac{\text{mod}[4,\ 9]}{\frac{1}{6}},\ \text{mod}[4,\ 9]\ 6,\ \text{mod}[4,\ 9]\ 6,\ \text{mod}[4,\ 9]\ \frac{6}{1},\ \frac{\text{mod}[4,\ 9]\ 6}{1},$$

$$\text{mod}[4,\ 9]\ 6^1,\ (\text{mod}[4,\ 9]\ 6)^1,\ \text{mod}[4,\ 9]\ \text{root}[6,\ 1],\ \text{root}[\text{mod}[4,\ 9]\ 6,\ 1],\ \frac{6}{\frac{1}{\text{mod}[4,9]}},$$

$$6\ \text{mod}[4,\ 9],\ \frac{6}{1}\ \text{mod}[4,\ 9],\ 6^1\ \text{mod}[4,\ 9],\ \text{root}[6,\ 1]\ \text{mod}[4,\ 9],\ 6\ \text{mod}[4,\ 9],\ 6\ \text{mod}[1\times 4,\ 9],$$

$$\frac{6}{\text{mod}[1,\ 9]}\ 4,\ \frac{6}{1^9}\ 4,\ \frac{6}{\text{root}[1,\ 9]}\ 4,\ (6\ \text{mod}[1,\ 9])\ 4,\ \text{mod}[6,\ 1\times 9]\ 4,\ \text{mod}[6,\ 1+9]\ 4,$$

$$\text{mod}[6\times 1,\ 9]\ 4,\ \text{mod}\left[\frac{6}{1},\ 9\right]\ 4,\ \text{mod}\left[6^1,\ 9\right]\ 4,\ \text{mod}[\text{root}[6,\ 1],\ 9]\ 4,\ \left(6\times 1^9\right)\ 4,$$

$$6^{\text{mod}[1,9]}\ 4,\ 6^{1^9}\ 4,\ 6^{\text{root}[1,9]}\ 4,\ (6\ \text{root}[1,\ 9])\ 4,\ \text{root}[6,\ \text{mod}[1,\ 9]]\ 4,\ \text{root}\left[6,\ 1^9\right]\ 4,$$

$$\text{root}[6,\ \text{root}[1,\ 9]]\ 4,\ 6\ (\text{mod}[1,\ 9]\ 4),\ 6\ \left(1^9\ 4\right),\ 6\ (\text{root}[1,\ 9]\ 4),\ \frac{6}{\frac{\text{mod}[1,9]}{4}},\ \frac{6}{\frac{1^9}{4}},$$

$$\frac{6}{\frac{\text{root}[1,9]}{4}},\ 6\ \frac{4}{\text{mod}[1,\ 9]},\ 6\ \frac{4}{1^9},\ 6\ \frac{4}{\text{root}[1,\ 9]},\ \frac{6\times 4}{\text{mod}[1,\ 9]},\ \frac{6\times 4}{1^9},\ \frac{6\times 4}{\text{root}[1,\ 9]},\ \frac{6^{4-1}}{9},$$

$$(6\times 4)\ \text{mod}[1,\ 9],\ 6\ (4\ \text{mod}[1,\ 9]),\ 6\ \text{mod}[4,\ 1\times 9],\ 6\ \text{mod}[4,\ 1+9],\ 6\ \text{mod}[4\times 1,\ 9],$$

$$6\ \text{mod}\left[\frac{4}{1},\ 9\right],\ 6\ \text{mod}\left[4^1,\ 9\right],\ 6\ \text{mod}[\text{root}[4,\ 1],\ 9],\ (6\times 4)\ 1^9,\ 6\ \left(4\times 1^9\right),\ 6\times 4^{\text{mod}[1,9]},$$

$$6\times 4^{1^9},\ 6\times 4^{\text{root}[1,9]},\ (6\times 4)^{\text{mod}[1,9]},\ (6\times 4)^{1^9},\ (6\times 4)^{\text{root}[1,9]},\ (6\times 4)\ \text{root}[1,\ 9],$$

$$6\ (4\ \text{root}[1,\ 9]),\ 6\ \text{root}[4,\ \text{mod}[1,\ 9]],\ 6\ \text{root}\left[4,\ 1^9\right],\ 6\ \text{root}[4,\ \text{root}[1,\ 9]],$$

$$\text{root}[6\times 4,\ \text{mod}[1,\ 9]],\ \text{root}\left[6\times 4,\ 1^9\right],\ \text{root}[6\times 4,\ \text{root}[1,\ 9]],\ 6\ \text{mod}[4,\ 9],\ 6\ \text{mod}[4,\ 9],$$

$$6\,\frac{\text{mod}[4,\,9]}{1},\ \frac{6\,\text{mod}[4,\,9]}{1},\ 6\,(4+\text{Log}[9,\,1]),\ 6\times 4+\text{Log}[9,\,1],\ 6\,\text{mod}[4,\,9\times 1],$$

$$6\,\text{mod}[4,\,9+1],\ 6\,\text{mod}\left[4,\,\frac{9}{1}\right],\ 6\,\text{mod}\left[4,\,9^1\right],\ 6\,\text{mod}[4,\,\text{root}[9,\,1]],\ 6\,\text{mod}[4,\,9-1],$$

$$6\,(4+\text{mod}[9,\,1]),\ 6\times 4+\text{mod}[9,\,1],\ 6\,\text{mod}[4,\,9]^1,\ (6\,\text{mod}[4,\,9])^1,\ 6\,\text{root}[\text{mod}[4,\,9],\,1],$$

$$\text{root}[6\,\text{mod}[4,\,9],\,1],\ 6\,(4-\text{Log}[9,\,1]),\ 6\,(4-\text{mod}[9,\,1]),\ 6\times 4-\text{Log}[9,\,1],\ 6\times 4-\text{mod}[9,\,1],$$

$$\text{mod}[6,\,9]\,4,\ \frac{\text{mod}[6,\,9]}{1}\,4,\ (6+\text{Log}[9,\,1])\,4,\ \text{mod}[6,\,9\times 1]\,4,\ \text{mod}[6,\,9+1]\,4,$$

$$\text{mod}\left[6,\,\frac{9}{1}\right]\,4,\ \text{mod}\left[6,\,9^1\right]\,4,\ \text{mod}[6,\,\text{root}[9,\,1]]\,4,\ \text{mod}[6,\,9-1]\,4,\ (6+\text{mod}[9,\,1])\,4,$$

$$\text{mod}[6,\,9]^1\,4,\ \text{root}[\text{mod}[6,\,9],\,1]\,4,\ (6-\text{Log}[9,\,1])\,4,\ (6-\text{mod}[9,\,1])\,4,\ \text{mod}[6,\,9]\,4,$$

$$6\,(\text{Log}[9,\,1]+4),\ 6\,(\text{mod}[9,\,1]+4),\ \frac{\text{mod}[6,\,9]}{\frac{1}{4}},\ 6\,\text{mod}[9,\,1+4],\ 6\,(9-(1+4)),$$

$$6\,((9-1)-4),\ \text{mod}[6,\,9]\,4,\ \text{mod}[6,\,9]\,4,\ \text{mod}[6,\,9]\,\frac{4}{1},\ \frac{\text{mod}[6,\,9]\,4}{1},\ 6\,\text{mod}[9,\,4+1],$$

$$\text{mod}[6,\,9]\,4^1,\ (\text{mod}[6,\,9]\,4)^1,\ \text{mod}[6,\,9]\,\text{root}[4,\,1],\ \text{root}[\text{mod}[6,\,9]\,4,\,1],\ 6\,(9-(4+1)),$$

$$6\,((9-4)-1),\ (\text{Log}[9,\,1]+4)\,6,\ (\text{mod}[9,\,1]+4)\,6,\ \text{mod}[9,\,1+4]\,6,\ (9-(1+4))\,6,$$

$$((9-1)-4)\,6,\ \text{Log}[9,\,1]+4\times 6,\ \text{mod}[9,\,1]+4\times 6,\ (\text{Log}[9,\,1]+6)\,4,\ (\text{mod}[9,\,1]+6)\,4,$$

$$\text{Log}[9,\,1]+6\times 4,\ \text{mod}[9,\,1]+6\times 4,\ \text{mod}[9,\,4+1]\,6,\ (9-(4+1))\,6,\ ((9-4)-1)\,6\Big\}\Big\},$$

$$\Big\{\{1,\,4,\,6,\,10\},\ \Big\{4\,\text{mod}[6,\,10],\ 4\,\text{mod}[6,\,10],\ \text{mod}[4,\,10]\,6,\ \text{mod}[1\times 4,\,10]\,6,$$

$$\text{mod}[4,\,10]\,6,\ 6\,\text{mod}[4,\,10],\ 6\,\text{mod}[4,\,10],\ \text{mod}[6,\,10]\,4,\ \text{mod}[1\times 6,\,10]\,4,\ \text{mod}[6,\,10]\,4,$$

$$(\text{mod}[1,\,10]\,4)\,6,\ \left(1^{10}\,4\right)\,6,\ (\text{root}[1,\,10]\,4)\,6,\ \text{mod}[1,\,10]\,(4\times 6),\ 1^{10}\,(4\times 6),$$

$$\text{root}[1,\,10]\,(4\times 6),\ (\text{mod}[1,\,10]\,6)\,4,\ \left(1^{10}\,6\right)\,4,\ (\text{root}[1,\,10]\,6)\,4,\ \text{mod}[1,\,10]\,(6\times 4),$$

$$1^{10}\,(6\times 4),\ \text{root}[1,\,10]\,(6\times 4),\ \frac{4}{\frac{1}{\text{mod}[6,10]}},\ 4\,\text{mod}[6,\,10],\ \frac{4}{1}\,\text{mod}[6,\,10],\ 4^1\,\text{mod}[6,\,10],$$

$$\text{root}[4,\,1]\,\text{mod}[6,\,10],\ 4\,\text{mod}[6,\,10],\ 4\,\text{mod}[1\times 6,\,10],\ \frac{4}{\text{mod}[1,\,10]}\,6,\ \frac{4}{1^{10}}\,6,\ \frac{4}{\text{root}[1,\,10]}\,6,$$

$$(4\,\text{mod}[1,\,10])\,6,\ \text{mod}[4,\,1\times 10]\,6,\ \text{mod}[4,\,1+10]\,6,\ \text{mod}[4\times 1,\,10]\,6,\ \text{mod}\left[\frac{4}{1},\,10\right]\,6,$$

$$\text{mod}\left[4^1,\,10\right]\,6,\ \text{mod}[\text{root}[4,\,1],\,10]\,6,\ \left(4\times 1^{10}\right)\,6,\ 4^{\text{mod}[1,10]}\,6,\ 4^{1^{10}}\,6,\ 4^{\text{root}[1,10]}\,6,$$

$$(4\,\text{root}[1,\,10])\,6,\ \text{root}[4,\,\text{mod}[1,\,10]]\,6,\ \text{root}\left[4,\,1^{10}\right]\,6,\ \text{root}[4,\,\text{root}[1,\,10]]\,6,$$

$$4\,(\text{mod}[1,\,10]\,6),\ 4\,\left(1^{10}\,6\right),\ 4\,(\text{root}[1,\,10]\,6),\ \frac{4}{\frac{\text{mod}[1,10]}{6}},\ \frac{4}{\frac{1^{10}}{6}},\ \frac{4}{\frac{\text{root}[1,10]}{6}},\ (4-1)\,10-6,$$

$$4\,\frac{6}{\text{mod}[1,\,10]},\ 4\,\frac{6}{1^{10}},\ 4\,\frac{6}{\text{root}[1,\,10]},\ \frac{4\times 6}{\text{mod}[1,\,10]},\ \frac{4\times 6}{1^{10}},\ \frac{4\times 6}{\text{root}[1,\,10]},\ (4\times 6)\,\text{mod}[1,\,10],$$

$$4\,(6\,\text{mod}[1,\,10]),\ 4\,\text{mod}[6,\,1\times 10],\ 4\,\text{mod}[6,\,1+10],\ 4\,\text{mod}[6\times 1,\,10],\ 4\,\text{mod}\left[\frac{6}{1},\,10\right],$$

$$4\,\text{mod}\left[6^1,\,10\right],\ 4\,\text{mod}[\text{root}[6,\,1],\,10],\ (4\times 6)\,1^{10},\ 4\,\left(6\times 1^{10}\right),\ 4\times 6^{\text{mod}[1,10]},\ 4\times 6^{1^{10}},$$

$$4\times 6^{\text{root}[1,10]},\ (4\times 6)^{\text{mod}[1,10]},\ (4\times 6)^{1^{10}},\ (4\times 6)^{\text{root}[1,10]},\ (4\times 6)\,\text{root}[1,\,10],$$

$$4\,(6\,\text{root}[1,\,10]),\ 4\,\text{root}[6,\,\text{mod}[1,\,10]],\ 4\,\text{root}\left[6,\,1^{10}\right],\ 4\,\text{root}[6,\,\text{root}[1,\,10]],$$

$$\text{root}[4\times 6,\,\text{mod}[1,\,10]],\ \text{root}\left[4\times 6,\,1^{10}\right],\ \text{root}[4\times 6,\,\text{root}[1,\,10]],\ 4\,\text{mod}[6,\,10],$$

$$4\,\text{mod}[6,\,10],\ 4\,\frac{\text{mod}[6,\,10]}{1},\ \frac{4\,\text{mod}[6,\,10]}{1},\ 4\,(6+\text{Log}[10,\,1]),\ 4\times 6+\text{Log}[10,\,1],$$

$$4\,\text{mod}[6,\,10\times 1],\ 4\,\text{mod}[6,\,10+1],\ 4\,\text{mod}\left[6,\,\frac{10}{1}\right],\ 4\,\text{mod}\left[6,\,10^1\right],\ 4\,\text{mod}[6,\,\text{root}[10,\,1]],$$

$$4\,\mathrm{mod}[6,\,10-1],\ 4\,(6+\mathrm{mod}[10,\,1]),\ 4\times 6+\mathrm{mod}[10,\,1],\ 4\,\mathrm{mod}[6,\,10]^1,\ (4\,\mathrm{mod}[6,\,10])^1,$$
$$4\,\mathrm{root}[\mathrm{mod}[6,\,10],\,1],\ \mathrm{root}[4\,\mathrm{mod}[6,\,10],\,1],\ 4\,(6-\mathrm{Log}[10,\,1]),\ 4\,(6-\mathrm{mod}[10,\,1]),$$
$$4\times 6-\mathrm{Log}[10,\,1],\ 4\times 6-\mathrm{mod}[10,\,1],\ \mathrm{mod}[4,\,10]\,6,\ \frac{\mathrm{mod}[4,\,10]}{1}\,6,\ (4+\mathrm{Log}[10,\,1])\,6,$$
$$\mathrm{mod}[4,\,10\times 1]\,6,\ \mathrm{mod}[4,\,10+1]\,6,\ \mathrm{mod}\left[4,\,\frac{10}{1}\right]\,6,\ \mathrm{mod}\left[4,\,10^1\right]\,6,\ \mathrm{mod}[4,\,\mathrm{root}[10,\,1]]\,6,$$
$$\mathrm{mod}[4,\,10-1]\,6,\ (4+\mathrm{mod}[10,\,1])\,6,\ \mathrm{mod}[4,\,10]^1\,6,\ \mathrm{root}[\mathrm{mod}[4,\,10],\,1]\,6,$$
$$(4-\mathrm{Log}[10,\,1])\,6,\ (4-\mathrm{mod}[10,\,1])\,6,\ \mathrm{mod}[4,\,10]\,6,\ 4\,(\mathrm{Log}[10,\,1]+6),\ 4\,(\mathrm{mod}[10,\,1]+6),$$
$$\frac{\mathrm{mod}[4,\,10]}{\frac{1}{6}},\ \mathrm{mod}[4,\,10]\,6,\ \mathrm{mod}[4,\,10]\,6,\ \mathrm{mod}[4,\,10]\,\frac{6}{1},\ \frac{\mathrm{mod}[4,\,10]\,6}{1},\ \mathrm{mod}[4,\,10]\,6^1,$$
$$(\mathrm{mod}[4,\,10]\,6)^1,\ \mathrm{mod}[4,\,10]\,\mathrm{root}[6,\,1],\ \mathrm{root}[\mathrm{mod}[4,\,10]\,6,\,1],\ \frac{6}{\frac{1}{\mathrm{mod}[4,10]}},\ 6\,\mathrm{mod}[4,\,10],$$
$$\frac{6}{1}\,\mathrm{mod}[4,\,10],\ 6^1\,\mathrm{mod}[4,\,10],\ \mathrm{root}[6,\,1]\,\mathrm{mod}[4,\,10],\ 6\,\mathrm{mod}[4,\,10],\ 6\,\mathrm{mod}[1\times 4,\,10],$$
$$\frac{6}{\mathrm{mod}[1,\,10]}\,4,\ \frac{6}{1^{10}}\,4,\ \frac{6}{\mathrm{root}[1,\,10]}\,4,\ (6\,\mathrm{mod}[1,\,10])\,4,\ \mathrm{mod}[6,\,1\times 10]\,4,\ \mathrm{mod}[6,\,1+10]\,4,$$
$$\mathrm{mod}[6\times 1,\,10]\,4,\ \mathrm{mod}\left[\frac{6}{1},\,10\right]\,4,\ \mathrm{mod}\left[6^1,\,10\right]\,4,\ \mathrm{mod}[\mathrm{root}[6,\,1],\,10]\,4,\ \left(6\times 1^{10}\right)\,4,$$
$$6^{\mathrm{mod}[1,10]}\,4,\ 6^{1^{10}}\,4,\ 6^{\mathrm{root}[1,10]}\,4,\ (6\,\mathrm{root}[1,\,10])\,4,\ \mathrm{root}[6,\,\mathrm{mod}[1,\,10]]\,4,\ \mathrm{root}\left[6,\,1^{10}\right]\,4,$$
$$\mathrm{root}[6,\,\mathrm{root}[1,\,10]]\,4,\ 6\,(\mathrm{mod}[1,\,10]\,4),\ 6\,\left(1^{10}\,4\right),\ 6\,(\mathrm{root}[1,\,10]\,4),\ \frac{6}{\frac{\mathrm{mod}[1,10]}{4}},\ \frac{6}{\frac{1^{10}}{4}},$$
$$\frac{6}{\frac{\mathrm{root}[1,10]}{4}},\ 6\,\frac{4}{\mathrm{mod}[1,\,10]},\ 6\,\frac{4}{1^{10}},\ 6\,\frac{4}{\mathrm{root}[1,\,10]},\ \frac{6\times 4}{\mathrm{mod}[1,\,10]},\ \frac{6\times 4}{1^{10}},\ \frac{6\times 4}{\mathrm{root}[1,\,10]},$$
$$(6\times 4)\,\mathrm{mod}[1,\,10],\ 6\,(4\,\mathrm{mod}[1,\,10]),\ 6\,\mathrm{mod}[4,\,1\times 10],\ 6\,\mathrm{mod}[4,\,1+10],\ 6\,\mathrm{mod}[4\times 1,\,10],$$
$$6\,\mathrm{mod}\left[\frac{4}{1},\,10\right],\ 6\,\mathrm{mod}\left[4^1,\,10\right],\ 6\,\mathrm{mod}[\mathrm{root}[4,\,1],\,10],\ (6\times 4)\,1^{10},\ 6\,\left(4\times 1^{10}\right),\ 6\times 4^{\mathrm{mod}[1,10]},$$
$$6\times 4^{1^{10}},\ 6\times 4^{\mathrm{root}[1,10]},\ (6\times 4)^{\mathrm{mod}[1,10]},\ (6\times 4)^{1^{10}},\ (6\times 4)^{\mathrm{root}[1,10]},\ (6\times 4)\,\mathrm{root}[1,\,10],$$
$$6\,(4\,\mathrm{root}[1,\,10]),\ 6\,\mathrm{root}[4,\,\mathrm{mod}[1,\,10]],\ 6\,\mathrm{root}\left[4,\,1^{10}\right],\ 6\,\mathrm{root}[4,\,\mathrm{root}[1,\,10]],$$
$$\mathrm{root}[6\times 4,\,\mathrm{mod}[1,\,10]],\ \mathrm{root}\left[6\times 4,\,1^{10}\right],\ \mathrm{root}[6\times 4,\,\mathrm{root}[1,\,10]],\ 6\,\mathrm{mod}[4,\,10],$$
$$6\,\mathrm{mod}[4,\,10],\ 6\,\frac{\mathrm{mod}[4,\,10]}{1},\ \frac{6\,\mathrm{mod}[4,\,10]}{1},\ 6\,(4+\mathrm{Log}[10,\,1]),\ 6\times 4+\mathrm{Log}[10,\,1],$$
$$6\,\mathrm{mod}[4,\,10\times 1],\ 6\,\mathrm{mod}[4,\,10+1],\ 6\,\mathrm{mod}\left[4,\,\frac{10}{1}\right],\ 6\,\mathrm{mod}\left[4,\,10^1\right],\ 6\,\mathrm{mod}[4,\,\mathrm{root}[10,\,1]],$$
$$6\,\mathrm{mod}[4,\,10-1],\ 6\,(4+\mathrm{mod}[10,\,1]),\ 6\times 4+\mathrm{mod}[10,\,1],\ 6\,\mathrm{mod}[4,\,10]^1,\ (6\,\mathrm{mod}[4,\,10])^1,$$
$$6\,\mathrm{root}[\mathrm{mod}[4,\,10],\,1],\ \mathrm{root}[6\,\mathrm{mod}[4,\,10],\,1],\ 6\,(4-\mathrm{Log}[10,\,1]),\ 6\,(4-\mathrm{mod}[10,\,1]),$$
$$6\times 4-\mathrm{Log}[10,\,1],\ 6\times 4-\mathrm{mod}[10,\,1],\ \mathrm{mod}[6,\,10]\,4,\ \frac{\mathrm{mod}[6,\,10]}{1}\,4,\ (6+\mathrm{Log}[10,\,1])\,4,$$
$$\mathrm{mod}[6,\,10\times 1]\,4,\ \mathrm{mod}[6,\,10+1]\,4,\ \mathrm{mod}\left[6,\,\frac{10}{1}\right]\,4,\ \mathrm{mod}\left[6,\,10^1\right]\,4,\ \mathrm{mod}[6,\,\mathrm{root}[10,\,1]]\,4,$$
$$\mathrm{mod}[6,\,10-1]\,4,\ (6+\mathrm{mod}[10,\,1])\,4,\ \mathrm{mod}[6,\,10]^1\,4,\ \mathrm{root}[\mathrm{mod}[6,\,10],\,1]\,4,$$
$$(6-\mathrm{Log}[10,\,1])\,4,\ (6-\mathrm{mod}[10,\,1])\,4,\ \mathrm{mod}[6,\,10]\,4,\ 6\,(\mathrm{Log}[10,\,1]+4),\ 6\,(\mathrm{mod}[10,\,1]+4),$$
$$\frac{\mathrm{mod}[6,\,10]}{\frac{1}{4}},\ \mathrm{mod}[6,\,10]\,4,\ \mathrm{mod}[6,\,10]\,4,\ \mathrm{mod}[6,\,10]\,\frac{4}{1},\ \frac{\mathrm{mod}[6,\,10]\,4}{1},\ \mathrm{mod}[6,\,10]\,4^1,$$
$$(\mathrm{mod}[6,\,10]\,4)^1,\ \mathrm{mod}[6,\,10]\,\mathrm{root}[4,\,1],\ \mathrm{root}[\mathrm{mod}[6,\,10]\,4,\,1],\ (\mathrm{Log}[10,\,1]+4)\,6,$$
$$(\mathrm{mod}[10,\,1]+4)\,6,\ \mathrm{Log}[10,\,1]+4\times 6,\ \mathrm{mod}[10,\,1]+4\times 6,\ (\mathrm{Log}[10,\,1]+6)\,4,$$

$$(\text{mod}[10, 1] + 6)\ 4,\ \text{Log}[10, 1] + 6 \times 4,\ \text{mod}[10, 1] + 6 \times 4,\ 10\ (4 - 1) - 6\}\},$$

$$\{\{1, 4, 7, 7\}, \{(1 + 7)\ \text{mod}[7, 4],\ (1 + 7)\ (7 - 4),\ 4\ \text{mod}[7 - 1, 7],\ 4\ (7 - \text{mod}[1, 7]),$$
$$4\ (7 - 1^7),\ 4\ (7 - \text{root}[1, 7]),\ \text{mod}[4, 7]\ (7 - 1),\ (7 - 1)\ \text{mod}[4, 7],\ \text{mod}[7 - 1, 7]\ 4,$$
$$(7 - \text{mod}[1, 7])\ 4,\ (7 - 1^7)\ 4,\ (7 - \text{root}[1, 7])\ 4,\ (7 + 1)\ \text{mod}[7, 4],\ (7 + 1)\ (7 - 4),$$
$$\text{mod}[7, 4]\ (1 + 7),\ (7 - 4)\ (1 + 7),\ \text{mod}[7, 4]\ (7 + 1),\ (7 - 4)\ (7 + 1)\}\},$$

$$\{\{1, 4, 7, 8\}, \{\text{mod}[7, 4]\ 8,\ \text{mod}[1 \times 7, 4]\ 8,\ (7 - 4)\ 8,\ (1 \times 7 - 4)\ 8,\ \text{mod}[7, 4]\ 8,$$
$$(7 - 4)\ 8,\ (1 - 7)\ (4 - 8),\ (1 + 7)\ 4 - 8,\ 8\ \text{mod}[7, 4],\ 8\ \text{mod}[7, 4],\ 8\ (7 - 4),\ 8\ (7 - 4),$$
$$\text{mod}[4 - 1, 7]\ 8,\ (4 - \text{mod}[1, 7])\ 8,\ (4 - 1^7)\ 8,\ (4 - \text{root}[1, 7])\ 8,\ 4\ (1 + 7) - 8,$$
$$(\text{mod}[4, 7] - 1)\ 8,\ 4\ \text{mod}[7 - 1, 8],\ 4\ (7 - \text{mod}[1, 8]),\ 4\ (7 - 1^8),\ 4\ (7 - \text{root}[1, 8]),$$
$$4\ (7 + 1) - 8,\ 4\ (\text{mod}[7, 8] - 1),\ (4 - 8)\ (1 - 7),\ 4 \times 8 - (1 + 7),\ (4 \times 8 - 1) - 7,$$
$$\text{mod}[4, 8]\ (7 - 1),\ 4 \times 8 - (7 + 1),\ (4 \times 8 - 7) - 1,\ \text{mod}[7, 1 \times 4]\ 8,\ \text{mod}[7 \times 1, 4]\ 8,$$
$$\text{mod}\left[\frac{7}{1}, 4\right]\ 8,\ \text{mod}\left[7^1, 4\right]\ 8,\ \text{mod}[\text{root}[7, 1], 4]\ 8,\ (7 - 1 \times 4)\ 8,\ (7 \times 1 - 4)\ 8,\ \left(\frac{7}{1} - 4\right)\ 8,$$
$$\left(7^1 - 4\right)\ 8,\ (\text{root}[7, 1] - 4)\ 8,\ (7 - 1)\ \text{mod}[4, 8],\ (7 + 1)\ 4 - 8,\ \text{mod}[7 - 1, 8]\ 4,$$
$$(7 - \text{mod}[1, 8])\ 4,\ (7 - 1^8)\ 4,\ (7 - \text{root}[1, 8])\ 4,\ (7 - 1)\ (8 - 4),\ \text{mod}[7, 4]\ 8,\ (7 - 4)\ 8,$$
$$\frac{\text{mod}[7, 4]}{1}\ 8,\ \frac{7 - 4}{1}\ 8,\ \text{mod}[7, 4 \times 1]\ 8,\ \text{mod}\left[7, \frac{4}{1}\right]\ 8,\ \text{mod}\left[7, 4^1\right]\ 8,\ \text{mod}[7, \text{root}[4, 1]]\ 8,$$
$$\text{mod}[7, 4]^1\ 8,\ (7 - 4)^1\ 8,\ \text{root}[\text{mod}[7, 4], 1]\ 8,\ \text{root}[7 - 4, 1]\ 8,\ (7 - 4 \times 1)\ 8,$$
$$\left(7 - \frac{4}{1}\right)\ 8,\ \left(7 - 4^1\right)\ 8,\ (7 - \text{root}[4, 1])\ 8,\ \text{mod}[7, 4]\ 8,\ (7 - 4)\ 8,\ \frac{\text{mod}[7, 4]}{\frac{1}{8}},\ \frac{7 - 4}{\frac{1}{8}},$$
$$\text{mod}[7, 4]\ 8,\ (7 - 4)\ 8,\ \text{mod}[7, 4]\ 8,\ (7 - 4)\ 8,\ \text{mod}[7, 4]\ \frac{8}{1},\ (7 - 4)\ \frac{8}{1},\ \frac{\text{mod}[7, 4]\ 8}{1},$$
$$\frac{(7 - 4)\ 8}{1},\ \text{mod}[7, 4]\ 8^1,\ (7 - 4)\ 8^1,\ (\text{mod}[7, 4]\ 8)^1,\ ((7 - 4)\ 8)^1,\ \text{mod}[7, 4]\ \text{root}[8, 1],$$
$$(7 - 4)\ \text{root}[8, 1],\ \text{root}[\text{mod}[7, 4]\ 8, 1],\ \text{root}[(7 - 4)\ 8, 1],\ (\text{mod}[7, 8] - 1)\ 4,$$
$$\frac{8}{\frac{1}{\text{mod}[7, 4]}},\ \frac{8}{\frac{1}{7 - 4}},\ 8\ \text{mod}[7, 4],\ \frac{8}{1}\ \text{mod}[7, 4],\ 8^1\ \text{mod}[7, 4],\ \text{root}[8, 1]\ \text{mod}[7, 4],$$
$$8\ \text{mod}[7, 4],\ 8\ \text{mod}[1 \times 7, 4],\ 8\ (7 - 4),\ \frac{8}{1}\ (7 - 4),\ 8^1\ (7 - 4),\ \text{root}[8, 1]\ (7 - 4),$$
$$8\ (7 - 4),\ 8\ (1 \times 7 - 4),\ 8\ \text{mod}[4 - 1, 7],\ 8\ (4 - \text{mod}[1, 7]),\ 8\ (4 - 1^7),\ 8\ (4 - \text{root}[1, 7]),$$
$$8 \times 4 - (1 + 7),\ (8 \times 4 - 1) - 7,\ (8 - 4)\ (7 - 1),\ 8 \times 4 - (7 + 1),\ 8\ (\text{mod}[4, 7] - 1),\ (8 \times 4 - 7) - 1,$$
$$8\ \text{mod}[7, 1 \times 4],\ 8\ \text{mod}[7 \times 1, 4],\ 8\ \text{mod}\left[\frac{7}{1}, 4\right],\ 8\ \text{mod}\left[7^1, 4\right],\ 8\ \text{mod}[\text{root}[7, 1], 4],$$
$$8\ (7 - 1 \times 4),\ 8\ (7 \times 1 - 4),\ 8\ \left(\frac{7}{1} - 4\right),\ 8\ \left(7^1 - 4\right),\ 8\ (\text{root}[7, 1] - 4),\ 8\ \text{mod}[7, 4],\ 8\ (7 - 4),$$
$$8\ \text{mod}[7, 4],\ 8\ (7 - 4),\ 8\ \frac{\text{mod}[7, 4]}{1},\ \frac{8\ \text{mod}[7, 4]}{1},\ 8\ \frac{7 - 4}{1},\ \frac{8\ (7 - 4)}{1},\ 8\ \text{mod}[7, 4 \times 1],$$
$$8\ \text{mod}\left[7, \frac{4}{1}\right],\ 8\ \text{mod}\left[7, 4^1\right],\ 8\ \text{mod}[7, \text{root}[4, 1]],\ 8\ \text{mod}[7, 4]^1,\ (8\ \text{mod}[7, 4])^1,$$
$$8\ (7 - 4)^1,\ (8\ (7 - 4))^1,\ 8\ \text{root}[\text{mod}[7, 4], 1],\ \text{root}[8\ \text{mod}[7, 4], 1],\ 8\ \text{root}[7 - 4, 1],$$
$$\text{root}[8\ (7 - 4), 1],\ 8\ (7 - 4 \times 1),\ 8\ \left(7 - \frac{4}{1}\right),\ 8\ \left(7 - 4^1\right),\ 8\ (7 - \text{root}[4, 1])\}\},$$

$$\{\{1, 4, 7, 9\}, \{(1 - 9)\ (4 - 7),\ 4\ \text{mod}[7 - 1, 9],\ (4 - 7)\ (1 - 9),\ 4\ (7 - \text{mod}[1, 9]),$$
$$4\ (7 - 1^9),\ 4\ (7 - \text{root}[1, 9]),\ 4\ (\text{mod}[7, 9] - 1),\ \text{mod}[4, 9]\ (7 - 1),\ (7 - 1)\ \text{mod}[4, 9],$$
$$\text{mod}[7 - 1, 9]\ 4,\ (7 - \text{mod}[1, 9])\ 4,\ (7 - 1^9)\ 4,\ (7 - \text{root}[1, 9])\ 4,\ \text{mod}[7, 4]\ (9 - 1),$$
$$(7 - 4)\ (9 - 1),\ (\text{mod}[7, 9] - 1)\ 4,\ (9 - 1)\ \text{mod}[7, 4],\ (9 - 1)\ (7 - 4)\}\},$$

$$\{\{1, 4, 7, 10\}, \{4\,\mathrm{mod}[7-1, 10],\ 4\,(7-\mathrm{mod}[1, 10]),\ 4\,\left(7-1^{10}\right),\ 4\,(7-\mathrm{root}[1, 10]),\ 4\,(\mathrm{mod}[7, 10]-1),\ \mathrm{mod}[4, 10]\,(7-1),\ (7-1)\,\mathrm{mod}[4, 10],\ \mathrm{mod}[7-1, 10]\,4,\ (7-\mathrm{mod}[1, 10])\,4,\ \left(7-1^{10}\right)\,4,\ (7-\mathrm{root}[1, 10])\,4,\ (\mathrm{mod}[7, 10]-1)\,4\}\},$$

$$\left\{\{1, 4, 8, 8\}, \left\{1\,(4\times 8-8),\ 4\times 8-8,\ 4\times 8-8,\ \left(1+\frac{8}{4}\right)\,8,\ 1\,(8\times 4-8),\ 8\times 4-8,\ 8\times 4-8,\ \mathrm{mod}[4-1, 8]\,8,\ (4-\mathrm{mod}[1, 8])\,8,\ \left(4-1^{8}\right)\,8,\ (4-\mathrm{root}[1, 8])\,8,\ 4\times 8-8,\ \frac{4}{1}\,8-8,\ 4^{1}\,8-8,\ \mathrm{root}[4, 1]\,8-8,\ 4\times 8-8,\ \frac{4}{\frac{1}{8}}-8,\ (\mathrm{mod}[4, 8]-1)\,8,\ 4\times 8-8,\ 4\times 8-1\times 8,\ 4\times 8-8,\ 4\times\frac{8}{1}-8,\ \frac{4\times 8}{1}-8,\ 4\times 8^{1}-8,\ (4\times 8)^{1}-8,\ 4\,\mathrm{root}[8, 1]-8,\ \mathrm{root}[4\times 8, 1]-8,\ (4\times 8-8)\,1,\ \frac{4\times 8-8}{1},\ (4\times 8-8)^{1},\ \mathrm{root}[4\times 8-8, 1],\ 4\times 8-8\times 1,\ 4\times 8-\frac{8}{1},\ 4\times 8-8^{1},\ 4\times 8-\mathrm{root}[8, 1],\ \mathrm{mod}[8, 1+4]\,8,\ \mathrm{mod}[8-1, 4]\,8,\ (8-(1+4))\,8,\ ((8-1)-4)\,8,\ 8\times 4-8,\ \frac{8}{1}\,4-8,\ 8^{1}\,4-8,\ \mathrm{root}[8, 1]\,4-8,\ 8\times 4-8,\ \frac{8}{\frac{1}{4}}-8,\ 8\,\left(1+\frac{8}{4}\right),\ \frac{8}{1-\mathrm{Log}[8, 4]},\ \left(\frac{8}{4}+1\right)\,8,\ \mathrm{mod}[8, 4+1]\,8,\ (8-(4+1))\,8,\ ((8-4)-1)\,8,\ 8\,\mathrm{mod}[4-1, 8],\ 8\,(4-\mathrm{mod}[1, 8]),\ 8\,\left(4-1^{8}\right),\ 8\,(4-\mathrm{root}[1, 8]),\ 8\times 4-8,\ 8\times 4-1\times 8,\ 8\times 4-8,\ 8\times\frac{4}{1}-8,\ \frac{8\times 4}{1}-8,\ 8\times 4^{1}-8,\ (8\times 4)^{1}-8,\ 8\,\mathrm{root}[4, 1]-8,\ \mathrm{root}[8\times 4, 1]-8,\ (8\times 4-8)\,1,\ \frac{8\times 4-8}{1},\ (8\times 4-8)^{1},\ \mathrm{root}[8\times 4-8, 1],\ 8\times 4-8\times 1,\ 8\times 4-\frac{8}{1},\ 8\times 4-8^{1},\ 8\times 4-\mathrm{root}[8, 1],\ 8\,(\mathrm{mod}[4, 8]-1),\ 8\,\mathrm{mod}[8, 1+4],\ 8\,\mathrm{mod}[8-1, 4],\ 8\,(8-(1+4)),\ 8\,((8-1)-4),\ 8\,\left(\frac{8}{4}+1\right),\ 8\,\mathrm{mod}[8, 4+1],\ 8\,(8-(4+1)),\ 8\,((8-4)-1)\right\}\right\},$$

$$\left\{\{1, 4, 8, 9\}, \left\{1+(4\times 8-9),\ (1+4\times 8)-9,\ 1+(8\times 4-9),\ (1+8\times 4)-9,\ (1-9)+4\times 8,\ 1-(9-4\times 8),\ (1-9)+8\times 4,\ 1-(9-8\times 4),\ (4-1)\,\mathrm{mod}[8, 9],\ \mathrm{mod}[4-1, 9]\,8,\ (4-\mathrm{mod}[1, 9])\,8,\ \left(4-1^{9}\right)\,8,\ (4-\mathrm{root}[1, 9])\,8,\ 4\times 8+(1-9),\ (4\times 8+1)-9,\ (4\times 8-9)+1,\ 4\times 8-(9-1),\ (\mathrm{mod}[4, 9]-1)\,8,\ 4\,(9-1)-8,\ \frac{8}{4-1}\,9,\ \frac{8}{\frac{4-1}{9}},\ 8\,\mathrm{mod}[4-1, 9],\ 8\times 4+(1-9),\ 8\,(4-\mathrm{mod}[1, 9]),\ 8\,\left(4-1^{9}\right),\ 8\,(4-\mathrm{root}[1, 9]),\ (8\times 4+1)-9,\ (8\times 4-9)+1,\ 8\times 4-(9-1),\ 8\,(\mathrm{mod}[4, 9]-1),\ 8\,\frac{9}{4-1},\ \frac{8\times 9}{4-1},\ \mathrm{mod}[8, 9]\,(4-1),\ (9-1)\,4-8,\ \frac{9}{4-1}\,8,\ \frac{9}{\frac{4-1}{8}},\ 9\,\frac{8}{4-1},\ \frac{9\times 8}{4-1}\right\}\right\},$$

$$\{\{1, 4, 8, 10\}, \{(1+\mathrm{mod}[10, 4])\,8,\ \mathrm{mod}[1+10, 4]\,8,\ (4-1)\,\mathrm{mod}[8, 10],\ \mathrm{mod}[4-1, 10]\,8,\ (4-\mathrm{mod}[1, 10])\,8,\ \left(4-1^{10}\right)\,8,\ (4-\mathrm{root}[1, 10])\,8,\ (\mathrm{mod}[4, 10]-1)\,8,\ 8\,(1+\mathrm{mod}[10, 4]),\ 8\,\mathrm{mod}[1+10, 4],\ 8\,\mathrm{mod}[4-1, 10],\ 8\,(4-\mathrm{mod}[1, 10]),\ 8\,\left(4-1^{10}\right),\ 8\,(4-\mathrm{root}[1, 10]),\ 8\,(\mathrm{mod}[4, 10]-1),\ 8\,\mathrm{mod}[10+1, 4],\ 8\,(\mathrm{mod}[10, 4]+1),\ \mathrm{mod}[8, 10]\,(4-1),\ \mathrm{mod}[10+1, 4]\,8,\ (\mathrm{mod}[10, 4]+1)\,8\}\},\ \{\{1, 4, 9, 9\}, \{\}\},$$

$$\{\{1, 4, 9, 10\}, \{((1+4)+9)+10,\ (1+(4+9))+10,\ (1+4)+(9+10),\ 1+((4+9)+10),\ 1+(4+(9+10)),\ ((1+4)+10)+9,\ (1+(4+10))+9,\ (1+4)+(10+9),\ 1+((4+10)+9),\ 1+(4+(10+9)),\ ((1+9)+4)+10,\ (1+(9+4))+10,\ (1+9)+(4+10),\ 1+((9+4)+10),\ 1+(9+(4+10)),\ ((1+9)+10)+4,\ (1+(9+10))+4,\ (1+9)+(10+4),\ 1+((9+10)+4),\ 1+(9+(10+4)),\ ((1+10)+4)+9,\ (1+(10+4))+9,\ (1+10)+(4+9),\ 1+((10+4)+9),\ 1+(10+(4+9)),\ ((1+10)+9)+4,\ (1+(10+9))+4,\ (1+10)+(9+4),\ 1+((10+9)+4),\ 1+(10+(9+4)),\ ((4+1)+9)+10,\ (4+(1+9))+10,\ (4+1)+(9+10),\ 4+((1+9)+10),\ 4+(1+(9+10)),\ ((4+1)+10)+9,$$

$$(4+(1+10))+9,\ (4+1)+(10+9),\ 4+((1+10)+9),\ 4+(1+(10+9)),\ ((4+9)+1)+10,$$
$$(4+(9+1))+10,\ (4+9)+(1+10),\ 4+((9+1)+10),\ 4+(9+(1+10)),\ ((4+9)+10)+1,$$
$$(4+(9+10))+1,\ (4+9)+(10+1),\ 4+((9+10)+1),\ 4+(9+(10+1)),\ ((4+10)+1)+9,$$
$$(4+(10+1))+9,\ (4+10)+(1+9),\ 4+((10+1)+9),\ 4+(10+(1+9)),\ ((4+10)+9)+1,$$
$$(4+(10+9))+1,\ (4+10)+(9+1),\ 4+((10+9)+1),\ 4+(10+(9+1)),\ ((9+1)+4)+10,$$
$$(9+(1+4))+10,\ (9+1)+(4+10),\ 9+((1+4)+10),\ 9+(1+(4+10)),\ ((9+1)+10)+4,$$
$$(9+(1+10))+4,\ (9+1)+(10+4),\ 9+((1+10)+4),\ 9+(1+(10+4)),\ ((9+4)+1)+10,$$
$$(9+(4+1))+10,\ (9+4)+(1+10),\ 9+((4+1)+10),\ 9+(4+(1+10)),\ ((9+4)+10)+1,$$
$$(9+(4+10))+1,\ (9+4)+(10+1),\ 9+((4+10)+1),\ 9+(4+(10+1)),\ ((9+10)+1)+4,$$
$$(9+(10+1))+4,\ (9+10)+(1+4),\ 9+((10+1)+4),\ 9+(10+(1+4)),\ ((9+10)+4)+1,$$
$$(9+(10+4))+1,\ (9+10)+(4+1),\ 9+((10+4)+1),\ 9+(10+(4+1)),\ ((10+1)+4)+9,$$
$$(10+(1+4))+9,\ (10+1)+(4+9),\ 10+((1+4)+9),\ 10+(1+(4+9)),\ ((10+1)+9)+4,$$
$$(10+(1+9))+4,\ (10+1)+(9+4),\ 10+((1+9)+4),\ 10+(1+(9+4)),\ ((10+4)+1)+9,$$
$$(10+(4+1))+9,\ (10+4)+(1+9),\ 10+((4+1)+9),\ 10+(4+(1+9)),\ ((10+4)+9)+1,$$
$$(10+(4+9))+1,\ (10+4)+(9+1),\ 10+((4+9)+1),\ 10+(4+(9+1)),\ ((10+9)+1)+4,$$
$$(10+(9+1))+4,\ (10+9)+(1+4),\ 10+((9+1)+4),\ 10+(9+(1+4)),\ ((10+9)+4)+1,$$
$$(10+(9+4))+1,\ (10+9)+(4+1),\ 10+((9+4)+1),\ 10+(9+(4+1))\}\},$$

$$\Big\{\{1,4,10,10\},\ \Big\{1\,((4+10)+10),\ 1\,(4+10)+10,\ (1\times 4+10)+10,\ 1\,(4+(10+10)),$$
$$1\times 4+(10+10),\ 1\,((10+4)+10),\ 1\,(10+4)+10,\ (1\times 10+4)+10,\ 1\,(10+(4+10)),$$
$$1\times 10+(4+10),\ 1\,((10+10)+4),\ 1\,(10+10)+4,\ (1\times 10+10)+4,\ 1\,(10+(10+4)),$$
$$1\times 10+(10+4),\ (4\times 1+10)+10,\ \left(\frac{4}{1}+10\right)+10,\ \left(4^1+10\right)+10,\ (\text{root}[4,1]+10)+10,$$
$$(4+1\times 10)+10,\ 4\times 1+(10+10),\ \frac{4}{1}+(10+10),\ 4^1+(10+10),\ \text{root}[4,1]+(10+10),$$
$$4+1\,(10+10),\ 4+(1\times 10+10),\ (4+10)\,1+10,\ (4+10\times 1)+10,\ \left(4+\frac{10}{1}\right)+10,\ \frac{4+10}{1}+10,$$
$$\left(4+10^1\right)+10,\ (4+10)^1+10,\ (4+\text{root}[10,1])+10,\ \text{root}[4+10,1]+10,\ (4+10)+1\times 10,$$
$$4+(10\times 1+10),\ 4+\left(\frac{10}{1}+10\right),\ 4+\left(10^1+10\right),\ 4+(\text{root}[10,1]+10),\ 4+(10+1\times 10),$$
$$((4+10)+10)\,1,\ (4+(10+10))\,1,\ (4+10)+10\times 1,\ 4+(10+10)\,1,\ 4+(10+10\times 1),$$
$$(4+10)+\frac{10}{1},\ 4+\left(10+\frac{10}{1}\right),\ 4+\frac{10+10}{1},\ \frac{(4+10)+10}{1},\ \frac{4+(10+10)}{1},\ (4+10)+10^1,$$
$$4+\left(10+10^1\right),\ 4+(10+10)^1,\ ((4+10)+10)^1,\ (4+(10+10))^1,\ (4+10)+\text{root}[10,1],$$
$$4+(10+\text{root}[10,1]),\ 4+\text{root}[10+10,1],\ \text{root}[(4+10)+10,1],\ \text{root}[4+(10+10),1],$$
$$(10\times 1+4)+10,\ \left(\frac{10}{1}+4\right)+10,\ \left(10^1+4\right)+10,\ (\text{root}[10,1]+4)+10,\ (10+1\times 4)+10,$$
$$10\times 1+(4+10),\ \frac{10}{1}+(4+10),\ 10^1+(4+10),\ \text{root}[10,1]+(4+10),\ 10+1\,(4+10),$$
$$10+(1\times 4+10),\ (10\times 1+10)+4,\ \left(\frac{10}{1}+10\right)+4,\ \left(10^1+10\right)+4,\ (\text{root}[10,1]+10)+4,$$
$$(10+1\times 10)+4,\ 10\times 1+(10+4),\ \frac{10}{1}+(10+4),\ 10^1+(10+4),\ \text{root}[10,1]+(10+4),$$
$$10+1\,(10+4),\ 10+(1\times 10+4),\ (10+4)\,1+10,\ (10+4\times 1)+10,\ \left(10+\frac{4}{1}\right)+10,\ \frac{10+4}{1}+10,$$
$$\left(10+4^1\right)+10,\ (10+4)^1+10,\ (10+\text{root}[4,1])+10,\ \text{root}[10+4,1]+10,\ (10+4)+1\times 10,$$
$$10+(4\times 1+10),\ 10+\left(\frac{4}{1}+10\right),\ 10+\left(4^1+10\right),\ 10+(\text{root}[4,1]+10),\ 10+(4+1\times 10),$$
$$((10+4)+10)\,1,\ (10+(4+10))\,1,\ (10+4)+10\times 1,\ 10+(4+10)\,1,\ 10+(4+10\times 1),$$
$$(10+4)+\frac{10}{1},\ 10+\left(4+\frac{10}{1}\right),\ 10+\frac{4+10}{1},\ \frac{(10+4)+10}{1},\ \frac{10+(4+10)}{1},\ (10+4)+10^1,$$
$$10+\left(4+10^1\right),\ 10+(4+10)^1,\ ((10+4)+10)^1,\ (10+(4+10))^1,\ (10+4)+\text{root}[10,1],$$

$$10 + (4 + \text{root}[10, 1]),\ 10 + \text{root}[4 + 10, 1],\ \text{root}[(10 + 4) + 10, 1],\ \text{root}[10 + (4 + 10), 1],$$
$$\frac{10}{4}\,10 - 1,\ \frac{10}{\frac{4}{10}} - 1,\ (10 + 10)\,1 + 4,\ (10 + 10 \times 1) + 4,\ \left(10 + \frac{10}{1}\right) + 4,\ \frac{10 + 10}{1} + 4,\ \left(10 + 10^1\right) + 4,$$
$$(10 + 10)^1 + 4,\ (10 + \text{root}[10, 1]) + 4,\ \text{root}[10 + 10, 1] + 4,\ (10 + 10) + 1 \times 4,\ 10 + (10 \times 1 + 4),$$
$$10 + \left(\frac{10}{1} + 4\right),\ 10 + \left(10^1 + 4\right),\ 10 + (\text{root}[10, 1] + 4),\ 10 + (10 + 1 \times 4),\ ((10 + 10) + 4)\,1,$$
$$(10 + (10 + 4))\,1,\ (10 + 10) + 4 \times 1,\ 10 + (10 + 4)\,1,\ 10 + (10 + 4 \times 1),\ (10 + 10) + \frac{4}{1},$$
$$10 + \left(10 + \frac{4}{1}\right),\ 10 + \frac{10 + 4}{1},\ \frac{(10 + 10) + 4}{1},\ \frac{10 + (10 + 4)}{1},\ (10 + 10) + 4^1,\ 10 + \left(10 + 4^1\right),$$
$$10 + (10 + 4)^1,\ ((10 + 10) + 4)^1,\ (10 + (10 + 4))^1,\ (10 + 10) + \text{root}[4, 1],\ 10 + (10 + \text{root}[4, 1]),$$
$$10 + \text{root}[10 + 4, 1],\ \text{root}[(10 + 10) + 4, 1],\ \text{root}[10 + (10 + 4), 1],\ 10 \times \frac{10}{4} - 1,\ \frac{10 \times 10}{4} - 1\Big\}\Big\},$$

$$\Big\{\{1, 5, 5, 5\},\ \Big\{\left(5 - \frac{1}{5}\right)\,5,\ 5\left(5 - \frac{1}{5}\right),\ 5 \times 5 - \text{mod}[1, 5],\ 5 \times 5 - 1^5,\ 5 \times 5 - \text{root}[1, 5]\Big\}\Big\},$$

$$\Big\{\{1, 5, 5, 6\},\ \Big\{(1 + 5)\,5 - 6,\ \text{mod}[5 - 1, 5]\,6,\ (5 - \text{mod}[1, 5])\,6,\ \left(5 - 1^5\right)\,6,$$
$$(5 - \text{root}[1, 5])\,6,\ (5 + 1)\,5 - 6,\ 5\,(1 + 5) - 6,\ 5 \times 5 - \text{mod}[1, 6],\ 5 \times 5 - 1^6,$$
$$5 \times 5 - \text{root}[1, 6],\ 5\,(5 + 1) - 6,\ 5\,\text{mod}[5, 6] - 1,\ 5 \times 6 - (1 + 5),\ (5 \times 6 - 1) - 5,$$
$$\text{mod}[5, 6]\,5 - 1,\ 5 \times 6 - (5 + 1),\ (5 \times 6 - 5) - 1,\ 6\,\text{mod}[5 - 1, 5],\ 6\,(5 - \text{mod}[1, 5]),\ 6\left(5 - 1^5\right),$$
$$6\,(5 - \text{root}[1, 5]),\ 6 \times 5 - (1 + 5),\ (6 \times 5 - 1) - 5,\ 6 \times 5 - (5 + 1),\ (6 \times 5 - 5) - 1\Big\}\Big\},$$

$$\Big\{\{1, 5, 5, 7\},\ \Big\{5 \times 5 - \text{mod}[1, 7],\ 5 \times 5 - 1^7,\ 5 \times 5 - \text{root}[1, 7],$$
$$5\,\text{mod}[5, 7] - 1,\ \text{mod}[5, 7]\,5 - 1,\ 5^{\text{mod}[7,5]} - 1,\ 5^{7-5} - 1\Big\}\Big\},$$

$$\Big\{\{1, 5, 5, 8\},\ \Big\{5 \times 5 - \text{mod}[1, 8],\ 5 \times 5 - 1^8,\ 5 \times 5 - \text{root}[1, 8],\ 5\,\text{mod}[5, 8] - 1,\ \text{mod}[5, 8]\,5 - 1\Big\}\Big\},$$

$$\Big\{\{1, 5, 5, 9\},\ \Big\{(1 + 5)\,\text{mod}[9, 5],\ (1 + 5)\,(9 - 5),\ (5 + 1)\,\text{mod}[9, 5],\ (5 + 1)\,(9 - 5),$$
$$5 \times 5 - \text{mod}[1, 9],\ 5 \times 5 - 1^9,\ 5 \times 5 - \text{root}[1, 9],\ 5\,\text{mod}[5, 9] - 1,\ \text{mod}[5, 9]\,5 - 1,$$
$$\text{mod}[9, 5]\,(1 + 5),\ (9 - 5)\,(1 + 5),\ \text{mod}[9, 5]\,(5 + 1),\ (9 - 5)\,(5 + 1)\Big\}\Big\},$$

$$\Big\{\{1, 5, 5, 10\},\ \Big\{5 \times 5 - \text{mod}[1, 10],\ 5 \times 5 - 1^{10},\ 5 \times 5 - \text{root}[1, 10],\ 5\,\text{mod}[5, 10] - 1,$$
$$\text{root}[5, 5]^{10} - 1,\ \text{mod}[5, 10]\,5 - 1,\ 5^{\frac{10}{5}} - 1,\ \text{root}\left[5^{10}, 5\right] - 1,\ 5\,(10 - 5) - 1,\ (10 - 5)\,5 - 1\Big\}\Big\},$$

$$\Big\{\{1, 5, 6, 6\},\ \Big\{1\,(5 \times 6 - 6),\ 5 \times 6 - 6,\ 5 \times 6 - 6,\ 1\,(6 \times 5 - 6),\ 6 \times 5 - 6,\ 6 \times 5 - 6,\ \text{mod}[5 - 1, 6]\,6,$$
$$(5 - \text{mod}[1, 6])\,6,\ \left(5 - 1^6\right)\,6,\ (5 - \text{root}[1, 6])\,6,\ 5 \times 6 - 6,\ \frac{5}{1}\,6 - 6,\ 5^1\,6 - 6,\ \text{root}[5, 1]\,6 - 6,$$
$$5 \times 6 - 6,\ \frac{5}{\frac{1}{6}} - 6,\ (\text{mod}[5, 6] - 1)\,6,\ 5 \times 6 - 6,\ 5 \times 6 - 1 \times 6,\ 5 \times 6 - 6,\ 5 \times \frac{6}{1} - 6,\ \frac{5 \times 6}{1} - 6,$$
$$5 \times 6^1 - 6,\ (5 \times 6)^1 - 6,\ 5\,\text{root}[6, 1] - 6,\ \text{root}[5 \times 6, 1] - 6,\ (5 \times 6 - 6)\,1,\ \frac{5 \times 6 - 6}{1},$$
$$(5 \times 6 - 6)^1,\ \text{root}[5 \times 6 - 6, 1],\ 5 \times 6 - 6 \times 1,\ 5 \times 6 - \frac{6}{1},\ 5 \times 6 - 6^1,\ 5 \times 6 - \text{root}[6, 1],\ 6 \times 5 - 6,$$
$$\frac{6}{1}\,5 - 6,\ 6^1\,5 - 6,\ \text{root}[6, 1]\,5 - 6,\ 6 \times 5 - 6,\ \frac{6}{\frac{1}{5}} - 6,\ 6\,\text{mod}[5 - 1, 6],\ 6\,(5 - \text{mod}[1, 6]),$$
$$6\left(5 - 1^6\right),\ 6\,(5 - \text{root}[1, 6]),\ 6 \times 5 - 6,\ 6 \times 5 - 1 \times 6,\ 6 \times 5 - 6,\ 6 \times \frac{5}{1} - 6,\ \frac{6 \times 5}{1} - 6,\ 6 \times 5^1 - 6,$$
$$(6 \times 5)^1 - 6,\ 6\,\text{root}[5, 1] - 6,\ \text{root}[6 \times 5, 1] - 6,\ (6 \times 5 - 6)\,1,\ \frac{6 \times 5 - 6}{1},\ (6 \times 5 - 6)^1,$$

$$\text{root}[6\times5-6,1],\ 6\times5-6\times1,\ 6\times5-\frac{6}{1},\ 6\times5-6^1,\ 6\times5-\text{root}[6,1],\ 6\,(\text{mod}[5,6]-1)\Big\}\Big\},$$

$$\Big\{\{1,5,6,7\},\ \Big\{1+(5\times6-7),\ (1+5\times6)-7,\ 1+(6\times5-7),\ (1+6\times5)-7,\ (1-7)+5\times6,$$
$$1-(7-5\times6),\ (1-7)+6\times5,\ 1-(7-6\times5),\ (5-1)\,\text{mod}[6,7],\ \text{mod}[5-1,7]\,6,$$
$$(5-\text{mod}[1,7])\,6,\ \left(5-1^7\right)6,\ (5-\text{root}[1,7])\,6,\ 5\times6+(1-7),\ (5\times6+1)-7,$$
$$(5\times6-7)+1,\ 5\times6-(7-1),\ (\text{mod}[5,7]-1)\,6,\ 5\,(7-1)-6,\ 6\,\text{mod}[5-1,7],$$
$$6\times5+(1-7),\ 6\,(5-\text{mod}[1,7]),\ 6\,\left(5-1^7\right),\ 6\,(5-\text{root}[1,7]),\ (6\times5+1)-7,$$
$$(6\times5-7)+1,\ 6\times5-(7-1),\ 6\,(\text{mod}[5,7]-1),\ \text{mod}[6,7]\,(5-1),\ (7-1)\,5-6\Big\}\Big\},$$

$$\Big\{\{1,5,6,8\},\ \Big\{((1-5)+8)\,6,\ (1-(5-8))\,6,\ (1+\text{mod}[8,5])\,6,\ \text{mod}[1+8,5]\,6,$$
$$(1+(8-5))\,6,\ ((1+8)-5)\,6,\ (5-1)\,\text{mod}[6,8],\ \text{mod}[5-1,8]\,6,\ (5-\text{mod}[1,8])\,6,$$
$$\left(5-1^8\right)6,\ (5-\text{root}[1,8])\,6,\ (\text{mod}[5,8]-1)\,6,\ 5^{\text{mod}[8,6]}-1,\ 5^{8-6}-1,$$
$$6\,((1-5)+8),\ 6\,(1-(5-8)),\ 6\,(1+\text{mod}[8,5]),\ 6\,\text{mod}[1+8,5],\ 6\,(1+(8-5)),$$
$$6\,((1+8)-5),\ 6\,\text{mod}[5-1,8],\ 6\,(5-\text{mod}[1,8]),\ 6\,\left(5-1^8\right),\ 6\,(5-\text{root}[1,8]),$$
$$6\,(\text{mod}[5,8]-1),\ 6\,\text{mod}[8+1,5],\ 6\,(8+(1-5)),\ 6\,((8+1)-5),\ 6\,(\text{mod}[8,5]+1),$$
$$6\,((8-5)+1),\ \text{mod}[6,8]\,(5-1),\ 6\,(8-(5-1)),\ \text{mod}[8+1,5]\,6,\ (8+(1-5))\,6,$$
$$((8+1)-5)\,6,\ (\text{mod}[8,5]+1)\,6,\ ((8-5)+1)\,6,\ (8-(5-1))\,6\Big\}\Big\},$$

$$\Big\{\{1,5,6,9\},\ \Big\{6\,\text{mod}[9,5],\ 6\,\text{mod}[9,5],\ 6\,(9-5),\ 6\,(9-5),\ \text{mod}[9,5]\,6,\ \text{mod}[1\times9,5]\,6,$$
$$(9-5)\,6,\ (1\times9-5)\,6,\ \text{mod}[9,5]\,6,\ (9-5)\,6,\ (5-1)\,\text{mod}[6,9],\ \text{mod}[5-1,9]\,6,$$
$$(5-\text{mod}[1,9])\,6,\ \left(5-1^9\right)6,\ (5-\text{root}[1,9])\,6,\ (\text{mod}[5,9]-1)\,6,\ \frac{6}{\frac{1}{\text{mod}[9,5]}},$$
$$\frac{6}{\frac{1}{9-5}},\ 6\,\text{mod}[9,5],\ \frac{6}{1}\,\text{mod}[9,5],\ 6^1\,\text{mod}[9,5],\ \text{root}[6,1]\,\text{mod}[9,5],\ 6\,\text{mod}[9,5],$$
$$6\,\text{mod}[1\times9,5],\ 6\,(9-5),\ \frac{6}{1}\,(9-5),\ 6^1\,(9-5),\ \text{root}[6,1]\,(9-5),\ 6\,(9-5),\ 6\,(1\times9-5),$$
$$6\,\text{mod}[5-1,9],\ 6\,(5-\text{mod}[1,9]),\ 6\,\left(5-1^9\right),\ 6\,(5-\text{root}[1,9]),\ 6\,(\text{mod}[5,9]-1),$$
$$6\,\text{mod}[9,1\times5],\ 6\,\text{mod}[9\times1,5],\ 6\,\text{mod}\left[\frac{9}{1},5\right],\ 6\,\text{mod}\left[9^1,5\right],\ 6\,\text{mod}[\text{root}[9,1],5],$$
$$6\,(9-1\times5),\ 6\,(9\times1-5),\ 6\,\left(\frac{9}{1}-5\right),\ 6\,\left(9^1-5\right),\ 6\,(\text{root}[9,1]-5),\ 6\,\text{mod}[9,5],$$
$$6\,(9-5),\ 6\,\text{mod}[9,5],\ 6\,(9-5),\ 6\,\frac{\text{mod}[9,5]}{1},\ \frac{6\,\text{mod}[9,5]}{1},\ 6\,\frac{9-5}{1},\ \frac{6\,(9-5)}{1},$$
$$6\,\text{mod}[9,5\times1],\ 6\,\text{mod}\left[9,\frac{5}{1}\right],\ 6\,\text{mod}\left[9,5^1\right],\ 6\,\text{mod}[9,\text{root}[5,1]],\ 6\,\text{mod}[9,5]^1,$$
$$(6\,\text{mod}[9,5])^1,\ 6\,(9-5)^1,\ (6\,(9-5))^1,\ 6\,\text{root}[\text{mod}[9,5],1],\ \text{root}[6\,\text{mod}[9,5],1],$$
$$6\,\text{root}[9-5,1],\ \text{root}[6\,(9-5),1],\ \text{mod}[6,9]\,(5-1),\ 6\,(9-5\times1),\ 6\,\left(9-\frac{5}{1}\right),\ 6\,\left(9-5^1\right),$$
$$6\,(9-\text{root}[5,1]),\ \text{mod}[9,1\times5]\,6,\ \text{mod}[9\times1,5]\,6,\ \text{mod}\left[\frac{9}{1},5\right]6,\ \text{mod}\left[9^1,5\right]6,$$
$$\text{mod}[\text{root}[9,1],5]\,6,\ (9-1\times5)\,6,\ (9\times1-5)\,6,\ \left(\frac{9}{1}-5\right)6,\ \left(9^1-5\right)6,\ (\text{root}[9,1]-5)\,6,$$
$$\text{mod}[9,5]\,6,\ (9-5)\,6,\ \frac{\text{mod}[9,5]}{1}\,6,\ \frac{9-5}{1}\,6,\ \text{mod}[9,5\times1]\,6,\ \text{mod}\left[9,\frac{5}{1}\right]6,$$
$$\text{mod}\left[9,5^1\right]6,\ \text{mod}[9,\text{root}[5,1]]\,6,\ \text{mod}[9,5]^1\,6,\ (9-5)^1\,6,\ \text{root}[\text{mod}[9,5],1]\,6,$$
$$\text{root}[9-5,1]\,6,\ (9-5\times1)\,6,\ \left(9-\frac{5}{1}\right)6,\ \left(9-5^1\right)6,\ (9-\text{root}[5,1])\,6,\ \text{mod}[9,5]\,6,$$

$$(9-5)\,6,\ \frac{\text{mod}[9,5]}{\frac{1}{6}},\ \frac{9-5}{\frac{1}{6}},\ \text{mod}[9,5]\,6,\ (9-5)\,6,\ \text{mod}[9,5]\,6,\ (9-5)\,6,\ \text{mod}[9,5]\,\frac{6}{1},$$
$$(9-5)\,\frac{6}{1},\ \frac{\text{mod}[9,5]\,6}{1},\ \frac{(9-5)\,6}{1},\ \text{mod}[9,5]\,6^1,\ (9-5)\,6^1,\ (\text{mod}[9,5]\,6)^1,\ ((9-5)\,6)^1,$$
$$\text{mod}[9,5]\,\text{root}[6,1],\ (9-5)\,\text{root}[6,1],\ \text{root}[\text{mod}[9,5]\,6,1],\ \text{root}[(9-5)\,6,1]\}\},$$
$$\{\{1,5,6,10\},\{(1+5)\,\text{mod}[10,6],\ (1+5)\,(10-6),\ (5-1)\,\text{mod}[6,10],\ \text{mod}[5-1,10]\,6,$$
$$(5-\text{mod}[1,10])\,6,\ \left(5-1^{10}\right)6,\ (5-\text{root}[1,10])\,6,\ (5+1)\,\text{mod}[10,6],\ (5+1)\,(10-6),$$
$$(\text{mod}[5,10]-1)\,6,\ 6\,\text{mod}[5-1,10],\ 6\,(5-\text{mod}[1,10]),\ 6\left(5-1^{10}\right),\ 6\,(5-\text{root}[1,10]),$$
$$6\,(\text{mod}[5,10]-1),\ 6\,\text{mod}[10,1+5],\ 6\,\text{mod}[10-1,5],\ 6\,(10-(1+5)),\ 6\,((10-1)-5),$$
$$6\,\text{mod}[10,5+1],\ \text{mod}[6,10]\,(5-1),\ 6\,(10-(5+1)),\ 6\,((10-5)-1),\ \text{mod}[10,1+5]\,6,$$
$$\text{mod}[10-1,5]\,6,\ (10-(1+5))\,6,\ ((10-1)-5)\,6,\ \text{mod}[10,5+1]\,6,\ (10-(5+1))\,6,$$
$$((10-5)-1)\,6,\ \text{mod}[10,6]\,(1+5),\ (10-6)\,(1+5),\ \text{mod}[10,6]\,(5+1),\ (10-6)\,(5+1)\}\},$$
$$\{\{1,5,7,7\},\{\}\},\ \{\{1,5,7,8\},\{((1-5)+7)\,8,\ (1-(5-7))\,8,\ (1+\text{mod}[7,5])\,8,$$
$$\text{mod}[1+7,5]\,8,\ (1+(7-5))\,8,\ ((1+7)-5)\,8,\ (1+7)\,\text{mod}[8,5],\ (1+7)\,(8-5),$$
$$\text{mod}[7+1,5]\,8,\ (7+(1-5))\,8,\ ((7+1)-5)\,8,\ (7+1)\,\text{mod}[8,5],\ (7+1)\,(8-5),$$
$$(\text{mod}[7,5]+1)\,8,\ ((7-5)+1)\,8,\ \text{mod}[7,5-1]\,8,\ (7-(5-1))\,8,\ 8\,((1-5)+7),\ 8\,(1-(5-7)),$$
$$8\,(1+\text{mod}[7,5]),\ 8\,\text{mod}[1+7,5],\ 8\,(1+(7-5)),\ 8\,((1+7)-5),\ \text{mod}[8,5]\,(1+7),$$
$$(8-5)\,(1+7),\ \text{mod}[8,5]\,(7+1),\ (8-5)\,(7+1),\ 8\,\text{mod}[7+1,5],\ 8\,(7+(1-5)),$$
$$8\,((7+1)-5),\ 8\,(\text{mod}[7,5]+1),\ 8\,((7-5)+1),\ 8\,\text{mod}[7,5-1],\ 8\,(7-(5-1))\}\},$$
$$\{\{1,5,7,9\},\{(1-7)\,(5-9),\ (5-9)\,(1-7),\ 5^{\text{mod}[9,7]}-1,\ 5^{9-7}-1,$$
$$(7-1)\,\text{mod}[9,5],\ (7-1)\,(9-5),\ \text{mod}[9,5]\,(7-1),\ (9-5)\,(7-1)\}\},$$
$$\left\{\{1,5,7,10\},\left\{\left(1+\frac{7}{5}\right)10,\ 5\times7-(1+10),\ (5\times7-1)-10,\ 5\times7-(10+1),\right.\right.$$
$$(5\times7-10)-1,\ \left(\frac{7}{5}+1\right)10,\ 7\times5-(1+10),\ (7\times5-1)-10,$$
$$\left.\left.7\times5-(10+1),\ (7\times5-10)-1,\ 10\left(1+\frac{7}{5}\right),\ 10\left(\frac{7}{5}+1\right)\right\}\right\},$$
$$\{\{1,5,8,8\},\{\text{mod}[8,5]\,8,\ \text{mod}[1\times8,5]\,8,\ (8-5)\,8,\ (1\times8-5)\,8,\ \text{mod}[8,5]\,8,$$
$$(8-5)\,8,\ 8\,\text{mod}[8,5],\ 8\,\text{mod}[8,5],\ 8\,(8-5),\ 8\,(8-5),\ (5-1)\,8-8,\ \text{mod}[8,1\times5]\,8,$$
$$\text{mod}[8\times1,5]\,8,\ \text{mod}\left[\frac{8}{1},5\right]8,\ \text{mod}\left[8^1,5\right]8,\ \text{mod}[\text{root}[8,1],5]\,8,\ (8-1\times5)\,8,$$
$$(8\times1-5)\,8,\ \left(\frac{8}{1}-5\right)8,\ \left(8^1-5\right)8,\ (\text{root}[8,1]-5)\,8,\ \frac{8}{\frac{1}{\text{mod}[8,5]}},\ \frac{8}{\frac{1}{8-5}},\ 8\,\text{mod}[8,5],$$
$$\frac{8}{1}\,\text{mod}[8,5],\ 8^1\,\text{mod}[8,5],\ \text{root}[8,1]\,\text{mod}[8,5],\ 8\,\text{mod}[8,5],\ 8\,\text{mod}[1\times8,5],\ 8\,(8-5),$$
$$\frac{8}{1}\,(8-5),\ 8^1\,(8-5),\ \text{root}[8,1]\,(8-5),\ 8\,(8-5),\ 8\,(1\times8-5),\ \text{mod}[8,5]\,8,\ (8-5)\,8,$$
$$\frac{\text{mod}[8,5]}{1}\,8,\ \frac{8-5}{1}\,8,\ \text{mod}[8,5\times1]\,8,\ \text{mod}\left[8,\frac{5}{1}\right]8,\ \text{mod}\left[8,5^1\right]8,\ \text{mod}[8,\text{root}[5,1]]\,8,$$
$$\text{mod}[8,5]^1\,8,\ (8-5)^1\,8,\ \text{root}[\text{mod}[8,5],1]\,8,\ \text{root}[8-5,1]\,8,\ (8-5\times1)\,8,$$
$$\left(8-\frac{5}{1}\right)8,\ \left(8-5^1\right)8,\ (8-\text{root}[5,1])\,8,\ \text{mod}[8,5]\,8,\ (8-5)\,8,\ \frac{\text{mod}[8,5]}{\frac{1}{8}},\ \frac{8-5}{\frac{1}{8}},$$
$$8\,(5-1)-8,\ \text{mod}[8,5]\,8,\ (8-5)\,8,\ \text{mod}[8,5]\,8,\ (8-5)\,8,\ \text{mod}[8,5]\,\frac{8}{1},\ (8-5)\,\frac{8}{1},$$
$$\frac{\text{mod}[8,5]\,8}{1},\ \frac{(8-5)\,8}{1},\ \text{mod}[8,5]\,8^1,\ (8-5)\,8^1,\ (\text{mod}[8,5]\,8)^1,\ ((8-5)\,8)^1,$$
$$\text{mod}[8,5]\,\text{root}[8,1],\ (8-5)\,\text{root}[8,1],\ \text{root}[\text{mod}[8,5]\,8,1],\ \text{root}[(8-5)\,8,1],$$

$$8\bmod[8,\,1\times5],\ 8\bmod[8\times1,\,5],\ 8\bmod\left[\frac{8}{1},\,5\right],\ 8\bmod\left[8^1,\,5\right],\ 8\bmod[\text{root}[8,\,1],\,5],$$

$$8\,(8-1\times5),\ 8\,(8\times1-5),\ 8\left(\frac{8}{1}-5\right),\ 8\left(8^1-5\right),\ 8\,(\text{root}[8,\,1]-5),\ 8\bmod[8,\,5],\ 8\,(8-5),$$

$$8\bmod[8,\,5],\ 8\,(8-5),\ 8\,\frac{\bmod[8,\,5]}{1},\ \frac{8\bmod[8,\,5]}{1},\ 8\,\frac{8-5}{1},\ \frac{8\,(8-5)}{1},\ 8\bmod[8,\,5\times1],$$

$$8\bmod\left[8,\,\frac{5}{1}\right],\ 8\bmod\left[8,\,5^1\right],\ 8\bmod[8,\,\text{root}[5,\,1]],\ 8\bmod[8,\,5]^1,\ (8\bmod[8,\,5])^1,$$

$$8\,(8-5)^1,\ (8\,(8-5))^1,\ 8\,\text{root}[\bmod[8,\,5],\,1],\ \text{root}[8\bmod[8,\,5],\,1],\ 8\,\text{root}[8-5,\,1],$$

$$\text{root}[8\,(8-5),\,1],\ 8\,(8-5\times1),\ 8\left(8-\frac{5}{1}\right),\ 8\left(8-5^1\right),\ 8\,(8-\text{root}[5,\,1])\Big\}\Big\},$$

$$\Big\{\{1,\,5,\,8,\,9\},\ \Big\{(1-9)\,(5-8),\ (5-8)\,(1-9),\ \bmod[8,\,5]\,(9-1),\ (8-5)\,(9-1),$$

$$8\bmod[9,\,1+5],\ 8\bmod[9-1,\,5],\ 8\,(9-(1+5)),\ 8\,((9-1)-5),\ 8\bmod[9,\,5+1],$$

$$8\,(9-(5+1)),\ 8\,(\bmod[9,\,5]-1),\ 8\,((9-5)-1),\ \bmod[9,\,1+5]\,8,\ \bmod[9-1,\,5]\,8,$$

$$(9-(1+5))\,8,\ ((9-1)-5)\,8,\ \frac{9}{1-\frac{5}{8}},\ (9-1)\bmod[8,\,5],\ (9-1)\,(8-5),$$

$$\bmod[9,\,5+1]\,8,\ (9-(5+1))\,8,\ (\bmod[9,\,5]-1)\,8,\ ((9-5)-1)\,8\Big\}\Big\},$$

$$\Big\{\{1,\,5,\,8,\,10\},\ \Big\{((1+5)+8)+10,\ (1+(5+8))+10,\ (1+5)+(8+10),\ 1+((5+8)+10),$$

$$1+(5+(8+10)),\ ((1+5)+10)+8,\ (1+(5+10))+8,\ (1+5)+(10+8),$$

$$1+((5+10)+8),\ 1+(5+(10+8)),\ ((1+8)+5)+10,\ (1+(8+5))+10,$$

$$(1+8)+(5+10),\ 1+((8+5)+10),\ 1+(8+(5+10)),\ ((1+8)+10)+5,\ (1+(8+10))+5,$$

$$(1+8)+(10+5),\ 1+((8+10)+5),\ 1+(8+(10+5)),\ \left(1+\frac{10}{5}\right)8,\ ((1+10)+5)+8,$$

$$(1+(10+5))+8,\ (1+10)+(5+8),\ 1+((10+5)+8),\ 1+(10+(5+8)),\ ((1+10)+8)+5,$$

$$(1+(10+8))+5,\ (1+10)+(8+5),\ 1+((10+8)+5),\ 1+(10+(8+5)),\ ((5+1)+8)+10,$$

$$(5+(1+8))+10,\ (5+1)+(8+10),\ 5+((1+8)+10),\ 5+(1+(8+10)),\ ((5+1)+10)+8,$$

$$(5+(1+10))+8,\ (5+1)+(10+8),\ 5+((1+10)+8),\ 5+(1+(10+8)),\ ((5+8)+1)+10,$$

$$(5+(8+1))+10,\ (5+8)+(1+10),\ 5+((8+1)+10),\ 5+(8+(1+10)),\ ((5+8)+10)+1,$$

$$(5+(8+10))+1,\ (5+8)+(10+1),\ 5+((8+10)+1),\ 5+(8+(10+1)),\ ((5+10)+1)+8,$$

$$(5+(10+1))+8,\ (5+10)+(1+8),\ 5+((10+1)+8),\ 5+(10+(1+8)),\ ((5+10)+8)+1,$$

$$(5+(10+8))+1,\ (5+10)+(8+1),\ 5+((10+8)+1),\ 5+(10+(8+1)),\ 5^{\bmod[10,8]}-1,$$

$$5^{10-8}-1,\ ((8+1)+5)+10,\ (8+(1+5))+10,\ (8+1)+(5+10),\ 8+((1+5)+10),$$

$$8+(1+(5+10)),\ ((8+1)+10)+5,\ (8+(1+10))+5,\ (8+1)+(10+5),\ 8+((1+10)+5),$$

$$8+(1+(10+5)),\ 8\left(1+\frac{10}{5}\right),\ ((8+5)+1)+10,\ (8+(5+1))+10,\ (8+5)+(1+10),$$

$$8+((5+1)+10),\ 8+(5+(1+10)),\ ((8+5)+10)+1,\ (8+(5+10))+1,\ (8+5)+(10+1),$$

$$8+((5+10)+1),\ 8+(5+(10+1)),\ ((8+10)+1)+5,\ (8+(10+1))+5,\ (8+10)+(1+5),$$

$$8+((10+1)+5),\ 8+(10+(1+5)),\ ((8+10)+5)+1,\ (8+(10+5))+1,\ 8\left(\frac{10}{5}+1\right),$$

$$(8+10)+(5+1),\ 8+((10+5)+1),\ 8+(10+(5+1)),\ ((10+1)+5)+8,\ (10+(1+5))+8,$$

$$(10+1)+(5+8),\ 10+((1+5)+8),\ 10+(1+(5+8)),\ ((10+1)+8)+5,\ (10+(1+8))+5,$$

$$(10+1)+(8+5),\ 10+((1+8)+5),\ 10+(1+(8+5)),\ \left(\frac{10}{5}+1\right)8,\ ((10+5)+1)+8,$$

$$(10+(5+1))+8,\ (10+5)+(1+8),\ 10+((5+1)+8),\ 10+(5+(1+8)),\ ((10+5)+8)+1,$$

$$(10+(5+8))+1,\ (10+5)+(8+1),\ 10+((5+8)+1),\ 10+(5+(8+1)),\ ((10+8)+1)+5,$$

$$(10+(8+1))+5,\ (10+8)+(1+5),\ 10+((8+1)+5),\ 10+(8+(1+5)),\ ((10+8)+5)+1,$$

$$(10+(8+5))+1,\ (10+8)+(5+1),\ 10+((8+5)+1),\ 10+(8+(5+1))\Big\}\Big\},$$

$$\{\{1,\,5,\,9,\,9\},\ \{((1+5)+9)+9,\ (1+(5+9))+9,\ (1+5)+(9+9),\ 1+((5+9)+9),$$

$$1+(5+(9+9)),\ ((1+9)+5)+9,\ (1+(9+5))+9,\ (1+9)+(5+9),$$

$$1+((9+5)+9),\ 1+(9+(5+9)),\ ((1+9)+9)+5,\ (1+(9+9))+5,$$

$$(1+9)+(9+5),\ 1+((9+9)+5),\ 1+(9+(9+5)),\ ((5+1)+9)+9,$$

$$(5+(1+9))+9,\ (5+1)+(9+9),\ 5+((1+9)+9),\ 5+(1+(9+9)),\ ((5+9)+1)+9,$$
$$(5+(9+1))+9,\ (5+9)+(1+9),\ 5+((9+1)+9),\ 5+(9+(1+9)),\ ((5+9)+9)+1,$$
$$(5+(9+9))+1,\ (5+9)+(9+1),\ 5+((9+9)+1),\ 5+(9+(9+1)),\ ((9+1)+5)+9,$$
$$(9+(1+5))+9,\ (9+1)+(5+9),\ 9+((1+5)+9),\ 9+(1+(5+9)),\ ((9+1)+9)+5,$$
$$(9+(1+9))+5,\ (9+1)+(9+5),\ 9+((1+9)+5),\ 9+(1+(9+5)),\ ((9+5)+1)+9,$$
$$(9+(5+1))+9,\ (9+5)+(1+9),\ 9+((5+1)+9),\ 9+(5+(1+9)),\ ((9+5)+9)+1,$$
$$(9+(5+9))+1,\ (9+5)+(9+1),\ 9+((5+9)+1),\ 9+(5+(9+1)),\ ((9+9)+1)+5,$$
$$(9+(9+1))+5,\ (9+9)+(1+5),\ 9+((9+1)+5),\ 9+(9+(1+5)),\ ((9+9)+5)+1,$$
$$(9+(9+5))+1,\ (9+9)+(5+1),\ 9+((9+5)+1),\ 9+(9+(5+1))\}\},$$

$$\{\{1,5,9,10\},\ \{1((5+9)+10),\ 1(5+9)+10,\ (1\times 5+9)+10,\ 1(5+(9+10)),$$
$$1\times 5+(9+10),\ 1((5+10)+9),\ 1(5+10)+9,\ (1\times 5+10)+9,\ 1(5+(10+9)),\ 1\times 5+(10+9),$$
$$1((9+5)+10),\ 1(9+5)+10,\ (1\times 9+5)+10,\ 1(9+(5+10)),\ 1\times 9+(5+10),$$
$$1((9+10)+5),\ 1(9+10)+5,\ (1\times 9+10)+5,\ 1(9+(10+5)),\ 1\times 9+(10+5),$$
$$1((10+5)+9),\ 1(10+5)+9,\ (1\times 10+5)+9,\ 1(10+(5+9)),\ 1\times 10+(5+9),$$
$$1((10+9)+5),\ 1(10+9)+5,\ (1\times 10+9)+5,\ 1(10+(9+5)),\ 1\times 10+(9+5),$$
$$(5\times 1+9)+10,\ \left(\frac{5}{1}+9\right)+10,\ \left(5^1+9\right)+10,\ (\text{root}[5,1]+9)+10,\ (5+1\times 9)+10,$$
$$5\times 1+(9+10),\ \frac{5}{1}+(9+10),\ 5^1+(9+10),\ \text{root}[5,1]+(9+10),\ 5+1(9+10),$$
$$5+(1\times 9+10),\ (5\times 1+10)+9,\ \left(\frac{5}{1}+10\right)+9,\ \left(5^1+10\right)+9,\ (\text{root}[5,1]+10)+9,$$
$$(5+1\times 10)+9,\ 5\times 1+(10+9),\ \frac{5}{1}+(10+9),\ 5^1+(10+9),\ \text{root}[5,1]+(10+9),$$
$$5+1(10+9),\ 5+(1\times 10+9),\ (5+9)1+10,\ (5+9\times 1)+10,\ \left(5+\frac{9}{1}\right)+10,\ \frac{5+9}{1}+10,$$
$$\left(5+9^1\right)+10,\ (5+9)^1+10,\ (5+\text{root}[9,1])+10,\ \text{root}[5+9,1]+10,\ (5+9)+1\times 10,$$
$$5+(9\times 1+10),\ 5+\left(\frac{9}{1}+10\right),\ 5+\left(9^1+10\right),\ 5+(\text{root}[9,1]+10),\ 5+(9+1\times 10),$$
$$((5+9)+10)1,\ (5+(9+10))1,\ (5+9)+10\times 1,\ 5+(9+10)1,\ 5+(9+10\times 1),$$
$$(5+9)+\frac{10}{1},\ 5+\left(9+\frac{10}{1}\right),\ 5+\frac{9+10}{1},\ \frac{(5+9)+10}{1},\ \frac{5+(9+10)}{1},\ (5+9)+10^1,$$
$$5+\left(9+10^1\right),\ 5+(9+10)^1,\ ((5+9)+10)^1,\ (5+(9+10))^1,\ (5+9)+\text{root}[10,1],$$
$$5+(9+\text{root}[10,1]),\ 5+\text{root}[9+10,1],\ \text{root}[(5+9)+10,1],\ \text{root}[5+(9+10),1],$$
$$(5+10)1+9,\ (5+10\times 1)+9,\ \left(5+\frac{10}{1}\right)+9,\ \frac{5+10}{1}+9,\ \left(5+10^1\right)+9,\ (5+10)^1+9,$$
$$(5+\text{root}[10,1])+9,\ \text{root}[5+10,1]+9,\ (5+10)+1\times 9,\ 5+(10\times 1+9),\ 5+\left(\frac{10}{1}+9\right),$$
$$5+\left(10^1+9\right),\ 5+(\text{root}[10,1]+9),\ 5+(10+1\times 9),\ ((5+10)+9)1,\ (5+(10+9))1,$$
$$(5+10)+9\times 1,\ 5+(10+9)1,\ 5+(10+9\times 1),\ (5+10)+\frac{9}{1},\ 5+\left(10+\frac{9}{1}\right),\ 5+\frac{10+9}{1},$$
$$\frac{(5+10)+9}{1},\ \frac{5+(10+9)}{1},\ (5+10)+9^1,\ 5+\left(10+9^1\right),\ 5+(10+9)^1,\ ((5+10)+9)^1,$$
$$(5+(10+9))^1,\ (5+10)+\text{root}[9,1],\ 5+(10+\text{root}[9,1]),\ 5+\text{root}[10+9,1],$$
$$\text{root}[(5+10)+9,1],\ \text{root}[5+(10+9),1],\ (9\times 1+5)+10,\ \left(\frac{9}{1}+5\right)+10,\ \left(9^1+5\right)+10,$$
$$(\text{root}[9,1]+5)+10,\ (9+1\times 5)+10,\ 9\times 1+(5+10),\ \frac{9}{1}+(5+10),\ 9^1+(5+10),$$
$$\text{root}[9,1]+(5+10),\ 9+1(5+10),\ 9+(1\times 5+10),\ (9\times 1+10)+5,\ \left(\frac{9}{1}+10\right)+5,$$

$$\left(9^1+10\right)+5,\ (\text{root}[9,\ 1]+10)+5,\ (9+1\times 10)+5,\ 9\times 1+(10+5),\ \frac{9}{1}+(10+5),$$
$$9^1+(10+5),\ \text{root}[9,\ 1]+(10+5),\ 9+1\ (10+5),\ 9+(1\times 10+5),\ (9+5)\ 1+10,$$
$$(9+5\times 1)+10,\ \left(9+\frac{5}{1}\right)+10,\ \frac{9+5}{1}+10,\ \left(9+5^1\right)+10,\ (9+5)^1+10,\ (9+\text{root}[5,\ 1])+10,$$
$$\text{root}[9+5,\ 1]+10,\ (9+5)+1\times 10,\ 9+(5\times 1+10),\ 9+\left(\frac{5}{1}+10\right),\ 9+\left(5^1+10\right),$$
$$9+(\text{root}[5,\ 1]+10),\ 9+(5+1\times 10),\ ((9+5)+10)\ 1,\ (9+(5+10))\ 1,\ (9+5)+10\times 1,$$
$$9+(5+10)\ 1,\ 9+(5+10\times 1),\ (9+5)+\frac{10}{1},\ 9+\left(5+\frac{10}{1}\right),\ 9+\frac{5+10}{1},\ \frac{(9+5)+10}{1},$$
$$\frac{9+(5+10)}{1},\ (9+5)+10^1,\ 9+\left(5+10^1\right),\ 9+(5+10)^1,\ ((9+5)+10)^1,\ (9+(5+10))^1,$$
$$(9+5)+\text{root}[10,\ 1],\ 9+(5+\text{root}[10,\ 1]),\ 9+\text{root}[5+10,\ 1],\ \text{root}[(9+5)+10,\ 1],$$
$$\text{root}[9+(5+10),\ 1],\ (9+10)\ 1+5,\ (9+10\times 1)+5,\ \left(9+\frac{10}{1}\right)+5,\ \frac{9+10}{1}+5,\ \left(9+10^1\right)+5,$$
$$(9+10)^1+5,\ (9+\text{root}[10,\ 1])+5,\ \text{root}[9+10,\ 1]+5,\ (9+10)+1\times 5,\ 9+(10\times 1+5),$$
$$9+\left(\frac{10}{1}+5\right),\ 9+\left(10^1+5\right),\ 9+(\text{root}[10,\ 1]+5),\ 9+(10+1\times 5),\ ((9+10)+5)\ 1,$$
$$(9+(10+5))\ 1,\ (9+10)+5\times 1,\ 9+(10+5)\ 1,\ 9+(10+5\times 1),\ (9+10)+\frac{5}{1},\ 9+\left(10+\frac{5}{1}\right),$$
$$9+\frac{10+5}{1},\ \frac{(9+10)+5}{1},\ \frac{9+(10+5)}{1},\ (9+10)+5^1,\ 9+\left(10+5^1\right),\ 9+(10+5)^1,\ ((9+10)+5)^1,$$
$$(9+(10+5))^1,\ (9+10)+\text{root}[5,\ 1],\ 9+(10+\text{root}[5,\ 1]),\ 9+\text{root}[10+5,\ 1],$$
$$\text{root}[(9+10)+5,\ 1],\ \text{root}[9+(10+5),\ 1],\ (10\times 1+5)+9,\ \left(\frac{10}{1}+5\right)+9,\ \left(10^1+5\right)+9,$$
$$(\text{root}[10,\ 1]+5)+9,\ (10+1\times 5)+9,\ 10\times 1+(5+9),\ \frac{10}{1}+(5+9),\ 10^1+(5+9),$$
$$\text{root}[10,\ 1]+(5+9),\ 10+1\ (5+9),\ 10+(1\times 5+9),\ (10\times 1+9)+5,\ \left(\frac{10}{1}+9\right)+5,$$
$$\left(10^1+9\right)+5,\ (\text{root}[10,\ 1]+9)+5,\ (10+1\times 9)+5,\ 10\times 1+(9+5),\ \frac{10}{1}+(9+5),$$
$$10^1+(9+5),\ \text{root}[10,\ 1]+(9+5),\ 10+1\ (9+5),\ 10+(1\times 9+5),\ (10+5)\ 1+9,$$
$$(10+5\times 1)+9,\ \left(10+\frac{5}{1}\right)+9,\ \frac{10+5}{1}+9,\ \left(10+5^1\right)+9,\ (10+5)^1+9,\ (10+\text{root}[5,\ 1])+9,$$
$$\text{root}[10+5,\ 1]+9,\ (10+5)+1\times 9,\ 10+(5\times 1+9),\ 10+\left(\frac{5}{1}+9\right),\ 10+\left(5^1+9\right),$$
$$10+(\text{root}[5,\ 1]+9),\ 10+(5+1\times 9),\ ((10+5)+9)\ 1,\ (10+(5+9))\ 1,\ (10+5)+9\times 1,$$
$$10+(5+9)\ 1,\ 10+(5+9\times 1),\ (10+5)+\frac{9}{1},\ 10+\left(5+\frac{9}{1}\right),\ 10+\frac{5+9}{1},\ \frac{(10+5)+9}{1},$$
$$\frac{10+(5+9)}{1},\ (10+5)+9^1,\ 10+\left(5+9^1\right),\ 10+(5+9)^1,\ ((10+5)+9)^1,\ (10+(5+9))^1,$$
$$(10+5)+\text{root}[9,\ 1],\ 10+(5+\text{root}[9,\ 1]),\ 10+\text{root}[5+9,\ 1],\ \text{root}[(10+5)+9,\ 1],$$
$$\text{root}[10+(5+9),\ 1],\ (10+9)\ 1+5,\ (10+9\times 1)+5,\ \left(10+\frac{9}{1}\right)+5,\ \frac{10+9}{1}+5,$$
$$\left(10+9^1\right)+5,\ (10+9)^1+5,\ (10+\text{root}[9,\ 1])+5,\ \text{root}[10+9,\ 1]+5,\ (10+9)+1\times 5,$$
$$10+(9\times 1+5),\ 10+\left(\frac{9}{1}+5\right),\ 10+\left(9^1+5\right),\ 10+(\text{root}[9,\ 1]+5),\ 10+(9+1\times 5),$$

$$((10+9)+5)\,1,\ (10+(9+5))\,1,\ (10+9)+5\times 1,\ 10+(9+5)\,1,\ 10+(9+5\times 1),$$
$$(10+9)+\frac{5}{1},\ 10+\left(9+\frac{5}{1}\right),\ 10+\frac{9+5}{1},\ \frac{(10+9)+5}{1},\ \frac{10+(9+5)}{1},\ (10+9)+5^1,$$
$$10+\left(9+5^1\right),\ 10+(9+5)^1,\ ((10+9)+5)^1,\ (10+(9+5))^1,\ (10+9)+\text{root}[5,1],$$
$$10+(9+\text{root}[5,1]),\ 10+\text{root}[9+5,1],\ \text{root}[(10+9)+5,1],\ \text{root}[10+(9+5),1]\Big\}\Big\},$$
$$\{\{1,5,10,10\},\{((5-1)+10)+10,\ (5-(1-10))+10,\ (5-1)+(10+10),\ 5-(1-(10+10)),$$
$$5-((1-10)-10),\ (5+(10-1))+10,\ ((5+10)-1)+10,\ 5+((10-1)+10),\ 5+(10-(1-10)),$$
$$(5+10)-(1-10),\ (5+10)+(10-1),\ 5+(10+(10-1)),\ 5+((10+10)-1),$$
$$((5+10)+10)-1,\ (5+(10+10))-1,\ ((10-1)+5)+10,\ (10-(1-5))+10,$$
$$(10-1)+(5+10),\ 10-(1-(5+10)),\ 10-((1-5)-10),\ ((10-1)+10)+5,$$
$$(10-(1-10))+5,\ (10-1)+(10+5),\ 10-(1-(10+5)),\ 10-((1-10)-5),$$
$$(10+(5-1))+10,\ ((10+5)-1)+10,\ 10+((5-1)+10),\ 10+(5-(1-10)),$$
$$(10+5)-(1-10),\ (10+5)+(10-1),\ 10+(5+(10-1)),\ 10+((5+10)-1),$$
$$((10+5)+10)-1,\ (10+(5+10))-1,\ (10+(10-1))+5,\ ((10+10)-1)+5,$$
$$10+((10-1)+5),\ 10+(10-(1-5)),\ (10+10)-(1-5),\ (10+10)+(5-1),$$
$$10+(10+(5-1)),\ 10+((10+5)-1),\ ((10+10)+5)-1,\ (10+(10+5))-1\}\},$$
$$\{\{1,6,6,6\},\{(6-1)\,6-6,\ 6\,(6-1)-6\}\},\ \{\{1,6,6,7\},\{\}\},$$
$$\left\{\{1,6,6,8\},\left\{\frac{6}{1-\frac{6}{8}}\right\}\right\},$$
$$\{\{1,6,6,9\},\{((1-6)+9)\,6,\ (1-(6-9))\,6,\ (1+\text{mod}[9,6])\,6,\ \text{mod}[1+9,6]\,6,\ (1+(9-6))\,6,$$
$$((1+9)-6)\,6,\ 6\,((1-6)+9),\ 6\,(1-(6-9)),\ 6\,(1+\text{mod}[9,6]),\ 6\,\text{mod}[1+9,6],\ 6\,(1+(9-6)),$$
$$6\,((1+9)-6),\ 6\,\text{mod}[9+1,6],\ 6\,(9+(1-6)),\ 6\,((9+1)-6),\ 6\,(\text{mod}[9,6]+1),$$
$$6\,((9-6)+1),\ 6\,\text{mod}[9,6-1],\ 6\,(9-(6-1)),\ \text{mod}[9+1,6]\,6,\ (9+(1-6))\,6,$$
$$((9+1)-6)\,6,\ (\text{mod}[9,6]+1)\,6,\ ((9-6)+1)\,6,\ \text{mod}[9,6-1]\,6,\ (9-(6-1))\,6\}\},$$
$$\Big\{\{1,6,6,10\},\Big\{6\,\text{mod}[10,6],\ 6\,\text{mod}[10,6],\ 6\,(10-6),\ 6\,(10-6),\ \text{mod}[10,6]\,6,$$
$$\text{mod}[1\times 10,6]\,6,\ (10-6)\,6,\ (1\times 10-6)\,6,\ \text{mod}[10,6]\,6,\ (10-6)\,6,\ \frac{6}{\frac{1}{\text{mod}[10,6]}},\ \frac{6}{\frac{1}{10-6}},$$
$$6\,\text{mod}[10,6],\ \frac{6}{1}\,\text{mod}[10,6],\ 6^1\,\text{mod}[10,6],\ \text{root}[6,1]\,\text{mod}[10,6],\ 6\,\text{mod}[10,6],$$
$$6\,\text{mod}[1\times 10,6],\ 6\,(10-6),\ \frac{6}{1}\,(10-6),\ 6^1\,(10-6),\ \text{root}[6,1]\,(10-6),\ 6\,(10-6),$$
$$6\,(1\times 10-6),\ 6\,\text{mod}[10,1\times 6],\ 6\,\text{mod}[10\times 1,6],\ 6\,\text{mod}\left[\frac{10}{1},6\right],\ 6\,\text{mod}\left[10^1,6\right],$$
$$6\,\text{mod}[\text{root}[10,1],6],\ 6\,(10-1\times 6),\ 6\,(10\times 1-6),\ 6\left(\frac{10}{1}-6\right),\ 6\left(10^1-6\right),$$
$$6\,(\text{root}[10,1]-6),\ 6\,\text{mod}[10,6],\ 6\,(10-6),\ 6\,\text{mod}[10,6],\ 6\,(10-6),\ 6\,\frac{\text{mod}[10,6]}{1},$$
$$\frac{6\,\text{mod}[10,6]}{1},\ 6\,\frac{10-6}{1},\ \frac{6\,(10-6)}{1},\ 6\,\text{mod}[10,6\times 1],\ 6\,\text{mod}\left[10,\frac{6}{1}\right],\ 6\,\text{mod}\left[10,6^1\right],$$
$$6\,\text{mod}[10,\text{root}[6,1]],\ 6\,\text{mod}[10,6]^1,\ (6\,\text{mod}[10,6])^1,\ 6\,(10-6)^1,\ (6\,(10-6))^1,$$
$$6\,\text{root}[\text{mod}[10,6],1],\ \text{root}[6\,\text{mod}[10,6],1],\ 6\,\text{root}[10-6,1],\ \text{root}[6\,(10-6),1],$$
$$6\,(10-6\times 1),\ 6\left(10-\frac{6}{1}\right),\ 6\left(10-6^1\right),\ 6\,(10-\text{root}[6,1]),\ \text{mod}[10,1\times 6]\,6,\ \text{mod}[10\times 1,6]\,6,$$
$$\text{mod}\left[\frac{10}{1},6\right]\,6,\ \text{mod}\left[10^1,6\right]\,6,\ \text{mod}[\text{root}[10,1],6]\,6,\ (10-1\times 6)\,6,\ (10\times 1-6)\,6,$$
$$\left(\frac{10}{1}-6\right)\,6,\ \left(10^1-6\right)\,6,\ (\text{root}[10,1]-6)\,6,\ \text{mod}[10,6]\,6,\ (10-6)\,6,\ \frac{\text{mod}[10,6]}{1}\,6,$$
$$\frac{10-6}{1}\,6,\ \text{mod}[10,6\times 1]\,6,\ \text{mod}\left[10,\frac{6}{1}\right]\,6,\ \text{mod}\left[10,6^1\right]\,6,\ \text{mod}[10,\text{root}[6,1]]\,6,$$

$$\text{mod}[10,\,6]^{1}\,6,\ (10-6)^{1}\,6,\ \text{root}[\text{mod}[10,\,6],\,1]\,6,\ \text{root}[10-6,\,1]\,6,\ (10-6\times 1)\,6,$$

$$\left(10-\frac{6}{1}\right)\,6,\ \left(10-6^{1}\right)\,6,\ (10-\text{root}[6,\,1])\,6,\ \text{mod}[10,\,6]\,6,\ (10-6)\,6,\ \frac{\text{mod}[10,\,6]}{\frac{1}{6}},$$

$$\frac{10-6}{\frac{1}{6}},\ \text{mod}[10,\,6]\,6,\ (10-6)\,6,\ \text{mod}[10,\,6]\,6,\ (10-6)\,6,\ \text{mod}[10,\,6]\,\frac{6}{1},\ (10-6)\,\frac{6}{1},$$

$$\frac{\text{mod}[10,\,6]\,6}{1},\ \frac{(10-6)\,6}{1},\ \text{mod}[10,\,6]\,6^{1},\ (10-6)\,6^{1},\ (\text{mod}[10,\,6]\,6)^{1},\ ((10-6)\,6)^{1},$$

$$\text{mod}[10,\,6]\,\text{root}[6,\,1],\ (10-6)\,\text{root}[6,\,1],\ \text{root}[\text{mod}[10,\,6]\,6,\,1],\ \text{root}[(10-6)\,6,\,1]\Big\}\Big\},$$

$$\{\{1,\,6,\,7,\,7\},\ \{\}\},\ \{\{1,\,6,\,7,\,8\},\ \{\}\},\ \{\{1,\,6,\,7,\,9\},$$
$$\{(1+7)\,\text{mod}[9,\,6],\ (1+7)\,(9-6),\ (7+1)\,\text{mod}[9,\,6],\ (7+1)\,(9-6),$$
$$\text{mod}[9,\,6]\,(1+7),\ (9-6)\,(1+7),\ \text{mod}[9,\,6]\,(7+1),\ (9-6)\,(7+1)\}\},$$

$$\{\{1,\,6,\,7,\,10\},\ \{((1+6)+7)+10,\ (1+(6+7))+10,\ (1+6)+(7+10),\ 1+((6+7)+10),$$
$$1+(6+(7+10)),\ ((1+6)+10)+7,\ (1+(6+10))+7,\ (1+6)+(10+7),$$
$$1+((6+10)+7),\ 1+(6+(10+7)),\ ((1+7)+6)+10,\ (1+(7+6))+10,\ (1+7)+(6+10),$$
$$1+((7+6)+10),\ 1+(7+(6+10)),\ (1-7)\,(6-10),\ ((1-7)+10)\,6,\ (1-(7-10))\,6,$$
$$((1+7)+10)+6,\ (1+(7+10))+6,\ (1+7)+(10+6),\ 1+((7+10)+6),\ 1+(7+(10+6)),$$
$$((1+10)+6)+7,\ (1+(10+6))+7,\ (1+10)+(6+7),\ 1+((10+6)+7),\ 1+(10+(6+7)),$$
$$(1+\text{mod}[10,\,7])\,6,\ \text{mod}[1+10,\,7]\,6,\ (1+(10-7))\,6,\ ((1+10)-7)\,6,\ ((1+10)+7)+6,$$
$$(1+(10+7))+6,\ (1+10)+(7+6),\ 1+((10+7)+6),\ 1+(10+(7+6)),\ ((6+1)+7)+10,$$
$$(6+(1+7))+10,\ 6\,((1-7)+10),\ (6+1)+(7+10),\ 6+((1+7)+10),\ 6+(1+(7+10)),$$
$$6\,(1-(7-10)),\ ((6+1)+10)+7,\ (6+(1+10))+7,\ (6+1)+(10+7),\ 6+((1+10)+7),$$
$$6+(1+(10+7)),\ 6\,(1+\text{mod}[10,\,7]),\ 6\,\text{mod}[1+10,\,7],\ 6\,(1+(10-7)),\ 6\,((1+10)-7),$$
$$((6+7)+1)+10,\ (6+(7+1))+10,\ (6+7)+(1+10),\ 6+((7+1)+10),\ 6+(7+(1+10)),$$
$$((6+7)+10)+1,\ (6+(7+10))+1,\ (6+7)+(10+1),\ 6+((7+10)+1),\ 6+(7+(10+1)),$$
$$((6+10)+1)+7,\ (6+(10+1))+7,\ (6+10)+(1+7),\ 6+((10+1)+7),\ 6+(10+(1+7)),$$
$$6\,\text{mod}[10+1,\,7],\ (6-10)\,(1-7),\ 6\,(10+(1-7)),\ 6\,((10+1)-7),\ ((6+10)+7)+1,$$
$$(6+(10+7))+1,\ 6\,(\text{mod}[10,\,7]+1),\ 6\,((10-7)+1),\ (6+10)+(7+1),\ 6+((10+7)+1),$$
$$6+(10+(7+1)),\ 6\,\text{mod}[10,\,7-1],\ 6\,(10-(7-1)),\ ((7+1)+6)+10,\ (7+(1+6))+10,$$
$$(7+1)+(6+10),\ 7+((1+6)+10),\ 7+(1+(6+10)),\ ((7+1)+10)+6,\ (7+(1+10))+6,$$
$$(7+1)+(10+6),\ 7+((1+10)+6),\ 7+(1+(10+6)),\ (7-1)\,\text{mod}[10,\,6],\ (7-1)\,(10-6),$$
$$((7+6)+1)+10,\ (7+(6+1))+10,\ (7+6)+(1+10),\ 7+((6+1)+10),\ 7+(6+(1+10)),$$
$$((7+6)+10)+1,\ (7+(6+10))+1,\ (7+6)+(10+1),\ 7+((6+10)+1),\ 7+(6+(10+1)),$$
$$((7+10)+1)+6,\ (7+(10+1))+6,\ (7+10)+(1+6),\ 7+((10+1)+6),\ 7+(10+(1+6)),$$
$$((7+10)+6)+1,\ (7+(10+6))+1,\ (7+10)+(6+1),\ 7+((10+6)+1),\ 7+(10+(6+1)),$$
$$((10+1)+6)+7,\ (10+(1+6))+7,\ (10+1)+(6+7),\ 10+((1+6)+7),\ 10+(1+(6+7)),$$
$$\text{mod}[10+1,\,7]\,6,\ (10+(1-7))\,6,\ ((10+1)-7)\,6,\ ((10+1)+7)+6,\ (10+(1+7))+6,$$
$$(10+1)+(7+6),\ 10+((1+7)+6),\ 10+(1+(7+6)),\ ((10+6)+1)+7,\ (10+(6+1))+7,$$
$$(10+6)+(1+7),\ 10+((6+1)+7),\ 10+(6+(1+7)),\ ((10+6)+7)+1,\ (10+(6+7))+1,$$
$$(10+6)+(7+1),\ 10+((6+7)+1),\ 10+(6+(7+1)),\ \text{mod}[10,\,6]\,(7-1),\ (10-6)\,(7-1),$$
$$(\text{mod}[10,\,7]+1)\,6,\ ((10-7)+1)\,6,\ \text{mod}[10,\,7-1]\,6,\ (10-(7-1))\,6,\ ((10+7)+1)+6,$$
$$(10+(7+1))+6,\ (10+7)+(1+6),\ 10+((7+1)+6),\ 10+(7+(1+6)),\ ((10+7)+6)+1,$$
$$(10+(7+6))+1,\ (10+7)+(6+1),\ 10+((7+6)+1),\ 10+(7+(6+1))\}\},$$

$$\Big\{\{1,\,6,\,8,\,8\},\ \Big\{((1-6)+8)\,8,\ (1-(6-8))\,8,\ (1+\text{mod}[8,\,6])\,8,\ \text{mod}[1+8,\,6]\,8,$$
$$(1+(8-6))\,8,\ ((1+8)-6)\,8,\ \text{mod}[8+1,\,6]\,8,\ (8+(1-6))\,8,\ ((8+1)-6)\,8,\ 8\,((1-6)+8),$$
$$8\,(1-(6-8)),\ 8\,(1+\text{mod}[8,\,6]),\ 8\,\text{mod}[1+8,\,6],\ 8\,(1+(8-6)),\ 8\,((1+8)-6),$$
$$(\text{mod}[8,\,6]+1)\,8,\ ((8-6)+1)\,8,\ \text{mod}[8,\,6-1]\,8,\ (8-(6-1))\,8,\ 8\,\text{mod}[8+1,\,6],\ 8\,(8+(1-6)),$$
$$8\,((8+1)-6),\ 8\,(\text{mod}[8,\,6]+1),\ 8\,((8-6)+1),\ \frac{8}{\frac{8}{6}-1},\ 8\,\text{mod}[8,\,6-1],\ 8\,(8-(6-1))\Big\}\Big\},$$

$$\Big\{\{1,\,6,\,8,\,9\},\ \Big\{((1+6)+8)+9,\ (1+(6+8))+9,\ (1+6)+(8+9),\ 1+((6+8)+9),$$
$$1+(6+(8+9)),\ ((1+6)+9)+8,\ (1+(6+9))+8,\ (1+6)+(9+8),\ 1+((6+9)+8),$$
$$1+(6+(9+8)),\ ((1+8)+6)+9,\ (1+(8+6))+9,\ (1+8)+(6+9),\ 1+((8+6)+9),$$
$$1+(8+(6+9)),\ ((1+8)+9)+6,\ (1+(8+9))+6,\ (1+8)+(9+6),\ 1+((8+9)+6),$$
$$1+(8+(9+6)),\ 8\,\text{mod}[9,\,6],\ 8\,\text{mod}[9,\,6],\ 8\,(9-6),\ 8\,(9-6),\ \text{mod}[9,\,6]\,8,\ \text{mod}[1\times 9,\,6]\,8,$$
$$(9-6)\,8,\ (1\times 9-6)\,8,\ \text{mod}[9,\,6]\,8,\ (9-6)\,8,\ ((1+9)+6)+8,\ (1+(9+6))+8,$$
$$(1+9)+(6+8),\ 1+((9+6)+8),\ 1+(9+(6+8)),\ ((1+9)+8)+6,\ (1+(9+8))+6,$$
$$(1+9)+(8+6),\ 1+((9+8)+6),\ 1+(9+(8+6)),\ ((6+1)+8)+9,\ (6+(1+8))+9,$$

$$(6+1)+(8+9),\ 6+((1+8)+9),\ 6+(1+(8+9)),\ ((6+1)+9)+8,\ (6+(1+9))+8,$$
$$(6+1)+(9+8),\ 6+((1+9)+8),\ 6+(1+(9+8)),\ ((6+8)+1)+9,\ (6+(8+1))+9,$$
$$(6+8)+(1+9),\ 6+((8+1)+9),\ 6+(8+(1+9)),\ ((6+8)+9)+1,\ (6+(8+9))+1,$$
$$(6+8)+(9+1),\ 6+((8+9)+1),\ 6+(8+(9+1)),\ ((6+9)+1)+8,\ (6+(9+1))+8,$$
$$(6+9)+(1+8),\ 6+((9+1)+8),\ 6+(9+(1+8)),\ ((6+9)+8)+1,\ (6+(9+8))+1,$$
$$(6+9)+(8+1),\ 6+((9+8)+1),\ 6+(9+(8+1)),\ ((8+1)+6)+9,\ (8+(1+6))+9,$$
$$(8+1)+(6+9),\ 8+((1+6)+9),\ 8+(1+(6+9)),\ \frac{8}{1-\frac{6}{9}},\ ((8+1)+9)+6,\ (8+(1+9))+6,$$
$$(8+1)+(9+6),\ 8+((1+9)+6),\ 8+(1+(9+6)),\ \frac{8}{\frac{1}{\text{mod}[9,6]}},\ \frac{8}{\frac{1}{9-6}},\ 8\ \text{mod}[9,6],\ \frac{8}{1}\ \text{mod}[9,6],$$
$$8^1\ \text{mod}[9,6],\ \text{root}[8,1]\ \text{mod}[9,6],\ 8\ \text{mod}[9,6],\ 8\ \text{mod}[1\times 9,6],\ 8\ (9-6),\ \frac{8}{1}\ (9-6),$$
$$8^1\ (9-6),\ \text{root}[8,1]\ (9-6),\ 8\ (9-6),\ 8\ (1\times 9-6),\ ((8+6)+1)+9,\ (8+(6+1))+9,$$
$$(8+6)+(1+9),\ 8+((6+1)+9),\ 8+(6+(1+9)),\ ((8+6)+9)+1,\ (8+(6+9))+1,$$
$$(8+6)+(9+1),\ 8+((6+9)+1),\ 8+(6+(9+1)),\ ((8+9)+1)+6,\ (8+(9+1))+6,$$
$$(8+9)+(1+6),\ 8+((9+1)+6),\ 8+(9+(1+6)),\ 8\ \text{mod}[9,1\times 6],\ 8\ \text{mod}[9\times 1,6],$$
$$8\ \text{mod}\left[\frac{9}{1},6\right],\ 8\ \text{mod}\left[9^1,6\right],\ 8\ \text{mod}[\text{root}[9,1],6],\ 8\ (9-1\times 6),\ 8\ (9\times 1-6),\ 8\ \left(\frac{9}{1}-6\right),$$
$$8\ \left(9^1-6\right),\ 8\ (\text{root}[9,1]-6),\ 8\ \text{mod}[9,6],\ 8\ (9-6),\ 8\ \text{mod}[9,6],\ 8\ (9-6),\ ((8+9)+6)+1,$$
$$(8+(9+6))+1,\ (8+9)+(6+1),\ 8+((9+6)+1),\ 8+(9+(6+1)),\ 8\ \frac{\text{mod}[9,6]}{1},\ \frac{8\ \text{mod}[9,6]}{1},$$
$$8\ \frac{9-6}{1},\ \frac{8\ (9-6)}{1},\ 8\ \text{mod}[9,6\times 1],\ 8\ \text{mod}\left[9,\frac{6}{1}\right],\ 8\ \text{mod}\left[9,6^1\right],\ 8\ \text{mod}[9,\text{root}[6,1]],$$
$$8\ \text{mod}[9,6]^1,\ (8\ \text{mod}[9,6])^1,\ 8\ (9-6)^1,\ (8\ (9-6))^1,\ 8\ \text{root}[\text{mod}[9,6],1],$$
$$\text{root}[8\ \text{mod}[9,6],1],\ 8\ \text{root}[9-6,1],\ \text{root}[8\ (9-6),1],\ 8\ (9-6\times 1),\ 8\ \left(9-\frac{6}{1}\right),$$
$$8\ \left(9-6^1\right),\ 8\ (9-\text{root}[6,1]),\ \text{mod}[9,1\times 6]\ 8,\ \text{mod}[9\times 1,6]\ 8,\ \text{mod}\left[\frac{9}{1},6\right]\ 8,\ \text{mod}\left[9^1,6\right]\ 8,$$
$$\text{mod}[\text{root}[9,1],6]\ 8,\ (9-1\times 6)\ 8,\ (9\times 1-6)\ 8,\ \left(\frac{9}{1}-6\right)\ 8,\ \left(9^1-6\right)\ 8,\ (\text{root}[9,1]-6)\ 8,$$
$$((9+1)+6)+8,\ (9+(1+6))+8,\ (9+1)+(6+8),\ 9+((1+6)+8),\ 9+(1+(6+8)),$$
$$((9+1)+8)+6,\ (9+(1+8))+6,\ (9+1)+(8+6),\ 9+((1+8)+6),\ 9+(1+(8+6)),$$
$$\text{mod}[9,6]\ 8,\ (9-6)\ 8,\ \frac{\text{mod}[9,6]}{1}\ 8,\ \frac{9-6}{1}\ 8,\ \text{mod}[9,6\times 1]\ 8,\ \text{mod}\left[9,\frac{6}{1}\right]\ 8,\ \text{mod}\left[9,6^1\right]\ 8,$$
$$\text{mod}[9,\text{root}[6,1]]\ 8,\ \text{mod}[9,6]^1\ 8,\ (9-6)^1\ 8,\ \text{root}[\text{mod}[9,6],1]\ 8,\ \text{root}[9-6,1]\ 8,$$
$$(9-6\times 1)\ 8,\ \left(9-\frac{6}{1}\right)\ 8,\ \left(9-6^1\right)\ 8,\ (9-\text{root}[6,1])\ 8,\ \text{mod}[9,6]\ 8,\ (9-6)\ 8,$$
$$((9+6)+1)+8,\ (9+(6+1))+8,\ (9+6)+(1+8),\ 9+((6+1)+8),\ 9+(6+(1+8)),$$
$$\frac{\text{mod}[9,6]}{\frac{1}{8}},\ \frac{9-6}{\frac{1}{8}},\ \text{mod}[9,6]\ 8,\ (9-6)\ 8,\ \text{mod}[9,6]\ 8,\ (9-6)\ 8,\ ((9+6)+8)+1,$$
$$(9+(6+8))+1,\ (9+6)+(8+1),\ 9+((6+8)+1),\ 9+(6+(8+1)),\ \text{mod}[9,6]\ \frac{8}{1},$$
$$(9-6)\ \frac{8}{1},\ \frac{\text{mod}[9,6]\ 8}{1},\ \frac{(9-6)\ 8}{1},\ \text{mod}[9,6]\ 8^1,\ (9-6)\ 8^1,\ (\text{mod}[9,6]\ 8)^1,\ ((9-6)\ 8)^1,$$
$$\text{mod}[9,6]\ \text{root}[8,1],\ (9-6)\ \text{root}[8,1],\ \text{root}[\text{mod}[9,6]\ 8,1],\ \text{root}[(9-6)\ 8,1],$$
$$((9+8)+1)+6,\ (9+(8+1))+6,\ (9+8)+(1+6),\ 9+((8+1)+6),\ 9+(8+(1+6)),$$
$$((9+8)+6)+1,\ (9+(8+6))+1,\ (9+8)+(6+1),\ 9+((8+6)+1),\ 9+(8+(6+1))\Big\}\Big\},$$
$$\Big\{\{1,6,8,10\},\ \Big\{1\ ((6+8)+10),\ 1\ (6+8)+10,\ (1\times 6+8)+10,\ 1\ (6+(8+10)),$$

$$1 \times 6 + (8 + 10),\ 1\ ((6 + 10) + 8),\ 1\ (6 + 10) + 8,\ (1 \times 6 + 10) + 8,\ 1\ (6 + (10 + 8)),\ 1 \times 6 + (10 + 8),$$
$$1\ ((8 + 6) + 10),\ 1\ (8 + 6) + 10,\ (1 \times 8 + 6) + 10,\ 1\ (8 + (6 + 10)),\ 1 \times 8 + (6 + 10),$$
$$1\ ((8 + 10) + 6),\ 1\ (8 + 10) + 6,\ (1 \times 8 + 10) + 6,\ 1\ (8 + (10 + 6)),\ 1 \times 8 + (10 + 6),$$
$$1\ ((10 + 6) + 8),\ 1\ (10 + 6) + 8,\ (1 \times 10 + 6) + 8,\ 1\ (10 + (6 + 8)),\ 1 \times 10 + (6 + 8),$$
$$1\ ((10 + 8) + 6),\ 1\ (10 + 8) + 6,\ (1 \times 10 + 8) + 6,\ 1\ (10 + (8 + 6)),\ 1 \times 10 + (8 + 6),$$
$$(6 \times 1 + 8) + 10,\ \left(\frac{6}{1} + 8\right) + 10,\ \left(6^1 + 8\right) + 10,\ (\text{root}[6,\ 1] + 8) + 10,\ (6 + 1 \times 8) + 10,$$
$$6 \times 1 + (8 + 10),\ \frac{6}{1} + (8 + 10),\ 6^1 + (8 + 10),\ \text{root}[6,\ 1] + (8 + 10),\ 6 + 1\ (8 + 10),$$
$$6 + (1 \times 8 + 10),\ (6 \times 1 + 10) + 8,\ \left(\frac{6}{1} + 10\right) + 8,\ \left(6^1 + 10\right) + 8,\ (\text{root}[6,\ 1] + 10) + 8,$$
$$(6 + 1 \times 10) + 8,\ 6 \times 1 + (10 + 8),\ \frac{6}{1} + (10 + 8),\ 6^1 + (10 + 8),\ \text{root}[6,\ 1] + (10 + 8),$$
$$6 + 1\ (10 + 8),\ 6 + (1 \times 10 + 8),\ (6 + 8)\ 1 + 10,\ (6 + 8 \times 1) + 10,\ \left(6 + \frac{8}{1}\right) + 10,\ \frac{6 + 8}{1} + 10,$$
$$\left(6 + 8^1\right) + 10,\ (6 + 8)^1 + 10,\ (6 + \text{root}[8,\ 1]) + 10,\ \text{root}[6 + 8,\ 1] + 10,\ (6 + 8) + 1 \times 10,$$
$$6 + (8 \times 1 + 10),\ 6 + \left(\frac{8}{1} + 10\right),\ 6 + \left(8^1 + 10\right),\ 6 + (\text{root}[8,\ 1] + 10),\ 6 + (8 + 1 \times 10),$$
$$((6 + 8) + 10)\ 1,\ (6 + (8 + 10))\ 1,\ (6 + 8) + 10 \times 1,\ 6 + (8 + 10)\ 1,\ 6 + (8 + 10 \times 1),$$
$$(6 + 8) + \frac{10}{1},\ 6 + \left(8 + \frac{10}{1}\right),\ 6 + \frac{8 + 10}{1},\ \frac{(6 + 8) + 10}{1},\ \frac{6 + (8 + 10)}{1},\ (6 + 8) + 10^1,$$
$$6 + \left(8 + 10^1\right),\ 6 + (8 + 10)^1,\ ((6 + 8) + 10)^1,\ (6 + (8 + 10))^1,\ (6 + 8) + \text{root}[10,\ 1],$$
$$6 + (8 + \text{root}[10,\ 1]),\ 6 + \text{root}[8 + 10,\ 1],\ \text{root}[(6 + 8) + 10,\ 1],\ \text{root}[6 + (8 + 10),\ 1],$$
$$(6 + 10)\ 1 + 8,\ (6 + 10 \times 1) + 8,\ \left(6 + \frac{10}{1}\right) + 8,\ \frac{6 + 10}{1} + 8,\ \left(6 + 10^1\right) + 8,\ (6 + 10)^1 + 8,$$
$$(6 + \text{root}[10,\ 1]) + 8,\ \text{root}[6 + 10,\ 1] + 8,\ (6 + 10) + 1 \times 8,\ 6 + (10 \times 1 + 8),\ 6 + \left(\frac{10}{1} + 8\right),$$
$$6 + \left(10^1 + 8\right),\ 6 + (\text{root}[10,\ 1] + 8),\ 6 + (10 + 1 \times 8),\ ((6 + 10) + 8)\ 1,\ (6 + (10 + 8))\ 1,$$
$$(6 + 10) + 8 \times 1,\ 6 + (10 + 8)\ 1,\ 6 + (10 + 8 \times 1),\ \frac{6}{\frac{10}{8} - 1},\ (6 + 10) + \frac{8}{1},\ 6 + \left(10 + \frac{8}{1}\right),\ 6 + \frac{10 + 8}{1},$$
$$\frac{(6 + 10) + 8}{1},\ \frac{6 + (10 + 8)}{1},\ (6 + 10) + 8^1,\ 6 + \left(10 + 8^1\right),\ 6 + (10 + 8)^1,\ ((6 + 10) + 8)^1,$$
$$(6 + (10 + 8))^1,\ (6 + 10) + \text{root}[8,\ 1],\ 6 + (10 + \text{root}[8,\ 1]),\ 6 + \text{root}[10 + 8,\ 1],$$
$$\text{root}[(6 + 10) + 8,\ 1],\ \text{root}[6 + (10 + 8),\ 1],\ (8 \times 1 + 6) + 10,\ \left(\frac{8}{1} + 6\right) + 10,\ \left(8^1 + 6\right) + 10,$$
$$(\text{root}[8,\ 1] + 6) + 10,\ (8 + 1 \times 6) + 10,\ 8 \times 1 + (6 + 10),\ \frac{8}{1} + (6 + 10),\ 8^1 + (6 + 10),$$
$$\text{root}[8,\ 1] + (6 + 10),\ 8 + 1\ (6 + 10),\ 8 + (1 \times 6 + 10),\ (8 \times 1 + 10) + 6,\ \left(\frac{8}{1} + 10\right) + 6,$$
$$\left(8^1 + 10\right) + 6,\ (\text{root}[8,\ 1] + 10) + 6,\ (8 + 1 \times 10) + 6,\ 8 \times 1 + (10 + 6),\ \frac{8}{1} + (10 + 6),$$
$$8^1 + (10 + 6),\ \text{root}[8,\ 1] + (10 + 6),\ 8 + 1\ (10 + 6),\ 8 + (1 \times 10 + 6),\ (8 + 6)\ 1 + 10,$$
$$(8 + 6 \times 1) + 10,\ \left(8 + \frac{6}{1}\right) + 10,\ \frac{8 + 6}{1} + 10,\ \left(8 + 6^1\right) + 10,\ (8 + 6)^1 + 10,\ (8 + \text{root}[6,\ 1]) + 10,$$
$$\text{root}[8 + 6,\ 1] + 10,\ (8 + 6) + 1 \times 10,\ 8 + (6 \times 1 + 10),\ 8 + \left(\frac{6}{1} + 10\right),\ 8 + \left(6^1 + 10\right),$$
$$8 + (\text{root}[6,\ 1] + 10),\ 8 + (6 + 1 \times 10),\ ((8 + 6) + 10)\ 1,\ (8 + (6 + 10))\ 1,\ (8 + 6) + 10 \times 1,$$

$$8+(6+10)\,1,\ 8+(6+10\times 1),\ (8+6)+\frac{10}{1},\ 8+\left(6+\frac{10}{1}\right),\ 8+\frac{6+10}{1},\ \frac{(8+6)+10}{1},$$

$$\frac{8+(6+10)}{1},\ (8+6)+10^1,\ 8+\left(6+10^1\right),\ 8+(6+10)^1,\ ((8+6)+10)^1,\ (8+(6+10))^1,$$

$$(8+6)+\text{root}[10,\,1],\ 8+(6+\text{root}[10,\,1]),\ 8+\text{root}[6+10,\,1],\ \text{root}[(8+6)+10,\,1],$$

$$\text{root}[8+(6+10),\,1],\ (8+10)\,1+6,\ (8+10\times 1)+6,\ \left(8+\frac{10}{1}\right)+6,\ \frac{8+10}{1}+6,\ \left(8+10^1\right)+6,$$

$$(8+10)^1+6,\ (8+\text{root}[10,\,1])+6,\ \text{root}[8+10,\,1]+6,\ (8+10)+1\times 6,\ 8+(10\times 1+6),$$

$$8+\left(\frac{10}{1}+6\right),\ 8+\left(10^1+6\right),\ 8+(\text{root}[10,\,1]+6),\ 8+(10+1\times 6),\ 8\bmod[10,\,1+6],$$

$$8\bmod[10-1,\,6],\ 8\,(10-(1+6)),\ 8\,((10-1)-6),\ ((8+10)+6)\,1,\ (8+(10+6))\,1,$$

$$(8+10)+6\times 1,\ 8+(10+6)\,1,\ 8+(10+6\times 1),\ (8+10)+\frac{6}{1},\ 8+\left(10+\frac{6}{1}\right),\ 8+\frac{10+6}{1},$$

$$\frac{(8+10)+6}{1},\ \frac{8+(10+6)}{1},\ 8\bmod[10,\,6+1],\ (8+10)+6^1,\ 8+\left(10+6^1\right),\ 8+(10+6)^1,$$

$$((8+10)+6)^1,\ (8+(10+6))^1,\ (8+10)+\text{root}[6,\,1],\ 8+(10+\text{root}[6,\,1]),\ 8+\text{root}[10+6,\,1],$$

$$\text{root}[(8+10)+6,\,1],\ \text{root}[8+(10+6),\,1],\ 8\,(10-(6+1)),\ 8\,(\bmod[10,\,6]-1),$$

$$8\,((10-6)-1),\ \bmod[10,\,1+6]\,8,\ \bmod[10-1,\,6]\,8,\ (10-(1+6))\,8,\ ((10-1)-6)\,8,$$

$$(10\times 1+6)+8,\ \left(\frac{10}{1}+6\right)+8,\ \left(10^1+6\right)+8,\ (\text{root}[10,\,1]+6)+8,\ (10+1\times 6)+8,$$

$$10\times 1+(6+8),\ \frac{10}{1}+(6+8),\ 10^1+(6+8),\ \text{root}[10,\,1]+(6+8),\ 10+1\,(6+8),\ 10+(1\times 6+8),$$

$$(10\times 1+8)+6,\ \left(\frac{10}{1}+8\right)+6,\ \left(10^1+8\right)+6,\ (\text{root}[10,\,1]+8)+6,\ (10+1\times 8)+6,$$

$$10\times 1+(8+6),\ \frac{10}{1}+(8+6),\ 10^1+(8+6),\ \text{root}[10,\,1]+(8+6),\ 10+1\,(8+6),$$

$$10+(1\times 8+6),\ \bmod[10,\,6+1]\,8,\ (10-(6+1))\,8,\ (\bmod[10,\,6]-1)\,8,\ ((10-6)-1)\,8,$$

$$(10+6)\,1+8,\ (10+6\times 1)+8,\ \left(10+\frac{6}{1}\right)+8,\ \frac{10+6}{1}+8,\ \left(10+6^1\right)+8,\ (10+6)^1+8,$$

$$(10+\text{root}[6,\,1])+8,\ \text{root}[10+6,\,1]+8,\ (10+6)+1\times 8,\ 10+(6\times 1+8),\ 10+\left(\frac{6}{1}+8\right),$$

$$10+\left(6^1+8\right),\ 10+(\text{root}[6,\,1]+8),\ 10+(6+1\times 8),\ ((10+6)+8)\,1,\ (10+(6+8))\,1,$$

$$(10+6)+8\times 1,\ 10+(6+8)\,1,\ 10+(6+8\times 1),\ (10+6)+\frac{8}{1},\ 10+\left(6+\frac{8}{1}\right),\ 10+\frac{6+8}{1},$$

$$\frac{(10+6)+8}{1},\ \frac{10+(6+8)}{1},\ (10+6)+8^1,\ 10+\left(6+8^1\right),\ 10+(6+8)^1,\ ((10+6)+8)^1,$$

$$(10+(6+8))^1,\ (10+6)+\text{root}[8,\,1],\ 10+(6+\text{root}[8,\,1]),\ 10+\text{root}[6+8,\,1],$$

$$\text{root}[(10+6)+8,\,1],\ \text{root}[10+(6+8),\,1],\ (10+8)\,1+6,\ (10+8\times 1)+6,\ \left(10+\frac{8}{1}\right)+6,$$

$$\frac{10+8}{1}+6,\ \left(10+8^1\right)+6,\ (10+8)^1+6,\ (10+\text{root}[8,\,1])+6,\ \text{root}[10+8,\,1]+6,$$

$$(10+8)+1\times 6,\ 10+(8\times 1+6),\ 10+\left(\frac{8}{1}+6\right),\ 10+\left(8^1+6\right),\ 10+(\text{root}[8,\,1]+6),$$

$$10+(8+1\times 6),\ ((10+8)+6)\,1,\ (10+(8+6))\,1,\ (10+8)+6\times 1,\ 10+(8+6)\,1,$$

$$10+(8+6\times 1),\ (10+8)+\frac{6}{1},\ 10+\left(8+\frac{6}{1}\right),\ 10+\frac{8+6}{1},\ \frac{(10+8)+6}{1},\ \frac{10+(8+6)}{1},\ (10+8)+6^1,$$

$$10+\left(8+6^1\right),\ 10+(8+6)^1,\ ((10+8)+6)^1,\ (10+(8+6))^1,\ (10+8)+\text{root}[6,\,1],$$

$$10+(8+\text{root}[6,1]),\ 10+\text{root}[8+6,1],\ \text{root}[(10+8)+6,1],\ \text{root}[10+(8+6),1]\Big\}\Big\},$$

$$\Big\{\{1,6,9,9\},\ \Big\{1\,((6+9)+9),\ 1\,(6+9)+9,\ (1\times 6+9)+9,\ 1\,(6+(9+9)),\ 1\times 6+(9+9),$$
$$1\,((9+6)+9),\ 1\,(9+6)+9,\ (1\times 9+6)+9,\ 1\,(9+(6+9)),\ 1\times 9+(6+9),\ (1-9)\,(6-9),$$
$$1\,((9+9)+6),\ 1\,(9+9)+6,\ (1\times 9+9)+6,\ 1\,(9+(9+6)),\ 1\times 9+(9+6),\ (6\times 1+9)+9,$$
$$\left(\frac{6}{1}+9\right)+9,\ \left(6^1+9\right)+9,\ (\text{root}[6,1]+9)+9,\ (6+1\times 9)+9,\ 6\times 1+(9+9),\ \frac{6}{1}+(9+9),$$
$$6^1+(9+9),\ \text{root}[6,1]+(9+9),\ 6+1\,(9+9),\ 6+(1\times 9+9),\ (6+9)\,1+9,\ (6+9\times 1)+9,$$
$$\left(6+\frac{9}{1}\right)+9,\ \frac{6+9}{1}+9,\ \left(6+9^1\right)+9,\ (6+9)^1+9,\ (6+\text{root}[9,1])+9,\ \text{root}[6+9,1]+9,$$
$$(6+9)+1\times 9,\ 6+(9\times 1+9),\ 6+\left(\frac{9}{1}+9\right),\ 6+\left(9^1+9\right),\ 6+(\text{root}[9,1]+9),\ 6+(9+1\times 9),$$
$$(6-9)\,(1-9),\ ((6+9)+9)\,1,\ (6+(9+9))\,1,\ (6+9)+9\times 1,\ 6+(9+9)\,1,\ 6+(9+9\times 1),$$
$$(6+9)+\frac{9}{1},\ 6+\left(9+\frac{9}{1}\right),\ 6+\frac{9+9}{1},\ \frac{(6+9)+9}{1},\ \frac{6+(9+9)}{1},\ (6+9)+9^1,\ 6+\left(9+9^1\right),$$
$$6+(9+9)^1,\ ((6+9)+9)^1,\ (6+(9+9))^1,\ (6+9)+\text{root}[9,1],\ 6+(9+\text{root}[9,1]),$$
$$6+\text{root}[9+9,1],\ \text{root}[(6+9)+9,1],\ \text{root}[6+(9+9),1],\ (9\times 1+6)+9,\ \left(\frac{9}{1}+6\right)+9,$$
$$\left(9^1+6\right)+9,\ (\text{root}[9,1]+6)+9,\ (9+1\times 6)+9,\ 9\times 1+(6+9),\ \frac{9}{1}+(6+9),\ 9^1+(6+9),$$
$$\text{root}[9,1]+(6+9),\ 9+1\,(6+9),\ 9+(1\times 6+9),\ (9\times 1+9)+6,\ \left(\frac{9}{1}+9\right)+6,\ \left(9^1+9\right)+6,$$
$$(\text{root}[9,1]+9)+6,\ (9+1\times 9)+6,\ 9\times 1+(9+6),\ \frac{9}{1}+(9+6),\ 9^1+(9+6),\ \text{root}[9,1]+(9+6),$$
$$9+1\,(9+6),\ 9+(1\times 9+6),\ (9-1)\bmod[9,6],\ (9-1)\,(9-6),\ (9+6)\,1+9,\ (9+6\times 1)+9,$$
$$\left(9+\frac{6}{1}\right)+9,\ \frac{9+6}{1}+9,\ \left(9+6^1\right)+9,\ (9+6)^1+9,\ (9+\text{root}[6,1])+9,\ \text{root}[9+6,1]+9,$$
$$(9+6)+1\times 9,\ 9+(6\times 1+9),\ 9+\left(\frac{6}{1}+9\right),\ 9+\left(6^1+9\right),\ 9+(\text{root}[6,1]+9),\ 9+(6+1\times 9),$$
$$((9+6)+9)\,1,\ (9+(6+9))\,1,\ (9+6)+9\times 1,\ 9+(6+9)\,1,\ 9+(6+9\times 1),\ (9+6)+\frac{9}{1},$$
$$9+\left(6+\frac{9}{1}\right),\ 9+\frac{6+9}{1},\ \frac{(9+6)+9}{1},\ \frac{9+(6+9)}{1},\ (9+6)+9^1,\ 9+\left(6+9^1\right),\ 9+(6+9)^1,$$
$$((9+6)+9)^1,\ (9+(6+9))^1,\ (9+6)+\text{root}[9,1],\ 9+(6+\text{root}[9,1]),\ 9+\text{root}[6+9,1],$$
$$\text{root}[(9+6)+9,1],\ \text{root}[9+(6+9),1],\ \text{mod}[9,6]\,(9-1),\ (9-6)\,(9-1),\ (9+9)\,1+6,$$
$$(9+9\times 1)+6,\ \left(9+\frac{9}{1}\right)+6,\ \frac{9+9}{1}+6,\ \left(9+9^1\right)+6,\ (9+9)^1+6,\ (9+\text{root}[9,1])+6,$$
$$\text{root}[9+9,1]+6,\ (9+9)+1\times 6,\ 9+(9\times 1+6),\ 9+\left(\frac{9}{1}+6\right),\ 9+\left(9^1+6\right),$$
$$9+(\text{root}[9,1]+6),\ 9+(9+1\times 6),\ ((9+9)+6)\,1,\ (9+(9+6))\,1,\ (9+9)+6\times 1,$$
$$9+(9+6)\,1,\ 9+(9+6\times 1),\ (9+9)+\frac{6}{1},\ 9+\left(9+\frac{6}{1}\right),\ 9+\frac{9+6}{1},\ \frac{(9+9)+6}{1},\ \frac{9+(9+6)}{1},$$
$$(9+9)+6^1,\ 9+\left(9+6^1\right),\ 9+(9+6)^1,\ ((9+9)+6)^1,\ (9+(9+6))^1,\ (9+9)+\text{root}[6,1],$$
$$9+(9+\text{root}[6,1]),\ 9+\text{root}[9+6,1],\ \text{root}[(9+9)+6,1],\ \text{root}[9+(9+6),1]\Big\}\Big\},$$

$$\Big\{\{1,6,9,10\},\ \Big\{\left(1+\frac{10}{6}\right)9,\ ((6-1)+9)+10,\ (6-(1-9))+10,\ (6-1)+(9+10),$$
$$6-(1-(9+10)),\ 6-((1-9)-10),\ ((6-1)+10)+9,\ (6-(1-10))+9,\ (6-1)+(10+9),$$
$$6-(1-(10+9)),\ 6-((1-10)-9),\ (6+(9-1))+10,\ ((6+9)-1)+10,\ 6+((9-1)+10),$$

$$6+(9-(1-10)),\ (6+9)-(1-10),\ (6+9)+(10-1),\ 6+(9+(10-1)),\ 6+((9+10)-1),$$
$$((6+9)+10)-1,\ (6+(9+10))-1,\ (6+(10-1))+9,\ ((6+10)-1)+9,\ 6+((10-1)+9),$$
$$6+(10-(1-9)),\ (6+10)-(1-9),\ (6+10)+(9-1),\ 6+(10+(9-1)),\ 6+((10+9)-1),$$
$$((6+10)+9)-1,\ (6+(10+9))-1,\ ((9-1)+6)+10,\ (9-(1-6))+10,\ (9-1)+(6+10),$$
$$9-(1-(6+10)),\ 9-((1-6)-10),\ ((9-1)+10)+6,\ (9-(1-10))+6,\ (9-1)+(10+6),$$
$$9\left(1+\frac{10}{6}\right),\ 9-(1-(10+6)),\ 9-((1-10)-6),\ (9+(6-1))+10,\ ((9+6)-1)+10,$$
$$9+((6-1)+10),\ 9+(6-(1-10)),\ (9+6)-(1-10),\ (9+6)+(10-1),\ 9+(6+(10-1)),$$
$$9+((6+10)-1),\ ((9+6)+10)-1,\ (9+(6+10))-1,\ (9+(10-1))+6,\ ((9+10)-1)+6,$$
$$9+((10-1)+6),\ 9+(10-(1-6)),\ (9+10)-(1-6),\ 9\left(\frac{10}{6}+1\right),\ (9+10)+(6-1),$$
$$9+(10+(6-1)),\ 9+((10+6)-1),\ ((9+10)+6)-1,\ (9+(10+6))-1,\ ((10-1)+6)+9,$$
$$(10-(1-6))+9,\ (10-1)+(6+9),\ 10-(1-(6+9)),\ 10-((1-6)-9),\ ((10-1)+9)+6,$$
$$(10-(1-9))+6,\ (10-1)+(9+6),\ 10-(1-(9+6)),\ 10-((1-9)-6),\ \left(\frac{10}{6}+1\right)9,$$
$$(10+(6-1))+9,\ ((10+6)-1)+9,\ 10+((6-1)+9),\ 10+(6-(1-9)),\ (10+6)-(1-9),$$
$$(10+6)+(9-1),\ 10+(6+(9-1)),\ 10+((6+9)-1),\ ((10+6)+9)-1,\ (10+(6+9))-1,$$
$$(10+(9-1))+6,\ ((10+9)-1)+6,\ 10+((9-1)+6),\ 10+(9-(1-6)),\ (10+9)-(1-6),$$
$$(10+9)+(6-1),\ 10+(9+(6-1)),\ 10+((9+6)-1),\ ((10+9)+6)-1,\ (10+(9+6))-1\Big\}\Big\},$$

$$\{\{1,6,10,10\},\{\}\},\ \{\{1,7,7,7\},\{\}\},\ \{\{1,7,7,8\},\{\}\},$$

$$\{\{1,7,7,9\},$$
$$\{((1+7)+7)+9,\ (1+(7+7))+9,\ (1+7)+(7+9),\ 1+((7+7)+9),\ 1+(7+(7+9)),$$
$$((1+7)+9)+7,\ (1+(7+9))+7,\ (1+7)+(9+7),\ 1+((7+9)+7),\ 1+(7+(9+7)),$$
$$((1+9)+7)+7,\ (1+(9+7))+7,\ (1+9)+(7+7),\ 1+((9+7)+7),\ 1+(9+(7+7)),$$
$$((7+1)+7)+9,\ (7+(1+7))+9,\ (7+1)+(7+9),\ 7+((1+7)+9),\ 7+(1+(7+9)),$$
$$((7+1)+9)+7,\ (7+(1+9))+7,\ (7+1)+(9+7),\ 7+((1+9)+7),\ 7+(1+(9+7)),$$
$$((7+7)+1)+9,\ (7+(7+1))+9,\ (7+7)+(1+9),\ 7+((7+1)+9),\ 7+(7+(1+9)),$$
$$((7+7)+9)+1,\ (7+(7+9))+1,\ (7+7)+(9+1),\ 7+((7+9)+1),\ 7+(7+(9+1)),$$
$$((7+9)+1)+7,\ (7+(9+1))+7,\ (7+9)+(1+7),\ 7+((9+1)+7),\ 7+(9+(1+7)),$$
$$((7+9)+7)+1,\ (7+(9+7))+1,\ (7+9)+(7+1),\ 7+((9+7)+1),\ 7+(9+(7+1)),$$
$$((9+1)+7)+7,\ (9+(1+7))+7,\ (9+1)+(7+7),\ 9+((1+7)+7),\ 9+(1+(7+7)),$$
$$((9+7)+1)+7,\ (9+(7+1))+7,\ (9+7)+(1+7),\ 9+((7+1)+7),\ 9+(7+(1+7)),$$
$$((9+7)+7)+1,\ (9+(7+7))+1,\ (9+7)+(7+1),\ 9+((7+7)+1),\ 9+(7+(7+1))\}\},$$

$$\Big\{\{1,7,7,10\},\ \Big\{1\,((7+7)+10),\ 1\,(7+7)+10,\ (1\times 7+7)+10,\ 1\,(7+(7+10)),$$
$$1\times 7+(7+10),\ 1\,((7+10)+7),\ 1\,(7+10)+7,\ (1\times 7+10)+7,\ 1\,(7+(10+7)),$$
$$1\times 7+(10+7),\ (1+7)\bmod[10,7],\ (1+7)\,(10-7),\ 1\,((10+7)+7),\ 1\,(10+7)+7,$$
$$(1\times 10+7)+7,\ 1\,(10+(7+7)),\ 1\times 10+(7+7),\ (7\times 1+7)+10,\ \left(\frac{7}{1}+7\right)+10,$$
$$\left(7^1+7\right)+10,\ (\text{root}[7,1]+7)+10,\ (7+1\times 7)+10,\ 7\times 1+(7+10),\ \frac{7}{1}+(7+10),$$
$$7^1+(7+10),\ \text{root}[7,1]+(7+10),\ 7+1\,(7+10),\ 7+(1\times 7+10),\ (7\times 1+10)+7,$$
$$\left(\frac{7}{1}+10\right)+7,\ \left(7^1+10\right)+7,\ (\text{root}[7,1]+10)+7,\ (7+1\times 10)+7,\ 7\times 1+(10+7),$$
$$\frac{7}{1}+(10+7),\ 7^1+(10+7),\ \text{root}[7,1]+(10+7),\ 7+1\,(10+7),\ 7+(1\times 10+7),$$
$$(7+1)\bmod[10,7],\ (7+1)\,(10-7),\ (7+7)\,1+10,\ (7+7\times 1)+10,\ \left(7+\frac{7}{1}\right)+10,\ \frac{7+7}{1}+10,$$
$$\left(7+7^1\right)+10,\ (7+7)^1+10,\ (7+\text{root}[7,1])+10,\ \text{root}[7+7,1]+10,\ (7+7)+1\times 10,$$
$$7+(7\times 1+10),\ 7+\left(\frac{7}{1}+10\right),\ 7+\left(7^1+10\right),\ 7+(\text{root}[7,1]+10),\ 7+(7+1\times 10),$$
$$((7+7)+10)\,1,\ (7+(7+10))\,1,\ (7+7)+10\times 1,\ 7+(7+10)\,1,\ 7+(7+10\times 1),$$
$$(7+7)+\frac{10}{1},\ 7+\left(7+\frac{10}{1}\right),\ 7+\frac{7+10}{1},\ \frac{(7+7)+10}{1},\ \frac{7+(7+10)}{1},\ (7+7)+10^1,$$

$$7+\left(7+10^1\right),\ 7+(7+10)^1,\ ((7+7)+10)^1,\ (7+(7+10))^1,\ (7+7)+\text{root}[10,\ 1],$$
$$7+(7+\text{root}[10,\ 1]),\ 7+\text{root}[7+10,\ 1],\ \text{root}[(7+7)+10,\ 1],\ \text{root}[7+(7+10),\ 1],$$
$$(7+10)\ 1+7,\ (7+10\times 1)+7,\ \left(7+\frac{10}{1}\right)+7,\ \frac{7+10}{1}+7,\ \left(7+10^1\right)+7,\ (7+10)^1+7,$$
$$(7+\text{root}[10,\ 1])+7,\ \text{root}[7+10,\ 1]+7,\ (7+10)+1\times 7,\ 7+(10\times 1+7),\ 7+\left(\frac{10}{1}+7\right),$$
$$7+\left(10^1+7\right),\ 7+(\text{root}[10,\ 1]+7),\ 7+(10+1\times 7),\ ((7+10)+7)\ 1,\ (7+(10+7))\ 1,$$
$$(7+10)+7\times 1,\ 7+(10+7)\ 1,\ 7+(10+7\times 1),\ (7+10)+\frac{7}{1},\ 7+\left(10+\frac{7}{1}\right),\ 7+\frac{10+7}{1},$$
$$\frac{(7+10)+7}{1},\ \frac{7+(10+7)}{1},\ (7+10)+7^1,\ 7+\left(10+7^1\right),\ 7+(10+7)^1,\ ((7+10)+7)^1,$$
$$(7+(10+7))^1,\ (7+10)+\text{root}[7,\ 1],\ 7+(10+\text{root}[7,\ 1]),\ 7+\text{root}[10+7,\ 1],$$
$$\text{root}[(7+10)+7,\ 1],\ \text{root}[7+(10+7),\ 1],\ (10\times 1+7)+7,\ \left(\frac{10}{1}+7\right)+7,\ \left(10^1+7\right)+7,$$
$$(\text{root}[10,\ 1]+7)+7,\ (10+1\times 7)+7,\ 10\times 1+(7+7),\ \frac{10}{1}+(7+7),\ 10^1+(7+7),$$
$$\text{root}[10,\ 1]+(7+7),\ 10+1\ (7+7),\ 10+(1\times 7+7),\ \text{mod}[10,\ 7]\ (1+7),\ (10-7)\ (1+7),$$
$$(10+7)\ 1+7,\ (10+7\times 1)+7,\ \left(10+\frac{7}{1}\right)+7,\ \frac{10+7}{1}+7,\ \left(10+7^1\right)+7,\ (10+7)^1+7,$$
$$(10+\text{root}[7,\ 1])+7,\ \text{root}[10+7,\ 1]+7,\ (10+7)+1\times 7,\ 10+(7\times 1+7),\ 10+\left(\frac{7}{1}+7\right),$$
$$10+\left(7^1+7\right),\ 10+(\text{root}[7,\ 1]+7),\ 10+(7+1\times 7),\ ((10+7)+7)\ 1,\ (10+(7+7))\ 1,$$
$$\text{mod}[10,\ 7]\ (7+1),\ (10-7)\ (7+1),\ (10+7)+7\times 1,\ 10+(7+7)\ 1,\ 10+(7+7\times 1),$$
$$(10+7)+\frac{7}{1},\ 10+\left(7+\frac{7}{1}\right),\ 10+\frac{7+7}{1},\ \frac{(10+7)+7}{1},\ \frac{10+(7+7)}{1},\ (10+7)+7^1,$$
$$10+\left(7+7^1\right),\ 10+(7+7)^1,\ ((10+7)+7)^1,\ (10+(7+7))^1,\ (10+7)+\text{root}[7,\ 1],$$
$$10+(7+\text{root}[7,\ 1]),\ 10+\text{root}[7+7,\ 1],\ \text{root}[(10+7)+7,\ 1],\ \text{root}[10+(7+7),\ 1]\Big\}\Big\},$$

$$\{\{1,\ 7,\ 8,\ 8\},\ \{((1+7)+8)+8,\ (1+(7+8))+8,\ (1+7)+(8+8),\ 1+((7+8)+8),$$
$$1+(7+(8+8)),\ ((1+8)+7)+8,\ (1+(8+7))+8,\ (1+8)+(7+8),$$
$$1+((8+7)+8),\ 1+(8+(7+8)),\ ((1+8)+8)+7,\ (1+(8+8))+7,$$
$$(1+8)+(8+7),\ 1+((8+8)+7),\ 1+(8+(8+7)),\ ((7+1)+8)+8,$$
$$(7+(1+8))+8,\ (7+1)+(8+8),\ 7+((1+8)+8),\ 7+(1+(8+8)),\ ((7+8)+1)+8,$$
$$(7+(8+1))+8,\ (7+8)+(1+8),\ 7+((8+1)+8),\ 7+(8+(1+8)),\ ((7+8)+8)+1,$$
$$(7+(8+8))+1,\ (7+8)+(8+1),\ 7+((8+8)+1),\ 7+(8+(8+1)),\ ((8+1)+7)+8,$$
$$(8+(1+7))+8,\ (8+1)+(7+8),\ 8+((1+7)+8),\ 8+(1+(7+8)),\ ((8+1)+8)+7,$$
$$(8+(1+8))+7,\ (8+1)+(8+7),\ 8+((1+8)+7),\ 8+(1+(8+7)),\ ((8+7)+1)+8,$$
$$(8+(7+1))+8,\ (8+7)+(1+8),\ 8+((7+1)+8),\ 8+(7+(1+8)),\ ((8+7)+8)+1,$$
$$(8+(7+8))+1,\ (8+7)+(8+1),\ 8+((7+8)+1),\ 8+(7+(8+1)),\ ((8+8)+1)+7,$$
$$(8+(8+1))+7,\ (8+8)+(1+7),\ 8+((8+1)+7),\ 8+(8+(1+7)),\ ((8+8)+7)+1,$$
$$(8+(8+7))+1,\ (8+8)+(7+1),\ 8+((8+7)+1),\ 8+(8+(7+1))\}\},$$

$$\Big\{\{1,\ 7,\ 8,\ 9\},\ \Big\{1\ ((7+8)+9),\ 1\ (7+8)+9,\ (1\times 7+8)+9,\ 1\ (7+(8+9)),\ 1\times 7+(8+9),$$
$$((1-7)+9)\ 8,\ (1-(7-9))\ 8,\ 1\ ((7+9)+8),\ 1\ (7+9)+8,\ (1\times 7+9)+8,\ 1\ (7+(9+8)),$$
$$1\times 7+(9+8),\ 1\ ((8+7)+9),\ 1\ (8+7)+9,\ (1\times 8+7)+9,\ 1\ (8+(7+9)),\ 1\times 8+(7+9),$$
$$1\ ((8+9)+7),\ 1\ (8+9)+7,\ (1\times 8+9)+7,\ 1\ (8+(9+7)),\ 1\times 8+(9+7),\ (1+\text{mod}[9,\ 7])\ 8,$$
$$\text{mod}[1+9,\ 7]\ 8,\ (1+(9-7))\ 8,\ ((1+9)-7)\ 8,\ 1\ ((9+7)+8),\ 1\ (9+7)+8,\ (1\times 9+7)+8,$$
$$1\ (9+(7+8)),\ 1\times 9+(7+8),\ 1\ ((9+8)+7),\ 1\ (9+8)+7,\ (1\times 9+8)+7,\ 1\ (9+(8+7)),$$
$$1\times 9+(8+7),\ (7\times 1+8)+9,\ \left(\frac{7}{1}+8\right)+9,\ \left(7^1+8\right)+9,\ (\text{root}[7,\ 1]+8)+9,\ (7+1\times 8)+9,$$
$$7\times 1+(8+9),\ \frac{7}{1}+(8+9),\ 7^1+(8+9),\ \text{root}[7,\ 1]+(8+9),\ 7+1\ (8+9),\ 7+(1\times 8+9),$$

$$(7\times1+9)+8,\ \left(\frac{7}{1}+9\right)+8,\ \left(7^1+9\right)+8,\ (\text{root}[7,\ 1]+9)+8,\ (7+1\times9)+8,\ 7\times1+(9+8),$$

$$\frac{7}{1}+(9+8),\ 7^1+(9+8),\ \text{root}[7,\ 1]+(9+8),\ 7+1\ (9+8),\ 7+(1\times9+8),\ (7+8)\ 1+9,$$

$$(7+8\times1)+9,\ \left(7+\frac{8}{1}\right)+9,\ \frac{7+8}{1}+9,\ \left(7+8^1\right)+9,\ (7+8)^1+9,\ (7+\text{root}[8,\ 1])+9,$$

$$\text{root}[7+8,\ 1]+9,\ (7+8)+1\times9,\ 7+(8\times1+9),\ 7+\left(\frac{8}{1}+9\right),\ 7+\left(8^1+9\right),\ 7+(\text{root}[8,\ 1]+9),$$

$$7+(8+1\times9),\ ((7+8)+9)\ 1,\ (7+(8+9))\ 1,\ (7+8)+9\times1,\ 7+(8+9)\ 1,\ 7+(8+9\times1),$$

$$(7+8)+\frac{9}{1},\ 7+\left(8+\frac{9}{1}\right),\ 7+\frac{8+9}{1},\ \frac{(7+8)+9}{1},\ \frac{7+(8+9)}{1},\ (7+8)+9^1,\ 7+\left(8+9^1\right),$$

$$7+(8+9)^1,\ ((7+8)+9)^1,\ (7+(8+9))^1,\ (7+8)+\text{root}[9,\ 1],\ 7+(8+\text{root}[9,\ 1]),$$

$$7+\text{root}[8+9,\ 1],\ \text{root}[(7+8)+9,\ 1],\ \text{root}[7+(8+9),\ 1],\ (7+9)\ 1+8,\ (7+9\times1)+8,$$

$$\left(7+\frac{9}{1}\right)+8,\ \frac{7+9}{1}+8,\ \left(7+9^1\right)+8,\ (7+9)^1+8,\ (7+\text{root}[9,\ 1])+8,\ \text{root}[7+9,\ 1]+8,$$

$$(7+9)+1\times8,\ 7+(9\times1+8),\ 7+\left(\frac{9}{1}+8\right),\ 7+\left(9^1+8\right),\ 7+(\text{root}[9,\ 1]+8),\ 7+(9+1\times8),$$

$$((7+9)+8)\ 1,\ (7+(9+8))\ 1,\ (7+9)+8\times1,\ 7+(9+8)\ 1,\ 7+(9+8\times1),\ (7+9)+\frac{8}{1},$$

$$7+\left(9+\frac{8}{1}\right),\ 7+\frac{9+8}{1},\ \frac{(7+9)+8}{1},\ \frac{7+(9+8)}{1},\ (7+9)+8^1,\ 7+\left(9+8^1\right),\ 7+(9+8)^1,$$

$$((7+9)+8)^1,\ (7+(9+8))^1,\ (7+9)+\text{root}[8,\ 1],\ 7+(9+\text{root}[8,\ 1]),\ 7+\text{root}[9+8,\ 1],$$

$$\text{root}[(7+9)+8,\ 1],\ \text{root}[7+(9+8),\ 1],\ (8\times1+7)+9,\ \left(\frac{8}{1}+7\right)+9,\ \left(8^1+7\right)+9,$$

$$(\text{root}[8,\ 1]+7)+9,\ (8+1\times7)+9,\ 8\ ((1-7)+9),\ 8\times1+(7+9),\ \frac{8}{1}+(7+9),\ 8^1+(7+9),$$

$$\text{root}[8,\ 1]+(7+9),\ 8+1\ (7+9),\ 8+(1\times7+9),\ 8\ (1-(7-9)),\ (8\times1+9)+7,$$

$$\left(\frac{8}{1}+9\right)+7,\ \left(8^1+9\right)+7,\ (\text{root}[8,\ 1]+9)+7,\ (8+1\times9)+7,\ 8\times1+(9+7),\ \frac{8}{1}+(9+7),$$

$$8^1+(9+7),\ \text{root}[8,\ 1]+(9+7),\ 8+1\ (9+7),\ 8+(1\times9+7),\ 8\ (1+\text{mod}[9,\ 7]),$$

$$8\ \text{mod}[1+9,\ 7],\ 8\ (1+(9-7)),\ 8\ ((1+9)-7),\ (8+7)\ 1+9,\ (8+7\times1)+9,\ \left(8+\frac{7}{1}\right)+9,$$

$$\frac{8+7}{1}+9,\ \left(8+7^1\right)+9,\ (8+7)^1+9,\ (8+\text{root}[7,\ 1])+9,\ \text{root}[8+7,\ 1]+9,\ (8+7)+1\times9,$$

$$8+(7\times1+9),\ 8+\left(\frac{7}{1}+9\right),\ 8+\left(7^1+9\right),\ 8+(\text{root}[7,\ 1]+9),\ 8+(7+1\times9),\ ((8+7)+9)\ 1,$$

$$(8+(7+9))\ 1,\ (8+7)+9\times1,\ 8+(7+9)\ 1,\ 8+(7+9\times1),\ (8+7)+\frac{9}{1},\ 8+\left(7+\frac{9}{1}\right),\ 8+\frac{7+9}{1},$$

$$\frac{(8+7)+9}{1},\ \frac{8+(7+9)}{1},\ (8+7)+9^1,\ 8+\left(7+9^1\right),\ 8+(7+9)^1,\ ((8+7)+9)^1,\ (8+(7+9))^1,$$

$$(8+7)+\text{root}[9,\ 1],\ 8+(7+\text{root}[9,\ 1]),\ 8+\text{root}[7+9,\ 1],\ \text{root}[(8+7)+9,\ 1],$$

$$\text{root}[8+(7+9),\ 1],\ (8+9)\ 1+7,\ (8+9\times1)+7,\ \left(8+\frac{9}{1}\right)+7,\ \frac{8+9}{1}+7,\ \left(8+9^1\right)+7,$$

$$(8+9)^1+7,\ (8+\text{root}[9,\ 1])+7,\ \text{root}[8+9,\ 1]+7,\ (8+9)+1\times7,\ 8+(9\times1+7),$$

$$8+\left(\frac{9}{1}+7\right),\ 8+\left(9^1+7\right),\ 8+(\text{root}[9,\ 1]+7),\ 8+(9+1\times7),\ 8\ \text{mod}[9+1,\ 7],\ 8\ (9+(1-7)),$$

$$8\ ((9+1)-7),\ ((8+9)+7)\ 1,\ (8+(9+7))\ 1,\ 8\ (\text{mod}[9,\ 7]+1),\ 8\ ((9-7)+1),\ (8+9)+7\times1,$$

$$8+(9+7)\,1,\ 8+(9+7\times 1),\ (8+9)+\frac{7}{1},\ 8+\left(9+\frac{7}{1}\right),\ 8+\frac{9+7}{1},\ \frac{(8+9)+7}{1},\ \frac{8+(9+7)}{1},$$
$$8\bmod[9,\,7-1],\ (8+9)+7^1,\ 8+\left(9+7^1\right),\ 8+(9+7)^1,\ ((8+9)+7)^1,\ (8+(9+7))^1,$$
$$(8+9)+\text{root}[7,\,1],\ 8+(9+\text{root}[7,\,1]),\ 8+\text{root}[9+7,\,1],\ \text{root}[(8+9)+7,\,1],$$
$$\text{root}[8+(9+7),\,1],\ 8\,(9-(7-1)),\ \text{mod}[9+1,\,7]\,8,\ (9+(1-7))\,8,\ ((9+1)-7)\,8,$$
$$(9\times 1+7)+8,\ \left(\frac{9}{1}+7\right)+8,\ \left(9^1+7\right)+8,\ (\text{root}[9,\,1]+7)+8,\ (9+1\times 7)+8,\ 9\times 1+(7+8),$$
$$\frac{9}{1}+(7+8),\ 9^1+(7+8),\ \text{root}[9,\,1]+(7+8),\ 9+1\,(7+8),\ 9+(1\times 7+8),\ (9\times 1+8)+7,$$
$$\left(\frac{9}{1}+8\right)+7,\ \left(9^1+8\right)+7,\ (\text{root}[9,\,1]+8)+7,\ (9+1\times 8)+7,\ 9\times 1+(8+7),\ \frac{9}{1}+(8+7),$$
$$9^1+(8+7),\ \text{root}[9,\,1]+(8+7),\ 9+1\,(8+7),\ 9+(1\times 8+7),\ (\text{mod}[9,\,7]+1)\,8,$$
$$((9-7)+1)\,8,\ \text{mod}[9,\,7-1]\,8,\ (9-(7-1))\,8,\ (9+7)\,1+8,\ (9+7\times 1)+8,\ \left(9+\frac{7}{1}\right)+8,$$
$$\frac{9+7}{1}+8,\ \left(9+7^1\right)+8,\ (9+7)^1+8,\ (9+\text{root}[7,\,1])+8,\ \text{root}[9+7,\,1]+8,\ (9+7)+1\times 8,$$
$$9+(7\times 1+8),\ 9+\left(\frac{7}{1}+8\right),\ 9+\left(7^1+8\right),\ 9+(\text{root}[7,\,1]+8),\ 9+(7+1\times 8),\ ((9+7)+8)\,1,$$
$$(9+(7+8))\,1,\ (9+7)+8\times 1,\ 9+(7+8)\,1,\ 9+(7+8\times 1),\ (9+7)+\frac{8}{1},\ 9+\left(7+\frac{8}{1}\right),\ 9+\frac{7+8}{1},$$
$$\frac{(9+7)+8}{1},\ \frac{9+(7+8)}{1},\ (9+7)+8^1,\ 9+\left(7+8^1\right),\ 9+(7+8)^1,\ ((9+7)+8)^1,\ (9+(7+8))^1,$$
$$(9+7)+\text{root}[8,\,1],\ 9+(7+\text{root}[8,\,1]),\ 9+\text{root}[7+8,\,1],\ \text{root}[(9+7)+8,\,1],$$
$$\text{root}[9+(7+8),\,1],\ (9+8)\,1+7,\ (9+8\times 1)+7,\ \left(9+\frac{8}{1}\right)+7,\ \frac{9+8}{1}+7,\ \left(9+8^1\right)+7,$$
$$(9+8)^1+7,\ (9+\text{root}[8,\,1])+7,\ \text{root}[9+8,\,1]+7,\ (9+8)+1\times 7,\ 9+(8\times 1+7),\ 9+\left(\frac{8}{1}+7\right),$$
$$9+\left(8^1+7\right),\ 9+(\text{root}[8,\,1]+7),\ 9+(8+1\times 7),\ ((9+8)+7)\,1,\ (9+(8+7))\,1,\ (9+8)+7\times 1,$$
$$9+(8+7)\,1,\ 9+(8+7\times 1),\ (9+8)+\frac{7}{1},\ 9+\left(8+\frac{7}{1}\right),\ 9+\frac{8+7}{1},\ \frac{(9+8)+7}{1},\ \frac{9+(8+7)}{1},$$
$$(9+8)+7^1,\ 9+\left(8+7^1\right),\ 9+(8+7)^1,\ ((9+8)+7)^1,\ (9+(8+7))^1,\ (9+8)+\text{root}[7,\,1],$$
$$9+(8+\text{root}[7,\,1]),\ 9+\text{root}[8+7,\,1],\ \text{root}[(9+8)+7,\,1],\ \text{root}[9+(8+7),\,1]\Big\}\Big\},$$

$$\Big\{\{1,\,7,\,8,\,10\},\ \Big\{8\bmod[10,\,7],\ 8\bmod[10,\,7],\ 8\,(10-7),\ 8\,(10-7),\ \text{mod}[10,\,7]\,8,$$
$$\text{mod}[1\times 10,\,7]\,8,\ (10-7)\,8,\ (1\times 10-7)\,8,\ \text{mod}[10,\,7]\,8,\ (10-7)\,8,\ ((7-1)+8)+10,$$
$$(7-(1-8))+10,\ (7-1)+(8+10),\ 7-(1-(8+10)),\ 7-((1-8)-10),\ ((7-1)+10)+8,$$
$$(7-(1-10))+8,\ (7-1)+(10+8),\ 7-(1-(10+8)),\ 7-((1-10)-8),\ (7+(8-1))+10,$$
$$((7+8)-1)+10,\ 7+((8-1)+10),\ 7+(8-(1-10)),\ (7+8)-(1-10),\ (7+8)+(10-1),$$
$$7+(8+(10-1)),\ 7+((8+10)-1),\ ((7+8)+10)-1,\ (7+(8+10))-1,\ (7+(10-1))+8,$$
$$((7+10)-1)+8,\ 7+((10-1)+8),\ 7+(10-(1-8)),\ (7+10)-(1-8),\ (7+10)+(8-1),$$
$$7+(10+(8-1)),\ 7+((10+8)-1),\ ((7+10)+8)-1,\ (7+(10+8))-1,\ ((8-1)+7)+10,$$
$$(8-(1-7))+10,\ (8-1)+(7+10),\ 8-(1-(7+10)),\ 8-((1-7)-10),\ ((8-1)+10)+7,$$
$$(8-(1-10))+7,\ (8-1)+(10+7),\ \frac{8}{\frac{1}{\text{mod}[10,7]}},\ \frac{8}{\frac{1}{10-7}},\ 8\bmod[10,\,7],\ \frac{8}{1}\bmod[10,\,7],$$
$$8^1\bmod[10,\,7],\ \text{root}[8,\,1]\bmod[10,\,7],\ 8\bmod[10,\,7],\ 8\bmod[1\times 10,\,7],\ 8-(1-(10+7)),$$
$$8-((1-10)-7),\ 8\,(10-7),\ \frac{8}{1}\,(10-7),\ 8^1\,(10-7),\ \text{root}[8,\,1]\,(10-7),\ 8\,(10-7),$$
$$8\,(1\times 10-7),\ (8+(7-1))+10,\ ((8+7)-1)+10,\ 8+((7-1)+10),\ 8+(7-(1-10)),$$
$$(8+7)-(1-10),\ (8+7)+(10-1),\ 8+(7+(10-1)),\ 8+((7+10)-1),\ ((8+7)+10)-1,$$

$$(8+(7+10))-1,\ (8+(10-1))+7,\ ((8+10)-1)+7,\ 8+((10-1)+7),\ 8\bmod[10,\ 1\times 7],$$
$$8\bmod[10\times 1,\ 7],\ 8\bmod\left[\frac{10}{1},\ 7\right],\ 8\bmod\left[10^1,\ 7\right],\ 8\bmod[\text{root}[10,\ 1],\ 7],\ 8\ (10-1\times 7),$$
$$8+(10-(1-7)),\ 8\ (10\times 1-7),\ (8+10)-(1-7),\ 8\left(\frac{10}{1}-7\right),\ 8\left(10^1-7\right),\ 8\ (\text{root}[10,\ 1]-7),$$
$$8\bmod[10,\ 7],\ 8\ (10-7),\ 8\bmod[10,\ 7],\ 8\ (10-7),\ 8\ \frac{\bmod[10,\ 7]}{1},\ \frac{8\bmod[10,\ 7]}{1},\ 8\ \frac{10-7}{1},$$
$$\frac{8\ (10-7)}{1},\ 8\bmod[10,\ 7\times 1],\ 8\bmod\left[10,\ \frac{7}{1}\right],\ 8\bmod\left[10,\ 7^1\right],\ 8\bmod[10,\ \text{root}[7,\ 1]],$$
$$8\bmod[10,\ 7]^1,\ (8\bmod[10,\ 7])^1,\ 8\ (10-7)^1,\ (8\ (10-7))^1,\ 8\ \text{root}[\bmod[10,\ 7],\ 1],$$
$$\text{root}[8\bmod[10,\ 7],\ 1],\ 8\ \text{root}[10-7,\ 1],\ \text{root}[8\ (10-7),\ 1],\ (8+10)+(7-1),$$
$$8+(10+(7-1)),\ 8\ (10-7\times 1),\ 8\left(10-\frac{7}{1}\right),\ 8\left(10-7^1\right),\ 8\ (10-\text{root}[7,\ 1]),\ 8+((10+7)-1),$$
$$((8+10)+7)-1,\ (8+(10+7))-1,\ \bmod[10,\ 1\times 7]\ 8,\ \bmod[10\times 1,\ 7]\ 8,\ \bmod\left[\frac{10}{1},\ 7\right]\ 8,$$
$$\bmod\left[10^1,\ 7\right]\ 8,\ \bmod[\text{root}[10,\ 1],\ 7]\ 8,\ (10-1\times 7)\ 8,\ (10\times 1-7)\ 8,\ \left(\frac{10}{1}-7\right)\ 8,$$
$$\left(10^1-7\right)\ 8,\ (\text{root}[10,\ 1]-7)\ 8,\ ((10-1)+7)+8,\ (10-(1-7))+8,\ (10-1)+(7+8),$$
$$10-(1-(7+8)),\ 10-((1-7)-8),\ ((10-1)+8)+7,\ (10-(1-8))+7,\ (10-1)+(8+7),$$
$$10-(1-(8+7)),\ 10-((1-8)-7),\ \bmod[10,\ 7]\ 8,\ (10-7)\ 8,\ \frac{\bmod[10,\ 7]}{1}\ 8,\ \frac{10-7}{1}\ 8,$$
$$\bmod[10,\ 7\times 1]\ 8,\ \bmod\left[10,\ \frac{7}{1}\right]\ 8,\ \bmod\left[10,\ 7^1\right]\ 8,\ \bmod[10,\ \text{root}[7,\ 1]]\ 8,\ \bmod[10,\ 7]^1\ 8,$$
$$(10-7)^1\ 8,\ \text{root}[\bmod[10,\ 7],\ 1]\ 8,\ \text{root}[10-7,\ 1]\ 8,\ (10-7\times 1)\ 8,\ \left(10-\frac{7}{1}\right)\ 8,\ \left(10-7^1\right)\ 8,$$
$$(10-\text{root}[7,\ 1])\ 8,\ \bmod[10,\ 7]\ 8,\ (10-7)\ 8,\ (10+(7-1))+8,\ ((10+7)-1)+8,$$
$$10+((7-1)+8),\ \frac{\bmod[10,\ 7]}{\frac{1}{8}},\ \frac{10-7}{\frac{1}{8}},\ 10+(7-(1-8)),\ (10+7)-(1-8),\ \bmod[10,\ 7]\ 8,$$
$$(10-7)\ 8,\ \bmod[10,\ 7]\ 8,\ (10-7)\ 8,\ \bmod[10,\ 7]\ \frac{8}{1},\ (10-7)\ \frac{8}{1},\ \frac{\bmod[10,\ 7]\ 8}{1},\ \frac{(10-7)\ 8}{1},$$
$$\bmod[10,\ 7]\ 8^1,\ (10-7)\ 8^1,\ (\bmod[10,\ 7]\ 8)^1,\ ((10-7)\ 8)^1,\ \bmod[10,\ 7]\ \text{root}[8,\ 1],$$
$$(10-7)\ \text{root}[8,\ 1],\ \text{root}[\bmod[10,\ 7]\ 8,\ 1],\ \text{root}[(10-7)\ 8,\ 1],\ (10+7)+(8-1),$$
$$10+(7+(8-1)),\ 10+((7+8)-1),\ ((10+7)+8)-1,\ (10+(7+8))-1,\ (10+(8-1))+7,$$
$$((10+8)-1)+7,\ 10+((8-1)+7),\ 10+(8-(1-7)),\ (10+8)-(1-7),\ (10+8)+(7-1),$$
$$10+(8+(7-1)),\ 10+((8+7)-1),\ ((10+8)+7)-1,\ (10+(8+7))-1\Big\}\Big\},$$

$$\{\{1,\ 7,\ 9,\ 9\},\ \{((7-1)+9)+9,\ (7-(1-9))+9,\ (7-1)+(9+9),\ 7-(1-(9+9)),$$
$$7-((1-9)-9),\ (7+(9-1))+9,\ ((7+9)-1)+9,\ 7+((9-1)+9),$$
$$7+(9-(1-9)),\ (7+9)-(1-9),\ (7+9)+(9-1),\ 7+(9+(9-1)),$$
$$7+((9+9)-1),\ ((7+9)+9)-1,\ (7+(9+9))-1,\ ((9-1)+7)+9,$$
$$(9-(1-7))+9,\ (9-1)+(7+9),\ 9-(1-(7+9)),\ 9-((1-7)-9),\ ((9-1)+9)+7,$$
$$(9-(1-9))+7,\ (9-1)+(9+7),\ 9-(1-(9+7)),\ 9-((1-9)-7),\ (9+(7-1))+9,$$
$$((9+7)-1)+9,\ 9+((7-1)+9),\ 9+(7-(1-9)),\ (9+7)-(1-9),\ (9+7)+(9-1),$$
$$9+(7+(9-1)),\ 9+((7+9)-1),\ ((9+7)+9)-1,\ (9+(7+9))-1,\ (9+(9-1))+7,$$
$$((9+9)-1)+7,\ 9+((9-1)+7),\ 9+(9-(1-7)),\ (9+9)-(1-7),\ (9+9)+(7-1),$$
$$9+(9+(7-1)),\ 9+((9+7)-1),\ ((9+9)+7)-1,\ (9+(9+7))-1\}\},$$

$$\{\{1,\ 7,\ 9,\ 10\},\ \{(1-9)\ (7-10),\ (7-10)\ (1-9),\ (9-1)\bmod[10,\ 7],$$
$$(9-1)\ (10-7),\ \bmod[10,\ 7]\ (9-1),\ (10-7)\ (9-1)\}\},\ \{\{1,\ 7,\ 10,\ 10\},\ \{\}\},$$

$$\Big\{\{1,\ 8,\ 8,\ 8\},\ \Big\{1\ ((8+8)+8),\ 1\ (8+8)+8,\ (1\times 8+8)+8,\ 1\ (8+(8+8)),\ 1\times 8+(8+8),$$
$$(8\times 1+8)+8,\ \left(\frac{8}{1}+8\right)+8,\ \left(8^1+8\right)+8,\ (\text{root}[8,\ 1]+8)+8,\ (8+1\times 8)+8,\ 8\times 1+(8+8),$$

$$\frac{8}{1}+(8+8),\ 8^1+(8+8),\ \text{root}[8,\ 1]+(8+8),\ 8+1\ (8+8),\ 8+(1\times 8+8),\ (8+8)\ 1+8,$$
$$(8+8\times 1)+8,\ \left(8+\frac{8}{1}\right)+8,\ \frac{8+8}{1}+8,\ \left(8+8^1\right)+8,\ (8+8)^1+8,\ (8+\text{root}[8,\ 1])+8,$$
$$\text{root}[8+8,\ 1]+8,\ (8+8)+1\times 8,\ 8+(8\times 1+8),\ 8+\left(\frac{8}{1}+8\right),\ 8+\left(8^1+8\right),$$
$$8+(\text{root}[8,\ 1]+8),\ 8+(8+1\times 8),\ ((8+8)+8)\ 1,\ (8+(8+8))\ 1,\ (8+8)+8\times 1,$$
$$8+(8+8)\ 1,\ 8+(8+8\times 1),\ (8+8)+\frac{8}{1},\ 8+\left(8+\frac{8}{1}\right),\ 8+\frac{8+8}{1},\ \frac{(8+8)+8}{1},\ \frac{8+(8+8)}{1},$$
$$(8+8)+8^1,\ 8+\left(8+8^1\right),\ 8+(8+8)^1,\ ((8+8)+8)^1,\ (8+(8+8))^1,\ (8+8)+\text{root}[8,\ 1],$$
$$8+(8+\text{root}[8,\ 1]),\ 8+\text{root}[8+8,\ 1],\ \text{root}[(8+8)+8,\ 1],\ \text{root}[8+(8+8),\ 1]\Big\}\Big\},$$

$$\{\{1,\ 8,\ 8,\ 9\},\ \{((8-1)+8)+9,\ (8-(1-8))+9,\ (8-1)+(8+9),\ 8-(1-(8+9)),$$
$$8-((1-8)-9),\ ((8-1)+9)+8,\ (8-(1-9))+8,\ (8-1)+(9+8),$$
$$8-(1-(9+8)),\ 8-((1-9)-8),\ (8+(8-1))+9,\ ((8+8)-1)+9,$$
$$8+((8-1)+9),\ 8+(8-(1-9)),\ (8+8)-(1-9),\ (8+8)+(9-1),$$
$$8+(8+(9-1)),\ 8+((8+9)-1),\ ((8+8)+9)-1,\ (8+(8+9))-1,\ (8+(9-1))+8,$$
$$((8+9)-1)+8,\ 8+((9-1)+8),\ 8+(9-(1-8)),\ (8+9)-(1-8),\ (8+9)+(8-1),$$
$$8+(9+(8-1)),\ 8+((9+8)-1),\ ((8+9)+8)-1,\ (8+(9+8))-1,\ ((9-1)+8)+8,$$
$$(9-(1-8))+8,\ (9-1)+(8+8),\ 9-(1-(8+8)),\ 9-((1-8)-8),\ (9+(8-1))+8,$$
$$((9+8)-1)+8,\ 9+((8-1)+8),\ 9+(8-(1-8)),\ (9+8)-(1-8),\ (9+8)+(8-1),$$
$$9+(8+(8-1)),\ 9+((8+8)-1),\ ((9+8)+8)-1,\ (9+(8+8))-1\}\},$$
$$\{\{1,\ 8,\ 8,\ 10\},\ \{((1-8)+10)\ 8,\ (1-(8-10))\ 8,\ (1+\text{mod}[10,\ 8])\ 8,\ \text{mod}[1+10,\ 8]\ 8,$$
$$(1+(10-8))\ 8,\ ((1+10)-8)\ 8,\ 8\ ((1-8)+10),\ 8\ (1-(8-10)),\ 8\ (1+\text{mod}[10,\ 8]),$$
$$8\ \text{mod}[1+10,\ 8],\ 8\ (1+(10-8)),\ 8\ ((1+10)-8),\ 8\ \text{mod}[10+1,\ 8],$$
$$8\ (10+(1-8)),\ 8\ ((10+1)-8),\ 8\ (\text{mod}[10,\ 8]+1),\ 8\ ((10-8)+1),$$
$$8\ \text{mod}[10,\ 8-1],\ 8\ (10-(8-1)),\ \text{mod}[10+1,\ 8]\ 8,\ (10+(1-8))\ 8,\ ((10+1)-8)\ 8,$$
$$(\text{mod}[10,\ 8]+1)\ 8,\ ((10-8)+1)\ 8,\ \text{mod}[10,\ 8-1]\ 8,\ (10-(8-1))\ 8\}\},$$
$$\{\{1,\ 8,\ 9,\ 9\},\ \{\}\},\ \{\{1,\ 8,\ 9,\ 10\},\ \{\}\},\ \{\{1,\ 8,\ 10,\ 10\},\ \{\}\},$$
$$\{\{1,\ 9,\ 9,\ 9\},\ \{\}\},$$
$$\{\{1,\ 9,\ 9,\ 10\},\ \{\}\},$$
$$\{\{1,\ 9,\ 10,\ 10\},\ \{\}\},$$
$$\{\{1,\ 10,\ 10,\ 10\},\ \{\}\},$$
$$\{\{2,\ 2,\ 2,\ 2\},\ \{\}\},$$
$$\Big\{\{2,\ 2,\ 2,\ 3\},\ \Big\{((2\times 2)\ 2)\ 3,\ ((2+2)\ 2)\ 3,\ \left(2^2\ 2\right)\ 3,\ (2\ (2\times 2))\ 3,\ (2\ (2+2))\ 3,\ \left(2\times 2^2\right)\ 3,$$
$$(2\times 2)\ (2\times 3),\ (2+2)\ (2\times 3),\ 2^2\ (2\times 3),\ 2\ ((2\times 2)\ 3),\ 2\ ((2+2)\ 3),\ 2\ \left(2^2\ 3\right),\ 2\ (2\ (2\times 3)),$$
$$((2\times 2)\ 3)\ 2,\ ((2+2)\ 3)\ 2,\ \left(2^2\ 3\right)\ 2,\ (2\ (2\times 3))\ 2,\ (2\times 2)\ (3\times 2),\ (2+2)\ (3\times 2),$$
$$2^2\ (3\times 2),\ 2\ ((2\times 3)\ 2),\ 2\ (2\ (3\times 2)),\ ((2\times 3)\ 2)\ 2,\ (2\ (3\times 2))\ 2,\ (2\times 3)\ (2\times 2),$$
$$2\ ((3\times 2)\ 2),\ 2\ (3\ (2\times 2)),\ (2\times 3)\ (2+2),\ 2\ (3\ (2+2)),\ (2\times 3)\ 2^2,\ 2\ \left(3\times 2^2\right),$$
$$((3\times 2)\ 2)\ 2,\ (3\ (2\times 2))\ 2,\ (3\ (2+2))\ 2,\ \left(3\times 2^2\right)\ 2,\ (3\times 2)\ (2\times 2),\ 3\ ((2\times 2)\ 2),$$
$$3\ ((2+2)\ 2),\ 3\ \left(2^2\ 2\right),\ 3\ (2\ (2\times 2)),\ (3\times 2)\ (2+2),\ 3\ (2\ (2+2)),\ (3\times 2)\ 2^2,\ 3\ \left(2\times 2^2\right)\Big\}\Big\},$$
$$\Big\{\{2,\ 2,\ 2,\ 4\},\ \Big\{(2\times 2+2)\ 4,\ ((2+2)+2)\ 4,\ \left(2^2+2\right)\ 4,\ (2+2\times 2)\ 4,\ (2+(2+2))\ 4,$$
$$\left(2+2^2\right)\ 4,\ (2\times 2)\ (2+4),\ (2+2)\ (2+4),\ 2^2\ (2+4),\ 2\ (2\ (2+4)),\ (2\ (2+4))\ 2,$$
$$2\ ((2+4)\ 2),\ (2\times 2)\ (4+2),\ (2+2)\ (4+2),\ 2^2\ (4+2),\ 2\ (2\ (4+2)),$$
$$((2+4)\ 2)\ 2,\ (2\ (4+2))\ 2,\ (2+4)\ (2\times 2),\ 2\ ((4+2)\ 2),\ (2+4)\ (2+2),$$
$$(2+4)\ 2^2,\ ((4+2)\ 2)\ 2,\ (4+2)\ (2\times 2),\ (4+2)\ (2+2),\ 4\ (2\times 2+2),$$
$$4\ ((2+2)+2),\ 4\ \left(2^2+2\right),\ 4\ (2+2\times 2),\ 4\ (2+(2+2)),\ (4+2)\ 2^2,\ 4\ \left(2+2^2\right)\Big\}\Big\},$$
$$\Big\{\{2,\ 2,\ 2,\ 5\},\ \Big\{2\ (2+2\times 5),\ (2+2\times 5)\ 2,\ 2\ (2\times 5+2),\ 2\ (2+5\times 2),\ (2\times 5+2)\ 2,$$
$$(2+5\times 2)\ 2,\ 2\ (5\times 2+2),\ (5\times 2+2)\ 2,\ 5^2-\frac{2}{2},\ 5^2-\text{Log}[2,\ 2]\Big\}\Big\},$$
$$\Big\{\{2,\ 2,\ 2,\ 6\},\ \Big\{2^{2+\text{Log}[2,6]},\ 2^{\text{Log}[2,6]+2},\ (2\ \text{root}[6,\ 2])^2,\ (\text{root}[6,\ 2]\ 2)^2\Big\}\Big\},$$
$$\{\{2,\ 2,\ 2,\ 7\},\ \{2\ (2\times 7-2),\ (2\times 7-2)\ 2,\ 2\ (7\times 2-2),\ (7\times 2-2)\ 2\}\},$$
$$\Big\{\{2,\ 2,\ 2,\ 8\},\ \Big\{\left(\frac{2}{2}+2\right)\ 8,\ (\text{Log}[2,\ 2]+2)\ 8,\ \left(2+\frac{2}{2}\right)\ 8,\ (2+\text{Log}[2,\ 2])\ 8,\ 2\ (2\times 2+8),$$

$$2\,((2+2)+8),\ 2\left(2^2+8\right),\ 2^{2\times 2}+8,\ 2^{2+2}+8,\ 2^{2^2}+8,\ (2\times 2)^2+8,\ (2+2)^2+8,$$
$$\left(2^2\right)^2+8,\ 2\,(2+(2+8)),\ (2\times 2+8)\,2,\ ((2+2)+8)\,2,\ \left(2^2+8\right)2,\ (2+(2+8))\,2,$$
$$2\,((2+8)+2),\ 2\,(2+(8+2)),\ (2\times 2)\,(8-2),\ (2+2)\,(8-2),\ 2^2\,(8-2),\ 2\,(2\,(8-2)),$$
$$((2+8)+2)\,2,\ (2+(8+2))\,2,\ (2\,(8-2))\,2,\ 2\,((8-2)\,2),\ 2\,((8+2)+2),\ 2\,(8+2\times 2),$$
$$2\,(8+(2+2)),\ 2\left(8+2^2\right),\ ((8-2)\,2)\,2,\ ((8+2)+2)\,2,\ (8+2\times 2)\,2,\ (8+(2+2))\,2,$$
$$\left(8+2^2\right)2,\ (8-2)\,(2\times 2),\ (8-2)\,(2+2),\ 8\left(\frac{2}{2}+2\right),\ 8\,(\text{Log}[2,\,2]+2),\ 8\left(2+\frac{2}{2}\right),$$
$$8\,(2+\text{Log}[2,\,2]),\ (8-2)\,2^2,\ 8+2^{2\times 2},\ 8+2^{2+2},\ 8+2^{2^2},\ 8+(2\times 2)^2,\ 8+(2+2)^2,\ 8+\left(2^2\right)^2\Big\}\Big\},$$
$$\{\{2,\,2,\,2,\,9\},\ \{2+2\,(2+9),\ 2\,(2+9)+2,\ 2+(2+9)\,2,\ 2+2\,(9+2),$$
$$(2+9)\,2+2,\ 2\,(9+2)+2,\ 2+(9+2)\,2,\ (9+2)\,2+2\}\},$$
$$\Big\{\{2,\,2,\,2,\,10\},\ \Big\{2\times 2+2\times 10,\ (2+2)+2\times 10,\ 2^2+2\times 10,\ 2+(2+2\times 10),\ (2+2\times 10)+2,$$
$$2\times 2+10\times 2,\ (2+2)+10\times 2,\ 2^2+10\times 2,\ 2+(2\times 10+2),\ 2+(2+10\times 2),$$
$$(2\times 10+2)+2,\ (2+10\times 2)+2,\ 2\times 10+2\times 2,\ 2\times 10+(2+2),\ 2+(10\times 2+2),$$
$$2\times 10+2^2,\ (10\times 2+2)+2,\ 10\times 2+2\times 2,\ 10\times 2+(2+2),\ 10\times 2+2^2\Big\}\Big\},$$
$$\Big\{\{2,\,2,\,3,\,3\},\ \Big\{(2+2\times 3)\,3,\ (2\times 2)\,(3+3),\ (2+2)\,(3+3),\ 2^2\,(3+3),\ 2\,(2\,(3+3)),$$
$$2^{\text{Log}[2,3]+3},\ (2\times 3+2)\,3,\ (2+3\times 2)\,3,\ 2\left(3^2+3\right),\ 2^{3+\text{Log}[2,3]},\ (2\,(3+3))\,2,\ 2\,((3+3)\,2),$$
$$2\left(3+3^2\right),\ (3\times 2+2)\,3,\ 3\,(2+2\times 3),\ \left(3^2+3\right)2,\ 3\,(2\times 3+2),\ 3\,(2+3\times 2),$$
$$((3+3)\,2)\,2,\ \left(3+3^2\right)2,\ (3+3)\,(2\times 2),\ (3+3)\,(2+2),\ 3\,(3\times 2+2),\ (3+3)\,2^2\Big\}\Big\},$$
$$\Big\{\{2,\,2,\,3,\,4\},\ \Big\{2\left(2^3+4\right),\ (2\times 2+4)\,3,\ ((2+2)+4)\,3,\ \left(2^2+4\right)3,\ (2+(2+4))\,3,$$
$$\left(2^3-2\right)4,\ 2^3+2^4,\ \left(2^3+4\right)2,\ 2^3+4^2,\ ((2+4)+2)\,3,\ (2+(4+2))\,3,\ \frac{2^4}{2}\,3,\ \frac{2^4}{\frac{2}{3}},$$
$$2\left(4+2^3\right),\ 2^4+2^3,\ 2^4\,\frac{3}{2},\ \frac{2^4\,3}{2},\ 3\,(2\times 2+4),\ 3\,((2+2)+4),\ 3\left(2^2+4\right),\ 3\,(2+(2+4)),$$
$$\frac{3}{\frac{2}{2^4}},\ \frac{3}{2}\,2^4,\ 3\,((2+4)+2),\ 3\,(2+(4+2)),\ \frac{3}{\frac{2}{4^2}},\ 3\,\frac{2^4}{2},\ \frac{3\times 2^4}{2},\ \frac{3}{2}\,4^2,\ 3\,((4+2)+2),$$
$$3\,(4+2\times 2),\ 3\,(4+(2+2)),\ 3\,\frac{4^2}{2},\ \frac{3\times 4^2}{2},\ 3\left(4+2^2\right),\ ((4+2)+2)\,3,\ (4+2\times 2)\,3,$$
$$(4+(2+2))\,3,\ \frac{4^2}{2}\,3,\ \left(4+2^2\right)3,\ \frac{4^2}{\frac{2}{3}},\ 4^2+2^3,\ \left(4+2^3\right)2,\ 4^2\,\frac{3}{2},\ \frac{4^2\,3}{2},\ 4\left(2^3-2\right)\Big\}\Big\},$$
$$\Big\{\{2,\,2,\,3,\,5\},\ \Big\{(2-3)+5^2,\ 2-\left(3-5^2\right),\ 2^3\,(5-2),\ 2^{5-2}\,3,\ (2\times 5-2)\,3,\ 2^5-2^3,$$
$$2+\left(5^2-3\right),\ \left(2+5^2\right)-3,\ \frac{3}{2^{2-5}},\ 3\times 2^{5-2},\ 3\,(2\times 5-2),\ 3\,(5\times 2-2),\ (5\times 2-2)\,3,$$
$$(5-2)\,2^3,\ 5^2+(2-3),\ \left(5^2+2\right)-3,\ \left(5^2-3\right)+2,\ 5^2-\text{mod}[3,\,2],\ 5^2-(3-2)\Big\}\Big\},$$
$$\Big\{\{2,\,2,\,3,\,6\},\ \Big\{\left(\frac{2}{2}+3\right)6,\ (\text{Log}[2,\,2]+3)\,6,\ (2\,\text{mod}[2,\,3])\,6,\ (2+\text{mod}[2,\,3])\,6,\ 2^{\text{mod}[2,3]}\,6,$$
$$2\,(\text{mod}[2,\,3]\,6),\ 2\,(2\times 3+6),\ \text{root}[2,\,2]^6\,3,\ (\text{mod}[2,\,3]\,2)\,6,\ (\text{mod}[2,\,3]+2)\,6,$$
$$\frac{2^3}{2}\,6,\ \text{mod}[2,\,3]^2\,6,\ (2\times 3-2)\,6,\ \text{mod}[2,\,3]\,(2\times 6),\ 2\,(3\times 2+6),\ 2\times 3^2+6,\ \frac{2^3}{\frac{2}{6}},$$
$$(\text{mod}[2,\,3]\,6)\,2,\ (2\times 3+6)\,2,\ \text{mod}[2,\,3]\,(6\times 2),\ \frac{2}{\frac{3}{6^2}},\ 2^3\,\frac{6}{2},\ \frac{2^3\,6}{2},\ \frac{2}{3}\,6^2,\ (2\times 3)\,(6-2),$$
$$2\,(3\,(6-2)),\ 2^{\frac{6}{2}}\,3,\ \text{root}\left[2^6,\,2\right]3,\ (2\,(6-2))\,3,\ 2\,((6-2)\,3),\ 2\,(6+2\times 3),\ 2\,\frac{6^2}{3},$$

$$\frac{2\times 6^2}{3},\ (2\times 6)\bmod[2,\ 3],\ 2\ (6\bmod[2,\ 3]),\ 2\ (6+3\times 2),\ \left(3+\frac{2}{2}\right)\ 6,\ (3+\text{Log}[2,\ 2])\ 6,$$

$$(3\times 2-2)\ 6,\ 3^2\ 2+6,\ 3\ \text{root}[2,\ 2]^6,\ (3\times 2+6)\ 2,\ 3\times 2^{\frac{6}{2}},\ 3\ \text{root}\left[2^6,\ 2\right],\ (3\times 2)\ (6-2),$$

$$3\ (2\ (6-2)),\ (3\ (6-2))\ 2,\ 3\ ((6-2)\ 2),\ ((6-2)\ 2)\ 3,\ (6-2)\ (2\times 3),\ 6\ \left(\frac{2}{2}+3\right),$$

$$6\ (\text{Log}[2,\ 2]+3),\ 6^2\ \frac{2}{3},\ \frac{6}{\frac{2}{2^3}},\ \frac{6^2\ 2}{3},\ (6\times 2)\bmod[2,\ 3],\ 6\ (2\bmod[2,\ 3]),\ 6\ (2+\text{mod}[2,\ 3]),$$

$$\frac{6}{2}\ 2^3,\ 6\times 2^{\text{mod}[2,3]},\ ((6-2)\ 3)\ 2,\ (6+2\times 3)\ 2,\ \frac{6^2}{3}\ 2,\ (6\bmod[2,\ 3])\ 2,\ (6-2)\ (3\times 2),$$

$$6\ (\text{mod}[2,\ 3]\ 2),\ 6\ (\text{mod}[2,\ 3]+2),\ 6\ \frac{2^3}{2},\ \frac{6\times 2^3}{2},\ \frac{6^2}{\frac{3}{2}},\ 6+2\times 3^2,\ 6\ \text{mod}[2,\ 3]^2,$$

$$6\ (2\times 3-2),\ (6+3\times 2)\ 2,\ 6+3^2\ 2,\ 6\ \left(3+\frac{2}{2}\right),\ 6\ (3+\text{Log}[2,\ 2]),\ 6\ (3\times 2-2)\Big\}\Big\},$$

$$\Big\{\{2,\ 2,\ 3,\ 7\},\ \Big\{2\ ((2+3)+7),\ 2\ (2+(3+7)),\ \left(\frac{2}{2}+7\right)\ 3,\ (\text{Log}[2,\ 2]+7)\ 3,\ 2\ ((2+7)+3),$$

$$2\ (2+(7+3)),\ 2\ ((3+2)+7),\ 2\ (3+(2+7)),\ ((2+3)+7)\ 2,\ (2+(3+7))\ 2,$$

$$2\ ((3+7)+2),\ 2\ (3+(7+2)),\ 2\ ((7+2)+3),\ 2\ (7+(2+3)),\ ((2+7)+3)\ 2,$$

$$(2+(7+3))\ 2,\ 2\ ((7+3)+2),\ 2\ (7+(3+2)),\ 3\ \left(\frac{2}{2}+7\right),\ 3\ (\text{Log}[2,\ 2]+7),\ ((3+2)+7)\ 2,$$

$$(3+(2+7))\ 2,\ ((3+7)+2)\ 2,\ (3+(7+2))\ 2,\ 3\ \left(7+\frac{2}{2}\right),\ 3\ (7+\text{Log}[2,\ 2]),\ \left(7+\frac{2}{2}\right)\ 3,$$

$$(7+\text{Log}[2,\ 2])\ 3,\ ((7+2)+3)\ 2,\ (7+(2+3))\ 2,\ ((7+3)+2)\ 2,\ (7+(3+2))\ 2\Big\}\Big\},$$

$$\Big\{\{2,\ 2,\ 3,\ 8\},\ \Big\{\left(\frac{2}{2}\ 3\right)\ 8,\ (\text{Log}[2,\ 2]\ 3)\ 8,\ (\text{mod}[2,\ 2]+3)\ 8,\ ((2-2)+3)\ 8,\ \frac{2}{\frac{2}{3}}\ 8,$$

$$\text{Log}\left[2,\ 2^3\right]\ 8,\ 2^{\text{Log}[2,3]}\ 8,\ (2-(2-3))\ 8,\ \frac{2}{2}\ (3\times 8),\ \text{Log}[2,\ 2]\ (3\times 8),\ 2\times 2^3+8,$$

$$\text{mod}[2,\ 2]+3\times 8,\ (2-2)+3\times 8,\ 2+2\ (3+8),\ \frac{2}{\frac{2}{3\times 8}},\ \frac{2}{\frac{2}{\frac{3}{8}}},\ \text{Log}\left[2,\ \left(2^3\right)^8\right],\ 2^{\text{Log}[2,3\times 8]},$$

$$2-(2-3\times 8),\ 2^{2+3}-8,\ \left(\frac{2}{2}\ 8\right)\ 3,\ (\text{Log}[2,\ 2]\ 8)\ 3,\ (\text{mod}[2,\ 2]+8)\ 3,\ ((2-2)+8)\ 3,\ \frac{2}{\frac{2}{8}}\ 3,$$

$$\text{Log}\left[2,\ 2^8\right]\ 3,\ 2^{\text{Log}[2,8]}\ 3,\ (2-(2-8))\ 3,\ \frac{2}{2}\ (8\times 3),\ \text{Log}[2,\ 2]\ (8\times 3),\ \text{mod}[2,\ 2]+8\times 3,$$

$$(2-2)+8\times 3,\ 2+2\ (8+3),\ \frac{2}{\frac{2}{8\times 3}},\ \frac{2}{\frac{\frac{2}{8}}{3}},\ \text{Log}\left[2,\ \left(2^8\right)^3\right],\ 2^{\text{Log}[2,8\times 3]},\ 2-(2-8\times 3),\ \left(2\times\frac{3}{2}\right)\ 8,$$

$$\frac{2\times 3}{2}\ 8,\ \text{Log}[\text{root}[2,\ 3],\ 2]\ 8,\ (2+\text{mod}[3,\ 2])\ 8,\ (2+(3-2))\ 8,\ ((2+3)-2)\ 8,$$

$$2\ \left(\frac{3}{2}\ 8\right),\ 2^3\ 2+8,\ 2^3+2\times 8,\ 2\ \frac{3}{\frac{2}{8}},\ \frac{2\times 3}{\frac{2}{8}},\ 2^3\ \text{Log}[2,\ 8],\ 2^{3+2}-8,\ 2\ (3+8)+2,\ 2^3+8\times 2,$$

$$2+(3+8)\ 2,\ (2\times 3)\ \frac{8}{2},\ 2\ \left(3\times\frac{8}{2}\right),\ 2\ \frac{3\times 8}{2},\ \frac{(2\times 3)\ 8}{2},\ \frac{2\ (3\times 8)}{2},\ \frac{2^3}{\text{Log}[8,\ 2]},\ 2+(3\times 8-2),$$

$$(2+3\times 8)-2,\ \left(2\times\frac{8}{2}\right)3,\ \frac{2\times 8}{2}3,\ \text{Log}[\text{root}[2,8],2]\,3,\ (2+(8-2))\,3,\ ((2+8)-2)\,3,$$

$$2\left(\frac{8}{2}3\right),\ 2\,\frac{8}{\frac{2}{3}},\ \frac{2\times 8}{\frac{2}{3}},\ \text{Log}\left[2,8^{2^3}\right],\ \text{Log}[2,8]\,2^3,\ 2\times 8+2^3,\ 2\,(8+3)+2,\ 2+(8+3)\,2,$$

$$(2\times 8)\,\frac{3}{2},\ 2\left(8\times\frac{3}{2}\right),\ 2\,\frac{8\times 3}{2},\ \frac{(2\times 8)\,3}{2},\ \frac{2\,(8\times 3)}{2},\ 2+(8\times 3-2),\ (2+8\times 3)-2,\ \left(\frac{3}{2}2\right)8,$$

$$(\text{mod}[3,2]+2)\,8,\ ((3-2)+2)\,8,\ \left(3\times\frac{2}{2}\right)8,\ \frac{3}{\frac{2}{2}}8,\ \frac{3}{\text{Log}[2,2]}8,\ \frac{3\times 2}{2}8,\ (3\,\text{Log}[2,2])\,8,$$

$$(3+\text{mod}[2,2])\,8,\ \text{mod}[3,2\times 2]\,8,\ \text{mod}[3,2+2]\,8,\ \text{mod}\left[3,2^2\right]8,\ 3^{\frac{2}{2}}8,\ 3^{\text{Log}[2,2]}8,$$

$$\text{root}[3,2]^2\,8,\ \text{root}\left[3,\frac{2}{2}\right]8,\ \text{root}[3,\text{Log}[2,2]]\,8,\ \text{root}\left[3^2,2\right]8,\ (3+(2-2))\,8,$$

$$(3-\text{mod}[2,2])\,8,\ (3-(2-2))\,8,\ ((3+2)-2)\,8,\ \frac{3}{2}(2\times 8),\ 3\left(\frac{2}{2}8\right),\ 3\,(\text{Log}[2,2]\,8),$$

$$3\,(\text{mod}[2,2]+8),\ 3\,((2-2)+8),\ 3\,\frac{2}{\frac{2}{8}},\ \frac{3}{\frac{2}{2\times 8}},\ \frac{3}{\frac{\frac{2}{2}}{8}},\ \frac{3}{\frac{\text{Log}[2,2]}{8}},\ \frac{3}{\text{Log}[2,\text{root}[2,8]]},$$

$$\frac{3\times 2}{\frac{2}{8}},\ 3\,\text{Log}\left[2,2^8\right],\ 3\times 2^{\text{Log}[2,8]},\ 3\,(2-(2-8)),\ \left(\frac{3}{2}8\right)2,\ \frac{3}{\frac{2}{8}}2,\ \frac{3}{2}(8\times 2),\ \frac{3}{\frac{2}{8\times 2}},\ \frac{3}{\frac{\frac{2}{8}}{2}},$$

$$\frac{3}{\text{Log}\left[2^8,2\right]},\ (3\times 2)\,\frac{8}{2},\ 3\left(2\times\frac{8}{2}\right),\ 3\,\frac{2\times 8}{2},\ \frac{(3\times 2)\,8}{2},\ \frac{3\,(2\times 8)}{2},\ 3\,\text{Log}[\text{root}[2,8],2],$$

$$3\,(2+(8-2)),\ 3\,((2+8)-2),\ \left(3\times\frac{8}{2}\right)2,\ \frac{3\times 8}{2}2,\ 3\left(\frac{8}{2}2\right),\ (3+8)\,2+2,\ 3\,((8-2)+2),$$

$$(3\times 8-2)+2,\ (3\times 8)\,\frac{2}{2},\ 3\left(8\times\frac{2}{2}\right),\ 3\,\frac{8}{\frac{2}{2}},\ 3\,\frac{8}{\text{Log}[2,2]},\ 3\,\frac{8\times 2}{2},\ \frac{(3\times 8)\,2}{2},\ \frac{3\times 8}{\frac{2}{2}},\ \frac{3\times 8}{\text{Log}[2,2]},$$

$$\frac{3\,(8\times 2)}{2},\ (3\times 8)\,\text{Log}[2,2],\ 3\,(8\,\text{Log}[2,2]),\ 3\,(8+\text{mod}[2,2]),\ 3\times 8+\text{mod}[2,2],\ 3\times 8^{\frac{2}{2}},$$

$$3\times 8^{\text{Log}[2,2]},\ (3\times 8)^{\frac{2}{2}},\ (3\times 8)^{\text{Log}[2,2]},\ 3\,\text{root}[8,2]^2,\ \text{root}[3\times 8,2]^2,\ 3\,\text{root}\left[8,\frac{2}{2}\right],$$

$$3\,\text{root}[8,\text{Log}[2,2]],\ \text{root}\left[3\times 8,\frac{2}{2}\right],\ \text{root}[3\times 8,\text{Log}[2,2]],\ 3\,\text{root}\left[8^2,2\right],$$

$$\text{root}\left[(3\times 8)^2,2\right],\ 3\,(8+(2-2)),\ 3\times 8+(2-2),\ 3\,(8-\text{mod}[2,2]),\ 3\,(8-(2-2)),$$

$$3\times 8-\text{mod}[2,2],\ 3\times 8-(2-2),\ 3\,((8+2)-2),\ (3\times 8+2)-2,\ \left(\frac{8}{2}2\right)3,\ ((8-2)+2)\,3,$$

$$\left(8\times\frac{2}{2}\right)3,\ \frac{8}{\frac{2}{2}}3,\ \frac{8}{\text{Log}[2,2]}3,\ \frac{8\times 2}{2}3,\ (8\,\text{Log}[2,2])\,3,\ (8+\text{mod}[2,2])\,3,\ 8^{\frac{2}{2}}3,\ 8^{\text{Log}[2,2]}3,$$

$$\text{root}[8,2]^2\,3,\ \text{root}\left[8,\frac{2}{2}\right]3,\ \text{root}[8,\text{Log}[2,2]]\,3,\ \text{root}\left[8^2,2\right]3,\ (8+(2-2))\,3,$$

$$(8-\text{mod}[2,2])\,3,\ (8-(2-2))\,3,\ ((8+2)-2)\,3,\ \frac{8}{2}(2\times 3),\ 8\left(\frac{2}{2}3\right),\ 8\,(\text{Log}[2,2]\,3),$$

$$8\,(\text{mod}[2,2]+3),\ 8\,((2-2)+3),\ 8\,\frac{2}{\frac{2}{3}},\ \frac{8}{\frac{2}{2\times 3}},\ \frac{8}{\frac{\frac{2}{2}}{3}},\ \frac{8}{\frac{\text{Log}[2,2]}{3}},\ \frac{8}{\text{Log}[2,\text{root}[2,3]]},\ \frac{8\times 2}{\frac{2}{3}},$$

$$8\,\text{Log}\left[2,\,2^3\right],\ 8\times 2+2^3,\ 8+2\times 2^3,\ 8\times 2^{\text{Log}[2,3]},\ 8\,(2-(2-3)),\ \left(\frac{8}{2}\,3\right)\,2,\ \frac{8}{\frac{2}{3}}\,2,\ \frac{8}{2}\,(3\times 2),$$

$$8+2^3\,2,\ (8\times 2)\,\frac{3}{2},\ 8\left(2\times\frac{3}{2}\right),\ \frac{8}{\frac{2}{3\times 2}},\ \frac{8}{\frac{2}{\frac{3}{2}}},\ \frac{8}{\text{Log}\left[2^3,\,2\right]},\ 8\,\frac{2\times 3}{2},\ \frac{(8\times 2)\,3}{2},\ \frac{8\,(2\times 3)}{2},$$

$$8\,\text{Log}[\text{root}[2,\,3],\,2],\ 8\,(2+\text{mod}[3,\,2]),\ 8\,(2+(3-2)),\ 8\,((2+3)-2),\ \left(8\times\frac{3}{2}\right)\,2,\ \frac{8\times 3}{2}\,2,$$

$$8\left(\frac{3}{2}\,2\right),\ (8+3)\,2+2,\ 8\,(\text{mod}[3,\,2]+2),\ 8\,((3-2)+2),\ (8\times 3-2)+2,\ (8\times 3)\,\frac{2}{2},\ 8\left(3\times\frac{2}{2}\right),$$

$$8\,\frac{3}{\frac{2}{2}},\ 8\,\frac{3}{\text{Log}[2,\,2]},\ 8\,\frac{3\times 2}{2},\ \frac{(8\times 3)\,2}{2},\ \frac{8\times 3}{\frac{2}{2}},\ \frac{8\times 3}{\text{Log}[2,\,2]},\ \frac{8\,(3\times 2)}{2},\ (8\times 3)\,\text{Log}[2,\,2],$$

$$8\,(3\,\text{Log}[2,\,2]),\ 8\,(3+\text{mod}[2,\,2]),\ 8\times 3+\text{mod}[2,\,2],\ 8\,\text{mod}[3,\,2\times 2],\ 8\,\text{mod}[3,\,2+2],$$

$$8\,\text{mod}\left[3,\,2^2\right],\ 8\times 3^{\frac{2}{2}},\ 8\times 3^{\text{Log}[2,2]},\ (8\times 3)^{\frac{2}{2}},\ (8\times 3)^{\text{Log}[2,2]},\ 8\,\text{root}[3,\,2]^2,\ \text{root}[8\times 3,\,2]^2,$$

$$8\,\text{root}\left[3,\,\frac{2}{2}\right],\ 8\,\text{root}[3,\,\text{Log}[2,\,2]],\ \text{root}\left[8\times 3,\,\frac{2}{2}\right],\ \text{root}[8\times 3,\,\text{Log}[2,\,2]],$$

$$8\,\text{root}\left[3^2,\,2\right],\ \text{root}\left[(8\times 3)^2,\,2\right],\ 8\,(3+(2-2)),\ 8\times 3+(2-2),\ 8\,(3-\text{mod}[2,\,2]),$$

$$8\,(3-(2-2)),\ 8\times 3-\text{mod}[2,\,2],\ 8\times 3-(2-2),\ 8\,((3+2)-2),\ (8\times 3+2)-2\Big\}\Big\},$$

$$\Big\{\{2,\,2,\,3,\,9\},\ \Big\{\left(2+\frac{2}{3}\right)\,9,\ (2\times 2)\,(9-3),\ (2+2)\,(9-3),\ 2^2\,(9-3),\ 2\,(2\,(9-3)),$$

$$\left(\frac{2}{3}+2\right)\,9,\ 2\times 3+2\times 9,\ 2\times 3+9\times 2,\ 2^3\,\text{root}[9,\,2],\ 2^{\text{root}[9,2]}\,3,\ 2\times 9+2\times 3,\ (2\,(9-3))\,2,$$

$$2\,((9-3)\,2),\ 2\times 9+3\times 2,\ 3\times 2+2\times 9,\ 3\times 2+9\times 2,\ 3\times 2^{\text{root}[9,2]},\ 3\left(9-\frac{2}{2}\right),$$

$$3\,(9-\text{Log}[2,\,2]),\ \left(9-\frac{2}{2}\right)\,3,\ (9-\text{Log}[2,\,2])\,3,\ 9\times 2+2\times 3,\ 9\left(2+\frac{2}{3}\right),\ \text{root}[9,\,2]\,2^3,$$

$$9\left(\frac{2}{3}+2\right),\ 9\times 2+3\times 2,\ ((9-3)\,2)\,2,\ (9-3)\,(2\times 2),\ (9-3)\,(2+2),\ (9-3)\,2^2\Big\}\Big\},$$

$$\{\{2,\,2,\,3,\,10\},\ \{2\,(\text{mod}[2,\,3]+10),\ \text{mod}[2,\,3]\,(2+10),\ (\text{mod}[2,\,3]+10)\,2,$$
$$\text{mod}[2,\,3]\,(10+2),\ 2\,(3+10)-2,\ (2+10)\,\text{mod}[2,\,3],\ 2\,(10+\text{mod}[2,\,3]),$$
$$2\,(10+3)-2,\ (3+10)\,2-2,\ (10+2)\,\text{mod}[2,\,3],\ (10+\text{mod}[2,\,3])\,2,\ (10+3)\,2-2\}\},$$

$$\Big\{\{2,\,2,\,4,\,4\},\ \Big\{2\,(2\times 4+4),\ 2\left(2^4-4\right),\ (2\times 4-2)\,4,\ 2\,(4\times 2+4),\ 2\,(4+2\times 4),$$
$$2^4+2\times 4,\ 2\times 4+2^4,\ 2\left(4^2-4\right),\ (2\times 4+4)\,2,\ \left(2^4-4\right)\,2,\ 2\,(4+4\times 2),\ 2^4+4\times 2,$$
$$2\times 4+4^2,\ (4\times 2-2)\,4,\ 4^2+2\times 4,\ 4\times 2+2^4,\ (4\times 2+4)\,2,\ (4+2\times 4)\,2,$$
$$\left(4^2-4\right)\,2,\ 4^2+4\times 2,\ 4\times 2+4^2,\ 4\,(2\times 4-2),\ (4+4\times 2)\,2,\ 4\,(4\times 2-2)\Big\}\Big\},$$

$$\Big\{\{2,\,2,\,4,\,5\},\ \Big\{2\times 2+4\times 5,\ (2+2)+4\times 5,\ 2^2+4\times 5,\ 2+(2+4\times 5),\ \left(\frac{2}{2}+5\right)\,4,$$
$$(\text{Log}[2,\,2]+5)\,4,\ (2\times 2)\,5+4,\ (2+2)\,5+4,\ 2^2\,5+4,\ 2\,(2\times 5)+4,\ 2\times 2+5\times 4,$$
$$(2+2)+5\times 4,\ 2^2+5\times 4,\ 2+(2+5\times 4),\ (2+4\times 5)+2,\ 2+(4\times 5+2),\ (2\times 4)\,(5-2),$$
$$2\,(4\,(5-2)),\ (2\,(5-2))\,4,\ 2\,((5-2)\,4),\ (2\times 5)\,2+4,\ 2\,(5\times 2)+4,\ 2^5-2\times 4,\ (2+5\times 4)+2,$$
$$2+(5\times 4+2),\ 2^5-4\times 2,\ 4\left(\frac{2}{2}+5\right),\ 4\,(\text{Log}[2,\,2]+5),\ 4+(2\times 2)\,5,\ 4+(2+2)\,5,\ 4+2^2\,5,$$
$$4+2\,(2\times 5),\ 4+(2\times 5)\,2,\ 4+2\,(5\times 2),\ (4\times 2)\,(5-2),\ 4\,(2\,(5-2)),\ (4\,(5-2))\,2,$$
$$4\,((5-2)\,2),\ (4\times 5+2)+2,\ 4\times 5+2\times 2,\ 4+(5\times 2)\,2,\ 4+5\,(2\times 2),\ 4\times 5+(2+2),$$
$$4+5\,(2+2),\ 4\left(5+\frac{2}{2}\right),\ 4\,(5+\text{Log}[2,\,2]),\ 4\times 5+2^2,\ 4+5\times 2^2,\ ((5-2)\,2)\,4,\ \left(5+\frac{2}{2}\right)\,4,$$
$$(5+\text{Log}[2,\,2])\,4,\ (5-2)\,(2\times 4),\ (5\times 2)\,2+4,\ 5\,(2\times 2)+4,\ 5\,(2+2)+4,\ 5\times 2^2+4,$$

$$((5-2)\,4)\,2,\ (5-2)\,(4\times 2),\ (5\times 4+2)+2,\ 5\times 4+2\times 2,\ 5\times 4+(2+2),\ 5\times 4+2^2\Big\}\Big\},$$

$$\Big\{\{2,\,2,\,4,\,6\},\ \Big\{\Big(\frac{2}{2}\,4\Big)\,6,\ (\text{Log}[2,\,2]\,4)\,6,\ (\text{mod}[2,\,2]+4)\,6,\ ((2-2)+4)\,6,\ \frac{2}{\frac{2}{4}}\,6,$$

$$(2\,\text{Log}[2,\,4])\,6,\ (2+\text{Log}[2,\,4])\,6,\ \text{Log}\big[2,\,2^4\big]\,6,\ (2\,\text{mod}[2,\,4])\,6,\ (2+\text{mod}[2,\,4])\,6,$$

$$2^{\text{Log}[2,4]}\,6,\ 2^{\text{mod}[2,4]}\,6,\ \text{root}[2,\,2]^4\,6,\ (2-(2-4))\,6,\ \frac{2}{2}\,(4\times 6),\ \text{Log}[2,\,2]\,(4\times 6),$$

$$2\,(\text{Log}[2,\,4]\,6),\ 2\,(\text{mod}[2,\,4]\,6),\ 2\,((2+4)+6),\ \big(2+2^4\big)+6,\ \text{mod}[2,\,2]+4\times 6,$$

$$(2-2)+4\times 6,\ 2\,(2+(4+6)),\ 2+\big(2^4+6\big),\ \frac{2}{\frac{2}{4\times 6}},\ \frac{2}{\frac{\frac{2}{4}}{6}},\ 2\,\text{Log}\big[2,\,4^6\big],\ \text{Log}\big[2,\,\big(2^4\big)^6\big],$$

$$2^{\text{Log}[2,4\times 6]},\ 2-(2-4\times 6),\ \Big(\frac{2}{2}\,6\Big)\,4,\ (\text{Log}[2,\,2]\,6)\,4,\ (\text{mod}[2,\,2]+6)\,4,\ ((2-2)+6)\,4,$$

$$\frac{2}{\frac{2}{6}}\,4,\ \text{Log}\big[2,\,2^6\big]\,4,\ 2^{\text{Log}[2,6]}\,4,\ (2-(2-6))\,4,\ \frac{2}{2}\,(6\times 4),\ \text{Log}[2,\,2]\,(6\times 4),\ 2\,((2+6)+4),$$

$$\text{mod}[2,\,2]+6\times 4,\ (2-2)+6\times 4,\ 2\,(2+(6+4)),\ \frac{2}{\frac{2}{6\times 4}},\ \frac{2}{\frac{\frac{2}{6}}{4}},\ \text{Log}\big[2,\,\big(2^6\big)^4\big],\ 2^{\text{Log}[2,6\times 4]},$$

$$2-(2-6\times 4),\ (\text{Log}[2,\,4]\,2)\,6,\ (\text{mod}[2,\,4]\,2)\,6,\ (\text{Log}[2,\,4]+2)\,6,\ (\text{mod}[2,\,4]+2)\,6,$$

$$\frac{2}{\text{Log}[4,\,2]}\,6,\ \Big(2\times\frac{4}{2}\Big)\,6,\ \Big(2+\frac{4}{2}\Big)\,6,\ \frac{2\times 4}{2}\,6,\ \text{Log}\big[2,\,4^2\big]\,6,\ \text{Log}[\text{root}[2,\,4],\,2]\,6,\ 2^{\frac{4}{2}}\,6,$$

$$2^{\text{root}[4,2]}\,6,\ 2^{4-2}\,6,\ \text{Log}[2,\,4]^2\,6,\ \text{mod}[2,\,4]^2\,6,\ (2\,\text{root}[4,\,2])\,6,\ (2+\text{root}[4,\,2])\,6,$$

$$\text{root}\big[2^4,\,2\big]\,6,\ (2\,(4-2))\,6,\ (2+(4-2))\,6,\ ((2+4)-2)\,6,\ \text{Log}[2,\,4]\,(2\times 6),$$

$$\text{mod}[2,\,4]\,(2\times 6),\ 2\,\Big(\frac{4}{2}\,6\Big),\ 2\,(\text{root}[4,\,2]\,6),\ 2\,((4-2)\,6),\ 2\,((4+2)+6),\ \big(2^4+2\big)+6,$$

$$\big(2+4^2\big)+6,\ 2\,(4+(2+6)),\ 2^4+(2+6),\ 2+\big(4^2+6\big),\ \frac{2}{\frac{\text{Log}[4,2]}{6}},\ 2\,\frac{4}{\frac{2}{6}},\ \frac{2\times 4}{\frac{2}{6}},\ \text{Log}\big[2,\,4^{2\times 6}\big],$$

$$\text{Log}\big[2,\,\big(4^2\big)^6\big],\ (\text{Log}[2,\,4]\,6)\,2,\ (\text{mod}[2,\,4]\,6)\,2,\ ((2+4)+6)\,2,\ (2+(4+6))\,2,$$

$$\text{Log}\big[2,\,4^6\big]\,2,\ \text{Log}[2,\,4]\,(6\times 2),\ \text{mod}[2,\,4]\,(6\times 2),\ 2\,((4+6)+2),\ \big(2^4+6\big)+2,$$

$$2\,(4+(6+2)),\ 2^4+(6+2),\ \frac{2}{\text{Log}\big[4^6,\,2\big]},\ (2\times 4)\,\frac{6}{2},\ 2\,\Big(4\times\frac{6}{2}\Big),\ 2\,\frac{4\times 6}{2},\ \frac{(2\times 4)\,6}{2},\ \frac{2\,(4\times 6)}{2},$$

$$\text{Log}\big[2,\,4^{6\times 2}\big],\ \text{Log}\big[2,\,\big(4^6\big)^2\big],\ (2+4)\,(6-2),\ 2+(4\times 6-2),\ (2+4\times 6)-2,\ \Big(2\times\frac{6}{2}\Big)\,4,$$

$$\frac{2\times 6}{2}\,4,\ \text{Log}[\text{root}[2,\,6],\,2]\,4,\ (2+(6-2))\,4,\ ((2+6)-2)\,4,\ 2\,\Big(\frac{6}{2}\,4\Big),\ 2\,((6+2)+4),$$

$$2\,(6+(2+4)),\ 2\,\frac{6}{\frac{2}{4}},\ \frac{2\times 6}{\frac{2}{4}},\ (2\times 6)\,\text{Log}[2,\,4],\ 2\,(6\,\text{Log}[2,\,4]),\ (2\times 6)\,\text{mod}[2,\,4],$$

$$2\,(6\,\text{mod}[2,\,4]),\ (2+6)+2^4,\ 2+\big(6+2^4\big),\ ((2+6)+4)\,2,\ (2+(6+4))\,2,\ 2\,((6+4)+2),$$

$$2\,(6+(4+2)),\ (2\times 6)\,\frac{4}{2},\ 2\,\Big(6\times\frac{4}{2}\Big),\ 2\,\frac{6}{\text{Log}[4,\,2]},\ 2\,\frac{6\times 4}{2},\ \frac{(2\times 6)\,4}{2},\ \frac{2\times 6}{\text{Log}[4,\,2]},$$

$$\frac{2\,(6\times 4)}{2},\ (2+6)+4^2,\ 2+\big(6+4^2\big),\ (2\times 6)\,\text{root}[4,\,2],\ 2\,(6\,\text{root}[4,\,2]),\ (2\times 6)\,(4-2),$$

$$2\,(6\,(4-2)),\ 2+(6\times 4-2),\ (2+6\times 4)-2,\ \Big(\frac{4}{2}\,2\Big)\,6,\ (\text{root}[4,\,2]\,2)\,6,\ ((4-2)\,2)\,6,$$

$$\left(\frac{4}{2}+2\right)6,\ (\text{root}[4,\ 2]+2)\ 6,\ ((4-2)+2)\ 6,\ \left(4\times\frac{2}{2}\right)6,\ \frac{4}{\frac{2}{2}}\ 6,\ \frac{4}{\text{Log}[2,\ 2]}\ 6,\ \frac{4\times 2}{2}\ 6,$$

$$(4\ \text{Log}[2,\ 2])\ 6,\ (4+\text{mod}[2,\ 2])\ 6,\ 4^{\frac{2}{2}}\ 6,\ 4^{\text{Log}[2,2]}\ 6,\ \left(\frac{4}{2}\right)^2\ 6,\ \text{root}[4,\ 2]^2\ 6,\ (4-2)^2\ 6,$$

$$\text{root}\left[4,\ \frac{2}{2}\right]6,\ \text{root}[4,\ \text{Log}[2,\ 2]]\ 6,\ \text{root}\left[4^2,\ 2\right]6,\ (4+(2-2))\ 6,\ (4-\text{mod}[2,\ 2])\ 6,$$

$$(4-(2-2))\ 6,\ ((4+2)-2)\ 6,\ \frac{4}{2}\ (2\times 6),\ \text{root}[4,\ 2]\ (2\times 6),\ (4-2)\ (2\times 6),\ 4\left(\frac{2}{2}\ 6\right),$$

$$4\ (\text{Log}[2,\ 2]\ 6),\ \left(4^2+2\right)+6,\ 4\ (\text{mod}[2,\ 2]+6),\ 4\ ((2-2)+6),\ 4^2+(2+6),\ 4\ \frac{2}{\frac{2}{6}},\ \frac{4}{\frac{2}{2\times 6}},$$

$$\frac{4}{\frac{\frac{2}{2}}{6}},\ \frac{4}{\frac{\text{Log}[2,2]}{6}},\ \frac{4}{\text{Log}[2,\ \text{root}[2,\ 6]]},\ \frac{4\times 2}{\frac{2}{6}},\ 4\ \text{Log}\left[2,\ 2^6\right],\ 4\times 2^{\text{Log}[2,6]},\ 4\ (2-(2-6)),$$

$$\left(\frac{4}{2}\ 6\right)2,\ (\text{root}[4,\ 2]\ 6)\ 2,\ ((4-2)\ 6)\ 2,\ ((4+2)+6)\ 2,\ (4+(2+6))\ 2,\ \frac{4}{\frac{2}{6}}\ 2,\ \frac{4}{2}\ (6\times 2),$$

$$\text{root}[4,\ 2]\ (6\times 2),\ (4-2)\ (6\times 2),\ \left(4^2+6\right)+2,\ 4^2+(6+2),\ \frac{4}{\frac{2}{6\times 2}},\ \frac{4}{\frac{\frac{2}{6}}{2}},\ \frac{4}{\text{Log}\left[2^6,\ 2\right]},$$

$$(4\times 2)\ \frac{6}{2},\ 4\left(2\times\frac{6}{2}\right),\ 4\ \frac{2\times 6}{2},\ \frac{(4\times 2)\ 6}{2},\ \frac{4\ (2\times 6)}{2},\ 4\ \text{Log}[\text{root}[2,\ 6],\ 2],\ (4+2)\ (6-2),$$

$$4\ (2+(6-2)),\ 4\ ((2+6)-2),\ ((4+6)+2)\ 2,\ (4+(6+2))\ 2,\ \left(4\times\frac{6}{2}\right)2,\ \frac{4\times 6}{2}\ 2,\ 4\left(\frac{6}{2}\ 2\right),$$

$$4\ ((6-2)+2),\ (4\times 6-2)+2,\ (4\times 6)\ \frac{2}{2},\ 4\left(6\times\frac{2}{2}\right),\ 4\ \frac{6}{\frac{2}{2}},\ 4\ \frac{6}{\text{Log}[2,\ 2]},\ 4\ \frac{6\times 2}{2},\ \frac{(4\times 6)\ 2}{2},$$

$$\frac{4\times 6}{\frac{2}{2}},\ \frac{4\times 6}{\text{Log}[2,\ 2]},\ \frac{4\ (6\times 2)}{2},\ (4\times 6)\ \text{Log}[2,\ 2],\ 4\ (6\ \text{Log}[2,\ 2]),\ 4\ (6+\text{mod}[2,\ 2]),$$

$$4\times 6+\text{mod}[2,\ 2],\ 4\times 6^{\frac{2}{2}},\ 4\times 6^{\text{Log}[2,2]},\ (4\times 6)^{\frac{2}{2}},\ (4\times 6)^{\text{Log}[2,2]},\ 4\ \text{root}[6,\ 2]^2,\ \text{root}[4\times 6,\ 2]^2,$$

$$4\ \text{root}\left[6,\ \frac{2}{2}\right],\ 4\ \text{root}[6,\ \text{Log}[2,\ 2]],\ \text{root}\left[4\times 6,\ \frac{2}{2}\right],\ \text{root}[4\times 6,\ \text{Log}[2,\ 2]],$$

$$4\ \text{root}\left[6^2,\ 2\right],\ \text{root}\left[(4\times 6)^2,\ 2\right],\ 4\ (6+(2-2)),\ 4\times 6+(2-2),\ 4\ (6-\text{mod}[2,\ 2]),$$

$$4\ (6-(2-2)),\ 4\times 6-\text{mod}[2,\ 2],\ 4\times 6-(2-2),\ 4\ ((6+2)-2),\ (4\times 6+2)-2,\ \left(\frac{6}{2}\ 2\right)4,$$

$$((6-2)+2)\ 4,\ \left(6\times\frac{2}{2}\right)4,\ \frac{6}{\frac{2}{2}}\ 4,\ \frac{6}{\text{Log}[2,\ 2]}\ 4,\ \frac{6\times 2}{2}\ 4,\ (6\ \text{Log}[2,\ 2])\ 4,\ (6+\text{mod}[2,\ 2])\ 4,$$

$$6^{\frac{2}{2}}\ 4,\ 6^{\text{Log}[2,2]}\ 4,\ \text{root}[6,\ 2]^2\ 4,\ \text{root}\left[6,\ \frac{2}{2}\right]4,\ \text{root}[6,\ \text{Log}[2,\ 2]]\ 4,\ \text{root}\left[6^2,\ 2\right]4,$$

$$(6+(2-2))\ 4,\ (6-\text{mod}[2,\ 2])\ 4,\ (6-(2-2))\ 4,\ ((6+2)-2)\ 4,\ \frac{6}{2}\ (2\times 4),\ 6\left(\frac{2}{2}\ 4\right),$$

$$6\ (\text{Log}[2,\ 2]\ 4),\ (6-2)\ (2+4),\ 6\ (\text{mod}[2,\ 2]+4),\ 6\ ((2-2)+4),\ 6\ \frac{2}{\frac{2}{4}},\ \frac{6}{\frac{2}{2\times 4}},\ \frac{6}{\frac{\frac{2}{2}}{4}},$$

$$\frac{6}{\frac{\text{Log}[2,2]}{4}},\ \frac{6}{\text{Log}[2,\ \text{root}[2,\ 4]]},\ \frac{6}{2^{2-4}},\ \frac{6\times 2}{\frac{2}{4}},\ (6\times 2)\ \text{Log}[2,\ 4],\ 6\ (2\ \text{Log}[2,\ 4]),$$

$$6\ (2+\text{Log}[2,\ 4]),\ 6\ \text{Log}\left[2,\ 2^4\right],\ (6\times 2)\ \text{mod}[2,\ 4],\ 6\ (2\ \text{mod}[2,\ 4]),\ 6\ (2+\text{mod}[2,\ 4]),$$

$$(6+2)+2^4,\ 6+\left(2+2^4\right),\ 6\times 2^{\text{Log}[2,4]},\ 6\times 2^{\text{mod}[2,4]},\ 6\ \text{root}[2,\ 2]^4,\ 6\ (2-(2-4)),$$

$$\left(\frac{6}{2}\ 4\right)\ 2,\ ((6+2)+4)\ 2,\ (6+(2+4))\ 2,\ \frac{6}{\frac{2}{4}}\ 2,\ (6\ \text{Log}[2,\ 4])\ 2,\ (6\ \text{mod}[2,\ 4])\ 2,$$

$$\frac{6}{2}\ (4\times 2),\ 6\ (\text{Log}[2,\ 4]\ 2),\ 6\ (\text{mod}[2,\ 4]\ 2),\ (6-2)\ (4+2),\ 6\ (\text{Log}[2,\ 4]+2),$$

$$6\ (\text{mod}[2,\ 4]+2),\ \left(6+2^4\right)+2,\ 6+\left(2^4+2\right),\ 6\ \frac{2}{\text{Log}[4,\ 2]},\ (6\times 2)\ \frac{4}{2},\ 6\left(2\times\frac{4}{2}\right),$$

$$6\left(2+\frac{4}{2}\right),\ \frac{6}{\frac{2}{4\times 2}},\ \frac{6}{\frac{2}{\frac{4}{2}}},\ \frac{6}{\text{Log}\left[2^4,\ 2\right]},\ \frac{6}{\left(\frac{2}{4}\right)^2},\ \frac{6\times 2}{\text{Log}[4,\ 2]},\ 6\ \frac{2\times 4}{2},\ \frac{(6\times 2)\ 4}{2},\ \frac{6\ (2\times 4)}{2},$$

$$6\ \text{Log}\left[2,\ 4^2\right],\ 6\ \text{Log}[\text{root}[2,\ 4],\ 2],\ 6\times 2^{\frac{4}{2}},\ 6\times 2^{\text{root}[4,2]},\ 6\times 2^{4-2},\ (6+2)+4^2,\ 6+\left(2+4^2\right),$$

$$6\ \text{Log}[2,\ 4]^2,\ 6\ \text{mod}[2,\ 4]^2,\ (6\times 2)\ \text{root}[4,\ 2],\ 6\ (2\ \text{root}[4,\ 2]),\ 6\ (2+\text{root}[4,\ 2]),$$

$$6\ \text{root}\left[2^4,\ 2\right],\ (6\times 2)\ (4-2),\ 6\ (2\ (4-2)),\ 6\ (2+(4-2)),\ 6\ ((2+4)-2),\ ((6+4)+2)\ 2,$$

$$(6+(4+2))\ 2,\ \left(6\times\frac{4}{2}\right)\ 2,\ \frac{6}{\text{Log}[4,\ 2]}\ 2,\ \frac{6\times 4}{2}\ 2,\ (6\ \text{root}[4,\ 2])\ 2,\ (6\ (4-2))\ 2,$$

$$6\left(\frac{4}{2}\ 2\right),\ 6\ (\text{root}[4,\ 2]\ 2),\ 6\ ((4-2)\ 2),\ 6\left(\frac{4}{2}+2\right),\ \left(6+4^2\right)+2,\ 6\ (\text{root}[4,\ 2]+2),$$

$$6\ ((4-2)+2),\ (6\times 4-2)+2,\ 6+\left(4^2+2\right),\ (6\times 4)\ \frac{2}{2},\ 6\left(4\times\frac{2}{2}\right),\ 6\ \frac{4}{\frac{2}{2}},\ 6\ \frac{4}{\text{Log}[2,\ 2]},$$

$$\frac{6}{\frac{\text{Log}[4,2]}{2}},\ \frac{6}{\text{Log}\left[4^2,\ 2\right]},\ \frac{6}{\text{Log}[4,\ 2]^2},\ 6\ \frac{4\times 2}{2},\ \frac{(6\times 4)\ 2}{2},\ \frac{6\times 4}{\frac{2}{2}},\ \frac{6\times 4}{\text{Log}[2,\ 2]},\ \frac{6\ (4\times 2)}{2},$$

$$(6\times 4)\ \text{Log}[2,\ 2],\ 6\ (4\ \text{Log}[2,\ 2]),\ 6\ (4+\text{mod}[2,\ 2]),\ 6\times 4+\text{mod}[2,\ 2],\ 6\times 4^{\frac{2}{2}},$$

$$6\times 4^{\text{Log}[2,2]},\ (6\times 4)^{\frac{2}{2}},\ (6\times 4)^{\text{Log}[2,2]},\ 6\left(\frac{4}{2}\right)^2,\ 6\ \text{root}[4,\ 2]^2,\ \text{root}[6\times 4,\ 2]^2,\ 6\ (4-2)^2,$$

$$6\ \text{root}\left[4,\ \frac{2}{2}\right],\ 6\ \text{root}[4,\ \text{Log}[2,\ 2]],\ \text{root}\left[6\times 4,\ \frac{2}{2}\right],\ \text{root}[6\times 4,\ \text{Log}[2,\ 2]],$$

$$6\ \text{root}\left[4^2,\ 2\right],\ \text{root}\left[(6\times 4)^2,\ 2\right],\ 6\ (4+(2-2)),\ 6\times 4+(2-2),\ 6\ (4-\text{mod}[2,\ 2]),$$

$$6\ (4-(2-2)),\ 6\times 4-\text{mod}[2,\ 2],\ 6\times 4-(2-2),\ 6\ ((4+2)-2),\ (6\times 4+2)-2\Big\}\Big\},$$

$$\Big\{\{2,\ 2,\ 4,\ 7\},\ \Big\{2+2\ (4+7),\ 2+2\ (7+4),\ (2\times 2)\ 7-4,\ (2+2)\ 7-4,\ 2^2\ 7-4,\ 2\ (2\times 7)-4,$$

$$2\ (4+7)+2,\ 2+(4+7)\ 2,\ (2\times 7)\ 2-4,\ 2\ (7\times 2)-4,\ 2\ (7+4)+2,\ 2+(7+4)\ 2,$$

$$(4+7)\ 2+2,\ 4\left(7-\frac{2}{2}\right),\ 4\ (7-\text{Log}[2,\ 2]),\ 4\times 7-2\times 2,\ 4\times 7-(2+2),\ 4\times 7-2^2,$$

$$(4\times 7-2)-2,\ \left(7-\frac{2}{2}\right)\ 4,\ (7-\text{Log}[2,\ 2])\ 4,\ (7\times 2)\ 2-4,\ 7\ (2\times 2)-4,\ 7\ (2+2)-4,$$

$$7\times 2^2-4,\ (7+4)\ 2+2,\ 7\times 4-2\times 2,\ 7\times 4-(2+2),\ 7\times 4-2^2,\ (7\times 4-2)-2\Big\}\Big\},$$

$$\Big\{\{2,\ 2,\ 4,\ 8\},\ \Big\{\text{Log}[2,\ 2\times 4]\ 8,\ (2\times 2)\ 4+8,\ (2+2)\ 4+8,\ 2^2\ 4+8,\ 2\ (2\times 4)+8,$$

$$\text{Log}\left[2,\ (2\times 4)^8\right],\ 2\times 2^4-8,\ (2\ \text{Log}[2,\ 8])\ 4,\ 2\ (\text{Log}[2,\ 8]\ 4),\ 2\ (2+8)+4,\ 2\ \text{Log}\left[2,\ 8^4\right],$$

$$2\ (2\times 8-4),\ \frac{2+4}{2}\ 8,\ \text{Log}[2,\ 4\times 2]\ 8,\ (2\times 4)\ 2+8,\ 2\ (4\times 2)+8,\ 2\times 4+2\times 8,\ \frac{2+4}{\frac{2}{8}},$$

$$(2\times 4)\ \text{Log}[2,\ 8],\ 2\ (4\ \text{Log}[2,\ 8]),\ \text{Log}\left[2,\ (4\times 2)^{8}\right],\ 2^4\ 2-8,\ 2\times 4^2-8,\ 2\times 4+8\times 2,$$

$$2\ \frac{4}{\text{Log}[8,\ 2]},\ (2+4)\ \frac{8}{2},\ \frac{2\times 4}{\text{Log}[8,\ 2]},\ \frac{(2+4)\ 8}{2},\ (\text{Log}[2,\ 8]\ 2)\ 4,\ \frac{2}{\text{Log}[8,\ 2]}\ 4,\ \left(2+\frac{8}{2}\right)\ 4,$$

$$\text{Log}\left[2,\ 8^2\right]\ 4,\ \text{Log}[2,\ 8]\ (2\times 4),\ (2+8)\ 2+4,\ 2\ (8+2)+4,\ 2\times 8+2\times 4,\ \frac{2}{\frac{\text{Log}[8,2]}{4}},$$

$$\text{Log}\left[2,\ 8^{2\times 4}\right],\ \text{Log}\left[2,\ \left(8^2\right)^4\right],\ 2\ (8\times 2-4),\ (\text{Log}[2,\ 8]\ 4)\ 2,\ \text{Log}\left[2,\ 8^4\right]\ 2,\ (2\times 8-4)\ 2,$$

$$\text{Log}[2,\ 8]\ (4\times 2),\ 2\times 8+4\times 2,\ \frac{2}{\text{Log}\left[8^4,\ 2\right]},\ \text{Log}\left[2,\ 8^{4\times 2}\right],\ \text{Log}\left[2,\ \left(8^4\right)^2\right],\ \frac{4+2}{2}\ 8,\ \left(4-\frac{2}{2}\right)\ 8,$$

$$(4-\text{Log}[2,\ 2])\ 8,\ (4\times 2)\ 2+8,\ 4\ (2\times 2)+8,\ 4\ (2+2)+8,\ 4\times 2^2+8,\ 4\times 2+2\times 8,\ 4+2\ (2+8),$$

$$\frac{4+2}{\frac{2}{8}},\ (4\times 2)\ \text{Log}[2,\ 8],\ 4\ (2\ \text{Log}[2,\ 8]),\ 4^2\ 2-8,\ (4\ \text{Log}[2,\ 8])\ 2,\ 4\ (\text{Log}[2,\ 8]\ 2),$$

$$4\times 2+8\times 2,\ 4+(2+8)\ 2,\ 4+2\ (8+2),\ 4\ \frac{2}{\text{Log}[8,\ 2]},\ (4+2)\ \frac{8}{2},\ 4\ \left(2+\frac{8}{2}\right),\ \frac{4\times 2}{\text{Log}[8,\ 2]},$$

$$\frac{(4+2)\ 8}{2},\ 4\ \text{Log}\left[2,\ 8^2\right],\ \frac{4}{\text{Log}[8,\ 2]}\ 2,\ 4\ \left(\frac{8}{2}+2\right),\ 4+(8+2)\ 2,\ \frac{4}{\frac{\text{Log}[8,2]}{2}},\ \frac{4}{\text{Log}\left[8^2,\ 2\right]},$$

$$\left(\frac{8}{2}+2\right)\ 4,\ \frac{8}{2}\ (2+4),\ (8+2)\ 2+4,\ 8\times 2+2\times 4,\ 8+(2\times 2)\ 4,\ 8+(2+2)\ 4,\ 8+2^2\ 4,\ 8+2\ (2\times 4),$$

$$\frac{8}{\frac{2}{2+4}},\ 8\ \text{Log}[2,\ 2\times 4],\ (8\times 2-4)\ 2,\ \frac{8}{2}\ (4+2),\ 8\times 2+4\times 2,\ 8+(2\times 4)\ 2,\ 8+2\ (4\times 2),$$

$$\frac{8}{\frac{2}{4+2}},\ \frac{8}{\text{Log}[2\times 4,\ 2]},\ 8\ \frac{2+4}{2},\ \frac{8\ (2+4)}{2},\ 8\ \text{Log}[2,\ 4\times 2],\ 8+(4\times 2)\ 2,\ 8+4\ (2\times 2),$$

$$8+4\ (2+2),\ \frac{8}{\text{Log}[4\times 2,\ 2]},\ 8\ \frac{4+2}{2},\ \frac{8\ (4+2)}{2},\ 8+4\times 2^2,\ 8\ \left(4-\frac{2}{2}\right),\ 8\ (4-\text{Log}[2,\ 2])\Big\}\Big\},$$

$$\{\{2,\ 2,\ 4,\ 9\},\ \{(2+2\times 9)+4,\ 2+(2\times 9+4),\ (2+4)+2\times 9,\ 2+(4+2\times 9),\ (2+4)+9\times 2,$$
$$2+(4+9\times 2),\ (2\times 4)\ \text{root}[9,\ 2],\ 2\ (4\ \text{root}[9,\ 2]),\ 2\ (4+9)-2,\ (2\ \text{root}[9,\ 2])\ 4,$$
$$2\ (\text{root}[9,\ 2]\ 4),\ (2\times 9+2)+4,\ (2+9\times 2)+4,\ 2\times 9+(2+4),\ 2+(9\times 2+4),$$
$$(2\times 9+4)+2,\ 2\times 9+(4+2),\ 2\ (9+4)-2,\ (4+2)+2\times 9,\ 4+(2+2\times 9),$$
$$(4+2\times 9)+2,\ (4+2)+9\times 2,\ 4+(2\times 9+2),\ 4+(2+9\times 2),\ (4\times 2)\ \text{root}[9,\ 2],$$
$$4\ (2\ \text{root}[9,\ 2]),\ (4\ \text{root}[9,\ 2])\ 2,\ 4\ (\text{root}[9,\ 2]\ 2),\ (4+9\times 2)+2,\ 4+(9\times 2+2),$$
$$(4+9)\ 2-2,\ (\text{root}[9,\ 2]\ 2)\ 4,\ \text{root}[9,\ 2]\ (2\times 4),\ (9\times 2+2)+4,\ 9\times 2+(2+4),$$
$$(\text{root}[9,\ 2]\ 4)\ 2,\ \text{root}[9,\ 2]\ (4\times 2),\ (9\times 2+4)+2,\ 9\times 2+(4+2),\ (9+4)\ 2-2\}\},$$

$$\Big\{\{2,\ 2,\ 4,\ 10\},\ \Big\{2\ (\text{Log}[2,\ 4]+10),\ 2\ (\text{mod}[2,\ 4]+10),\ (2\times 2)\ (10-4),\ (2+2)\ (10-4),$$

$$2^2\ (10-4),\ 2\ (2\ (10-4)),\ \text{Log}[2,\ 4]\ (2+10),\ \text{mod}[2,\ 4]\ (2+10),\ 2\ \left(\frac{4}{2}+10\right),$$

$$2\ (\text{root}[4,\ 2]+10),\ 2\ ((4-2)+10),\ \left(2^4-2\right)+10,\ \text{Log}\left[2,\ 4^{2+10}\right],\ 2\ (4-(2-10)),\ 2^4-(2-10),$$

$$(\text{Log}[2,\ 4]+10)\ 2,\ (\text{mod}[2,\ 4]+10)\ 2,\ \text{Log}[2,\ 4]\ (10+2),\ \text{mod}[2,\ 4]\ (10+2),\ \text{Log}\left[2,\ 4^{10+2}\right],$$

$$2\ (4+(10-2)),\ 2^4+(10-2),\ 2\ ((4+10)-2),\ \left(2^4+10\right)-2,\ \frac{2+10}{2}\ 4,\ 2\ ((10-2)+4),$$

$$\frac{2+10}{\frac{2}{4}},\ (2+10)\ \text{Log}[2,\ 4],\ 2\ (10+\text{Log}[2,\ 4]),\ (2+10)\ \text{mod}[2,\ 4],\ 2\ (10+\text{mod}[2,\ 4]),$$

$$2\,(10-(2-4)),\ (2\,(10-4))\,2,\ 2\,((10-4)\,2),\ (2+10)\,\frac{4}{2},\ 2\left(10+\frac{4}{2}\right),\ \frac{(2+10)\,4}{2},$$

$$\frac{2+10}{\text{Log}[4,\,2]},\ (2+10)\,\text{root}[4,\,2],\ 2\,(10+\text{root}[4,\,2]),\ (2+10)\,(4-2),\ 2\,(10+(4-2)),$$

$$2\,((10+4)-2),\ \frac{4}{2}\,(2+10),\ \text{root}[4,\,2]\,(2+10),\ (4-2)\,(2+10),\ \left(4^2-2\right)+10,\ \frac{4}{\frac{2}{2+10}},$$

$$4^2-(2-10),\ \left(\frac{4}{2}+10\right)2,\ (\text{root}[4,\,2]+10)\,2,\ ((4-2)+10)\,2,\ (4-(2-10))\,2,\ \frac{4}{2}\,(10+2),$$

$$\text{root}[4,\,2]\,(10+2),\ (4-2)\,(10+2),\ \frac{4}{\frac{2}{10+2}},\ 4\,\frac{2+10}{2},\ \frac{4\,(2+10)}{2},\ 4^2+(10-2),\ \left(4^2+10\right)-2,$$

$$(4+(10-2))\,2,\ ((4+10)-2)\,2,\ 4\,\frac{10+2}{2},\ \frac{4\,(10+2)}{2},\ 4\,(10-2\times 2),\ 4\,(10-(2+2)),$$

$$4\left(10-2^2\right),\ 4\,((10-2)-2),\ \frac{10+2}{2}\,4,\ (10-2\times 2)\,4,\ (10-(2+2))\,4,\ \left(10-2^2\right)4,$$

$$((10-2)-2)\,4,\ \frac{10+2}{\frac{2}{4}},\ (10+2)\,\text{Log}[2,\,4],\ (10+2)\,\text{mod}[2,\,4],\ (10-2)+2^4,\ 10-\left(2-2^4\right),$$

$$((10-2)+4)\,2,\ (10+\text{Log}[2,\,4])\,2,\ (10+\text{mod}[2,\,4])\,2,\ (10-(2-4))\,2,\ (10+2)\,\frac{4}{2},$$

$$\frac{(10+2)\,4}{2},\ \frac{10+2}{\text{Log}[4,\,2]},\ (10-2)+4^2,\ (10+2)\,\text{root}[4,\,2],\ (10+2)\,(4-2),\ 10-\left(2-4^2\right),$$

$$10+\left(2^4-2\right),\ \left(10+2^4\right)-2,\ ((10-4)\,2)\,2,\ \left(10+\frac{4}{2}\right)2,\ (10+\text{root}[4,\,2])\,2,\ (10+(4-2))\,2,$$

$$((10+4)-2)\,2,\ (10-4)\,(2\times 2),\ (10-4)\,(2+2),\ (10-4)\,2^2,\ 10+\left(4^2-2\right),\ \left(10+4^2\right)-2\Big\}\Big\},$$

$$\Big\{\{2,\,2,\,5,\,5\},\ \Big\{2\,((2+5)+5),\ 2\,(2+(5+5)),\ 2\,((5+2)+5),\ 2\,(5+(2+5)),\ ((2+5)+5)\,2,$$
$$(2+(5+5))\,2,\ 2\,((5+5)+2),\ 2\,(5+(5+2)),\ ((5+2)+5)\,2,\ (5+(2+5))\,2,$$
$$5^2-\text{mod}[5,\,2],\ ((5+5)+2)\,2,\ (5+(5+2))\,2,\ 5\times 5-\frac{2}{2},\ 5\times 5-\text{Log}[2,\,2]\Big\}\Big\},$$

$$\Big\{\{2,\,2,\,5,\,6\},\ \Big\{(2\,\text{mod}[2,\,5])\,6,\ (2+\text{mod}[2,\,5])\,6,\ \text{mod}[2\times 2,\,5]\,6,\ \text{mod}[2+2,\,5]\,6,$$
$$\text{mod}\left[2^2,\,5\right]6,\ 2^{\text{mod}[2,5]}\,6,\ 2\,(\text{mod}[2,\,5]\,6),\ 2+2\,(5+6),\ 2+2\,(6+5),\ (\text{mod}[2,\,5]\,2)\,6,$$
$$(\text{mod}[2,\,5]+2)\,6,\ \text{mod}[2,\,5]^2\,6,\ \text{mod}[2,\,5]\,(2\times 6),\ 2^5-(2+6),\ \left(2^5-2\right)-6,\ (\text{mod}[2,\,5]\,6)\,2,$$
$$\text{mod}[2,\,5]\,(6\times 2),\ 2\,(5+6)+2,\ 2+(5+6)\,2,\ 2^5-(6+2),\ \left(2^5-6\right)-2,\ (2\times 6)\,\text{mod}[2,\,5],$$
$$2\,(6\,\text{mod}[2,\,5]),\ 2\,(6+5)+2,\ 2+(6+5)\,2,\ (2+6)\,(5-2),\ \left(5-\frac{2}{2}\right)6,\ (5-\text{Log}[2,\,2])\,6,$$
$$(5-2)\,(2+6),\ (5-2)\,(6+2),\ (5+6)\,2+2,\ (6\times 2)\,\text{mod}[2,\,5],\ 6\,(2\,\text{mod}[2,\,5]),\ 6\,(2+\text{mod}[2,\,5]),$$
$$6\,\text{mod}[2\times 2,\,5],\ 6\,\text{mod}[2+2,\,5],\ 6\,\text{mod}\left[2^2,\,5\right],\ 6\times 2^{\text{mod}[2,5]},\ (6\,\text{mod}[2,\,5])\,2,\ 6\,(\text{mod}[2,\,5]\,2),$$
$$6\,(\text{mod}[2,\,5]+2),\ 6\,\text{mod}[2,\,5]^2,\ (6+2)\,(5-2),\ (6+5)\,2+2,\ 6\left(5-\frac{2}{2}\right),\ 6\,(5-\text{Log}[2,\,2])\Big\}\Big\},$$

$$\Big\{\{2,\,2,\,5,\,7\},\ \Big\{2\times 5+2\times 7,\ 2\times 5+7\times 2,\ 2\times 7+2\times 5,\ 2\times 7+5\times 2,\ 5\times 2+2\times 7,$$
$$5\times 2+7\times 2,\ 5^2-\text{mod}[7,\,2],\ 7\times 2+2\times 5,\ 7\times 2+5\times 2,\ 7^2-5^2\Big\}\Big\},$$

$$\Big\{\{2,\,2,\,5,\,8\},\ \Big\{(2+\text{mod}[5,\,2])\,8,\ \frac{2^5}{2}+8,\ 2\,(5+8)-2,\ 2\,(8+5)-2,\ (\text{mod}[5,\,2]+2)\,8,$$
$$(5+8)\,2-2,\ 8+\frac{2^5}{2},\ 8\,(2+\text{mod}[5,\,2]),\ 8\,(\text{mod}[5,\,2]+2),\ (8+5)\,2-2\Big\}\Big\},$$

$$\Big\{\{2,2,5,9\},\Big\{2((5-2)+9),2(5-(2-9)),2(5+(9-2)),2((5+9)-2),2((9-2)+5),2(9-(2-5)),2(9+(5-2)),2((9+5)-2),((5-2)+9)2,(5-(2-9))2,5^2-\text{mod}[9,2],(5+(9-2))2,((5+9)-2)2,((9-2)+5)2,(9-(2-5))2,(9+(5-2))2,((9+5)-2)2\Big\}\Big\},$$

$$\Big\{\{2,2,5,10\},\Big\{\Big(2+\frac{2}{5}\Big)10,2(2+5)+10,2(\text{mod}[2,5]+10),2+\left(2^5-10\right),\left(2+2^5\right)-10,\Big(\frac{2}{5}+2\Big)10,\text{mod}[2,5](2+10),(2+5)2+10,2(5+2)+10,(2-5)(2-10),2^5+(2-10),\left(2^5+2\right)-10,(\text{mod}[2,5]+10)2,\text{mod}[2,5](10+2),\left(2^5-10\right)+2,2^5-(10-2),(2+10)\,\text{mod}[2,5],2(10+\text{mod}[2,5]),(2-10)+2^5,(2-10)(2-5),2-\left(10-2^5\right),(5+2)2+10,(5-2)(10-2),\frac{5\times10-2}{2},10+2(2+5),10\Big(2+\frac{2}{5}\Big),(10+2)\,\text{mod}[2,5],(10+\text{mod}[2,5])2,10\Big(\frac{2}{5}+2\Big),10+(2+5)2,10+2(5+2),(10-2)(5-2),10+(5+2)2,\frac{10\times5-2}{2}\Big\}\Big\},$$

$$\Big\{\{2,2,6,6\},\Big\}(2\,\text{mod}[2,6])6,(2+\text{mod}[2,6])6,\text{mod}[2\times2,6]\,6,\text{mod}[2+2,6]\,6,\text{mod}\left[2^2,6\right]6,2^{\text{mod}[2,6]}6,2(\text{mod}[2,6]\,6),(\text{mod}[2,6]\,2)6,(\text{mod}[2,6]+2)6,\frac{2+6}{2}6,\text{mod}[2,6]^2\,6,\text{mod}[2,6](2\times6),2\times6+2\times6,\frac{2+6}{\frac{2}{6}},\frac{(2\times6)^2}{6},(2\times6)\,\text{mod}[2,6],2(6\,\text{mod}[2,6]),(\text{mod}[2,6]\,6)2,\text{mod}[2,6](6\times2),2\times6+6\times2,(2+6)\frac{6}{2},\frac{(2+6)6}{2},\frac{6+2}{2}6,\frac{6}{2}(2+6),\frac{6^2}{2}+6,6\times2+2\times6,\frac{6}{\frac{2}{2+6}},\frac{6+2}{\frac{2}{6}},\frac{(6\times2)^2}{6},(6\times2)\,\text{mod}[2,6],6(2\,\text{mod}[2,6]),6(2+\text{mod}[2,6]),6\,\text{mod}[2\times2,6],6\,\text{mod}[2+2,6],6\,\text{mod}\left[2^2,6\right],6\times2^{\text{mod}[2,6]},6^2-2\times6,(6\,\text{mod}[2,6])2,6(\text{mod}[2,6]\,2),\frac{6}{2}(6+2),6(\text{mod}[2,6]+2),6\times2+6\times2,(6+2)\frac{6}{2},\frac{6}{\frac{2}{6+2}},\frac{(6+2)6}{2},6\frac{2+6}{2},\frac{6(2+6)}{2},6\,\text{mod}[2,6]^2,6^2-6\times2,6\frac{6+2}{2},\frac{6(6+2)}{2},6+\frac{6^2}{2}\Big\}\Big\},$$

$$\Big\{\{2,2,6,7\},\Big\}(2\times2)\,\text{mod}[6,7],(2+2)\,\text{mod}[6,7],2^2\,\text{mod}[6,7],2(2\,\text{mod}[6,7]),(2\,\text{mod}[2,7])6,(2+\text{mod}[2,7])6,\text{mod}[2\times2,7]\,6,\text{mod}[2+2,7]\,6,\text{mod}\left[2^2,7\right]6,2^{\text{mod}[2,7]}6,2(\text{mod}[2,7]\,6),2(2+7)+6,(2\times6)\,\text{mod}[2,7],2(6\,\text{mod}[2,7]),(2\,\text{mod}[6,7])2,2(\text{mod}[6,7]\,2),2(6+7)-2,(\text{mod}[2,7]\,2)6,(\text{mod}[2,7]+2)6,\text{mod}[2,7]^2\,6,\text{mod}[2,7](2\times6),(2+7)2+6,2(7+2)+6,(\text{mod}[2,7]\,6)2,\text{mod}[2,7](6\times2),2(7+6)-2,6+2(2+7),(6\times2)\,\text{mod}[2,7],6(2\,\text{mod}[2,7]),6(2+\text{mod}[2,7]),6\,\text{mod}[2\times2,7],6\,\text{mod}[2+2,7],6\,\text{mod}\left[2^2,7\right],6\times2^{\text{mod}[2,7]},(6\,\text{mod}[2,7])2,6(\text{mod}[2,7]\,2),6(\text{mod}[2,7]+2),6+(2+7)2,6+2(7+2),6\,\text{mod}[2,7]^2,(\text{mod}[6,7]\,2)2,\text{mod}[6,7](2\times2),\text{mod}[6,7](2+2),6+(7+2)2,\text{mod}[6,7]\,2^2,(6+7)2-2,(7+2)2+6,(7+6)2-2\Big\}\Big\},$$

$$\Big\{\{2,2,6,8\},\Big\}\text{Log}[2,2+6]\,8,2(2+6)+8,\text{Log}\left[2,(2+6)^8\right],(2\times2)\,\text{mod}[6,8],(2+2)\,\text{mod}[6,8],2^2\,\text{mod}[6,8],2(2\,\text{mod}[6,8]),\text{Log}[2,2\times8]\,6,(2\,\text{mod}[2,8])6,(2+\text{mod}[2,8])6,\text{mod}[2\times2,8]\,6,\text{mod}[2+2,8]\,6,\text{mod}\left[2^2,8\right]6,2^{\text{mod}[2,8]}6,2(\text{mod}[2,8]\,6),(2+2\times8)+6,2+(2\times8+6),\text{Log}\left[2,(2\times8)^6\right],\text{Log}[2,6+2]\,8,(2+6)2+8,2(6+2)+8,2^{6-2}+8,2((6-2)+8),(2+6)+2\times8,2+(6+2\times8),(2+6)\,\text{Log}[2,8],\text{Log}\left[2,(6+2)^8\right],(2\times6)\,\text{mod}[2,8],2(6\,\text{mod}[2,8]),(2-6)(2-8),2(6-(2-8)),\frac{2^6}{2}-8,(2\,\text{mod}[6,8])2,$$

$$2\ (\text{mod}[6,\ 8]\ 2),\ (2+6)+8\times 2,\ 2+(6+8\times 2),\ \frac{2+6}{\text{Log}[8,\ 2]},\ 2\ (6+(8-2)),\ 2\ ((6+8)-2),$$

$$(\text{mod}[2,\ 8]\ 2)\ 6,\ (\text{mod}[2,\ 8]+2)\ 6,\ \text{Log}[2,\ 8\times 2]\ 6,\ \text{mod}[2,\ 8]^2\ 6,\ \text{root}[2\times 8,\ 2]\ 6,$$
$$\text{mod}[2,\ 8]\ (2\times 6),\ \text{Log}[2,\ 8]\ (2+6),\ (2\times 8+2)+6,\ (2+8\times 2)+6,\ 2\ ((8-2)+6),$$
$$2\times 8+(2+6),\ 2+(8\times 2+6),\ \text{Log}\left[2,\ 8^{2+6}\right],\ \text{Log}\left[2,\ (8\times 2)^6\right],\ (2-8)\ (2-6),\ 2\ (8-(2-6)),$$
$$(\text{mod}[2,\ 8]\ 6)\ 2,\ \text{mod}[2,\ 8]\ (6\times 2),\ \text{Log}[2,\ 8]\ (6+2),\ (2\times 8+6)+2,\ 2\times 8+(6+2),$$
$$\text{Log}\left[2,\ 8^{6+2}\right],\ 2\ (8+(6-2)),\ 2\ ((8+6)-2),\ (6+2)\ 2+8,\ (6-2)^2+8,\ (6+2)+2\times 8,$$
$$6+(2+2\times 8),\ (6+2)\ \text{Log}[2,\ 8],\ 6\ \text{Log}[2,\ 2\times 8],\ (6\times 2)\ \text{mod}[2,\ 8],\ 6\ (2\ \text{mod}[2,\ 8]),$$
$$6\ (2+\text{mod}[2,\ 8]),\ 6\ \text{mod}[2\times 2,\ 8],\ 6\ \text{mod}[2+2,\ 8],\ 6\ \text{mod}\left[2^2,\ 8\right],\ 6\times 2^{\text{mod}[2,8]},\ ((6-2)+8)\ 2,$$
$$(6\ \text{mod}[2,\ 8])\ 2,\ (6-(2-8))\ 2,\ 6\ (\text{mod}[2,\ 8]\ 2),\ (6+2\times 8)+2,\ 6\ (\text{mod}[2,\ 8]+2),$$
$$(6+2)+8\times 2,\ 6+(2\times 8+2),\ 6+(2+8\times 2),\ \frac{6}{\text{Log}[2\times 8,\ 2]},\ \frac{6+2}{\text{Log}[8,\ 2]},\ 6\ \text{Log}[2,\ 8\times 2],$$
$$6\ \text{mod}[2,\ 8]^2,\ 6\ \text{root}[2\times 8,\ 2],\ (6-2)\ (8-2),\ (\text{mod}[6,\ 8]\ 2)\ 2,\ (6+(8-2))\ 2,\ ((6+8)-2)\ 2,$$
$$\text{mod}[6,\ 8]\ (2\times 2),\ \text{mod}[6,\ 8]\ (2+2),\ (6+8\times 2)+2,\ 6+(8\times 2+2),\ \frac{6}{\text{Log}[8\times 2,\ 2]},$$
$$\text{mod}[6,\ 8]\ 2^2,\ 6\ \text{root}[8\times 2,\ 2],\ 6\ (8-2\times 2),\ 6\ (8-(2+2)),\ 6\ \left(8-2^2\right),\ 6\ ((8-2)-2),$$
$$\text{root}[8\times 2,\ 2]\ 6,\ (8-2\times 2)\ 6,\ (8-(2+2))\ 6,\ \left(8-2^2\right)\ 6,\ ((8-2)-2)\ 6,\ (8\times 2+2)+6,$$
$$8\times 2+(2+6),\ 8+2\ (2+6),\ 8\ \text{Log}[2,\ 2+6],\ ((8-2)+6)\ 2,\ (8-(2-6))\ 2,\ (8\times 2+6)+2,$$
$$8+(2+6)\ 2,\ 8\times 2+(6+2),\ 8+2\ (6+2),\ \frac{8}{\text{Log}[2+6,\ 2]},\ 8\ \text{Log}[2,\ 6+2],\ 8+2^{6-2},$$
$$(8-2)\ (6-2),\ (8+(6-2))\ 2,\ ((8+6)-2)\ 2,\ 8+(6+2)\ 2,\ \frac{8}{\text{Log}[6+2,\ 2]},\ 8+(6-2)^2\Big\}\Big\},$$

$$\Big\{\{2,\ 2,\ 6,\ 9\},\ \Big\{(2\times 2)\ \text{mod}[6,\ 9],\ (2+2)\ \text{mod}[6,\ 9],\ 2^2\ \text{mod}[6,\ 9],\ 2\ (2\ \text{mod}[6,\ 9]),$$
$$(2\ \text{mod}[2,\ 9])\ 6,\ (2+\text{mod}[2,\ 9])\ 6,\ \text{mod}[2\times 2,\ 9]\ 6,\ \text{mod}[2+2,\ 9]\ 6,\ \text{mod}\left[2^2,\ 9\right]\ 6,$$
$$2^{\text{mod}[2,9]}\ 6,\ 2\ (\text{mod}[2,\ 9]\ 6),\ 2\ (2\times 9-6),\ 2\ \left(\frac{6}{2}+9\right),\ (2\times 6)\ \text{mod}[2,\ 9],\ 2\ (6\ \text{mod}[2,\ 9]),$$
$$(2\ \text{mod}[6,\ 9])\ 2,\ 2\ (\text{mod}[6,\ 9]\ 2),\ (2+6)\ \text{root}[9,\ 2],\ \text{root}\left[2^6\ 9,\ 2\right],\ (\text{mod}[2,\ 9]\ 2)\ 6,$$
$$(\text{mod}[2,\ 9]+2)\ 6,\ \text{mod}[2,\ 9]^2\ 6,\ \text{mod}[2,\ 9]\ (2\times 6),\ 2\ (9\times 2-6),\ (\text{mod}[2,\ 9]\ 6)\ 2,$$
$$(2\times 9-6)\ 2,\ \text{mod}[2,\ 9]\ (6\times 2),\ 2\ \left(9+\frac{6}{2}\right),\ (6\times 2)\ \text{mod}[2,\ 9],\ 6\ (2\ \text{mod}[2,\ 9]),$$
$$6\ (2+\text{mod}[2,\ 9]),\ 6\ \text{mod}[2\times 2,\ 9],\ 6\ \text{mod}[2+2,\ 9],\ 6\ \text{mod}\left[2^2,\ 9\right],\ 6\times 2^{\text{mod}[2,9]},$$
$$\left(\frac{6}{2}+9\right)\ 2,\ (6\ \text{mod}[2,\ 9])\ 2,\ 6\ (\text{mod}[2,\ 9]\ 2),\ 6\ (\text{mod}[2,\ 9]+2),\ 6\ \text{mod}[2,\ 9]^2,$$
$$(6+2)\ \text{root}[9,\ 2],\ (\text{mod}[6,\ 9]\ 2)\ 2,\ \text{mod}[6,\ 9]\ (2\times 2),\ \text{mod}[6,\ 9]\ (2+2),\ \text{mod}[6,\ 9]\ 2^2,$$
$$\text{root}[9,\ 2]\ (2+6),\ (9\times 2-6)\ 2,\ \text{root}[9,\ 2]\ (6+2),\ \text{root}\left[9\times 2^6,\ 2\right],\ \left(9+\frac{6}{2}\right)\ 2\Big\}\Big\},$$

$$\Big\{\{2,\ 2,\ 6,\ 10\},\ \Big\{(2+2\times 6)+10,\ 2\ (\text{mod}[2,\ 6]+10),\ 2+(2\times 6+10),\ (2\times 2)\ \text{mod}[6,\ 10],$$
$$(2+2)\ \text{mod}[6,\ 10],\ 2^2\ \text{mod}[6,\ 10],\ 2\ (2\ \text{mod}[6,\ 10]),\ (2\ \text{mod}[2,\ 10])\ 6,\ (2+\text{mod}[2,\ 10])\ 6,$$
$$\text{mod}[2\times 2,\ 10]\ 6,\ \text{mod}[2+2,\ 10]\ 6,\ \text{mod}\left[2^2,\ 10\right]\ 6,\ 2^{\text{mod}[2,10]}\ 6,\ 2\ (\text{mod}[2,\ 10]\ 6),$$
$$\text{mod}[2,\ 6]\ (2+10),\ (2\times 6+2)+10,\ (2+6\times 2)+10,\ 2\times 6+(2+10),\ 2+(6\times 2+10),$$
$$(2\times 6)\ \text{mod}[2,\ 10],\ 2\ (6\ \text{mod}[2,\ 10]),\ (\text{mod}[2,\ 6]+10)\ 2,\ (2\ \text{mod}[6,\ 10])\ 2,$$
$$2\ (\text{mod}[6,\ 10]\ 2),\ \text{mod}[2,\ 6]\ (10+2),\ (2\times 6+10)+2,\ 2\times 6+(10+2),\ (\text{mod}[2,\ 10]\ 2)\ 6,$$
$$(\text{mod}[2,\ 10]+2)\ 6,\ \text{mod}[2,\ 10]^2\ 6,\ \text{mod}[2,\ 10]\ (2\times 6),\ (2\times 10-2)+6,\ (2+10)+2\times 6,$$
$$2+(10+2\times 6),\ \frac{(2+10)^2}{6},\ (2+10)\ \text{mod}[2,\ 6],\ 2\ (10+\text{mod}[2,\ 6]),\ 2\times 10-(2-6),$$
$$(\text{mod}[2,\ 10]\ 6)\ 2,\ \text{mod}[2,\ 10]\ (6\times 2),\ (2+10)+6\times 2,\ 2+(10+6\times 2),\ 2\times 10+(6-2),$$
$$(2\times 10+6)-2,\ (6\times 2+2)+10,\ (6-2)+2\times 10,\ 6\times 2+(2+10),\ (6\times 2)\ \text{mod}[2,\ 10],$$
$$6\ (2\ \text{mod}[2,\ 10]),\ 6\ (2+\text{mod}[2,\ 10]),\ 6\ \text{mod}[2\times 2,\ 10],\ 6\ \text{mod}[2+2,\ 10],\ 6\ \text{mod}\left[2^2,\ 10\right],$$

$$6 \times 2^{\text{mod}[2,10]},\ 6-(2-2\times 10),\ 6^2-(2+10),\ \left(6^2-2\right)-10,\ (6\ \text{mod}[2,\ 10])\ 2,$$

$$6\ (\text{mod}[2,\ 10]\ 2),\ (6\times 2+10)+2,\ 6\ (\text{mod}[2,\ 10]+2),\ (6-2)+10\times 2,\ 6\times 2+(10+2),\ \frac{6}{\frac{2}{10-2}},$$

$$6\ \text{mod}[2,\ 10]^2,\ 6-(2-10\times 2),\ \frac{6}{2}\ (10-2),\ 6+(2\times 10-2),\ (6+2\times 10)-2,\ 6^2-(10+2),$$

$$\left(6^2-10\right)-2,\ (\text{mod}[6,\ 10]\ 2)\ 2,\ \text{mod}[6,\ 10]\ (2\times 2),\ \text{mod}[6,\ 10]\ (2+2),\ 6\ \frac{10-2}{2},$$

$$\frac{6\ (10-2)}{2},\ \text{mod}[6,\ 10]\ 2^2,\ 6+(10\times 2-2),\ (6+10\times 2)-2,\ \frac{10-2}{2}\ 6,\ (10\times 2-2)+6,$$

$$(10+2)+2\times 6,\ 10+(2+2\times 6),\ \frac{(10+2)^2}{6},\ \frac{10-2}{\frac{2}{6}},\ (10+2)\ \text{mod}[2,\ 6],\ 10\times 2-(2-6),$$

$$(10+\text{mod}[2,\ 6])\ 2,\ (10+2\times 6)+2,\ (10+2)+6\times 2,\ 10+(2\times 6+2),\ 10+(2+6\times 2),$$

$$(10-2)\ \frac{6}{2},\ \frac{(10-2)\ 6}{2},\ 10\times 2+(6-2),\ (10\times 2+6)-2,\ (10+6\times 2)+2,\ 10+(6\times 2+2)\Big\}\Big\},$$

$$\{\{2,\ 2,\ 7,\ 7\},\ \{2\ ((7-2)+7),\ 2\ (7-(2-7)),\ 2\ (7+(7-2)),\ 2\ ((7+7)-2),$$

$$((7-2)+7)\ 2,\ (7-(2-7))\ 2,\ (7+(7-2))\ 2,\ ((7+7)-2)\ 2\}\},$$

$$\Big\{\{2,\ 2,\ 7,\ 8\},\ \Big\{(2+2\times 7)+8,\ 2+(2\times 7+8),\ (2+\text{mod}[7,\ 2])\ 8,\ \text{root}[2+7,\ 2]\ 8,$$

$$(2\times 7+2)+8,\ (2+7\times 2)+8,\ 2\times 7+(2+8),\ 2+(7\times 2+8),\ 2^{7-2}-8,\ (2\times 7+8)+2,$$

$$2\times 7+(8+2),\ (2+8)+2\times 7,\ 2+(8+2\times 7),\ (2+8)+7\times 2,\ 2+(8+7\times 2),$$

$$(\text{mod}[7,\ 2]+2)\ 8,\ \text{mod}[7,\ 2\times 2]\ 8,\ \text{mod}[7,\ 2+2]\ 8,\ \text{mod}\left[7,\ 2^2\right]\ 8,\ \text{root}[7+2,\ 2]\ 8,$$

$$(7-2\times 2)\ 8,\ (7-(2+2))\ 8,\ \left(7-2^2\right)\ 8,\ ((7-2)-2)\ 8,\ (7\times 2+2)+8,\ 7\times 2+(2+8),$$

$$(7\times 2+8)+2,\ 7\times 2+(8+2),\ (8+2)+2\times 7,\ 8+(2+2\times 7),\ (8+2\times 7)+2,\ (8+2)+7\times 2,$$

$$8+(2\times 7+2),\ 8+(2+7\times 2),\ 8\ (2+\text{mod}[7,\ 2]),\ 8\ \text{root}[2+7,\ 2],\ (8+7\times 2)+2,$$

$$8\ (\text{mod}[7,\ 2]+2),\ 8+(7\times 2+2),\ 8\ \text{mod}[7,\ 2\times 2],\ 8\ \text{mod}[7,\ 2+2],\ 8\ \text{mod}\left[7,\ 2^2\right],$$

$$8\ \text{root}[7+2,\ 2],\ 8\ (7-2\times 2),\ 8\ (7-(2+2)),\ 8\ \left(7-2^2\right),\ 8\ ((7-2)-2)\Big\}\Big\},$$

$$\{\{2,\ 2,\ 7,\ 9\},\ \{\}\},\ \Big\{\{2,\ 2,\ 7,\ 10\},\ \Big\{2\ (\text{mod}[2,\ 7]+10),\ \text{mod}[2,\ 7]\ (2+10),$$

$$(\text{mod}[2,\ 7]+10)\ 2,\ \text{mod}[2,\ 7]\ (10+2),\ 2\left(7+\frac{10}{2}\right),\ 2\left(\frac{10}{2}+7\right),\ (2+10)\ \text{mod}[2,\ 7],$$

$$2\ (10+\text{mod}[2,\ 7]),\ \left(7+\frac{10}{2}\right)\ 2,\ (10+2)\ \text{mod}[2,\ 7],\ \left(\frac{10}{2}+7\right)\ 2,\ (10+\text{mod}[2,\ 7])\ 2\Big\}\Big\},$$

$$\Big\{\{2,\ 2,\ 8,\ 8\},\ \Big\{\text{root}[2,\ 2]^8+8,\ (2\times 2)\ 8-8,\ (2+2)\ 8-8,\ 2^2\ 8-8,\ 2\ (2\times 8)-8,\ 2\left(\frac{8}{2}+8\right),$$

$$2^{\frac{8}{2}}+8,\ \text{root}\left[2^8,\ 2\right]+8,\ (2\times 8)\ 2-8,\ 2\ (8\times 2)-8,\ 2\left(8+\frac{8}{2}\right),\ \frac{8-2}{2}\ 8,\ \left(\frac{8}{2}\right)^2+8,\ \frac{8-2}{\frac{2}{8}},$$

$$8+\text{root}[2,\ 2]^8,\ (8\times 2)\ 2-8,\ 8\ (2\times 2)-8,\ 8\ (2+2)-8,\ \frac{8^2}{2}-8,\ 8\times 2^2-8,\ \left(\frac{8}{2}+8\right)\ 2,\ (8-2)\ \frac{8}{2},$$

$$\frac{8}{\frac{2}{8-2}},\ \frac{(8-2)\ 8}{2},\ 8+2^{\frac{8}{2}},\ 8+\text{root}\left[2^8,\ 2\right],\ \frac{8}{2}\ (8-2),\ \left(8+\frac{8}{2}\right)\ 2,\ 8\ \frac{8-2}{2},\ \frac{8\ (8-2)}{2},\ 8+\left(\frac{8}{2}\right)^2\Big\}\Big\},$$

$$\Big\{\{2,\ 2,\ 8,\ 9\},\ \Big\{2\ (\text{Log}[2,\ 8]+9),\ (\text{Log}[2,\ 8]+9)\ 2,\ (2+\text{mod}[9,\ 2])\ 8,\ (2\times 9-2)+8,$$

$$2\ (9+\text{Log}[2,\ 8]),\ 2\times 9-(2-8),\ 2\times 9+(8-2),\ (2\times 9+8)-2,\ (8-2)+2\times 9,\ 8-(2-2\times 9),$$

$$(8-2)+9\times 2,\ 8\ (2+\text{mod}[9,\ 2]),\ \text{root}\left[8^2\ 9,\ 2\right],\ 8-(2-9\times 2),\ 8+(2\times 9-2),\ (8+2\times 9)-2,$$

$$8\ (\text{mod}[9,\ 2]+2),\ 8+(9\times 2-2),\ (8+9\times 2)-2,\ (\text{mod}[9,\ 2]+2)\ 8,\ (9\times 2-2)+8,$$

$$9\times 2-(2-8),\ (9+\text{Log}[2,\ 8])\ 2,\ 9\times 2+(8-2),\ (9\times 2+8)-2,\ \text{root}\left[9\times 8^2,\ 2\right]\Big\}\Big\},$$

$$\Big\{\{2,\ 2,\ 8,\ 10\},\ \Big\{2\ (\text{mod}[2,\ 8]+10),\ 2\ (2\times 10-8),\ \text{root}[2,\ 2]^{10}-8,\ \text{mod}[2,\ 8]\ (2+10),$$

$$(2\times 8-2)+10,\ 2\times 8-(2-10),\ (\text{mod}[2,\ 8]+10)\ 2,\ \text{mod}[2,\ 8]\ (10+2),\ \text{Log}\left[2,\ 8^{10-2}\right],$$

$$\text{Log}[2,\,8]\,(10-2),\ 2\times 8+(10-2),\ (2\times 8+10)-2,\ \text{Log}[2,\,10-2]\,8,\ 2\,(10-2)+8,$$
$$\text{Log}\left[2,\,(10-2)^8\right],\ (2+10)\bmod[2,\,8],\ 2\,(10+\bmod[2,\,8]),\ 2\,(10\times 2-8),\ 2^{\frac{10}{2}}-8,$$
$$\text{root}\left[2^{10},\,2\right]-8,\ (2\times 10-8)\,2,\ 2\times 10+\frac{8}{2},\ (8\times 2-2)+10,\ \frac{8}{2}+2\times 10,\ 8-2\,(2-10),$$
$$8\times 2-(2-10),\ \frac{8}{2}+10\times 2,\ 8\,\text{Log}[2,\,10-2],\ 8-(2-10)\,2,\ 8\times 2+(10-2),$$
$$8+2\,(10-2),\ (8\times 2+10)-2,\ 8+(10-2)\,2,\ \frac{8}{\text{Log}[10-2,\,2]},\ 8\left(\frac{10}{2}-2\right),\ \left(\frac{10}{2}-2\right)8,$$
$$(10-2)\,2+8,\ (10-2)+2\times 8,\ (10-2)\,\text{Log}[2,\,8],\ (10+2)\bmod[2,\,8],\ 10-(2-2\times 8),$$
$$(10+\bmod[2,\,8])\,2,\ (10\times 2-8)\,2,\ (10-2)+8\times 2,\ 10\times 2+\frac{8}{2},\ \frac{10-2}{\text{Log}[8,\,2]},$$
$$10-(2-8\times 2),\ 10+(2\times 8-2),\ (10+2\times 8)-2,\ 10+(8\times 2-2),\ (10+8\times 2)-2\Big\}\Big\},$$

$$\{\{2,\,2,\,9,\,9\},\ \{2\,(\text{root}[9,\,2]+9),\ 2\,(9+\text{root}[9,\,2]),\ (\text{root}[9,\,2]+9)\,2,\ (9+\text{root}[9,\,2])\,2\}\},$$

$$\{\{2,\,2,\,9,\,10\},\ \{2\,(\bmod[2,\,9]+10),\ \bmod[2,\,9]\,(2+10),\ 2\,(9-2)+10,$$
$$(\bmod[2,\,9]+10)\,2,\ \bmod[2,\,9]\,(10+2),\ (2+10)\bmod[2,\,9],\ 2\,(10+\bmod[2,\,9]),$$
$$(9-2)\,2+10,\ \text{root}[9,\,2]\,(10-2),\ (10+2)\bmod[2,\,9],\ 10-2\,(2-9),$$
$$(10+\bmod[2,\,9])\,2,\ (10-2)\,\text{root}[9,\,2],\ 10+2\,(9-2),\ 10-(2-9)\,2,\ 10+(9-2)\,2\}\},$$

$$\Big\{\{2,\,2,\,10,\,10\},\ \Big\{(2\times 2+10)+10,\ ((2+2)+10)+10,\ \left(2^2+10\right)+10,\ (2+(2+10))+10,$$
$$2\,(\bmod[2,\,10]+10),\ 2\times 2+(10+10),\ (2+2)+(10+10),\ 2^2+(10+10),\ 2+((2+10)+10),$$
$$2+(2+(10+10)),\ \bmod[2,\,10]\,(2+10),\ ((2+10)+2)+10,\ (2+(10+2))+10,$$
$$(2+10)+(2+10),\ 2+((10+2)+10),\ 2+(10+(2+10)),\ (2+10)\bmod[2,\,10],$$
$$2\,(10+\bmod[2,\,10]),\ (\bmod[2,\,10]+10)\,2,\ \bmod[2,\,10]\,(10+2),\ ((2+10)+10)+2,$$
$$(2+(10+10))+2,\ (2+10)+(10+2),\ 2+((10+10)+2),\ 2+(10+(10+2)),$$
$$((10+2)+2)+10,\ (10+2\times 2)+10,\ (10+(2+2))+10,\ \left(10+2^2\right)+10,\ (10+2)+(2+10),$$
$$10+(2\times 2+10),\ 10+((2+2)+10),\ 10+\left(2^2+10\right),\ 10+(2+(2+10)),\ (10+2)\bmod[2,\,10],$$
$$(10+\bmod[2,\,10])\,2,\ ((10+2)+10)+2,\ (10+(2+10))+2,\ (10+2)+(10+2),\ 10+((2+10)+2),$$
$$10+(2+(10+2)),\ ((10+10)+2)+2,\ (10+(10+2))+2,\ (10+10)+2\times 2,\ (10+10)+(2+2),$$
$$10+((10+2)+2),\ 10+(10+2\times 2),\ 10+(10+(2+2)),\ (10+10)+2^2,\ 10+\left(10+2^2\right)\Big\}\Big\},$$

$$\Big\{\{2,\,3,\,3,\,3\},\ \Big\{((2+3)+3)\,3,\ (2+(3+3))\,3,\ \bmod[2,\,3]^3\,3,\ 2\,(3\times 3+3),\ 2\,(3+3\times 3),$$
$$(2\,\text{root}[3,\,3])^3,\ ((3+2)+3)\,3,\ (3+(2+3))\,3,\ 3\,((2+3)+3),\ 3\,(2+(3+3)),$$
$$3\bmod[2,\,3]^3,\ 3^2\,3-3,\ ((3+3)+2)\,3,\ (3+(3+2))\,3,\ 3\,((3+2)+3),\ 3\,(3+(2+3)),$$
$$(\text{root}[3,\,3]\,2)^3,\ 3\times 3^2-3,\ (3\times 3+3)\,2,\ (3+3\times 3)\,2,\ 3\,((3+3)+2),\ 3\,(3+(3+2))\Big\}\Big\},$$

$$\Big\{\{2,\,3,\,3,\,4\},\ \Big\{(\bmod[2,\,3]\,3)\,4,\ \bmod[2,\,3]\,(3\times 4),\ 2^3\bmod[3,\,4],\ (\bmod[2,\,3]\,4)\,3,$$
$$2^{\bmod[3,4]}\,3,\ \bmod[2,\,3]\,(4\times 3),\ \text{Log}[2,\,4]^3\,3,\ \bmod[2,\,4]^3\,3,\ (3\bmod[2,\,3])\,4,\ \left(3^2-3\right)4,$$
$$3\,(\bmod[2,\,3]\,4),\ 3\times 2^{\bmod[3,4]},\ \frac{3}{\left(\frac{2}{4}\right)^3},\ 3\,\text{Log}[2,\,4]^3,\ 3\bmod[2,\,4]^3,\ \frac{3}{\text{Log}[4,\,2]^3},$$
$$(3\times 4)\bmod[2,\,3],\ 3\,(4\bmod[2,\,3]),\ \bmod[3,\,4]\,2^3,\ 3\left(\frac{4}{2}\right)^3,\ 3\,\text{root}[4,\,2]^3,\ 3\,(4-2)^3,$$
$$3\times 4^{\frac{3}{2}},\ 3\,\text{root}\left[4^3,\,2\right],\ (4\bmod[2,\,3])\,3,\ \left(\frac{4}{2}\right)^3 3,\ \text{root}[4,\,2]^3\,3,\ (4-2)^3\,3,$$
$$4\,(\bmod[2,\,3]\,3),\ 4^{\frac{3}{2}}\,3,\ \text{root}\left[4^3,\,2\right]3,\ (4\times 3)\bmod[2,\,3],\ 4\,(3\bmod[2,\,3]),\ 4\left(3^2-3\right)\Big\}\Big\},$$

$$\Big\{\{2,\,3,\,3,\,5\},\ \Big\{2^3\bmod[3,\,5],\ 2+\left(3^3-5\right),\ \left(2+3^3\right)-5,\ 2^{\bmod[3,5]}\,3,\ 2\,(3\times 5-3),\ \bmod[2,\,5]^3\,3,$$
$$(2+5)\,3+3,\ (2-5)+3^3,\ 2-\left(5-3^3\right),\ 2\,(5\times 3-3),\ 3^2+3\times 5,\ 3\times 2^{\bmod[3,5]},\ 3\,(2+5)+3,$$
$$3^2+5\times 3,\ 3+(2+5)\,3,\ 3\bmod[2,\,5]^3,\ 3+3\,(2+5),\ 3^3+(2-5),\ \left(3^3+2\right)-5,\ \left(3^3-5\right)+2,$$
$$3+3\,(5+2),\ 3^3-(5-2),\ 3\,(5+2)+3,\ 3+(5+2)\,3,\ \bmod[3,\,5]\,2^3,\ 3^{5-2}-3,\ (3\times 5-3)\,2,$$
$$3\times 5+3^2,\ (5+2)\,3+3,\ 5^2-\frac{3}{3},\ 5^2-\text{Log}[3,\,3],\ (5-2)^3-3,\ (5\times 3-3)\,2,\ 5\times 3+3^2\Big\}\Big\},$$

$$\Big\{\{2, 3, 3, 6\}, \Big\{(2\times 3)\ 3+6,\ 2\ (3\times 3)+6,\ 2\ ((3+3)+6),\ 2\times 3+3\times 6,\ 2\ (3+(3+6)),$$
$$2^3\bmod[3,\ 6],\ (\mathrm{mod}[2,\ 3]+6)\ 3,\ 2^{\mathrm{mod}[3,6]}\ 3,\ 2\ ((3+6)+3),\ 2\times 3+6\times 3,\ 2\ (3+(6+3)),$$
$$2^3\ (6-3),\ 2^{6-3}\ 3,\ \mathrm{mod}[2,\ 6]^3\ 3,\ 2\ ((6+3)+3),\ 2\ (6+(3+3)),\ (\mathrm{mod}[3,\ 2]+3)\ 6,$$
$$((3-2)+3)\ 6,\ (3-(2-3))\ 6,\ (3\times 2)\ 3+6,\ 3\ (2\times 3)+6,\ 3\ (\mathrm{mod}[2,\ 3]+6),\ 3\times 2+3\times 6,$$
$$\frac{3}{2^{3-6}},\ 3\times 2^{\mathrm{mod}[3,6]},\ 3\times 2+6\times 3,\ 3\times 2^{6-3},\ 3\bmod[2,\ 6]^3,\ \mathrm{root}[3,\ 2]^6-3,\ (3+\mathrm{mod}[3,\ 2])\ 6,$$
$$(3+(3-2))\ 6,\ ((3+3)-2)\ 6,\ (3\times 3)\ 2+6,\ 3\ (3\times 2)+6,\ ((3+3)+6)\ 2,\ (3+(3+6))\ 2,$$
$$(3+3)\ (6-2),\ 3^3-\frac{6}{2},\ 3\times 6+2\times 3,\ 3\ (6+\mathrm{mod}[2,\ 3]),\ \mathrm{mod}[3,\ 6]\ 2^3,\ 3^{\frac{6}{2}}-3,\ \mathrm{root}\left[3^6,\ 2\right]-3,$$
$$((3+6)+3)\ 2,\ (3+(6+3))\ 2,\ 3\times 6+3\times 2,\ (6+\mathrm{mod}[2,\ 3])\ 3,\ (6-2)\ (3+3),\ 6+(2\times 3)\ 3,$$
$$6+2\ (3\times 3),\ \left(\frac{6}{2}\right)^3-3,\ 6\ (\mathrm{mod}[3,\ 2]+3),\ 6\ ((3-2)+3),\ 6\times 3+2\times 3,\ 6+(3\times 2)\ 3,$$
$$6+3\ (2\times 3),\ (6-3)\ 2^3,\ 6\ (3-(2-3)),\ ((6+3)+3)\ 2,\ (6+(3+3))\ 2,\ 6\times 3+3\times 2,$$
$$6+(3\times 3)\ 2,\ 6+3\ (3\times 2),\ \frac{6^3}{3^2},\ 6\ (3+\mathrm{mod}[3,\ 2]),\ 6\ (3+(3-2)),\ 6\ ((3+3)-2)\Big\}\Big\},$$
$$\Big\{\{2, 3, 3, 7\}, \Big\{2^3\bmod[3,\ 7],\ 2^{\mathrm{mod}[3,7]}\ 3,\ (2\times 3)\ (7-3),\ 2\ (3\ (7-3)),\ \mathrm{mod}[2,\ 7]^3\ 3,\ (2\ (7-3))\ 3,$$
$$2\ ((7-3)\ 3),\ (2+7)\ 3-3,\ 3\times 2^{\mathrm{mod}[3,7]},\ (\mathrm{mod}[3,\ 2]+7)\ 3,\ ((3-2)+7)\ 3,\ (3-(2-7))\ 3,$$
$$3\bmod[2,\ 7]^3,\ (3\times 2)\ (7-3),\ 3\ (2\ (7-3)),\ 3\ (2+7)-3,\ 3\ (\mathrm{mod}[3,\ 2]+7),\ 3\ ((3-2)+7),$$
$$3\ (3-(2-7)),\ 3\ (3+(7-2)),\ 3\ ((3+7)-2),\ (3+(7-2))\ 3,\ ((3+7)-2)\ 3,\ 3\ ((7-2)+3),$$
$$\mathrm{mod}[3,\ 7]\ 2^3,\ 3\ (7-(2-3)),\ 3\ (7+2)-3,\ (3\ (7-3))\ 2,\ 3\ ((7-3)\ 2),\ 3\ (7+\mathrm{mod}[3,\ 2]),$$
$$3\ (7+(3-2)),\ 3\ ((7+3)-2),\ ((7-2)+3)\ 3,\ (7-(2-3))\ 3,\ (7+2)\ 3-3,\ ((7-3)\ 2)\ 3,$$
$$(7+\mathrm{mod}[3,\ 2])\ 3,\ (7+(3-2))\ 3,\ ((7+3)-2)\ 3,\ (7-3)\ (2\times 3),\ ((7-3)\ 3)\ 2,\ (7-3)\ (3\times 2)\Big\}\Big\},$$
$$\Big\{\{2, 3, 3, 8\}, \Big\{\left(2+\frac{3}{3}\right)\ 8,\ (2+\mathrm{Log}[3,\ 3])\ 8,\ (2\times 3-3)\ 8,\ 2^3\bmod[3,\ 8],\ 2^{\mathrm{mod}[3,8]}\ 3,$$
$$\mathrm{mod}[2,\ 8]^3\ 3,\ \mathrm{Log}[2,\ 8]^3-3,\ (\mathrm{mod}[3,\ 2]\ 3)\ 8,\ ((3-2)\ 3)\ 8,\ \frac{3^2}{3}\ 8,\ \mathrm{mod}[3,\ 2\times 3]\ 8,$$
$$\mathrm{mod}[3,\ 2+3]\ 8,\ \mathrm{mod}\left[3,\ 2^3\right]\ 8,\ (3\times 2-3)\ 8,\ \mathrm{mod}[3,\ 2]\ (3\times 8),\ (3-2)\ (3\times 8),\ \frac{3^2}{\frac{3}{8}},$$
$$3\times 2^{\mathrm{mod}[3,8]},\ (\mathrm{mod}[3,\ 2]\ 8)\ 3,\ ((3-2)\ 8)\ 3,\ \mathrm{mod}[3,\ 2]\ (8\times 3),\ (3-2)\ (8\times 3),\ 3^2\ \frac{8}{3},$$
$$\frac{3^2\ 8}{3},\ 3\bmod[2,\ 8]^3,\ 3^{\mathrm{Log}[2,8]}-3,\ \left(\frac{3}{3}+2\right)\ 8,\ (\mathrm{Log}[3,\ 3]+2)\ 8,\ \frac{3}{\mathrm{mod}[3,\ 2]}\ 8,\ \frac{3}{3-2}\ 8,$$
$$\frac{3+3}{2}\ 8,\ (3\bmod[3,\ 2])\ 8,\ \mathrm{mod}[3,\ 3\times 2]\ 8,\ \mathrm{mod}[3,\ 3+2]\ 8,\ \mathrm{mod}\left[3,\ 3^2\right]\ 8,\ 3^{\mathrm{mod}[3,2]}\ 8,\ 3^{3-2}\ 8,$$
$$\mathrm{root}[3,\ \mathrm{mod}[3,\ 2]]\ 8,\ \mathrm{root}[3,\ 3-2]\ 8,\ \mathrm{root}[3\times 3,\ 2]\ 8,\ (3\ (3-2))\ 8,\ 3\ (\mathrm{mod}[3,\ 2]\ 8),$$
$$3\ ((3-2)\ 8),\ \frac{3}{\frac{\mathrm{mod}[3,2]}{8}},\ \frac{3}{\frac{3-2}{8}},\ \frac{3+3}{\frac{2}{8}},\ 3^3-\mathrm{Log}[2,\ 8],\ (3+3)\ \frac{8}{2},\ \frac{(3+3)\ 8}{2},\ \frac{3}{8^{2-3}},\ \frac{3}{\mathrm{root}[8,\ 2-3]},$$
$$\mathrm{mod}[3,\ 8]\ 2^3,\ 3\ \frac{8}{\mathrm{mod}[3,\ 2]},\ 3\ \frac{8}{3-2},\ \frac{3\times 8}{\mathrm{mod}[3,\ 2]},\ \frac{3\times 8}{3-2},\ (3\times 8)\bmod[3,\ 2],\ 3\ (8\bmod[3,\ 2]),$$
$$3\bmod\left[8,\ 3^2\right],\ 3\times 8^{\mathrm{mod}[3,2]},\ 3\times 8^{3-2},\ (3\times 8)^{\mathrm{mod}[3,2]},\ (3\times 8)^{3-2},\ 3\ \mathrm{root}[8,\ \mathrm{mod}[3,\ 2]],$$
$$3\ \mathrm{root}[8,\ 3-2],\ \mathrm{root}[3\times 8,\ \mathrm{mod}[3,\ 2]],\ \mathrm{root}[3\times 8,\ 3-2],\ (3\times 8)\ (3-2),\ 3\ (8\ (3-2)),$$
$$\frac{8}{2}\ (3+3),\ 8\left(2+\frac{3}{3}\right),\ \frac{8}{\frac{2}{3+3}},\ 8\ (2+\mathrm{Log}[3,\ 3]),\ 8\ (2\times 3-3),\ \frac{8}{\mathrm{mod}[3,\ 2]}\ 3,\ \frac{8}{3-2}\ 3,$$
$$(8\bmod[3,\ 2])\ 3,\ \mathrm{mod}\left[8,\ 3^2\right]\ 3,\ 8^{\mathrm{mod}[3,2]}\ 3,\ 8^{3-2}\ 3,\ \mathrm{root}[8,\ \mathrm{mod}[3,\ 2]]\ 3,\ \mathrm{root}[8,\ 3-2]\ 3,$$

$$(8\ (3-2))\ 3,\ 8\ (\text{mod}[3,\ 2]\ 3),\ 8\ ((3-2)\ 3),\ \frac{8}{\frac{\text{mod}[3,2]}{3}},\ \frac{8}{\frac{3-2}{3}},\ \frac{8}{3^{2-3}},\ \frac{8}{\text{root}[3,\ 2-3]},$$

$$8\ \frac{3^2}{3},\ \frac{8\times 3^2}{3},\ 8\ \text{mod}[3,\ 2\times 3],\ 8\ \text{mod}[3,\ 2+3],\ 8\ \text{mod}\left[3,\ 2^3\right],\ 8\ (3\times 2-3),\ 8\ \left(\frac{3}{3}+2\right),$$

$$8\ (\text{Log}[3,\ 3]+2),\ 8\ \frac{3}{\text{mod}[3,\ 2]},\ 8\ \frac{3}{3-2},\ \frac{8}{\frac{3}{3^2}},\ \frac{8\times 3}{\text{mod}[3,\ 2]},\ \frac{8\times 3}{3-2},\ 8\ \frac{3+3}{2},\ \frac{8\ (3+3)}{2},$$

$$(8\times 3)\ \text{mod}[3,\ 2],\ 8\ (3\ \text{mod}[3,\ 2]),\ 8\ \text{mod}[3,\ 3\times 2],\ 8\ \text{mod}[3,\ 3+2],\ 8\ \text{mod}\left[3,\ 3^2\right],\ \frac{8}{3}\ 3^2,$$

$$8\times 3^{\text{mod}[3,2]},\ 8\times 3^{3-2},\ (8\times 3)^{\text{mod}[3,2]},\ (8\times 3)^{3-2},\ 8\ \text{root}[3,\ \text{mod}[3,\ 2]],\ 8\ \text{root}[3,\ 3-2],$$

$$8\ \text{root}[3\times 3,\ 2],\ \text{root}[8\times 3,\ \text{mod}[3,\ 2]],\ \text{root}[8\times 3,\ 3-2],\ (8\times 3)\ (3-2),\ 8\ (3\ (3-2))\Big\}\Big\},$$

$$\Big\{\{2,\ 3,\ 3,\ 9\},\ \Big\{\frac{2^3}{3}\ 9,\ \text{mod}[2,\ 3]\ (3+9),\ (2+3)\ 3+9,\ \frac{2^3}{\frac{3}{9}},\ \frac{(2\times 3)^3}{9},\ 2^3\ \text{mod}[3,\ 9],$$

$$((2-3)+9)\ 3,\ \text{mod}\left[2^3,\ 9\right]\ 3,\ 2^{\text{mod}[3,9]}\ 3,\ \text{root}[2,\ 3]^9\ 3,\ (2-(3-9))\ 3,\ \text{mod}[2,\ 3]\ (9+3),$$

$$2^3\ \frac{9}{3},\ \frac{2^3\ 9}{3},\ 2^{\frac{9}{3}}\ 3,\ \text{mod}[2,\ 9]^3\ 3,\ \text{root}\left[2^9,\ 3\right]\ 3,\ (2+(9-3))\ 3,\ ((2+9)-3)\ 3,\ (2\times 9+3)+3,$$

$$2\times 9+(3+3),\ (3+2)\ 3+9,\ 3\ (2+3)+9,\ 3\ ((2-3)+9),\ \frac{(3\times 2)^3}{9},\ 3\ \text{mod}\left[2^3,\ 9\right],\ 3\times 2^{\text{mod}[3,9]},$$

$$3\ \text{root}[2,\ 3]^9,\ 3\ (2-(3-9)),\ (3+2\times 9)+3,\ 3+(2\times 9+3),\ 3\times 2^{\frac{9}{3}},\ 3\ \text{mod}[2,\ 9]^3,$$

$$3\ \text{root}\left[2^9,\ 3\right],\ 3-(2-9)\ 3,\ 3\ (2+(9-3)),\ 3\ ((2+9)-3),\ 3\ (3+2)+9,\ (3+3)+2\times 9,$$

$$3+(3+2\times 9),\ 3-3\ (2-9),\ (3+3)+9\times 2,\ 3+(3+9\times 2),\ 3+3\ (9-2),\ 3^3-\text{root}[9,\ 2],$$

$$(3+9\times 2)+3,\ 3\ (9-2)+3,\ 3+(9-2)\ 3,\ 3+(9\times 2+3),\ (3+9)\ \text{mod}[2,\ 3],\ \text{mod}[3,\ 9]\ 2^3,$$

$$3\ (9+(2-3)),\ 3\ ((9+2)-3),\ 3^{\text{root}[9,2]}-3,\ 3\ ((9-3)+2),\ 3\ (9-\text{mod}[3,\ 2]),\ 3\ (9-(3-2)),$$

$$(9+(2-3))\ 3,\ ((9+2)-3)\ 3,\ (9-2)\ 3+3,\ (9\times 2+3)+3,\ 9+(2+3)\ 3,\ 9\times 2+(3+3),$$

$$9\ \frac{2^3}{3},\ \frac{9\times 2^3}{3},\ \frac{9^2}{3}-3,\ \text{root}[9,\ 2]^3-3,\ ((9-3)+2)\ 3,\ (9-\text{mod}[3,\ 2])\ 3,\ (9-(3-2))\ 3,$$

$$9+(3+2)\ 3,\ 9+3\ (2+3),\ \frac{9}{\frac{3}{2^3}},\ (9+3)\ \text{mod}[2,\ 3],\ \frac{9}{3}\ 2^3,\ 9^{\frac{3}{2}}-3,\ \text{root}\left[9^3,\ 2\right]-3,\ 9+3\ (3+2)\Big\}\Big\},$$

$$\Big\{\{2,\ 3,\ 3,\ 10\},\ \Big\{2^3\ \text{mod}[3,\ 10],\ \text{mod}\left[2^3,\ 10\right]\ 3,\ 2^{\text{mod}[3,10]}\ 3,\ \text{mod}[2,\ 10]^3\ 3,$$

$$3\ \text{mod}\left[2^3,\ 10\right],\ 3\times 2^{\text{mod}[3,10]},\ 3\ \text{mod}[2,\ 10]^3,\ 3\ \left(3+\frac{10}{2}\right),\ \left(3+\frac{10}{2}\right)\ 3,$$

$$3\ \left(\frac{10}{2}+3\right),\ \text{mod}[3,\ 10]\ 2^3,\ 3\ (10-\text{mod}[2,\ 3]),\ 3\times 10-2\times 3,\ 3\times 10-3\times 2,$$

$$\left(\frac{10}{2}+3\right)\ 3,\ (10-\text{mod}[2,\ 3])\ 3,\ 10\times 3-2\times 3,\ 10\times 3-3\times 2\Big\}\Big\},$$

$$\Big\{\{2,\ 3,\ 4,\ 4\},\ \Big\{(\text{mod}[2,\ 3]+4)\ 4,\ (2\ \text{mod}[3,\ 4])\ 4,\ 2\ (\text{mod}[3,\ 4]\ 4),\ (2+3)\ 4+4,$$

$$2^3+4\times 4,\ (\text{Log}[2,\ 4]\ 3)\ 4,\ (\text{mod}[2,\ 4]\ 3)\ 4,\ \text{Log}\left[2,\ 4^3\right]\ 4,\ \text{Log}[2,\ 4]\ (3\times 4),$$

$$\text{mod}[2,\ 4]\ (3\times 4),\ \text{Log}\left[2,\ 4^{3\times 4}\right],\ \text{Log}\left[2,\ \left(4^3\right)^4\right],\ (2\times 4)\ \text{mod}[3,\ 4],\ 2\ (4\ \text{mod}[3,\ 4]),$$

$$(\text{Log}[2,\ 4]\ 4)\ 3,\ (\text{mod}[2,\ 4]\ 4)\ 3,\ \text{Log}\left[2,\ 4^4\right]\ 3,\ \text{Log}[2,\ 4]\ (4\times 3),\ \text{mod}[2,\ 4]\ (4\times 3),$$

$$\text{Log}\left[2,\ 4^{4\times 3}\right],\ \text{Log}\left[2,\ \left(4^4\right)^3\right],\ \left(\frac{3}{2}\ 4\right)\ 4,\ \frac{3}{\frac{2}{4}}\ 4,\ (3\ \text{Log}[2,\ 4])\ 4,\ (3\ \text{mod}[2,\ 4])\ 4,\ \frac{3}{2}\ (4\times 4),$$

$$3\,(\text{Log}[2,\,4]\,4),\;3\,(\text{mod}[2,\,4]\,4),\;(3+2)\,4+4,\;\frac{3}{\frac{2}{4\times 4}},\;\frac{3}{\frac{2}{\frac{4}{4}}},\;3\,\text{Log}\left[2,\,4^4\right],\;(\text{mod}[3,\,4]\,2)\,4,$$

$$\frac{3}{\text{Log}[4,\,2]}\,4,\;\left(3\times\frac{4}{2}\right)\,4,\;\frac{3\times 4}{2}\,4,\;(3\,\text{root}[4,\,2])\,4,\;(3\,(4-2))\,4,\;\text{mod}[3,\,4]\,(2\times 4),$$

$$3\left(\frac{4}{2}\,4\right),\;3\,(\text{root}[4,\,2]\,4),\;3\,((4-2)\,4),\;\frac{3}{\frac{\text{Log}[4,2]}{4}},\;3\,\frac{4}{\frac{2}{4}},\;\frac{3\times 4}{\frac{2}{4}},\;(3\times 4)\,\text{Log}[2,\,4],$$

$$3\,(4\,\text{Log}[2,\,4]),\;(3\times 4)\,\text{mod}[2,\,4],\;3\,(4\,\text{mod}[2,\,4]),\;(\text{mod}[3,\,4]\,4)\,2,\;\text{mod}[3,\,4]\,(4\times 2),$$

$$\frac{3}{\text{Log}\left[4^4,\,2\right]},\;(3\times 4)\,\frac{4}{2},\;3\left(4\times\frac{4}{2}\right),\;3\,\frac{4}{\text{Log}[4,\,2]},\;\frac{3\times 4}{\text{Log}[4,\,2]},\;3\,\frac{4\times 4}{2},\;\frac{(3\times 4)\,4}{2},$$

$$\frac{3\,(4\times 4)}{2},\;(3\times 4)\,\text{root}[4,\,2],\;3\,(4\,\text{root}[4,\,2]),\;(3\times 4)\,(4-2),\;3\,(4\,(4-2)),\;\left(\frac{4}{2}\,3\right)\,4,$$

$$(\text{root}[4,\,2]\,3)\,4,\;((4-2)\,3)\,4,\;\frac{4}{\frac{2}{3}}\,4,\;(4+\text{mod}[2,\,3])\,4,\;\frac{4}{2}\,(3\times 4),\;\text{root}[4,\,2]\,(3\times 4),$$

$$(4-2)\,(3\times 4),\;4\,(2+3)+4,\;4\,(\text{mod}[2,\,3]+4),\;4+(2+3)\,4,\;\frac{4}{\frac{2}{3\times 4}},\;\frac{4}{\frac{\frac{2}{3}}{4}},\;(4\times 2)\,\text{mod}[3,\,4],$$

$$4\,(2\,\text{mod}[3,\,4]),\;\left(\frac{4}{2}\,4\right)\,3,\;(\text{root}[4,\,2]\,4)\,3,\;((4-2)\,4)\,3,\;\frac{4}{\frac{2}{4}}\,3,\;(4\,\text{Log}[2,\,4])\,3,$$

$$(4\,\text{mod}[2,\,4])\,3,\;\frac{4}{2}\,(4\times 3),\;\text{root}[4,\,2]\,(4\times 3),\;(4-2)\,(4\times 3),\;4\,(\text{Log}[2,\,4]\,3),$$

$$4\,(\text{mod}[2,\,4]\,3),\;\frac{4}{\frac{2}{4\times 3}},\;\frac{4}{\frac{\frac{2}{4}}{3}},\;4\,\text{Log}\left[2,\,4^3\right],\;\left(4\times\frac{3}{2}\right)\,4,\;\frac{4\times 3}{2}\,4,\;4\left(\frac{3}{2}\,4\right),\;4\,(3+2)+4,\;4+(3+2)\,4,$$

$$4\,\frac{3}{\frac{2}{4}},\;\frac{4\times 3}{\frac{2}{4}},\;(4\times 3)\,\text{Log}[2,\,4],\;4\,(3\,\text{Log}[2,\,4]),\;(4\times 3)\,\text{mod}[2,\,4],\;4\,(3\,\text{mod}[2,\,4]),$$

$$(4\,\text{mod}[3,\,4])\,2,\;4\,(\text{mod}[3,\,4]\,2),\;4\,\frac{3}{\text{Log}[4,\,2]},\;(4\times 3)\,\frac{4}{2},\;4\left(3\times\frac{4}{2}\right),\;\frac{4\times 3}{\text{Log}[4,\,2]},$$

$$4\,\frac{3\times 4}{2},\;\frac{(4\times 3)\,4}{2},\;\frac{4\,(3\times 4)}{2},\;(4\times 3)\,\text{root}[4,\,2],\;4\,(3\,\text{root}[4,\,2]),\;(4\times 3)\,(4-2),$$

$$4\,(3\,(4-2)),\;\left(4\times\frac{4}{2}\right)\,3,\;\frac{4}{\text{Log}[4,\,2]}\,3,\;\frac{4\times 4}{2}\,3,\;(4\,\text{root}[4,\,2])\,3,\;(4\,(4-2))\,3,\;4\left(\frac{4}{2}\,3\right),$$

$$4\,(\text{root}[4,\,2]\,3),\;4\,((4-2)\,3),\;4+4\,(2+3),\;4\,\frac{4}{\frac{2}{3}},\;\frac{4}{\frac{\text{Log}[4,2]}{3}},\;\frac{4\times 4}{\frac{2}{3}},\;4\,(4+\text{mod}[2,\,3]),$$

$$4\times 4+2^3,\;4+4\,(3+2),\;(4\times 4)\,\frac{3}{2},\;4\left(4\times\frac{3}{2}\right),\;\frac{4}{\text{Log}\left[4^3,\,2\right]},\;4\,\frac{4\times 3}{2},\;\frac{(4\times 4)\,3}{2},\;\frac{4\,(4\times 3)}{2}\Big\}\Big\},$$

$$\Big\{\{2,\,3,\,4,\,5\},\;\Big\{2\,((3+4)+5),\;2\,(3+(4+5)),\;(2\times 3)\,\text{mod}[4,\,5],\;2\,(3\,\text{mod}[4,\,5]),$$
$$(2\,\text{mod}[3,\,5])\,4,\;2\,(\text{mod}[3,\,5]\,4),\;2\,((3+5)+4),\;2\,(3+(5+4)),\;2\,((4+3)+5),\;\left(2^4+3\right)+5,$$
$$2\,(4+(3+5)),\;2^4+(3+5),\;(2\times 4)\,\text{mod}[3,\,5],\;2\,(4\,\text{mod}[3,\,5]),\;(2\,\text{mod}[4,\,5])\,3,$$
$$2\,(\text{mod}[4,\,5]\,3),\;2\,((4+5)+3),\;\left(2^4+5\right)+3,\;2\,(4+(5+3)),\;2^4+(5+3),\;(\text{mod}[2,\,5]\,3)\,4,$$
$$\text{mod}[2,\,5]\,(3\times 4),\;2\,((5+3)+4),\;2\,(5+(3+4)),\;2^5\,\frac{3}{4},\;\frac{2^5\,3}{4},\;(\text{mod}[2,\,5]\,4)\,3,$$

$$\frac{2^5}{4}\ 3,\ \text{mod}[2,\ 5]\ (4\times 3),\ 2\ ((5+4)+3),\ 2\ (5+(4+3)),\ \frac{2^5}{\frac{4}{3}},\ \left(3+2^4\right)+5,\ 3+\left(2^4+5\right),$$

$$(3\times 2)\ \text{mod}[4,\ 5],\ 3\ (2\ \text{mod}[4,\ 5]),\ (\text{mod}[3,\ 2]+5)\ 4,\ ((3-2)+5)\ 4,\ (3\ \text{mod}[2,\ 5])\ 4,$$

$$(3-(2-5))\ 4,\ 3\ (\text{mod}[2,\ 5]\ 4),\ 3\ \frac{2^5}{4},\ \frac{3\times 2^5}{4},\ \left(3+4^2\right)+5,\ 3+\left(4^2+5\right),\ \frac{3}{\frac{4}{2^5}},\ (3\times 4)\ \text{mod}[2,\ 5],$$

$$3\ (4\ \text{mod}[2,\ 5]),\ \frac{3}{4}\ 2^5,\ ((3+4)+5)\ 2,\ (3+(4+5))\ 2,\ (3\ \text{mod}[4,\ 5])\ 2,\ 3\ (\text{mod}[4,\ 5]\ 2),$$

$$(3-4)+5^2,\ 3-\left(4-5^2\right),\ (\text{mod}[3,\ 5]\ 2)\ 4,\ (3+(5-2))\ 4,\ ((3+5)-2)\ 4,\ \text{mod}[3,\ 5]\ (2\times 4),$$

$$(3+5)+2^4,\ 3+\left(5+2^4\right),\ 3+\left(5^2-4\right),\ \left(3+5^2\right)-4,\ (\text{mod}[3,\ 5]\ 4)\ 2,\ ((3+5)+4)\ 2,$$

$$(3+(5+4))\ 2,\ \text{mod}[3,\ 5]\ (4\times 2),\ (3+5)+4^2,\ 3+\left(5+4^2\right),\ \left(4^2+3\right)+5,\ 4^2+(3+5),$$

$$(4\times 2)\ \text{mod}[3,\ 5],\ 4\ (2\ \text{mod}[3,\ 5]),\ (4\ \text{mod}[2,\ 5])\ 3,\ 4\ (\text{mod}[2,\ 5]\ 3),\ \left(4^2+5\right)+3,\ 4^2+(5+3),$$

$$4\ (\text{mod}[3,\ 2]+5),\ 4\ ((3-2)+5),\ (4\times 3)\ \text{mod}[2,\ 5],\ 4\ (3\ \text{mod}[2,\ 5]),\ 4\ (3-(2-5)),$$

$$((4+3)+5)\ 2,\ (4+(3+5))\ 2,\ (4\ \text{mod}[3,\ 5])\ 2,\ 4\ (\text{mod}[3,\ 5]\ 2),\ 4\ (3+(5-2)),$$

$$4\ ((3+5)-2),\ (\text{mod}[4,\ 5]\ 2)\ 3,\ \text{mod}[4,\ 5]\ (2\times 3),\ 4\ ((5-2)+3),\ 4\ (5-(2-3)),$$

$$(\text{mod}[4,\ 5]\ 3)\ 2,\ ((4+5)+3)\ 2,\ (4+(5+3))\ 2,\ \text{mod}[4,\ 5]\ (3\times 2),\ 4\ (5+\text{mod}[3,\ 2]),$$

$$4\ (5+(3-2)),\ 4\ ((5+3)-2),\ ((5-2)+3)\ 4,\ (5-(2-3))\ 4,\ 5^2+(3-4),\ \left(5^2+3\right)-4,$$

$$\left(5+2^4\right)+3,\ \left(5^2-4\right)+3,\ 5+\left(2^4+3\right),\ 5^2-\text{mod}[4,\ 3],\ 5^2-(4-3),\ (5+\text{mod}[3,\ 2])\ 4,$$

$$(5+(3-2))\ 4,\ ((5+3)-2)\ 4,\ (5+3)+2^4,\ 5+\left(3+2^4\right),\ ((5+3)+4)\ 2,\ (5+(3+4))\ 2,$$

$$(5+3)+4^2,\ 5+\left(3+4^2\right),\ \left(5+4^2\right)+3,\ 5+\left(4^2+3\right),\ ((5+4)+3)\ 2,\ (5+(4+3))\ 2\Big\}\Big\},$$

$$\Big\{\{2,\ 3,\ 4,\ 6\},\ \Big\{\left(2^3-4\right)\ 6,\ (2\times 3)\ \text{mod}[4,\ 6],\ 2\ (3\ \text{mod}[4,\ 6]),\ (2\ \text{mod}[3,\ 6])\ 4,\ 2\ (\text{mod}[3,\ 6]\ 4),$$

$$(2+3\times 6)+4,\ 2+(3\times 6+4),\ (2+4)\ 3+6,\ (2+4)+3\times 6,\ 2+(4+3\times 6),\ (2\times 4)\ \text{mod}[3,\ 6],$$

$$2\ (4\ \text{mod}[3,\ 6]),\ (\text{Log}[2,\ 4]+6)\ 3,\ (\text{mod}[2,\ 4]+6)\ 3,\ (2\ \text{mod}[4,\ 6])\ 3,\ 2\ (\text{mod}[4,\ 6]\ 3),$$

$$(2+4)+6\times 3,\ 2+(4+6\times 3),\ (2\times 4)\ (6-3),\ 2\ (4\ (6-3)),\ (\text{mod}[2,\ 6]\ 3)\ 4,\ (2\ (6-3))\ 4,$$

$$\text{mod}[2,\ 6]\ (3\times 4),\ 2\ ((6-3)\ 4),\ (2+6\times 3)+4,\ 2\times 6+3\times 4,\ 2+(6\times 3+4),\ (2+6)\ \text{mod}[3,\ 4],$$

$$(\text{mod}[2,\ 6]\ 4)\ 3,\ (2\times 6-4)\ 3,\ \text{mod}[2,\ 6]\ (4\times 3),\ 2\times 6+4\times 3,\ (\text{mod}[3,\ 2]\ 4)\ 6,\ ((3-2)\ 4)\ 6,$$

$$\text{mod}[3,\ 2]\ (4\times 6),\ (3-2)\ (4\times 6),\ 3\ (2+4)+6,\ 3\ (\text{Log}[2,\ 4]+6),\ 3\ (\text{mod}[2,\ 4]+6),$$

$$(3\times 2)\ \text{mod}[4,\ 6],\ 3\ (2\ \text{mod}[4,\ 6]),\ (\text{mod}[3,\ 2]\ 6)\ 4,\ ((3-2)\ 6)\ 4,\ (3\ \text{mod}[2,\ 6])\ 4,$$

$$\text{mod}[3,\ 2]\ (6\times 4),\ (3-2)\ (6\times 4),\ 3\ (\text{mod}[2,\ 6]\ 4),\ 3\ (2\times 6-4),\ \text{mod}[3,\ 4]\ (2+6),$$

$$3\ (4+2)+6,\ 3\left(\frac{4}{2}+6\right),\ 3\ (\text{root}[4,\ 2]+6),\ 3\ ((4-2)+6),\ 3\times 4+2\times 6,\ \frac{(3\times 4)^2}{6},$$

$$(3\times 4)\ \text{mod}[2,\ 6],\ 3\ (4\ \text{mod}[2,\ 6]),\ 3\ (4-(2-6)),\ (3\ \text{mod}[4,\ 6])\ 2,\ 3\ (\text{mod}[4,\ 6]\ 2),$$

$$\text{mod}[3,\ 4]\ (6+2),\ 3\times 4+6\times 2,\ 3\ (4+(6-2)),\ 3\ ((4+6)-2),\ (\text{mod}[3,\ 6]\ 2)\ 4,\ \left(3+\frac{6}{2}\right)\ 4,$$

$$\text{mod}[3,\ 6]\ (2\times 4),\ (3\times 6+2)+4,\ 3\ ((6-2)+4),\ 3\times 6+(2+4),\ 3\ (6+\text{Log}[2,\ 4]),$$

$$3\ (6+\text{mod}[2,\ 4]),\ 3\ (6-(2-4)),\ 3\ (6\times 2-4),\ (\text{mod}[3,\ 6]\ 4)\ 2,\ \text{mod}[3,\ 6]\ (4\times 2),$$

$$(3\times 6+4)+2,\ 3\times 6+(4+2),\ 3\left(6+\frac{4}{2}\right),\ 3\ (6+\text{root}[4,\ 2]),\ 3\ (6+(4-2)),\ 3\ ((6+4)-2),$$

$$\text{mod}[4,\ 2\times 3]\ 6,\ \text{mod}[4,\ 2+3]\ 6,\ \text{mod}\left[4,\ 2^3\right]\ 6,\ (4+2)\ 3+6,\ (4+2)+3\times 6,\ 4+(2+3\times 6),$$

$$(4\times 2)\ \text{mod}[3,\ 6],\ 4\ (2\ \text{mod}[3,\ 6]),\ \left(\frac{4}{2}+6\right)\ 3,\ (\text{root}[4,\ 2]+6)\ 3,\ ((4-2)+6)\ 3,$$

$$(4\ \text{mod}[2,\ 6])\ 3,\ (4-(2-6))\ 3,\ 4\ (\text{mod}[2,\ 6]\ 3),\ (4+2)+6\times 3,\ 4+(2+6\times 3),\ (4\times 2)\ (6-3),$$

$$4\ (2\ (6-3)),\ \frac{4}{\text{mod}[3,\ 2]}\ 6,\ \frac{4}{3-2}\ 6,\ (4\ \text{mod}[3,\ 2])\ 6,\ \text{mod}[4,\ 3\times 2]\ 6,\ \text{mod}[4,\ 3+2]\ 6,$$

$$\text{mod}\left[4,\ 3^2\right]\ 6,\ 4^{\text{mod}[3,2]}\ 6,\ 4^{3-2}\ 6,\ \text{root}[4,\ \text{mod}[3,\ 2]]\ 6,\ \text{root}[4,\ 3-2]\ 6,\ (4\ (3-2))\ 6,$$

$$4\ (\text{mod}[3,\ 2]\ 6),\ 4\ ((3-2)\ 6),\ 4\times 3+2\times 6,\ \frac{4}{\frac{\text{mod}[3,2]}{6}},\ \frac{4}{\frac{3-2}{6}},\ \frac{(4\times 3)^2}{6},\ (4\times 3)\ \text{mod}[2,\ 6],$$

$$4\ (3\ \text{mod}[2,\ 6]),\ (4\ \text{mod}[3,\ 6])\ 2,\ 4\ (\text{mod}[3,\ 6]\ 2),\ (4+3\times 6)+2,\ 4\times 3+6\times 2,\ 4+(3\times 6+2),$$

$$4\left(3+\frac{6}{2}\right),\ (\text{mod}[4,\ 6]\ 2)\ 3,\ (4+(6-2))\ 3,\ ((4+6)-2)\ 3,\ \text{mod}[4,\ 6]\ (2\times 3),\ 4\left(\frac{6}{2}+3\right),$$

$$\frac{4}{6^{2-3}},\ \frac{4}{\text{root}[6,\ 2-3]},\ 4\ \text{mod}\left[6,\ 2^3\right],\ (\text{mod}[4,\ 6]\ 3)\ 2,\ (4\ (6-3))\ 2,\ \text{mod}[4,\ 6]\ (3\times 2),$$

$$4\ ((6-3)\ 2),\ (4+6\times 3)+2,\ 4+(6\times 3+2),\ 4\ \frac{6}{\text{mod}[3,\ 2]},\ 4\ \frac{6}{3-2},\ \frac{4\times 6}{\text{mod}[3,\ 2]},\ \frac{4\times 6}{3-2},$$

$$(4\times 6)\ \text{mod}[3,\ 2],\ 4\ (6\ \text{mod}[3,\ 2]),\ 4\ \text{mod}\left[6,\ 3^2\right],\ 4\times 6^{\text{mod}[3,2]},\ 4\times 6^{3-2},\ (4\times 6)^{\text{mod}[3,2]},$$

$$(4\times 6)^{3-2},\ 4\ \text{root}[6,\ \text{mod}[3,\ 2]],\ 4\ \text{root}[6,\ 3-2],\ \text{root}[4\times 6,\ \text{mod}[3,\ 2]],\ \text{root}[4\times 6,\ 3-2],$$

$$(4\times 6)\ (3-2),\ 4\ (6\ (3-2)),\ \left(\frac{6}{2}+3\right)\ 4,\ \text{mod}\left[6,\ 2^3\right]\ 4,\ 6\times 2+3\times 4,\ (6+2)\ \text{mod}[3,\ 4],$$

$$6\left(2^3-4\right),\ 6^2-3\times 4,\ ((6-2)+4)\ 3,\ (6+\text{Log}[2,\ 4])\ 3,\ (6+\text{mod}[2,\ 4])\ 3,\ (6-(2-4))\ 3,$$

$$(6\times 2-4)\ 3,\ 6\times 2+4\times 3,\ 6+(2+4)\ 3,\ 6^2-4\times 3,\ ((6-3)\ 2)\ 4,\ \frac{6}{\text{mod}[3,\ 2]}\ 4,\ \frac{6}{3-2}\ 4,$$

$$(6\ \text{mod}[3,\ 2])\ 4,\ \text{mod}\left[6,\ 3^2\right]\ 4,\ 6^{\text{mod}[3,2]}\ 4,\ 6^{3-2}\ 4,\ \text{root}[6,\ \text{mod}[3,\ 2]]\ 4,\ \text{root}[6,\ 3-2]\ 4,$$

$$(6\ (3-2))\ 4,\ (6-3)\ (2\times 4),\ 6\ (\text{mod}[3,\ 2]\ 4),\ 6\ ((3-2)\ 4),\ (6\times 3+2)+4,\ 6\times 3+(2+4),$$

$$6+3\ (2+4),\ \frac{6}{\frac{\text{mod}[3,2]}{4}},\ \frac{6}{\frac{3-2}{4}},\ ((6-3)\ 4)\ 2,\ (6-3)\ (4\times 2),\ (6\times 3+4)+2,\ 6\times 3+(4+2),$$

$$6+3\ (4+2),\ \left(6+\frac{4}{2}\right)\ 3,\ (6+\text{root}[4,\ 2])\ 3,\ (6+(4-2))\ 3,\ ((6+4)-2)\ 3,\ 6+(4+2)\ 3,$$

$$\frac{6}{4^{2-3}},\ \frac{6}{\text{root}[4,\ 2-3]},\ 6\ \text{mod}[4,\ 2\times 3],\ 6\ \text{mod}[4,\ 2+3],\ 6\ \text{mod}\left[4,\ 2^3\right],\ 6\ \frac{4}{\text{mod}[3,\ 2]},\ 6\ \frac{4}{3-2},$$

$$\frac{6\times 4}{\text{mod}[3,\ 2]},\ \frac{6\times 4}{3-2},\ (6\times 4)\ \text{mod}[3,\ 2],\ 6\ (4\ \text{mod}[3,\ 2]),\ 6\ \text{mod}[4,\ 3\times 2],\ 6\ \text{mod}[4,\ 3+2],$$

$$6\ \text{mod}\left[4,\ 3^2\right],\ 6\times 4^{\text{mod}[3,2]},\ 6\times 4^{3-2},\ (6\times 4)^{\text{mod}[3,2]},\ (6\times 4)^{3-2},\ 6\ \text{root}[4,\ \text{mod}[3,\ 2]],$$

$$6\ \text{root}[4,\ 3-2],\ \text{root}[6\times 4,\ \text{mod}[3,\ 2]],\ \text{root}[6\times 4,\ 3-2],\ (6\times 4)\ (3-2),\ 6\ (4\ (3-2))\Big\}\Big\},$$

$$\Big\{\{2,\ 3,\ 4,\ 7\},\ \Big\{(2\times 3)\ \text{mod}[4,\ 7],\ 2\ (3\ \text{mod}[4,\ 7]),\ ((2-3)+7)\ 4,\ (2\ \text{mod}[3,\ 7])\ 4,$$

$$\text{mod}[2\times 3,\ 7]\ 4,\ (2-(3-7))\ 4,\ 2\ (\text{mod}[3,\ 7]\ 4),\ 2\ (3+7)+4,\ 2^3\ \text{mod}[7,\ 4],\ 2^3\ (7-4),$$

$$(2\times 4)\ \text{mod}[3,\ 7],\ 2\ (4\ \text{mod}[3,\ 7]),\ (2\ \text{mod}[4,\ 7])\ 3,\ 2\ (\text{mod}[4,\ 7]\ 3),\ (2+4)\ (7-3),$$

$$(\text{mod}[2,\ 7]\ 3)\ 4,\ (2+(7-3))\ 4,\ ((2+7)-3)\ 4,\ \text{mod}[2,\ 7]\ (3\times 4),\ 2\ (7+3)+4,$$

$$(\text{mod}[2,\ 7]\ 4)\ 3,\ 2^{\text{mod}[7,4]}\ 3,\ 2^{7-4}\ 3,\ \text{mod}[2,\ 7]\ (4\times 3),\ \frac{3}{2^{4-7}},\ (3\times 2)\ \text{mod}[4,\ 7],$$

$$3\ (2\ \text{mod}[4,\ 7]),\ (3\ \text{mod}[2,\ 7])\ 4,\ \text{mod}[3\times 2,\ 7]\ 4,\ 3\ (\text{mod}[2,\ 7]\ 4),\ 3\times 2^{\text{mod}[7,4]},\ 3\times 2^{7-4},$$

$$(3\times 4)\ \text{mod}[2,\ 7],\ 3\ (4\ \text{mod}[2,\ 7]),\ (3\ \text{mod}[4,\ 7])\ 2,\ 3\ (\text{mod}[4,\ 7]\ 2),\ (\text{mod}[3,\ 7]\ 2)\ 4,$$

$$\text{mod}[3,\ 7]\ (2\times 4),\ (3+7)\ 2+4,\ (\text{mod}[3,\ 7]\ 4)\ 2,\ \text{mod}[3,\ 7]\ (4\times 2),\ 4\ ((2-3)+7),$$

$$4+2\ (3+7),\ (4\times 2)\ \text{mod}[3,\ 7],\ 4\ (2\ \text{mod}[3,\ 7]),\ 4\ \text{mod}[2\times 3,\ 7],\ 4\ (2-(3-7)),$$

$$(4\ \text{mod}[2,\ 7])\ 3,\ 4\ (\text{mod}[2,\ 7]\ 3),\ 4+2\ (7+3),\ (4+2)\ (7-3),\ 4\ (2+(7-3)),\ 4\ ((2+7)-3),$$

$$(4\times 3)\ \text{mod}[2,\ 7],\ 4\ (3\ \text{mod}[2,\ 7]),\ 4\ \text{mod}[3\times 2,\ 7],\ (4\ \text{mod}[3,\ 7])\ 2,\ 4\ (\text{mod}[3,\ 7]\ 2),$$

$$4+(3+7)\ 2,\ (\text{mod}[4,\ 7]\ 2)\ 3,\ \text{mod}[4,\ 7]\ (2\times 3),\ 4\ (7+(2-3)),\ 4\ ((7+2)-3),$$

$$(\text{mod}[4,\ 7]\ 3)\ 2,\ \text{mod}[4,\ 7]\ (3\times 2),\ 4\ ((7-3)+2),\ 4+(7+3)\ 2,\ 4\ (7-\text{mod}[3,\ 2]),$$

$$4\ (7-(3-2)),\ (7+(2-3))\ 4,\ ((7+2)-3)\ 4,\ ((7-3)+2)\ 4,\ (7-\text{mod}[3,\ 2])\ 4,$$

$$(7-(3-2))\ 4,\ (7-3)\ (2+4),\ (7+3)\ 2+4,\ (7-3)\ (4+2),\ \text{mod}[7,\ 4]\ 2^3,\ (7-4)\ 2^3\Big\}\Big\},$$

$$\Big\{\{2,\ 3,\ 4,\ 8\},\ \Big\{((2-3)+4)\ 8,\ (2-(3-4))\ 8,\ \text{mod}[2,\ 3]\ (4+8),\ \text{mod}[2,\ 3]^4+8,$$

$$(2\times 3)\ \text{mod}[4,\ 8],\ 2\ (3\ \text{mod}[4,\ 8]),\ 2^3\ 4-8,\ (2\ \text{mod}[3,\ 8])\ 4,\ \text{mod}[2\times 3,\ 8]\ 4,$$

$$2\ (\text{mod}[3,\ 8]\ 4),\ \text{mod}[2,\ 3]\ (8+4),\ (2\times 3)\ (8-4),\ 2\ (3\ (8-4)),\ (2+\text{mod}[4,\ 3])\ 8,$$

$$(2+(4-3))\ 8,\ ((2+4)-3)\ 8,\ (2\times 4)\ \text{mod}[3,\ 8],\ 2\ (4\ \text{mod}[3,\ 8]),\ (2\ \text{mod}[4,\ 8])\ 3,$$

$$\left(2^4-8\right)\ 3,\ 2\ (\text{mod}[4,\ 8]\ 3),\ (\text{mod}[2,\ 8]\ 3)\ 4,\ (\text{Log}[2,\ 8]+3)\ 4,\ \text{mod}[2,\ 8]\ (3\times 4),$$

$$(\text{mod}[2,\ 8]\ 4)\ 3,\ (2\ (8-4))\ 3,\ \text{mod}[2,\ 8]\ (4\times 3),\ 2\ ((8-4)\ 3),\ \text{mod}[3,\ 2\times 4]\ 8,$$

$$\text{mod}[3,\ 2+4]\ 8,\ \text{mod}\left[3,\ 2^4\right]\ 8,\ (3\times 2)\ \text{mod}[4,\ 8],\ 3\ (2\ \text{mod}[4,\ 8]),\ 3\left(2^4-8\right),\ (3+\text{Log}[2,\ 8])\ 4,$$

$$(3 \bmod [2,\ 8])\ 4,\ \bmod[3 \times 2,\ 8]\ 4,\ 3\ (\bmod[2,\ 8]\ 4),\ (3 \times 2)\ (8-4),\ 3\ (2\ (8-4)),$$
$$\bmod[3,\ 4 \times 2]\ 8,\ \bmod[3,\ 4+2]\ 8,\ \bmod\left[3,\ 4^2\right]\ 8,\ (3+\bmod[4,\ 2])\ 8,\ (3-\bmod[4,\ 2])\ 8,$$
$$3\ (\bmod[4,\ 2]+8),\ (3 \times 4) \bmod[2,\ 8],\ 3\ (4 \bmod[2,\ 8]),\ 3\ \left(4^2-8\right),\ (3 \bmod[4,\ 8])\ 2,$$
$$3\ (\bmod[4,\ 8]\ 2),\ 3\ \left(4+\frac{8}{2}\right),\ (\bmod[3,\ 8]\ 2)\ 4,\ \bmod[3,\ 8]\ (2 \times 4),\ 3\ \left(\frac{8}{2}+4\right),\ 3 \bmod\left[8,\ 2^4\right],$$
$$(\bmod[3,\ 8]\ 4)\ 2,\ (3\ (8-4))\ 2,\ \bmod[3,\ 8]\ (4 \times 2),\ 3\ ((8-4)\ 2),\ 3\ (8+\bmod[4,\ 2]),$$
$$3 \times 8+\bmod[4,\ 2],\ 3 \bmod\left[8,\ 4^2\right],\ 3\ (8-\bmod[4,\ 2]),\ 3 \times 8-\bmod[4,\ 2],\ (\bmod[4,\ 2]+3)\ 8,$$
$$(4+(2-3))\ 8,\ ((4+2)-3)\ 8,\ 4^{\bmod[2,3]}+8,\ \bmod[4,\ 2]+3 \times 8,\ (4 \times 2) \bmod[3,\ 8],$$
$$4\ (2 \bmod[3,\ 8]),\ 4 \bmod[2 \times 3,\ 8],\ 4 \times 2^3-8,\ (\bmod[4,\ 2]+8)\ 3,\ (4 \bmod[2,\ 8])\ 3,\ \left(4^2-8\right)\ 3,$$
$$4\ (\bmod[2,\ 8]\ 3),\ 4\ (\text{Log}[2,\ 8]+3),\ \bmod[4,\ 2]+8 \times 3,\ (\bmod[4,\ 3]+2)\ 8,\ ((4-3)+2)\ 8,$$
$$(4-\bmod[3,\ 2])\ 8,\ (4-(3-2))\ 8,\ 4\ (3+\text{Log}[2,\ 8]),\ (4 \times 3) \bmod[2,\ 8],\ 4\ (3 \bmod[2,\ 8]),$$
$$4 \bmod[3 \times 2,\ 8],\ \frac{4^3}{2}-8,\ (4 \bmod[3,\ 8])\ 2,\ 4\ (\bmod[3,\ 8]\ 2),\ (\bmod[4,\ 8]\ 2)\ 3,\ \left(4+\frac{8}{2}\right)\ 3,$$
$$\bmod[4,\ 8]\ (2 \times 3),\ (4+8) \bmod[2,\ 3],\ 4\ (8-\bmod[2,\ 3]),\ 4 \times 8-2^3,\ (\bmod[4,\ 8]\ 3)\ 2,$$
$$\bmod[4,\ 8]\ (3 \times 2),\ (8-\bmod[2,\ 3])\ 4,\ 8\ ((2-3)+4),\ 8+\bmod[2,\ 3]^4,\ 8\ (2-(3-4)),$$
$$\left(\frac{8}{2}+4\right)\ 3,\ \bmod\left[8,\ 2^4\right]\ 3,\ 8\ (2+\bmod[4,\ 3]),\ 8\ (2+(4-3)),\ 8\ ((2+4)-3),\ 8 \bmod[3,\ 2 \times 4],$$
$$8 \bmod[3,\ 2+4],\ 8 \bmod\left[3,\ 2^4\right],\ 8 \bmod[3,\ 4 \times 2],\ 8 \bmod[3,\ 4+2],\ 8 \bmod\left[3,\ 4^2\right],$$
$$8\ (3+\bmod[4,\ 2]),\ 8 \times 3+\bmod[4,\ 2],\ 8\ (3-\bmod[4,\ 2]),\ 8 \times 3-\bmod[4,\ 2],\ ((8-4)\ 2)\ 3,$$
$$(8+\bmod[4,\ 2])\ 3,\ \bmod\left[8,\ 4^2\right]\ 3,\ (8-\bmod[4,\ 2])\ 3,\ (8-4)\ (2 \times 3),\ 8\ (\bmod[4,\ 2]+3),$$
$$(8+4) \bmod[2,\ 3],\ 8+4^{\bmod[2,3]},\ 8\ (4+(2-3)),\ 8 \times 4-2^3,\ 8\ ((4+2)-3),\ ((8-4)\ 3)\ 2,$$
$$(8-4)\ (3 \times 2),\ 8\ (\bmod[4,\ 3]+2),\ 8\ ((4-3)+2),\ 8\ (4-\bmod[3,\ 2]),\ 8\ (4-(3-2))\Big\}\Big\},$$

$$\Big\{\{2,\ 3,\ 4,\ 9\},\ \Big\{\left(\frac{2}{3}\ 4\right)\ 9,\ \frac{2}{\frac{3}{4}}\ 9,\ \frac{2}{3}\ (4 \times 9),\ 2\ (\bmod[3,\ 4]+9),\ \frac{2}{\frac{3}{4 \times 9}},\ \frac{2}{\frac{3}{\frac{4}{9}}},\ (2 \times 3) \bmod[4,\ 9],$$

$$2\ (3 \bmod[4,\ 9]),\ \left(\frac{2}{3}\ 9\right)\ 4,\ \frac{2}{\frac{3}{9}}\ 4,\ (2 \bmod[3,\ 9])\ 4,\ \bmod[2 \times 3,\ 9]\ 4,\ \frac{2}{3}\ (9 \times 4),\ 2\ (\bmod[3,\ 9]\ 4),$$

$$\frac{2}{\frac{3}{9 \times 4}},\ \frac{2}{\frac{\frac{3}{9}}{4}},\ \left(2 \times \frac{4}{3}\right)\ 9,\ \frac{2 \times 4}{3}\ 9,\ 2\ \left(\frac{4}{3}\ 9\right),\ \text{Log}[2,\ 4]\ (3+9),\ \text{mod}[2,\ 4]\ (3+9),\ 2\ \frac{4}{\frac{3}{9}},$$

$$\frac{2 \times 4}{\frac{3}{9}},\ \frac{(2+4)^3}{9},\ \text{Log}\left[2,\ 4^{3+9}\right],\ (2 \times 4) \bmod[3,\ 9],\ 2\ (4 \bmod[3,\ 9]),\ (2 \bmod[4,\ 9])\ 3,$$

$$\bmod[2 \times 4,\ 9]\ 3,\ 2\ (\bmod[4,\ 9]\ 3),\ \text{Log}[2,\ 4]\ (9+3),\ \text{mod}[2,\ 4]\ (9+3),\ (2 \times 4)\ \frac{9}{3},$$

$$2\ \left(4 \times \frac{9}{3}\right),\ 2\ \frac{4 \times 9}{3},\ \frac{(2 \times 4)\ 9}{3},\ \frac{2\ (4 \times 9)}{3},\ \text{Log}\left[2,\ 4^{9+3}\right],\ (\bmod[2,\ 9]\ 3)\ 4,\ \left(2 \times \frac{9}{3}\right)\ 4,$$

$$\frac{2 \times 9}{3}\ 4,\ \bmod[2,\ 9]\ (3 \times 4),\ 2\ \left(\frac{9}{3}\ 4\right),\ 2\ \frac{9}{\frac{3}{4}},\ \frac{2 \times 9}{\frac{3}{4}},\ 2\ (9+\bmod[3,\ 4]),\ (\bmod[2,\ 9]\ 4)\ 3,$$

$$\bmod[2,\ 9]\ (4 \times 3),\ (2 \times 9)\ \frac{4}{3},\ 2\ \left(9 \times \frac{4}{3}\right),\ 2\ \frac{9 \times 4}{3},\ \frac{(2 \times 9)\ 4}{3},\ \frac{2\ (9 \times 4)}{3},\ (3 \times 2) \bmod[4,\ 9],$$
$$3\ (2 \bmod[4,\ 9]),\ 3 \bmod[2 \times 4,\ 9],\ (3 \bmod[2,\ 9])\ 4,\ \bmod[3 \times 2,\ 9]\ 4,\ 3\ (\bmod[2,\ 9]\ 4),$$
$$(3 \times 4) \bmod[2,\ 9],\ 3\ (4 \bmod[2,\ 9]),\ 3 \bmod[4 \times 2,\ 9],\ (\bmod[3,\ 4]+9)\ 2,\ (3 \bmod[4,\ 9])\ 2,$$
$$3\ (\bmod[4,\ 9]\ 2),\ (\bmod[3,\ 9]\ 2)\ 4,\ \frac{3+9}{2}\ 4,\ (3+\text{root}[9,\ 2])\ 4,\ \bmod[3,\ 9]\ (2 \times 4),\ \frac{3+9}{\frac{2}{4}},$$

$$(3+9)\,\text{Log}[2,4],\ (3+9)\,\text{mod}[2,4],\ (\text{mod}[3,9]\,4)\,2,\ \text{mod}[3,9]\,(4\times 2),\ (3+9)\,\frac{4}{2},$$

$$\frac{(3+9)\,4}{2},\ \frac{3+9}{\text{Log}[4,2]},\ (3+9)\,\text{root}[4,2],\ (3+9)\,(4-2),\ \left(4\times\frac{2}{3}\right)9,\ \frac{4\times 2}{3}\,9,\ 4\left(\frac{2}{3}\,9\right),$$

$$\frac{4}{2}\,(3+9),\ \text{root}[4,2]\,(3+9),\ (4-2)\,(3+9),\ 4\,\frac{2}{\frac{3}{9}},\ \frac{4}{\frac{2}{3+9}},\ \frac{4\times 2}{\frac{3}{9}},\ \frac{(4+2)^3}{9},\ (4\times 2)\,\text{mod}[3,9],$$

$$4\,(2\,\text{mod}[3,9]),\ 4\,\text{mod}[2\times 3,9],\ (4\,\text{mod}[2,9])\,3,\ \text{mod}[4\times 2,9]\,3,\ 4\,(\text{mod}[2,9]\,3),$$

$$\frac{4}{2}\,(9+3),\ \text{root}[4,2]\,(9+3),\ (4-2)\,(9+3),\ \frac{4}{\frac{2}{9+3}},\ (4\times 2)\,\frac{9}{3},\ 4\left(2\times\frac{9}{3}\right),\ 4\,\frac{2\times 9}{3},\ \frac{(4\times 2)\,9}{3},$$

$$\frac{4\,(2\times 9)}{3},\ \left(\frac{4}{3}\,2\right)9,\ \frac{4}{\frac{3}{2}}\,9,\ \frac{4}{3}\,(2\times 9),\ \frac{4}{\frac{3}{2\times 9}},\ \frac{4}{\frac{3}{\frac{2}{9}}},\ (4\times 3)\,\text{mod}[2,9],\ 4\,(3\,\text{mod}[2,9]),$$

$$4\,\text{mod}[3\times 2,9],\ \left(\frac{4}{3}\,9\right)2,\ \frac{4}{\frac{3}{9}}\,2,\ (4\,\text{mod}[3,9])\,2,\ \frac{4}{3}\,(9\times 2),\ 4\,(\text{mod}[3,9]\,2),\ \frac{4}{\frac{3}{9\times 2}},\ \frac{4}{\frac{3}{\frac{9}{2}}},$$

$$4\,\frac{3+9}{2},\ \frac{4\,(3+9)}{2},\ 4\,(3+\text{root}[9,2]),\ \text{root}\left[4^3\,9,2\right],\ (\text{mod}[4,9]\,2)\,3,\ \text{mod}[4,9]\,(2\times 3),$$

$$4\,(\text{root}[9,2]+3),\ (4\times 9)\,\frac{2}{3},\ 4\left(9\times\frac{2}{3}\right),\ 4\,\frac{9\times 2}{3},\ \frac{(4\times 9)\,2}{3},\ \frac{4\,(9\times 2)}{3},\ (\text{mod}[4,9]\,3)\,2,$$

$$\left(4\times\frac{9}{3}\right)2,\ \frac{4\times 9}{3}\,2,\ \text{mod}[4,9]\,(3\times 2),\ 4\left(\frac{9}{3}\,2\right),\ 4\,\frac{9}{\frac{3}{2}},\ \frac{4\times 9}{\frac{3}{2}},\ 4\,\frac{9+3}{2},\ \frac{4\,(9+3)}{2},$$

$$(\text{root}[9,2]+3)\,4,\ \left(9\times\frac{2}{3}\right)4,\ \frac{9\times 2}{3}\,4,\ 9\left(\frac{2}{3}\,4\right),\ 9\,\frac{2}{\frac{3}{4}},\ \frac{9\times 2}{\frac{3}{4}},\ (9\times 2)\,\frac{4}{3},\ 9\left(2\times\frac{4}{3}\right),\ 9\,\frac{2\times 4}{3},$$

$$\frac{(9\times 2)\,4}{3},\ \frac{9\,(2\times 4)}{3},\ \left(\frac{9}{3}\,2\right)4,\ \frac{9}{\frac{3}{2}}\,4,\ \frac{9+3}{2}\,4,\ \frac{9}{3}\,(2\times 4),\ \frac{9}{\frac{3}{2\times 4}},\ \frac{9}{\frac{3}{\frac{2}{4}}},\ \frac{9+3}{\frac{2}{4}},\ (9+3)\,\text{Log}[2,4],$$

$$(9+3)\,\text{mod}[2,4],\ \left(\frac{9}{3}\,4\right)2,\ \frac{9}{\frac{3}{4}}\,2,\ (9+\text{mod}[3,4])\,2,\ \frac{9}{3}\,(4\times 2),\ (9+3)\,\frac{4}{2},\ \frac{9}{\frac{3}{4\times 2}},\ \frac{9}{\frac{\frac{3}{4}}{2}},$$

$$\frac{(9+3)\,4}{2},\ \frac{9+3}{\text{Log}[4,2]},\ (9+3)\,\text{root}[4,2],\ (9+3)\,(4-2),\ (9\times 4)\,\frac{2}{3},\ 9\left(4\times\frac{2}{3}\right),\ 9\,\frac{4\times 2}{3},$$

$$\frac{(9\times 4)\,2}{3},\ \frac{9\,(4\times 2)}{3},\ \left(9\times\frac{4}{3}\right)2,\ \frac{9\times 4}{3}\,2,\ 9\left(\frac{4}{3}\,2\right),\ 9\,\frac{4}{\frac{3}{2}},\ \frac{9\times 4}{\frac{3}{2}},\ \text{root}\left[9\times 4^3,2\right]\Big\}\Big\},$$

$$\Big\{\{2,3,4,10\},\ \Big\{2\,(3+4)+10,\ (2+3\times 4)+10,\ 2+(3\times 4+10),\ (2\times 3)\,\text{mod}[4,10],$$

$$2\,(3\,\text{mod}[4,10]),\ (2\,\text{mod}[3,10])\,4,\ \text{mod}[2\times 3,10]\,4,\ 2\,(\text{mod}[3,10]\,4),\ \text{mod}[2,3]\,10+4,$$

$$2\,(4+3)+10,\ (2+4\times 3)+10,\ 2+(4\times 3+10),\ (2\times 4)\,\text{mod}[3,10],\ 2\,(4\,\text{mod}[3,10]),$$

$$((2-4)+10)\,3,\ (2\,\text{mod}[4,10])\,3,\ \text{mod}[2\times 4,10]\,3,\ (2-(4-10))\,3,\ 2\,(\text{mod}[4,10]\,3),$$

$$(\text{mod}[2,10]\,3)\,4,\ \text{mod}[2,10]\,(3\times 4),\ (2+10)+3\times 4,\ 2+(10+3\times 4),\ (\text{mod}[2,10]\,4)\,3,$$

$$(2+(10-4))\,3,\ ((2+10)-4)\,3,\ \text{mod}[2,10]\,(4\times 3),\ (2+10)+4\times 3,\ 2+(10+4\times 3),$$

$$3\,((2-4)+10),\ (3\times 2)\,\text{mod}[4,10],\ 3\,(2\,\text{mod}[4,10]),\ 3\,\text{mod}[2\times 4,10],\ 3\,(2-(4-10)),$$

$$(3\,\text{mod}[2,10])\,4,\ \text{mod}[3\times 2,10]\,4,\ 3\,(\text{mod}[2,10]\,4),\ 3\,(2+(10-4)),\ 3\,((2+10)-4),$$

$$(3+4)\,2+10,\ (3\times 4+2)+10,\ 3\times 4+(2+10),\ (3\times 4)\,\text{mod}[2,10],\ 3\,(4\,\text{mod}[2,10]),$$

$$3\,\text{mod}[4\times 2,10],\ (3\,\text{mod}[4,10])\,2,\ 3\,(\text{mod}[4,10]\,2),\ (3\times 4+10)+2,\ 3\times 4+(10+2),$$

$$\text{mod}[3,4]\,(10-2),\ (\text{mod}[3,10]\,2)\,4,\ \text{mod}[3,10]\,(2\times 4),\ 3\,(10+(2-4)),\ 3\,(10-\text{Log}[2,4]),$$

$$3\,(10-\text{mod}[2,4]),\ 3\times 10-(2+4),\ 3\,((10+2)-4),\ (3\times 10-2)-4,\ (\text{mod}[3,10]\,4)\,2,$$

$$\mathrm{mod}[3,\,10]\,(4\times 2),\ 3\,((10-4)+2),\ 3\left(10-\frac{4}{2}\right),\ 3\,(10-\mathrm{root}[4,\,2]),\ 3\,(10-(4-2)),$$

$$3\times 10-(4+2),\ (3\times 10-4)-2,\ 4+\mathrm{mod}[2,\,3]\,10,\ (4\times 2)\,\mathrm{mod}[3,\,10],\ 4\,(2\,\mathrm{mod}[3,\,10]),$$

$$4\,\mathrm{mod}[2\times 3,\,10],\ (4\,\mathrm{mod}[2,\,10])\,3,\ \mathrm{mod}[4\times 2,\,10]\,3,\ 4\,(\mathrm{mod}[2,\,10]\,3),\ (4+3)\,2+10,$$

$$(4\times 3+2)+10,\ 4\times 3+(2+10),\ (4\times 3)\,\mathrm{mod}[2,\,10],\ 4\,(3\,\mathrm{mod}[2,\,10]),\ 4\,\mathrm{mod}[3\times 2,\,10],$$

$$(4\,\mathrm{mod}[3,\,10])\,2,\ 4\,(\mathrm{mod}[3,\,10]\,2),\ (4\times 3+10)+2,\ 4\times 3+(10+2),\ (\mathrm{mod}[4,\,10]\,2)\,3,$$

$$\mathrm{mod}[4,\,10]\,(2\times 3),\ 4+10\,\mathrm{mod}[2,\,3],\ (\mathrm{mod}[4,\,10]\,3)\,2,\ \mathrm{mod}[4,\,10]\,(3\times 2),$$

$$10\,\mathrm{mod}[2,\,3]+4,\ (10+2)+3\times 4,\ 10+2\,(3+4),\ 10+(2+3\times 4),\ (10-2)\,\mathrm{mod}[3,\,4],$$

$$(10+(2-4))\,3,\ (10-\mathrm{Log}[2,\,4])\,3,\ (10-\mathrm{mod}[2,\,4])\,3,\ ((10+2)-4)\,3,\ (10+2)+4\times 3,$$

$$10+2\,(4+3),\ 10+(2+4\times 3),\ 10\times 3-(2+4),\ (10\times 3-2)-4,\ (10+3\times 4)+2,$$

$$10+(3+4)\,2,\ 10+(3\times 4+2),\ 10\times 3-(4+2),\ (10\times 3-4)-2,\ ((10-4)+2)\,3,\ \left(10-\frac{4}{2}\right)3,$$

$$(10-\mathrm{root}[4,\,2])\,3,\ (10-(4-2))\,3,\ (10+4\times 3)+2,\ 10+(4+3)\,2,\ 10+(4\times 3+2)\Big\}\Big\},$$

$$\Big\{\{2,\,3,\,5,\,5\},\ \Big\{(2-3)+5\times 5,\ 2-(3-5\times 5),\ 2^5-(3+5),\ \left(2^5-3\right)-5,\ 2+(5\times 5-3),$$

$$(2+5\times 5)-3,\ 2^5-(5+3),\ \left(2^5-5\right)-3,\ 3\,((5-2)+5),\ 3\,(5-(2-5)),$$

$$(3+5)\,(5-2),\ 3\,(5+(5-2)),\ 3\,((5+5)-2),\ (5-2)\,(3+5),\ ((5-2)+5)\,3,$$

$$(5-(2-5))\,3,\ (5-2)\,(5+3),\ (5+3)\,(5-2),\ (5+(5-2))\,3,\ ((5+5)-2)\,3,$$

$$5\times 5+(2-3),\ (5\times 5+2)-3,\ (5\times 5-3)+2,\ 5\times 5-\mathrm{mod}[3,\,2],\ 5\times 5-(3-2)\Big\}\Big\},$$

$$\Big\{\{2,\,3,\,5,\,6\},\ \Big\{((2-3)+5)\,6,\ (2-(3-5))\,6,\ (2\times 3)\,5-6,\ 2\,(3\times 5)-6,\ (2\,\mathrm{mod}[5,\,3])\,6,$$

$$(2+\mathrm{mod}[5,\,3])\,6,\ 2^{\mathrm{mod}[5,3]}\,6,\ 2^{5-3}\,6,\ (2\,(5-3))\,6,\ (2+(5-3))\,6,\ ((2+5)-3)\,6,$$

$$2\,(\mathrm{mod}[5,\,3]\,6),\ 2\,((5-3)\,6),\ (2\times 5)\,3-6,\ 2\,(5\times 3)-6,\ (\mathrm{mod}[2,\,5]+6)\,3,\ (2+6)\,\mathrm{mod}[3,\,5],$$

$$(2\times 6)\,\mathrm{mod}[5,\,3],\ 2\,(6\,\mathrm{mod}[5,\,3]),\ (2\times 6)\,(5-3),\ 2\,(6\,(5-3)),\ \mathrm{mod}\left[3^2,\,5\right]6,$$

$$\left(3^2-5\right)6,\ 3\,(\mathrm{mod}[2,\,5]+6),\ (3\times 2)\,5-6,\ 3\,(2\times 5)-6,\ \frac{3+5}{2}\,6,\ (3+\mathrm{mod}[5,\,2])\,6,$$

$$\mathrm{mod}[3,\,5]\,(2+6),\ \frac{3+5}{\frac{2}{6}},\ (3\times 5)\,2-6,\ 3\,(5\times 2)-6,\ \mathrm{mod}[3,\,5]\,(6+2),\ (3+5)\,\frac{6}{2},$$

$$3\left(5+\frac{6}{2}\right),\ \frac{(3+5)\,6}{2},\ 3\left(\frac{6}{2}+5\right),\ 3\,(6+\mathrm{mod}[2,\,5]),\ (\mathrm{mod}[5,\,2]+3)\,6,\ (5+(2-3))\,6,$$

$$((5+2)-3)\,6,\ (5\times 2)\,3-6,\ 5\,(2\times 3)-6,\ (\mathrm{mod}[5,\,3]\,2)\,6,\ ((5-3)\,2)\,6,\ (\mathrm{mod}[5,\,3]+2)\,6,$$

$$((5-3)+2)\,6,\ \frac{5+3}{2}\,6,\ \mathrm{mod}[5,\,3]^2\,6,\ (5-3)^2\,6,\ (5-\mathrm{mod}[3,\,2])\,6,\ (5-(3-2))\,6,$$

$$\mathrm{mod}[5,\,3]\,(2\times 6),\ (5-3)\,(2\times 6),\ \frac{5+3}{\frac{2}{6}},\ (5\times 3)\,2-6,\ 5\,(3\times 2)-6,\ (\mathrm{mod}[5,\,3]\,6)\,2,$$

$$((5-3)\,6)\,2,\ \mathrm{mod}[5,\,3]\,(6\times 2),\ (5-3)\,(6\times 2),\ (5+3)\,\frac{6}{2},\ \frac{(5+3)\,6}{2},\ \left(5+\frac{6}{2}\right)3,\ 5\times 6-2\times 3,$$

$$5\times 6-3\times 2,\ \frac{6}{2}\,(3+5),\ 6\,((2-3)+5),\ \frac{6}{\frac{2}{3+5}},\ \frac{6}{2^{3-5}},\ (6+2)\,\mathrm{mod}[3,\,5],\ 6\,(2-(3-5)),$$

$$\left(\frac{6}{2}+5\right)3,\ (6+\mathrm{mod}[2,\,5])\,3,\ \frac{6}{2}\,(5+3),\ \frac{6}{\frac{2}{5+3}},\ (6\times 2)\,\mathrm{mod}[5,\,3],\ 6\,(2\,\mathrm{mod}[5,\,3]),$$

$$6\,(2+\mathrm{mod}[5,\,3]),\ 6\times 2^{\mathrm{mod}[5,3]},\ 6\times 2^{5-3},\ (6\times 2)\,(5-3),\ 6\,(2\,(5-3)),\ 6\,(2+(5-3)),$$

$$6\,((2+5)-3),\ 6\,\mathrm{mod}\left[3^2,\,5\right],\ 6\left(3^2-5\right),\ 6\,\frac{3+5}{2},\ \frac{6\,(3+5)}{2},\ 6\,(3+\mathrm{mod}[5,\,2]),$$

$$6\,(\mathrm{mod}[5,\,2]+3),\ 6\,(5+(2-3)),\ 6\times 5-2\times 3,\ 6\,((5+2)-3),\ (6\,\mathrm{mod}[5,\,3])\,2,$$

$$(6\,(5-3))\,2,\ 6\,(\mathrm{mod}[5,\,3]\,2),\ 6\,((5-3)\,2),\ 6\,(\mathrm{mod}[5,\,3]+2),\ 6\,((5-3)+2),\ 6\,\frac{5+3}{2},$$

$$\frac{6\,(5+3)}{2},\ 6\,\mathrm{mod}[5,\,3]^2,\ 6\,(5-3)^2,\ 6\,(5-\mathrm{mod}[3,\,2]),\ 6\,(5-(3-2)),\ 6\times 5-3\times 2\Big\}\Big\},$$

$$\{\{2, 3, 5, 7\}, \{\text{mod}[2, 3]\ (5 + 7),\ (2 + 3 \times 5) + 7,\ 2 + (3 \times 5 + 7),\ \text{mod}[2, 3]\ (7 + 5),\ (2 + 5 \times 3) + 7,\ 2 + (5 \times 3 + 7),\ (2 + 7) + 3 \times 5,\ 2 + (7 + 3 \times 5),\ (2 + 7) + 5 \times 3,\ 2 + (7 + 5 \times 3),\ 3 - (2 - 5)\ 7,\ (3 \times 5 + 2) + 7,\ 3\ (\text{mod}[5, 2] + 7),\ 3 + (5 - 2)\ 7,\ 3 \times 5 + (2 + 7),\ (3 \times 5 + 7) + 2,\ 3 \times 5 + (7 + 2),\ (3 \times 7 - 2) + 5,\ 3 - 7\ (2 - 5),\ 3 \times 7 - (2 - 5),\ 3\ (7 + \text{mod}[5, 2]),\ 3 \times 7 + (5 - 2),\ 3 + 7\ (5 - 2),\ (3 \times 7 + 5) - 2,\ (5 - 2) + 3 \times 7,\ 5 - (2 - 3 \times 7),\ (\text{mod}[5, 2] + 7)\ 3,\ (5 - 2)\ 7 + 3,\ (5 - 2) + 7 \times 3,\ 5 - (2 - 7 \times 3),\ 5^2 - \text{mod}[7, 3],\ (5 \times 3 + 2) + 7,\ 5 \times 3 + (2 + 7),\ (5 \times 3 + 7) + 2,\ 5 \times 3 + (7 + 2),\ 5 + (3 \times 7 - 2),\ (5 + 3 \times 7) - 2,\ (5 + 7)\ \text{mod}[2, 3],\ 5 + (7 \times 3 - 2),\ (5 + 7 \times 3) - 2,\ (7 + 2) + 3 \times 5,\ 7 + (2 + 3 \times 5),\ (7 + 2) + 5 \times 3,\ 7 + (2 + 5 \times 3),\ (7 \times 3 - 2) + 5,\ 7 \times 3 - (2 - 5),\ (7 + 3 \times 5) + 2,\ 7 + (3 \times 5 + 2),\ 7 \times 3 + (5 - 2),\ (7 \times 3 + 5) - 2,\ (7 + \text{mod}[5, 2])\ 3,\ 7\ (5 - 2) + 3,\ (7 + 5)\ \text{mod}[2, 3],\ (7 + 5 \times 3) + 2,\ 7 + (5 \times 3 + 2)\}\},$$

$$\{\{2, 3, 5, 8\}, \{\text{Log}[2, 3 + 5]\ 8,\ \text{mod}\left[2^3, 5\right]\ 8,\ \left(2^3 - 5\right)\ 8,\ 2\ (3 + 5) + 8,\ \text{Log}\left[2, (3 + 5)^8\right],\ \text{mod}[2, 3]^5 - 8,\ 2^3\ \text{mod}[8, 5],\ 2^3\ (8 - 5),\ \text{Log}[2, 5 + 3]\ 8,\ 2\ (5 + 3) + 8,\ \text{Log}\left[2, (5 + 3)^8\right],\ \text{Log}[2, 8]\ (3 + 5),\ (2 \times 8 + 3) + 5,\ 2 \times 8 + (3 + 5),\ \text{Log}\left[2, 8^{3+5}\right],\ (\text{Log}[2, 8] + 5)\ 3,\ 2^{\text{mod}[8,5]}\ 3,\ 2^{8-5}\ 3,\ \text{Log}[2, 8]\ (5 + 3),\ (2 \times 8 + 5) + 3,\ 2 \times 8 + (5 + 3),\ \text{Log}\left[2, 8^{5+3}\right],\ \text{mod}[3, 2 \times 5]\ 8,\ \text{mod}[3, 2 + 5]\ 8,\ \frac{3}{2^{5-8}},\ (3 + 2 \times 8) + 5,\ 3\ (\text{Log}[2, 8] + 5),\ 3 + (2 \times 8 + 5),\ 3 \times 2^{\text{mod}[8,5]},\ 3 \times 2^{8-5},\ \frac{3}{\text{mod}[5, 2]}\ 8,\ \text{mod}[3, 5 \times 2]\ 8,\ \text{mod}[3, 5 + 2]\ 8,\ (3\ \text{mod}[5, 2])\ 8,\ 3^{\text{mod}[5,2]}\ 8,\ \text{root}[3, \text{mod}[5, 2]]\ 8,\ 3\ (\text{mod}[5, 2]\ 8),\ (3 + 5)\ 2 + 8,\ (3 + 5) + 2 \times 8,\ 3 + (5 + 2 \times 8),\ \frac{3}{\frac{\text{mod}[5,2]}{8}},\ (3 + 5)\ \text{Log}[2, 8],\ 3\ (5 + \text{Log}[2, 8]),\ (3 + 5) + 8 \times 2,\ 3 + (5 + 8 \times 2),\ \frac{3 + 5}{\text{Log}[8, 2]},\ (3 + 8 \times 2) + 5,\ 3 + (8 \times 2 + 5),\ 3\ \text{mod}[8, 2 \times 5],\ 3\ \frac{8}{\text{mod}[5, 2]},\ \frac{3 \times 8}{\text{mod}[5, 2]},\ (3 \times 8)\ \text{mod}[5, 2],\ 3\ (8\ \text{mod}[5, 2]),\ 3\ \text{mod}[8, 5 \times 2],\ 3 \times 8^{\text{mod}[5,2]},\ (3 \times 8)^{\text{mod}[5,2]},\ 3\ \text{root}[8, \text{mod}[5, 2]],\ \text{root}[3 \times 8, \text{mod}[5, 2]],\ (\text{mod}[5, 2]\ 3)\ 8,\ (5 - \text{mod}[2, 3])\ 8,\ \text{mod}[5, 2]\ (3 \times 8),\ (\text{mod}[5, 2]\ 8)\ 3,\ (5 + \text{Log}[2, 8])\ 3,\ \text{mod}[5, 2]\ (8 \times 3),\ (5 + 2 \times 8) + 3,\ 5 + (2 \times 8 + 3),\ (5 + 3)\ 2 + 8,\ (5 + 3) + 2 \times 8,\ 5 + (3 + 2 \times 8),\ (5 + 3)\ \text{Log}[2, 8],\ (5 + 3) + 8 \times 2,\ 5 + (3 + 8 \times 2),\ \frac{5 + 3}{\text{Log}[8, 2]},\ (5 + 8 \times 2) + 3,\ 5 + (8 \times 2 + 3),\ (8 \times 2 + 3) + 5,\ 8 \times 2 + (3 + 5),\ 8 + 2\ (3 + 5),\ 8\ \text{Log}[2, 3 + 5],\ 8\ \text{mod}\left[2^3, 5\right],\ 8\ \left(2^3 - 5\right),\ \text{mod}[8, 2 \times 5]\ 3,\ (8 \times 2 + 5) + 3,\ 8 \times 2 + (5 + 3),\ 8 + 2\ (5 + 3),\ \frac{8}{2 - \frac{5}{3}},\ 8\ \text{Log}[2, 5 + 3],\ 8\ \text{mod}[3, 2 \times 5],\ 8\ \text{mod}[3, 2 + 5],\ 8 + (3 + 5)\ 2,\ 8\ \frac{3}{\text{mod}[5, 2]},\ \frac{8}{\text{Log}[3 + 5, 2]},\ \frac{8 \times 3}{\text{mod}[5, 2]},\ 8\ \text{mod}[3, 5 \times 2],\ 8\ \text{mod}[3, 5 + 2],\ (8 \times 3)\ \text{mod}[5, 2],\ 8\ (3\ \text{mod}[5, 2]),\ 8 \times 3^{\text{mod}[5,2]},\ (8 \times 3)^{\text{mod}[5,2]},\ 8\ \text{root}[3, \text{mod}[5, 2]],\ \text{root}[8 \times 3, \text{mod}[5, 2]],\ \frac{8}{\text{mod}[5, 2]}\ 3,\ (8\ \text{mod}[5, 2])\ 3,\ \text{mod}[8, 5 \times 2]\ 3,\ 8^{\text{mod}[5,2]}\ 3,\ \text{root}[8, \text{mod}[5, 2]]\ 3,\ 8\ (\text{mod}[5, 2]\ 3),\ \frac{8}{\frac{\text{mod}[5,2]}{3}},\ \text{mod}[8, 5]\ 2^3,\ (8 - 5)\ 2^3,\ 8\ (5 - \text{mod}[2, 3]),\ 8 + (5 + 3)\ 2,\ \frac{8}{\text{Log}[5 + 3, 2]}\}\},$$

$$\{\{2, 3, 5, 9\}, \{2\ (\text{mod}[3, 5] + 9),\ (2 \times 3)\ \text{mod}[9, 5],\ 2\ (3\ \text{mod}[9, 5]),\ (2 \times 3)\ (9 - 5),\ 2\ (3\ (9 - 5)),\ 2 + (3 \times 9 - 5),\ (2 + 3 \times 9) - 5,\ \text{mod}[2, 5]\ (3 + 9),\ (2 - 5) + 3 \times 9,\ 2 - (5 - 3 \times 9),\ \text{mod}[2, 5]\ (9 + 3),\ (2 - 5) + 9 \times 3,\ 2 - (5 - 9 \times 3),\ 2\ (9 + \text{mod}[3, 5]),\ 2 + (9 \times 3 - 5),\ (2 + 9 \times 3) - 5,\ (2\ \text{mod}[9, 5])\ 3,\ (2\ (9 - 5))\ 3,\ 2\ (\text{mod}[9, 5]\ 3),\ 2\ ((9 - 5)\ 3),\ (3 \times 2)\ \text{mod}[9, 5],\ 3\ (2\ \text{mod}[9, 5]),\ (3 \times 2)\ (9 - 5),\ 3\ (2\ (9 - 5)),\ (\text{mod}[3, 5] + 9)\ 2,\ \frac{3 + 5 \times 9}{2},\ (3 + 5)\ \text{root}[9, 2],\ 3\ (5 + \text{root}[9, 2]),\ 3\ (\text{root}[9, 2] + 5),\ (3 + 9)\ \text{mod}[2, 5],\ 3 \times 9 + (2 - 5),\ (3 \times 9 + 2) - 5,$$

$$(3\bmod[9,5])\,2,\ (3\,(9-5))\,2,\ 3\,(\bmod[9,5]\,2),\ 3\,((9-5)\,2),\ (3\times 9-5)+2,\ \frac{3+9\times 5}{2},$$
$$3\,(9-\bmod[5,2]),\ 3\times 9-(5-2),\ (5-2)\,9-3,\ (5+3)\,\mathrm{root}[9,2],\ (5+\mathrm{root}[9,2])\,3,$$
$$\frac{5\times 9+3}{2},\ \mathrm{root}[9,2]\,(3+5),\ (\mathrm{root}[9,2]+5)\,3,\ \mathrm{root}[9,2]\,(5+3),\ (9+3)\bmod[2,5],$$
$$9\times 3+(2-5),\ (9\times 3+2)-5,\ (9+\bmod[3,5])\,2,\ (9\times 3-5)+2,\ 9\times 3-(5-2),$$
$$(\bmod[9,5]\,2)\,3,\ ((9-5)\,2)\,3,\ (9-\bmod[5,2])\,3,\ \bmod[9,5]\,(2\times 3),\ (9-5)\,(2\times 3),$$
$$9\,(5-2)-3,\ (\bmod[9,5]\,3)\,2,\ ((9-5)\,3)\,2,\ \bmod[9,5]\,(3\times 2),\ (9-5)\,(3\times 2),\ \frac{9\times 5+3}{2}\Big\}\Big\},$$

$$\Big\{\{2,3,5,10\},\ \Big\{2\,(\bmod[5,3]+10),\ 2\,((5-3)+10),\ 2\,(5-(3-10)),\ 2\,(5+(10-3)),$$
$$2\,((5+10)-3),\ 2\,((10-3)+5),\ 2\,(10-(3-5)),\ (2+10)\bmod[5,3],\ 2\,(10+\bmod[5,3]),$$
$$(2+10)\,(5-3),\ 2\,(10+(5-3)),\ 2\,((10+5)-3),\ \left(3^2+5\right)+10,\ 3^2+(5+10),\ \left(3^2+10\right)+5,$$
$$3^2+(10+5),\ \bmod[3,5]\,(10-2),\ 3\,(10-\bmod[2,5]),\ 5^2-\bmod[10,3],\ \bmod[5,3]\,(2+10),$$
$$(5-3)\,(2+10),\ \left(5+3^2\right)+10,\ 5+\left(3^2+10\right),\ (\bmod[5,3]+10)\,2,\ ((5-3)+10)\,2,$$
$$(5-(3-10))\,2,\ \bmod[5,3]\,(10+2),\ (5-3)\,(10+2),\ (5+(10-3))\,2,\ ((5+10)-3)\,2,$$
$$(5+10)+3^2,\ 5+\left(10+3^2\right),\ (10-2)\bmod[3,5],\ (10-\bmod[2,5])\,3,\ (10+2)\bmod[5,3],$$
$$(10+2)\,(5-3),\ \left(10+3^2\right)+5,\ 10+\left(3^2+5\right),\ ((10-3)+5)\,2,\ (10-(3-5))\,2,$$
$$(10+\bmod[5,3])\,2,\ (10+(5-3))\,2,\ ((10+5)-3)\,2,\ (10+5)+3^2,\ 10+\left(5+3^2\right)\Big\}\Big\},$$

$$\Big\{\{2,3,6,6\},\ \Big\{\left(\frac{2}{3}\,6\right)6,\ \frac{2}{\frac{3}{6}}\,6,\ \mathrm{root}[2,3]^6\,6,\ \frac{2}{3}\,(6\times 6),\ \bmod[2,3]\,(6+6),\ 2\,(3+6)+6,$$
$$\frac{2}{\frac{3}{6\times 6}},\ \frac{2}{\frac{3}{\frac{6}{6}}},\ 2\,(3\times 6-6),\ (2+3)\,6-6,\ \left(2\times\frac{6}{3}\right)6,\ \left(2+\frac{6}{3}\right)6,\ \frac{2\times 6}{3}\,6,\ 2^{\frac{6}{3}}\,6,\ \mathrm{root}\left[2^6,3\right]6,$$
$$2\left(\frac{6}{3}\,6\right),\ 2\,(6+3)+6,\ 2\,\frac{6}{\frac{3}{6}},\ \frac{2\times 6}{\frac{3}{6}},\ (2+6)\bmod[3,6],\ 2\,(6\times 3-6),\ (\bmod[2,6]+6)\,3,$$
$$(2\times 6)\,\frac{6}{3},\ 2\left(6\times\frac{6}{3}\right),\ 2\,\frac{6\times 6}{3},\ \frac{(2\times 6)\,6}{3},\ \frac{2\,(6\times 6)}{3},\ (2+6)\,(6-3),\ 3\,(\bmod[2,6]+6),$$
$$(3+2)\,6-6,\ \bmod[3,6]\,(2+6),\ (3+6)\,2+6,\ 3\,(6+\bmod[2,6]),\ (3\times 6-6)\,2,$$
$$\bmod[3,6]\,(6+2),\ \left(6\times\frac{2}{3}\right)6,\ \frac{6\times 2}{3}\,6,\ (6-\bmod[2,3])\,6,\ 6\left(\frac{2}{3}\,6\right),\ 6+2\,(3+6),\ 6\,\frac{2}{\frac{3}{6}},$$
$$\frac{6\times 2}{\frac{3}{6}},\ (6+2)\bmod[3,6],\ 6\,\mathrm{root}[2,3]^6,\ 6\,(2+3)-6,\ (6+\bmod[2,6])\,3,\ 6+2\,(6+3),$$
$$(6\times 2)\,\frac{6}{3},\ 6\left(2\times\frac{6}{3}\right),\ 6\left(2+\frac{6}{3}\right),\ 6\,\frac{2\times 6}{3},\ \frac{(6\times 2)\,6}{3},\ \frac{6\,(2\times 6)}{3},\ 6\times 2^{\frac{6}{3}},\ 6\,\mathrm{root}\left[2^6,3\right],$$
$$(6+2)\,(6-3),\ \left(\frac{6}{3}\,2\right)6,\ \left(\frac{6}{3}+2\right)6,\ \frac{6}{\frac{3}{2}}\,6,\ \left(\frac{6}{3}\right)^2\,6,\ \frac{6}{3}\,(2\times 6),\ (6-3)\,(2+6),\ (6+3)\,2+6,$$
$$\frac{6}{\frac{3}{2\times 6}},\ \frac{6}{\frac{\frac{3}{2}}{6}},\ 6\,(3+2)-6,\ \left(\frac{6}{3}\,6\right)2,\ \frac{6}{\frac{3}{6}}\,2,\ (6\times 3-6)\,2,\ \frac{6}{3}\,(6\times 2),\ (6-3)\,(6+2),\ 6+(3+6)\,2,$$
$$\frac{6}{\frac{3}{6\times 2}},\ \frac{6}{\frac{\frac{3}{6}}{2}},\ \frac{6}{\left(\frac{3}{6}\right)^2},\ (6\times 6)\,\frac{2}{3},\ 6\left(6\times\frac{2}{3}\right),\ 6\,\frac{6\times 2}{3},\ \frac{(6\times 6)\,2}{3},\ \frac{6\,(6\times 2)}{3},\ (6+6)\bmod[2,3],$$
$$6\,(6-\bmod[2,3]),\ \left(6\times\frac{6}{3}\right)2,\ \frac{6\times 6}{3}\,2,\ 6\left(\frac{6}{3}\,2\right),\ 6\left(\frac{6}{3}+2\right),\ 6+(6+3)\,2,\ 6\,\frac{6}{\frac{3}{2}},\ \frac{6\times 6}{\frac{3}{2}},\ 6\left(\frac{6}{3}\right)^2\Big\}\Big\},$$

$$\Big\{\{2, 3, 6, 7\}, \Big\{(2+6)\bmod[3, 7],\ (2+\bmod[6, 7])\ 3,\ (\bmod[2, 7]+6)\ 3,\ (2\times 7-6)\ 3,$$

$$3\ (2+\bmod[6, 7]),\ 3\ (\bmod[2, 7]+6),\ 3\ (2\times 7-6),\ 3+\frac{6}{2}\ 7,\ 3+\frac{6}{\frac{2}{7}},\ 3\ (6+\bmod[2, 7]),$$

$$3\ (\bmod[6, 7]+2),\ 3+6\times\frac{7}{2},\ 3+\frac{6\times 7}{2},\ (3+\bmod[7, 2])\ 6,\ \bmod[3, 7]\ (2+6),$$

$$3+\frac{7}{2}\ 6,\ 3+\frac{7}{\frac{2}{6}},\ 3\ (7\times 2-6),\ \bmod[3, 7]\ (6+2),\ 3\times 7+\frac{6}{2},\ 3+7\times\frac{6}{2},\ 3+\frac{7\times 6}{2},$$

$$\frac{6}{2}+3\times 7,\ (6+2)\bmod[3, 7],\ (6+\bmod[2, 7])\ 3,\ \frac{6}{2}\ 7+3,\ \frac{6}{\frac{2}{7}}+3,\ \frac{6}{2}+7\times 3,\ \frac{6^3}{2+7},$$

$$\frac{6^3}{7+2},\ 6\ (3+\bmod[7, 2]),\ (\bmod[6, 7]+2)\ 3,\ 6\times\frac{7}{2}+3,\ \frac{6\times 7}{2}+3,\ 6\ (\bmod[7, 2]+3),$$

$$(\bmod[7, 2]+3)\ 6,\ (7\times 2-6)\ 3,\ \frac{7}{2}\ 6+3,\ \frac{7}{\frac{2}{6}}+3,\ 7\times 3+\frac{6}{2},\ 7\times\frac{6}{2}+3,\ \frac{7\times 6}{2}+3\Big\}\Big\},$$

$$\Big\{\{2, 3, 6, 8\}, \Big\{2^6\ \frac{3}{8},\ \frac{2^6\ 3}{8},\ (2+6)\bmod[3, 8],\ \frac{2^6}{8}\ 3,\ (2+\bmod[6, 8])\ 3,\ \frac{2^6+8}{3},\ \frac{2^6}{\frac{8}{3}},$$

$(2\times 6)\bmod[8, 3],\ 2\ (6\bmod[8, 3]),\ (2\times 6)\ \text{root}[8, 3],\ 2\ (6\ \text{root}[8, 3]),\ (2\bmod[8, 3])\ 6,$
$(2+\bmod[8, 3])\ 6,\ 2^{\bmod[8,3]}\ 6,\ 2^{\text{root}[8,3]}\ 6,\ (2\ \text{root}[8, 3])\ 6,\ (2+\text{root}[8, 3])\ 6,\ 2\ (\bmod[8, 3]\ 6),$
$2\ (\text{root}[8, 3]\ 6),\ (2+8)\ 3-6,\ (\bmod[2, 8]+6)\ 3,\ \bmod[3, 2\times 6]\ 8,\ \bmod[3, 2+6]\ 8,$
$\bmod\left[3^2, 6\right]\ 8,\ \left(3^2-6\right)\ 8,\ 3\ \frac{2^6}{8},\ \frac{3\times 2^6}{8},\ 3\ (2+\bmod[6, 8]),\ 3\ (\bmod[2, 8]+6),\ 3\ (2+8)-6,$
$\bmod[3, 6\times 2]\ 8,\ \bmod[3, 6+2]\ 8,\ \bmod[3, 6-2]\ 8,\ (3+\bmod[6, 2])\ 8,\ \text{root}[3+6, 2]\ 8,$
$(3-\bmod[6, 2])\ 8,\ 3\ (\bmod[6, 2]+8),\ (3\times 6-2)+8,\ 3\ (6+\bmod[2, 8]),\ 3\times 6-(2-8),$

$$3\ (\bmod[6, 8]+2),\ 3\times 6+(8-2),\ (3\times 6+8)-2,\ \bmod[3, 8]\ (2+6),\ 3\ (8-2)+6,\ \frac{3}{\frac{8}{2^6}},$$

$$3\bmod[8, 2\times 6],\ \frac{3}{8}\ 2^6,\ 3\ (8+2)-6,\ \bmod[3, 8]\ (6+2),\ 3\ (8+\bmod[6, 2]),\ 3\times 8+\bmod[6, 2],$$

$$3\bmod[8, 6\times 2],\ 3\ (8-\bmod[6, 2]),\ 3\times 8-\bmod[6, 2],\ (\bmod[6, 2]+3)\ 8,\ \frac{6}{\bmod[2, 3]}\ 8,$$

$$\bmod[6, 2]+3\times 8,\ \frac{6}{\frac{\bmod[2,3]}{8}},\ (6+2)\bmod[3, 8],\ (\bmod[6, 2]+8)\ 3,\ (6+\bmod[2, 8])\ 3,$$

$$\bmod[6, 2]+8\times 3,\ (6\times 2)\bmod[8, 3],\ 6\ (2\bmod[8, 3]),\ 6\ (2+\bmod[8, 3]),\ 6\times 2^{\bmod[8,3]},$$
$$6\times 2^{\text{root}[8,3]},\ (6\times 2)\ \text{root}[8, 3],\ 6\ (2\ \text{root}[8, 3]),\ 6\ (2+\text{root}[8, 3]),\ 6-(2-8)\ 3,$$
$$\text{root}[6+3, 2]\ 8,\ (6\times 3-2)+8,\ 6-3\ (2-8),\ 6\times 3-(2-8),\ 6\times 3+(8-2),\ 6+3\ (8-2),$$
$$(6\times 3+8)-2,\ (\bmod[6, 8]+2)\ 3,\ 6+(8-2)\ 3,\ 6\ \frac{8}{\bmod[2, 3]},\ \frac{6\times 8}{\bmod[2, 3]},\ 6\times 8^{\frac{2}{3}},\ 6\ \text{root}\left[8^2, 3\right],$$
$$(6\bmod[8, 3])\ 2,\ (6\ \text{root}[8, 3])\ 2,\ 6\ (\bmod[8, 3]\ 2),\ 6\ (\text{root}[8, 3]\ 2),\ 6\ (\bmod[8, 3]+2),$$

$$6\ (\text{root}[8, 3]+2),\ 6\bmod[8, 3]^2,\ 6\ \text{root}[8, 3]^2,\ \frac{8}{\bmod[2, 3]}\ 6,\ 8^{\frac{2}{3}}\ 6,\ \text{root}\left[8^2, 3\right]\ 6,$$

$$(8-2)\ 3+6,\ (8-2)+3\times 6,\ \frac{8}{\frac{\bmod[2,3]}{6}},\ 8-(2-3\times 6),\ (8+2)\ 3-6,\ \bmod[8, 2\times 6]\ 3,$$

$$(8-2)+6\times 3,\ \frac{8+2^6}{3},\ 8-(2-6\times 3),\ (\bmod[8, 3]\ 2)\ 6,\ (\text{root}[8, 3]\ 2)\ 6,\ (\bmod[8, 3]+2)\ 6,$$

$$(\text{root}[8,3]+2)\,6,\ \text{mod}[8,3]^2\,6,\ \text{root}[8,3]^2\,6,\ \text{mod}[8,3]\,(2\times 6),\ \text{root}[8,3]\,(2\times 6),$$
$$8\,\text{mod}[3,2\times 6],\ 8\,\text{mod}[3,2+6],\ 8\,\text{mod}\left[3^2,6\right],\ 8\left(3^2-6\right),\ (\text{mod}[8,3]\,6)\,2,\ (\text{root}[8,3]\,6)\,2,$$
$$\text{mod}[8,3]\,(6\times 2),\ \text{root}[8,3]\,(6\times 2),\ 8\,\text{mod}[3,6\times 2],\ 8\,\text{mod}[3,6+2],\ 8\,\text{mod}[3,6-2],$$
$$8\,(3+\text{mod}[6,2]),\ 8\times 3+\text{mod}[6,2],\ 8\,\text{root}[3+6,2],\ 8\,(3-\text{mod}[6,2]),\ 8\times 3-\text{mod}[6,2],$$
$$8+(3\times 6-2),\ (8+3\times 6)-2,\ (8+\text{mod}[6,2])\,3,\ \text{mod}[8,6\times 2]\,3,\ (8-\text{mod}[6,2])\,3,$$
$$8\,(\text{mod}[6,2]+3),\ 8\,\frac{6}{\text{mod}[2,3]},\ \frac{8\times 6}{\text{mod}[2,3]},\ 8\,\text{root}[6+3,2],\ 8+(6\times 3-2),\ (8+6\times 3)-2\Big\}\Big\},$$

$$\Big\{\{2,3,6,9\},\ \Big\{2\,(\text{mod}[3,6]+9),\ (2\,\text{Log}[3,9])\,6,\ (2+\text{Log}[3,9])\,6,\ 2^{\text{Log}[3,9]}\,6,$$
$$2\,(\text{Log}[3,9]\,6),\ \text{mod}[2,3]\,9+6,\ 2\,\text{Log}\left[3,9^6\right],\ 2^3\,\text{mod}[9,6],\ 2^3\,(9-6),\ \frac{2+6}{3}\,9,$$
$$\text{mod}[2,6]\,(3+9),\ (2\times 6+3)+9,\ 2\,((6-3)+9),\ 2\times 6+(3+9),\ \frac{2+6}{\frac{3}{9}},\ (2\times 6)\,\text{Log}[3,9],$$
$$2\,(6\,\text{Log}[3,9]),\ (2+6)\,\text{mod}[3,9],\ (2-6)\,(3-9),\ 2\,(6-(3-9)),\ (2+\text{mod}[6,9])\,3,$$
$$\text{mod}[2+6,9]\,3,\ \text{mod}[2,6]\,(9+3),\ (2\times 6+9)+3,\ 2\times 6+(9+3),\ 2\,\frac{6}{\text{Log}[9,3]},\ (2+6)\,\frac{9}{3},$$
$$\frac{2\times 6}{\text{Log}[9,3]},\ \frac{(2+6)\,9}{3},\ 2\,(6+(9-3)),\ 2\,((6+9)-3),\ \frac{2}{\text{Log}[9,3]}\,6,\ 2\,((9-3)+6),\ \frac{2}{\frac{\text{Log}[9,3]}{6}},$$
$$2\,(9+\text{mod}[3,6]),\ 2\,(9-(3-6)),\ (\text{mod}[2,9]+6)\,3,\ 2^{\text{mod}[9,6]}\,3,\ 2^{9-6}\,3,\ \frac{2}{\text{Log}\left[9^6,3\right]},$$
$$(2\,\text{root}[9,6])^3,\ 2\,(9+(6-3)),\ 2\,((9+6)-3),\ \left(3-\frac{2}{6}\right)9,\ \left(3^2+6\right)+9,\ (3+2\times 6)+9,$$
$$3^2+(6+9),\ 3+(2\times 6+9),\ \frac{3}{2^{6-9}},\ 3\,(2+\text{mod}[6,9]),\ 3\,\text{mod}[2+6,9],\ \left(3^2+9\right)+6,$$
$$3\,(\text{mod}[2,9]+6),\ 3^2+(9+6),\ 3\times 2^{\text{mod}[9,6]},\ 3\times 2^{9-6},\ (3+6\times 2)+9,\ 3+(6\times 2+9),$$
$$3\,(6+\text{mod}[2,9]),\ 3\,\text{mod}[6+2,9],\ (\text{mod}[3,6]+9)\,2,\ 3\,(\text{mod}[6,9]+2),\ (\text{Log}[3,9]\,2)\,6,$$
$$(\text{Log}[3,9]+2)\,6,\ \text{Log}\left[3,9^2\right]6,\ (3+\text{mod}[9,2])\,6,\ \text{Log}[3,9]^2\,6,\ \text{Log}[3,9]\,(2\times 6),$$
$$\text{mod}[3,9]\,(2+6),\ (3+9)+2\times 6,\ 3+(9+2\times 6),\ \frac{(3+9)^2}{6},\ \text{Log}\left[3,9^{2\times 6}\right],\ \text{Log}\left[3,\left(9^2\right)^6\right],$$
$$(3+9)\,\text{mod}[2,6],\ (3-9)\,(2-6),\ (\text{Log}[3,9]\,6)\,2,\ \text{Log}\left[3,9^6\right]2,\ \text{Log}[3,9]\,(6\times 2),$$
$$\text{mod}[3,9]\,(6+2),\ (3+9)+6\times 2,\ 3+(9+6\times 2),\ \text{Log}\left[3,9^{6\times 2}\right],\ \text{Log}\left[3,\left(9^6\right)^2\right],\ 3\times 9-\frac{6}{2},$$
$$\frac{6+2}{3}\,9,\ (6\times 2+3)+9,\ 6+\text{mod}[2,3]\,9,\ 6\times 2+(3+9),\ \frac{6+2}{\frac{3}{9}},\ (6\times 2)\,\text{Log}[3,9],$$
$$6\,(2\,\text{Log}[3,9]),\ 6\,(2+\text{Log}[3,9]),\ (6+2)\,\text{mod}[3,9],\ 6\times 2^{\text{Log}[3,9]},\ 6^2-(3+9),$$
$$\left(6^2-3\right)-9,\ (6+\text{mod}[2,9])\,3,\ \text{mod}[6+2,9]\,3,\ (6\times 2+9)+3,\ 6\times 2+(9+3),\ 6\,\frac{2}{\text{Log}[9,3]},$$
$$(6+2)\,\frac{9}{3},\ \frac{6\times 2}{\text{Log}[9,3]},\ \frac{(6+2)\,9}{3},\ (6-2)\,(9-3),\ \frac{6}{2}\,9-3,\ \frac{6}{\frac{2}{9}}-3,\ 6^2-(9+3),\ \left(6^2-9\right)-3,$$
$$\left(6+3^2\right)+9,\ 6+\left(3^2+9\right),\ ((6-3)+9)\,2,\ (6\,\text{Log}[3,9])\,2,\ (6-(3-9))\,2,\ 6\,(\text{Log}[3,9]\,2),$$
$$6\,(\text{Log}[3,9]+2),\ 6\,\text{Log}\left[3,9^2\right],\ 6\,(3+\text{mod}[9,2]),\ 6\,\text{Log}[3,9]^2,\ (\text{mod}[6,9]+2)\,3,$$
$$6\,(\text{mod}[9,2]+3),\ \frac{6}{\text{Log}\left[9^2,3\right]},\ 6+9\,\text{mod}[2,3],\ 6\,\text{mod}[9,2+3],\ 6\,(9-(2+3)),\ 6\times\frac{9}{2}-3,$$

$$\frac{6\times 9}{2}-3,\ 6\ ((9-2)-3),\ \frac{6}{\text{Log}[9,\ 3]}\ 2,\ (6+(9-3))\ 2,\ ((6+9)-3)\ 2,\ \frac{6}{\frac{\text{Log}[9,3]}{2}},\ \frac{6}{\text{Log}[9,\ 3]^2},$$

$$6\ \text{mod}[9,\ 3+2],\ (6+9)+3^2,\ 6+\left(9+3^2\right),\ 6\times 9^{\text{Log}[3,2]},\ 6\ (9-(3+2)),\ 6\ ((9-3)-2),$$

$$(\text{mod}[9,\ 2]+3)\ 6,\ \text{mod}[9,\ 2+3]\ 6,\ (9-(2+3))\ 6,\ ((9-2)-3)\ 6,\ 9\ \text{mod}[2,\ 3]+6,$$

$$(9+2\times 6)+3,\ 9+(2\times 6+3),\ 9\ \frac{2+6}{3},\ \frac{9\ (2+6)}{3},\ \frac{9}{2}\ 6-3,\ \frac{9}{\frac{2}{6}}-3,\ \text{mod}[9,\ 3+2]\ 6,\ 9^{\text{Log}[3,2]}\ 6,$$

$$(9-(3+2))\ 6,\ ((9-3)-2)\ 6,\ \frac{9}{3}\ (2+6),\ \left(9+3^2\right)+6,\ (9+3)+2\times 6,\ 9+\left(3^2+6\right),$$

$$9+(3+2\times 6),\ \frac{9}{\frac{3}{2+6}},\ \frac{(9+3)^2}{6},\ (9+3)\ \text{mod}[2,\ 6],\ 9\left(3-\frac{2}{6}\right),\ ((9-3)+6)\ 2,\ (9+\text{mod}[3,\ 6])\ 2,$$

$$(9-(3-6))\ 2,\ \frac{9}{3}\ (6+2),\ (9+3)+6\times 2,\ 9+(3+6\times 2),\ \frac{9}{\frac{3}{6+2}},\ (9-3)\ (6-2),\ 9\times 3-\frac{6}{2},$$

$$(9+6\times 2)+3,\ 9+(6\times 2+3),\ 9\ \frac{6+2}{3},\ \frac{9\ (6+2)}{3},\ \text{mod}[9,\ 6]\ 2^3,\ (9-6)\ 2^3,\ (\text{root}[9,\ 6]\ 2)^3,$$

$$9\times\frac{6}{2}-3,\ \frac{9\times 6}{2}-3,\ (9+(6-3))\ 2,\ ((9+6)-3)\ 2,\ (9+6)+3^2,\ 9+\left(6+3^2\right)\Big\}\Big\},$$

$$\Big\{\{2,\ 3,\ 6,\ 10\},\ \Big\{\left(2^3+6\right)+10,\ 2^3+(6+10),\ \left(2^3+10\right)+6,\ 2^3+(10+6),\ (2\times 3)\ \text{mod}[10,\ 6],$$

$$2\ (3\ \text{mod}[10,\ 6]),\ (2\times 3)\ (10-6),\ 2\ (3\ (10-6)),\ 2\left(\frac{6}{3}+10\right),\ (2+6)\ \text{mod}[3,\ 10],$$

$$(2+\text{mod}[6,\ 10])\ 3,\ \text{mod}[2+6,\ 10]\ 3,\ \frac{2+10}{3}\ 6,\ \frac{2+10}{\frac{3}{6}},\ (2-10)\ (3-6),\ (\text{mod}[2,\ 10]+6)\ 3,$$

$$(2\ \text{mod}[10,\ 6])\ 3,\ (2\ (10-6))\ 3,\ 2\ (\text{mod}[10,\ 6]\ 3),\ 2\ ((10-6)\ 3),\ (2+10)\ \frac{6}{3},\ 2\left(10+\frac{6}{3}\right),$$

$$\frac{(2+10)\ 6}{3},\ \frac{3}{2}\ (6+10),\ \frac{3}{\frac{2}{6+10}},\ 3\ (2+\text{mod}[6,\ 10]),\ 3\ \text{mod}[2+6,\ 10],\ \frac{3}{2}\ (10+6),$$

$$3\ (\text{mod}[2,\ 10]+6),\ \frac{3}{\frac{2}{10+6}},\ (3\times 2)\ \text{mod}[10,\ 6],\ 3\ (2\ \text{mod}[10,\ 6]),\ (3\times 2)\ (10-6),$$

$$3\ (2\ (10-6)),\ 3\ (6+\text{mod}[2,\ 10]),\ 3\ \text{mod}[6+2,\ 10],\ (3-6)\ (2-10),\ 3\ (\text{mod}[6,\ 10]+2),$$

$$3\ \frac{6+10}{2},\ \frac{3\ (6+10)}{2},\ \text{mod}[3,\ 6]\ (10-2),\ \text{mod}[3,\ 10]\ (2+6),\ 3\ (10-\text{mod}[2,\ 6]),$$

$$(3\ \text{mod}[10,\ 6])\ 2,\ (3\ (10-6))\ 2,\ 3\ (\text{mod}[10,\ 6]\ 2),\ 3\ ((10-6)\ 2),\ \text{mod}[3,\ 10]\ (6+2),$$

$$3\ \frac{10+6}{2},\ \frac{3\ (10+6)}{2},\ \left(6+2^3\right)+10,\ 6+\left(2^3+10\right),\ (6+2)\ \text{mod}[3,\ 10],\ (6+\text{mod}[2,\ 10])\ 3,$$

$$\text{mod}[6+2,\ 10]\ 3,\ 6\ \frac{2+10}{3},\ \frac{6\ (2+10)}{3},\ \frac{6}{3}\ (2+10),\ \frac{6}{\frac{3}{2+10}},\ \left(\frac{6}{3}+10\right)\ 2,\ \frac{6}{3}\ (10+2),$$

$$\frac{6}{\frac{3}{10+2}},\ (6-3)\ (10-2),\ (\text{mod}[6,\ 10]+2)\ 3,\ \frac{6+10}{2}\ 3,\ 6\ \frac{10+2}{3},\ \frac{6\ (10+2)}{3},\ \frac{6+10}{\frac{2}{3}},$$

$$6\ \text{mod}[10,\ 2\times 3],\ (6+10)+2^3,\ 6+\left(10+2^3\right),\ 6\ (10-2\times 3),\ (6+10)\ \frac{3}{2},\ \frac{(6+10)\ 3}{2},$$

$$6\ \text{mod}[10,\ 3\times 2],\ 6\ (10-3\times 2),\ \frac{10+2}{3}\ 6,\ \text{mod}[10,\ 2\times 3]\ 6,\ (10-2\times 3)\ 6,\ \left(10+2^3\right)+6,$$

$$10+\left(2^3+6\right),\ \frac{10+2}{\frac{3}{6}},\ (10-2)\bmod[3,6],\ (10-\bmod[2,6])\,3,\ (10+2)\,\frac{6}{3},\ \frac{(10+2)\,6}{3},$$

$$(10-2)\,(6-3),\ \bmod[10,3\times 2]\,6,\ (10-3\times 2)\,6,\ (\bmod[10,6]\,2)\,3,\ ((10-6)\,2)\,3,\ \frac{10+6}{2}\,3,$$

$$\bmod[10,6]\,(2\times 3),\ (10-6)\,(2\times 3),\ \frac{10+6}{\frac{2}{3}},\ (10+6)+2^3,\ 10+\left(6+2^3\right),\ (\bmod[10,6]\,3)\,2,$$

$$((10-6)\,3)\,2,\ \left(10+\frac{6}{3}\right)2,\ \bmod[10,6]\,(3\times 2),\ (10-6)\,(3\times 2),\ (10+6)\,\frac{3}{2},\ \frac{(10+6)\,3}{2}\Big\}\Big\},$$

$$\{\{2,3,7,7\},\{(2\times 7+3)+7,\ 2\times 7+(3+7),\ (2\times 7+7)+3,\ 2\times 7+(7+3),\ (3+2\times 7)+7,$$
$$3+(2\times 7+7),\ (3+7\times 2)+7,\ 3\,(\bmod[7,2]+7),\ (3+7)+2\times 7,\ 3+(7\times 2+7),\ 3+(7+2\times 7),$$
$$(3+7)+7\times 2,\ 3+(7+7\times 2),\ 3\,(7+\bmod[7,2]),\ (7\times 2+3)+7,\ 7\times 2+(3+7),\ (\bmod[7,2]+7)\,3,$$
$$(7\times 2+7)+3,\ (7+2\times 7)+3,\ 7\times 2+(7+3),\ 7+(2\times 7+3),\ (7+3)+2\times 7,\ 7+(3+2\times 7),$$
$$(7+3)+7\times 2,\ 7+(3+7\times 2),\ (7+\bmod[7,2])\,3,\ (7+7\times 2)+3,\ 7+(7\times 2+3)\}\},$$

$$\Big\{\{2,3,7,8\},\Big\{\frac{2+7}{3}\,8,\ (2+\bmod[7,3])\,8,\ 2^{7-3}+8,\ 2\,((7-3)+8),\ \frac{2+7}{\frac{3}{8}},\ 2\,(7-(3-8)),$$

$$(2+7)\,\frac{8}{3},\ \frac{(2+7)\,8}{3},\ 2\,(7+(8-3)),\ 2\,((7+8)-3),\ 2\,((8-3)+7),\ \text{Log}[2,8]+3\times 7,$$
$$(2-8)\,(3-7),\ 2\,(8-(3-7)),\ \text{Log}[2,8]\,7+3,\ \text{Log}\left[2,8^7\right]+3,\ \text{Log}[2,8]+7\times 3,$$
$$2\,(8+(7-3)),\ 2\,((8+7)-3),\ \bmod[3,2\times 7]\,8,\ \bmod[3,2+7]\,8,\ \left(3^2+7\right)+8,\ 3^2+(7+8),$$
$$\left(3^2+8\right)+7,\ 3+\text{Log}[2,8]\,7,\ 3^2+(8+7),\ 3+\text{Log}\left[2,8^7\right],\ \frac{3}{\bmod[7,2]}\,8,\ \bmod[3,7\times 2]\,8,$$
$$\bmod[3,7+2]\,8,\ \bmod[3,7-2]\,8,\ (3\bmod[7,2])\,8,\ 3^{\bmod[7,2]}\,8,\ \text{root}[3,\bmod[7,2]]\,8,$$
$$3\,(\bmod[7,2]\,8),\ \frac{3}{\frac{\bmod[7,2]}{8}},\ 3\times 7+\text{Log}[2,8],\ 3+7\,\text{Log}[2,8],\ (3-7)\,(2-8),\ 3+\frac{7}{\text{Log}[8,2]},$$

$$3\bmod[8,2\times 7],\ 3\bmod[8,2+7],\ 3\,\frac{8}{\bmod[7,2]},\ \frac{3\times 8}{\bmod[7,2]},\ (3\times 8)\bmod[7,2],\ 3\,(8\bmod[7,2]),$$
$$3\bmod[8,7\times 2],\ 3\bmod[8,7+2],\ 3\times 8^{\bmod[7,2]},\ (3\times 8)^{\bmod[7,2]},\ 3\,\text{root}[8,\bmod[7,2]],$$
$$\text{root}[3\times 8,\bmod[7,2]],\ (\bmod[7,2]\,3)\,8,\ \frac{7+2}{3}\,8,\ \bmod[7,2]\,(3\times 8),\ \frac{7+2}{\frac{3}{8}},\ (\bmod[7,2]\,8)\,3,$$

$$\bmod[7,2]\,(8\times 3),\ 7\,\text{Log}[2,8]+3,\ (7+2)\,\frac{8}{3},\ \frac{(7+2)\,8}{3},\ (\bmod[7,3]+2)\,8,\ \left(7+3^2\right)+8,$$
$$(7-3)^2+8,\ 7+\left(3^2+8\right),\ 7\times 3+\text{Log}[2,8],\ ((7-3)+8)\,2,\ (7-(3-8))\,2,\ (7-3)\,(8-2),$$
$$\frac{7}{\text{Log}[8,2]}+3,\ (7+(8-3))\,2,\ ((7+8)-3)\,2,\ (7+8)+3^2,\ 7+\left(8+3^2\right),\ \bmod[8,2\times 7]\,3,$$
$$\bmod[8,2+7]\,3,\ 8\,\frac{2+7}{3},\ \frac{8\,(2+7)}{3},\ 8\,(2+\bmod[7,3]),\ 8+2^{7-3},\ (8-2)\,(7-3),\ \frac{8}{3}\,(2+7),$$
$$\left(8+3^2\right)+7,\ 8+\left(3^2+7\right),\ \frac{8}{\frac{3}{2+7}},\ 8\bmod[3,2\times 7],\ 8\bmod[3,2+7],\ ((8-3)+7)\,2,\ (8-(3-7))\,2,$$
$$\frac{8}{3}\,(7+2),\ 8\,\frac{3}{\bmod[7,2]},\ \frac{8}{\frac{3}{7+2}},\ \frac{8\times 3}{\bmod[7,2]},\ 8\bmod[3,7\times 2],\ 8\bmod[3,7+2],\ 8\bmod[3,7-2],$$
$$(8\times 3)\bmod[7,2],\ 8\,(3\bmod[7,2]),\ 8\times 3^{\bmod[7,2]},\ (8\times 3)^{\bmod[7,2]},\ 8\,\text{root}[3,\bmod[7,2]],$$
$$\text{root}[8\times 3,\bmod[7,2]],\ \frac{8}{\bmod[7,2]}\,3,\ (8\bmod[7,2])\,3,\ \bmod[8,7\times 2]\,3,\ \bmod[8,7+2]\,3,$$

$$8^{\text{mod}[7,2]}\ 3,\ \text{root}[8,\ \text{mod}[7,\ 2]]\ 3,\ 8\ (\text{mod}[7,\ 2]\ 3),\ \frac{8}{\frac{\text{mod}[7,2]}{3}},\ 8\ \frac{7+2}{3},\ \frac{8\ (7+2)}{3},\ (8+(7-3))\ 2,$$

$$((8+7)-3)\ 2,\ 8\ (\text{mod}[7,\ 3]+2),\ \frac{8}{\frac{7}{3}-2},\ (8+7)+3^2,\ 8+\left(7+3^2\right),\ 8+(7-3)^2\Big\}\Big\},$$

$$\Big\{\{2,\ 3,\ 7,\ 9\},\ \Big\{\left(2^3+7\right)+9,\ 2\ (\text{mod}[3,\ 7]+9),\ 2^3+(7+9),\ 2\ (3\times 7-9),\ \left(2^3+9\right)+7,$$

$$2^3+(9+7),\ \text{mod}[2,\ 7]\ (3+9),\ 2\ (7\times 3-9),\ \text{mod}[2,\ 7]\ (9+3),\ 2\ (9+\text{mod}[3,\ 7]),$$

$$\frac{3}{2}\ (7+9),\ \frac{3}{\frac{2}{7+9}},\ \frac{3}{2}\ (9+7),\ \frac{3}{\frac{2}{9+7}},\ 3\ (7-2)+9,\ (\text{mod}[3,\ 7]+9)\ 2,\ (3\times 7-9)\ 2,\ 3\ \frac{7+9}{2},$$

$$\frac{3\ (7+9)}{2},\ 3\ (7+\text{mod}[9,\ 2]),\ 3\times 7+\text{root}[9,\ 2],\ 3+7\ \text{root}[9,\ 2],\ 3\ (\text{mod}[9,\ 2]+7),$$

$$3+\text{root}[9,\ 2]\ 7,\ (3+9)\ \text{mod}[2,\ 7],\ 3\ \frac{9+7}{2},\ \frac{3\ (9+7)}{2},\ 3\ (9-\text{mod}[7,\ 2]),\ (7-2)\ 3+9,$$

$$\left(7+2^3\right)+9,\ 7+\left(2^3+9\right),\ (7\times 3-9)\ 2,\ 7\times 3+\text{root}[9,\ 2],\ \frac{7+9}{2}\ 3,\ (7+\text{mod}[9,\ 2])\ 3,$$

$$7\ \text{root}[9,\ 2]+3,\ \frac{7+9}{\frac{2}{3}},\ (7+9)+2^3,\ 7+\left(9+2^3\right),\ (7+9)\ \frac{3}{2},\ \frac{(7+9)\ 3}{2},\ \left(9+2^3\right)+7,$$

$$\text{root}[9,\ 2]+3\times 7,\ 9+\left(2^3+7\right),\ (\text{mod}[9,\ 2]+7)\ 3,\ \text{root}[9,\ 2]\ 7+3,\ \text{root}[9,\ 2]+7\times 3,$$

$$9-(2-7)\ 3,\ (9+3)\ \text{mod}[2,\ 7],\ 9-3\ (2-7),\ (9+\text{mod}[3,\ 7])\ 2,\ 9+3\ (7-2),\ \frac{9+7}{2}\ 3,$$

$$(9-\text{mod}[7,\ 2])\ 3,\ 9+(7-2)\ 3,\ \frac{9+7}{\frac{2}{3}},\ (9+7)+2^3,\ 9+\left(7+2^3\right),\ (9+7)\ \frac{3}{2},\ \frac{(9+7)\ 3}{2}\Big\}\Big\},$$

$$\Big\{\{2,\ 3,\ 7,\ 10\},\ \Big\{\text{mod}[2,\ 3]\ 7+10,\ 2^3\ \text{mod}[10,\ 7],\ 2^3\ (10-7),\ \text{mod}\left[2^7,\ 10\right]\ 3,\ \frac{2+7\times 10}{3},$$

$$(2\times 10-3)+7,\ 2\times 10-(3-7),\ 2^{\text{mod}[10,7]}\ 3,\ 2^{10-7}\ 3,\ \frac{2+10\times 7}{3},\ 2\times 10+(7-3),$$

$$(2\times 10+7)-3,\ \frac{3}{2^{7-10}},\ 3\ \text{mod}\left[2^7,\ 10\right],\ 3\times 2^{\text{mod}[10,7]},\ 3\times 2^{10-7},\ \text{mod}[3,\ 7]\ (10-2),$$

$$3\ (10-\text{mod}[2,\ 7]),\ 7\ \text{mod}[2,\ 3]+10,\ 7+(2\times 10-3),\ (7+2\times 10)-3,\ (7-3)+2\times 10,$$

$$7-(3-2\times 10),\ (7-3)+10\times 2,\ 7-(3-10\times 2),\ \frac{7\times 10+2}{3},\ 7+(10\times 2-3),\ (7+10\times 2)-3,$$

$$(10\times 2-3)+7,\ 10+\text{mod}[2,\ 3]\ 7,\ (10-2)\ \text{mod}[3,\ 7],\ 10\times 2-(3-7),\ (10-\text{mod}[2,\ 7])\ 3,$$

$$10\times 2+(7-3),\ (10\times 2+7)-3,\ \frac{10\times 7+2}{3},\ 10+7\ \text{mod}[2,\ 3],\ \text{mod}[10,\ 7]\ 2^3,\ (10-7)\ 2^3\Big\}\Big\},$$

$$\Big\{\{2,\ 3,\ 8,\ 8\},\ \Big\{\text{Log}[\text{mod}[2,\ 3],\ 8]\ 8,\ \text{mod}[2,\ 3]\ 8+8,\ \left(2^3+8\right)+8,\ 2^3+(8+8),$$

$$\text{Log}\left[\text{mod}[2,\ 3],\ 8^8\right],\ 2^{8-3}-8,\ (2\times 8-8)\ 3,\ \text{mod}[3,\ 2\times 8]\ 8,\ \text{mod}[3,\ 2+8]\ 8,\ \frac{3}{2}\ (8+8),$$

$$\frac{3}{\frac{2}{8+8}},\ 3\ (2\times 8-8),\ \text{mod}[3,\ 8\times 2]\ 8,\ \text{mod}[3,\ 8+2]\ 8,\ \text{mod}\left[3,\ \frac{8}{2}\right]\ 8,\ \text{mod}[3,\ 8-2]\ 8,$$

$$(3+\text{mod}[8,\ 2])\ 8,\ (3-\text{mod}[8,\ 2])\ 8,\ 3\ (\text{mod}[8,\ 2]+8),\ 3\ \frac{8^2}{8},\ \frac{3\times 8^2}{8},\ 3\ \text{mod}[8,\ 2\times 8],$$

$$3\ \text{mod}[8,\ 2+8],\ 3\ (8\times 2-8),\ \frac{3}{\frac{8}{8^2}},\ 3\ \frac{8+8}{2},\ \frac{3\ (8+8)}{2},\ 3\ (8+\text{mod}[8,\ 2]),\ 3\times 8+\text{mod}[8,\ 2],$$

$$3\,\mathrm{mod}[8,\,8\times 2],\ 3\,\mathrm{mod}[8,\,8+2],\ \frac{3}{8}\,8^2,\ 3\,\mathrm{root}[8\times 8,\,2],\ 3\,(8-\mathrm{mod}[8,\,2]),\ 3\times 8-\mathrm{mod}[8,\,2],$$
$$(\mathrm{mod}[8,\,2]+3)\,8,\ \mathrm{mod}[8,\,2+3]\,8,\ (8-(2+3))\,8,\ ((8-2)-3)\,8,\ 8\,\mathrm{mod}[2,\,3]+8,$$
$$\left(8+2^3\right)+8,\ \mathrm{mod}[8,\,2]+3\times 8,\ 8+\mathrm{mod}[2,\,3]\,8,\ 8+\left(2^3+8\right),\ 8^2\,\frac{3}{8},\ \frac{8^2\,3}{8},\ 8\,\mathrm{Log}[\mathrm{mod}[2,\,3],\,8],$$
$$(\mathrm{mod}[8,\,2]+8)\,3,\ \frac{8^2}{8}\,3,\ \mathrm{mod}[8,\,2\times 8]\,3,\ \mathrm{mod}[8,\,2+8]\,3,\ (8\times 2-8)\,3,\ \mathrm{mod}[8,\,2]+8\times 3,$$
$$\frac{8^2+8}{3},\ \frac{8^2}{\frac{8}{3}},\ \mathrm{mod}[8,\,3+2]\,8,\ (8-(3+2))\,8,\ ((8-3)-2)\,8,\ 8\,\mathrm{mod}[3,\,2\times 8],\ 8\,\mathrm{mod}[3,\,2+8],$$
$$8\,\mathrm{mod}[3,\,8\times 2],\ 8\,\mathrm{mod}[3,\,8+2],\ 8\,\mathrm{mod}\left[3,\,\frac{8}{2}\right],\ 8\,\mathrm{mod}[3,\,8-2],\ 8\,(3+\mathrm{mod}[8,\,2]),$$
$$8\times 3+\mathrm{mod}[8,\,2],\ 8\,(3-\mathrm{mod}[8,\,2]),\ 8\times 3-\mathrm{mod}[8,\,2],\ \frac{8+8}{2}\,3,\ (8+\mathrm{mod}[8,\,2])\,3,\ \mathrm{mod}[8,\,8\times 2]\,3,$$
$$\mathrm{mod}[8,\,8+2]\,3,\ \mathrm{root}[8\times 8,\,2]\,3,\ (8-\mathrm{mod}[8,\,2])\,3,\ 8\,(\mathrm{mod}[8,\,2]+3),\ \frac{8}{\mathrm{Log}[8,\,\mathrm{mod}[2,\,3]]},$$
$$\frac{8+8}{\frac{2}{3}},\ \frac{8+8^2}{3},\ 8+8\,\mathrm{mod}[2,\,3],\ 8\,\mathrm{mod}[8,\,2+3],\ (8+8)+2^3,\ 8+\left(8+2^3\right),\ 8\,(8-(2+3)),$$
$$8\,((8-2)-3),\ (8+8)\,\frac{3}{2},\ \frac{(8+8)\,3}{2},\ 8\,\mathrm{mod}[8,\,3+2],\ 8\,(8-(3+2)),\ 8\,((8-3)-2)\Big\}\Big\},$$
$$\Big\{\{2,\,3,\,8,\,9\},\ \Big\{2\,(\mathrm{mod}[3,\,8]+9),\ \mathrm{mod}[2,\,8]\,(3+9),\ \mathrm{mod}[2,\,8]\,(9+3),\ \mathrm{Log}[2,\,8]\,9-3,$$
$$\mathrm{Log}\left[2,\,8^9\right]-3,\ 2\,(9+\mathrm{mod}[3,\,8]),\ \mathrm{mod}[3,\,2+9]\,8,\ (3-\mathrm{Log}[8,\,2])\,9,\ 3\,\mathrm{mod}[8,\,2+9],$$
$$(\mathrm{mod}[3,\,8]+9)\,2,\ 3\,\frac{8}{\mathrm{mod}[9,\,2]},\ \frac{3\times 8}{\mathrm{mod}[9,\,2]},\ 3\,\mathrm{mod}[8,\,9+2],\ (3\times 8)\,\mathrm{mod}[9,\,2],\ 3\,(8\,\mathrm{mod}[9,\,2]),$$
$$3\times 8^{\mathrm{mod}[9,2]},\ (3\times 8)^{\mathrm{mod}[9,2]},\ 3\,\mathrm{root}[8,\,\mathrm{mod}[9,\,2]],\ \mathrm{root}[3\times 8,\,\mathrm{mod}[9,\,2]],\ \frac{3}{\mathrm{mod}[9,\,2]}\,8,$$
$$\mathrm{mod}[3,\,9+2]\,8,\ \mathrm{mod}[3,\,9-2]\,8,\ (3\,\mathrm{mod}[9,\,2])\,8,\ 3^{\mathrm{mod}[9,2]}\,8,\ \mathrm{root}[3,\,\mathrm{mod}[9,\,2]]\,8,$$
$$3\,(\mathrm{mod}[9,\,2]\,8),\ \frac{3}{\frac{\mathrm{mod}[9,2]}{8}},\ (3+9)\,\mathrm{mod}[2,\,8],\ 3\times 9-\mathrm{Log}[2,\,8],\ \frac{(8-2)^3}{9},\ \mathrm{mod}[8,\,2+9]\,3,$$
$$\frac{8}{\frac{2}{9-3}},\ \frac{8}{2}\,(9-3),\ 8\,\mathrm{mod}[3,\,2+9],\ 8\,\frac{3}{\mathrm{mod}[9,\,2]},\ \frac{8\times 3}{\mathrm{mod}[9,\,2]},\ 8\,\mathrm{mod}[3,\,9+2],\ 8\,\mathrm{mod}[3,\,9-2],$$
$$(8\times 3)\,\mathrm{mod}[9,\,2],\ 8\,(3\,\mathrm{mod}[9,\,2]),\ 8\times 3^{\mathrm{mod}[9,2]},\ (8\times 3)^{\mathrm{mod}[9,2]},\ 8\,\mathrm{root}[3,\,\mathrm{mod}[9,\,2]],$$
$$\mathrm{root}[8\times 3,\,\mathrm{mod}[9,\,2]],\ \frac{8}{\mathrm{mod}[9,\,2]}\,3,\ \mathrm{mod}[8,\,9+2]\,3,\ (8\,\mathrm{mod}[9,\,2])\,3,\ 8^{\mathrm{mod}[9,2]}\,3,$$
$$\mathrm{root}[8,\,\mathrm{mod}[9,\,2]]\,3,\ 8\,(\mathrm{mod}[9,\,2]\,3),\ \frac{8}{\frac{\mathrm{mod}[9,2]}{3}},\ 8\,\mathrm{mod}[9,\,2\times 3],\ 8\,\mathrm{root}[9,\,\mathrm{mod}[2,\,3]],$$
$$8\,(9-2\times 3),\ 8\,\frac{9-3}{2},\ \frac{8\,(9-3)}{2},\ 8\,\mathrm{mod}[9,\,3\times 2],\ 8\,(9-3\times 2),\ (\mathrm{mod}[9,\,2]\,3)\,8,\ \mathrm{mod}[9,\,2\times 3]\,8,$$
$$\mathrm{root}[9,\,\mathrm{mod}[2,\,3]]\,8,\ (9-2\times 3)\,8,\ \mathrm{mod}[9,\,2]\,(3\times 8),\ (\mathrm{mod}[9,\,2]\,8)\,3,\ \mathrm{mod}[9,\,2]\,(8\times 3),$$
$$9\,\mathrm{Log}[2,\,8]-3,\ \frac{9-3}{2}\,8,\ \mathrm{mod}[9,\,3\times 2]\,8,\ (9-3\times 2)\,8,\ \frac{9-3}{\frac{2}{8}},\ (9+3)\,\mathrm{mod}[2,\,8],$$
$$9\times 3-\mathrm{Log}[2,\,8],\ (9+\mathrm{mod}[3,\,8])\,2,\ (9-3)\,\frac{8}{2},\ \frac{(9-3)\,8}{2},\ 9\,(3-\mathrm{Log}[8,\,2]),\ \frac{9}{\mathrm{Log}[8,\,2]}-3\Big\}\Big\},$$

$$\Big\{\{2, 3, 8, 10\}, \Big\{(2\times 3+8)+10,\ 2\times 3+(8+10),\ (2\times 3+10)+8,\ 2\times 3+(10+8),$$
$$2+(3\times 10-8),\ (2+3\times 10)-8,\ 2\,(\text{mod}[8, 3]+10),\ 2\,(\text{root}[8, 3]+10),\ (2-8)+3\times 10,$$
$$2-(8-3\times 10),\ (2-8)+10\times 3,\ 2-(8-10\times 3),\ (2+\text{mod}[10, 3])\,8,\ 2+(10\times 3-8),$$
$$(2+10\times 3)-8,\ (2+10)\,\text{mod}[8, 3],\ 2\,(10+\text{mod}[8, 3]),\ (2+10)\,\text{root}[8, 3],$$
$$2\,(10+\text{root}[8, 3]),\ (3\times 2+8)+10,\ 3\times 2+(8+10),\ \text{mod}[3, 2+10]\,8,\ (3\times 2+10)+8,$$
$$3\times 2+(10+8),\ 3\,\text{mod}[8, 2+10],\ 3\,\text{mod}[8, 10+2],\ 3\,(8+\text{mod}[10, 2]),\ 3\times 8+\text{mod}[10, 2],$$
$$3\,(8-\text{mod}[10, 2]),\ \text{mod}[3, 8]\,(10-2),\ 3\times 8-\text{mod}[10, 2],\ \text{mod}[3, 10+2]\,8,\ \text{mod}\Big[3,\ \frac{10}{2}\Big]\,8,$$
$$\text{mod}[3, 10-2]\,8,\ (3+\text{mod}[10, 2])\,8,\ (3-\text{mod}[10, 2])\,8,\ 3\,(\text{mod}[10, 2]+8),$$
$$3\times 10+(2-8),\ 3\,(10-\text{mod}[2, 8]),\ (3\times 10+2)-8,\ (3\times 10-8)+2,\ 3\times 10-(8-2),$$
$$(8+2\times 3)+10,\ 8+(2\times 3+10),\ \text{mod}[8, 2+10]\,3,\ 8\,(2+\text{mod}[10, 3])\,,\ \text{mod}[8, 3]\,(2+10),$$
$$\text{root}[8, 3]\,(2+10),\ (8+3\times 2)+10,\ 8+(3\times 2+10),\ 8\,\text{mod}[3, 2+10],\ (\text{mod}[8, 3]+10)\,2,$$
$$(\text{root}[8, 3]+10)\,2,\ \text{mod}[8, 3]\,(10+2),\ \text{root}[8, 3]\,(10+2),\ 8\,\text{mod}[3, 10+2],$$
$$8\,\text{mod}\Big[3,\ \frac{10}{2}\Big],\ 8\,\text{mod}[3, 10-2],\ 8\,(3+\text{mod}[10, 2]),\ 8\times 3+\text{mod}[10, 2],\ 8\,(3-\text{mod}[10, 2]),$$
$$8\times 3-\text{mod}[10, 2],\ \text{mod}[8, 10+2]\,3,\ (8+\text{mod}[10, 2])\,3,\ (8-\text{mod}[10, 2])\,3,$$
$$8\,(\text{mod}[10, 2]+3),\ (8+10)+2\times 3,\ 8+(10+2\times 3),\ 8\,(\text{mod}[10, 3]+2),\ (8+10)+3\times 2,$$
$$8+(10+3\times 2),\ (\text{mod}[10, 2]+3)\,8,\ (10+2\times 3)+8,\ \text{mod}[10, 2]+3\times 8,\ 10+(2\times 3+8),$$
$$(10-2)\,\text{mod}[3, 8],\ (\text{mod}[10, 2]+8)\,3,\ (10-\text{mod}[2, 8])\,3,\ \text{mod}[10, 2]+8\times 3,$$
$$(10+2)\,\text{mod}[8, 3],\ (10+2)\,\text{root}[8, 3],\ (\text{mod}[10, 3]+2)\,8,\ (10+3\times 2)+8,\ 10+(3\times 2+8),$$
$$10\times 3+(2-8),\ (10\times 3+2)-8,\ (10\times 3-8)+2,\ 10\times 3-(8-2),\ (10+8)+2\times 3,$$
$$10+(8+2\times 3),\ (10+\text{mod}[8, 3])\,2,\ (10+\text{root}[8, 3])\,2,\ (10+8)+3\times 2,\ 10+(8+3\times 2)\Big\}\Big\},$$

$$\Big\{\{2, 3, 9, 9\}, \Big\{(2\times 3+9)+9,\ 2\,(\text{mod}[3, 9]+9),\ 2\times 3+(9+9),\ \text{mod}[2, 9]\,(3+9),$$
$$2\left(\frac{9}{3}+9\right),\ (2\times 9-3)+9,\ 2\,(9+\text{mod}[3, 9]),\ (2+9)\,3-9,\ 2\times 9-(3-9),\ \text{mod}\Big[2^9,\ 9\Big]\,3,$$
$$\text{mod}[2, 9]\,(9+3),\ 2\left(9+\frac{9}{3}\right),\ 2\times 9+(9-3),\ (2\times 9+9)-3,\ (3\times 2+9)+9,\ 3\times 2+(9+9),$$
$$3\,\text{mod}\Big[2^9,\ 9\Big],\ 3\,(2+9)-9,\ (3+9)\,\text{mod}[2, 9],\ 3\,(9+2)-9,\ (\text{mod}[3, 9]+9)\,2,$$
$$3\,(9-\text{mod}[9, 2]),\ 3\times 9-\text{root}[9, 2],\ (9+2\times 3)+9,\ (9\times 2-3)+9,\ 9+(2\times 3+9),$$
$$9\times 2-(3-9),\ (9+2)\,3-9,\ \frac{9^2-9}{3},\ 9\times 2+(9-3),\ 9+(2\times 9-3),\ \text{root}[9, 2]\,9-3,$$
$$(9\times 2+9)-3,\ (9+2\times 9)-3,\ (9+3\times 2)+9,\ (9-3)+2\times 9,\ 9+(3\times 2+9),$$
$$(9+3)\,\text{mod}[2, 9],\ 9-(3-2\times 9),\ \left(\frac{9}{3}+9\right)2,\ (9+\text{mod}[3, 9])\,2,\ (9-3)+9\times 2,$$
$$9-(3-9\times 2),\ 9\times 3-\text{root}[9, 2],\ (9-\text{mod}[9, 2])\,3,\ (9+9)+2\times 3,\ 9+(9+2\times 3),$$
$$9+(9\times 2-3),\ (9+9\times 2)-3,\ 9\,\text{root}[9, 2]-3,\ \left(9+\frac{9}{3}\right)2,\ (9+9)+3\times 2,\ 9+(9+3\times 2)\Big\}\Big\},$$

$$\Big\{\{2, 3, 9, 10\}, \Big\{((2+3)+9)+10,\ (2+(3+9))+10,\ 2\,(\text{Log}[3, 9]+10),\ (2+3)+(9+10),$$
$$2+((3+9)+10),\ 2+(3+(9+10)),\ 2\,(3+\text{mod}[9, 10]),\ ((2+3)+10)+9,\ (2+(3+10))+9,$$
$$2\,(\text{mod}[3, 10]+9),\ (2+3)+(10+9),\ 2+((3+10)+9),\ 2+(3+(10+9)),\ ((2+9)+3)+10,$$
$$(2+(9+3))+10,\ (2+9)+(3+10),\ 2+((9+3)+10),\ 2+(9+(3+10)),\ 2\,(9+\text{mod}[3, 10]),$$
$$\text{mod}[2\times 9, 10]\,3,\ (2\times 9-10)\,3,\ ((2+9)+10)+3,\ (2+(9+10))+3,\ 2\,(\text{mod}[9, 10]+3),$$
$$(2+9)+(10+3),\ 2+((9+10)+3),\ 2+(9+(10+3)),\ \text{mod}[2, 10]\,(3+9),\ ((2+10)+3)+9,$$
$$(2+(10+3))+9,\ (2+10)+(3+9),\ 2+((10+3)+9),\ 2+(10+(3+9)),\ (2+10)\,\text{Log}[3, 9],$$
$$2\,(10+\text{Log}[3, 9]),\ \text{mod}[2, 10]\,(9+3),\ ((2+10)+9)+3,\ (2+(10+9))+3,\ (2+10)+(9+3),$$
$$2+((10+9)+3),\ 2+(10+(9+3)),\ \frac{2+10}{\text{Log}[9, 3]},\ ((3+2)+9)+10,\ (3+(2+9))+10,$$
$$(3+2)+(9+10),\ 3+((2+9)+10),\ 3+(2+(9+10)),\ 3\,\text{mod}[2\times 9, 10],\ 3\,(2\times 9-10),$$
$$\frac{3}{2}\,10+9,\ ((3+2)+10)+9,\ (3+(2+10))+9,\ \frac{3}{\frac{2}{10}}+9,\ (3+2)+(10+9),\ 3+((2+10)+9),$$
$$3+(2+(10+9)),\ \text{Log}[3, 9]\,(2+10),\ ((3+9)+2)+10,\ (3+(9+2))+10,\ (3+9)+(2+10),$$
$$3+((9+2)+10),\ 3+(9+(2+10)),\ \text{Log}\Big[3,\ 9^{2+10}\Big],\ (3+9)\,\text{mod}[2, 10],\ 3\,\text{mod}[9\times 2, 10],$$

$$3\,(9\times 2-10),\ (\text{Log}[3,\,9]+10)\,2,\ (3+\text{mod}[9,\,10])\,2,\ \text{Log}[3,\,9]\,(10+2),\ ((3+9)+10)+2,$$
$$(3+(9+10))+2,\ (3+9)+(10+2),\ 3+((9+10)+2),\ 3+(9+(10+2)),\ \text{Log}\left[3,\,9^{10+2}\right],$$
$$\text{mod}[3,\,9]\,(10-2),\ ((3+10)+2)+9,\ (3+(10+2))+9,\ 3\times\frac{10}{2}+9,\ \frac{3\times 10}{2}+9,$$
$$(3+10)+(2+9),\ 3+((10+2)+9),\ 3+(10+(2+9)),\ 3\,\text{mod}[10-2,\,9],\ 3\,(10-\text{mod}[2,\,9]),$$
$$(\text{mod}[3,\,10]+9)\,2,\ ((3+10)+9)+2,\ (3+(10+9))+2,\ (3+10)+(9+2),\ 3+((10+9)+2),$$
$$3+(10+(9+2)),\ ((9+2)+3)+10,\ (9+(2+3))+10,\ (9+2)+(3+10),\ 9+((2+3)+10),$$
$$9+(2+(3+10)),\ \text{mod}[9\times 2,\,10]\,3,\ (9\times 2-10)\,3,\ ((9+2)+10)+3,\ (9+(2+10))+3,$$
$$(9+2)+(10+3),\ 9+((2+10)+3),\ 9+(2+(10+3)),\ ((9+3)+2)+10,\ (9+(3+2))+10,$$
$$9+\frac{3}{2}\,10,\ (9+3)+(2+10),\ 9+((3+2)+10),\ 9+(3+(2+10)),\ 9+\frac{3}{\frac{2}{10}},\ (9+3)\,\text{mod}[2,\,10],$$
$$(9+\text{mod}[3,\,10])\,2,\ ((9+3)+10)+2,\ (9+(3+10))+2,\ (9+3)+(10+2),\ 9+((3+10)+2),$$
$$9+(3+(10+2)),\ \frac{9}{\frac{3}{10-2}},\ 9+3\times\frac{10}{2},\ 9+\frac{3\times 10}{2},\ \frac{9}{3}\,(10-2),\ ((9+10)+2)+3,\ (9+(10+2))+3,$$
$$9+\frac{10}{2}\,3,\ (9+10)+(2+3),\ 9+((10+2)+3),\ 9+(10+(2+3)),\ 9+\frac{10}{\frac{2}{3}},\ 9\,\frac{10-2}{3},$$
$$\frac{9\,(10-2)}{3},\ (\text{mod}[9,\,10]+3)\,2,\ ((9+10)+3)+2,\ (9+(10+3))+2,\ (9+10)+(3+2),$$
$$9+((10+3)+2),\ 9+(10+(3+2)),\ 9+10\times\frac{3}{2},\ 9+\frac{10\times 3}{2},\ \frac{10-2}{3}\,9,\ \frac{10}{2}\,3+9,\ ((10+2)+3)+9,$$
$$(10+(2+3))+9,\ \frac{10}{\frac{2}{3}}+9,\ (10+2)+(3+9),\ 10+((2+3)+9),\ 10+(2+(3+9)),$$
$$\frac{10-2}{\frac{3}{9}},\ (10+2)\,\text{Log}[3,\,9],\ (10-2)\,\text{mod}[3,\,9],\ \text{mod}[10-2,\,9]\,3,\ (10-\text{mod}[2,\,9])\,3,$$
$$((10+2)+9)+3,\ (10+(2+9))+3,\ (10+2)+(9+3),\ 10+((2+9)+3),\ 10+(2+(9+3)),$$
$$(10-2)\,\frac{9}{3},\ \frac{(10-2)\,9}{3},\ \frac{10+2}{\text{Log}[9,\,3]},\ ((10+3)+2)+9,\ (10+(3+2))+9,\ 10\times\frac{3}{2}+9,$$
$$\frac{10\times 3}{2}+9,\ (10+3)+(2+9),\ 10+((3+2)+9),\ 10+(3+(2+9)),\ (10+\text{Log}[3,\,9])\,2,$$
$$((10+3)+9)+2,\ (10+(3+9))+2,\ (10+3)+(9+2),\ 10+((3+9)+2),\ 10+(3+(9+2)),$$
$$((10+9)+2)+3,\ (10+(9+2))+3,\ (10+9)+(2+3),\ 10+((9+2)+3),\ 10+(9+(2+3)),$$
$$((10+9)+3)+2,\ (10+(9+3))+2,\ (10+9)+(3+2),\ 10+((9+3)+2),\ 10+(9+(3+2))\Big\}\Big\},$$
$$\Big\{\{2,\,3,\,10,\,10\},\ \Big\{2\,(10-3)+10,\ 2^{10}-10^3,\ 3\,\text{mod}[10-2,\,10],\ 3\,(10-\text{mod}[2,\,10]),$$
$$\text{mod}[3,\,10]\,(10-2),\ (10-2)\,\text{mod}[3,\,10],\ 10-2\,(3-10),\ \text{mod}[10-2,\,10]\,3,$$
$$(10-\text{mod}[2,\,10])\,3,\ 10+2\,(10-3),\ (10-3)\,2+10,\ 10-(3-10)\,2,\ 10+(10-3)\,2\Big\}\Big\},$$
$$\Big\{\{2,\,4,\,4,\,4\},\ \Big\{(\text{Log}[2,\,4]+4)\,4,\ (\text{mod}[2,\,4]+4)\,4,\ 2\,((4+4)+4),\ \left(2^4+4\right)+4,\ 2\times 4+4\times 4,$$
$$2\,(4+(4+4)),\ 2^4+(4+4),\ 2\,(4\times 4-4),\ \left(\frac{4}{2}+4\right)4,\ (\text{root}[4,\,2]+4)\,4,\ ((4-2)+4)\,4,$$
$$(4+\text{Log}[2,\,4])\,4,\ (4+\text{mod}[2,\,4])\,4,\ (4-(2-4))\,4,\ \left(4^2+4\right)+4,\ 4\,(\text{Log}[2,\,4]+4),$$
$$4\,(\text{mod}[2,\,4]+4),\ \left(4+2^4\right)+4,\ 4\times 2+4\times 4,\ 4^2+(4+4),\ 4+\left(2^4+4\right),\ \left(4+\frac{4}{2}\right)4,$$
$$(4+\text{root}[4,\,2])\,4,\ (4+(4-2))\,4,\ ((4+4)-2)\,4,\ 4\left(\frac{4}{2}+4\right),\ \left(4+4^2\right)+4,\ 4\,(\text{root}[4,\,2]+4),$$
$$4\,((4-2)+4),\ 4\times 4+2\times 4,\ 4+\left(4^2+4\right),\ 4\,(4+\text{Log}[2,\,4]),\ 4\,(4+\text{mod}[2,\,4]),\ (4+4)+2^4,$$
$$4+\left(4+2^4\right),\ 4\,(4-(2-4)),\ ((4+4)+4)\,2,\ (4+(4+4))\,2,\ (4\times 4-4)\,2,\ 4\times 4+4\times 2,$$

$$4\left(4+\frac{4}{2}\right),\ (4+4)+4^2,\ 4+\left(4+4^2\right),\ 4\ (4+\text{root}[4,\ 2]),\ 4\ (4+(4-2)),\ 4\ ((4+4)-2)\Big\}\Big\},$$

$$\Big\{\{2,\ 4,\ 4,\ 5\},\ \Big\{(2+4)\bmod[4,\ 5],\ (2+\text{mod}[4,\ 5])\ 4,\ (\text{mod}[2,\ 5]+4)\ 4,\ (2\times5-4)\ 4,$$
$$(2+5)\ 4-4,\ 2^5-(4+4),\ \left(2^5-4\right)-4,\ (4+2)\bmod[4,\ 5],\ 4\ (2+\text{mod}[4,\ 5]),\ (4+\text{mod}[2,\ 5])\ 4,$$
$$4\ (\text{mod}[2,\ 5]+4),\ 4\ (2\times5-4),\ 4\ (2+5)-4,\ 4\ (4+\text{mod}[2,\ 5]),\ 4\ (\text{mod}[4,\ 5]+2),$$
$$(4+4)\ (5-2),\ (\text{mod}[4,\ 5]+2)\ 4,\ \text{mod}[4,\ 5]\ (2+4),\ 4\ (5\times2-4),\ 4\ (5+2)-4,$$
$$\text{mod}[4,\ 5]\ (4+2),\ (5\times2-4)\ 4,\ (5-2)\ (4+4),\ (5+2)\ 4-4,\ 5^2-\frac{4}{4},\ 5^2-\text{Log}[4,\ 4]\Big\}\Big\},$$

$$\Big\{\{2,\ 4,\ 4,\ 6\},\ \Big\{\frac{2^4}{4}\ 6,\ \text{Log}[2,\ 4\times4]\ 6,\ (2\times4-4)\ 6,\ (2+4\times4)+6,\ 2+(4\times4+6),\ \frac{2^4}{\frac{4}{6}},$$
$$\text{Log}\left[2,\ (4\times4)^6\right],\ (2+4)\bmod[4,\ 6],\ (2+\text{mod}[4,\ 6])\ 4,\ 2\ (4+6)+4,\ 2^4\ \frac{6}{4},\ \frac{2^4\ 6}{4},$$
$$(\text{mod}[2,\ 6]+4)\ 4,\ 2\ (6+4)+4,\ (2+6)+4\times4,\ 2+(6+4\times4),\ (\text{mod}[4,\ 2]+4)\ 6,\ \frac{4^2}{4}\ 6,$$
$$\text{mod}[4,\ 2\times4]\ 6,\ \text{mod}[4,\ 2+4]\ 6,\ \text{mod}\left[4,\ 2^4\right]\ 6,\ (4\times2-4)\ 6,\ \text{mod}[4,\ 2]+4\times6,\ 4+2\ (4+6),$$
$$\frac{4^2}{\frac{4}{6}},\ (4+2)\bmod[4,\ 6],\ 4\ (2+\text{mod}[4,\ 6]),\ (\text{mod}[4,\ 2]+6)\ 4,\ (4+\text{mod}[2,\ 6])\ 4,$$
$$4\ (\text{mod}[2,\ 6]+4),\ \text{mod}[4,\ 2]+6\times4,\ 4+2\ (6+4),\ 4^2\ \frac{6}{4},\ \frac{4^2\ 6}{4},\ \frac{4+4}{2}\ 6,\ (4+\text{mod}[4,\ 2])\ 6,$$
$$\text{mod}[4,\ 4\times2]\ 6,\ \text{mod}[4,\ 4+2]\ 6,\ \text{mod}\left[4,\ 4^2\right]\ 6,\ \text{root}[4\times4,\ 2]\ 6,\ (4-\text{mod}[4,\ 2])\ 6,$$
$$(4\times4+2)+6,\ 4\ (\text{mod}[4,\ 2]+6),\ 4\times4+(2+6),\ \frac{4+4}{\frac{2}{6}},\ 4\ (4+\text{mod}[2,\ 6]),\ (4\times4+6)+2,$$
$$4\ (\text{mod}[4,\ 6]+2),\ 4+(4+6)\ 2,\ 4\times4+(6+2),\ (4+4)\ \frac{6}{2},\ \frac{(4+4)\ 6}{2},\ (\text{mod}[4,\ 6]+2)\ 4,$$
$$\text{mod}[4,\ 6]\ (2+4),\ (4+6)\ 2+4,\ 4\ \text{mod}[6,\ 2\times4],\ 4\ \text{mod}\left[6,\ 2^4\right],\ \text{mod}[4,\ 6]\ (4+2),\ 4+(6+4)\ 2,$$
$$4\ (6+\text{mod}[4,\ 2]),\ 4\times6+\text{mod}[4,\ 2],\ 4\ \text{mod}[6,\ 4\times2],\ 4\ \text{mod}\left[6,\ 4^2\right],\ 4\ (6-\text{mod}[4,\ 2]),$$
$$4\times6-\text{mod}[4,\ 2],\ \text{mod}[6,\ 2\times4]\ 4,\ \text{mod}\left[6,\ 2^4\right]\ 4,\ \frac{6}{2}\ (4+4),\ (6+2)+4\times4,\ 6+(2+4\times4),\ \frac{6}{\frac{2}{4+4}},$$
$$6\ \frac{2^4}{4},\ \frac{6\times2^4}{4},\ 6\ \text{Log}[2,\ 4\times4],\ 6\ (2\times4-4),\ (6+\text{mod}[4,\ 2])\ 4,\ \text{mod}[6,\ 4\times2]\ 4,\ \text{mod}\left[6,\ 4^2\right]\ 4,$$
$$(6-\text{mod}[4,\ 2])\ 4,\ (6+4)\ 2+4,\ 6\ (\text{mod}[4,\ 2]+4),\ \frac{6}{\frac{4}{2^4}},\ 6\ \frac{4^2}{4},\ \frac{6\times4^2}{4},\ 6\ \text{mod}[4,\ 2\times4],$$
$$6\ \text{mod}[4,\ 2+4],\ 6\ \text{mod}\left[4,\ 2^4\right],\ \frac{6}{4}\ 2^4,\ 6\ (4\times2-4),\ (6+4\times4)+2,\ 6+(4\times4+2),\ \frac{6}{\frac{4}{4^2}},$$
$$\frac{6}{\text{Log}[4\times4,\ 2]},\ 6\ \frac{4+4}{2},\ \frac{6\ (4+4)}{2},\ 6\ (4+\text{mod}[4,\ 2]),\ 6\times4+\text{mod}[4,\ 2],\ 6\ \text{mod}[4,\ 4\times2],$$
$$6\ \text{mod}[4,\ 4+2],\ 6\ \text{mod}\left[4,\ 4^2\right],\ \frac{6}{4}\ 4^2,\ 6\ \text{root}[4\times4,\ 2],\ 6\ (4-\text{mod}[4,\ 2]),\ 6\times4-\text{mod}[4,\ 2]\Big\}\Big\},$$

$$\Big\{\{2,\ 4,\ 4,\ 7\},\ \{(2+4)\bmod[4,\ 7],\ (2+\text{mod}[4,\ 7])\ 4,\ \text{mod}[2+4,\ 7]\ 4,\ (2\times4)\bmod[7,\ 4],$$
$$2\ (4\ \text{mod}[7,\ 4]),\ (2\times4)\ (7-4),\ 2\ (4\ (7-4)),\ (\text{mod}[2,\ 7]+4)\ 4,\ (2\ \text{mod}[7,\ 4])\ 4,$$
$$(2\ (7-4))\ 4,\ 2\ (\text{mod}[7,\ 4]\ 4),\ 2\ ((7-4)\ 4),\ (4+2)\bmod[4,\ 7],\ 4\ (2+\text{mod}[4,\ 7]),$$
$$4\ \text{mod}[2+4,\ 7],\ (4+\text{mod}[2,\ 7])\ 4,\ \text{mod}[4+2,\ 7]\ 4,\ 4\ (\text{mod}[2,\ 7]+4),\ (4\times2)\bmod[7,\ 4],$$
$$4\ (2\ \text{mod}[7,\ 4]),\ 4-(2-7)\ 4,\ (4\times2)\ (7-4),\ 4\ (2\ (7-4)),\ 4\ (4+\text{mod}[2,\ 7]),\ 4\ \text{mod}[4+2,\ 7],$$
$$4-4\ (2-7),\ 4\ (\text{mod}[4,\ 7]+2),\ 4+4\ (7-2),\ (\text{mod}[4,\ 7]+2)\ 4,\ \text{mod}[4,\ 7]\ (2+4),$$

$$4\,(7-2)+4,\ 4+(7-2)\,4,\ (4\bmod[7,4])\,2,\ (4\,(7-4))\,2,\ 4\,(\bmod[7,4]\,2),\ 4\,((7-4)\,2),$$
$$\bmod[4,7]\,(4+2),\ (7-2)\,4+4,\ (\bmod[7,4]\,2)\,4,\ ((7-4)\,2)\,4,\ \bmod[7,4]\,(2\times4),$$
$$(7-4)\,(2\times4),\ (\bmod[7,4]\,4)\,2,\ ((7-4)\,4)\,2,\ \bmod[7,4]\,(4\times2),\ (7-4)\,(4\times2)\}\},$$

$$\left\{\{2,4,4,8\},\left\{\left(2+\frac{4}{4}\right)8,\ \text{Log}[2,4+4]\,8,\ (2+\text{Log}[4,4])\,8,\ \text{Log}[2,4]\,(4+8),\right.\right.$$

$$\bmod[2,4]\,(4+8),\ 2\,(4+4)+8,\ \text{Log}[2,4]^4+8,\ \bmod[2,4]^4+8,\ \text{Log}\left[2,4^{4+8}\right],$$
$$\text{Log}\left[2,(4+4)^8\right],\ 2^4\,\text{Log}[4,8],\ (2+4)\bmod[4,8],\ (2\times4)\,4-8,\ 2\,(4\times4)-8,\ ((2-4)+8)\,4,$$
$$(2+\bmod[4,8])\,4,\ \bmod[2+4,8]\,4,\ (2-(4-8))\,4,\ \text{Log}[2,4]\,(8+4),\ \bmod[2,4]\,(8+4),$$
$$\frac{2^4}{\text{Log}[8,4]},\ \text{Log}\left[2,4^{8+4}\right],\ (2+4)\,(8-4),\ (\bmod[2,8]+4)\,4,\ (2+(8-4))\,4,\ ((2+8)-4)\,4,$$

$$\text{Log}[2,8]\,(4+4),\ (2\times8+4)+4,\ 2\times8+(4+4),\ \text{Log}\left[2,8^{4+4}\right],\ \frac{4}{2}\,(4+8),\ \text{root}[4,2]\,(4+8),$$

$$(4-2)\,(4+8),\ 4^{\text{Log}[2,4]}+8,\ 4^{\bmod[2,4]}+8,\ \left(\frac{4}{2}\right)^4+8,\ \text{root}[4,2]^4+8,\ (4-2)^4+8,$$

$$4\,((2-4)+8),\ \frac{4}{\frac{2}{4+8}},\ 4^2\,\text{Log}[4,8],\ (4+2)\bmod[4,8],\ 4\,(2+\bmod[4,8]),\ 4\bmod[2+4,8],$$

$$4\,(2-(4-8)),\ (4\times2)\,4-8,\ 4\,(2\times4)-8,\ (4+\bmod[2,8])\,4,\ \bmod[4+2,8]\,4,\ \frac{4}{2}\,(8+4),$$

$$\text{root}[4,2]\,(8+4),\ (4-2)\,(8+4),\ (4+2\times8)+4,\ 4\,(\bmod[2,8]+4),\ 4+(2\times8+4),\ \frac{4}{\frac{2}{8+4}},$$

$$\frac{4^2}{\text{Log}[8,4]},\ (4+2)\,(8-4),\ 4\,(2+(8-4)),\ 4\,((2+8)-4),\ \left(\frac{4}{4}+2\right)8,\ (\text{Log}[4,4]+2)\,8,$$

$$(4+4)\,2+8,\ 4^{\frac{4}{2}}+8,\ 4^{\text{root}[4,2]}+8,\ 4^{4-2}+8,\ \text{root}\left[4^4,2\right]+8,\ (4+4)+2\times8,\ 4+(4+2\times8),$$
$$(4+4)\,\text{Log}[2,8],\ 4\,(4+\bmod[2,8]),\ 4\bmod[4+2,8],\ (4\times4)\,2-8,\ 4\,(4\times2)-8,$$
$$4\,(\bmod[4,8]+2),\ (4+4)+8\times2,\ 4+(4+8\times2),\ \frac{4+4}{\text{Log}[8,2]},\ 4\,\frac{4+8}{2},\ \frac{4\,(4+8)}{2},$$

$$(\bmod[4,8]+2)\,4,\ \frac{4+8}{2}\,4,\ \bmod[4,8]\,(2+4),\ (4+8\times2)+4,\ 4+(8\times2+4),\ \frac{4+8}{\frac{2}{4}},$$

$$(4+8)\,\text{Log}[2,4],\ \text{Log}\left[4,8^{2^4}\right],\ (4+8)\bmod[2,4],\ \text{Log}[4,8]\,2^4,\ 4\,(8+(2-4)),$$
$$4\,(8-\text{Log}[2,4]),\ 4\,(8-\bmod[2,4]),\ 4\times8-2\times4,\ 4\,((8+2)-4),\ \bmod[4,8]\,(4+2),$$
$$4\,((8-4)+2),\ (4+8)\,\frac{4}{2},\ \frac{(4+8)\,4}{2},\ 4\,\frac{8+4}{2},\ \frac{4\,(8+4)}{2},\ \frac{4+8}{\text{Log}[4,2]},\ \text{Log}\left[4,8^{4^2}\right],$$

$$\text{Log}[4,8]\,4^2,\ (4+8)\,\text{root}[4,2],\ (4+8)\,(4-2),\ 4\left(8-\frac{4}{2}\right),\ 4\,(8-\text{root}[4,2]),\ 4\,(8-(4-2)),$$
$$4\times8-4\times2,\ (8+(2-4))\,4,\ (8-\text{Log}[2,4])\,4,\ (8-\bmod[2,4])\,4,\ ((8+2)-4)\,4,$$
$$(8\times2+4)+4,\ 8\times2+(4+4),\ 8+2\,(4+4),\ 8\left(2+\frac{4}{4}\right),\ 8\,\text{Log}[2,4+4],\ 8\,(2+\text{Log}[4,4]),$$

$$8+\text{Log}[2,4]^4,\ 8+\bmod[2,4]^4,\ ((8-4)+2)\,4,\ \frac{8+4}{2}\,4,\ \left(8-\frac{4}{2}\right)4,\ (8-\text{root}[4,2])\,4,$$

$$(8-(4-2))\,4,\ (8-4)\,(2+4),\ \frac{8+4}{\frac{2}{4}},\ (8+4)\,\text{Log}[2,4],\ (8+4)\bmod[2,4],\ 8+4^{\text{Log}[2,4]},$$

$$8+4^{\bmod[2,4]},\ 8+\left(\frac{4}{2}\right)^4,\ 8+\text{root}[4,2]^4,\ 8+(4-2)^4,\ 8\times4-2\times4,\ (8-4)\,(4+2),\ 8\left(\frac{4}{4}+2\right),$$

$$8\,(\text{Log}[4,\,4]+2),\ 8+(4+4)\,2,\ (8+4)\,\frac{4}{2},\ \frac{8}{\text{Log}[4+4,\,2]},\ \frac{(8+4)\,4}{2},\ \frac{8+4}{\text{Log}[4,\,2]},\ 8+4^{\frac{4}{2}},$$

$$8+4^{\text{root}[4,2]},\ 8+4^{4-2},\ (8+4)\,\text{root}[4,\,2],\ 8+\text{root}\left[4^4,\,2\right],\ (8+4)\,(4-2),\ 8\times 4-4\times 2\Big\}\Big\},$$

$$\{\{2,\,4,\,4,\,9\},\ \{(2+4)\,\text{mod}[4,\,9],\ (2+\text{mod}[4,\,9])\,4,\ \text{mod}[2+4,\,9]\,4,\ (\text{mod}[2,\,9]+4),$$
$$(4+2)\,\text{mod}[4,\,9],\ 4\,(2+\text{mod}[4,\,9]),\ 4\,\text{mod}[2+4,\,9],\ (4+\text{mod}[2,\,9])\,4,\ \text{mod}[4+2,\,9]\,4,$$
$$4\,(\text{mod}[2,\,9]+4),\ 4\,(4+\text{mod}[2,\,9]),\ 4\,\text{mod}[4+2,\,9],\ 4\,(\text{mod}[4,\,9]+2),\ (4+4)\,\text{root}[9,\,2],$$
$$4\,\text{root}[4\times 9,\,2],\ (\text{mod}[4,\,9]+2)\,4,\ \text{root}[4\times 9,\,2]\,4,\ \text{mod}[4,\,9]\,(2+4),\ 4\,(9-2)-4,$$
$$\text{mod}[4,\,9]\,(4+2),\ 4\,\text{root}[9\times 4,\,2],\ \text{root}[9,\,2]\,(4+4),\ (9-2)\,4-4,\ \text{root}[9\times 4,\,2]\,4\}\},$$

$$\Big\{\{2,\,4,\,4,\,10\},\ \Big\{(2+4)\,\text{mod}[4,\,10],\ (2+\text{mod}[4,\,10])\,4,\ \text{mod}[2+4,\,10]\,4,\ \text{mod}\left[2^4,\,10\right]\,4,$$
$$\left(2^4-10\right)\,4,\ \text{Log}[2,\,4]\,10+4,\ \text{mod}[2,\,4]\,10+4,\ \text{Log}\left[2,\,4^{10}\right]+4,\ 2\,(4+10)-4,$$
$$(\text{mod}[2,\,10]+4)\,4,\ 2\,(10+4)-4,\ 4+\text{Log}[2,\,4]\,10,\ 4+\text{mod}[2,\,4]\,10,\ 4+\text{Log}\left[2,\,4^{10}\right],$$
$$(4+2)\,\text{mod}[4,\,10],\ 4\,(2+\text{mod}[4,\,10]),\ 4\,\text{mod}[2+4,\,10],\ 4\,\text{mod}\left[2^4,\,10\right],\ 4-(2-4)\,10,$$
$$4\,\left(2^4-10\right),\ (4+\text{mod}[2,\,10])\,4,\ \text{mod}[4+2,\,10]\,4,\ \text{mod}\left[4^2,\,10\right]\,4,\ \left(4^2-10\right)\,4,\ \frac{4}{2}\,10+4,$$
$$\text{root}[4,\,2]\,10+4,\ (4-2)\,10+4,\ \frac{4}{\frac{2}{10}}+4,\ 4\,(\text{mod}[2,\,10]+4),\ (4\times 4-2)+10,\ 4+\frac{4}{2}\,10,$$
$$4+\text{root}[4,\,2]\,10,\ 4+(4-2)\,10,\ 4+\frac{4}{\frac{2}{10}},\ 4\,(4+\text{mod}[2,\,10]),\ 4\,\text{mod}[4+2,\,10],\ 4\,\text{mod}\left[4^2,\,10\right],$$
$$4\times 4-(2-10),\ 4\,\left(4^2-10\right),\ 4\,(\text{mod}[4,\,10]+2),\ 4+4\times\frac{10}{2},\ 4+\frac{4\times 10}{2},\ 4\times 4+(10-2),$$
$$(4\times 4+10)-2,\ (\text{mod}[4,\,10]+2)\,4,\ \text{mod}[4,\,10]\,(2+4),\ 4\times\frac{10}{2}+4,\ \frac{4\times 10}{2}+4,\ 4+\frac{10}{2}\,4,$$
$$4+\frac{10}{\frac{2}{4}},\ 4+10\,\text{Log}[2,\,4],\ 4+10\,\text{mod}[2,\,4],\ 4-10\,(2-4),\ (4+10)\,2-4,\ 4\times 10-2^4,$$
$$\text{mod}[4,\,10]\,(4+2),\ 4+10\times\frac{4}{2},\ 4+\frac{10}{\text{Log}[4,\,2]},\ 4+\frac{10\times 4}{2},\ 4+10\,\text{root}[4,\,2],\ 4+10\,(4-2),$$
$$4\times 10-4^2,\ \frac{10}{2}\,4+4,\ \frac{10}{\frac{2}{4}}+4,\ 10\,\text{Log}[2,\,4]+4,\ 10\,\text{mod}[2,\,4]+4,\ (10-2)+4\times 4,$$
$$\frac{10^2-4}{4},\ 10-(2-4\times 4),\ 10\times\frac{4}{2}+4,\ \frac{10}{\text{Log}[4,\,2]}+4,\ \frac{10\times 4}{2}+4,\ 10\,\text{root}[4,\,2]+4,$$
$$10\,(4-2)+4,\ (10+4)\,2-4,\ 10\times 4-2^4,\ 10+(4\times 4-2),\ 10\times 4-4^2,\ (10+4\times 4)-2\Big\}\Big\},$$

$$\Big\{\{2,\,4,\,5,\,5\},\ \Big\{2\,(5+5)+4,\ 4+2\,(5+5),\ 4\,(\text{mod}[5,\,2]+5),\ 4+\left(5^2-5\right),\ \left(4+5^2\right)-5,$$
$$4+(5+5)\,2,\ 4\,(5+\text{mod}[5,\,2]),\ (4-5)+5^2,\ 4-\left(5-5^2\right),\ 5^2+(4-5),\ \left(5^2+4\right)-5,$$
$$(\text{mod}[5,\,2]+5)\,4,\ \left(5^2-5\right)+4,\ 5^2-\text{mod}[5,\,4],\ 5^2-(5-4),\ (5+\text{mod}[5,\,2])\,4,\ (5+5)\,2+4\Big\}\Big\},$$

$$\Big\{\{2,\,4,\,5,\,6\},\ \Big\{2\,(4+5)+6,\ (2+4)\,5-6,\ 2\,(5+4)+6,\ \text{mod}[4,\,2\times 5]\,6,\ \text{mod}[4,\,2+5]\,6,$$
$$(4+2)\,5-6,\ 4-(2-6)\,5,\ \frac{4}{\text{mod}[5,\,2]}\,6,\ \text{mod}[4,\,5\times 2]\,6,\ \text{mod}[4,\,5+2]\,6,\ (4\,\text{mod}[5,\,2])\,6,$$
$$4^{\text{mod}[5,2]}\,6,\ \text{root}[4,\,\text{mod}[5,\,2]]\,6,\ 4\,(\text{mod}[5,\,2]\,6),\ (4+5)\,2+6,\ (4\times 5-2)+6,\ \frac{4}{\frac{\text{mod}[5,2]}{6}},$$
$$4-5\,(2-6),\ 4\times 5-(2-6),\ 4\times 5+(6-2),\ 4+5\,(6-2),\ (4\times 5+6)-2,\ 4+(6-2)\,5,$$
$$4\,\text{mod}[6,\,2\times 5],\ 4\,\text{mod}[6,\,2+5],\ 4\,\frac{6}{\text{mod}[5,\,2]},\ \frac{4\times 6}{\text{mod}[5,\,2]},\ (4\times 6)\,\text{mod}[5,\,2],\ 4\,(6\,\text{mod}[5,\,2]),$$
$$4\,\text{mod}[6,\,5\times 2],\ 4\,\text{mod}[6,\,5+2],\ 4\times 6^{\text{mod}[5,2]},\ (4\times 6)^{\text{mod}[5,2]},\ 4\,\text{root}[6,\,\text{mod}[5,\,2]],$$

$$\text{root}[4\times 6,\ \text{mod}[5,\ 2]],\ (\text{mod}[5,\ 2]\ 4)\ 6,\ \text{mod}[5,\ 2]\ (4\times 6),\ 5\ (2+4)-6,\ (\text{mod}[5,\ 2]\ 6)\ 4,$$
$$\text{mod}[5,\ 2]\ (6\times 4),\ (5+4)\ 2+6,\ (5\times 4-2)+6,\ 5\times 4-(2-6),\ 5\ (4+2)-6,\ 5\times 4+(6-2),$$
$$(5\times 4+6)-2,\ 5\ (6-2)+4,\ 5\times 6-(2+4),\ (5\times 6-2)-4,\ 5\times 6-(4+2),\ (5\times 6-4)-2,$$
$$(6-2)+4\times 5,\ 6+2\ (4+5),\ 6-(2-4\times 5),\ \text{mod}[6,\ 2\times 5]\ 4,\ \text{mod}[6,\ 2+5]\ 4,\ (6-2)\ 5+4,$$
$$(6-2)+5\times 4,\ 6+2\ (5+4),\ 6-(2-5\times 4),\ 6\ \text{mod}[4,\ 2\times 5],\ 6\ \text{mod}[4,\ 2+5],\ 6+(4+5)\ 2,$$
$$6\ \frac{4}{\text{mod}[5,\ 2]},\ \frac{6\times 4}{\text{mod}[5,\ 2]},\ 6\ \text{mod}[4,\ 5\times 2],\ 6\ \text{mod}[4,\ 5+2],\ (6\times 4)\ \text{mod}[5,\ 2],$$
$$6\ (4\ \text{mod}[5,\ 2]),\ 6\times 4^{\text{mod}[5,2]},\ (6\times 4)^{\text{mod}[5,2]},\ 6\ \text{root}[4,\ \text{mod}[5,\ 2]],\ \text{root}[6\times 4,\ \text{mod}[5,\ 2]],$$
$$6+(4\times 5-2),\ (6+4\times 5)-2,\ \frac{6}{\text{mod}[5,\ 2]}\ 4,\ (6\ \text{mod}[5,\ 2])\ 4,\ \text{mod}[6,\ 5\times 2]\ 4,$$
$$\text{mod}[6,\ 5+2]\ 4,\ 6^{\text{mod}[5,2]}\ 4,\ \text{root}[6,\ \text{mod}[5,\ 2]]\ 4,\ 6\ (\text{mod}[5,\ 2]\ 4),\ \frac{6}{\frac{\text{mod}[5,2]}{4}},\ 6\times 5-(2+4),$$
$$(6\times 5-2)-4,\ 6+(5+4)\ 2,\ 6+(5\times 4-2),\ 6\times 5-(4+2),\ (6+5\times 4)-2,\ (6\times 5-4)-2\Big\}\Big\},$$
$$\Big\{\{2,\ 4,\ 5,\ 7\},\ \Big\{\text{Log}[2,\ 4]\ (5+7),\ \text{mod}[2,\ 4]\ (5+7),\ \text{Log}\Big[2,\ 4^{5+7}\Big],\ \text{Log}[2,\ 4]\ (7+5),$$
$$\text{mod}[2,\ 4]\ (7+5),\ \text{Log}\Big[2,\ 4^{7+5}\Big],\ \frac{4}{2}\ (5+7),\ \text{root}[4,\ 2]\ (5+7),\ (4-2)\ (5+7),\ \frac{4}{\frac{2}{5+7}},$$
$$\frac{4}{2}\ (7+5),\ \text{root}[4,\ 2]\ (7+5),\ (4-2)\ (7+5),\ \frac{4}{\frac{2}{7+5}},\ 4\ \frac{5+7}{2},\ \frac{4\ (5+7)}{2},\ 4\ (5+\text{mod}[7,\ 2]),$$
$$4\ (\text{mod}[7,\ 2]+5),\ 4\ \frac{7+5}{2},\ \frac{4\ (7+5)}{2},\ 4\ (7-\text{mod}[5,\ 2]),\ \frac{5+7}{2}\ 4,\ (5+\text{mod}[7,\ 2])\ 4,\ \frac{5+7}{\frac{2}{4}},$$
$$(5+7)\ \text{Log}[2,\ 4],\ (5+7)\ \text{mod}[2,\ 4],\ (5+7)\ \frac{4}{2},\ \frac{(5+7)\ 4}{2},\ \frac{5+7}{\text{Log}[4,\ 2]},\ (5+7)\ \text{root}[4,\ 2],$$
$$(5+7)\ (4-2),\ (\text{mod}[7,\ 2]+5)\ 4,\ \frac{7+5}{2}\ 4,\ (7-\text{mod}[5,\ 2])\ 4,\ \frac{7+5}{\frac{2}{4}},\ (7+5)\ \text{Log}[2,\ 4],$$
$$(7+5)\ \text{mod}[2,\ 4],\ (7+5)\ \frac{4}{2},\ \frac{(7+5)\ 4}{2},\ \frac{7+5}{\text{Log}[4,\ 2]},\ (7+5)\ \text{root}[4,\ 2],\ (7+5)\ (4-2)\Big\}\Big\},$$
$$\Big\{\{2,\ 4,\ 5,\ 8\},\ \Big\{((2-4)+5)\ 8,\ \text{mod}[2\times 4,\ 5]\ 8,\ (2-(4-5))\ 8,\ (2\times 4-5)\ 8,\ 2\ (\text{mod}[4,\ 5]+8),$$
$$2^{\text{mod}[4,5]}+8,\ 2\ (4\times 5-8),\ \text{Log}[2,\ 4]^5-8,\ \text{mod}[2,\ 4]^5-8,\ (2\times 4)\ \text{mod}[8,\ 5],\ 2\ (4\ \text{mod}[8,\ 5]),$$
$$(2\times 4)\ (8-5),\ 2\ (4\ (8-5)),\ (2+\text{mod}[5,\ 4])\ 8,\ \text{mod}[2+5,\ 4]\ 8,\ (2+(5-4))\ 8,\ ((2+5)-4)\ 8,$$
$$\text{mod}[2,\ 5]\ (4+8),\ \text{mod}[2,\ 5]^4+8,\ 2\ (5\times 4-8),\ \text{mod}[2,\ 5]\ (8+4),\ 2\ (8+\text{mod}[4,\ 5]),$$
$$(2\ \text{mod}[8,\ 5])\ 4,\ (2\ (8-5))\ 4,\ 2\ (\text{mod}[8,\ 5]\ 4),\ 2\ ((8-5)\ 4),\ \text{mod}[4\times 2,\ 5]\ 8,\ (4\times 2-5)\ 8,$$
$$4^{\text{mod}[2,5]}+8,\ \left(\frac{4}{2}\right)^5-8,\ \text{root}[4,\ 2]^5-8,\ (4-2)^5-8,\ (4\times 2)\ \text{mod}[8,\ 5],\ 4\ (2\ \text{mod}[8,\ 5]),$$
$$(4\times 2)\ (8-5),\ 4\ (2\ (8-5)),\ \text{root}[4+5,\ 2]\ 8,\ (4-\text{mod}[5,\ 2])\ 8,\ \text{mod}[4,\ 5]^2+8,\ 4+\frac{5}{2}\ 8,$$
$$4+\frac{5}{\frac{2}{8}},\ 4^{\frac{5}{2}}-8,\ \text{root}\Big[4^5,\ 2\Big]-8,\ (\text{mod}[4,\ 5]+8)\ 2,\ (4\times 5-8)\ 2,\ 4\times 5+\frac{8}{2},\ 4+5\times\frac{8}{2},$$
$$4+\frac{5\times 8}{2},\ \text{mod}[4,\ 5]\ (8-2),\ 4+\frac{8}{2}\ 5,\ 4+\frac{8}{\frac{2}{5}},\ (4+8)\ \text{mod}[2,\ 5],\ 4\ (8-\text{mod}[2,\ 5]),$$
$$(4\ \text{mod}[8,\ 5])\ 2,\ (4\ (8-5))\ 2,\ 4\ (\text{mod}[8,\ 5]\ 2),\ 4\ ((8-5)\ 2),\ 4+8\times\frac{5}{2},\ 4+\frac{8\times 5}{2},$$
$$\text{mod}[5+2,\ 4]\ 8,\ \text{mod}[5-2,\ 4]\ 8,\ (5+(2-4))\ 8,\ (5-\text{Log}[2,\ 4])\ 8,\ (5-\text{mod}[2,\ 4])\ 8,$$

$$((5+2)-4)\,8,\ \frac{5}{2}\,8+4,\ \frac{5}{\frac{2}{8}}+4,\ (\text{mod}[5,4]+2)\,8,\ ((5-4)+2)\,8,\ \text{root}[5+4,2]\,8,$$

$$\left(5-\frac{4}{2}\right)\,8,\ (5-\text{root}[4,2])\,8,\ (5-(4-2))\,8,\ (5\times 4-8)\,2,\ 5\times 4+\frac{8}{2},\ 5\times\frac{8}{2}+4,\ \frac{5\times 8}{2}+4,$$

$$5\times 8-2^4,\ 5\times 8-4^2,\ 8\,((2-4)+5),\ \frac{8}{2}+4\times 5,\ (8-2)\,\text{mod}[4,5],\ 8\,\text{mod}[2\times 4,5],$$

$$8+2^{\text{mod}[4,5]},\ 8\,(2-(4-5)),\ 8\,(2\times 4-5),\ (8-\text{mod}[2,5])\,4,\ \frac{8}{2}\,5+4,\ \frac{8}{\frac{2}{5}}+4,\ \frac{8}{2}+5\times 4,$$

$$8\,(2+\text{mod}[5,4]),\ 8\,\text{mod}[2+5,4],\ 8+\text{mod}[2,5]^4,\ 8\,(2+(5-4)),\ 8\,((2+5)-4),$$
$$(8+4)\,\text{mod}[2,5],\ 8\,\text{mod}[4\times 2,5],\ 8+4^{\text{mod}[2,5]},\ 8\,(4\times 2-5),\ (8+\text{mod}[4,5])\,2,$$
$$8+\text{mod}[4,5]^2,\ 8\,\text{root}[4+5,2],\ 8\,(4-\text{mod}[5,2]),\ (\text{mod}[8,5]\,2)\,4,\ ((8-5)\,2)\,4,$$
$$\text{mod}[8,5]\,(2\times 4),\ (8-5)\,(2\times 4),\ 8\times\frac{5}{2}+4,\ \frac{8\times 5}{2}+4,\ 8\,\text{mod}[5+2,4],\ 8\,\text{mod}[5-2,4],$$
$$8\,(5+(2-4)),\ 8\,(5-\text{Log}[2,4]),\ 8\,(5-\text{mod}[2,4]),\ 8\times 5-2^4,\ 8\,((5+2)-4),$$
$$(\text{mod}[8,5]\,4)\,2,\ ((8-5)\,4)\,2,\ \text{mod}[8,5]\,(4\times 2),\ (8-5)\,(4\times 2),\ 8\,(\text{mod}[5,4]+2),$$
$$8\,((5-4)+2),\ 8\,\text{root}[5+4,2],\ 8\left(5-\frac{4}{2}\right),\ 8\,(5-\text{root}[4,2]),\ 8\,(5-(4-2)),\ 8\times 5-4^2\Big\}\Big\},$$

$$\Big\{\{2,4,5,9\},\ \Big\{(2+4)\,\text{mod}[9,5],\ (2+4)\,(9-5),\ ((2-5)+9)\,4,\ (2-(5-9))\,4,\ 2\,(5+9)-4,$$
$$(2+\text{mod}[9,5])\,4,\ (2+(9-5))\,4,\ ((2+9)-5)\,4,\ 2\,(9+5)-4,\ 4\,((2-5)+9),\ 4\,(2-(5-9)),$$
$$(4+2)\,\text{mod}[9,5],\ 4\,(2+\text{mod}[9,5]),\ (4+2)\,(9-5),\ 4\,(2+(9-5)),\ 4\,((2+9)-5),$$
$$4\,(5+\text{mod}[9,2]),\ 4\,(\text{mod}[9,2]+5),\ 4\,(9+(2-5)),\ 4\,((9+2)-5),\ 4\,(\text{mod}[9,5]+2),$$
$$4\,((9-5)+2),\ 4\,(9-(5-2)),\ 5^2-\text{mod}[9,4],\ (5+\text{mod}[9,2])\,4,\ (5+9)\,2-4,\ (\text{mod}[9,2]+5)\,4,$$
$$(9+(2-5))\,4,\ ((9+2)-5)\,4,\ (\text{mod}[9,5]+2)\,4,\ ((9-5)+2)\,4,\ (9-(5-2))\,4,$$
$$\text{mod}[9,5]\,(2+4),\ (9-5)\,(2+4),\ (9+5)\,2-4,\ \text{mod}[9,5]\,(4+2),\ (9-5)\,(4+2)\Big\}\Big\},$$

$$\Big\{\{2,4,5,10\},\ \Big\{(2\times 5+4)+10,\ 2\times 5+(4+10),\ \text{mod}[2,5]\,10+4,\ (2\times 5+10)+4,$$
$$2\times 5+(10+4),\ 2\times 10+\text{mod}[4,5],\ (4+2\times 5)+10,\ 4+\text{mod}[2,5]\,10,\ 4+(2\times 5+10),$$
$$(4+5\times 2)+10,\ \text{mod}[4,5]+2\times 10,\ 4+(5\times 2+10),\ \text{mod}[4,5]+10\times 2,\ (4+10)+2\times 5,$$
$$4+(10+2\times 5),\ 4+\frac{10^2}{5},\ 4+10\,\text{mod}[2,5],\ (4+10)+5\times 2,\ 4+(10+5\times 2),$$
$$(5\times 2+4)+10,\ 5\times 2+(4+10),\ (5\times 2+10)+4,\ 5\times 2+(10+4),\ 10\times 2+\text{mod}[4,5],$$
$$(10+2\times 5)+4,\ \frac{10^2}{5}+4,\ 10\,\text{mod}[2,5]+4,\ 10+(2\times 5+4),\ (10+4)+2\times 5,$$
$$10+(4+2\times 5),\ (10+4)+5\times 2,\ 10+(4+5\times 2),\ (10+5\times 2)+4,\ 10+(5\times 2+4)\Big\}\Big\},$$

$$\Big\{\{2,4,6,6\},\ \Big\{((2-4)+6)\,6,\ \text{mod}\left[2^4,6\right]\,6,\ (2-(4-6))\,6,\ \text{Log}[2,4]\,(6+6),$$
$$\text{mod}[2,4]\,(6+6),\ \text{Log}\left[2,4^{6+6}\right],\ (2\,\text{mod}[6,4])\,6,\ (2+\text{mod}[6,4])\,6,\ 2^{\text{mod}[6,4]}\,6,\ 2^{6-4}\,6,$$
$$(2\,(6-4))\,6,\ (2+(6-4))\,6,\ ((2+6)-4)\,6,\ 2\,(\text{mod}[6,4]\,6),\ 2\,((6-4)\,6),\ (2\times 6-6)\,4,$$
$$(2\times 6)\,\text{mod}[6,4],\ 2\,(6\,\text{mod}[6,4]),\ (2\times 6)\,(6-4),\ 2\,(6\,(6-4)),\ \text{mod}[4,2\times 6]\,6,$$
$$\text{mod}[4,2+6]\,6,\ \text{mod}\left[4^2,6\right]\,6,\ \frac{4}{2}\,(6+6),\ \text{root}[4,2]\,(6+6),\ (4-2)\,(6+6),\ \frac{4}{\frac{2}{6+6}},$$
$$4\,(2\times 6-6),\ \text{mod}[4,6\times 2]\,6,\ \text{mod}[4,6+2]\,6,\ (4+\text{mod}[6,2])\,6,\ (4-\text{mod}[6,2])\,6,$$
$$4\,(\text{mod}[6,2]+6),\ 4\,\frac{6^2}{6},\ \frac{4\times 6^2}{6},\ 4\,\text{mod}[6,2\times 6],\ 4\,\text{mod}[6,2+6],\ 4\,(6\times 2-6),\ \frac{4}{\frac{6}{6^2}},\ 4\,\frac{6+6}{2},$$
$$\frac{4\,(6+6)}{2},\ 4\,(6+\text{mod}[6,2]),\ 4\times 6+\text{mod}[6,2],\ 4\,\text{mod}[6,6\times 2],\ 4\,\text{mod}[6,6+2],\ \frac{4}{6}\,6^2,$$
$$4\,\text{root}[6\times 6,2],\ 4\,(6-\text{mod}[6,2]),\ 4\times 6-\text{mod}[6,2],\ (\text{mod}[6,2]+4)\,6,\ (6+(2-4))\,6,$$
$$(6-\text{Log}[2,4])\,6,\ (6-\text{mod}[2,4])\,6,\ ((6+2)-4)\,6,\ 6\,((2-4)+6),\ \text{mod}[6,2]+4\times 6,$$

$$6^2\,\frac{4}{6},\ \frac{6}{2^{4-6}},\ \frac{6^2\,4}{6},\ 6\bmod\left[2^4,\ 6\right],\ 6\,(2-(4-6)),\ (\mathrm{mod}[6,\ 2]+6)\,4,\ \frac{6^2}{6}\,4,\ \mathrm{mod}[6,\ 2\times 6]\,4,$$

$$\mathrm{mod}[6,\ 2+6]\,4,\ (6\times 2-6)\,4,\ \mathrm{mod}[6,\ 2]+6\times 4,\ \frac{6^2}{\frac{6}{4}},\ (6\times 2)\bmod[6,\ 4],\ 6\,(2\bmod[6,\ 4]),$$

$$6\,(2+\mathrm{mod}[6,\ 4]),\ 6\times 2^{\mathrm{mod}[6,4]},\ 6\times 2^{6-4},\ (6\times 2)\,(6-4),\ 6\,(2\,(6-4)),\ 6\,(2+(6-4)),$$
$$6\,((2+6)-4),\ (\mathrm{mod}[6,\ 4]\ 2)\ 6,\ ((6-4)\ 2)\ 6,\ (\mathrm{mod}[6,\ 4]+2)\ 6,\ ((6-4)+2)\ 6,$$

$$\mathrm{mod}[6,\ 4]^2\ 6,\ (6-4)^2\ 6,\ \left(6-\frac{4}{2}\right)\ 6,\ (6-\mathrm{root}[4,\ 2])\ 6,\ (6-(4-2))\ 6,\ \mathrm{mod}[6,\ 4]\ (2\times 6),$$

$$(6-4)\ (2\times 6),\ 6\bmod[4,\ 2\times 6],\ 6\bmod[4,\ 2+6],\ 6\bmod\left[4^2,\ 6\right],\ (\mathrm{mod}[6,\ 4]\ 6)\ 2,\ ((6-4)\ 6)\ 2,$$
$$\mathrm{mod}[6,\ 4]\ (6\times 2),\ (6-4)\ (6\times 2),\ 6\bmod[4,\ 6\times 2],\ 6\bmod[4,\ 6+2],\ 6\,(4+\mathrm{mod}[6,\ 2]),$$

$$6\times 4+\mathrm{mod}[6,\ 2],\ 6\,(4-\mathrm{mod}[6,\ 2]),\ 6\times 4-\mathrm{mod}[6,\ 2],\ \frac{6+6}{2}\,4,\ (6+\mathrm{mod}[6,\ 2])\,4,$$

$$\mathrm{mod}[6,\ 6\times 2]\,4,\ \mathrm{mod}[6,\ 6+2]\,4,\ \mathrm{root}[6\times 6,\ 2]\,4,\ (6-\mathrm{mod}[6,\ 2])\,4,\ 6\,(\mathrm{mod}[6,\ 2]+4),\ \frac{6+6}{\frac{2}{4}},$$

$$(6+6)\,\mathrm{Log}[2,\ 4],\ (6+6)\,\mathrm{mod}[2,\ 4],\ 6\,(6+(2-4)),\ 6\,(6-\mathrm{Log}[2,\ 4]),\ 6\,(6-\mathrm{mod}[2,\ 4]),$$
$$6\,((6+2)-4),\ (6\,\mathrm{mod}[6,\ 4])\ 2,\ (6\,(6-4))\ 2,\ 6\,(\mathrm{mod}[6,\ 4]\ 2),\ 6\,((6-4)\ 2),$$

$$6\,(\mathrm{mod}[6,\ 4]+2),\ 6\,((6-4)+2),\ (6+6)\,\frac{4}{2},\ \frac{(6+6)\,4}{2},\ \frac{6+6}{\mathrm{Log}[4,\ 2]},\ 6\,\mathrm{mod}[6,\ 4]^2,\ 6\,(6-4)^2,$$

$$(6+6)\,\mathrm{root}[4,\ 2],\ (6+6)\,(4-2),\ 6\left(6-\frac{4}{2}\right),\ 6\,(6-\mathrm{root}[4,\ 2]),\ 6\,(6-(4-2))\Big\}\Big\},$$

$$\Big\{\{2,\ 4,\ 6,\ 7\},\ \Big\{2+(4\times 7-6),\ (2+4\times 7)-6,\ (2-6)+4\times 7,\ 2-(6-4\times 7),\ (2-6)+7\times 4,$$
$$(2+6)\,\mathrm{mod}[7,\ 4],\ 2-(6-7\times 4),\ (2+6)\,(7-4),\ (2\times 7+4)+6,\ 2\times 7+(4+6),\ 2+(7\times 4-6),$$
$$(2+7\times 4)-6,\ (2\times 7+6)+4,\ 2\times 7+(6+4),\ \mathrm{mod}[4,\ 2\times 7]\ 6,\ \mathrm{mod}[4,\ 2+7]\ 6,\ (4+2\times 7)+6,$$
$$4+(2\times 7+6),\ (4+6)+2\times 7,\ 4+(6+2\times 7),\ 4\,\mathrm{mod}[6,\ 2\times 7],\ 4\,\mathrm{mod}[6,\ 2+7],\ (4+6)+7\times 2,$$
$$4+(6+7\times 2),\ 4\,\frac{6}{\mathrm{mod}[7,\ 2]},\ \frac{4\times 6}{\mathrm{mod}[7,\ 2]},\ 4\,\mathrm{mod}[6,\ 7\times 2],\ 4\,\mathrm{mod}[6,\ 7+2],\ (4\times 6)\,\mathrm{mod}[7,\ 2],$$
$$4\,(6\,\mathrm{mod}[7,\ 2]),\ 4\times 6^{\mathrm{mod}[7,2]},\ (4\times 6)^{\mathrm{mod}[7,2]},\ 4\,\mathrm{root}[6,\ \mathrm{mod}[7,\ 2]],\ \mathrm{root}[4\times 6,\ \mathrm{mod}[7,\ 2]],$$
$$\frac{4}{\mathrm{mod}[7,\ 2]}\ 6,\ \mathrm{mod}[4,\ 7\times 2]\ 6,\ \mathrm{mod}[4,\ 7+2]\ 6,\ \mathrm{mod}[4,\ 7-2]\ 6,\ (4\,\mathrm{mod}[7,\ 2])\ 6,$$
$$4^{\mathrm{mod}[7,2]}\ 6,\ \mathrm{root}[4,\ \mathrm{mod}[7,\ 2]]\ 6,\ 4\,(\mathrm{mod}[7,\ 2]\ 6),\ (4+7\times 2)+6,\ 4+(7\times 2+6),$$
$$\frac{4}{\frac{\mathrm{mod}[7,2]}{6}},\ 4\times 7+(2-6),\ (4\times 7+2)-6,\ (4\times 7-6)+2,\ 4\times 7-(6-2),\ \mathrm{mod}[6,\ 2\times 7]\ 4,$$

$$\mathrm{mod}[6,\ 2+7]\,4,\ (6+2\times 7)+4,\ 6+(2\times 7+4),\ \frac{6}{2-\frac{7}{4}},\ (6+2)\,\mathrm{mod}[7,\ 4],\ (6+2)\,(7-4),$$

$$(6-2)\,7-4,\ (6+4)+2\times 7,\ 6+(4+2\times 7),\ 6\,\mathrm{mod}[4,\ 2\times 7],\ 6\,\mathrm{mod}[4,\ 2+7],\ (6+4)+7\times 2,$$
$$6+(4+7\times 2),\ 6\,\frac{4}{\mathrm{mod}[7,\ 2]},\ \frac{6\times 4}{\mathrm{mod}[7,\ 2]},\ 6\,\mathrm{mod}[4,\ 7\times 2],\ 6\,\mathrm{mod}[4,\ 7+2],\ 6\,\mathrm{mod}[4,\ 7-2],$$
$$(6\times 4)\,\mathrm{mod}[7,\ 2],\ 6\,(4\,\mathrm{mod}[7,\ 2]),\ 6\times 4^{\mathrm{mod}[7,2]},\ (6\times 4)^{\mathrm{mod}[7,2]},\ 6\,\mathrm{root}[4,\ \mathrm{mod}[7,\ 2]],$$
$$\mathrm{root}[6\times 4,\ \mathrm{mod}[7,\ 2]],\ \frac{6}{\mathrm{mod}[7,\ 2]}\,4,\ \mathrm{mod}[6,\ 7\times 2]\,4,\ \mathrm{mod}[6,\ 7+2]\,4,\ (6\,\mathrm{mod}[7,\ 2])\,4,$$

$$6^{\mathrm{mod}[7,2]}\,4,\ \mathrm{root}[6,\ \mathrm{mod}[7,\ 2]]\,4,\ 6\,(\mathrm{mod}[7,\ 2]\,4),\ (6+7\times 2)+4,\ 6+(7\times 2+4),\ \frac{6}{\frac{\mathrm{mod}[7,2]}{4}},$$

$$(\mathrm{mod}[7,\ 2]\,4)\ 6,\ \mathrm{mod}[7,\ 2]\ (4\times 6),\ (7\times 2+4)+6,\ 7\times 2+(4+6),\ (\mathrm{mod}[7,\ 2]\ 6)\ 4,$$
$$\mathrm{mod}[7,\ 2]\ (6\times 4),\ (7\times 2+6)+4,\ 7\times 2+(6+4),\ \mathrm{mod}[7,\ 4]\ (2+6),\ (7-4)\ (2+6),\ 7\times 4+(2-6),$$
$$(7\times 4+2)-6,\ \mathrm{mod}[7,\ 4]\ (6+2),\ (7-4)\ (6+2),\ (7\times 4-6)+2,\ 7\times 4-(6-2),\ 7\,(6-2)-4\Big\}\Big\},$$

$$\left\{\{2, 4, 6, 8\}, \left\{\left(\frac{2}{4}\,6\right)\,8,\ \frac{2}{\frac{4}{6}}\,8,\ \frac{2}{4}\,(6\times 8),\ 2\,(\text{mod}[4, 6] + 8),\ 2^{\text{mod}[4,6]} + 8,\ \frac{2}{\frac{4}{6\times 8}},\ \frac{2}{\frac{4}{\frac{6}{8}}},\right.\right.$$

$$\left(\frac{2}{4}\,8\right)\,6,\ \frac{2}{\frac{4}{8}}\,6,\ \text{root}[2, 4]^8\,6,\ \frac{2}{4}\,(8\times 6),\ \frac{2}{\frac{4}{8\times 6}},\ \frac{2}{\frac{4}{\frac{8}{6}}},\ \left(2\times\frac{6}{4}\right)\,8,\ \frac{2\times 6}{4}\,8,\ 2\left(\frac{6}{4}\,8\right),$$

$$\text{mod}[2, 6]\,(4 + 8),\ (2\times 6 + 4) + 8,\ \frac{2^6}{4} + 8,\ \text{mod}[2, 6]^4 + 8,\ 2\times 6 + (4 + 8),\ 2\,\frac{6}{\frac{4}{8}},\ \frac{2\times 6}{\frac{4}{8}},$$

$$(2 + 6)\,4 - 8,\ \text{mod}[2, 6]\,(8 + 4),\ (2\times 6 + 8) + 4,\ 2\times 6 + (8 + 4),\ (2\times 6)\,\frac{8}{4},\ 2\left(6\times\frac{8}{4}\right),\ 2\,\frac{6\times 8}{4},$$

$$\frac{(2\times 6)\,8}{4},\ \frac{2\,(6\times 8)}{4},\ 2\,(6 + 8) - 4,\ \left(2\times\frac{8}{4}\right)\,6,\ \left(2 + \frac{8}{4}\right)\,6,\ \frac{2\times 8}{4}\,6,\ 2^{\frac{8}{4}}\,6,\ \text{root}\left[2^8, 4\right]\,6,$$

$$2\left(\frac{8}{4}\,6\right),\ 2\,\frac{8}{\frac{4}{6}},\ \frac{2\times 8}{\frac{4}{6}},\ 2\,(8 + \text{mod}[4, 6]),\ (2\times 8)\,\frac{6}{4},\ 2\left(8\times\frac{6}{4}\right),\ 2\,\frac{8\times 6}{4},\ \frac{(2\times 8)\,6}{4},\ \frac{2\,(8\times 6)}{4},$$

$$2\,(8 + 6) - 4,\ (\text{Log}[4, 2]\,6)\,8,\ \text{Log}\left[4, 2^6\right]\,8,\ \text{Log}[4, 2]\,(6\times 8),\ (4 + 2\times 6) + 8,\ 4^{\text{mod}[2,6]} + 8,$$

$$4 + (2\times 6 + 8),\ \text{Log}\left[4, \left(2^6\right)^8\right],\ 4\,(2 + 6) - 8,\ (\text{Log}[4, 2]\,8)\,6,\ \text{Log}\left[4, 2^8\right]\,6,\ \text{mod}[4, 2\times 8]\,6,$$

$$\text{mod}[4, 2 + 8]\,6,\ \text{Log}[4, 2]\,(8\times 6),\ \text{Log}\left[4, \left(2^8\right)^6\right],\ \text{Log}[\text{root}[4, 6], 2]\,8,\ (4 + 6\times 2) + 8,$$

$$\text{mod}[4, 6]^2 + 8,\ 4\,(6 - 2) + 8,\ 4 + (6\times 2 + 8),\ 4\,\text{mod}[6, 2\times 8],\ 4\,\text{mod}[6, 2 + 8],\ 4\,(6 + 2) - 8,$$

$$(\text{mod}[4, 6] + 8)\,2,\ 4\,\text{mod}[6, 8\times 2],\ 4\,\text{mod}[6, 8 + 2],\ 4\,(6 + \text{mod}[8, 2]),\ 4\times 6 + \text{mod}[8, 2],$$

$$4\,(6 - \text{mod}[8, 2]),\ \text{mod}[4, 6]\,(8 - 2),\ 4\times 6 - \text{mod}[8, 2],\ \text{Log}[\text{root}[4, 8], 2]\,6,\ \text{mod}[4, 8\times 2]\,6,$$

$$\text{mod}[4, 8 + 2]\,6,\ \text{mod}[4, 8 - 2]\,6,\ (4 + \text{mod}[8, 2])\,6,\ (4 - \text{mod}[8, 2])\,6,\ 4\,(\text{mod}[8, 2] + 6),$$

$$(4 + 8) + 2\times 6,\ 4 + (8 + 2\times 6),\ \frac{(4 + 8)^2}{6},\ (4 + 8)\,\text{mod}[2, 6],\ 4\,(8 - \text{mod}[2, 6]),\ 4\times 8 - (2 + 6),$$

$$(4\times 8 - 2) - 6,\ (4 + 8) + 6\times 2,\ 4 + (8 + 6\times 2),\ 4\times 8 - (6 + 2),\ (4\times 8 - 6) - 2,\ \left(6\times\frac{2}{4}\right)\,8,$$

$$\frac{6}{\text{Log}[2, 4]}\,8,\ \frac{6}{\text{mod}[2, 4]}\,8,\ \frac{6\times 2}{4}\,8,\ \text{mod}\left[\frac{6}{2}, 4\right]\,8,\ 6\left(\frac{2}{4}\,8\right),\ (6 - 2)\,4 + 8,\ (6\times 2 + 4) + 8,$$

$$6\times 2 + (4 + 8),\ 6\,\frac{2}{\frac{4}{8}},\ \frac{6}{\frac{\text{Log}[2,4]}{8}},\ \frac{6}{\frac{\text{mod}[2,4]}{8}},\ \frac{6}{\text{Log}[2, \text{root}[4, 8]]},\ \frac{6\times 2}{\frac{4}{8}},\ \frac{6^2}{\text{Log}[4, 8]},$$

$$6\,\text{root}[2, 4]^8,\ (6 + 2)\,4 - 8,\ 6^2 - (4 + 8),\ \left(6^2 - 4\right) - 8,\ \text{mod}[6, 2\times 8]\,4,\ \text{mod}[6, 2 + 8]\,4,$$

$$(6\times 2 + 8) + 4,\ 6\times 2 + (8 + 4),\ \frac{6}{\text{Log}\left[2^8, 4\right]},\ (6\times 2)\,\frac{8}{4},\ 6\left(2\times\frac{8}{4}\right),\ 6\left(2 + \frac{8}{4}\right),\ 6\,\frac{2\times 8}{4},$$

$$\frac{(6\times 2)\,8}{4},\ \frac{6\,(2\times 8)}{4},\ 6^2\,\text{Log}[8, 4],\ 6\times 2^{\frac{8}{4}},\ 6\,\text{root}\left[2^8, 4\right],\ 6^2 - (8 + 4),\ \left(6^2 - 8\right) - 4,$$

$$\left(\frac{6}{4}\,2\right)\,8,\ \frac{6}{\frac{4}{2}}\,8,\ \frac{6}{\text{root}[4, 2]}\,8,\ \frac{6}{4 - 2}\,8,\ (6\,\text{Log}[4, 2])\,8,\ \frac{6}{4}\,(2\times 8),\ 6\,(\text{Log}[4, 2]\,8),$$

$$\frac{6}{\frac{4}{2\times 8}},\ \frac{6}{\frac{4}{\frac{2}{8}}},\ \frac{6}{\frac{\text{root}[4,2]}{8}},\ \frac{6}{\frac{4-2}{8}},\ 6\,\text{Log}\left[4, 2^8\right],\ 6\,\text{mod}[4, 2\times 8],\ 6\,\text{mod}[4, 2 + 8],\ \left(\frac{6}{4}\,8\right)\,2,\ \frac{6}{\frac{4}{8}}\,2,$$

$$\frac{6}{4}\,(8\times 2),\ \frac{6}{\frac{4}{8\times 2}},\ \frac{6}{\frac{4}{\frac{8}{2}}},\ \frac{6}{\left(\frac{4}{8}\right)^2},\ 6\,\text{Log}[\text{root}[4, 8], 2],\ 6\,\text{mod}[4, 8\times 2],\ 6\,\text{mod}[4, 8 + 2],$$

$$6\,\text{mod}[4, 8 - 2],\ 6\,(4 + \text{mod}[8, 2]),\ 6\times 4 + \text{mod}[8, 2],\ 6\,(4 - \text{mod}[8, 2]),\ 6\times 4 - \text{mod}[8, 2],$$

$$\text{mod}[6, 8\times 2]\,4,\ \text{mod}[6, 8 + 2]\,4,\ (6 + \text{mod}[8, 2])\,4,\ (6 - \text{mod}[8, 2])\,4,\ 6\,(\text{mod}[8, 2] + 4),$$

$$(6\times 8)\ \frac{2}{4},\ 6\left(8\times\frac{2}{4}\right),\ 6\ \frac{8}{\text{Log}[2,\ 4]},\ 6\ \frac{8}{\text{mod}[2,\ 4]},\ 6\ \frac{8\times 2}{4},\ \frac{(6\times 8)\ 2}{4},\ \frac{6\times 8}{\text{Log}[2,\ 4]},$$

$$\frac{6\times 8}{\text{mod}[2,\ 4]},\ \frac{6\ (8\times 2)}{4},\ (6+8)\ 2-4,\ \left(6\times\frac{8}{4}\right)\ 2,\ \frac{6\times 8}{4}\ 2,\ 6\left(\frac{8}{4}\ 2\right),\ 6\left(\frac{8}{4}+2\right),\ 6\ \frac{8}{\frac{4}{2}},$$

$$6\ \frac{8}{\text{root}[4,\ 2]},\ 6\ \frac{8}{4-2},\ \frac{6\times 8}{\frac{4}{2}},\ \frac{6\times 8}{\text{root}[4,\ 2]},\ \frac{6\times 8}{4-2},\ (6\times 8)\ \text{Log}[4,\ 2],\ 6\ (8\ \text{Log}[4,\ 2]),$$

$$6\left(\frac{8}{4}\right)^2,\ (\text{mod}[8,\ 2]+4)\ 6,\ \left(8\times\frac{2}{4}\right)\ 6,\ \frac{8}{\text{Log}[2,\ 4]}\ 6,\ \frac{8}{\text{mod}[2,\ 4]}\ 6,\ \frac{8\times 2}{4}\ 6,\ 8\left(\frac{2}{4}\ 6\right),$$

$$\text{mod}[8,\ 2]+4\times 6,\ 8\ \frac{2}{\frac{4}{6}},\ \frac{8}{\frac{\text{Log}[2,4]}{6}},\ \frac{8}{\frac{\text{mod}[2,4]}{6}},\ \frac{8}{\text{Log}[2,\ \text{root}[4,\ 6]]},\ \frac{8\times 2}{\frac{4}{6}},\ (8-2)\ \text{mod}[4,\ 6],$$

$$8+2^{\text{mod}[4,6]},\ (\text{mod}[8,\ 2]+6)\ 4,\ (8-\text{mod}[2,\ 6])\ 4,\ (8+2\times 6)+4,\ \text{mod}[8,\ 2]+6\times 4,$$

$$8+(2\times 6+4),\ (8\times 2)\ \frac{6}{4},\ 8\left(2\times\frac{6}{4}\right),\ \frac{8}{\text{Log}\left[2^6,\ 4\right]},\ 8\ \frac{2\times 6}{4},\ \frac{(8\times 2)\ 6}{4},\ \frac{8\ (2\times 6)}{4},$$

$$8+\frac{2^6}{4},\ 8+\text{mod}[2,\ 6]^4,\ 8-(2-6)\ 4,\ \left(\frac{8}{4}\ 2\right)\ 6,\ \left(\frac{8}{4}+2\right)\ 6,\ \frac{8}{\frac{4}{2}}\ 6,\ \frac{8}{\text{root}[4,\ 2]}\ 6,\ \frac{8}{4-2}\ 6,$$

$$(8\ \text{Log}[4,\ 2])\ 6,\ \left(\frac{8}{4}\right)^2\ 6,\ \frac{8}{4}\ (2\times 6),\ 8\ (\text{Log}[4,\ 2]\ 6),\ (8+4)+2\times 6,\ 8+(4+2\times 6),$$

$$\frac{8}{\frac{4}{2\times 6}},\ \frac{8}{\frac{\frac{4}{2}}{6}},\ \frac{8}{\frac{\text{root}[4,2]}{6}},\ \frac{8}{\frac{4-2}{6}},\ \frac{(8+4)^2}{6},\ 8\ \text{Log}\left[4,\ 2^6\right],\ (8+4)\ \text{mod}[2,\ 6],\ 8+4^{\text{mod}[2,6]},$$

$$8-4\ (2-6),\ 8\times 4-(2+6),\ (8\times 4-2)-6,\ \left(\frac{8}{4}\ 6\right)\ 2,\ \frac{8}{\frac{4}{6}}\ 2,\ (8+\text{mod}[4,\ 6])\ 2,\ \frac{8}{4}\ (6\times 2),$$

$$(8+4)+6\times 2,\ 8+(4+6\times 2),\ \frac{8}{\frac{4}{6\times 2}},\ \frac{8}{\frac{\frac{4}{6}}{2}},\ 8\ \text{Log}[\text{root}[4,\ 6],\ 2],\ \text{Log}[8,\ 4]\ 6^2,\ 8+\text{mod}[4,\ 6]^2,$$

$$8+4\ (6-2),\ 8\times 4-(6+2),\ (8\times 4-6)-2,\ (8+6\times 2)+4,\ 8+(6-2)\ 4,\ 8+(6\times 2+4),$$

$$(8\times 6)\ \frac{2}{4},\ 8\left(6\times\frac{2}{4}\right),\ 8\ \frac{6}{\text{Log}[2,\ 4]},\ 8\ \frac{6}{\text{mod}[2,\ 4]},\ 8\ \frac{6\times 2}{4},\ \frac{(8\times 6)\ 2}{4},\ \frac{8\times 6}{\text{Log}[2,\ 4]},$$

$$\frac{8\times 6}{\text{mod}[2,\ 4]},\ \frac{8\ (6\times 2)}{4},\ 8\ \text{mod}\left[\frac{6}{2},\ 4\right],\ (8+6)\ 2-4,\ \left(8\times\frac{6}{4}\right)\ 2,\ \frac{8\times 6}{4}\ 2,\ 8\left(\frac{6}{4}\ 2\right),\ 8\ \frac{6}{\frac{4}{2}},$$

$$8\ \frac{6}{\text{root}[4,\ 2]},\ 8\ \frac{6}{4-2},\ \frac{8\times 6}{\frac{4}{2}},\ \frac{8\times 6}{\text{root}[4,\ 2]},\ \frac{8\times 6}{4-2},\ (8\times 6)\ \text{Log}[4,\ 2],\ 8\ (6\ \text{Log}[4,\ 2])\Big\}\Big\},$$

$$\left\{\{2,\ 4,\ 6,\ 9\},\ \left\{\left(2+\frac{4}{6}\right)\ 9,\ \frac{2^4}{6}\ 9,\ \frac{2^4}{\frac{6}{9}},\ \text{Log}[2,\ 4]\ 9+6,\ \text{mod}[2,\ 4]\ 9+6,\ \text{Log}\left[2,\ 4^9\right]+6,\ 2^4\ \frac{9}{6},\right.\right.$$

$$\frac{2^4\ 9}{6},\ (2\times 4)\ \text{mod}[9,\ 6],\ 2\ (4\ \text{mod}[9,\ 6]),\ (2\times 4)\ (9-6),\ 2\ (4\ (9-6)),\ (2\ \text{mod}[9,\ 6])\ 4,$$

$$(2\ (9-6))\ 4,\ 2\ (\text{mod}[9,\ 6]\ 4),\ 2\ ((9-6)\ 4),\ \frac{4^2}{6}\ 9,\ \frac{4^2}{\frac{6}{9}},\ \text{mod}[4,\ 2+9]\ 6,\ \frac{4}{2}\ 9+6,$$

$$\text{root}[4,\,2]\;9+6,\;(4-2)\;9+6,\;\frac{4}{\frac{2}{9}}+6,\;4^2\;\frac{9}{6},\;\frac{4^2\;9}{6},\;(4\times 2)\;\text{mod}[9,\,6],\;4\;(2\;\text{mod}[9,\,6]),$$

$$(4\times 2)\;(9-6),\;4\;(2\;(9-6)),\;\left(\frac{4}{6}+2\right)\;9,\;4\;\text{mod}[6,\,2+9],\;4\;\frac{6}{\text{mod}[9,\,2]},\;\frac{4\times 6}{\text{mod}[9,\,2]},$$

$$4\;\text{mod}[6,\,9+2],\;4\;\text{mod}[6,\,9-2],\;(4\times 6)\;\text{mod}[9,\,2],\;4\;(6\;\text{mod}[9,\,2]),\;4\times 6^{\text{mod}[9,2]},$$

$$(4\times 6)^{\text{mod}[9,2]},\;4\;\text{root}[6,\,\text{mod}[9,\,2]],\;\text{root}[4\times 6,\,\text{mod}[9,\,2]],\;\frac{4}{\text{mod}[9,\,2]}\;6,\;\text{mod}[4,\,9+2]\;6,$$

$$\text{mod}[4,\,9-2]\;6,\;(4\;\text{mod}[9,\,2])\;6,\;4^{\text{mod}[9,2]}\;6,\;\text{root}[4,\,\text{mod}[9,\,2]]\;6,\;4\;(\text{mod}[9,\,2]\;6),$$

$$4\times\frac{9}{2}+6,\;\frac{4\times 9}{2}+6,\;\frac{4}{\frac{\text{mod}[9,2]}{6}},\;4\times 9-2\times 6,\;(4\;\text{mod}[9,\,6])\;2,\;(4\;(9-6))\;2,\;4\;(\text{mod}[9,\,6]\;2),$$

$$4\;((9-6)\;2),\;4\;\left(9-\frac{6}{2}\right),\;4\times 9-6\times 2,\;6+\text{Log}[2,\,4]\;9,\;6+\text{mod}[2,\,4]\;9,\;6+\text{Log}\left[2,\,4^9\right],$$

$$6-(2-4)\;9,\;\text{mod}[6,\,2+9]\;4,\;6+\frac{4}{2}\;9,\;6+\text{root}[4,\,2]\;9,\;6+(4-2)\;9,\;6+\frac{4}{\frac{2}{9}},\;6\;\text{mod}[4,\,2+9],$$

$$6\;\frac{4}{\text{mod}[9,\,2]},\;6+4\times\frac{9}{2},\;\frac{6\times 4}{\text{mod}[9,\,2]},\;6+\frac{4\times 9}{2},\;6\;\text{mod}[4,\,9+2],\;6\;\text{mod}[4,\,9-2],$$

$$(6\times 4)\;\text{mod}[9,\,2],\;6\;(4\;\text{mod}[9,\,2]),\;6\times 4^{\text{mod}[9,2]},\;(6\times 4)^{\text{mod}[9,2]},\;6\;\text{root}[4,\,\text{mod}[9,\,2]],$$

$$\text{root}[6\times 4,\,\text{mod}[9,\,2]],\;\frac{6}{\text{mod}[9,\,2]}\;4,\;\text{mod}[6,\,9+2]\;4,\;\text{mod}[6,\,9-2]\;4,\;(6\;\text{mod}[9,\,2])\;4,$$

$$6^{\text{mod}[9,2]}\;4,\;\text{root}[6,\,\text{mod}[9,\,2]]\;4,\;6\;(\text{mod}[9,\,2]\;4),\;6+\frac{9}{2}\;4,\;\frac{6}{\frac{\text{mod}[9,2]}{4}},\;6+\frac{9}{\frac{2}{4}},\;6+9\;\text{Log}[2,\,4],$$

$$6+9\;\text{mod}[2,\,4],\;6-9\;(2-4),\;6+9\times\frac{4}{2},\;\frac{6}{\frac{9}{4}-2},\;6+\frac{9}{\text{Log}[4,\,2]},\;6+\frac{9\times 4}{2},\;6+9\;\text{root}[4,\,2],$$

$$6+9\;(4-2),\;(\text{mod}[9,\,2]\;4)\;6,\;\text{mod}[9,\,2]\;(4\times 6),\;\frac{9}{2}\;4+6,\;\frac{9}{\frac{2}{4}}+6,\;9\;\text{Log}[2,\,4]+6,$$

$$9\;\text{mod}[2,\,4]+6,\;9\;\left(2+\frac{4}{6}\right),\;9\;\frac{2^4}{6},\;\frac{9\times 2^4}{6},\;(\text{mod}[9,\,2]\;6)\;4,\;\text{mod}[9,\,2]\;(6\times 4),\;9\times\frac{4}{2}+6,$$

$$\frac{9}{\text{Log}[4,\,2]}+6,\;\frac{9\times 4}{2}+6,\;9\;\text{root}[4,\,2]+6,\;9\;(4-2)+6,\;9\;\frac{4^2}{6},\;\frac{9\times 4^2}{6},\;9\times 4-2\times 6,\;9\;\left(\frac{4}{6}+2\right),$$

$$9\times 4-6\times 2,\;(\text{mod}[9,\,6]\;2)\;4,\;((9-6)\;2)\;4,\;\left(9-\frac{6}{2}\right)\;4,\;\text{mod}[9,\,6]\;(2\times 4),\;(9-6)\;(2\times 4),$$

$$\frac{9}{\frac{6}{2^4}},\;\frac{9}{6}\;2^4,\;(\text{mod}[9,\,6]\;4)\;2,\;((9-6)\;4)\;2,\;\text{mod}[9,\,6]\;(4\times 2),\;(9-6)\;(4\times 2),\;\frac{9}{\frac{6}{4^2}},\;\frac{9}{6}\;4^2\Big\}\Big\},$$

$$\Big\{\{2,\,4,\,6,\,10\},\;\Big\{(2\times 4+6)+10,\;2\times 4+(6+10),\;(2\times 4+10)+6,\;2\times 4+(10+6),$$

$$(2+4)\;\text{mod}[10,\,6],\;(2+4)\;(10-6),\;2\;(\text{mod}[6,\,4]+10),\;2\;((6-4)+10),\;(2-6)\;(4-10),$$

$$2\;(6-(4-10)),\;2^6-4\times 10,\;((2-6)+10)\;4,\;(2-(6-10))\;4,\;\text{mod}[2,\,6]\;10+4,\;(2\times 6)\;\text{mod}[10,\,4],$$

$$2\;(6\;\text{mod}[10,\,4]),\;2\;(6+(10-4)),\;2\;((6+10)-4),\;2^6-10\times 4,\;(2\;\text{mod}[10,\,4])\;6,$$

$$(2+\text{mod}[10,\,4])\;6,\;2^{\text{mod}[10,4]}\;6,\;2\;(\text{mod}[10,\,4]\;6),\;2\;((10-4)+6),\;2\times 10+\text{mod}[4,\,6],$$

$$2\;(10-(4-6)),\;(2+\text{mod}[10,\,6])\;4,\;(2+(10-6))\;4,\;((2+10)-6)\;4,\;(2+10)\;\text{mod}[6,\,4],$$

$$2\;(10+\text{mod}[6,\,4]),\;(2+10)\;(6-4),\;2\;(10+(6-4)),\;2\;((10+6)-4),\;(4\times 2+6)+10,$$

$$4\;((2-6)+10),\;4+\text{mod}[2,\,6]\;10,\;4\times 2+(6+10),\;4\;(2-(6-10)),\;\text{mod}[4,\,2+10]\;6,$$

$$(4\times 2+10)+6,\;4\times 2+(10+6),\;(4+2)\;\text{mod}[10,\,6],\;4\;(2+\text{mod}[10,\,6]),\;(4+2)\;(10-6),$$

$$4\;(2+(10-6)),\;4\;((2+10)-6),\;\text{mod}[4,\,6]+2\times 10,\;4\;\text{mod}[6,\,2+10],\;4\;\text{mod}\left[6^2,\,10\right],$$

$$\begin{Bmatrix}
\mathrm{mod}[4,6]+10\times 2,\ 4\,\mathrm{mod}[6,10+2],\ 4\,\mathrm{mod}[6,10-2],\ 4\,(6+\mathrm{mod}[10,2]),\ 4\times 6+\mathrm{mod}[10,2],\\
4\,(6-\mathrm{mod}[10,2]),\ 4\times 6-\mathrm{mod}[10,2],\ \mathrm{mod}[4,10+2]\,6,\ \mathrm{mod}\left[4,\frac{10}{2}\right]6,\ \mathrm{mod}[4,10-2]\,6,\\
(4+\mathrm{mod}[10,2])\,6,\ (4-\mathrm{mod}[10,2])\,6,\ 4\,(\mathrm{mod}[10,2]+6),\ 4+10\,\mathrm{mod}[2,6],\ (4-10)\,(2-6),\\
4\,(10+(2-6)),\ 4\,((10+2)-6),\ 4\,(\mathrm{mod}[10,6]+2),\ 4\,((10-6)+2),\ 4\,(10-(6-2)),\\
(6+2\times 4)+10,\ 6+(2\times 4+10),\ \mathrm{mod}[6,2+10]\,4,\ \mathrm{mod}\left[6^2,10\right]4,\ (6\times 2)\,\mathrm{mod}[10,4],\\
6\,(2\,\mathrm{mod}[10,4]),\ 6\,(2+\mathrm{mod}[10,4]),\ 6\times 2^{\mathrm{mod}[10,4]},\ (6-2)\,(10-4),\ \mathrm{mod}[6,4]\,(2+10),\\
(6-4)\,(2+10),\ (6+4\times 2)+10,\ 6+(4\times 2+10),\ 6\,\mathrm{mod}[4,2+10],\ (\mathrm{mod}[6,4]+10)\,2,\\
((6-4)+10)\,2,\ (6-(4-10))\,2,\ \mathrm{mod}[6,4]\,(10+2),\ (6-4)\,(10+2),\ 6\,\mathrm{mod}[4,10+2],\\
6\,\mathrm{mod}\left[4,\frac{10}{2}\right],\ 6\,\mathrm{mod}[4,10-2],\ 6\,(4+\mathrm{mod}[10,2]),\ 6\times 4+\mathrm{mod}[10,2],\ 6\,(4-\mathrm{mod}[10,2]),\\
6\times 4-\mathrm{mod}[10,2],\ \mathrm{mod}[6,10+2]\,4,\ \mathrm{mod}[6,10-2]\,4,\ (6+\mathrm{mod}[10,2])\,4,\ (6-\mathrm{mod}[10,2])\,4,\\
6\,(\mathrm{mod}[10,2]+4),\ (6+10)+2\times 4,\ 6+(10+2\times 4),\ 6\,\mathrm{mod}[10,2+4],\ 6\,(10-(2+4)),\\
6\,((10-2)-4),\ (6\,\mathrm{mod}[10,4])\,2,\ (6+(10-4))\,2,\ ((6+10)-4)\,2,\ 6\,(\mathrm{mod}[10,4]\,2),\\
6\,(\mathrm{mod}[10,4]+2),\ (6+10)+4\times 2,\ 6+(10+4\times 2),\ 6\,\mathrm{mod}[10,4+2],\ 6\,\mathrm{mod}[10,4]^2,\\
6\,(10-(4+2)),\ 6\,((10-4)-2),\ (\mathrm{mod}[10,2]+4)\,6,\ \mathrm{mod}[10,2+4]\,6,\ (10-(2+4))\,6,\\
((10-2)-4)\,6,\ (10+2\times 4)+6,\ \mathrm{mod}[10,2]+4\times 6,\ 10+(2\times 4+6),\ 10\times 2+\mathrm{mod}[4,6],\\
(\mathrm{mod}[10,2]+6)\,4,\ (10+(2-6))\,4,\ ((10+2)-6)\,4,\ 10\,\mathrm{mod}[2,6]+4,\ \mathrm{mod}[10,2]+6\times 4,\\
(10+2)\,\mathrm{mod}[6,4],\ (10+2)\,(6-4),\ (\mathrm{mod}[10,4]\,2)\,6,\ (\mathrm{mod}[10,4]+2)\,6,\ \mathrm{mod}[10,4+2]\,6,\\
\mathrm{mod}[10,4]^2\,6,\ (10-(4+2))\,6,\ ((10-4)-2)\,6,\ \mathrm{mod}[10,4]\,(2\times 6),\ (10+4\times 2)+6,\\
10+(4\times 2+6),\ (\mathrm{mod}[10,4]\,6)\,2,\ ((10-4)+6)\,2,\ (10-(4-6))\,2,\ \mathrm{mod}[10,4]\,(6\times 2),\\
(10-4)\,(6-2),\ (\mathrm{mod}[10,6]+2)\,4,\ ((10-6)+2)\,4,\ (10-(6-2))\,4,\ \mathrm{mod}[10,6]\,(2+4),\\
(10-6)\,(2+4),\ (10+6)+2\times 4,\ 10+(6+2\times 4),\ (10+\mathrm{mod}[6,4])\,2,\ (10+(6-4))\,2,\\
((10+6)-4)\,2,\ \mathrm{mod}[10,6]\,(4+2),\ (10-6)\,(4+2),\ (10+6)+4\times 2,\ 10+(6+4\times 2)
\end{Bmatrix}\Bigg\},$$

$$\{\{2,4,7,7\},\{2\,(7+7)-4,\ 4\,(7-\mathrm{mod}[7,2]),\ (7-\mathrm{mod}[7,2])\,4,\ (7+7)\,2-4\}\},$$

$$\left\{\{2,4,7,8\},\left\{\begin{matrix}
2\,(\mathrm{mod}[4,7]+8),\ 2^{\mathrm{mod}[4,7]}+8,\ \mathrm{mod}[2,7]\,(4+8),\ \mathrm{mod}[2,7]^4+8,\ \frac{2^7}{4}-8,\\
\mathrm{mod}[2\times 7,8]\,4,\ (2\times 7-8)\,4,\ \mathrm{mod}[2,7]\,(8+4),\ 2\,(8+\mathrm{mod}[4,7]),\ 4^{\mathrm{mod}[2,7]}+8,\\
4\,\mathrm{mod}[2\times 7,8],\ 4\,(2\times 7-8),\ (4-\mathrm{mod}[7,2])\,8,\ \mathrm{mod}[4,7]^2+8,\ 4\,\mathrm{mod}[7\times 2,8],\\
4\,(7\times 2-8),\ (\mathrm{mod}[4,7]+8)\,2,\ \mathrm{mod}[4,7]\,(8-2),\ 4\times 7-\frac{8}{2},\ (4+8)\,\mathrm{mod}[2,7],\\
4\,\mathrm{mod}[8-2,7],\ 4\,(8-\mathrm{mod}[2,7]),\ \mathrm{mod}[7\times 2,8]\,4,\ (7\times 2-8)\,4,\ \frac{7}{2}\,8-4,\ \frac{7}{\frac{2}{8}}-4,\\
7\times 4-\frac{8}{2},\ 7\times\frac{8}{2}-4,\ \frac{7\times 8}{2}-4,\ (8-2)\,\mathrm{mod}[4,7],\ 8+2^{\mathrm{mod}[4,7]},\ \mathrm{mod}[8-2,7]\,4,\\
(8-\mathrm{mod}[2,7])\,4,\ 8+\mathrm{mod}[2,7]^4,\ \frac{8}{2}\,7-4,\ \frac{8}{\frac{2}{7}}-4,\ (8+4)\,\mathrm{mod}[2,7],\ 8+4^{\mathrm{mod}[2,7]},\\
(8+\mathrm{mod}[4,7])\,2,\ 8+\mathrm{mod}[4,7]^2,\ 8\,(4-\mathrm{mod}[7,2]),\ 8\times\frac{7}{2}-4,\ \frac{8\times 7}{2}-4
\end{matrix}\right\}\right\},$$

$$\{\{2,4,7,9\},\{(2\times 4+7)+9,\ 2\times 4+(7+9),\ (2\times 4+9)+7,\ 2\times 4+(9+7),\ 2\,(\mathrm{mod}[7,4]+9),$$
$$2\,((7-4)+9),\ 2\,(7-(4-9)),\ 2\,(7+(9-4)),\ 2\,((7+9)-4),\ 2\,((9-4)+7),\ 2\,(9-(4-7)),$$
$$2\,(9+\mathrm{mod}[7,4]),\ 2\,(9+(7-4)),\ 2\,((9+7)-4),\ (4\times 2+7)+9,\ 4\times 2+(7+9),\ (4\times 2+9)+7,$$
$$4\times 2+(9+7),\ 4\,(7-\mathrm{mod}[9,2]),\ (7+2\times 4)+9,\ 7+(2\times 4+9),\ (7+4\times 2)+9,\ 7+(4\times 2+9),$$
$$(\mathrm{mod}[7,4]+9)\,2,\ ((7-4)+9)\,2,\ (7-(4-9))\,2,\ (7-\mathrm{mod}[9,2])\,4,\ (7+9)+2\times 4,$$
$$7+(9+2\times 4),\ (7+(9-4))\,2,\ ((7+9)-4)\,2,\ (7+9)+4\times 2,\ 7+(9+4\times 2),\ (9+2\times 4)+7,$$
$$9+(2\times 4+7),\ (9+4\times 2)+7,\ 9+(4\times 2+7),\ ((9-4)+7)\,2,\ (9-(4-7))\,2,\ (9+7)+2\times 4,$$
$$9+(7+2\times 4),\ (9+\mathrm{mod}[7,4])\,2,\ (9+(7-4))\,2,\ ((9+7)-4)\,2,\ (9+7)+4\times 2,\ 9+(7+4\times 2)\}\},$$

$$\left\{\{2,4,7,10\},\left\{\begin{matrix}
\mathrm{Log}[2,4]\,7+10,\ \mathrm{mod}[2,4]\,7+10,\ \mathrm{Log}\left[2,4^7\right]+10,\ (2\times 4)\,\mathrm{mod}[10,7],\\
2\,(4\,\mathrm{mod}[10,7]),\ (2\times 4)\,(10-7),\ 2\,(4\,(10-7)),\ \mathrm{mod}[2,7]\,10+4,\ 2\times 10+\mathrm{mod}[4,7],\\
(2-10)\,(4-7),\ (2\,\mathrm{mod}[10,7])\,4,\ \mathrm{mod}[2\times 10,7]\,4,\ (2\,(10-7))\,4,\ 2\,(\mathrm{mod}[10,7]\,4),\\
2\,((10-7)\,4),\ \frac{4}{2}\,7+10,\ \mathrm{root}[4,2]\,7+10,\ (4-2)\,7+10,\ \frac{4}{\frac{2}{7}}+10,\ 4+\mathrm{mod}[2,7]\,10,
\end{matrix}\right\}\right\},$$

$$(4\times 2)\bmod[10,7],\ 4\,(2\bmod[10,7]),\ 4\bmod[2\times 10,7],\ (4\times 2)\,(10-7),\ 4\,(2\,(10-7)),$$
$$4\times\frac{7}{2}+10,\ \frac{4\times 7}{2}+10,\ \bmod[4,7]+2\times 10,\ (4-7)\,(2-10),\ \bmod[4,7]+10\times 2,\ 4+10\bmod[2,7],$$
$$4\bmod[10\times 2,7],\ (4\bmod[10,7])\,2,\ (4\,(10-7))\,2,\ 4\,(\bmod[10,7]\,2),\ 4\,((10-7)\,2),$$
$$\frac{7}{2}\,4+10,\ \frac{7}{\frac{2}{4}}+10,\ 7\,\mathrm{Log}[2,4]+10,\ 7\bmod[2,4]+10,\ 7\times\frac{4}{2}+10,\ \frac{7}{\mathrm{Log}[4,2]}+10,$$
$$\frac{7\times 4}{2}+10,\ 7\,\mathrm{root}[4,2]+10,\ 7\,(4-2)+10,\ \bmod[7,4]\,(10-2),\ (7-4)\,(10-2),$$
$$10+\mathrm{Log}[2,4]\,7,\ 10+\bmod[2,4]\,7,\ 10+\mathrm{Log}\left[2,4^7\right],\ 10\times 2+\bmod[4,7],\ 10-(2-4)\,7,$$
$$\bmod[10\times 2,7]\,4,\ 10\bmod[2,7]+4,\ (10-2)\bmod[7,4],\ (10-2)\,(7-4),\ 10+\frac{4}{2}\,7,$$
$$10+\mathrm{root}[4,2]\,7,\ 10+(4-2)\,7,\ 10+\frac{4}{\frac{2}{7}},\ 10+4\times\frac{7}{2},\ 10+\frac{4\times 7}{2},\ (\bmod[10,7]\,2)\,4,$$
$$((10-7)\,2)\,4,\ \bmod[10,7]\,(2\times 4),\ (10-7)\,(2\times 4),\ 10+\frac{7}{2}\,4,\ 10+\frac{7}{\frac{2}{4}},\ 10+7\,\mathrm{Log}[2,4],$$
$$10+7\bmod[2,4],\ 10-7\,(2-4),\ (\bmod[10,7]\,4)\,2,\ ((10-7)\,4)\,2,\ \bmod[10,7]\,(4\times 2),$$
$$(10-7)\,(4\times 2),\ 10+7\times\frac{4}{2},\ 10+\frac{7}{\mathrm{Log}[4,2]},\ 10+\frac{7\times 4}{2},\ 10+7\,\mathrm{root}[4,2],\ 10+7\,(4-2)\Big\}\Big\},$$
$$\Big\{\{2,4,8,8\},\ \Big\{(2\,\mathrm{Log}[4,8])\,8,\ \mathrm{Log}[\mathrm{Log}[2,4],8]\,8,\ \mathrm{Log}[\bmod[2,4],8]\,8,\ 2\,(\mathrm{Log}[4,8]\,8),$$
$$\mathrm{Log}[2,4]\,8+8,\ \bmod[2,4]\,8+8,\ (2\times 4+8)+8,\ \mathrm{Log}\left[2,4^8\right]+8,\ 2\,(\bmod[4,8]+8),$$
$$2^{\bmod[4,8]}+8,\ 2\times 4+(8+8),\ 2\,\mathrm{Log}\left[4,8^8\right],\ \mathrm{Log}\left[\mathrm{Log}[2,4],8^8\right],\ \mathrm{Log}\left[\bmod[2,4],8^8\right],$$
$$\frac{2}{\mathrm{Log}[8,4]}\,8,\ \bmod[\mathrm{Log}[2,8],4]\,8,\ \bmod[2,8]\,(4+8),\ 2^{8-4}+8,\ \bmod[2,8]^4+8,\ 2\,((8-4)+8),$$
$$\frac{2}{\frac{\mathrm{Log}[8,4]}{8}},\ (2\times 8)\,\mathrm{Log}[4,8],\ 2\,(8\,\mathrm{Log}[4,8]),\ 2\,(8+\bmod[4,8]),\ (2-8)\,(4-8),$$
$$2\,(8-(4-8)),\ \mathrm{Log}[2,8\times 8]\,4,\ \bmod[2,8]\,(8+4),\ \frac{2}{\mathrm{Log}\left[8^8,4\right]},\ 2\,\frac{8}{\mathrm{Log}[8,4]},\ \frac{2\times 8}{\mathrm{Log}[8,4]},$$
$$\mathrm{Log}\left[2,(8\times 8)^4\right],\ 2\,(8+(8-4)),\ 2\,((8+8)-4),\ \mathrm{Log}\left[\frac{4}{2},8\right]\,8,\ \mathrm{Log}[\mathrm{root}[4,2],8]\,8,$$
$$\mathrm{Log}[4-2,8]\,8,\ \frac{4}{2}\,8+8,\ \mathrm{root}[4,2]\,8+8,\ (4-2)\,8+8,\ (4\times 2+8)+8,\ \frac{4}{\frac{2}{8}}+8,\ 4^{\bmod[2,8]}+8,$$
$$4\times 2+(8+8),\ 4\,\mathrm{Log}[2,8\times 8],\ \mathrm{Log}\left[\frac{4}{2},8^8\right],\ \mathrm{Log}\left[\mathrm{root}[4,2],8^8\right],\ \mathrm{Log}\left[4-2,8^8\right],$$
$$(\mathrm{Log}[4,8]\,2)\,8,\ \mathrm{Log}\left[4,8^2\right]\,8,\ \mathrm{Log}[4,8]\,(2\times 8),\ 4\times\frac{8}{2}+8,\ \frac{4\times 8}{2}+8,\ \bmod[4,8]^2+8,$$
$$\mathrm{Log}\left[4,8^{2\times 8}\right],\ \mathrm{Log}\left[4,\left(8^2\right)^8\right],\ (4+8)\bmod[2,8],\ 4\bmod[8-2,8],\ (4-8)\,(2-8),$$
$$4\,(8-\bmod[2,8]),\ (\mathrm{Log}[4,8]\,8)\,2,\ (\bmod[4,8]+8)\,2,\ \mathrm{Log}\left[4,8^8\right]\,2,\ \mathrm{Log}[4,8]\,(8\times 2),$$
$$\frac{4}{\mathrm{Log}[8\times 8,2]},\ \mathrm{Log}\left[4,8^{8\times 2}\right],\ \mathrm{Log}\left[4,\left(8^8\right)^2\right],\ \bmod[4,8]\,(8-2),\ \frac{8}{2}\,4+8,\ (8+2\times 4)+8,$$
$$\frac{8}{\frac{2}{4}}+8,\ \frac{8^2}{4}+8,\ 8\,\mathrm{Log}[2,4]+8,\ 8\bmod[2,4]+8,\ 8+\mathrm{Log}[2,4]\,8,\ 8+\bmod[2,4]\,8,$$
$$8+(2\times 4+8),\ 8+\mathrm{Log}\left[2,4^8\right],\ (8\times 2)\,\mathrm{Log}[4,8],\ 8\,(2\,\mathrm{Log}[4,8]),\ 8\,\mathrm{Log}[\mathrm{Log}[2,4],8],$$

$$8\,\text{Log}[\text{mod}[2,\,4],\,8],\ (8-2)\,\text{mod}[4,\,8],\ 8+2^{\text{mod}[4,8]},\ 8-(2-4)\,8,\ \text{mod}[8-2,\,8]\,4,$$
$$(8-\text{mod}[2,\,8])\,4,\ 8\,\frac{2}{\text{Log}[8,\,4]},\ \frac{8\times 2}{\text{Log}[8,\,4]},\ 8\,\text{mod}[\text{Log}[2,\,8],\,4],\ 8+2^{8-4},\ 8+\text{mod}[2,\,8]^4,$$
$$(8-2)\,(8-4),\ (8+4\times 2)+8,\ 8\times\frac{4}{2}+8,\ \frac{8}{\text{Log}[4,\,2]}+8,\ \frac{8\times 4}{2}+8,\ (8-4)^2+8,$$
$$8\,\text{root}[4,\,2]+8,\ 8\,(4-2)+8,\ 8+\frac{4}{2}\,8,\ 8+\text{root}[4,\,2]\,8,\ 8+(4-2)\,8,\ 8+(4\times 2+8),\ 8+\frac{4}{\frac{2}{8}},$$
$$8\,\text{Log}\left[\frac{4}{2},\,8\right],\ 8\,\text{Log}[\text{root}[4,\,2],\,8],\ 8\,\text{Log}[4-2,\,8],\ (8+4)\,\text{mod}[2,\,8],\ 8+4^{\text{mod}[2,8]},$$
$$((8-4)+8)\,2,\ (8\,\text{Log}[4,\,8])\,2,\ (8+\text{mod}[4,\,8])\,2,\ (8-(4-8))\,2,\ 8\,(\text{Log}[4,\,8]\,2),$$
$$8+4\times\frac{8}{2},\ 8+\frac{4\times 8}{2},\ 8\,\text{Log}\left[4,\,8^2\right],\ 8+\text{mod}[4,\,8]^2,\ (8-4)\,(8-2),\ (8+8)+2\times 4,$$
$$8+\frac{8}{2}\,4,\ 8+(8+2\times 4),\ 8+\frac{8}{\frac{2}{4}},\ \frac{8}{\text{Log}[8,\,\text{Log}[2,\,4]]},\ \frac{8}{\text{Log}[8,\,\text{mod}[2,\,4]]},\ \frac{8}{\text{Log}\left[8^2,\,4\right]},$$
$$8+\frac{8^2}{4},\ 8+8\,\text{Log}[2,\,4],\ 8+8\,\text{mod}[2,\,4],\ 8-8\,(2-4),\ \frac{8}{\text{Log}[8,\,4]}\,2,\ (8+(8-4))\,2,$$
$$((8+8)-4)\,2,\ (8+8)+4\times 2,\ 8+(8+4\times 2),\ 8+8\times\frac{4}{2},\ \frac{8}{\frac{\text{Log}[8,4]}{2}},\ 8+\frac{8}{\text{Log}[4,\,2]},\ \frac{8}{\text{Log}\left[8,\,\frac{4}{2}\right]},$$
$$\frac{8}{\text{Log}[8,\,\text{root}[4,\,2]]},\ \frac{8}{\text{Log}[8,\,4-2]},\ 8+\frac{8\times 4}{2},\ 8+(8-4)^2,\ 8+8\,\text{root}[4,\,2],\ 8+8\,(4-2)\Big\}\Big\},$$
$$\Big\{\{2,\,4,\,8,\,9\},\ \Big\{2\,(4+\text{mod}[8,\,9]),\ 2^4+\text{mod}[8,\,9],\ 2\,(\text{mod}[4,\,9]+8),\ 2^{\text{mod}[4,9]}+8,$$
$$(2+\text{Log}[8,\,4])\,9,\ 2\,(8+\text{mod}[4,\,9]),\ 2\,(\text{mod}[8,\,9]+4),\ (2+\text{mod}[9,\,4])\,8,\ \text{mod}[2+9,\,4]\,8,$$
$$\text{mod}[2,\,9]\,(4+8),\ \text{mod}[2,\,9]^4+8,\ 2^{9-4}-8,\ \text{mod}[2,\,9]\,(8+4),\ 4^2+\text{mod}[8,\,9],$$
$$4^{\text{mod}[2,9]}+8,\ (4+8)\,\text{mod}[2,\,9],\ 4\,\text{mod}[8-2,\,9],\ 4\,(8-\text{mod}[2,\,9]),\ (4+\text{mod}[8,\,9])\,2,$$
$$4\,(\text{mod}[8,\,9]-2),\ (4-\text{mod}[9,\,2])\,8,\ \text{mod}[4,\,9]^2+8,\ 4\,(9-\text{Log}[2,\,8]),\ (\text{mod}[4,\,9]+8)\,2,$$
$$\text{mod}[4,\,9]\,(8-2),\ (8-2)\,\text{mod}[4,\,9],\ 8+2^{\text{mod}[4,9]},\ \text{mod}[8-2,\,9]\,4,\ (8-\text{mod}[2,\,9])\,4,$$
$$8\,(2+\text{mod}[9,\,4]),\ 8\,\text{mod}[2+9,\,4],\ 8+\text{mod}[2,\,9]^4,\ (\text{Log}[8,\,4]+2)\,9,\ (8+4)\,\text{mod}[2,\,9],$$
$$8+4^{\text{mod}[2,9]},\ (8+\text{mod}[4,\,9])\,2,\ 8+\text{mod}[4,\,9]^2,\ 8\,(4-\text{mod}[9,\,2]),\ (\text{mod}[8,\,9]-2)\,4,$$
$$\frac{8}{\text{root}[9,\,2-4]},\ 8\,\text{mod}[9,\,2+4],\ 8\,\text{mod}[9+2,\,4],\ 8\,\text{mod}[\text{root}[9,\,2],\,4],\ 8\,\text{mod}[9-2,\,4],$$
$$\text{mod}[8,\,9]+2^4,\ 8\times 9^{\frac{2}{4}},\ 8\,\text{root}[9,\,\text{Log}[2,\,4]],\ 8\,\text{root}[9,\,\text{mod}[2,\,4]],\ 8\,\text{root}\left[9^2,\,4\right],$$
$$8\,(9-(2+4)),\ 8\,((9-2)-4),\ (\text{mod}[8,\,9]+4)\,2,\ 8\,(\text{mod}[9,\,4]+2),\ 8\,\text{mod}[9,\,4+2],$$
$$\text{mod}[8,\,9]+4^2,\ 8\times 9^{\text{Log}[4,2]},\ 8\,\text{root}[9,\,4]^2,\ 8\,\text{root}\left[9,\,\frac{4}{2}\right],\ 8\,\text{root}[9,\,\text{root}[4,\,2]],$$
$$8\,\text{root}[9,\,4-2],\ 8\,(9-(4+2)),\ 8\,((9-4)-2),\ \text{mod}[9,\,2+4]\,8,\ \text{mod}[9+2,\,4]\,8,$$
$$\text{mod}[\text{root}[9,\,2],\,4]\,8,\ \text{mod}[9-2,\,4]\,8,\ 9^{\frac{2}{4}}\,8,\ \text{root}[9,\,\text{Log}[2,\,4]]\,8,\ \text{root}[9,\,\text{mod}[2,\,4]]\,8,$$
$$\text{root}\left[9^2,\,4\right]\,8,\ (9-(2+4))\,8,\ ((9-2)-4)\,8,\ (9-\text{Log}[2,\,8])\,4,\ 9\,(2+\text{Log}[8,\,4]),$$
$$(\text{mod}[9,\,4]+2)\,8,\ \text{mod}[9,\,4+2]\,8,\ 9^{\text{Log}[4,2]}\,8,\ \text{root}[9,\,4]^2\,8,\ \text{root}\left[9,\,\frac{4}{2}\right]\,8,$$
$$\text{root}[9,\,\text{root}[4,\,2]]\,8,\ \text{root}[9,\,4-2]\,8,\ (9-(4+2))\,8,\ ((9-4)-2)\,8,\ 9\,(\text{Log}[8,\,4]+2)\Big\}\Big\},$$
$$\Big\{\{2,\,4,\,8,\,10\},\ \Big\{((2+4)+8)+10,\ (2+(4+8))+10,\ (2+4)+(8+10),\ 2+((4+8)+10),$$
$$2+(4+(8+10)),\ 2\,(4+\text{mod}[8,\,10]),\ 2^4+\text{mod}[8,\,10],\ 2+(4\times 8-10),\ (2+4\times 8)-10,$$
$$((2+4)+10)+8,\ (2+(4+10))+8,\ 2\,(\text{mod}[4,\,10]+8),\ 2^{\text{mod}[4,10]}+8,\ (2+4)+(10+8),$$

$$2+((4+10)+8),\ 2+(4+(10+8)),\ ((2+8)+4)+10,\ (2+(8+4))+10,\ 2\left(\frac{8}{4}+10\right),$$
$$(2+8)+(4+10),\ 2+((8+4)+10),\ 2+(8+(4+10)),\ 2\,(8+\text{mod}[4,\ 10]),\ 2+(8\times 4-10),$$
$$(2+8\times 4)-10,\ \text{mod}[2\times 8,\ 10]\ 4,\ \text{mod}\left[2^8,\ 10\right]\ 4,\ (2\times 8-10)\ 4,\ \text{mod}[2,\ 8]\ 10+4,$$
$$((2+8)+10)+4,\ (2+(8+10))+4,\ 2\,(\text{mod}[8,\ 10]+4),\ (2+8)+(10+4),$$
$$2+((8+10)+4),\ 2+(8+(10+4)),\ \frac{2+10}{4}\ 8,\ \text{mod}[2,\ 10]\ (4+8),\ ((2+10)+4)+8,$$
$$(2+(10+4))+8,\ \text{mod}[2,\ 10]^4+8,\ (2\times 10-4)+8,\ (2-10)+4\times 8,\ (2+10)+(4+8),$$
$$2+((10+4)+8),\ 2+(10+(4+8)),\ \frac{2+10}{\frac{4}{8}},\ 2\times 10+\text{mod}[4,\ 8],\ 2-(10-4\times 8),$$
$$2\times 10-(4-8),\ \text{mod}[2,\ 10]\ (8+4),\ ((2+10)+8)+4,\ (2+(10+8))+4,\ (2-10)+8\times 4,$$
$$(2+10)+(8+4),\ 2+((10+8)+4),\ 2+(10+(8+4)),\ (2+10)\ \frac{8}{4},\ 2\left(10+\frac{8}{4}\right),\ \frac{(2+10)\ 8}{4},$$
$$2-(10-8\times 4),\ 2\times 10+(8-4),\ (2\times 10+8)-4,\ ((4+2)+8)+10,\ (4+(2+8))+10,$$
$$4+\text{mod}[2,\ 8]\ 10,\ (4+2)+(8+10),\ 4+((2+8)+10),\ 4+(2+(8+10)),\ 4^2+\text{mod}[8,\ 10],$$
$$4\ \text{mod}[2\times 8,\ 10],\ 4\ \text{mod}\left[2^8,\ 10\right],\ 4\ (2\times 8-10),\ ((4+2)+10)+8,\ (4+(2+10))+8,$$
$$4^{\text{mod}[2,10]}+8,\ (4+2)+(10+8),\ 4+((2+10)+8),\ 4+(2+(10+8)),\ ((4+8)+2)+10,$$
$$(4+(8+2))+10,\ \text{mod}[4,\ 8]+2\times 10,\ (4+8)+(2+10),\ 4+((8+2)+10),\ 4+(8+(2+10)),$$
$$(4+8)\ \text{mod}[2,\ 10],\ 4\ \text{mod}[8\times 2,\ 10],\ 4\ \text{mod}[8-2,\ 10],\ 4\times 8+(2-10),\ 4\ (8-\text{mod}[2,\ 10]),$$
$$4\ (8\times 2-10),\ (4\times 8+2)-10,\ (4+\text{mod}[8,\ 10])\ 2,\ ((4+8)+10)+2,\ (4+(8+10))+2,$$
$$(4\times 8-10)+2,\ \text{mod}[4,\ 8]+10\times 2,\ (4+8)+(10+2),\ 4+((8+10)+2),\ 4+(8+(10+2)),$$
$$4\times 8-(10-2),\ 4\ (\text{mod}[8,\ 10]-2),\ ((4+10)+2)+8,\ (4+(10+2))+8,\ \text{mod}[4,\ 10]^2+8,$$
$$(4+10)+(2+8),\ 4+((10+2)+8),\ 4+(10+(2+8)),\ 4+10\ \text{mod}[2,\ 8],\ 4\times 10-2\times 8,$$
$$4\ (10-2)-8,\ (\text{mod}[4,\ 10]+8)\ 2,\ ((4+10)+8)+2,\ (4+(10+8))+2,\ (4+10)+(8+2),$$
$$4+((10+8)+2),\ 4+(10+(8+2)),\ \frac{4\times 10+8}{2},\ \text{mod}[4,\ 10]\ (8-2),\ 4\left(10-\frac{8}{2}\right),\ 4\times 10-8\times 2,$$
$$((8+2)+4)+10,\ (8+(2+4))+10,\ (8+2)+(4+10),\ 8+((2+4)+10),\ 8+(2+(4+10)),$$
$$(8-2)\ \text{mod}[4,\ 10],\ 8+2^{\text{mod}[4,10]},\ 8^2-4\times 10,\ \text{mod}[8\times 2,\ 10]\ 4,\ \text{mod}[8-2,\ 10]\ 4,$$
$$(8-\text{mod}[2,\ 10])\ 4,\ (8\times 2-10)\ 4,\ ((8+2)+10)+4,\ (8+(2+10))+4,\ (8+2)+(10+4),$$
$$8+((2+10)+4),\ 8+(2+(10+4)),\ \frac{8}{\frac{2}{10-4}},\ 8\ \frac{2+10}{4},\ \frac{8\ (2+10)}{4},\ 8+\text{mod}[2,\ 10]^4,$$
$$\frac{8}{2}\ (10-4),\ 8+(2\times 10-4),\ (8+2\times 10)-4,\ 8^2-10\times 4,\ \frac{8}{4}\ (2+10),\ ((8+4)+2)+10,$$
$$(8+(4+2))+10,\ (8-4)+2\times 10,\ (8+4)+(2+10),\ 8+((4+2)+10),\ 8+(4+(2+10)),$$
$$\frac{8}{\frac{4}{2+10}},\ (8+4)\ \text{mod}[2,\ 10],\ 8+4^{\text{mod}[2,10]},\ 8\times 4+(2-10),\ 8-(4-2\times 10),\ (8\times 4+2)-10,$$
$$\left(\frac{8}{4}+10\right)\ 2,\ (8+\text{mod}[4,\ 10])\ 2,\ \frac{8}{4}\ (10+2),\ ((8+4)+10)+2,\ (8+(4+10))+2,\ (8\times 4-10)+2,$$
$$(8-4)+10\times 2,\ (8+4)+(10+2),\ 8+((4+10)+2),\ 8+(4+(10+2)),\ \frac{8}{\frac{4}{10+2}},\ \frac{8+4\times 10}{2},$$
$$8+\text{mod}[4,\ 10]^2,\ 8-(4-10\times 2),\ 8\times 4-(10-2),\ (\text{mod}[8,\ 10]-2)\ 4,\ ((8+10)+2)+4,$$
$$(8+(10+2))+4,\ (8+10)+(2+4),\ 8+((10+2)+4),\ 8+(10+(2+4)),\ 8\ \frac{10+2}{4},\ \frac{8\ (10+2)}{4},$$
$$\text{mod}[8,\ 10]+2^4,\ 8+(10\times 2-4),\ (8+10\times 2)-4,\ (\text{mod}[8,\ 10]+4)\ 2,\ ((8+10)+4)+2,$$
$$(8+(10+4))+2,\ (8+10)+(4+2),\ 8+((10+4)+2),\ 8+(10+(4+2)),\ \frac{8+10\times 4}{2},$$
$$8\ \frac{10-4}{2},\ \frac{8\ (10-4)}{2},\ \text{mod}[8,\ 10]+4^2,\ \frac{10+2}{4}\ 8,\ ((10+2)+4)+8,\ (10+(2+4))+8,$$

$$(10\times 2-4)+8,\ (10+2)+(4+8),\ 10+((2+4)+8),\ 10+(2+(4+8)),\ \frac{10+2}{\frac{4}{8}},$$

$$10\times 2+\text{mod}[4,\ 8],\ 10\times 2-(4-8),\ (10-2)\ 4-8,\ ((10+2)+8)+4,\ (10+(2+8))+4,$$

$$10\ \text{mod}[2,\ 8]+4,\ (10+2)+(8+4),\ 10+((2+8)+4),\ 10+(2+(8+4)),\ (10+2)\ \frac{8}{4},$$

$$\frac{(10+2)\ 8}{4},\ 10\times 2+(8-4),\ (10\times 2+8)-4,\ \frac{10-4}{2}\ 8,\ ((10+4)+2)+8,\ (10+(4+2))+8,$$

$$(10+4)+(2+8),\ 10+((4+2)+8),\ 10+(4+(2+8)),\ \frac{10-4}{\frac{2}{8}},\ 10\times 4-2\times 8,\ ((10+4)+8)+2,$$

$$(10+(4+8))+2,\ (10+4)+(8+2),\ 10+((4+8)+2),\ 10+(4+(8+2)),\ (10-4)\ \frac{8}{2},$$

$$\frac{(10-4)\ 8}{2},\ \frac{10\times 4+8}{2},\ 10\times 4-8\times 2,\ \left(10-\frac{8}{2}\right)\ 4,\ ((10+8)+2)+4,\ (10+(8+2))+4,$$

$$(10+8)+(2+4),\ 10+((8+2)+4),\ 10+(8+(2+4)),\ \left(10+\frac{8}{4}\right)\ 2,\ ((10+8)+4)+2,$$

$$(10+(8+4))+2,\ (10+8)+(4+2),\ 10+((8+4)+2),\ 10+(8+(4+2))\Big\}\Big\},$$

$$\{\{2,\ 4,\ 9,\ 9\},\ \{((2+4)+9)+9,\ (2+(4+9))+9,\ (2+4)+(9+9),\ 2+((4+9)+9),$$
$$2+(4+(9+9)),\ ((2+9)+4)+9,\ (2+(9+4))+9,\ (2+9)+(4+9),\ 2+((9+4)+9),$$
$$2+(9+(4+9)),\ ((2+9)+9)+4,\ (2+(9+9))+4,\ (2+9)+(9+4),\ 2+((9+9)+4),$$
$$2+(9+(9+4)),\ ((4+2)+9)+9,\ (4+(2+9))+9,\ (4+2)+(9+9),\ 4+((2+9)+9),$$
$$4+(2+(9+9)),\ ((4+9)+2)+9,\ (4+(9+2))+9,\ (4+9)+(2+9),\ 4+((9+2)+9),$$
$$4+(9+(2+9)),\ ((4+9)+9)+2,\ (4+(9+9))+2,\ (4+9)+(9+2),\ 4+((9+9)+2),$$
$$4+(9+(9+2)),\ 4\ (9-\text{root}[9,\ 2]),\ ((9+2)+4)+9,\ (9+(2+4))+9,$$
$$(9+2)+(4+9),\ 9+((2+4)+9),\ 9+(2+(4+9)),\ ((9+2)+9)+4,\ (9+(2+9))+4,$$
$$(9+2)+(9+4),\ 9+((2+9)+4),\ 9+(2+(9+4)),\ ((9+4)+2)+9,\ (9+(4+2))+9,$$
$$(9+4)+(2+9),\ 9+((4+2)+9),\ 9+(4+(2+9)),\ ((9+4)+9)+2,\ (9+(4+9))+2,$$
$$(9+4)+(9+2),\ 9+((4+9)+2),\ 9+(4+(9+2)),\ (9-\text{root}[9,\ 2])\ 4,$$
$$((9+9)+2)+4,\ (9+(9+2))+4,\ (9+9)+(2+4),\ 9+((9+2)+4),\ 9+(9+(2+4)),$$
$$((9+9)+4)+2,\ (9+(9+4))+2,\ (9+9)+(4+2),\ 9+((9+4)+2),\ 9+(9+(4+2))\}\},$$

$$\{\{2,\ 4,\ 9,\ 10\},\ \{(2\times 9-4)+10,\ 2\times 9-(4-10),\ \text{mod}[2,\ 9]\ 10+4,\ 2\times 9+(10-4),\ (2\times 9+10)-4,$$
$$2\times 10+\text{mod}[4,\ 9],\ 4+\text{mod}[2,\ 9]\ 10,\ \text{mod}[4,\ 9]+2\times 10,\ 4\times 9-(2+10),\ (4\times 9-2)-10,$$
$$\text{mod}[4,\ 9]+10\times 2,\ 4\times 9-(10+2),\ (4\times 9-10)-2,\ 4+10\ \text{mod}[2,\ 9],\ (9\times 2-4)+10,$$
$$9\times 2-(4-10),\ 9\times 2+(10-4),\ (9\times 2+10)-4,\ 9\times 4-(2+10),\ (9\times 4-2)-10,\ 9\times 4-(10+2),$$
$$(9\times 4-10)-2,\ 10\times 2+\text{mod}[4,\ 9],\ 10\ \text{mod}[2,\ 9]+4,\ 10+(2\times 9-4),\ (10+2\times 9)-4,$$
$$(10-4)+2\times 9,\ 10-(4-2\times 9),\ (10-4)+9\times 2,\ 10-(4-9\times 2),\ 10+(9\times 2-4),\ (10+9\times 2)-4\}\},$$

$$\Big\{\{2,\ 4,\ 10,\ 10\},\ \Big\{\left(2+\frac{4}{10}\right)\ 10,\ 2\ (\text{mod}[10,\ 4]+10),\ 2\times 10+\text{mod}[4,\ 10],\ \text{mod}[2,\ 10]\ 10+4,$$

$$(2+10)\ \text{mod}[10,\ 4],\ 2\ (10+\text{mod}[10,\ 4]),\ 4+\text{mod}[2,\ 10]\ 10,\ \left(\frac{4}{10}+2\right)\ 10,$$

$$\text{mod}[4,\ 10]+2\times 10,\ 4+10\ \text{mod}[2,\ 10],\ \text{mod}[4,\ 10]+10\times 2,\ 10\left(2+\frac{4}{10}\right),$$

$$10\times 2+\text{mod}[4,\ 10],\ 10\ \text{mod}[2,\ 10]+4,\ (10+2)\ \text{mod}[10,\ 4],\ \text{mod}[10,\ 4]\ (2+10),$$

$$(\text{mod}[10,\ 4]+10)\ 2,\ \text{mod}[10,\ 4]\ (10+2),\ 10\left(\frac{4}{10}+2\right),\ (10+\text{mod}[10,\ 4])\ 2\Big\}\Big\},$$

$$\Big\{\{2,\ 5,\ 5,\ 5\},\ \Big\{5^2-\frac{5}{5},\ 5^2-\text{Log}[5,\ 5],\ 5\times 5-\text{mod}[5,\ 2]\Big\}\Big\},$$

$$\Big\{\{2,\ 5,\ 5,\ 6\},\ \Big\{5^2+(5-6),\ \left(5^2+5\right)-6,\ \left(5^2-6\right)+5,\ 5^2-\text{mod}[6,\ 5],\ 5^2-(6-5),$$

$$(5-\text{mod}[5,\ 2])\ 6,\ 5+\left(5^2-6\right),\ \left(5+5^2\right)-6,\ (5-6)+5^2,\ 5-\left(6-5^2\right),\ 6\ (5-\text{mod}[5,\ 2])\Big\}\Big\},$$

$$\Big\{\{2,\ 5,\ 5,\ 7\},\ \Big\{\text{mod}[2,\ 5]\ (5+7),\ \text{mod}[2,\ 5]\ (7+5),\ (2\times 7+5)+5,\ 2\times 7+(5+5),$$

$$(5+2\times 7)+5,\ 5+(2\times 7+5),\ (5+5)+2\times 7,\ 5+(5+2\times 7),\ (5+5)+7\times 2,$$

$$5+(5+7\times 2),\ 5\times 5-\text{mod}[7,\ 2],\ (5+7\times 2)+5,\ 5+(7\times 2+5),$$

$$(5+7)\bmod[2,5],\ (7\times 2+5)+5,\ 7\times 2+(5+5),\ 7^2-5\times 5,\ (7+5)\bmod[2,5]\}\},$$

$$\left\{\{2,5,5,8\},\left\{\left(2+\frac{5}{5}\right)8,\ (2+\text{Log}[5,5])\,8,\ \text{mod}[2,5]^5-8,\ \text{mod}[5-2,5]\,8,\right.\right.$$

$$(5-\text{mod}[2,5])\,8,\ \left(\frac{5}{5}+2\right)8,\ (\text{Log}[5,5]+2)\,8,\ 8\left(2+\frac{5}{5}\right),\ 8\,(2+\text{Log}[5,5]),$$

$$\left.\left.8\bmod[5-2,5],\ 8\,(5-\text{mod}[2,5]),\ 8\left(\frac{5}{5}+2\right),\ 8\,(\text{Log}[5,5]+2)\right\}\right\},$$

$$\{\{2,5,5,9\},\{(2\times 5+5)+9,\ 2\times 5+(5+9),\ (2\times 5+9)+5,\ 2\times 5+(9+5),\ (5-2)\,5+9,$$
$$(5\times 2+5)+9,\ (5+2\times 5)+9,\ 5\times 2+(5+9),\ 5+(2\times 5+9),\ (5\times 2+9)+5,$$
$$5\times 2+(9+5),\ (5+5\times 2)+9,\ 5\,(5-2)+9,\ 5+(5\times 2+9),\ 5\times 5-\text{mod}[9,2],$$
$$(5+9)+2\times 5,\ 5+(9+2\times 5),\ (5+9)+5\times 2,\ 5+(9+5\times 2),\ (9+2\times 5)+5,$$
$$9+(2\times 5+5),\ 9-(2-5)\,5,\ (9+5\times 2)+5,\ (9+5)+2\times 5,\ 9+(5-2)\,5,\ 9+(5\times 2+5),$$
$$9+(5+2\times 5),\ 9-5\,(2-5),\ (9+5)+5\times 2,\ 9+(5+5\times 2),\ 9+5\,(5-2)\}\},$$

$$\left\{\{2,5,5,10\},\left\{\left(5-\frac{2}{10}\right)5,\ 5\left(5-\frac{2}{10}\right)\right\}\right\},\ \left\{\{2,5,6,6\},\right.$$

$$\left\{\text{mod}[2\times 5,6]\,6,\ (2\times 5-6)\,6,\ \text{mod}[2,5]\,(6+6),\ \text{mod}\left[2^6,5\right]6,\ \text{mod}[5\times 2,6]\,6,\ (5\times 2-6)\,6,\right.$$

$$(5-2)\,6+6,\ 5^2-\frac{6}{6},\ 5^2-\text{Log}[6,6],\ \text{mod}[6-2,5]\,6,\ (6-\text{mod}[2,5])\,6,\ 6\bmod[2\times 5,6],$$

$$6-(2-5)\,6,\ 6\,(2\times 5-6),\ 6\bmod\left[2^6,5\right],\ 6\,(5-2)+6,\ 6+(5-2)\,6,\ 6\bmod[5\times 2,6],$$

$$\left.\left.6\,(5\times 2-6),\ (6+6)\bmod[2,5],\ 6\bmod[6-2,5],\ 6\,(6-\text{mod}[2,5]),\ 6-6\,(2-5),\ 6+6\,(5-2)\right\}\right\},$$

$$\left\{\{2,5,6,7\},\left\{2\,(\text{mod}[5,6]+7),\ ((2-5)+7)\,6,\ \text{mod}\left[2^5,7\right]6,\ (2-(5-7))\,6,\right.\right.$$

$$\text{mod}[2,6]\,(5+7),\ (2\times 6+5)+7,\ 2\times 6+(5+7),\ \text{mod}[2,6]\,(7+5),\ (2\times 6+7)+5,$$
$$2\times 6+(7+5),\ (2\times 6)\bmod[7,5],\ 2\,(6\bmod[7,5]),\ (2\times 6)\,(7-5),\ 2\,(6\,(7-5)),$$
$$(2\bmod[7,5])\,6,\ (2+\text{mod}[7,5])\,6,\ \text{mod}[2\times 7,5]\,6,\ \text{mod}[2+7,5]\,6,\ 2^{\text{mod}[7,5]}\,6,$$
$$2^{7-5}\,6,\ (2\,(7-5))\,6,\ (2+(7-5))\,6,\ ((2+7)-5)\,6,\ 2\,(\text{mod}[7,5]\,6),\ 2\,((7-5)\,6),$$
$$2\,(7+\text{mod}[5,6]),\ (5+2\times 6)+7,\ 5+(2\times 6+7),\ 5^2+(6-7),\ \left(5^2+6\right)-7,\ \text{mod}\left[5^2,7\right]6,$$
$$\left(5^2-7\right)+6,\ 5^2-\text{mod}[7,6],\ 5^2-(7-6),\ (5+6\times 2)+7,\ 5+(6\times 2+7),\ (\text{mod}[5,6]+7)\,2,$$
$$(5-\text{mod}[7,2])\,6,\ (5+7)+2\times 6,\ 5+(7+2\times 6),\ \frac{(5+7)^2}{6},\ (5+7)\bmod[2,6],\ (5+7)+6\times 2,$$
$$5+(7+6\times 2),\ (6\times 2+5)+7,\ 6\,((2-5)+7),\ 6\times 2+(5+7),\ \frac{6}{2^{5-7}},\ 6\bmod\left[2^5,7\right],$$
$$6\,(2-(5-7)),\ 6^2-(5+7),\ \left(6^2-5\right)-7,\ (6\times 2+7)+5,\ 6\times 2+(7+5),\ (6\times 2)\bmod[7,5],$$
$$6\,(2\bmod[7,5]),\ 6\,(2+\text{mod}[7,5]),\ 6\bmod[2\times 7,5],\ 6\bmod[2+7,5],\ 6\times 2^{\text{mod}[7,5]},$$
$$6\times 2^{7-5},\ (6\times 2)\,(7-5),\ 6\,(2\,(7-5)),\ 6\,(2+(7-5)),\ 6\,((2+7)-5),\ 6^2-(7+5),$$
$$\left(6^2-7\right)-5,\ 6\bmod\left[5^2,7\right],\ 6+\left(5^2-7\right),\ \left(6+5^2\right)-7,\ 6\,(5-\text{mod}[7,2]),\ 6\bmod[7\times 2,5],$$
$$6\bmod[7+2,5],\ 6\bmod\left[7^2,5\right],\ 6\,(7+(2-5)),\ 6\,((7+2)-5),\ (6\bmod[7,5])\,2,$$
$$(6\,(7-5))\,2,\ 6\,(\text{mod}[7,5]\,2),\ 6\,((7-5)\,2),\ 6\,(\text{mod}[7,5]+2),\ 6\,((7-5)+2),$$
$$(6-7)+5^2,\ 6\bmod[7,5]^2,\ 6\,(7-5)^2,\ 6-\left(7-5^2\right),\ 6\,(7-(5-2)),\ \text{mod}[7\times 2,5]\,6,$$
$$\text{mod}[7+2,5]\,6,\ \text{mod}\left[7^2,5\right]6,\ (7+(2-5))\,6,\ ((7+2)-5)\,6,\ (7+2\times 6)+5,\ 7+(2\times 6+5),$$
$$(\text{mod}[7,5]\,2)\,6,\ ((7-5)\,2)\,6,\ (\text{mod}[7,5]+2)\,6,\ ((7-5)+2)\,6,\ \text{mod}[7,5]^2\,6,\ (7-5)^2\,6,$$
$$(7-(5-2))\,6,\ \text{mod}[7,5]\,(2\times 6),\ (7-5)\,(2\times 6),\ (7+5)+2\times 6,\ 7+(5+2\times 6),\ \frac{(7+5)^2}{6},$$
$$(7+5)\bmod[2,6],\ (\text{mod}[7,5]\,6)\,2,\ ((7-5)\,6)\,2,\ (7+\text{mod}[5,6])\,2,\ \text{mod}[7,5]\,(6\times 2),$$
$$(7-5)\,(6\times 2),\ (7+5)+6\times 2,\ 7+(5+6\times 2),\ (7+6\times 2)+5,\ 7+(6\times 2+5)\left.\right\}\right\},$$

$$\left\{\{2,5,6,8\},\left\{((2-5)+6)\,8,\ (2-(5-6))\,8,\ (2\times 5+6)+8,\ 2\times 5+(6+8),\ 2^5\,\frac{6}{8},\right.\right.$$

$$\left.\left.\frac{2^5\,6}{8},\ 2+(5\times 6-8),\ (2+5\times 6)-8,\ 2^{\text{mod}[5,6]}-8,\ \frac{2^5}{8}\,6,\ (2\times 5+8)+6,\ 2\times 5+(8+6),\right.\right.$$

$$\frac{2^5}{\frac{8}{6}},\ (2+\text{mod}[6,5])\ 8,\ \text{mod}[2+6,5]\ 8,\ (2+(6-5))\ 8,\ ((2+6)-5)\ 8,\ 2+(6\times 5-8),$$

$$(2+6\times 5)-8,\ 2^6-5\times 8,\ \text{mod}[2,6]^5-8,\ (2+6)\ \text{mod}[8,5],\ (2+6)\ (8-5),\ 2^6-8\times 5,$$
$$(2-8)+5\times 6,\ 2-(8-5\times 6),\ (2-8)+6\times 5,\ 2-(8-6\times 5),\ \text{mod}[5-2,6]\ 8,\ (5-\text{mod}[2,6])\ 8,$$
$$(5\times 2+6)+8,\ 5\times 2+(6+8),\ (5\times 2+8)+6,\ 5\times 2+(8+6),\ (\text{mod}[5,6]-2)\ 8,\ 5\times 6+(2-8),$$

$$(5\times 6+2)-8,\ (5\times 6-8)+2,\ 5\times 6-(8-2),\ 5\ (8-2)-6,\ \frac{6}{\text{mod}[2,5]}\ 8,\ \text{mod}[6+2,5]\ 8,$$

$$\text{mod}\left[\frac{6}{2},5\right]\ 8,\ (6+(2-5))\ 8,\ ((6+2)-5)\ 8,\ (6+2\times 5)+8,\ 6+(2\times 5+8),\ \frac{6}{\frac{\text{mod}[2,5]}{8}},$$

$$6\ \frac{2^5}{8},\ \frac{6\times 2^5}{8},\ (6+2)\ \text{mod}[8,5],\ (6+2)\ (8-5),\ (\text{mod}[6,5]+2)\ 8,\ ((6-5)+2)\ 8,$$
$$(6-(5-2))\ 8,\ (6+5\times 2)+8,\ 6+(5\times 2+8),\ 6\times 5+(2-8),\ (6\times 5+2)-8,\ (6\times 5-8)+2,$$
$$6\times 5-(8-2),\ (6+8)+2\times 5,\ 6+(8+2\times 5),\ \frac{6}{\frac{8}{2^5}},\ 6\ \frac{8}{\text{mod}[2,5]},\ \frac{6\times 8}{\text{mod}[2,5]},\ 6\ \text{mod}\left[\frac{8}{2},5\right],$$

$$6\ \text{mod}\left[8^2,5\right],\ \frac{6}{8}\ 2^5,\ (6+8)+5\times 2,\ 6+(8+5\times 2),\ \frac{8}{\text{mod}[2,5]}\ 6,\ \text{mod}\left[\frac{8}{2},5\right]\ 6,\ \text{mod}\left[8^2,5\right]\ 6,$$

$$(8+2\times 5)+6,\ 8\ ((2-5)+6),\ 8+(2\times 5+6),\ \frac{8}{\frac{\text{mod}[2,5]}{6}},\ 8\ (2-(5-6)),\ (8-2)\ 5-6,$$

$$8\ (2+\text{mod}[6,5]),\ 8\ \text{mod}[2+6,5],\ 8\ (2+(6-5)),\ 8\ ((2+6)-5),\ \text{mod}[8,5]\ (2+6),$$
$$(8-5)\ (2+6),\ (8+5\times 2)+6,\ 8+(5\times 2+6),\ 8\ \text{mod}[5-2,6],\ 8\ (5-\text{mod}[2,6]),$$
$$\text{mod}[8,5]\ (6+2),\ (8-5)\ (6+2),\ 8\ (\text{mod}[5,6]-2),\ (8+6)+2\times 5,\ 8+(6+2\times 5),$$
$$8\ \frac{6}{\text{mod}[2,5]},\ \frac{8\times 6}{\text{mod}[2,5]},\ 8\ \text{mod}[6+2,5],\ 8\ \text{mod}\left[\frac{6}{2},5\right],\ 8\ (6+(2-5)),\ 8\ ((6+2)-5),$$
$$8\ (\text{mod}[6,5]+2),\ 8\ ((6-5)+2),\ (8+6)+5\times 2,\ 8+(6+5\times 2),\ 8\ (6-(5-2))\Big\}\Big\},$$

$$\Big\{\{2,5,6,9\},\ \Big\{\text{mod}[2,5]\ 9+6,\ \frac{5}{2}\ 6+9,\ \frac{5}{\frac{2}{6}}+9,\ 5\times\frac{6}{2}+9,\ \frac{5\times 6}{2}+9,\ (5-\text{mod}[9,2])\ 6,$$

$$\frac{6}{2}\ 5+9,\ \frac{6}{\frac{2}{5}}+9,\ 6+\text{mod}[2,5]\ 9,\ 6\times\frac{5}{2}+9,\ \frac{6\times 5}{2}+9,\ \frac{6^{5-2}}{9},\ 6\ (5-\text{mod}[9,2]),\ 6+9\ \text{mod}[2,5],$$

$$9\ \text{mod}[2,5]+6,\ 9+\frac{5}{2}\ 6,\ 9+\frac{5}{\frac{2}{6}},\ 9+5\times\frac{6}{2},\ 9+\frac{5\times 6}{2},\ 9+\frac{6}{2}\ 5,\ 9+\frac{6}{\frac{2}{5}},\ 9+6\times\frac{5}{2},\ 9+\frac{6\times 5}{2}\Big\}\Big\},$$

$$\Big\{\{2,5,6,10\},\ \Big\{\left(\frac{2}{5}\ 6\right)\ 10,\ \frac{2}{\frac{5}{6}}\ 10,\ \frac{2}{5}\ (6\times 10),\ \frac{2}{\frac{5}{6\times 10}},\ \frac{2}{\frac{5}{\frac{6}{10}}},\ \left(\frac{2}{5}\ 10\right)\ 6,\ \frac{2}{\frac{5}{10}}\ 6,\ \text{root}[2,5]^{10}\ 6,$$

$$\frac{2}{5}\ (10\times 6),\ \frac{2}{\frac{5}{10\times 6}},\ \frac{2}{\frac{5}{\frac{10}{6}}},\ 2\ (5+10)-6,\ \left(2\times\frac{6}{5}\right)\ 10,\ \frac{2\times 6}{5}\ 10,\ 2\left(\frac{6}{5}\ 10\right),\ 2\ \frac{6}{\frac{5}{10}},\ \frac{2\times 6}{\frac{5}{10}},$$

$$(2\times 6)\ \frac{10}{5},\ 2\left(6\times\frac{10}{5}\right),\ 2\ \frac{6\times 10}{5},\ \frac{(2\times 6)\ 10}{5},\ \frac{2\ (6\times 10)}{5},\ \left(2\times\frac{10}{5}\right)\ 6,\ \left(2+\frac{10}{5}\right)\ 6,\ \frac{2\times 10}{5}\ 6,$$

$$\text{mod}\left[2^{10},5\right]\ 6,\ 2^{\frac{10}{5}}\ 6,\ \text{root}\left[2^{10},5\right]\ 6,\ 2\left(\frac{10}{5}\ 6\right),\ 2\ \frac{10}{\frac{5}{6}},\ \frac{2\times 10}{\frac{5}{6}},\ 2\ (10+5)-6,\ (2\times 10)\ \frac{6}{5},$$

$$2\left(10\times\frac{6}{5}\right),\ 2\ \frac{10\times 6}{5},\ \frac{(2\times 10)\ 6}{5},\ \frac{2\ (10\times 6)}{5},\ (5-2)\ 10-6,\ (5+10)\ 2-6,\ \left(6\times\frac{2}{5}\right)\ 10,$$

$$\frac{6\times 2}{5}\,10,\ 6\left(\frac{2}{5}\,10\right),\ 6\,\frac{2}{\frac{5}{10}},\ \frac{6\times 2}{\frac{5}{10}},\ 6\,\text{root}[2,\,5]^{10},\ (6\times 2)\,\frac{10}{5},\ 6\left(2\times\frac{10}{5}\right),\ 6\left(2+\frac{10}{5}\right),$$

$$6\,\frac{2\times 10}{5},\ \frac{(6\times 2)\,10}{5},\ \frac{6\,(2\times 10)}{5},\ 6\,\text{mod}\left[2^{10},\,5\right],\ 6\times 2^{\frac{10}{5}},\ 6\,\text{root}\left[2^{10},\,5\right],\ \left(\frac{6}{5}\,2\right)10,\ \frac{6}{\frac{5}{2}}\,10,$$

$$\frac{6}{5}\,(2\times 10),\ \frac{6}{\frac{5}{2\times 10}},\ \frac{6}{\frac{\frac{5}{2}}{10}},\ \left(\frac{6}{5}\,10\right)2,\ \frac{6}{\frac{5}{10}}\,2,\ \frac{6}{5}\,(10\times 2),\ \frac{6}{\frac{5}{10\times 2}},\ \frac{6}{\frac{\frac{5}{10}}{2}},\ \frac{6}{\left(\frac{5}{10}\right)^2},\ (6\times 10)\,\frac{2}{5},$$

$$6\left(10\times\frac{2}{5}\right),\ 6\,\frac{10\times 2}{5},\ \frac{(6\times 10)\,2}{5},\ \frac{6\,(10\times 2)}{5},\ \left(6\times\frac{10}{5}\right)2,\ \frac{6\times 10}{5}\,2,\ 6\left(\frac{10}{5}\,2\right),\ 6\left(\frac{10}{5}+2\right),$$

$$6\,\frac{10}{\frac{5}{2}},\ \frac{6\times 10}{\frac{5}{2}},\ 6\left(\frac{10}{5}\right)^2,\ \left(10\times\frac{2}{5}\right)6,\ \frac{10\times 2}{5}\,6,\ 10\left(\frac{2}{5}\,6\right),\ 10\,\frac{2}{\frac{5}{6}},\ \frac{10\times 2}{\frac{5}{6}},\ (10\times 2)\,\frac{6}{5},\ 10\left(2\times\frac{6}{5}\right),$$

$$10\,\frac{2\times 6}{5},\ \frac{(10\times 2)\,6}{5},\ \frac{10\,(2\times 6)}{5},\ \left(\frac{10}{5}\,2\right)6,\ \left(\frac{10}{5}+2\right)6,\ \frac{10}{\frac{5}{2}}\,6,\ \left(\frac{10}{5}\right)^2 6,\ \frac{10}{5}\,(2\times 6),\ \frac{10}{\frac{5}{2\times 6}},$$

$$\frac{10}{\frac{\frac{5}{2}}{6}},\ (10+5)\,2-6,\ 10\,(5-2)-6,\ \left(\frac{10}{5}\,6\right)2,\ \frac{10}{\frac{5}{6}}\,2,\ \frac{10}{5}\,(6\times 2),\ \frac{10}{\frac{5}{6\times 2}},\ \frac{10}{\frac{\frac{5}{6}}{2}},\ (10\times 6)\,\frac{2}{5},$$

$$10\left(6\times\frac{2}{5}\right),\ 10\,\frac{6\times 2}{5},\ \frac{(10\times 6)\,2}{5},\ \frac{10\,(6\times 2)}{5},\ \left(10\times\frac{6}{5}\right)2,\ \frac{10\times 6}{5}\,2,\ 10\left(\frac{6}{5}\,2\right),\ 10\,\frac{6}{\frac{5}{2}},\ \frac{10\times 6}{\frac{5}{2}}\Big\}\Big\},$$

$$\Big\{\{2,\,5,\,7,\,7\},\ \Big\{(2\times 5+7)+7,\ 2\,(\text{mod}[5,\,7]+7),\ 2\times 5+(7+7),\ \text{mod}[2,\,7]\,(5+7),$$

$$2\,(7+\text{mod}[5,\,7]),\ \text{mod}[2,\,7]\,(7+5),\ (5\times 2+7)+7,\ 5\times 2+(7+7),\ 5^2-\frac{7}{7},$$

$$5^2-\text{Log}[7,\,7],\ (5+7)\,\text{mod}[2,\,7],\ (\text{mod}[5,\,7]+7)\,2,\ (7+2\times 5)+7,$$

$$7+(2\times 5+7),\ (7+5\times 2)+7,\ 7+(5\times 2+7),\ (7+5)\,\text{mod}[2,\,7],\ (7+\text{mod}[5,\,7])\,2,$$

$$(7+7)+2\times 5,\ 7+(7+2\times 5),\ (7+7)+5\times 2,\ 7+(7+5\times 2),\ 7\times 7-5^2\Big\}\Big\},$$

$$\Big\{\{2,\,5,\,7,\,8\},\ \Big\{\text{mod}[2\times 5,\,7]\,8,\ (2\times 5-7)\,8,\ 2\,(5+\text{mod}[7,\,8]),\ 2^{\text{mod}[5,7]}-8,$$

$$2\,(\text{mod}[5,\,8]+7),\ \text{mod}\left[2^7,\,5\right]8,\ 2\,(7+\text{mod}[5,\,8]),\ \text{mod}[2,\,7]^5-8,\ 2\,(\text{mod}[7,\,8]+5),$$

$$\frac{2^7-8}{5},\ \text{mod}[2,\,8]\,(5+7),\ \text{mod}[2,\,8]\,(7+5),\ \text{mod}[5\times 2,\,7]\,8,\ \text{mod}[5-2,\,7]\,8,$$

$$(5-\text{mod}[2,\,7])\,8,\ (5\times 2-7)\,8,\ 5^2+(7-8),\ \left(5^2+7\right)-8,\ \left(5^2-8\right)+7,\ 5^2-\text{mod}[8,\,7],$$

$$5^2-(8-7),\ (\text{mod}[5,\,7]-2)\,8,\ (5+7)\,\text{mod}[2,\,8],\ (5+\text{mod}[7,\,8])\,2,\ (\text{mod}[5,\,8]+7)\,2,$$

$$(7+5)\,\text{mod}[2,\,8],\ 7+\left(5^2-8\right),\ \left(7+5^2\right)-8,\ (7+\text{mod}[5,\,8])\,2,\ 7\times 8-2^5,\ (\text{mod}[7,\,8]+5)\,2,$$

$$(7-8)+5^2,\ 7-\left(8-5^2\right),\ 8\,\text{mod}[2\times 5,\,7],\ 8\,(2\times 5-7),\ 8\,\text{mod}\left[2^7,\,5\right],\ 8\,\text{mod}[5\times 2,\,7],$$

$$8\,\text{mod}[5-2,\,7],\ 8\,(5-\text{mod}[2,\,7]),\ 8\,(5\times 2-7),\ 8\,(\text{mod}[5,\,7]-2),\ 8\times 7-2^5\Big\}\Big\},$$

$$\{\{2,\,5,\,7,\,9\},\ \{2\,(5+\text{mod}[7,\,9]),\ 2\,(\text{mod}[5,\,9]+7),\ 2\,(7+\text{mod}[5,\,9]),\ 2\,(\text{mod}[7,\,9]+5),$$
$$\text{mod}[2,\,9]\,(5+7),\ \text{mod}[2,\,9]\,(7+5),\ (5+7)\,\text{mod}[2,\,9],\ 5\times 7-(2+9),\ (5\times 7-2)-9,$$
$$(5+\text{mod}[7,\,9])\,2,\ 5\times 7-(9+2),\ (5\times 7-9)-2,\ (\text{mod}[5,\,9]+7)\,2,\ (7+5)\,\text{mod}[2,\,9],$$
$$7\times 5-(2+9),\ (7\times 5-2)-9,\ (7+\text{mod}[5,\,9])\,2,\ 7\times 5-(9+2),\ (7\times 5-9)-2,\ (\text{mod}[7,\,9]+5)\,2\}\},$$

$$\{\{2,\,5,\,7,\,10\},\ \{\text{mod}[2,\,5]\,7+10,\ ((2+5)+7)+10,\ (2+(5+7))+10,\ (2+5)+(7+10),$$
$$2+((5+7)+10),\ 2+(5+(7+10)),\ 2\,(5+\text{mod}[7,\,10]),\ ((2+5)+10)+7,\ (2+(5+10))+7,$$
$$2\,(\text{mod}[5,\,10]+7),\ (2+5)+(10+7),\ 2+((5+10)+7),\ 2+(5+(10+7)),\ ((2+7)+5)+10,$$
$$(2+(7+5))+10,\ 2\,(\text{mod}[7,\,5]+10),\ 2\,((7-5)+10),\ (2+7)+(5+10),\ 2+((7+5)+10),$$
$$2+(7+(5+10)),\ 2\,(7+\text{mod}[5,\,10]),\ 2\,(7-(5-10)),\ ((2+7)+10)+5,\ (2+(7+10))+5,$$
$$2\,(\text{mod}[7,\,10]+5),\ (2+7)+(10+5),\ 2+((7+10)+5),\ 2+(7+(10+5)),\ 2\,(7+(10-5)),$$
$$2\,((7+10)-5),\ \text{mod}[2,\,10]\,(5+7),\ ((2+10)+5)+7,\ (2+(10+5))+7,\ 2\,((10-5)+7),$$
$$(2+10)+(5+7),\ 2+((10+5)+7),\ 2+(10+(5+7)),\ 2\,(10-(5-7)),\ \text{mod}[2,\,10]\,(7+5),$$
$$((2+10)+7)+5,\ (2+(10+7))+5,\ (2+10)+(7+5),\ 2+((10+7)+5),\ 2+(10+(7+5)),$$

$$(2+10)\bmod[7,5],\ 2\,(10+\bmod[7,5]),\ (2+10)\,(7-5),\ 2\,(10+(7-5)),\ 2\,((10+7)-5),$$
$$((5+2)+7)+10,\ (5+(2+7))+10,\ (5+2)+(7+10),\ 5+((2+7)+10),\ 5+(2+(7+10)),$$
$$((5+2)+10)+7,\ (5+(2+10))+7,\ (5+2)+(10+7),\ 5+((2+10)+7),\ 5+(2+(10+7)),$$
$$((5+7)+2)+10,\ (5+(7+2))+10,\ (5+7)+(2+10),\ 5+((7+2)+10),\ 5+(7+(2+10)),$$
$$(5+7)\bmod[2,10],\ (5+\bmod[7,10])\,2,\ ((5+7)+10)+2,\ (5+(7+10))+2,\ (5+7)+(10+2),$$
$$5+((7+10)+2),\ 5+(7+(10+2)),\ ((5+10)+2)+7,\ (5+(10+2))+7,\ (5+10)+(2+7),$$
$$5+((10+2)+7),\ 5+(10+(2+7)),\ (\bmod[5,10]+7)\,2,\ ((5+10)+7)+2,\ (5+(10+7))+2,$$
$$(5+10)+(7+2),\ 5+((10+7)+2),\ 5+(10+(7+2)),\ ((7+2)+5)+10,\ (7+(2+5))+10,$$
$$7\bmod[2,5]+10,\ (7+2)+(5+10),\ 7+((2+5)+10),\ 7+(2+(5+10)),\ ((7+2)+10)+5,$$
$$(7+(2+10))+5,\ (7+2)+(10+5),\ 7+((2+10)+5),\ 7+(2+(10+5)),\ \bmod[7,5]\,(2+10),$$
$$(7-5)\,(2+10),\ ((7+5)+2)+10,\ (7+(5+2))+10,\ (7+5)+(2+10),\ 7+((5+2)+10),$$
$$7+(5+(2+10)),\ (7+5)\bmod[2,10],\ (\bmod[7,5]+10)\,2,\ ((7-5)+10)\,2,\ (7+\bmod[5,10])\,2,$$
$$(7-(5-10))\,2,\ \bmod[7,5]\,(10+2),\ (7-5)\,(10+2),\ ((7+5)+10)+2,\ (7+(5+10))+2,$$
$$(7+5)+(10+2),\ 7+((5+10)+2),\ 7+(5+(10+2)),\ ((7+10)+2)+5,\ (7+(10+2))+5,$$
$$(7+10)+(2+5),\ 7+((10+2)+5),\ 7+(10+(2+5)),\ (\bmod[7,10]+5)\,2,\ (7+(10-5))\,2,$$
$$((7+10)-5)\,2,\ ((7+10)+5)+2,\ (7+(10+5))+2,\ (7+10)+(5+2),\ 7+((10+5)+2),$$
$$7+(10+(5+2)),\ ((10+2)+5)+7,\ (10+(2+5))+7,\ 10+\bmod[2,5]\,7,\ (10+2)+(5+7),$$
$$10+((2+5)+7),\ 10+(2+(5+7)),\ ((10+2)+7)+5,\ (10+(2+7))+5,\ (10+2)+(7+5),$$
$$10+((2+7)+5),\ 10+(2+(7+5)),\ (10+2)\bmod[7,5],\ (10+2)\,(7-5),\ ((10+5)+2)+7,$$
$$(10+(5+2))+7,\ (10+5)+(2+7),\ 10+((5+2)+7),\ 10+(5+(2+7)),\ ((10-5)+7)\,2,$$
$$(10-(5-7))\,2,\ ((10+5)+7)+2,\ (10+(5+7))+2,\ (10+5)+(7+2),\ 10+((5+7)+2),$$
$$10+(5+(7+2)),\ ((10+7)+2)+5,\ (10+(7+2))+5,\ (10+7)+(2+5),\ 10+((7+2)+5),$$
$$10+(7+(2+5)),\ 10+7\bmod[2,5],\ (10+\bmod[7,5])\,2,\ (10+(7-5))\,2,\ ((10+7)-5)\,2,$$
$$((10+7)+5)+2,\ (10+(7+5))+2,\ (10+7)+(5+2),\ 10+((7+5)+2),\ 10+(7+(5+2))\}\},$$

$$\Big\{\{2,5,8,8\},\ \Big\{\mathrm{Log}[\bmod[2,5],8]\,8,\ \bmod[2,5]\,8+8,\ \mathrm{Log}\left[\bmod[2,5],8^8\right],\ 2^{\bmod[5,8]}-8,$$
$$\bmod[\mathrm{Log}[2,8],5]\,8,\ \bmod[2,8]^5-8,\ \bmod[5-2,8]\,8,\ (5-\bmod[2,8])\,8,$$
$$5^2-\frac{8}{8},\ 5^2-\mathrm{Log}[8,8],\ (\bmod[5,8]-2)\,8,\ 5\times 8-2\times 8,\ \frac{5\times 8+8}{2},\ 5\times 8-8\times 2,$$
$$8\bmod[2,5]+8,\ 8+\bmod[2,5]\,8,\ 8\,\mathrm{Log}[\bmod[2,5],8],\ 8^2-5\times 8,\ 8\bmod[\mathrm{Log}[2,8],5],$$
$$8^2-8\times 5,\ 8\bmod[5-2,8],\ 8\,(5-\bmod[2,8]),\ 8\times 5-2\times 8,\ \frac{8\times 5+8}{2},\ \frac{8+5\times 8}{2},$$
$$8\times 5-8\times 2,\ 8\,(\bmod[5,8]-2),\ \frac{8}{\mathrm{Log}[8,\bmod[2,5]]},\ 8+8\bmod[2,5],\ \frac{8+8\times 5}{2}\Big\}\Big\},$$

$$\Big\{\{2,5,8,9\},\ \Big\{((2+5)+8)+9,\ (2+(5+8))+9,\ (2+5)+(8+9),\ 2+((5+8)+9),$$
$$2+(5+(8+9)),\ 2^5-\bmod[8,9],\ ((2+5)+9)+8,\ (2+(5+9))+8,\ (2+5)+(9+8),$$
$$2+((5+9)+8),\ 2+(5+(9+8)),\ 2^{\bmod[5,9]}-8,\ \mathrm{Log}[2,8]\,5+9,\ ((2+8)+5)+9,$$
$$(2+(8+5))+9,\ \mathrm{Log}\left[2,8^5\right]+9,\ 2\,(\bmod[8,5]+9),\ 2\,((8-5)+9),\ (2+8)+(5+9),$$
$$2+((8+5)+9),\ 2+(8+(5+9)),\ (2-8)\,(5-9),\ 2\,(8-(5-9)),\ ((2+8)+9)+5,$$
$$(2+(8+9))+5,\ (2+8)+(9+5),\ 2+((8+9)+5),\ 2+(8+(9+5)),\ 2\,(8+\bmod[9,5]),$$
$$2\,(8+(9-5)),\ 2\,((8+9)-5),\ \bmod[2\times 9,5]\,8,\ ((2+9)+5)+8,\ (2+(9+5))+8,$$
$$2\,(\bmod[9,5]+8),\ 2^{\bmod[9,5]}+8,\ 2^{9-5}+8,\ 2\,((9-5)+8),\ (2+9)+(5+8),\ 2+((9+5)+8),$$
$$2+(9+(5+8)),\ 2\,(9-(5-8)),\ \bmod[2,9]^5-8,\ ((2+9)+8)+5,\ (2+(9+8))+5,$$
$$(2+9)+(8+5),\ 2+((9+8)+5),\ 2+(9+(8+5)),\ 2\,(9+\bmod[8,5]),\ 2\,(9+(8-5)),$$
$$2\,((9+8)-5),\ ((5+2)+8)+9,\ (5+(2+8))+9,\ 5\,\mathrm{Log}[2,8]+9,\ (5+2)+(8+9),$$
$$5+((2+8)+9),\ 5+(2+(8+9)),\ (5-2)\bmod[8,9],\ 5^2+(8-9),\ \left(5^2+8\right)-9,\ \bmod[5-2,9]\,8,$$
$$(5-\bmod[2,9])\,8,\ ((5+2)+9)+8,\ (5+(2+9))+8,\ \left(5^2-9\right)+8,\ (5+2)+(9+8),$$
$$5+((2+9)+8),\ 5+(2+(9+8)),\ 5^2-\bmod[9,8],\ 5^2-(9-8),\ ((5+8)+2)+9,$$
$$(5+(8+2))+9,\ \frac{5}{\mathrm{Log}[8,2]}+9,\ (5+8)+(2+9),\ 5+((8+2)+9),\ 5+(8+(2+9)),$$
$$((5+8)+9)+2,\ (5+(8+9))+2,\ (5+8)+(9+2),\ 5+((8+9)+2),\ 5+(8+(9+2)),$$
$$(\bmod[5,9]-2)\,8,\ ((5+9)+2)+8,\ (5+(9+2))+8,\ (5+9)+(2+8),\ 5+((9+2)+8),$$
$$5+(9+(2+8)),\ (5-9)\,(2-8),\ ((5+9)+8)+2,\ (5+(9+8))+2,\ (5+9)+(8+2),$$
$$5+((9+8)+2),\ 5+(9+(8+2)),\ ((8+2)+5)+9,\ (8+(2+5))+9,\ (8+2)+(5+9),$$
$$8+((2+5)+9),\ 8+(2+(5+9)),\ ((8+2)+9)+5,\ (8+(2+9))+5,\ (8+2)+(9+5),$$
$$8+((2+9)+5),\ 8+(2+(9+5)),\ (8-2)\bmod[9,5],\ 8\bmod[2\times 9,5],\ 8+2^{\bmod[9,5]},$$

$$8+2^{9-5},\ (8-2)\ (9-5),\ \frac{8}{5-2}\ 9,\ ((8+5)+2)+9,\ (8+(5+2))+9,\ (8+5)+(2+9),$$

$$8+((5+2)+9),\ 8+(5+(2+9)),\ \frac{8}{\frac{5-2}{9}},\ 8\ \text{mod}[5-2,\ 9],\ 8\ (5-\text{mod}[2,\ 9]),\ 8+\left(5^2-9\right),$$

$$\left(8+5^2\right)-9,\ (\text{mod}[8,\ 5]+9)\ 2,\ ((8-5)+9)\ 2,\ (8-(5-9))\ 2,\ ((8+5)+9)+2,$$
$$(8+(5+9))+2,\ (8+5)+(9+2),\ 8+((5+9)+2),\ 8+(5+(9+2)),\ 8\ (\text{mod}[5,\ 9]-2),$$
$$((8+9)+2)+5,\ (8+(9+2))+5,\ (8+9)+(2+5),\ 8+((9+2)+5),\ 8+(9+(2+5)),$$
$$8\ \text{mod}[9\times 2,\ 5],\ 8\ \text{mod}[\text{root}[9,\ 2],\ 5],\ 8\ \text{root}[9,\ \text{mod}[2,\ 5]],\ (8+\text{mod}[9,\ 5])\ 2,$$
$$(8+(9-5))\ 2,\ ((8+9)-5)\ 2,\ ((8+9)+5)+2,\ (8+(9+5))+2,\ (8+9)+(5+2),$$

$$8+((9+5)+2),\ 8+(9+(5+2)),\ 8\ \frac{9}{5-2},\ \frac{8\times 9}{5-2},\ (8-9)+5^2,\ 8+\text{mod}[9,\ 5]^2,\ 8+(9-5)^2,$$

$$\text{mod}[8,\ 9]\ (5-2),\ 8-\left(9-5^2\right),\ \text{mod}[9\times 2,\ 5]\ 8,\ \text{mod}[\text{root}[9,\ 2],\ 5]\ 8,\ \text{root}[9,\ \text{mod}[2,\ 5]]\ 8,$$
$$((9+2)+5)+8,\ (9+(2+5))+8,\ (9+2)+(5+8),\ 9+((2+5)+8),\ 9+(2+(5+8)),$$
$$((9+2)+8)+5,\ (9+(2+8))+5,\ 9+\text{Log}[2,\ 8]\ 5,\ (9+2)+(8+5),\ 9+((2+8)+5),$$

$$9+(2+(8+5)),\ 9+\text{Log}\left[2,\ 8^5\right],\ \frac{9}{5-2}\ 8,\ ((9+5)+2)+8,\ (9+(5+2))+8,\ \text{mod}[9,\ 5]^2+8,$$

$$(9-5)^2+8,\ (9+5)+(2+8),\ 9+((5+2)+8),\ 9+(5+(2+8)),\ \frac{9}{\frac{5-2}{8}},\ 9+5\ \text{Log}[2,\ 8],$$

$$(\text{mod}[9,\ 5]+8)\ 2,\ ((9-5)+8)\ 2,\ (9-(5-8))\ 2,\ ((9+5)+8)+2,\ (9+(5+8))+2,$$

$$(9+5)+(8+2),\ 9+((5+8)+2),\ 9+(5+(8+2)),\ 9+\frac{5}{\text{Log}[8,\ 2]},\ \text{mod}[9,\ 5]\ (8-2),$$

$$(9-5)\ (8-2),\ ((9+8)+2)+5,\ (9+(8+2))+5,\ (9+8)+(2+5),\ 9+((8+2)+5),$$
$$9+(8+(2+5)),\ (9+\text{mod}[8,\ 5])\ 2,\ (9+(8-5))\ 2,\ ((9+8)-5)\ 2,\ ((9+8)+5)+2,$$
$$(9+(8+5))+2,\ (9+8)+(5+2),\ 9+((8+5)+2),\ 9+(8+(5+2)),\ 9\ \frac{8}{5-2},\ \frac{9\times 8}{5-2}\Big\}\Big\},$$

$$\Big\{\{2,\ 5,\ 8,\ 10\},\ \Big\{2^5-\text{mod}[8,\ 10],\ 2^{\text{mod}[5,10]}-8,\ (2-10)\ (5-8),\ 2^{10-5}-8,\ \text{mod}[2,\ 10]^5-8,$$
$$(5-2)\ \text{mod}[8,\ 10],\ \text{mod}[5-2,\ 10]\ 8,\ (5-\text{mod}[2,\ 10])\ 8,\ (5-8)\ (2-10),$$
$$(\text{mod}[5,\ 10]-2)\ 8,\ 8\ \text{mod}[5-2,\ 10],\ 8\ (5-\text{mod}[2,\ 10]),\ \text{mod}[8,\ 5]\ (10-2),$$
$$(8-5)\ (10-2),\ 8\ (\text{mod}[5,\ 10]-2),\ 8\ \text{mod}[10,\ 2+5],\ 8\ \text{mod}[10-2,\ 5],\ 8\ (10-(2+5)),$$
$$8\ ((10-2)-5),\ 8\ \text{mod}[10,\ 5+2],\ \text{mod}[8,\ 10]\ (5-2),\ 8\ (10-(5+2)),\ 8\ ((10-5)-2),$$
$$\text{mod}[10,\ 2+5]\ 8,\ \text{mod}[10-2,\ 5]\ 8,\ (10-(2+5))\ 8,\ ((10-2)-5)\ 8,\ (10-2)\ \text{mod}[8,\ 5],$$
$$(10-2)\ (8-5),\ \text{mod}[10,\ 5+2]\ 8,\ (10-(5+2))\ 8,\ ((10-5)-2)\ 8\Big\}\Big\},\ \Big\{\{2,\ 5,\ 9,\ 9\},$$

$$\Big\{5^2-\frac{9}{9},\ 5^2-\text{Log}[9,\ 9],\ 5\ \text{root}[9,\ 2]+9,\ \text{root}[9,\ 2]\ 5+9,\ 9+5\ \text{root}[9,\ 2],\ 9+\text{root}[9,\ 2]\ 5\Big\}\Big\},$$

$$\Big\{\{2,\ 5,\ 9,\ 10\},\ \Big\{(2\times 10-5)+9,\ 2\times 10-(5-9),\ 2\times 10+\text{mod}[9,\ 5],\ 2\times 10+(9-5),$$
$$(2\times 10+9)-5,\ 5^2+(9-10),\ \left(5^2+9\right)-10,\ \left(5^2-10\right)+9,\ 5^2-\text{mod}[10,\ 9],$$
$$5^2-(10-9),\ 9+(2\times 10-5),\ (9+2\times 10)-5,\ \text{mod}[9,\ 5]+2\times 10,\ (9-5)+2\times 10,$$
$$9-(5-2\times 10),\ 9+\left(5^2-10\right),\ \left(9+5^2\right)-10,\ \text{mod}[9,\ 5]+10\times 2,\ (9-5)+10\times 2,$$
$$9-(5-10\times 2),\ 9+(10\times 2-5),\ (9+10\times 2)-5,\ (9-10)+5^2,\ 9-\left(10-5^2\right),$$
$$(10\times 2-5)+9,\ 10\times 2-(5-9),\ 10\times 2+\text{mod}[9,\ 5],\ 10\times 2+(9-5),\ (10\times 2+9)-5\Big\}\Big\},$$

$$\Big\{\{2,\ 5,\ 10,\ 10\},\ \Big\{\frac{2+10}{5}\ 10,\ 2\left(\frac{10}{5}+10\right),\ \frac{2+10}{\frac{5}{10}},\ (2+10)\ \frac{10}{5},\ 2\left(10+\frac{10}{5}\right),\ \frac{(2+10)\ 10}{5},$$

$$5^2-\frac{10}{10},\ 5^2-\text{Log}[10,\ 10],\ \frac{10+2}{5}\ 10,\ \frac{10+2}{\frac{5}{10}},\ (10+2)\ \frac{10}{5},\ \frac{(10+2)\ 10}{5},\ 10\ \frac{2+10}{5},\ \frac{10\ (2+10)}{5},$$

$$\frac{10}{5}\ (2+10),\ \frac{10}{\frac{5}{2+10}},\ \left(\frac{10}{5}+10\right)\ 2,\ \frac{10}{5}\ (10+2),\ \frac{10}{\frac{5}{10+2}},\ 10\ \frac{10+2}{5},\ \frac{10\ (10+2)}{5},\ \left(10+\frac{10}{5}\right)\ 2\Big\}\Big\},$$

$$\Big\{\{2,\ 6,\ 6,\ 6\},\ \Big\{\text{mod}\left[2^6,\ 6\right]\ 6,\ \text{mod}[2,\ 6]\ (6+6),\ (2\times 6+6)+6,\ 2\times 6+(6+6),\ \text{mod}[6-2,\ 6]\ 6,$$

$$(6-\text{mod}[2,6])\,6,\ \frac{6}{2}\,6+6,\ (6\times 2+6)+6,\ (6+2\times 6)+6,\ \frac{6}{\frac{2}{6}}+6,\ 6\times 2+(6+6),\ 6+(2\times 6+6),$$

$$6\,\text{mod}\left[2^6,6\right],\ 6^2-(6+6),\ \left(6^2-6\right)-6,\ (6+6\times 2)+6,\ 6\times\frac{6}{2}+6,\ \frac{6\times 6}{2}+6,\ (6+6)+2\times 6,$$

$$6+\frac{6}{2}\,6,\ 6+(6\times 2+6),\ 6+(6+2\times 6),\ 6+\frac{6}{\frac{2}{6}},\ \frac{(6+6)^2}{6},\ (6+6)\,\text{mod}[2,6],\ 6\,\text{mod}[6-2,6],$$

$$6\,(6-\text{mod}[2,6]),\ 6\times 6-2\times 6,\ (6+6)+6\times 2,\ 6+(6+6\times 2),\ 6+6\times\frac{6}{2},\ 6+\frac{6\times 6}{2},\ 6\times 6-6\times 2\Big\}\Big\},$$

$$\Big\{\{2,6,6,7\},\ \Big\{2\,(6+\text{mod}[6,7]),\ 2\,(\text{mod}[6,7]+6),\ \text{mod}[2,7]\,(6+6),\ (6-2)\,\text{mod}[6,7],$$
$$\text{mod}[6-2,7]\,6,\ (6-\text{mod}[2,7])\,6,\ (6+6)\,\text{mod}[2,7],\ 6\,\text{mod}[6-2,7],\ 6\,(6-\text{mod}[2,7]),$$
$$(6+\text{mod}[6,7])\,2,\ \frac{6+6\times 7}{2},\ 6\,(\text{mod}[6,7]-2),\ (\text{mod}[6,7]-2)\,6,\ 6\,(7-2)-6,\ (\text{mod}[6,7]+6)\,2,$$
$$\frac{6\times 7+6}{2},\ \frac{6+7\times 6}{2},\ \text{mod}[6,7]\,(6-2),\ 6\left(7-\frac{6}{2}\right),\ (7-2)\,6-6,\ \left(7-\frac{6}{2}\right)6,\ \frac{7\times 6+6}{2}\Big\}\Big\},$$

$$\Big\{\{2,6,6,8\},\ \Big\{\left(2+\frac{6}{6}\right)8,\ (2+\text{Log}[6,6])\,8,\ 2\,(6+\text{mod}[6,8]),\ ((2-6)+8)\,6,$$
$$\text{mod}[2\times 6,8]\,6,\ (2-(6-8))\,6,\ (2\times 6-8)\,6,\ 2\,(\text{mod}[6,8]+6),\ (2\times 6)\,\text{mod}[8,6],$$
$$2\,(6\,\text{mod}[8,6]),\ (2\times 6)\,(8-6),\ 2\,(6\,(8-6)),\ (2\,\text{mod}[8,6])\,6,\ (2+\text{mod}[8,6])\,6,$$
$$\text{mod}[2\times 8,6]\,6,\ \text{mod}[2+8,6]\,6,\ \text{mod}\left[2^8,6\right]6,\ 2^{\text{mod}[8,6]}\,6,\ 2^{8-6}\,6,\ (2\,(8-6))\,6,\ (2+(8-6))\,6,$$
$$((2+8)-6)\,6,\ 2\,(\text{mod}[8,6]\,6),\ 2\,((8-6)\,6),\ \text{mod}[2,8]\,(6+6),\ \text{Log}[2,8]\,6+6,$$
$$\text{Log}\left[2,8^6\right]+6,\ \frac{6}{\text{mod}[2,6]}\,8,\ \text{mod}\left[\frac{6}{2},6\right]8,\ 6\,((2-6)+8),\ \frac{6}{\frac{\text{mod}[2,6]}{8}},\ \frac{6}{2^{6-8}},\ (6-2)\,\text{mod}[6,8],$$
$$6\,\text{mod}[2\times 6,8],\ 6\,(2-(6-8)),\ 6\,(2\times 6-8),\ \text{mod}[6\times 2,8]\,6,\ \text{mod}\left[6^2,8\right]6,\ \text{mod}[6-2,8]\,6,$$
$$(6-\text{mod}[2,8])\,6,\ (6\times 2-8)\,6,\ 6\,\text{Log}[2,8]+6,\ 6+\text{Log}[2,8]\,6,\ 6+\text{Log}\left[2,8^6\right],$$
$$(6\times 2)\,\text{mod}[8,6],\ 6\,(2\,\text{mod}[8,6]),\ 6\,(2+\text{mod}[8,6]),\ 6\,\text{mod}[2\times 8,6],\ 6\,\text{mod}[2+8,6],$$
$$6\,\text{mod}\left[2^8,6\right],\ 6\times 2^{\text{mod}[8,6]},\ 6\times 2^{8-6},\ (6\times 2)\,(8-6),\ 6\,(2\,(8-6)),\ 6\,(2+(8-6)),\ 6\,((2+8)-6),$$
$$\left(\frac{6}{6}+2\right)8,\ (\text{Log}[6,6]+2)\,8,\ \left(6-\frac{6}{2}\right)8,\ 6+6\,\text{Log}[2,8],\ (6+6)\,\text{mod}[2,8],\ 6\,\text{mod}[6\times 2,8],$$
$$6\,\text{mod}\left[6^2,8\right],\ 6\,\text{mod}[6-2,8],\ 6\,(6-\text{mod}[2,8]),\ 6\,(6\times 2-8),\ (6+\text{mod}[6,8])\,2,$$
$$6+\frac{6}{\text{Log}[8,2]},\ 6\,(\text{mod}[6,8]-2),\ (\text{mod}[6,8]-2)\,6,\ \frac{6}{\text{Log}[8,2]}+6,\ 6\,\frac{8}{\text{mod}[2,6]},$$
$$\frac{6\times 8}{\text{mod}[2,6]},\ 6\,\text{mod}[8\times 2,6],\ 6\,\text{mod}[8+2,6],\ 6\,\text{mod}\left[\frac{8}{2},6\right],\ 6\,\text{mod}\left[8^2,6\right],\ 6\,(8+(2-6)),$$
$$6\,((8+2)-6),\ (\text{mod}[6,8]+6)\,2,\ (6\,\text{mod}[8,6])\,2,\ (6\,(8-6))\,2,\ 6\,(\text{mod}[8,6]\,2),$$
$$6\,((8-6)\,2),\ 6\,(\text{mod}[8,6]+2),\ 6\,((8-6)+2),\ 6\,\text{mod}[8,6]^2,\ 6\,(8-6)^2,\ \text{mod}[6,8]\,(6-2),$$
$$6\,(8-(6-2)),\ \frac{8}{\text{mod}[2,6]}\,6,\ \text{mod}[8\times 2,6]\,6,\ \text{mod}[8+2,6]\,6,\ \text{mod}\left[\frac{8}{2},6\right]6,\ \text{mod}\left[8^2,6\right]6,$$
$$(8+(2-6))\,6,\ ((8+2)-6)\,6,\ 8\left(2+\frac{6}{6}\right),\ \frac{8}{\frac{\text{mod}[2,6]}{6}},\ 8\,(2+\text{Log}[6,6]),\ (\text{mod}[8,6]\,2)\,6,$$
$$((8-6)\,2)\,6,\ (\text{mod}[8,6]+2)\,6,\ ((8-6)+2)\,6,\ \text{mod}[8,6]^2\,6,\ (8-6)^2\,6,\ (8-(6-2))\,6,$$
$$\text{mod}[8,6]\,(2\times 6),\ (8-6)\,(2\times 6),\ 8\,\frac{6}{\text{mod}[2,6]},\ \frac{8\times 6}{\text{mod}[2,6]},\ 8\,\text{mod}\left[\frac{6}{2},6\right],\ (\text{mod}[8,6]\,6)\,2,$$
$$((8-6)\,6)\,2,\ \text{mod}[8,6]\,(6\times 2),\ (8-6)\,(6\times 2),\ 8\left(\frac{6}{6}+2\right),\ 8\,(\text{Log}[6,6]+2),\ 8\left(6-\frac{6}{2}\right)\Big\}\Big\},$$

$$\Big\{\{2, 6, 6, 9\}, \Big\{2\,(6+\text{mod}[6, 9]),\ \text{mod}[2, 6]\,9+6,\ 2\,(\text{mod}[6, 9]+6),\ (2+6)\,\text{mod}[9, 6],$$

$$(2+6)\,(9-6),\ 2\,(6+9)-6,\ \text{mod}[2, 9]\,(6+6),\ 2\,(9+6)-6,\ 6+\text{mod}[2, 6]\,9,\ 6^2\,\frac{6}{9},$$

$$\frac{6^2\,6}{9},\ \frac{\text{root}[6, 2]^6}{9},\ (6-2)\,\text{mod}[6, 9],\ \frac{6^2}{9}\,6,\ \text{mod}[6-2, 9]\,6,\ (6-\text{mod}[2, 9])\,6,\ \frac{6^2}{\frac{9}{6}},$$

$$(6+2)\,\text{mod}[9, 6],\ (6+2)\,(9-6),\ 6\,\frac{6^2}{9},\ \frac{6\times 6^2}{9},\ \frac{6^{\frac{6}{2}}}{9},\ \frac{\text{root}\left[6^6, 2\right]}{9},\ (6+6)\,\text{mod}[2, 9],$$

$$6\,\text{mod}[6-2, 9],\ 6\,(6-\text{mod}[2, 9]),\ (6+\text{mod}[6, 9])\,2,\ 6+6\,\text{root}[9, 2],\ 6\,(\text{mod}[6, 9]-2),$$

$$(\text{mod}[6, 9]-2)\,6,\ 6\,\text{root}[9, 2]+6,\ 6+\text{root}[9, 2]\,6,\ 6+9\,\text{mod}[2, 6],\ (6+9)\,2-6,$$

$$(\text{mod}[6, 9]+6)\,2,\ \frac{6}{\frac{9}{6^2}},\ \frac{6\times 9-6}{2},\ \frac{6}{9}\,6^2,\ \text{mod}[6, 9]\,(6-2),\ \text{root}[9, 2]\,6+6,\ 9\,\text{mod}[2, 6]+6,$$

$$\text{mod}[9, 6]\,(2+6),\ (9-6)\,(2+6),\ (9+6)\,2-6,\ \text{mod}[9, 6]\,(6+2),\ (9-6)\,(6+2),\ \frac{9\times 6-6}{2}\Big\}\Big\},$$

$$\Big\{\{2, 6, 6, 10\}, \Big\{((2+6)+6)+10,\ (2+(6+6))+10,\ (2+6)+(6+10),\ 2+((6+6)+10),$$

$$2+(6+(6+10)),\ 2\,(6+\text{mod}[6, 10]),\ \text{Log}[2, 6+10]\,6,\ \text{mod}\left[2^6, 10\right]\,6,\ ((2+6)+10)+6,$$

$$(2+(6+10))+6,\ 2\,(\text{mod}[6, 10]+6),\ (2+6)+(10+6),\ 2+((6+10)+6),\ 2+(6+(10+6)),$$

$$\text{Log}\left[2, (6+10)^6\right],\ \text{Log}[2, 10+6]\,6,\ \text{mod}\left[2^{10}, 6\right]\,6,\ \text{mod}[2, 10]\,(6+6),\ ((2+10)+6)+6,$$

$$(2+(10+6))+6,\ (2+10)+(6+6),\ 2+((10+6)+6),\ 2+(10+(6+6)),\ \text{Log}\left[2, (10+6)^6\right],$$

$$((6+2)+6)+10,\ (6+(2+6))+10,\ (6+2)+(6+10),\ 6+((2+6)+10),\ 6+(2+(6+10)),$$

$$6\,\text{Log}[2, 6+10],\ (6-2)\,\text{mod}[6, 10],\ 6\,\text{mod}\left[2^6, 10\right],\ \text{mod}[6-2, 10]\,6,\ (6-\text{mod}[2, 10])\,6,$$

$$((6+2)+10)+6,\ (6+(2+10))+6,\ (6+2)+(10+6),\ 6+((2+10)+6),\ 6+(2+(10+6)),$$

$$6\,\text{Log}[2, 10+6],\ 6\,\text{mod}\left[2^{10}, 6\right],\ \frac{6}{2}\,10-6,\ \frac{6}{\frac{2}{10}}-6,\ ((6+6)+2)+10,\ (6+(6+2))+10,$$

$$(6+6)+(2+10),\ 6+((6+2)+10),\ 6+(6+(2+10)),\ (6+6)\,\text{mod}[2, 10],\ 6\,\text{mod}[6-2, 10],$$

$$6\,(6-\text{mod}[2, 10]),\ 6\times 6-(2+10),\ (6\times 6-2)-10,\ (6+\text{mod}[6, 10])\,2,\ ((6+6)+10)+2,$$

$$(6+(6+10))+2,\ (6+6)+(10+2),\ 6+((6+10)+2),\ 6+(6+(10+2)),\ \frac{6}{\text{Log}[6+10, 2]},$$

$$6\,\text{root}[6+10, 2],\ 6\times 6-(10+2),\ 6\,(\text{mod}[6, 10]-2),\ (6\times 6-10)-2,\ \text{root}[6+10, 2]\,6,$$

$$(\text{mod}[6, 10]-2)\,6,\ ((6+10)+2)+6,\ (6+(10+2))+6,\ (6+10)+(2+6),\ 6+((10+2)+6),$$

$$6+(10+(2+6)),\ 6\,\text{mod}\left[10^2, 6\right],\ 6\times\frac{10}{2}-6,\ \frac{6\times 10}{2}-6,\ (\text{mod}[6, 10]+6)\,2,\ ((6+10)+6)+2,$$

$$(6+(10+6))+2,\ (6+10)+(6+2),\ 6+((10+6)+2),\ 6+(10+(6+2)),\ \frac{6}{\text{Log}[10+6, 2]},$$

$$6\,\text{root}[10+6, 2],\ \text{mod}[6, 10]\,(6-2),\ 6\times 10-6^2,\ \text{mod}\left[10^2, 6\right]\,6,\ ((10+2)+6)+6,$$

$$(10+(2+6))+6,\ (10+2)+(6+6),\ 10+((2+6)+6),\ 10+(2+(6+6)),\ \frac{10}{2}\,6-6,$$

$$\frac{10}{\frac{2}{6}}-6,\ \text{root}[10+6, 2]\,6,\ ((10+6)+2)+6,\ (10+(6+2))+6,\ (10+6)+(2+6),$$

$$10+((6+2)+6),\ 10+(6+(2+6)),\ 10\times\frac{6}{2}-6,\ \frac{10\times 6}{2}-6,\ ((10+6)+6)+2,$$

$$(10+(6+6))+2,\ (10+6)+(6+2),\ 10+((6+6)+2),\ 10+(6+(6+2)),\ 10\times 6-6^2\Big\}\Big\},$$

$$\{\{2, 6, 7, 7\}, \{\}\},\ \Big\{\{2, 6, 7, 8\}, \Big\{((2-6)+7)\,8,\ (2-(6-7))\,8,\ (2+\text{mod}[7, 6])\,8,$$

$$\text{mod}[2+7, 6]\,8,\ (2+(7-6))\,8,\ ((2+7)-6)\,8,\ 2\,(7+8)-6,\ \text{mod}\left[2^8, 7\right]\,6,\ 2\,(8+7)-6,$$

$$\frac{6}{\text{mod}[2,\,7]}\,8,\ \text{mod}\left[\frac{6}{2},\,7\right]\,8,\ \frac{6}{\frac{\text{mod}[2,7]}{8}},\ 6\,\text{mod}\left[2^8,\,7\right],\ \frac{\text{mod}[6,\,7]}{2}\,8,\ \frac{\text{mod}[6,\,7]}{\frac{2}{8}},$$

$$6\,(7-\text{Log}[2,\,8]),\ \text{mod}[6,\,7]\,\frac{8}{2},\ \frac{\text{mod}[6,\,7]\,8}{2},\ 6\,\frac{8}{\text{mod}[2,\,7]},\ \frac{6\times 8}{\text{mod}[2,\,7]},\ 6\,\text{mod}\left[\frac{8}{2},\,7\right],$$

$$\text{mod}[7+2,\,6]\,8,\ (7+(2-6))\,8,\ ((7+2)-6)\,8,\ (7-\text{Log}[2,\,8])\,6,\ (\text{mod}[7,\,6]+2)\,8,$$

$$((7-6)+2)\,8,\ \text{mod}[7,\,6-2]\,8,\ (7-(6-2))\,8,\ (7+8)\,2-6,\ 8\,((2-6)+7),\ \frac{8}{\frac{2}{\text{mod}[6,7]}},$$

$$\frac{8}{2}\,\text{mod}[6,\,7],\ 8\,(2-(6-7)),\ \frac{8}{\text{mod}[2,\,7]}\,6,\ \text{mod}\left[\frac{8}{2},\,7\right]\,6,\ \frac{8}{\frac{\text{mod}[2,7]}{6}},\ 8\,(2+\text{mod}[7,\,6]),$$

$$8\,\text{mod}[2+7,\,6],\ 8\,(2+(7-6)),\ 8\,((2+7)-6),\ 8\,\frac{6}{\text{mod}[2,\,7]},\ \frac{8\times 6}{\text{mod}[2,\,7]},$$

$$8\,\text{mod}\left[\frac{6}{2},\,7\right],\ 8\,\frac{\text{mod}[6,\,7]}{2},\ \frac{8\,\text{mod}[6,\,7]}{2},\ 8\,\text{mod}[7+2,\,6],\ 8\,(7+(2-6)),\ (8+7)\,2-6,$$

$$8\,((7+2)-6),\ 8\,(\text{mod}[7,\,6]+2),\ 8\,((7-6)+2),\ 8\,\text{mod}[7,\,6-2],\ 8\,(7-(6-2))\Big\}\Big\},$$

$$\Big\{\{2,\,6,\,7,\,9\},\ \Big\{((2+6)+7)+9,\ (2+(6+7))+9,\ (2+6)+(7+9),\ 2+((6+7)+9),$$

$$2+(6+(7+9)),\ ((2+6)+9)+7,\ (2+(6+9))+7,\ (2+6)+(9+7),\ 2+((6+9)+7),$$

$$2+(6+(9+7)),\ (2\times 6)\,\text{mod}[9,\,7],\ 2\,(6\,\text{mod}[9,\,7]),\ (2\times 6)\,(9-7),\ 2\,(6\,(9-7)),$$

$$((2+7)+6)+9,\ (2+(7+6))+9,\ (2+7)+(6+9),\ 2+((7+6)+9),\ 2+(7+(6+9)),$$

$$((2-7)+9)\,6,\ \text{Log}[2,\,7+9]\,6,\ (2-(7-9))\,6,\ \text{mod}[2,\,7]\,9+6,\ ((2+7)+9)+6,$$

$$(2+(7+9))+6,\ (2+7)+(9+6),\ 2+((7+9)+6),\ 2+(7+(9+6)),\ \text{Log}\left[2,\,(7+9)^6\right],$$

$$((2+9)+6)+7,\ (2+(9+6))+7,\ (2+9)+(6+7),\ 2+((9+6)+7),\ 2+(9+(6+7)),$$

$$2\times 9+\text{mod}[6,\,7],\ \text{Log}[2,\,9+7]\,6,\ (2\,\text{mod}[9,\,7])\,6,\ (2+\text{mod}[9,\,7])\,6,\ \text{mod}[2\times 9,\,7]\,6,$$

$$\text{mod}[2+9,\,7]\,6,\ 2^{\text{mod}[9,7]}\,6,\ 2^{9-7}\,6,\ (2\,(9-7))\,6,\ (2+(9-7))\,6,\ ((2+9)-7)\,6,$$

$$2\,(\text{mod}[9,\,7]\,6),\ 2\,((9-7)\,6),\ ((2+9)+7)+6,\ (2+(9+7))+6,\ (2+9)+(7+6),$$

$$2+((9+7)+6),\ 2+(9+(7+6)),\ \text{Log}\left[2,\,(9+7)^6\right],\ ((6+2)+7)+9,\ (6+(2+7))+9,$$

$$6\,((2-7)+9),\ 6+\text{mod}[2,\,7]\,9,\ (6+2)+(7+9),\ 6+((2+7)+9),\ 6+(2+(7+9)),\ \frac{6}{2^{7-9}},$$

$$6\,\text{Log}[2,\,7+9],\ 6\,(2-(7-9)),\ ((6+2)+9)+7,\ (6+(2+9))+7,\ (6+2)+(9+7),$$

$$6+((2+9)+7),\ 6+(2+(9+7)),\ 6\,\text{Log}[2,\,9+7],\ (6\times 2)\,\text{mod}[9,\,7],\ 6\,(2\,\text{mod}[9,\,7]),$$

$$6\,(2+\text{mod}[9,\,7]),\ 6\,\text{mod}[2\times 9,\,7],\ 6\,\text{mod}[2+9,\,7],\ 6\times 2^{\text{mod}[9,7]},\ 6\times 2^{9-7},\ (6\times 2)\,(9-7),$$

$$6\,(2\,(9-7)),\ 6\,(2+(9-7)),\ 6\,((2+9)-7),\ ((6+7)+2)+9,\ (6+(7+2))+9,$$

$$\text{mod}[6,\,7]+2\times 9,\ (6+7)+(2+9),\ 6+((7+2)+9),\ 6+(7+(2+9)),\ 6\,\text{mod}\left[7^2,\,9\right],$$

$$6\times 7-2\times 9,\ ((6+7)+9)+2,\ (6+(7+9))+2,\ \text{mod}[6,\,7]+9\times 2,\ (6+7)+(9+2),$$

$$6+((7+9)+2),\ 6+(7+(9+2)),\ \frac{6}{\text{Log}[7+9,\,2]},\ 6\,\text{root}[7+9,\,2],\ 6\,(7-\text{root}[9,\,2]),$$

$$6\times 7-9\times 2,\ ((6+9)+2)+7,\ (6+(9+2))+7,\ (6+9)+(2+7),\ 6+((9+2)+7),$$

$$6+(9+(2+7)),\ 6+9\,\text{mod}[2,\,7],\ 6\,\text{mod}[9\times 2,\,7],\ 6\,\text{mod}[9+2,\,7],\ 6\,\text{mod}\left[9^2,\,7\right],$$

$$6\,(9+(2-7)),\ 6\,((9+2)-7),\ (6\,\text{mod}[9,\,7])\,2,\ (6\,(9-7))\,2,\ 6\,(\text{mod}[9,\,7]\,2),$$

$$6\,((9-7)\,2),\ ((6+9)+7)+2,\ (6+(9+7))+2,\ 6\,(\text{mod}[9,\,7]+2),\ 6\,((9-7)+2),$$

$$(6+9)+(7+2),\ 6+((9+7)+2),\ 6+(9+(7+2)),\ \frac{6}{\text{Log}[9+7,\,2]},\ 6\,\text{mod}[9,\,7-2],$$

$$6\,\text{mod}[9,\,7]^2,\ 6\,(9-7)^2,\ 6\,\text{root}[9+7,\,2],\ 6\,(9-(7-2)),\ ((7+2)+6)+9,\ (7+(2+6))+9,$$

$$(7+2)+(6+9),\ 7+((2+6)+9),\ 7+(2+(6+9)),\ \text{mod}\left[7^2,\,9\right]\,6,\ ((7+2)+9)+6,$$

$$(7+(2+9))+6,\ (7+2)+(9+6),\ 7+((2+9)+6),\ 7+(2+(9+6)),\ ((7+6)+2)+9,$$

$$(7+(6+2))+9,\ (7+6)+(2+9),\ 7+((6+2)+9),\ 7+(6+(2+9)),\ 7\times 6-2\times 9,$$

$$((7+6)+9)+2,\ (7+(6+9))+2,\ (7+6)+(9+2),\ 7+((6+9)+2),\ 7+(6+(9+2)),$$

$$7\times 6-9\times 2,\ \text{root}[7+9,\,2]\,6,\ (7-\text{root}[9,\,2])\,6,\ ((7+9)+2)+6,\ (7+(9+2))+6,$$

$$(7+9)+(2+6),\ 7+((9+2)+6),\ 7+(9+(2+6)),\ ((7+9)+6)+2,\ (7+(9+6))+2,$$

$$(7+9)+(6+2),\ 7+((9+6)+2),\ 7+(9+(6+2)),\ ((9+2)+6)+7,\ (9+(2+6))+7,$$

$$(9+2)+(6+7),\ 9+((2+6)+7),\ 9+(2+(6+7)),\ 9\times 2+\text{mod}[6,\,7],\ \text{mod}[9\times 2,\,7]\,6,$$

$$\mathrm{mod}[9+2,\,7]\,6,\ \mathrm{mod}\left[9^2,\,7\right]6,\ (9+(2-7))\,6,\ ((9+2)-7)\,6,\ ((9+2)+7)+6,$$
$$(9+(2+7))+6,\ 9\,\mathrm{mod}[2,\,7]+6,\ (9+2)+(7+6),\ 9+((2+7)+6),\ 9+(2+(7+6)),$$
$$((9+6)+2)+7,\ (9+(6+2))+7,\ (9+6)+(2+7),\ 9+((6+2)+7),\ 9+(6+(2+7)),$$
$$((9+6)+7)+2,\ (9+(6+7))+2,\ (9+6)+(7+2),\ 9+((6+7)+2),\ 9+(6+(7+2)),$$
$$(\mathrm{mod}[9,\,7]\,2)\,6,\ ((9-7)\,2)\,6,\ (\mathrm{mod}[9,\,7]+2)\,6,\ ((9-7)+2)\,6,\ \mathrm{mod}[9,\,7-2]\,6,$$
$$\mathrm{mod}[9,\,7]^2\,6,\ (9-7)^2\,6,\ \mathrm{root}[9+7,\,2]\,6,\ (9-(7-2))\,6,\ \mathrm{mod}[9,\,7]\,(2\times6),$$
$$(9-7)\,(2\times6),\ ((9+7)+2)+6,\ (9+(7+2))+6,\ (9+7)+(2+6),\ 9+((7+2)+6),$$
$$9+(7+(2+6)),\ (\mathrm{mod}[9,\,7]\,6)\,2,\ ((9-7)\,6)\,2,\ \mathrm{mod}[9,\,7]\,(6\times2),\ (9-7)\,(6\times2),$$
$$((9+7)+6)+2,\ (9+(7+6))+2,\ (9+7)+(6+2),\ 9+((7+6)+2),\ 9+(7+(6+2))\Big\}\Big\},$$

$$\{\{2,\,6,\,7,\,10\},\ \{\mathrm{mod}[2,\,6]\,7+10,\ (2+6)\,\mathrm{mod}[10,\,7],\ (2+6)\,(10-7),\ \mathrm{mod}[2\times7,\,10]\,6,$$
$$(2\times7-10)\,6,\ 6\,\mathrm{mod}[2\times7,\,10],\ 6\,(2\times7-10),\ (6+2)\,\mathrm{mod}[10,\,7],$$
$$(6+2)\,(10-7),\ 6\,\mathrm{mod}[7\times2,\,10],\ 6\,(7\times2-10),\ 7\,\mathrm{mod}[2,\,6]+10,$$
$$\mathrm{mod}[7\times2,\,10]\,6,\ (7\times2-10)\,6,\ 10+\mathrm{mod}[2,\,6]\,7,\ \mathrm{mod}[10,\,7]\,(2+6),$$
$$(10-7)\,(2+6),\ 10+7\,\mathrm{mod}[2,\,6],\ \mathrm{mod}[10,\,7]\,(6+2),\ (10-7)\,(6+2)\}\},$$

$$\Big\{\{2,\,6,\,8,\,8\},\ \Big\{\mathrm{Log}[\mathrm{mod}[2,\,6],\,8]\,8,\ \mathrm{mod}[2,\,6]\,8+8,\ ((2+6)+8)+8,\ (2+(6+8))+8,$$
$$(2+6)+(8+8),\ 2+((6+8)+8),\ 2+(6+(8+8)),\ \mathrm{Log}\left[\mathrm{mod}[2,\,6],\,8^8\right],\ \mathrm{mod}[\mathrm{Log}[2,\,8],\,6]\,8,$$
$$((2+8)+6)+8,\ (2+(8+6))+8,\ (2+8)+(6+8),\ 2+((8+6)+8),\ 2+(8+(6+8)),$$
$$\mathrm{Log}[2,\,8+8]\,6,\ ((2+8)+8)+6,\ (2+(8+8))+6,\ (2+8)+(8+6),\ 2+((8+8)+6),$$
$$2+(8+(8+6)),\ \mathrm{Log}\left[2,\,(8+8)^6\right],\ \frac{6}{\mathrm{mod}[2,\,8]}\,8,\ \mathrm{mod}\left[\frac{6}{2},\,8\right]8,\ (6-\mathrm{Log}[2,\,8])\,8,$$
$$((6+2)+8)+8,\ (6+(2+8))+8,\ (6+2)+(8+8),\ 6+((2+8)+8),\ 6+(2+(8+8)),\ \frac{6}{\frac{\mathrm{mod}[2,8]}{8}},$$
$$6\,\mathrm{Log}[2,\,8+8],\ (6-2)\,8-8,\ \frac{\mathrm{mod}[6,\,8]}{2}\,8,\ ((6+8)+2)+8,\ (6+(8+2))+8,\ (6+8)+(2+8),$$
$$6+((8+2)+8),\ 6+(8+(2+8)),\ 6\,\frac{8}{\mathrm{mod}[2,\,8]},\ \frac{6\times8}{\mathrm{mod}[2,\,8]},\ \frac{\mathrm{mod}[6,\,8]}{\frac{2}{8}},\ 6\,\mathrm{mod}\left[\frac{8}{2},\,8\right],$$
$$((6+8)+8)+2,\ (6+(8+8))+2,\ (6+8)+(8+2),\ 6+((8+8)+2),\ 6+(8+(8+2)),$$
$$\frac{6}{\mathrm{Log}[8+8,\,2]},\ \mathrm{mod}[6,\,8]\,\frac{8}{2},\ \frac{\mathrm{mod}[6,\,8]\,8}{2},\ 6\,\mathrm{root}[8+8,\,2],\ 6\left(8-\frac{8}{2}\right),\ ((8+2)+6)+8,$$
$$(8+(2+6))+8,\ 8\,\mathrm{mod}[2,\,6]+8,\ 8+\mathrm{mod}[2,\,6]\,8,\ (8+2)+(6+8),\ 8+((2+6)+8),$$
$$8+(2+(6+8)),\ \frac{8}{\frac{2}{\mathrm{mod}[6,8]}},\ 8\,\mathrm{Log}[\mathrm{mod}[2,\,6],\,8],\ \frac{8}{2}\,\mathrm{mod}[6,\,8],\ \frac{8}{\mathrm{mod}[2,\,8]}\,6,\ \mathrm{mod}\left[\frac{8}{2},\,8\right]6,$$
$$((8+2)+8)+6,\ (8+(2+8))+6,\ (8+2)+(8+6),\ 8+((2+8)+6),\ 8+(2+(8+6)),\ \frac{8}{\frac{\mathrm{mod}[2,8]}{6}},$$
$$8\,\mathrm{mod}[\mathrm{Log}[2,\,8],\,6],\ ((8+6)+2)+8,\ (8+(6+2))+8,\ (8+6)+(2+8),\ 8+((6+2)+8),$$
$$8+(6+(2+8)),\ 8\,\frac{6}{\mathrm{mod}[2,\,8]},\ \frac{8\times6}{\mathrm{mod}[2,\,8]},\ 8\,\mathrm{mod}\left[\frac{6}{2},\,8\right],\ 8\,(6-\mathrm{Log}[2,\,8]),\ 8\,(6-2)-8,$$
$$((8+6)+8)+2,\ (8+(6+8))+2,\ (8+6)+(8+2),\ 8+((6+8)+2),\ 8+(6+(8+2)),$$
$$8\,\frac{\mathrm{mod}[6,\,8]}{2},\ \frac{8\,\mathrm{mod}[6,\,8]}{2},\ \mathrm{root}[8+8,\,2]\,6,\ \left(8-\frac{8}{2}\right)6,\ ((8+8)+2)+6,\ (8+(8+2))+6,$$
$$(8+8)+(2+6),\ 8+((8+2)+6),\ 8+(8+(2+6)),\ \frac{8}{\mathrm{Log}[8,\,\mathrm{mod}[2,\,6]]},\ 8+8\,\mathrm{mod}[2,\,6],$$
$$((8+8)+6)+2,\ (8+(8+6))+2,\ (8+8)+(6+2),\ 8+((8+6)+2),\ 8+(8+(6+2))\Big\}\Big\},$$

$$\Big\{\{2,\,6,\,8,\,9\},\ \Big\{\left(\frac{2}{6}\,8\right)9,\ \frac{2}{\frac{6}{8}}\,9,\ \frac{2}{6}\,(8\times9),\ \frac{2}{\frac{6}{8\times9}},\ \frac{2}{\frac{6}{\frac{8}{9}}},\ \left(\frac{2}{6}\,9\right)8,\ \frac{2}{\frac{6}{9}}\,8,\ \mathrm{mod}[2\times6,\,9]\,8,$$

$$(2\times 6-9)\ 8,\ \frac{2}{6}\ (9\times 8),\ \frac{2}{\frac{6}{9\times 8}},\ \frac{2}{\frac{6}{\frac{9}{8}}},\ \left(2\times\frac{8}{6}\right)9,\ \frac{2\times 8}{6}\ 9,\ 2\left(\frac{8}{6}\ 9\right),\ 2\ \frac{8}{\frac{6}{9}},\ \frac{2\times 8}{\frac{6}{9}},\ \text{mod}\left[2^8,\ 9\right]\ 6,$$

$$\text{mod}[2,\ 8]\ 9+6,\ (2\times 8)\ \frac{9}{6},\ 2\left(8\times\frac{9}{6}\right),\ 2\ \frac{8\times 9}{6},\ \frac{(2\times 8)\ 9}{6},\ \frac{2\ (8\times 9)}{6},\ \left(2\times\frac{9}{6}\right)8,\ \frac{2\times 9}{6}\ 8,$$

$$2\left(\frac{9}{6}\ 8\right),\ 2\ \frac{9}{\frac{6}{8}},\ \frac{2\times 9}{\frac{6}{8}},\ 2\times 9+\text{mod}[6,\ 8],\ (2\times 9)\ \frac{8}{6},\ 2\left(9\times\frac{8}{6}\right),\ 2\ \frac{9\times 8}{6},\ \frac{(2\times 9)\ 8}{6},$$

$$\frac{2\ (9\times 8)}{6},\ 6+\text{mod}[2,\ 8]\ 9,\ \frac{6}{\frac{2}{\text{mod}[8,9]}},\ \frac{6^{\text{Log}[2,8]}}{9},\ \frac{6}{2}\ \text{mod}[8,\ 9],\ 6\ \text{mod}\left[2^8,\ 9\right],\ \frac{6}{\text{mod}[2,\ 9]}\ 8,$$

$$\text{mod}[6\times 2,\ 9]\ 8,\ \text{mod}\left[\frac{6}{2},\ 9\right]\ 8,\ (6\times 2-9)\ 8,\ \frac{6}{\frac{\text{mod}[2,9]}{8}},\ \text{mod}[6,\ 8]+2\times 9,\ 6\ \frac{8}{\text{mod}[2,\ 9]},$$

$$\frac{6\times 8}{\text{mod}[2,\ 9]},\ 6\ \text{mod}\left[\frac{8}{2},\ 9\right],\ \text{mod}[6,\ 8]+9\times 2,\ 6\ \frac{\text{mod}[8,\ 9]}{2},\ \frac{6\ \text{mod}[8,\ 9]}{2},\ \frac{\text{mod}[6,\ 9]}{2}\ 8,$$

$$(6-\text{root}[9,\ 2])\ 8,\ \frac{\text{mod}[6,\ 9]}{\frac{2}{8}},\ 6+9\ \text{mod}[2,\ 8],\ \text{mod}[6,\ 9]\ \frac{8}{2},\ \frac{\text{mod}[6,\ 9]\ 8}{2},\ \left(8\times\frac{2}{6}\right)9,$$

$$\frac{8\times 2}{6}\ 9,\ 8\left(\frac{2}{6}\ 9\right),\ 8\ \frac{2}{\frac{6}{9}},\ \frac{8}{\frac{2}{\text{mod}[6,9]}},\ \frac{8\times 2}{\frac{6}{9}},\ \frac{8}{2}\ \text{mod}[6,\ 9],\ 8\ \text{mod}[2\times 6,\ 9],\ 8\ (2\times 6-9),$$

$$\frac{8}{\text{mod}[2,\ 9]}\ 6,\ \text{mod}\left[\frac{8}{2},\ 9\right]\ 6,\ \frac{8}{\frac{\text{mod}[2,9]}{6}},\ (8\times 2)\ \frac{9}{6},\ 8\left(2\times\frac{9}{6}\right),\ 8\ \frac{2\times 9}{6},\ \frac{(8\times 2)\ 9}{6},\ \frac{8\ (2\times 9)}{6},$$

$$\left(\frac{8}{6}\ 2\right)9,\ \frac{8}{\frac{6}{2}}\ 9,\ \frac{8}{6}\ (2\times 9),\ 8\ \frac{6}{\text{mod}[2,\ 9]},\ \frac{8}{\frac{6}{2\times 9}},\ \frac{8}{\frac{\frac{6}{2}}{9}},\ \frac{8\times 6}{\text{mod}[2,\ 9]},\ 8\ \text{mod}[6\times 2,\ 9],$$

$$8\ \text{mod}\left[\frac{6}{2},\ 9\right],\ 8\ (6\times 2-9),\ \left(\frac{8}{6}\ 9\right)2,\ \frac{8}{\frac{6}{9}}\ 2,\ \frac{8}{6}\ (9\times 2),\ \frac{8}{\frac{6}{9\times 2}},\ \frac{8}{\frac{\frac{6}{9}}{2}},\ 8\ \frac{\text{mod}[6,\ 9]}{2},$$

$$\frac{8\ \text{mod}[6,\ 9]}{2},\ 8\ (6-\text{root}[9,\ 2]),\ \frac{\text{mod}[8,\ 9]}{2}\ 6,\ (8\times 9)\ \frac{2}{6},\ 8\left(9\times\frac{2}{6}\right),\ 8\ \frac{9\times 2}{6},\ \frac{(8\times 9)\ 2}{6},$$

$$\frac{8\ (9\times 2)}{6},\ \frac{\text{mod}[8,\ 9]}{\frac{2}{6}},\ 8\ \text{mod}\left[9^2,\ 6\right],\ 8\ \text{mod}[\text{root}[9,\ 2],\ 6],\ 8\ \text{root}[9,\ \text{mod}[2,\ 6]],$$

$$\left(8\times\frac{9}{6}\right)2,\ \frac{8\times 9}{6}\ 2,\ 8\left(\frac{9}{6}\ 2\right),\ \text{mod}[8,\ 9]\ \frac{6}{2},\ 8\ \frac{9}{\frac{6}{2}},\ \frac{\text{mod}[8,\ 9]\ 6}{2},\ \frac{8\times 9}{\frac{6}{2}},\ \left(9\times\frac{2}{6}\right)8,\ \frac{9\times 2}{6}\ 8,$$

$$\text{mod}\left[9^2,\ 6\right]\ 8,\ \text{mod}[\text{root}[9,\ 2],\ 6]\ 8,\ \text{root}[9,\ \text{mod}[2,\ 6]]\ 8,\ 9\left(\frac{2}{6}\ 8\right),\ 9\ \frac{2}{\frac{6}{8}},\ \frac{9\times 2}{\frac{6}{8}},$$

$$9\times 2+\text{mod}[6,\ 8],\ 9\ \text{mod}[2,\ 8]+6,\ (9\times 2)\ \frac{8}{6},\ 9\left(2\times\frac{8}{6}\right),\ 9\ \frac{2\times 8}{6},\ \frac{(9\times 2)\ 8}{6},\ \frac{9\ (2\times 8)}{6},$$

$$\left(\frac{9}{6}\ 2\right)8,\ \frac{9}{\frac{6}{2}}\ 8,\ \frac{9}{6}\ (2\times 8),\ \frac{9}{\frac{6}{2\times 8}},\ \frac{9}{\frac{\frac{6}{2}}{8}},\ \left(\frac{9}{6}\ 8\right)2,\ \frac{9}{\frac{6}{8}}\ 2,\ \frac{9}{6}\ (8\times 2),\ \frac{9}{\frac{6}{8\times 2}},\ \frac{9}{\frac{\frac{6}{8}}{2}},\ (9\times 8)\ \frac{2}{6},$$

$$9\left(8\times\frac{2}{6}\right),\ 9\ \frac{8\times 2}{6},\ \frac{(9\times 8)\ 2}{6},\ \frac{9\ (8\times 2)}{6},\ \left(9\times\frac{8}{6}\right)2,\ \frac{9\times 8}{6}\ 2,\ 9\left(\frac{8}{6}\ 2\right),\ 9\ \frac{8}{\frac{6}{2}},\ \frac{9\times 8}{\frac{6}{2}}\Big\}\Big\},$$

$$\Big\{\{2, 6, 8, 10\}, \Big\{(2\times 6)\bmod[10, 8], 2\,(6\bmod[10, 8]), (2\times 6)\,(10-8), 2\,(6\,(10-8)),$$
$$2\,(6+10)-8, 2\,(\bmod[8, 6]+10), 2\,((8-6)+10), (2-8)\,(6-10), 2\,(8-(6-10)),$$
$$((2-8)+10)\,6, (2-(8-10))\,6, 2\,(8+\bmod[10, 6]), 2\,(8+(10-6)), \text{Log}[2, 8]\,10-6,$$
$$2\,((8+10)-6), \text{Log}\left[2, 8^{10}\right]-6, 2\,(\bmod[10, 6]+8), 2^{\bmod[10,6]}+8, 2^{10-6}+8, 2\,((10-6)+8),$$
$$2\,(10-(6-8)), 2\,(10+6)-8, (2\bmod[10, 8])\,6, (2+\bmod[10, 8])\,6, \bmod[2\times 10, 8]\,6,$$
$$\bmod[2+10, 8]\,6, 2^{\bmod[10,8]}\,6, 2^{10-8}\,6, (2\,(10-8))\,6, (2+(10-8))\,6, ((2+10)-8)\,6,$$
$$2\,(\bmod[10, 8]\,6), 2\,((10-8)\,6), (2+10)\bmod[8, 6], 2\,(10+\bmod[8, 6]), (2+10)\,(8-6),$$
$$2\,(10+(8-6)), 2\,((10+8)-6), 6\,((2-8)+10), \frac{6}{\frac{2}{\bmod[8,10]}}, \frac{6}{2^{8-10}}, \frac{6}{2}\bmod[8, 10],$$
$$6\,(2-(8-10)), \frac{6}{\bmod[2, 10]}\,8, \bmod\left[\frac{6}{2}, 10\right]8, \frac{6}{\frac{\bmod[2,10]}{8}}, (6\times 2)\bmod[10, 8], 6\,(2\bmod[10, 8]),$$
$$6\,(2+\bmod[10, 8]), 6\bmod[2\times 10, 8], 6\bmod[2+10, 8], 6\times 2^{\bmod[10,8]}, 6\times 2^{10-8}, (6\times 2)\,(10-8),$$
$$6\,(2\,(10-8)), 6\,(2+(10-8)), 6\,((2+10)-8), 6\,\frac{8}{\bmod[2, 10]}, \frac{6\times 8}{\bmod[2, 10]}, 6\bmod\left[\frac{8}{2}, 10\right],$$
$$6\bmod\left[8^2, 10\right], 6\,\frac{\bmod[8, 10]}{2}, \frac{6\bmod[8, 10]}{2}, \frac{\bmod[6, 10]}{2}\,8, \frac{\bmod[6, 10]}{\frac{2}{8}}, 6\bmod[10\times 2, 8],$$
$$6\bmod[10+2, 8], 6\bmod\left[10^2, 8\right], (6-10)\,(2-8), 6\,(10+(2-8)), (6+10)\,2-8,$$
$$6\,((10+2)-8), (6\bmod[10, 8])\,2, (6\,(10-8))\,2, 6\,(\bmod[10, 8]\,2), 6\,((10-8)\,2),$$
$$6\,(\bmod[10, 8]+2), 6\,((10-8)+2), \bmod[6, 10]\,\frac{8}{2}, \frac{\bmod[6, 10]\,8}{2}, 6\bmod[10, 8-2],$$
$$6\bmod[10, 8]^2, 6\,(10-8)^2, 6\,(10-(8-2)), \frac{8}{\frac{2}{\bmod[6,10]}}, \frac{8}{2}\bmod[6, 10], \frac{8}{\bmod[2, 10]}\,6,$$
$$\bmod\left[\frac{8}{2}, 10\right]6, \bmod\left[8^2, 10\right]6, \frac{8}{\frac{\bmod[2,10]}{6}}, \frac{8}{2-\frac{10}{6}}, (8-2)\bmod[10, 6], 8+2^{\bmod[10,6]},$$
$$8+2^{10-6}, (8-2)\,(10-6), \bmod[8, 6]\,(2+10), (8-6)\,(2+10), 8\,\frac{6}{\bmod[2, 10]}, \frac{8\times 6}{\bmod[2, 10]},$$
$$8\bmod\left[\frac{6}{2}, 10\right], (\bmod[8, 6]+10)\,2, ((8-6)+10)\,2, (8-(6-10))\,2, \bmod[8, 6]\,(10+2),$$
$$(8-6)\,(10+2), 8\,\frac{\bmod[6, 10]}{2}, \frac{8\bmod[6, 10]}{2}, \frac{\bmod[8, 10]}{2}\,6, \frac{\bmod[8, 10]}{\frac{2}{6}}, (8+\bmod[10, 6])\,2,$$
$$(8+(10-6))\,2, ((8+10)-6)\,2, \bmod[8, 10]\,\frac{6}{2}, \frac{\bmod[8, 10]\,6}{2}, 8+\bmod[10, 6]^2,$$
$$8+(10-6)^2, \bmod[10\times 2, 8]\,6, \bmod[10+2, 8]\,6, \bmod\left[10^2, 8\right]6, (10+(2-8))\,6,$$
$$((10+2)-8)\,6, (10+2)\bmod[8, 6], (10+2)\,(8-6), 10\,\text{Log}[2, 8]-6, \bmod[10, 6]^2+8,$$
$$(10-6)^2+8, (10+6)\,2-8, (\bmod[10, 6]+8)\,2, ((10-6)+8)\,2, (10-(6-8))\,2,$$
$$\bmod[10, 6]\,(8-2), (10-6)\,(8-2), (\bmod[10, 8]\,2)\,6, ((10-8)\,2)\,6, (\bmod[10, 8]+2)\,6,$$
$$((10-8)+2)\,6, \bmod[10, 8-2]\,6, \bmod[10, 8]^2\,6, (10-8)^2\,6, (10-(8-2))\,6,$$
$$\bmod[10, 8]\,(2\times 6), (10-8)\,(2\times 6), \frac{10}{\text{Log}[8, 2]}-6, (\bmod[10, 8]\,6)\,2, ((10-8)\,6)\,2,$$
$$(10+\bmod[8, 6])\,2, (10+(8-6))\,2, ((10+8)-6)\,2, \bmod[10, 8]\,(6\times 2), (10-8)\,(6\times 2)\Big\}\Big\},$$
$$\Big\{\{2, 6, 9, 9\}, \Big\{\left(2+\frac{6}{9}\right)9, 2\,(\bmod[9, 6]+9), 2\,((9-6)+9), 2\times 9+\bmod[6, 9],$$
$$2\,(9-(6-9)), \bmod[2, 9]\,9+6, 2\,(9+\bmod[9, 6]), 2\,(9+(9-6)), 2\,((9+9)-6),$$

$$6+\text{mod}[2,\,9]\,9,\ \left(\frac{6}{9}+2\right)\,9,\ \text{mod}[6,\,9]+2\times 9,\ \frac{6^{\text{root}[9,2]}}{9},\ 6+9\,\text{mod}[2,\,9],\ \text{mod}[6,\,9]+9\times 2,$$

$$9\left(2+\frac{6}{9}\right),\ 9\times 2+\text{mod}[6,\,9],\ 9\,\text{mod}[2,\,9]+6,\ (\text{mod}[9,\,6]+9)\,2,\ ((9-6)+9)\,2,$$

$$(9-(6-9))\,2,\ 9\left(\frac{6}{9}+2\right),\ (9+\text{mod}[9,\,6])\,2,\ (9+(9-6))\,2,\ ((9+9)-6)\,2\Big\}\Big\},$$

$$\Big\{\{2,\,6,\,9,\,10\},\ \Big\{2\times 9+\text{mod}[6,\,10],\ 2\,\text{mod}[9,\,10]+6,\ (2-10)\,(6-9),\ \text{mod}[2,\,10]\,9+6,$$

$$6+2\,\text{mod}[9,\,10],\ 6+\text{mod}[2,\,10]\,9,\ 6+9\,\text{mod}[2,\,10],\ (6-9)\,(2-10),\ 6+\text{mod}[9,\,10]\,2,$$

$$6\,\text{mod}\Big[9,\,\frac{10}{2}\Big],\ 6\left(9-\frac{10}{2}\right),\ \text{mod}[6,\,10]+2\times 9,\ \text{mod}[6,\,10]+9\times 2,\ 9\times 2+\text{mod}[6,\,10],$$

$$9\,\text{mod}[2,\,10]+6,\ \text{root}[9,\,2]\,10-6,\ \text{mod}[9,\,6]\,(10-2),\ (9-6)\,(10-2),\ \text{mod}\Big[9,\,\frac{10}{2}\Big]\,6,$$

$$\left(9-\frac{10}{2}\right)\,6,\ \text{mod}[9,\,10]\,2+6,\ (10-2)\,\text{mod}[9,\,6],\ (10-2)\,(9-6),\ 10\,\text{root}[9,\,2]-6\Big\}\Big\},$$

$$\Big\{\{2,\,6,\,10,\,10\},\ \Big\{(2\times 10-6)+10,\ 2\times 10-(6-10),\ \text{mod}\Big[2^{10},\,10\Big]\,6,\ 2\times 10+\text{mod}[10,\,6],$$

$$2\times 10+(10-6),\ (2\times 10+10)-6,\ ((6-2)+10)+10,\ (6-(2-10))+10,\ (6-2)+(10+10),$$

$$6\,\text{mod}\Big[2^{10},\,10\Big],\ 6-(2-(10+10)),\ 6-((2-10)-10),\ (6+(10-2))+10,\ ((6+10)-2)+10,$$

$$6+((10-2)+10),\ 6+(10-(2-10)),\ (6+10)-(2-10),\ (6+10)+(10-2),\ 6+(10+(10-2)),$$

$$6+((10+10)-2),\ ((6+10)+10)-2,\ (6+(10+10))-2,\ ((10-2)+6)+10,\ (10-(2-6))+10,$$

$$(10\times 2-6)+10,\ (10-2)+(6+10),\ 10-(2-(6+10)),\ 10-((2-6)-10),\ 10\times 2-(6-10),$$

$$((10-2)+10)+6,\ (10-(2-10))+6,\ (10-2)+(10+6),\ 10\times 2+\text{mod}[10,\,6],$$

$$10\times 2+(10-6),\ 10-(2-(10+6)),\ 10-((2-10)-6),\ 10+(2\times 10-6),\ (10\times 2+10)-6,$$

$$(10+2\times 10)-6,\ (10+(6-2))+10,\ ((10+6)-2)+10,\ \text{mod}[10,\,6]+2\times 10,\ (10-6)+2\times 10,$$

$$10+((6-2)+10),\ 10+(6-(2-10)),\ 10-(6-2\times 10),\ (10+6)-(2-10),\ \text{mod}[10,\,6]+10\times 2,$$

$$(10-6)+10\times 2,\ (10+6)+(10-2),\ 10+(6+(10-2)),\ 10-(6-10\times 2),\ 10+((6+10)-2),$$

$$((10+6)+10)-2,\ (10+(6+10))-2,\ (10+(10-2))+6,\ ((10+10)-2)+6,\ 10+((10-2)+6),$$

$$10+(10-(2-6)),\ 10+(10\times 2-6),\ (10+10)-(2-6),\ (10+10\times 2)-6,\ (10+10)+(6-2),$$

$$10+(10+(6-2)),\ 10+((10+6)-2),\ ((10+10)+6)-2,\ (10+(10+6))-2\Big\}\Big\},$$

$$\{\{2,\,7,\,7,\,7\},\ \{\}\},\ \Big\{\{2,\,7,\,7,\,8\},\ \Big\{\left(2+\frac{7}{7}\right)\,8,\ (2+\text{Log}[7,\,7])\,8,\ ((2+7)+7)+8,$$

$$(2+(7+7))+8,\ (2+7)+(7+8),\ 2+((7+7)+8),\ 2+(7+(7+8)),\ ((2+7)+8)+7,$$

$$(2+(7+8))+7,\ (2+7)+(8+7),\ 2+((7+8)+7),\ 2+(7+(8+7)),\ ((2+8)+7)+7,$$

$$(2+(8+7))+7,\ (2+8)+(7+7),\ 2+((8+7)+7),\ 2+(8+(7+7)),\ ((7+2)+7)+8,$$

$$(7+(2+7))+8,\ (7+2)+(7+8),\ 7+((2+7)+8),\ 7+(2+(7+8)),\ ((7+2)+8)+7,$$

$$(7+(2+8))+7,\ (7+2)+(8+7),\ 7+((2+8)+7),\ 7+(2+(8+7)),\ \left(\frac{7}{7}+2\right)\,8,$$

$$(\text{Log}[7,\,7]+2)\,8,\ ((7+7)+2)+8,\ (7+(7+2))+8,\ (7+7)+(2+8),\ 7+((7+2)+8),$$

$$7+(7+(2+8)),\ ((7+7)+8)+2,\ (7+(7+8))+2,\ (7+7)+(8+2),\ 7+((7+8)+2),$$

$$7+(7+(8+2)),\ ((7+8)+2)+7,\ (7+(8+2))+7,\ (7+8)+(2+7),\ 7+((8+2)+7),$$

$$7+(8+(2+7)),\ ((7+8)+7)+2,\ (7+(8+7))+2,\ (7+8)+(7+2),\ 7+((8+7)+2),$$

$$7+(8+(7+2)),\ ((8+2)+7)+7,\ (8+(2+7))+7,\ (8+2)+(7+7),\ 8+((2+7)+7),$$

$$8+(2+(7+7)),\ 8\left(2+\frac{7}{7}\right),\ 8\,(2+\text{Log}[7,\,7]),\ ((8+7)+2)+7,\ (8+(7+2))+7,$$

$$(8+7)+(2+7),\ 8+((7+2)+7),\ 8+(7+(2+7)),\ ((8+7)+7)+2,\ (8+(7+7))+2,$$

$$8\left(\frac{7}{7}+2\right),\ 8\,(\text{Log}[7,\,7]+2),\ (8+7)+(7+2),\ 8+((7+7)+2),\ 8+(7+(7+2))\Big\}\Big\},$$

$$\{\{2,\,7,\,7,\,9\},\ \{\}\},\ \Big\{\{2,\,7,\,7,\,10\},\ \Big\{\text{mod}[2,\,7]\,7+10,\ \left(2+\frac{10}{7}\right)\,7,\ 7\,\text{mod}[2,\,7]+10,$$

$$7\left(2+\frac{10}{7}\right),\ 7\left(\frac{10}{7}+2\right),\ 10+\text{mod}[2,\,7]\,7,\ \left(\frac{10}{7}+2\right)\,7,\ 10+7\,\text{mod}[2,\,7]\Big\}\Big\},$$

$$\Big\{\{2,\,7,\,8,\,8\},\ \Big\{((2-7)+8)\,8,\ \text{Log}[\text{mod}[2,\,7],\,8]\,8,\ (2-(7-8))\,8,\ \text{mod}[2,\,7]\,8+8,$$

$$\frac{2^7}{8}+8,\ \text{Log}\left[\text{mod}[2,7],8^8\right],\ (2+\text{mod}[8,7])\ 8,\ \text{mod}[2+8,7]\ 8,\ \text{mod}[\text{Log}[2,8],7]\ 8,$$

$$(2+(8-7))\ 8,\ ((2+8)-7)\ 8,\ \text{Log}\left[2,8^7\ 8\right],\ \text{Log}\left[2,8\times 8^7\right],\ \text{mod}\left[7,\frac{8}{2}\right]\ 8,$$

$$\left(7-\frac{8}{2}\right)\ 8,\ \frac{7\times 8-8}{2},\ \text{mod}[8+2,7]\ 8,\ (8+(2-7))\ 8,\ ((8+2)-7)\ 8,\ 8\,\text{mod}[2,7]+8,$$

$$8\ ((2-7)+8),\ 8+\text{mod}[2,7]\ 8,\ 8+\frac{2^7}{8},\ 8\,\text{Log}[\text{mod}[2,7],8],\ 8\ (2-(7-8)),$$

$$8\ (2+\text{mod}[8,7]),\ 8\,\text{mod}[2+8,7],\ 8\,\text{mod}[\text{Log}[2,8],7],\ 8\ (2+(8-7)),\ 8\ ((2+8)-7),$$

$$(\text{mod}[8,7]+2)\ 8,\ ((8-7)+2)\ 8,\ \text{mod}[8,7-2]\ 8,\ (8-(7-2))\ 8,\ \frac{8\times 7-8}{2},\ 8\,\text{mod}\left[7,\frac{8}{2}\right],$$

$$8\left(7-\frac{8}{2}\right),\ \frac{8}{\text{Log}[8,\text{mod}[2,7]]},\ 8+8\,\text{mod}[2,7],\ 8\,\text{mod}[8+2,7],\ 8\ (8+(2-7)),$$

$$8\ ((8+2)-7),\ 8\ (\text{mod}[8,7]+2),\ 8\ ((8-7)+2),\ 8\,\text{mod}[8,7-2],\ 8\ (8-(7-2))\Big\}\Big\},$$

$$\{\{2,7,8,9\},\{2\ (7+9)-8,\ 2\ (9+7)-8,\ (7+9)\ 2-8,\ 8\,\text{mod}[\text{root}[9,2],7],$$
$$8\,\text{root}[9,\text{mod}[2,7]],\ \text{mod}[\text{root}[9,2],7]\ 8,\ \text{root}[9,\text{mod}[2,7]]\ 8,\ (9+7)\ 2-8\}\},$$

$$\{\{2,7,8,10\},\{2\,\text{mod}[7,8]+10,\ \text{mod}[2,8]\ 7+10,\ 7\,\text{mod}[2,8]+10,\ \text{mod}[7,8]\ 2+10,$$
$$10+2\,\text{mod}[7,8],\ 10+\text{mod}[2,8]\ 7,\ 10+7\,\text{mod}[2,8],\ 10+\text{mod}[7,8]\ 2\}\},\ \{\{2,7,9,9\},\{\}\},$$

$$\{\{2,7,9,10\},\{2\,\text{mod}[7,9]+10,\ \text{mod}[2,9]\ 7+10,\ 2\ (\text{mod}[9,7]+10),\ 2\ ((9-7)+10),$$
$$2\ (9-(7-10)),\ 2\ (9+\text{mod}[10,7]),\ 2\ (9+(10-7)),\ 2\ ((9+10)-7),\ 2\ (\text{mod}[10,7]+9),$$
$$2\ ((10-7)+9),\ 2\ (10-(7-9)),\ (2+10)\,\text{mod}[9,7],\ 2\ (10+\text{mod}[9,7]),\ (2+10)\ (9-7),$$
$$2\ (10+(9-7)),\ 2\ ((10+9)-7),\ ((7-2)+9)+10,\ 7\,\text{mod}[2,9]+10,\ (7-(2-9))+10,$$
$$(7-2)+(9+10),\ 7-(2-(9+10)),\ 7-((2-9)-10),\ ((7-2)+10)+9,$$
$$(7-(2-10))+9,\ (7-2)+(10+9),\ 7-(2-(10+9)),\ 7-((2-10)-9),\ \text{mod}[7,9]\ 2+10,$$
$$(7+(9-2))+10,\ ((7+9)-2)+10,\ 7+((9-2)+10),\ 7+(9-(2-10)),\ (7+9)-(2-10),$$
$$(7+9)+(10-2),\ 7+(9+(10-2)),\ 7+((9+10)-2),\ ((7+9)+10)-2,\ (7+(9+10))-2,$$
$$(7+(10-2))+9,\ ((7+10)-2)+9,\ 7+((10-2)+9),\ 7+(10-(2-9)),\ (7+10)-(2-9),$$
$$(7+10)+(9-2),\ 7+(10+(9-2)),\ 7+((10+9)-2),\ ((7+10)+9)-2,\ (7+(10+9))-2,$$
$$((9-2)+7)+10,\ (9-(2-7))+10,\ (9-2)+(7+10),\ 9-(2-(7+10)),\ 9-((2-7)-10),$$
$$((9-2)+10)+7,\ (9-(2-10))+7,\ (9-2)+(10+7),\ 9-(2-(10+7)),\ 9-((2-10)-7),$$
$$\text{mod}[9,7]\ (2+10),\ (9-7)\ (2+10),\ (9+(7-2))+10,\ ((9+7)-2)+10,$$
$$9+((7-2)+10),\ 9+(7-(2-10)),\ (9+7)-(2-10),\ (\text{mod}[9,7]+10)\ 2,\ ((9-7)+10)\ 2,$$
$$(9-(7-10))\ 2,\ \text{mod}[9,7]\ (10+2),\ (9-7)\ (10+2),\ (9+7)+(10-2),\ 9+(7+(10-2)),$$
$$9+((7+10)-2),\ ((9+7)+10)-2,\ (9+(7+10))-2,\ (9+(10-2))+7,\ ((9+10)-2)+7,$$
$$9+((10-2)+7),\ 9+(10-(2-7)),\ (9+10)-(2-7),\ (9+\text{mod}[10,7])\ 2,$$
$$(9+(10-7))\ 2,\ ((9+10)-7)\ 2,\ (9+10)+(7-2),\ 9+(10+(7-2)),\ 9+((10+7)-2),$$
$$((9+10)+7)-2,\ (9+(10+7))-2,\ ((10-2)+7)+9,\ (10-(2-7))+9,\ (10-2)+(7+9),$$
$$10+2\,\text{mod}[7,9],\ 10-(2-(7+9)),\ 10-((2-7)-9),\ ((10-2)+9)+7,\ (10-(2-9))+7,$$
$$10+\text{mod}[2,9]\ 7,\ (10-2)+(9+7),\ (10+2)\,\text{mod}[9,7],\ (10+2)\ (9-7),\ 10-(2-(9+7)),$$
$$10-((2-9)-7),\ (10+(7-2))+9,\ ((10+7)-2)+9,\ 10+((7-2)+9),\ 10+7\,\text{mod}[2,9],$$
$$10+(7-(2-9)),\ (10+7)-(2-9),\ (\text{mod}[10,7]+9)\ 2,\ ((10-7)+9)\ 2,\ (10-(7-9))\ 2,$$
$$10+\text{mod}[7,9]\ 2,\ (10+7)+(9-2),\ 10+(7+(9-2)),\ 10+((7+9)-2),\ ((10+7)+9)-2,$$
$$(10+(7+9))-2,\ (10+(9-2))+7,\ ((10+9)-2)+7,\ 10+((9-2)+7),\ 10+(9-(2-7)),$$
$$(10+9)-(2-7),\ (10+\text{mod}[9,7])\ 2,\ (10+(9-7))\ 2,\ ((10+9)-7)\ 2,\ (10+9)+(7-2),$$
$$10+(9+(7-2)),\ 10+((9+7)-2),\ ((10+9)+7)-2,\ (10+(9+7))-2\}\},$$

$$\{\{2,7,10,10\},\{2\,\text{mod}[7,10]+10,\ 2\ (7+10)-10,\ \text{mod}[2,10]\ 7+10,\ (2-10)\ (7-10),$$
$$2\ (10+7)-10,\ 7\,\text{mod}[2,10]+10,\ \text{mod}[7,10]\ 2+10,\ (7-10)\ (2-10),\ (7+10)\ 2-10,$$
$$10+2\,\text{mod}[7,10],\ 10+\text{mod}[2,10]\ 7,\ (10-2)\,\text{mod}[10,7],\ (10-2)\ (10-7),$$
$$10+7\,\text{mod}[2,10],\ (10+7)\ 2-10,\ 10+\text{mod}[7,10]\ 2,\ \text{mod}[10,7]\ (10-2),\ (10-7)\ (10-2)\}\},$$

$$\Big\{\{2,8,8,8\},\Big\{\left(2+\frac{8}{8}\right)\ 8,\ (2+\text{Log}[8,8])\ 8,\ \text{Log}[\text{mod}[2,8],8]\ 8,\ \text{mod}[\text{Log}[2,8],8]\ 8,$$

$$\text{mod}[2,8]\ 8+8,\ \text{Log}\left[\text{mod}[2,8],8^8\right],\ 2\ (8+8)-8,\ \frac{2^8}{8}-8,\ 8\,\text{mod}[2,8]+8,$$

$$8+\text{mod}[2,8]\ 8,\ 8\left(2+\frac{8}{8}\right),\ 8\ (2+\text{Log}[8,8]),\ 8\,\text{Log}[\text{mod}[2,8],8],$$

$$8\,\mathrm{mod}[\mathrm{Log}[2,\,8],\,8],\ \frac{8}{2}\,8-8,\ \frac{8}{\frac{2}{8}}-8,\ \left(\frac{8}{8}+2\right)\,8,\ (\mathrm{Log}[8,\,8]+2)\,8,\ \frac{8}{\mathrm{Log}[8,\,\mathrm{mod}[2,\,8]]},$$

$$8+8\,\mathrm{mod}[2,\,8],\ (8+8)\,2-8,\ 8\times\frac{8}{2}-8,\ \frac{8\times 8}{2}-8,\ 8\left(\frac{8}{8}+2\right),\ 8\,(\mathrm{Log}[8,\,8]+2)\Big\}\Big\},$$

$$\Big\{\{2,\,8,\,8,\,9\},\ \Big\{\mathrm{Log}\Big[2,\,8^{\mathrm{mod}[8,9]}\Big],\ \mathrm{Log}[2,\,8]\,\mathrm{mod}[8,\,9],\ 2\times 8+\mathrm{mod}[8,\,9],\ ((2-8)+9)\,8,$$

$$\mathrm{Log}[2,\,\mathrm{mod}[8,\,9]]\,8,\ \mathrm{mod}[\mathrm{Log}[2,\,8],\,9]\,8,\ (2-(8-9))\,8,\ 2\,\mathrm{mod}[8,\,9]+8,\ \mathrm{Log}\Big[2,\,\frac{8^9}{8}\Big],$$

$$\mathrm{Log}\Big[2,\,\mathrm{mod}[8,\,9]^8\Big],\ \mathrm{Log}[\mathrm{mod}[2,\,9],\,8]\,8,\ (2+\mathrm{mod}[9,\,8])\,8,\ \mathrm{mod}[2+9,\,8]\,8,\ (2+(9-8))\,8,$$

$$((2+9)-8)\,8,\ \mathrm{mod}[2,\,9]\,8+8,\ \mathrm{Log}\Big[\mathrm{mod}[2,\,9],\,8^8\Big],\ (\mathrm{Log}[8,\,2]\,8)\,9,\ \frac{8}{\mathrm{Log}[2,\,8]}\,9,$$

$$\mathrm{Log}\Big[8,\,2^8\Big]\,9,\ \mathrm{Log}[8,\,2]\,(8\times 9),\ 8\,((2-8)+9),\ \frac{8}{\frac{\mathrm{Log}[2,8]}{9}},\ \frac{8}{\mathrm{Log}[2,\,\mathrm{root}[8,\,9]]},$$

$$8\,\mathrm{Log}[2,\,\mathrm{mod}[8,\,9]],\ \mathrm{Log}\Big[8,\,\left(2^8\right)^9\Big],\ 8\times 2+\mathrm{mod}[8,\,9],\ 8+2\,\mathrm{mod}[8,\,9],\ 8\,\mathrm{mod}[\mathrm{Log}[2,\,8],\,9],$$

$$8\,(2-(8-9)),\ (\mathrm{Log}[8,\,2]\,9)\,8,\ \mathrm{Log}\Big[8,\,2^9\Big]\,8,\ \mathrm{Log}[8,\,2]\,(9\times 8),\ 8\,\mathrm{mod}[2,\,9]+8,$$

$$8+\mathrm{mod}[2,\,9]\,8,\ \frac{8}{\mathrm{Log}\Big[2^9,\,8\Big]},\ \mathrm{Log}\Big[8,\,\left(2^9\right)^8\Big],\ 8\,\mathrm{Log}[\mathrm{mod}[2,\,9],\,8],\ 8\,(2+\mathrm{mod}[9,\,8]),$$

$$8\,\mathrm{mod}[2+9,\,8],\ 8\,(2+(9-8)),\ 8\,((2+9)-8),\ (8\,\mathrm{Log}[8,\,2])\,9,\ \mathrm{Log}[\mathrm{root}[8,\,8],\,2]\,9,$$

$$8\,(\mathrm{Log}[8,\,2]\,9),\ \frac{8}{\mathrm{Log}[8,\,\mathrm{mod}[2,\,9]]},\ 8\,\mathrm{Log}\Big[8,\,2^9\Big],\ 8+8\,\mathrm{mod}[2,\,9],\ 8+\mathrm{mod}[8,\,9]\,2,$$

$$\frac{8}{\mathrm{Log}[\mathrm{mod}[8,\,9],\,2]},\ 8\,\mathrm{Log}[\mathrm{root}[8,\,9],\,2],\ \mathrm{root}[(8\times 8)\,9,\,2],\ \mathrm{root}[8\,(8\times 9),\,2],$$

$$\mathrm{Log}[\mathrm{root}[8,\,9],\,2]\,8,\ \mathrm{mod}[8,\,9]\,2+8,\ \mathrm{mod}[8,\,9]+2\times 8,\ 8\,\frac{9}{\mathrm{Log}[2,\,8]},\ \frac{8\times 9}{\mathrm{Log}[2,\,8]},$$

$$\mathrm{mod}[8,\,9]\,\mathrm{Log}[2,\,8],\ 8\,\mathrm{mod}[9+2,\,8],\ 8\,\mathrm{mod}[\mathrm{root}[9,\,2],\,8],\ 8\,\mathrm{root}[9,\,\mathrm{mod}[2,\,8]],$$

$$8\,(9+(2-8)),\ 8\,((9+2)-8),\ 8\,(\mathrm{mod}[9,\,8]+2),\ 8\,((9-8)+2),\ \mathrm{mod}[8,\,9]+8\times 2,$$

$$\frac{\mathrm{mod}[8,\,9]}{\mathrm{Log}[8,\,2]},\ (8\times 9)\,\mathrm{Log}[8,\,2],\ 8\,(9\,\mathrm{Log}[8,\,2]),\ 8\,\mathrm{mod}[9,\,8-2],\ \mathrm{root}[(8\times 9)\,8,\,2],$$

$$\mathrm{root}[8\,(9\times 8),\,2],\ 8\,(9-(8-2)),\ \frac{9}{\mathrm{Log}[2,\,8]}\,8,\ \mathrm{mod}[9+2,\,8]\,8,\ \mathrm{mod}[\mathrm{root}[9,\,2],\,8]\,8,$$

$$\mathrm{root}[9,\,\mathrm{mod}[2,\,8]]\,8,\ (9+(2-8))\,8,\ ((9+2)-8)\,8,\ \frac{9}{\frac{\mathrm{Log}[2,8]}{8}},\ \frac{9}{\mathrm{Log}[2,\,\mathrm{root}[8,\,8]]},$$

$$\frac{9}{\mathrm{Log}\Big[2^8,\,8\Big]},\ (\mathrm{mod}[9,\,8]+2)\,8,\ ((9-8)+2)\,8,\ (9\,\mathrm{Log}[8,\,2])\,8,\ \mathrm{mod}[9,\,8-2]\,8,$$

$$(9-(8-2))\,8,\ 9\,(\mathrm{Log}[8,\,2]\,8),\ 9\,\frac{8}{\mathrm{Log}[2,\,8]},\ \frac{9\times 8}{\mathrm{Log}[2,\,8]},\ 9\,\mathrm{Log}\Big[8,\,2^8\Big],\ (9\times 8)\,\mathrm{Log}[8,\,2],$$

$$9\,(8\,\mathrm{Log}[8,\,2]),\ 9\,\mathrm{Log}[\mathrm{root}[8,\,8],\,2],\ \mathrm{root}[(9\times 8)\,8,\,2],\ \mathrm{root}[9\,(8\times 8),\,2]\Big\}\Big\},$$

$$\Big\{\{2,\,8,\,8,\,10\},\ \Big\{\mathrm{Log}\Big[2,\,8^{\mathrm{mod}[8,10]}\Big],\ \mathrm{Log}[2,\,8]\,\mathrm{mod}[8,\,10],\ 2\times 8+\mathrm{mod}[8,\,10],$$

$$\mathrm{Log}[2,\,\mathrm{mod}[8,\,10]]\,8,\ \mathrm{mod}[\mathrm{Log}[2,\,8],\,10]\,8,\ 2\,\mathrm{mod}[8,\,10]+8,\ \mathrm{Log}\Big[2,\,\mathrm{mod}[8,\,10]^8\Big],$$

$$\mathrm{Log}[\mathrm{mod}[2,\,10],\,8]\,8,\ \mathrm{mod}[2,\,10]\,8+8,\ \mathrm{Log}\Big[\mathrm{mod}[2,\,10],\,8^8\Big],\ ((8-2)+8)+10,$$

$$(8-(2-8))+10,\ (8-2)+(8+10),\ 8\,\mathrm{Log}[2,\,\mathrm{mod}[8,\,10]],\ 8\times 2+\mathrm{mod}[8,\,10],$$

$$8+2\,\mathrm{mod}[8,\,10],\ 8\,\mathrm{mod}[\mathrm{Log}[2,\,8],\,10],\ 8-(2-(8+10)),\ 8-((2-8)-10),\ ((8-2)+10)+8,$$

$$8\,\mathrm{mod}[2,\,10]+8,\ (8-(2-10))+8,\ 8+\mathrm{mod}[2,\,10]\,8,\ (8-2)+(10+8),\ 8\,\mathrm{Log}[\mathrm{mod}[2,\,10],\,8],$$

$$8-(2-(10+8)),\ 8-((2-10)-8),\ (8+(8-2))+10,\ ((8+8)-2)+10,\ 8+((8-2)+10),$$

$$\frac{8}{\text{Log}[8, \text{mod}[2, 10]]}, 8 + 8\,\text{mod}[2, 10], 8 + (8 - (2 - 10)), (8 + 8) - (2 - 10), 8 + \text{mod}[8, 10]\,2,$$

$$\frac{8}{\text{Log}[\text{mod}[8, 10], 2]}, 8\,\text{mod}\left[8, \frac{10}{2}\right], 8\left(8 - \frac{10}{2}\right), (8 + 8) + (10 - 2), 8 + (8 + (10 - 2)),$$

$$8 + ((8 + 10) - 2), ((8 + 8) + 10) - 2, (8 + (8 + 10)) - 2, \text{mod}\left[8, \frac{10}{2}\right] 8, \left(8 - \frac{10}{2}\right) 8,$$

$$\text{mod}[8, 10]\,2 + 8, (8 + (10 - 2)) + 8, ((8 + 10) - 2) + 8, \text{mod}[8, 10] + 2 \times 8, 8 + ((10 - 2) + 8),$$

$$\text{mod}[8, 10]\,\text{Log}[2, 8], 8 + (10 - (2 - 8)), (8 + 10) - (2 - 8), \text{mod}[8, 10] + 8 \times 2, \frac{\text{mod}[8, 10]}{\text{Log}[8, 2]},$$

$$(8 + 10) + (8 - 2), 8 + (10 + (8 - 2)), 8 + ((10 + 8) - 2), ((8 + 10) + 8) - 2, (8 + (10 + 8)) - 2,$$
$$((10 - 2) + 8) + 8, (10 - (2 - 8)) + 8, (10 - 2) + (8 + 8), 10 - (2 - (8 + 8)), 10 - ((2 - 8) - 8),$$
$$(10 + (8 - 2)) + 8, ((10 + 8) - 2) + 8, 10 + ((8 - 2) + 8), 10 + (8 - (2 - 8)), (10 + 8) - (2 - 8),$$
$$(10 + 8) + (8 - 2), 10 + (8 + (8 - 2)), 10 + ((8 + 8) - 2), ((10 + 8) + 8) - 2, (10 + (8 + 8)) - 2\Big\}\Big\},$$

$$\Big\{\{2, 8, 9, 9\}, \Big\{\left(2 + \frac{9}{9}\right) 8, (2 + \text{Log}[9, 9])\,8, ((8 - 2) + 9) + 9, (8 - (2 - 9)) + 9,$$

$$(8 - 2) + (9 + 9), 8\left(2 + \frac{9}{9}\right), 8\,(2 + \text{Log}[9, 9]), 8 - (2 - (9 + 9)), 8 - ((2 - 9) - 9),$$

$$\frac{8}{\text{root}[9, 2]}\,9, (8 + (9 - 2)) + 9, ((8 + 9) - 2) + 9, 8 + ((9 - 2) + 9), \frac{8}{\frac{\text{root}[9,2]}{9}},$$

$$8\,\text{mod}[\text{root}[9, 2], 9], 8\,\text{root}[9, \text{mod}[2, 9]], 8 + (9 - (2 - 9)), (8 + 9) - (2 - 9),$$

$$8\left(\frac{9}{9} + 2\right), 8\,(\text{Log}[9, 9] + 2), 8\,\frac{9}{\text{root}[9, 2]}, \frac{8 \times 9}{\text{root}[9, 2]}, \text{mod}[8, 9]\,\text{root}[9, 2],$$

$$(8 + 9) + (9 - 2), 8 + (9 + (9 - 2)), 8 + ((9 + 9) - 2), ((8 + 9) + 9) - 2, (8 + (9 + 9)) - 2,$$
$$((9 - 2) + 8) + 9, (9 - (2 - 8)) + 9, (9 - 2) + (8 + 9), \text{root}[9, 2]\,\text{mod}[8, 9], 9 - (2 - (8 + 9)),$$
$$9 - ((2 - 8) - 9), \text{mod}[\text{root}[9, 2], 9]\,8, \text{root}[9, \text{mod}[2, 9]]\,8, ((9 - 2) + 9) + 8,$$
$$(9 - (2 - 9)) + 8, (9 - 2) + (9 + 8), 9 - (2 - (9 + 8)), 9 - ((2 - 9) - 8), (9 + (8 - 2)) + 9,$$

$$((9 + 8) - 2) + 9, 9 + ((8 - 2) + 9), 9 + (8 - (2 - 9)), (9 + 8) - (2 - 9), 9\,\frac{8}{\text{root}[9, 2]},$$

$$\frac{9 \times 8}{\text{root}[9, 2]}, (9 + 8) + (9 - 2), 9 + (8 + (9 - 2)), 9 + ((8 + 9) - 2), ((9 + 8) + 9) - 2,$$

$$(9 + (8 + 9)) - 2, \left(\frac{9}{9} + 2\right) 8, (\text{Log}[9, 9] + 2)\,8, \frac{9}{\text{root}[9, 2]}\,8, (9 + (9 - 2)) + 8,$$

$$((9 + 9) - 2) + 8, 9 + ((9 - 2) + 8), \frac{9}{\frac{\text{root}[9,2]}{8}}, 9 + (9 - (2 - 8)), (9 + 9) - (2 - 8),$$

$$(9 + 9) + (8 - 2), 9 + (9 + (8 - 2)), 9 + ((9 + 8) - 2), ((9 + 9) + 8) - 2, (9 + (9 + 8)) - 2\Big\}\Big\},$$

$$\{\{2, 8, 9, 10\}, \{2\,(8 + 9) - 10, 2\,(9 + 8) - 10, ((2 - 9) + 10)\,8, (2 - (9 - 10))\,8, (2 + \text{mod}[10, 9])\,8,$$
$$\text{mod}[2 + 10, 9]\,8, (2 + (10 - 9))\,8, ((2 + 10) - 9)\,8, 8\,((2 - 9) + 10), 8\,(2 - (9 - 10)),$$
$$8\,(2 + \text{mod}[10, 9]), 8\,\text{mod}[2 + 10, 9], 8\,(2 + (10 - 9)), 8\,((2 + 10) - 9), 8\,\text{mod}[\text{root}[9, 2], 10],$$
$$8\,\text{root}[9, \text{mod}[2, 10]], (8 + 9)\,2 - 10, 8\,\text{root}[\text{mod}[9, 10], 2], 8\,\text{mod}[10 + 2, 9],$$
$$8\,(10 + (2 - 9)), 8\,((10 + 2) - 9), 8\,(\text{mod}[10, 9] + 2), 8\,((10 - 9) + 2), 8\,\text{mod}[10, 9 - 2],$$
$$\text{mod}[8, 10]\,\text{root}[9, 2], 8\,(10 - (9 - 2)), \text{root}[9, 2]\,\text{mod}[8, 10], \text{mod}[\text{root}[9, 2], 10]\,8,$$
$$\text{root}[9, \text{mod}[2, 10]]\,8, (9 + 8)\,2 - 10, \text{root}[\text{mod}[9, 10], 2]\,8, \text{mod}[10 + 2, 9]\,8, (10 + (2 - 9))\,8,$$
$$((10 + 2) - 9)\,8, (\text{mod}[10, 9] + 2)\,8, ((10 - 9) + 2)\,8, \text{mod}[10, 9 - 2]\,8, (10 - (9 - 2))\,8\}\},$$

$$\Big\{\{2, 8, 10, 10\}, \Big\{2\,(\text{mod}[10, 8] + 10), 2\,((10 - 8) + 10), 2\,(10 - (8 - 10)), \left(2 + \frac{10}{10}\right) 8,$$

$$(2 + \text{Log}[10, 10])\,8, (2 + 10)\,\text{mod}[10, 8], 2\,(10 + \text{mod}[10, 8]), (2 + 10)\,(10 - 8),$$

$$2\,(10 + (10 - 8)), 2\,((10 + 10) - 8), \left(\frac{8}{2} + 10\right) + 10, \frac{8}{2} + (10 + 10), 8\left(2 + \frac{10}{10}\right), 8\,(2 + \text{Log}[10, 10]),$$

$$8\left(\frac{10}{10}+2\right),\ 8\,(\text{Log}[10,\ 10]+2),\ (10+2)\,\text{mod}[10,\ 8],\ (10+2)\,(10-8),\ \text{mod}[10,\ 8]\,(2+10),$$

$$(10-8)\,(2+10),\ \left(10+\frac{8}{2}\right)+10,\ 10+\left(\frac{8}{2}+10\right),\ (\text{mod}[10,\ 8]+10)\,2,\ ((10-8)+10)\,2,$$

$$(10-(8-10))\,2,\ \text{mod}[10,\ 8]\,(10+2),\ (10-8)\,(10+2),\ \left(\frac{10}{10}+2\right)\,8,\ (\text{Log}[10,\ 10]+2)\,8,$$

$$(10+\text{mod}[10,\ 8])\,2,\ (10+(10-8))\,2,\ ((10+10)-8)\,2,\ (10+10)+\frac{8}{2},\ 10+\left(10+\frac{8}{2}\right)\Big\}\Big\},$$

$$\{\{2,\ 9,\ 9,\ 9\},\ \{\}\},\ \{\{2,\ 9,\ 9,\ 10\},\ \{\}\},\ \Big\{\{2,\ 9,\ 10,\ 10\},$$

$$\Big\{\left(9+\frac{10}{2}\right)+10,\ 9+\left(\frac{10}{2}+10\right),\ (9+10)+\frac{10}{2},\ 9+\left(10+\frac{10}{2}\right),\ \left(\frac{10}{2}+9\right)+10,\ \frac{10}{2}+(9+10),$$

$$\left(\frac{10}{2}+10\right)+9,\ \frac{10}{2}+(10+9),\ (10+9)+\frac{10}{2},\ 10+\left(9+\frac{10}{2}\right),\ \left(10+\frac{10}{2}\right)+9,\ 10+\left(\frac{10}{2}+9\right)\Big\}\Big\},$$

$$\{\{2,\ 10,\ 10,\ 10\},\ \{\}\},\ \{\{3,\ 3,\ 3,\ 3\},\ \{(3\times 3)\ 3-3,\ 3\ (3\times 3)-3\}\},$$

$$\Big\{\{3,\ 3,\ 3,\ 4\},\ \Big\{(3\times 3-3)\ 4,\ 3+3\ (3+4),\ 3^3-\text{mod}[3,\ 4],\ 3\ (3+4)+3,$$

$$3+(3+4)\ 3,\ 3+3\ (4+3),\ 3^{\text{mod}[3,4]}-3,\ (3+4)\ 3+3,\ 3\ (4+3)+3,$$

$$3+(4+3)\ 3,\ \frac{3^4}{3}-3,\ \text{mod}[3,\ 4]^3-3,\ (4+3)\ 3+3,\ 4\ (3\times 3-3)\Big\}\Big\},$$

$$\Big\{\{3,\ 3,\ 3,\ 5\},\ \Big\{3\times 3+3\times 5,\ 3^3-\text{mod}[3,\ 5],\ 3\times 3+5\times 3,\ 3^{\text{mod}[3,5]}-3,\ 3\times 5+3\times 3,$$

$$3\,\text{mod}[5,\ 3]^3,\ 3\ (5-3)^3,\ \text{mod}[3,\ 5]^3-3,\ \text{mod}[5,\ 3]^3\ 3,\ (5-3)^3\ 3,\ 5\times 3+3\times 3\Big\}\Big\},$$

$$\Big\{\{3,\ 3,\ 3,\ 6\},\ \Big\{\left(\frac{3}{3}+3\right)\,6,\ (\text{Log}[3,\ 3]+3)\,6,\ \left(3+\frac{3}{3}\right)\,6,\ (3+\text{Log}[3,\ 3])\,6,\ (3+3)\ 3+6,$$

$$3\ (3+3)+6,\ (3+3)+3\times 6,\ 3+(3+3\times 6),\ 3^3+(3-6),\ \left(3^3+3\right)-6,\ 3+\left(3^3-6\right),$$

$$3^3-\text{mod}[3,\ 6],\ \left(3+3^3\right)-6,\ (3+3\times 6)+3,\ \left(3^3-6\right)+3,\ (3+3)+6\times 3,\ 3+(3\times 6+3),$$

$$3+(3+6\times 3),\ \frac{3}{\left(\frac{3}{6}\right)^3},\ 3\ (3+6)-3,\ 3^3-(6-3),\ 3^{\text{mod}[3,6]}-3,\ (3\times 6+3)+3,\ (3+6\times 3)+3,$$

$$3\times 6+(3+3),\ 3+(6\times 3+3),\ (3-6)+3^3,\ 3\left(\frac{6}{3}\right)^3,\ 3-\left(6-3^3\right),\ (3+6)\ 3-3,\ 3\ (6+3)-3,$$

$$3^{6-3}-3,\ \text{mod}[3,\ 6]^3-3,\ \left(\frac{6}{3}\right)^3\ 3,\ (6\times 3+3)+3,\ 6\left(\frac{3}{3}+3\right),\ 6\ (\text{Log}[3,\ 3]+3),\ 6+(3+3)\ 3,$$

$$6\times 3+(3+3),\ 6+3\ (3+3),\ 6\left(3+\frac{3}{3}\right),\ \frac{\frac{6^3}{3}}{3},\ \frac{6^3}{3\times 3},\ 6\ (3+\text{Log}[3,\ 3]),\ (6+3)\ 3-3,\ (6-3)^3-3\Big\}\Big\},$$

$$\Big\{\{3,\ 3,\ 3,\ 7\},\ \Big\{3\left(\frac{3}{3}+7\right),\ 3\ (\text{Log}[3,\ 3]+7),\ 3^3-\text{mod}[3,\ 7],\ \left(\frac{3}{3}+7\right)\ 3,$$

$$(\text{Log}[3,\ 3]+7)\ 3,\ (3+3)\ (7-3),\ 3^{\text{mod}[3,7]}-3,\ 3\left(7+\frac{3}{3}\right),\ 3\ (7+\text{Log}[3,\ 3]),$$

$$\text{mod}[3,\ 7]^3-3,\ \left(7+\frac{3}{3}\right)\ 3,\ (7+\text{Log}[3,\ 3])\ 3,\ (7-3)\ (3+3)\Big\}\Big\},$$

$$\Big\{\{3,\ 3,\ 3,\ 8\},\ \Big\{\left(\frac{3}{3}\,3\right)\,8,\ (\text{Log}[3,\ 3]\ 3)\,8,\ (\text{mod}[3,\ 3]+3)\,8,\ ((3-3)+3)\,8,\ \left(3\times\frac{3}{3}\right)\,8,$$

$$\frac{3}{\frac{3}{3}}\,8,\ \frac{3}{\text{Log}[3,\ 3]}\,8,\ \frac{3\times 3}{3}\,8,\ (3\,\text{Log}[3,\ 3])\,8,\ \text{Log}\left[3,\ 3^3\right]\,8,\ \text{Log}[\text{root}[3,\ 3],\ 3]\,8,$$

$$(3+\text{mod}[3,3])\ 8,\ \text{mod}[3,3\times 3]\ 8,\ \text{mod}[3,3+3]\ 8,\ 3^{\frac{3}{3}}\ 8,\ 3^{\text{Log}[3,3]}\ 8,\ \text{root}[3,3]^3\ 8,$$

$$\text{root}\left[3,\frac{3}{3}\right]\ 8,\ \text{root}[3,\text{Log}[3,3]]\ 8,\ \text{root}\left[3^3,3\right]\ 8,\ (3+(3-3))\ 8,\ (3-\text{mod}[3,3])\ 8,$$

$$(3-(3-3))\ 8,\ ((3+3)-3)\ 8,\ \frac{3}{3}\ (3\times 8),\ \text{Log}[3,3]\ (3\times 8),\ 3\left(\frac{3}{3}\ 8\right),\ 3\ (\text{Log}[3,3]\ 8),$$

$$3\ (\text{mod}[3,3]+8),\ 3\ ((3-3)+8),\ \text{mod}[3,3]+3\times 8,\ (3-3)+3\times 8,\ 3\ \frac{3}{\frac{3}{8}},\ \frac{3}{\frac{3}{3\times 8}},\ \frac{3}{\frac{3}{\frac{3}{8}}},$$

$$\frac{3}{\frac{\text{Log}[3,3]}{8}},\ \frac{3}{\text{Log}[3,\text{root}[3,8]]},\ \frac{3\times 3}{\frac{3}{8}},\ 3\,\text{Log}\left[3,3^8\right],\ \text{Log}\left[3,\left(3^3\right)^8\right],\ 3\times 3^{\text{Log}[3,8]},$$

$$3^{\text{Log}[3,3\times 8]},\ 3\ (3-(3-8)),\ 3-(3-3\times 8),\ 3^3-\text{mod}[3,8],\ \left(\frac{3}{3}\ 8\right)\ 3,\ (\text{Log}[3,3]\ 8)\ 3,$$

$$(\text{mod}[3,3]+8)\ 3,\ ((3-3)+8)\ 3,\ \frac{3}{\frac{3}{8}}\ 3,\ \text{Log}\left[3,3^8\right]\ 3,\ 3^{\text{Log}[3,8]}\ 3,\ (3-(3-8))\ 3,\ \frac{3}{3}\ (8\times 3),$$

$$\text{Log}[3,3]\ (8\times 3),\ \text{mod}[3,3]+8\times 3,\ (3-3)+8\times 3,\ \frac{3}{\frac{3}{8\times 3}},\ \frac{3}{\frac{\frac{3}{8}}{3}},\ \frac{3}{\text{Log}\left[3^8,3\right]},\ (3\times 3)\ \frac{8}{3},$$

$$3\left(3\times\frac{8}{3}\right),\ 3\ \frac{3\times 8}{3},\ \frac{(3\times 3)\ 8}{3},\ \frac{3\ (3\times 8)}{3},\ \text{Log}\left[3,\left(3^8\right)^3\right],\ 3\,\text{Log}[\text{root}[3,8],3],\ 3^{\text{Log}[3,8\times 3]},$$

$$3-(3-8\times 3),\ 3\ (3+(8-3)),\ 3+(3\times 8-3),\ 3\ ((3+8)-3),\ (3+3\times 8)-3,\ 3^{\text{mod}[3,8]}-3,$$

$$\left(3\times\frac{8}{3}\right)\ 3,\ \frac{3\times 8}{3}\ 3,\ \text{Log}[\text{root}[3,8],3]\ 3,\ (3+(8-3))\ 3,\ ((3+8)-3)\ 3,\ 3\left(\frac{8}{3}\ 3\right),$$

$$3\ ((8-3)+3),\ (3\times 8-3)+3,\ (3\times 8)\ \frac{3}{3},\ 3\left(8\times\frac{3}{3}\right),\ 3\ \frac{8}{\frac{3}{3}},\ 3\ \frac{8}{\text{Log}[3,3]},\ 3\ \frac{8\times 3}{3},\ \frac{(3\times 8)\ 3}{3},$$

$$\frac{3\times 8}{\frac{3}{3}},\ \frac{3\times 8}{\text{Log}[3,3]},\ \frac{3\ (8\times 3)}{3},\ (3\times 8)\ \text{Log}[3,3],\ 3\ (8\,\text{Log}[3,3]),\ 3\ (8+\text{mod}[3,3]),$$

$$3\times 8+\text{mod}[3,3],\ 3\,\text{mod}[8,3\times 3],\ 3\times 8^{\frac{3}{3}},\ 3\times 8^{\text{Log}[3,3]},\ (3\times 8)^{\frac{3}{3}},\ (3\times 8)^{\text{Log}[3,3]},\ 3\,\text{mod}[8,3]^3,$$

$$3\,\text{root}[8,3]^3,\ \text{root}[3\times 8,3]^3,\ 3\,\text{root}\left[8,\frac{3}{3}\right],\ 3\,\text{root}[8,\text{Log}[3,3]],\ \text{root}\left[3\times 8,\frac{3}{3}\right],$$

$$\text{root}[3\times 8,\text{Log}[3,3]],\ 3\,\text{root}\left[8^3,3\right],\ \text{root}\left[(3\times 8)^3,3\right],\ 3\ (8+(3-3)),\ 3\times 8+(3-3),$$

$$3\ (8-\text{mod}[3,3]),\ 3\ (8-(3-3)),\ 3+(8\times 3-3),\ 3\times 8-\text{mod}[3,3],\ 3\times 8-(3-3),$$

$$3\ ((8+3)-3),\ (3\times 8+3)-3,\ (3+8\times 3)-3,\ \text{mod}[3,8]^3-3,\ \left(\frac{8}{3}\ 3\right)\ 3,\ ((8-3)+3)\ 3,$$

$$\left(8\times\frac{3}{3}\right)\ 3,\ \frac{8}{\frac{3}{3}}\ 3,\ \frac{8}{\text{Log}[3,3]}\ 3,\ \frac{8\times 3}{3}\ 3,\ (8\,\text{Log}[3,3])\ 3,\ (8+\text{mod}[3,3])\ 3,\ \text{mod}[8,3\times 3]\ 3,$$

$$8^{\frac{3}{3}}\ 3,\ 8^{\text{Log}[3,3]}\ 3,\ \text{mod}[8,3]^3\ 3,\ \text{root}[8,3]^3\ 3,\ \text{root}\left[8,\frac{3}{3}\right]\ 3,\ \text{root}[8,\text{Log}[3,3]]\ 3,$$

$$\text{root}\left[8^3,3\right]\ 3,\ (8+(3-3))\ 3,\ (8-\text{mod}[3,3])\ 3,\ (8-(3-3))\ 3,\ ((8+3)-3)\ 3,\ \frac{8}{3}\ (3\times 3),$$

$$8\left(\frac{3}{3}\ 3\right),\ 8\ (\text{Log}[3,3]\ 3),\ 8\ (\text{mod}[3,3]+3),\ 8\ ((3-3)+3),\ (8\times 3-3)+3,\ (8\times 3)\ \frac{3}{3},$$

$$8\left(3\times\frac{3}{3}\right),\ 8\,\frac{3}{\frac{3}{3}},\ 8\,\frac{3}{\text{Log}[3,\ 3]},\ \frac{8}{\frac{3}{3\times 3}},\ \frac{8}{\frac{3}{\frac{3}{3}}},\ \frac{8}{\frac{\text{Log}[3,3]}{3}},\ \frac{8}{\text{Log}[3,\ \text{root}[3,\ 3]]},\ \frac{8}{\text{Log}\left[3^3,\ 3\right]},$$

$$8\,\frac{3\times 3}{3},\ \frac{8\times 3}{\frac{3}{3}},\ \frac{8\times 3}{\text{Log}[3,\ 3]},\ \frac{(8\times 3)\ 3}{3},\ \frac{8\ (3\times 3)}{3},\ (8\times 3)\ \text{Log}[3,\ 3],\ 8\ (3\ \text{Log}[3,\ 3]),$$

$$8\ \text{Log}\left[3,\ 3^3\right],\ 8\ \text{Log}[\text{root}[3,\ 3],\ 3],\ 8\ (3+\text{mod}[3,\ 3]),\ 8\times 3+\text{mod}[3,\ 3],\ 8\ \text{mod}[3,\ 3\times 3],$$

$$8\ \text{mod}[3,\ 3+3],\ 8\times 3^{\frac{3}{3}},\ 8\times 3^{\text{Log}[3,3]},\ (8\times 3)^{\frac{3}{3}},\ (8\times 3)^{\text{Log}[3,3]},\ 8\ \text{root}[3,\ 3]^3,\ \text{root}[8\times 3,\ 3]^3,$$

$$8\ \text{root}\left[3,\ \frac{3}{3}\right],\ 8\ \text{root}[3,\ \text{Log}[3,\ 3]],\ \text{root}\left[8\times 3,\ \frac{3}{3}\right],\ \text{root}[8\times 3,\ \text{Log}[3,\ 3]],$$

$$8\ \text{root}\left[3^3,\ 3\right],\ \text{root}\left[(8\times 3)^3,\ 3\right],\ 8\ (3+(3-3)),\ 8\times 3+(3-3),\ 8\ (3-\text{mod}[3,\ 3]),$$

$$8\ (3-(3-3)),\ 8\times 3-\text{mod}[3,\ 3],\ 8\times 3-(3-3),\ 8\ ((3+3)-3),\ (8\times 3+3)-3\Big\}\Big\},$$

$$\Big\{\{3,\ 3,\ 3,\ 9\},\ \Big\{\frac{(3+3)^3}{9},\ 3^3-\text{mod}[3,\ 9],\ 3\ \text{Log}[3,\ 9]^3,\ 3^3-\frac{9}{3},\ 3^{\text{mod}[3,9]}-3,$$

$$\text{root}[3,\ 3]^9-3,\ \text{Log}[3,\ 9]^3\ 3,\ \frac{3}{\text{Log}[9,\ 3]^3},\ 3\left(9-\frac{3}{3}\right),\ 3\ (9-\text{Log}[3,\ 3]),\ 3^{\frac{9}{3}}-3,$$

$$\text{mod}[3,\ 9]^3-3,\ \text{root}\left[3^9,\ 3\right]-3,\ \left(9-\frac{3}{3}\right)\ 3,\ (9-\text{Log}[3,\ 3])\ 3,\ \left(\frac{9}{3}\right)^3-3\Big\}\Big\},$$

$$\Big\{\{3,\ 3,\ 3,\ 10\},\ \Big\{3-3\ (3-10),\ 3^3-\text{mod}[3,\ 10],\ 3-(3-10)\ 3,\ 3+3\ (10-3),$$

$$3^{\text{mod}[3,10]}-3,\ 3\ (10-3)+3,\ 3+(10-3)\ 3,\ 3\times 10-(3+3),\ \text{mod}[3,\ 10]^3-3,$$

$$(3\times 10-3)-3,\ (10-3)\ 3+3,\ 10\times 3-(3+3),\ (10\times 3-3)-3\Big\}\Big\},$$

$$\{\{3,\ 3,\ 4,\ 4\},\ \{(3+\text{mod}[3,\ 4])\ 4,\ 3\ (3\times 4-4),\ (\text{mod}[3,\ 4]+3)\ 4,$$

$$3\times 4+3\times 4,\ 3\ (4\times 3-4),\ (3\times 4-4)\ 3,\ 3\times 4+4\times 3,\ 4\times 3+3\times 4,$$

$$4\ (3+\text{mod}[3,\ 4]),\ (4\times 3-4)\ 3,\ 4\ (\text{mod}[3,\ 4]+3),\ 4\times 3+4\times 3\}\},$$

$$\Big\{\{3,\ 3,\ 4,\ 5\},\ \Big\{3\ (\text{mod}[3,\ 4]+5),\ (3+3)\ \text{mod}[4,\ 5],\ \left(\frac{3}{3}+5\right)\ 4,\ (\text{Log}[3,\ 3]+5)\ 4,$$

$$(3+\text{mod}[3,\ 5])\ 4,\ \text{mod}[3,\ 4]\ (3+5),\ (\text{mod}[3,\ 4]+5)\ 3,\ \text{mod}[3,\ 4]\ (5+3),\ (3\times 4)\ \text{mod}[5,\ 3],$$

$$3\ (4\ \text{mod}[5,\ 3]),\ (3\times 4)\ (5-3),\ 3\ (4\ (5-3)),\ 3\ (4+5)-3,\ (\text{mod}[3,\ 5]+3)\ 4,$$

$$(3\ \text{mod}[5,\ 3])\ 4,\ (3\ (5-3))\ 4,\ 3\ (\text{mod}[5,\ 3]\ 4),\ 3\ ((5-3)\ 4),\ (3+5)\ \text{mod}[3,\ 4],$$

$$3\ (5+\text{mod}[3,\ 4]),\ 3\ (5+4)-3,\ 4\left(\frac{3}{3}+5\right),\ 4\ (\text{Log}[3,\ 3]+5),\ 4\ (3+\text{mod}[3,\ 5]),$$

$$4\ (\text{mod}[3,\ 5]+3),\ (4\times 3)\ \text{mod}[5,\ 3],\ 4\ (3\ \text{mod}[5,\ 3]),\ (4\times 3)\ (5-3),\ 4\ (3\ (5-3)),$$

$$(4\ \text{mod}[5,\ 3])\ 3,\ (4\ (5-3))\ 3,\ 4\ (\text{mod}[5,\ 3]\ 3),\ 4\ ((5-3)\ 3),\ \text{mod}[4,\ 5]\ (3+3),$$

$$4\left(5+\frac{3}{3}\right),\ 4\ (5+\text{Log}[3,\ 3]),\ (4+5)\ 3-3,\ (\text{mod}[5,\ 3]\ 3)\ 4,\ ((5-3)\ 3)\ 4,\ \left(5+\frac{3}{3}\right)\ 4,$$

$$(5+\text{Log}[3,\ 3])\ 4,\ \text{mod}[5,\ 3]\ (3\times 4),\ (5-3)\ (3\times 4),\ (5+3)\ \text{mod}[3,\ 4],\ (\text{mod}[5,\ 3]\ 4)\ 3,$$

$$((5-3)\ 4)\ 3,\ (5+\text{mod}[3,\ 4])\ 3,\ \text{mod}[5,\ 3]\ (4\times 3),\ (5-3)\ (4\times 3),\ (5+4)\ 3-3\Big\}\Big\},$$

$$\Big\{\{3,\ 3,\ 4,\ 6\},\ \Big\{\left(\frac{3}{3}\ 4\right)\ 6,\ (\text{Log}[3,\ 3]\ 4)\ 6,\ (\text{mod}[3,\ 3]+4)\ 6,\ ((3-3)+4)\ 6,\ \frac{3}{\frac{3}{4}}\ 6,$$

$$\text{Log}\left[3,\ 3^4\right]\ 6,\ 3^{\text{Log}[3,4]}\ 6,\ (3-(3-4))\ 6,\ \frac{3}{3}\ (4\times 6),\ \text{Log}[3,\ 3]\ (4\times 6),\ \text{mod}[3,\ 3]+4\times 6,$$

$$(3-3)+4\times 6,\ \frac{3}{\frac{3}{4\times 6}},\ \frac{3}{\frac{\frac{3}{4}}{6}},\ \text{Log}\left[3,\ \left(3^4\right)^6\right],\ (3+3)\ \text{mod}[4,\ 6],\ 3^{\text{Log}[3,4\times 6]},\ 3-(3-4\times 6),$$

$$\left(\frac{3}{3}\ 6\right)\ 4,\ (\text{Log}[3,\ 3]\ 6)\ 4,\ (\text{mod}[3,\ 3]+6)\ 4,\ ((3-3)+6)\ 4,\ \frac{3}{\frac{3}{6}}\ 4,\ \text{Log}\left[3,\ 3^6\right]\ 4,$$

$$(3+\text{mod}[3,6])\,4,\ 3^{\text{Log}[3,6]}\,4,\ (3-(3-6))\,4,\ \frac{3}{3}\,(6\times 4),\ \text{Log}[3,3]\,(6\times 4),\ \text{mod}[3,3]+6\times 4,$$

$$(3-3)+6\times 4,\ \frac{3}{\frac{3}{6\times 4}},\ \frac{3}{\frac{3}{\frac{6}{4}}},\ \text{Log}\left[3,\ \left(3^6\right)^4\right],\ 3^{\text{Log}[3,6\times 4]},\ 3-(3-6\times 4),\ \left(3\times\frac{4}{3}\right)6,\ \frac{3\times 4}{3}\,6,$$

$$\text{Log}[\text{root}[3,4],3]\,6,\ (3+\text{mod}[4,3])\,6,\ (3+(4-3))\,6,\ ((3+4)-3)\,6,\ 3\left(\frac{4}{3}\,6\right),\ 3\,\frac{4}{\frac{3}{6}},$$

$$\frac{3\times 4}{\frac{3}{6}},\ (3\times 4)\,\frac{6}{3},\ 3\left(4\times\frac{6}{3}\right),\ 3\,\frac{4\times 6}{3},\ \frac{(3\times 4)\,6}{3},\ \frac{3\,(4\times 6)}{3},\ 3+(4\times 6-3),\ (3+4\times 6)-3,$$

$$(\text{mod}[3,6]+3)\,4,\ \left(3\times\frac{6}{3}\right)4,\ \frac{3\times 6}{3}\,4,\ \text{Log}[\text{root}[3,6],3]\,4,\ (3+(6-3))\,4,\ ((3+6)-3)\,4,$$

$$3\left(\frac{6}{3}\,4\right),\ 3\,\frac{6}{\frac{3}{4}},\ \frac{3\times 6}{\frac{3}{4}},\ (3\times 6)\,\frac{4}{3},\ 3\left(6\times\frac{4}{3}\right),\ 3\,\frac{6\times 4}{3},\ \frac{(3\times 6)\,4}{3},\ \frac{3\,(6\times 4)}{3},\ 3\,\text{mod}[6,4]^3,$$

$$3\,(6-4)^3,\ 3+(6\times 4-3),\ (3+6\times 4)-3,\ \left(\frac{4}{3}\,3\right)6,\ (\text{mod}[4,3]+3)\,6,\ ((4-3)+3)\,6,$$

$$\left(4\times\frac{3}{3}\right)6,\ \frac{4}{\frac{3}{3}}\,6,\ \frac{4}{\text{Log}[3,3]}\,6,\ \frac{4\times 3}{3}\,6,\ (4\,\text{Log}[3,3])\,6,\ (4+\text{mod}[3,3])\,6,\ \text{mod}[4,3\times 3]\,6,$$

$$\text{mod}[4,3+3]\,6,\ 4^{\frac{3}{3}}\,6,\ 4^{\text{Log}[3,3]}\,6,\ \text{root}[4,3]^3\,6,\ \text{root}\left[4,\ \frac{3}{3}\right]6,\ \text{root}[4,\text{Log}[3,3]]\,6,$$

$$\text{root}\left[4^3,\ 3\right]6,\ (4+(3-3))\,6,\ (4-\text{mod}[3,3])\,6,\ (4-(3-3))\,6,\ ((4+3)-3)\,6,\ \frac{4}{3}\,(3\times 6),$$

$$4\left(\frac{3}{3}\,6\right),\ 4\,(\text{Log}[3,3]\,6),\ 4\,(\text{mod}[3,3]+6),\ 4\,((3-3)+6),\ 4\,\frac{3}{\frac{3}{6}},\ \frac{4}{\frac{3}{3\times 6}},\ \frac{4}{\frac{3}{\frac{3}{6}}},\ \frac{4}{\frac{\text{Log}[3,3]}{6}},$$

$$\frac{4}{\text{Log}[3,\text{root}[3,6]]},\ \frac{4\times 3}{\frac{3}{6}},\ 4\,\text{Log}\left[3,\ 3^6\right],\ 4\,(3+\text{mod}[3,6]),\ 4\times 3^{\text{Log}[3,6]},\ 4\,(3-(3-6)),$$

$$\left(\frac{4}{3}\,6\right)3,\ \frac{4}{\frac{3}{6}}\,3,\ \frac{4}{3}\,(6\times 3),\ 4\,(\text{mod}[3,6]+3),\ \frac{4}{\frac{3}{6\times 3}},\ \frac{4}{\frac{\frac{3}{6}}{3}},\ \frac{4}{\text{Log}\left[3^6,\ 3\right]},\ (4\times 3)\,\frac{6}{3},\ 4\left(3\times\frac{6}{3}\right),$$

$$4\,\frac{3\times 6}{3},\ \frac{(4\times 3)\,6}{3},\ \frac{4\,(3\times 6)}{3},\ 4\,\text{Log}[\text{root}[3,6],3],\ 4\,(3+(6-3)),\ 4\,((3+6)-3),$$

$$\left(4\times\frac{6}{3}\right)3,\ \frac{4\times 6}{3}\,3,\ 4\left(\frac{6}{3}\,3\right),\ \text{mod}[4,6]\,(3+3),\ 4\,((6-3)+3),\ (4\times 6-3)+3,\ (4\times 6)\,\frac{3}{3},$$

$$4\left(6\times\frac{3}{3}\right),\ 4\,\frac{6}{\frac{3}{3}},\ 4\,\frac{6}{\text{Log}[3,3]},\ 4\,\frac{6\times 3}{3},\ \frac{(4\times 6)\,3}{3},\ \frac{4\times 6}{\frac{3}{3}},\ \frac{4\times 6}{\text{Log}[3,3]},\ \frac{4\,(6\times 3)}{3},$$

$$(4\times 6)\,\text{Log}[3,3],\ 4\,(6\,\text{Log}[3,3]),\ 4\,(6+\text{mod}[3,3]),\ 4\times 6+\text{mod}[3,3],\ 4\,\text{mod}[6,3\times 3],$$

$$4\times 6^{\frac{3}{3}},\ 4\times 6^{\text{Log}[3,3]},\ (4\times 6)^{\frac{3}{3}},\ (4\times 6)^{\text{Log}[3,3]},\ 4\,\text{root}[6,3]^3,\ \text{root}[4\times 6,3]^3,$$

$$4\,\text{root}\left[6,\ \frac{3}{3}\right],\ 4\,\text{root}[6,\text{Log}[3,3]],\ \text{root}\left[4\times 6,\ \frac{3}{3}\right],\ \text{root}[4\times 6,\text{Log}[3,3]],$$

$$4\,\text{root}\left[6^3,\ 3\right],\ \text{root}\left[(4\times 6)^3,\ 3\right],\ 4\,(6+(3-3)),\ 4\times 6+(3-3),\ 4\,(6-\text{mod}[3,3]),$$

$$4\,(6-(3-3)),\ 4\times 6-\text{mod}[3,3],\ 4\times 6-(3-3),\ 4\,((6+3)-3),\ (4\times 6+3)-3,\ \left(\frac{6}{3}\,3\right)4,$$

$$((6-3)+3)\,4,\ \left(6\times\frac{3}{3}\right)4,\ \frac{6}{\frac{3}{3}}4,\ \frac{6}{\text{Log}[3,3]}4,\ \frac{6\times3}{3}4,\ (6\,\text{Log}[3,3])\,4,\ (6+\text{mod}[3,3])\,4,$$

$$\text{mod}[6,3\times3]\,4,\ 6^{\frac{3}{3}}4,\ 6^{\text{Log}[3,3]}4,\ \text{root}[6,3]^3\,4,\ \text{root}\left[6,\frac{3}{3}\right]4,\ \text{root}[6,\text{Log}[3,3]]\,4,$$

$$\text{root}\left[6^3,3\right]4,\ (6+(3-3))\,4,\ (6-\text{mod}[3,3])\,4,\ (6-(3-3))\,4,\ ((6+3)-3)\,4,\ \frac{6}{3}(3\times4),$$

$$6\left(\frac{3}{3}4\right),\ 6\,(\text{Log}[3,3]\,4),\ 6\,(\text{mod}[3,3]+4),\ 6\,((3-3)+4),\ 6\,\frac{3}{\frac{3}{4}},\ \frac{6}{\frac{3}{3\times4}},\ \frac{6}{\frac{3}{\frac{3}{4}}},\ \frac{6}{\frac{\text{Log}[3,3]}{4}},$$

$$\frac{6}{\text{Log}[3,\text{root}[3,4]]},\ \frac{6\times3}{\frac{3}{4}},\ 6\,\text{Log}\left[3,3^4\right],\ 6\times3^{\text{Log}[3,4]},\ 6\,(3-(3-4)),\ \left(\frac{6}{3}4\right)3,\ \frac{6}{\frac{3}{4}}3,$$

$$\frac{6}{3}(4\times3),\ (6\times3)\,\frac{4}{3},\ 6\left(3\times\frac{4}{3}\right),\ \frac{6}{\frac{3}{4\times3}},\ \frac{6}{\frac{\frac{3}{4}}{3}},\ \frac{6}{\text{Log}\left[3^4,3\right]},\ 6\,\frac{3\times4}{3},\ \frac{(6\times3)\,4}{3},\ \frac{6\,(3\times4)}{3},$$

$$6\,\text{Log}[\text{root}[3,4],3],\ 6\,(3+\text{mod}[4,3]),\ 6\,(3+(4-3)),\ 6\,((3+4)-3),\ \left(6\times\frac{4}{3}\right)3,$$

$$\frac{6\times4}{3}3,\ \text{mod}[6,4]^3\,3,\ (6-4)^3\,3,\ 6\left(\frac{4}{3}3\right),\ 6\,(\text{mod}[4,3]+3),\ 6\,((4-3)+3),\ (6\times4-3)+3,$$

$$(6\times4)\,\frac{3}{3},\ 6\left(4\times\frac{3}{3}\right),\ 6\,\frac{4}{\frac{3}{3}},\ 6\,\frac{4}{\text{Log}[3,3]},\ 6\,\frac{4\times3}{3},\ \frac{(6\times4)\,3}{3},\ \frac{6\times4}{\frac{3}{3}},\ \frac{6\times4}{\text{Log}[3,3]},\ \frac{6\,(4\times3)}{3},$$

$$(6\times4)\,\text{Log}[3,3],\ 6\,(4\,\text{Log}[3,3]),\ 6\,(4+\text{mod}[3,3]),\ 6\times4+\text{mod}[3,3],\ 6\,\text{mod}[4,3\times3],$$

$$6\,\text{mod}[4,3+3],\ 6\times4^{\frac{3}{3}},\ 6\times4^{\text{Log}[3,3]},\ (6\times4)^{\frac{3}{3}},\ (6\times4)^{\text{Log}[3,3]},\ 6\,\text{root}[4,3]^3,\ \text{root}[6\times4,3]^3,$$

$$6\,\text{root}\left[4,\frac{3}{3}\right],\ 6\,\text{root}[4,\text{Log}[3,3]],\ \text{root}\left[6\times4,\frac{3}{3}\right],\ \text{root}[6\times4,\text{Log}[3,3]],$$

$$6\,\text{root}\left[4^3,3\right],\ \text{root}\left[(6\times4)^3,3\right],\ 6\,(4+(3-3)),\ 6\times4+(3-3),\ 6\,(4-\text{mod}[3,3]),$$

$$6\,(4-(3-3)),\ 6\times4-\text{mod}[3,3],\ 6\times4-(3-3),\ 6\,((4+3)-3),\ (6\times4+3)-3\Big\}\Big\},$$

$$\Big\{\{3,3,4,7\},\ \Big\{3+\text{mod}[3,4]\,7,\ (3+3)\,\text{mod}[4,7],\ 3^3+(4-7),\ \left(3^3+4\right)-7,\ (3+\text{mod}[3,7])\,4,$$

$$\text{mod}[3+3,7]\,4,\ \text{mod}\left[3^3,7\right]4,\ \left(3^3-7\right)+4,\ 3^3-\text{mod}[7,4],\ 3^3-(7-4),\ 3\,(\text{mod}[4,3]+7),$$

$$3\,((4-3)+7),\ \text{mod}[3,4]+3\times7,\ 3\,(4-(3-7)),\ \text{mod}[3,4]\,7+3,\ \text{mod}[3,4]+7\times3,$$

$$3\,(4+(7-3)),\ 3\,((4+7)-3),\ (\text{mod}[3,7]+3)\,4,\ 3\,((7-3)+4),\ 3\times7+\text{mod}[3,4],$$

$$3+7\,\text{mod}[3,4],\ 3\,(7-(3-4)),\ 3\,(7+\text{mod}[4,3]),\ 3\,(7+(4-3)),\ 3\,((7+4)-3),\ 3^{\text{mod}[7,4]}-3,$$

$$3^{7-4}-3,\ 4\,(3+\text{mod}[3,7]),\ 4\,\text{mod}[3+3,7],\ 4\,\text{mod}\left[3^3,7\right],\ 4+\left(3^3-7\right),\ \left(4+3^3\right)-7,$$

$$(\text{mod}[4,3]+7)\,3,\ ((4-3)+7)\,3,\ (4-(3-7))\,3,\ 4\,(\text{mod}[3,7]+3),\ (4+(7-3))\,3,$$

$$((4+7)-3)\,3,\ \text{mod}[4,7]\,(3+3),\ (4-7)+3^3,\ 4-\left(7-3^3\right),\ 4\left(7-\frac{3}{3}\right),\ 4\,(7-\text{Log}[3,3]),$$

$$\left(7-\frac{3}{3}\right)4,\ (7-\text{Log}[3,3])\,4,\ 7\times3+\text{mod}[3,4],\ ((7-3)+4)\,3,\ (7-(3-4))\,3,\ 7\,\text{mod}[3,4]+3,$$

$$(7+\text{mod}[4,3])\,3,\ (7+(4-3))\,3,\ ((7+4)-3)\,3,\ \text{mod}[7,4]^3-3,\ (7-4)^3-3\Big\}\Big\},$$

$$\Big\{\{3,3,4,8\},\ \Big\{\text{mod}[3,3\times4]\,8,\ \text{mod}[3,3+4]\,8,\ \text{mod}\left[3^3,4\right]8,\ (3+3)\,\text{mod}[4,8],$$

$$(3+\text{mod}[3,8])\,4,\ \text{mod}[3+3,8]\,4,\ (3+3)\,(8-4),\ \frac{3}{\text{mod}[4,3]}8,\ \frac{3}{4-3}8,\ \text{mod}[3,4\times3]\,8,$$

$$\text{mod}[3,4+3]\,8,\ (3\,\text{mod}[4,3])\,8,\ 3^{\text{mod}[4,3]}\,8,\ 3^{4-3}\,8,\ \text{root}[3,\text{mod}[4,3]]\,8,$$

$$\text{root}[3,\,4-3]\;8,\;(3\;(4-3))\;8,\;3\;(\text{mod}[4,\,3]\;8),\;3\;((4-3)\;8),\;\frac{3}{\frac{\text{mod}[4,3]}{8}},\;\frac{3}{\frac{4-3}{8}},\;3\;\frac{4^3}{8},$$

$$\frac{3\times 4^3}{8},\;\frac{3}{\left(\frac{4}{8}\right)^3},\;(3\times 4)\;\text{mod}[8,\,3],\;3\;(4\;\text{mod}[8,\,3]),\;(3\times 4)\;\text{root}[8,\,3],\;3\;(4\;\text{root}[8,\,3]),$$

$$(\text{mod}[3,\,8]+3)\;4,\;(3\;\text{mod}[8,\,3])\;4,\;(3\;\text{root}[8,\,3])\;4,\;3\;(\text{mod}[8,\,3]\;4),\;3\;(\text{root}[8,\,3]\;4),$$

$$\frac{3}{8^{3-4}},\;\frac{3}{\text{root}[8,\,3-4]},\;3\;\text{mod}[8,\,3\times 4],\;\frac{3}{\frac{8}{4^3}},\;3\;\frac{8}{\text{mod}[4,\,3]},\;3\;\frac{8}{4-3},\;\frac{3\times 8}{\text{mod}[4,\,3]},\;\frac{3\times 8}{4-3},$$

$$(3\times 8)\;\text{mod}[4,\,3],\;3\;(8\;\text{mod}[4,\,3]),\;3\;\text{mod}[8,\,4\times 3],\;\frac{3}{8}\;4^3,\;3\times 8^{\text{mod}[4,3]},\;3\times 8^{4-3},\;(3\times 8)^{\text{mod}[4,3]},$$

$$(3\times 8)^{4-3},\;3\left(\frac{8}{4}\right)^3,\;3\;\text{root}[8,\,\text{mod}[4,\,3]],\;3\;\text{root}[8,\,4-3],\;\text{root}[3\times 8,\,\text{mod}[4,\,3]],$$

$$\text{root}[3\times 8,\,4-3],\;(3\times 8)\;(4-3),\;3\;(8\;(4-3)),\;(\text{mod}[4,\,3]\;3)\;8,\;((4-3)\;3)\;8,\;\left(4-\frac{3}{3}\right)\;8,$$

$$(4-\text{Log}[3,\,3])\;8,\;\text{mod}[4,\,3]\;(3\times 8),\;(4-3)\;(3\times 8),\;4^3\;\frac{3}{8},\;\frac{4^3\;3}{8},\;4\;(3+\text{mod}[3,\,8]),$$

$$4\;\text{mod}[3+3,\,8],\;(\text{mod}[4,\,3]\;8)\;3,\;((4-3)\;8)\;3,\;\frac{4^3}{8}\;3,\;\text{mod}[4,\,3]\;(8\times 3),\;(4-3)\;(8\times 3),$$

$$4\;(\text{mod}[3,\,8]+3),\;\frac{4^3+8}{3},\;\frac{4^3}{\frac{8}{3}},\;(4\times 3)\;\text{mod}[8,\,3],\;4\;(3\;\text{mod}[8,\,3]),\;(4\times 3)\;\text{root}[8,\,3],$$

$$4\;(3\;\text{root}[8,\,3]),\;(4\;\text{mod}[8,\,3])\;3,\;(4\;\text{root}[8,\,3])\;3,\;4\;(\text{mod}[8,\,3]\;3),\;4\;(\text{root}[8,\,3]\;3),$$
$$\text{mod}[4,\,8]\;(3+3),\;(\text{mod}[8,\,3]\;3)\;4,\;(\text{root}[8,\,3]\;3)\;4,\;\text{mod}[8,\,3]\;(3\times 4),\;\text{root}[8,\,3]\;(3\times 4),$$

$$\frac{8}{3^{3-4}},\;\frac{8}{\text{root}[3,\,3-4]},\;8\;\text{mod}[3,\,3\times 4],\;8\;\text{mod}[3,\,3+4],\;8\;\text{mod}\left[3^3,\,4\right],\;(\text{mod}[8,\,3]\;4)\;3,$$

$$(\text{root}[8,\,3]\;4)\;3,\;\text{mod}[8,\,3\times 4]\;3,\;\text{mod}[8,\,3]\;(4\times 3),\;\text{root}[8,\,3]\;(4\times 3),\;8\;\frac{3}{\text{mod}[4,\,3]},$$

$$8\;\frac{3}{4-3},\;\frac{8\times 3}{\text{mod}[4,\,3]},\;\frac{8\times 3}{4-3},\;8\;\text{mod}[3,\,4\times 3],\;8\;\text{mod}[3,\,4+3],\;(8\times 3)\;\text{mod}[4,\,3],$$

$$8\;(3\;\text{mod}[4,\,3]),\;8\times 3^{\text{mod}[4,3]},\;8\times 3^{4-3},\;(8\times 3)^{\text{mod}[4,3]},\;(8\times 3)^{4-3},\;8\;\text{root}[3,\,\text{mod}[4,\,3]],$$
$$8\;\text{root}[3,\,4-3],\;\text{root}[8\times 3,\,\text{mod}[4,\,3]],\;\text{root}[8\times 3,\,4-3],\;(8\times 3)\;(4-3),$$

$$8\;(3\;(4-3)),\;\frac{8}{\text{mod}[4,\,3]}\;3,\;\frac{8}{4-3}\;3,\;(8\;\text{mod}[4,\,3])\;3,\;\text{mod}[8,\,4\times 3]\;3,\;8^{\text{mod}[4,3]}\;3,$$

$$8^{4-3}\;3,\;\left(\frac{8}{4}\right)^3\;3,\;\text{root}[8,\,\text{mod}[4,\,3]]\;3,\;\text{root}[8,\,4-3]\;3,\;(8\;(4-3))\;3,\;8\;(\text{mod}[4,\,3]\;3),$$

$$8\;((4-3)\;3),\;(8-4)\;(3+3),\;\frac{8}{\frac{\text{mod}[4,3]}{3}},\;\frac{8}{\frac{4-3}{3}},\;\frac{8+4^3}{3},\;8\left(4-\frac{3}{3}\right),\;8\;(4-\text{Log}[3,\,3])\Big\}\Big\},$$

$$\Big\{\{3,\,3,\,4,\,9\},\;\Big\{(3+3\times 4)+9,\;3\;((3-4)+9),\;3+(3\times 4+9),\;(3+3)\;\text{mod}[4,\,9],\;3\;(3-(4-9)),$$
$$(3\;\text{Log}[3,\,9])\;4,\;(3+\text{mod}[3,\,9])\;4,\;\text{mod}[3+3,\,9]\;4,\;3\;(\text{Log}[3,\,9]\;4),\;3\;\text{Log}\left[3,\,9^4\right],$$
$$3\;(3+(9-4)),\;3\;((3+9)-4),\;(3\times 4+3)+9,\;(3+4\times 3)+9,\;3\times 4+(3+9),\;3+(4\times 3+9),$$
$$(3\times 4)\;\text{Log}[3,\,9],\;3\;(4\;\text{Log}[3,\,9]),\;((3-4)+9)\;3,\;(3-(4-9))\;3,\;(3\times 4+9)+3,$$

$$3\times 4+(9+3),\;3\;\frac{4}{\text{Log}[9,\,3]},\;\frac{3\times 4}{\text{Log}[9,\,3]},\;\frac{3^4-9}{3},\;\text{mod}[3,\,4]\;9-3,\;(\text{Log}[3,\,9]\;3)\;4,$$

$$(\text{mod}[3,\,9]+3)\;4,\;\frac{3}{\text{Log}[9,\,3]}\;4,\;\left(3+\frac{9}{3}\right)\;4,\;\text{Log}\left[3,\,9^3\right]\;4,\;\text{Log}[3,\,9]\;(3\times 4),\;(3+9)+3\times 4,$$

$$3 + (9 + 3 \times 4),\ \frac{3}{\frac{\text{Log}[9,3]}{4}},\ \text{Log}\left[3,\ 9^{3 \times 4}\right],\ \text{Log}\left[3,\ \left(9^3\right)^4\right],\ 3\ (9 + (3 - 4)),\ 3 \times 9 - \text{mod}[3,\ 4],$$

$$3\ ((9 + 3) - 4),\ (\text{Log}[3,\ 9]\ 4)\ 3,\ \text{Log}\left[3,\ 9^4\right]\ 3,\ (3 + (9 - 4))\ 3,\ ((3 + 9) - 4)\ 3,$$

$$\text{Log}[3,\ 9]\ (4 \times 3),\ 3\ ((9 - 4) + 3),\ (3 + 9) + 4 \times 3,\ 3 + (9 + 4 \times 3),\ \frac{3}{\text{Log}\left[9^4,\ 3\right]},\ \text{Log}\left[3,\ 9^{4 \times 3}\right],$$

$$\text{Log}\left[3,\ \left(9^4\right)^3\right],\ 3\ (9 - \text{mod}[4,\ 3]),\ 3\ (9 - (4 - 3)),\ (4 \times 3 + 3) + 9,\ 4 \times 3 + (3 + 9),$$

$$(4 \times 3)\ \text{Log}[3,\ 9],\ 4\ (3\ \text{Log}[3,\ 9]),\ 4\ (3 + \text{mod}[3,\ 9]),\ 4\ \text{mod}[3 + 3,\ 9],\ (4\ \text{Log}[3,\ 9])\ 3,$$

$$4\ (\text{Log}[3,\ 9]\ 3),\ (4 \times 3 + 9) + 3,\ 4\ (\text{mod}[3,\ 9] + 3),\ 4 \times 3 + (9 + 3),\ 4\ \frac{3}{\text{Log}[9,\ 3]},\ 4\ \left(3 + \frac{9}{3}\right),$$

$$\frac{4 \times 3}{\text{Log}[9,\ 3]},\ 4\ \text{Log}\left[3,\ 9^3\right],\ \frac{4}{\text{Log}[9,\ 3]}\ 3,\ \text{mod}[4,\ 9]\ (3 + 3),\ 4\ \left(\frac{9}{3} + 3\right),\ \frac{4}{\frac{\text{Log}[9,3]}{3}},$$

$$\frac{4}{\text{Log}\left[9^3,\ 3\right]},\ \left(\frac{9}{3} + 3\right)\ 4,\ (9 + 3) + 3 \times 4,\ 9 + (3 + 3 \times 4),\ 9 \times 3 - \text{mod}[3,\ 4],\ (9 + (3 - 4))\ 3,$$

$$((9 + 3) - 4)\ 3,\ (9 + 3 \times 4) + 3,\ (9 + 3) + 4 \times 3,\ 9 + (3 \times 4 + 3),\ 9 + (3 + 4 \times 3),\ 9\ \text{mod}[3,\ 4] - 3,$$

$$((9 - 4) + 3)\ 3,\ (9 - \text{mod}[4,\ 3])\ 3,\ (9 - (4 - 3))\ 3,\ (9 + 4 \times 3) + 3,\ 9 + (4 \times 3 + 3)\Big\}\Big\},$$

$$\Big\{\{3,\ 3,\ 4,\ 10\},\ \Big\{(3 + 3)\ \text{mod}[4,\ 10],\ (3 + \text{mod}[3,\ 10])\ 4,\ \text{mod}[3 + 3,\ 10]\ 4,$$

$$(\text{mod}[3,\ 10] + 3)\ 4,\ 3\ \text{mod}[10,\ 4]^3,\ 4\ (3 + \text{mod}[3,\ 10]),\ 4\ \text{mod}[3 + 3,\ 10],$$

$$4\ (\text{mod}[3,\ 10] + 3),\ \text{mod}[4,\ 10]\ (3 + 3),\ \text{mod}[10,\ 4]^3\ 3\Big\}\Big\},$$

$$\Big\{\{3,\ 3,\ 5,\ 5\},\ \Big\{3\ (\text{mod}[3,\ 5] + 5),\ \text{mod}[3,\ 5]\ (3 + 5),\ (3 + 5)\ \text{mod}[3,\ 5],$$

$$3\ (5 + \text{mod}[3,\ 5]),\ (\text{mod}[3,\ 5] + 5)\ 3,\ \text{mod}[3,\ 5]\ (5 + 3),$$

$$(5 + 3)\ \text{mod}[3,\ 5],\ (5 + \text{mod}[3,\ 5])\ 3,\ 5 \times 5 - \frac{3}{3},\ 5 \times 5 - \text{Log}[3,\ 3]\Big\}\Big\},$$

$$\Big\{\{3,\ 3,\ 5,\ 6\},\ \Big\{\text{mod}[3 \times 3,\ 5]\ 6,\ (3 \times 3 - 5)\ 6,\ (3 + 3 \times 5) + 6,\ 3 + (3 \times 5 + 6),\ 3\ (3 + \text{mod}[5,\ 6]),$$

$$(3 + 3)\ 5 - 6,\ 3\ (\text{mod}[3,\ 6] + 5),\ (3 \times 5 + 3) + 6,\ (3 + 5 \times 3) + 6,\ 3\ (\text{mod}[5,\ 3] + 6),$$

$$3\ ((5 - 3) + 6),\ 3 \times 5 + (3 + 6),\ 3 + (5 \times 3 + 6),\ (3 + 5)\ \text{mod}[3,\ 6],\ 3\ (5 + \text{mod}[3,\ 6]),$$

$$3\ (5 - (3 - 6)),\ (3 + \text{mod}[5,\ 6])\ 3,\ (3 \times 5 + 6) + 3,\ 3\ (\text{mod}[5,\ 6] + 3),\ 3 \times 5 + (6 + 3),$$

$$(3 + 5)\ (6 - 3),\ 3\ (5 + (6 - 3)),\ 3\ ((5 + 6) - 3),\ \text{mod}[3,\ 6]\ (3 + 5),\ 3\ ((6 - 3) + 5),$$

$$(3 + 6) + 3 \times 5,\ 3 + (6 + 3 \times 5),\ 3\ (6 - (3 - 5)),\ (\text{mod}[3,\ 6] + 5)\ 3,\ \text{mod}[3,\ 6]\ (5 + 3),$$

$$(3 + 6) + 5 \times 3,\ 3 + (6 + 5 \times 3),\ 3\ (6 + \text{mod}[5,\ 3]),\ 3\ (6 + (5 - 3)),\ 3\ ((6 + 5) - 3),\ \left(5 - \frac{3}{3}\right)\ 6,$$

$$(5 - \text{Log}[3,\ 3])\ 6,\ (5 \times 3 + 3) + 6,\ 5 \times 3 + (3 + 6),\ (5 + 3)\ \text{mod}[3,\ 6],\ 5\ (3 + 3) - 6,$$

$$(\text{mod}[5,\ 3] + 6)\ 3,\ ((5 - 3) + 6)\ 3,\ (5 + \text{mod}[3,\ 6])\ 3,\ (5 - (3 - 6))\ 3,\ (5 \times 3 + 6) + 3,$$

$$5 \times 3 + (6 + 3),\ (5 + 3)\ (6 - 3),\ (\text{mod}[5,\ 6] + 3)\ 3,\ (5 + (6 - 3))\ 3,\ ((5 + 6) - 3)\ 3,$$

$$5 \times 6 - (3 + 3),\ (5 \times 6 - 3) - 3,\ (6 - 3)\ (3 + 5),\ (6 + 3) + 3 \times 5,\ 6 + (3 + 3 \times 5),\ 6\ \text{mod}[3 \times 3,\ 5],$$

$$6\ (3 \times 3 - 5),\ ((6 - 3) + 5)\ 3,\ (6 - (3 - 5))\ 3,\ (6 - 3)\ (5 + 3),\ (6 + 3 \times 5) + 3,\ (6 + 3) + 5 \times 3,$$

$$6 + (3 \times 5 + 3),\ 6 + (3 + 5 \times 3),\ (6 + \text{mod}[5,\ 3])\ 3,\ (6 + (5 - 3))\ 3,\ ((6 + 5) - 3)\ 3,$$

$$(6 + 5 \times 3) + 3,\ 6 + (5 \times 3 + 3),\ 6\ \left(5 - \frac{3}{3}\right),\ 6\ (5 - \text{Log}[3,\ 3]),\ 6 \times 5 - (3 + 3),\ (6 \times 5 - 3) - 3\Big\}\Big\},$$

$$\Big\{\{3,\ 3,\ 5,\ 7\},\ \Big\{3 + \text{mod}[3,\ 5]\ 7,\ 3\ (3 + \text{mod}[5,\ 7]),\ 3\ (3 \times 5 - 7),\ 3\ (\text{mod}[3,\ 7] + 5),$$

$$\text{mod}[3,\ 5] + 3 \times 7,\ (3 + 5)\ \text{mod}[3,\ 7],\ 3\ (5 + \text{mod}[3,\ 7]),\ 3\ (5 \times 3 - 7),\ (3 + \text{mod}[5,\ 7])\ 3,$$

$$(3 \times 5 - 7)\ 3,\ \text{mod}[3,\ 5]\ 7 + 3,\ 3\ (\text{mod}[5,\ 7] + 3),\ \text{mod}[3,\ 5] + 7 \times 3,\ \text{mod}[3,\ 7]\ (3 + 5),$$

$$3 \times 7 + \text{mod}[3,\ 5],\ 3 + 7\ \text{mod}[3,\ 5],\ (\text{mod}[3,\ 7] + 5)\ 3,\ \text{mod}[3,\ 7]\ (5 + 3),$$

$$3\ \text{mod}[7,\ 5]^3,\ 3\ (7 - 5)^3,\ (5 + 3)\ \text{mod}[3,\ 7],\ (5 + \text{mod}[3,\ 7])\ 3,\ (5 \times 3 - 7)\ 3,$$

$$(\text{mod}[5,\ 7] + 3)\ 3,\ 7 \times 3 + \text{mod}[3,\ 5],\ 7\ \text{mod}[3,\ 5] + 3,\ \text{mod}[7,\ 5]^3\ 3,\ (7 - 5)^3\ 3\Big\}\Big\},$$

$$\Big\{\{3,\ 3,\ 5,\ 8\},\ \Big\{\text{mod}[3,\ 3 \times 5]\ 8,\ \text{mod}[3,\ 3 + 5]\ 8,\ 3\ (3 + \text{mod}[5,\ 8]),\ 3^3 + (5 - 8),$$

$$\left(3^3 + 5\right) - 8,\ 3\ (\text{mod}[3,\ 8] + 5),\ \left(3^3 - 8\right) + 5,\ 3^3 - \text{mod}[8,\ 5],\ 3^3 - (8 - 5),\ \text{mod}[3,\ 5 \times 3]\ 8,$$

$$\text{mod}[3,\ 5 + 3]\ 8,\ (3 + 5)\ \text{mod}[3,\ 8],\ 3\ (5 + \text{mod}[3,\ 8]),\ (3 + \text{mod}[5,\ 8])\ 3,\ 3\ (\text{mod}[5,\ 8] + 3),$$

$$\text{mod}[3,\ 8]\ (3 + 5),\ 3\ \text{mod}[8,\ 3 \times 5],\ (\text{mod}[3,\ 8] + 5)\ 3,\ \text{mod}[3,\ 8]\ (5 + 3),\ 3\ \text{mod}[8,\ 5 \times 3],$$

$$3^{\text{mod}[8,5]} - 3,\ 3^{8-5} - 3,\ (5+3)\ \text{mod}[3,\ 8],\ 5 + \left(3^3 - 8\right),\ \left(5 + 3^3\right) - 8,\ (5 + \text{mod}[3,\ 8])\ 3,$$
$$(\text{mod}[5,\ 8] + 3)\ 3,\ (5-8) + 3^3,\ 5 - \left(8 - 3^3\right),\ 8\ \text{mod}[3,\ 3\times 5],\ 8\ \text{mod}[3,\ 3+5],\ \text{mod}[8,\ 3\times 5]\ 3,$$
$$8\ \text{mod}[3,\ 5\times 3],\ 8\ \text{mod}[3,\ 5+3],\ \text{mod}[8,\ 5\times 3]\ 3,\ \text{mod}[8,\ 5]^3 - 3,\ (8-5)^3 - 3\}\},$$

$$\{\{3,\ 3,\ 5,\ 9\},\ \{3\ (3 + \text{mod}[5,\ 9]),\ 3\ \text{mod}[3+5,\ 9],\ 3\ (\text{mod}[3,\ 9] + 5),\ (3+3)\ \text{mod}[9,\ 5],$$
$$(3+3)\ (9-5),\ \frac{3+5}{3}\ 9,\ \frac{3+5}{\frac{3}{9}},\ (3+5)\ \text{mod}[3,\ 9],\ 3\ (5 + \text{mod}[3,\ 9]),\ 3\ \text{mod}[5+3,\ 9],$$
$$3\ \text{mod}\left[5^3,\ 9\right],\ (3 + \text{mod}[5,\ 9])\ 3,\ \text{mod}[3+5,\ 9]\ 3,\ 3\ (\text{mod}[5,\ 9] + 3),\ (3+5)\ \frac{9}{3},\ 3\ \left(5 + \frac{9}{3}\right),$$
$$\frac{(3+5)\ 9}{3},\ \text{mod}[3,\ 5]\ 9 - 3,\ \frac{3^5}{9} - 3,\ \text{mod}[3,\ 9]\ (3+5),\ 3\ \left(\frac{9}{3} + 5\right),\ 3\times 9 - \text{mod}[3,\ 5],$$
$$(\text{mod}[3,\ 9] + 5)\ 3,\ \text{mod}[3,\ 9]\ (5+3),\ (3+9)\ \text{mod}[5,\ 3],\ (3+9)\ (5-3),\ \frac{5+3}{3}\ 9,\ \text{mod}[5,\ 3]\ (3+9),$$
$$(5-3)\ (3+9),\ \frac{5+3}{\frac{3}{9}},\ (5+3)\ \text{mod}[3,\ 9],\ (5 + \text{mod}[3,\ 9])\ 3,\ \text{mod}[5+3,\ 9]\ 3,\ \text{mod}\left[5^3,\ 9\right]\ 3,$$
$$\text{mod}[5,\ 3]\ (9+3),\ (5-3)\ (9+3),\ (5+3)\ \frac{9}{3},\ \frac{(5+3)\ 9}{3},\ (\text{mod}[5,\ 9] + 3)\ 3,\ \left(5 + \frac{9}{3}\right)\ 3,\ \frac{9}{3}\ (3+5),$$
$$\frac{9}{\frac{3}{3+5}},\ 9\times 3 - \text{mod}[3,\ 5],\ \left(\frac{9}{3} + 5\right)\ 3,\ \frac{9}{3}\ (5+3),\ \frac{9}{\frac{3}{5+3}},\ 9\ \frac{3+5}{3},\ \frac{9\ (3+5)}{3},\ (9+3)\ \text{mod}[5,\ 3],$$
$$(9+3)\ (5-3),\ 9\ \text{mod}[3,\ 5] - 3,\ \text{mod}[9,\ 5]\ (3+3),\ (9-5)\ (3+3),\ 9\ \frac{5+3}{3},\ \frac{9\ (5+3)}{3}\}\},$$

$$\{\{3,\ 3,\ 5,\ 10\},\ \{\left(3 - \frac{3}{5}\right)\ 10,\ (3\times 3+5) + 10,\ 3\ ((3-5) + 10),\ 3\times 3 + (5+10),\ 3\ (3 + \text{mod}[5,\ 10]),$$
$$3\ \text{mod}[3+5,\ 10],\ 3\ (3 - (5-10)),\ (3\times 3+10) + 5,\ 3\ (\text{mod}[3,\ 10] + 5),\ 3\times 3 + (10+5),$$
$$3\ (3 + (10-5)),\ 3\ ((3+10) - 5),\ \frac{3^5 - 3}{10},\ (3+5)\ \text{mod}[3,\ 10],\ 3\ (5 + \text{mod}[3,\ 10]),$$
$$3\ \text{mod}[5+3,\ 10],\ ((3-5) + 10)\ 3,\ (3 + \text{mod}[5,\ 10])\ 3,\ \text{mod}[3+5,\ 10]\ 3,\ (3 - (5-10))\ 3,$$
$$3\ (\text{mod}[5,\ 10] + 3),\ \frac{3}{\left(\frac{5}{10}\right)^3},\ \text{mod}[3,\ 10]\ (3+5),\ 3\ (10 + (3-5)),\ 3\ ((10+3) - 5),$$
$$(\text{mod}[3,\ 10] + 5)\ 3,\ (3 + (10-5))\ 3,\ ((3+10) - 5)\ 3,\ \text{mod}[3,\ 10]\ (5+3),\ 3\ ((10-5) + 3),$$
$$3\ \left(\frac{10}{5}\right)^3,\ 3\ (10 - \text{mod}[5,\ 3]),\ 3\ (10 - (5-3)),\ (5 + 3\times 3) + 10,\ 5 + (3\times 3 + 10),\ (5+3)\ \text{mod}[3,\ 10],$$
$$(5 + \text{mod}[3,\ 10])\ 3,\ \text{mod}[5+3,\ 10]\ 3,\ (\text{mod}[5,\ 10] + 3)\ 3,\ (5+10) + 3\times 3,\ 5 + (10 + 3\times 3),$$
$$(10 + 3\times 3) + 5,\ 10 + (3\times 3 + 5),\ 10\ \left(3 - \frac{3}{5}\right),\ (10 + (3-5))\ 3,\ ((10+3) - 5)\ 3,\ ((10-5) + 3)\ 3,$$
$$\left(\frac{10}{5}\right)^3\ 3,\ (10 - \text{mod}[5,\ 3])\ 3,\ (10 - (5-3))\ 3,\ (10+5) + 3\times 3,\ 10 + (5 + 3\times 3)\}\},$$

$$\{\{3,\ 3,\ 6,\ 6\},\ \{3\ \left(\frac{6}{3} + 6\right),\ 3\ \left(6 + \frac{6}{3}\right),\ \frac{6^3}{3+6},\ \left(\frac{6}{3} + 6\right)\ 3,\ \frac{6^3}{6+3},\ \left(6 + \frac{6}{3}\right)\ 3\}\},$$

$$\{\{3,\ 3,\ 6,\ 7\},\ \{3 + \text{mod}[3,\ 6]\ 7,\ 3 - (3-6)\ 7,\ 3\ (3+7) - 6,\ \text{mod}[3,\ 6] + 3\times 7,\ 3 + (6-3)\ 7,$$
$$\text{mod}[3,\ 6]\ 7 + 3,\ \text{mod}[3,\ 6] + 7\times 3,\ (3 + \text{mod}[7,\ 3])\ 6,\ (3\times 7-3) + 6,\ 3\times 7 + \text{mod}[3,\ 6],$$
$$3 + 7\ \text{mod}[3,\ 6],\ 3 - 7\ (3-6),\ (3+7)\ 3 - 6,\ 3\times 7 - (3-6),\ 3\ (7+3) - 6,\ 3\times 7 + (6-3),$$
$$3 + 7\ (6-3),\ (3\times 7+6) - 3,\ (6-3) + 3\times 7,\ 6 - (3 - 3\times 7),\ (6-3)\ 7 + 3,\ (6-3) + 7\times 3,$$
$$6\ (3 + \text{mod}[7,\ 3]),\ 6 - (3 - 7\times 3),\ 6 + (3\times 7-3),\ (6 + 3\times 7) - 3,\ 6\ (\text{mod}[7,\ 3] + 3),$$
$$6 + (7\times 3-3),\ (6 + 7\times 3) - 3,\ (\text{mod}[7,\ 3] + 3)\ 6,\ (7\times 3-3) + 6,\ 7\times 3 + \text{mod}[3,\ 6],$$
$$7\times 3 - (3-6),\ (7+3)\ 3 - 6,\ 7\ \text{mod}[3,\ 6] + 3,\ 7\times 3 + (6-3),\ (7\times 3+6) - 3,\ 7\ (6-3) + 3\}\},$$

$$\Big\{\{3, 3, 6, 8\}, \Big\{\text{mod}[3, 3+6]\ 8,\ \text{mod}[3\times 3, 6]\ 8,\ \text{mod}\left[3^3, 6\right]\ 8,\ (3\times 3-6)\ 8,\ \frac{3+6}{3}\ 8,$$

$$\text{mod}[3, 6+3]\ 8,\ (3+\text{mod}[6, 3])\ 8,\ (3-\text{mod}[6, 3])\ 8,\ 3\ (\text{mod}[6, 3]+8),\ \frac{3+6}{\frac{3}{8}},$$

$$(3+6)\ \frac{8}{3},\ \frac{(3+6)\ 8}{3},\ 3\ (6+\text{mod}[8, 3]),\ 3\ (6+\text{root}[8, 3]),\ 3\ (\text{mod}[8, 3]+6),$$

$$3\ (\text{root}[8, 3]+6),\ 3\,\text{mod}[8, 3+6],\ 3\ (8+\text{mod}[6, 3]),\ 3\times 8+\text{mod}[6, 3],\ 3\,\text{mod}[8, 6+3],$$

$$3\,\text{mod}[8, 6]^3,\ 3\ (8-6)^3,\ 3\ (8-\text{mod}[6, 3]),\ 3\times 8-\text{mod}[6, 3],\ (\text{mod}[6, 3]+3)\ 8,\ \frac{6+3}{3}\ 8,$$

$$\text{mod}[6, 3]+3\times 8,\ \frac{6+3}{\frac{3}{8}},\ (\text{mod}[6, 3]+8)\ 3,\ \text{mod}[6, 3]+8\times 3,\ (6+3)\ \frac{8}{3},\ \frac{(6+3)\ 8}{3},$$

$$\frac{6^3}{8}-3,\ (6+\text{mod}[8, 3])\ 3,\ (6+\text{root}[8, 3])\ 3,\ \frac{8}{3}\ (3+6),\ \frac{8}{\frac{3}{3+6}},\ 8\,\text{mod}[3, 3+6],$$

$$8\,\text{mod}[3\times 3, 6],\ 8\,\text{mod}\left[3^3, 6\right],\ 8\ (3\times 3-6),\ (\text{mod}[8, 3]+6)\ 3,\ (\text{root}[8, 3]+6)\ 3,$$

$$\text{mod}[8, 3+6]\ 3,\ \frac{8}{3}\ (6+3),\ \frac{8}{\frac{3}{6+3}},\ 8\ \frac{3+6}{3},\ \frac{8\ (3+6)}{3},\ 8\,\text{mod}[3, 6+3],\ 8\ (3+\text{mod}[6, 3]),$$

$$8\times 3+\text{mod}[6, 3],\ 8\ (3-\text{mod}[6, 3]),\ 8\times 3-\text{mod}[6, 3],\ (8+\text{mod}[6, 3])\ 3,\ \text{mod}[8, 6+3]\ 3,$$

$$\text{mod}[8, 6]^3\ 3,\ (8-6)^3\ 3,\ (8-\text{mod}[6, 3])\ 3,\ 8\ (\text{mod}[6, 3]+3),\ 8\ \frac{6+3}{3},\ \frac{8\ (6+3)}{3}\Big\}\Big\},$$

$$\Big\{\{3, 3, 6, 9\}, \Big\{(3\times 3+6)+9,\ 3\times 3+(6+9),\ 3^3+(6-9),\ \left(3^3+6\right)-9,\ (3\times 3+9)+6,$$

$$3\ (\text{Log}[3, 9]+6),\ \left(3^3-9\right)+6,\ 3\times 3+(9+6),\ 3+(3\times 9-6),\ (3+3\times 9)-6,\ 3^3-\text{mod}[9, 6],$$

$$3^3-(9-6),\ (3\times 6-3)+9,\ (3-6)+3\times 9,\ 3\ (6+\text{Log}[3, 9]),\ 3-(6-3\times 9),\ 3\times 6-(3-9),$$

$$(3-6)+9\times 3,\ 3-(6-9\times 3),\ 3\times 6+(9-3),\ \text{mod}[3, 6]\ 9-3,\ (3\times 6+9)-3,\ \frac{3+9}{3}\ 6,$$

$$3\ (9-3)+6,\ \frac{3+9}{\frac{3}{6}},\ 3\times 9+(3-6),\ 3+(9\times 3-6),\ 3\times 9-\text{mod}[3, 6],\ (3\times 9+3)-6,\ (3+9\times 3)-6,$$

$$(\text{Log}[3, 9]+6)\ 3,\ (3\times 9-6)+3,\ (3+9)\ \frac{6}{3},\ \frac{(3+9)\ 6}{3},\ 3\times 9-(6-3),\ 3^{\text{mod}[9,6]}-3,\ 3^{9-6}-3,$$

$$\frac{6}{3}\ (3+9),\ (6+3\times 3)+9,\ (6\times 3-3)+9,\ 6+(3\times 3+9),\ \frac{6}{\frac{3}{3+9}},\ 6-3\ (3-9),\ 6\times 3-(3-9),$$

$$6+\left(3^3-9\right),\ \left(6+3^3\right)-9,\ (6+\text{Log}[3, 9])\ 3,\ \frac{6}{3}\ (9+3),\ \frac{6}{\frac{3}{9+3}},\ 6\ \frac{3+9}{3},\ \frac{6\ (3+9)}{3},\ 6-(3-9)\ 3,$$

$$6\times 3+(9-3),\ 6+3\ (9-3),\ (6-3)\ 9-3,\ (6\times 3+9)-3,\ (6+9)+3\times 3,\ 6+(9-3)\ 3,$$

$$6+(9+3\times 3),\ 6\ \frac{9+3}{3},\ \frac{6\ (9+3)}{3},\ (6-9)+3^3,\ \left(\frac{6}{\text{root}[9, 3]}\right)^3,\ 6-\left(9-3^3\right),\ \frac{9+3}{3}\ 6,$$

$$(9-3)\ 3+6,\ (9+3\times 3)+6,\ (9-3)+3\times 6,\ 9+(3\times 3+6),\ \frac{9+3}{\frac{3}{6}},\ 9\times 3+(3-6),\ 9-(3-3\times 6),$$

$$9\times 3-\text{mod}[3, 6],\ (9\times 3+3)-6,\ (9\times 3-6)+3,\ (9-3)+6\times 3,\ (9+3)\ \frac{6}{3},\ \frac{(9+3)\ 6}{3},$$

$$9-(3-6\times 3),\ 9\times 3-(6-3),\ 9+(3\times 6-3),\ (9+3\times 6)-3,\ 9\,\text{mod}[3, 6]-3,\ (9+6)+3\times 3,$$

$$9+(6+3\times 3),\ 9+(6\times 3-3),\ (9+6\times 3)-3,\ \text{mod}[9, 6]^3-3,\ (9-6)^3-3,\ 9\ (6-3)-3\Big\}\Big\},$$

$$\Big\{\{3, 3, 6, 10\}, \Big\{3\,\text{mod}[3\times 6, 10],\ 3\ (3\times 6-10),\ (3+3)\,\text{mod}[10, 6],\ (3+3)\ (10-6),$$

$$3\,\mathrm{mod}[6\times 3,\,10],\ 3\,(6\times 3-10),\ \mathrm{mod}[3\times 6,\,10]\,3,\ (3\times 6-10)\,3,\ (3+\mathrm{mod}[10,\,3])\,6,$$
$$3\left(10-\frac{6}{3}\right),\ \mathrm{mod}[6\times 3,\,10]\,3,\ (6\times 3-10)\,3,\ 6\,(3+\mathrm{mod}[10,\,3]),\ 6\,(\mathrm{mod}[10,\,3]+3),$$
$$6\,\mathrm{mod}[10,\,3+3],\ 6\,(10-(3+3)),\ 6\,((10-3)-3),\ (\mathrm{mod}[10,\,3]+3)\,6,\ \mathrm{mod}[10,\,3+3]\,6,$$
$$(10-(3+3))\,6,\ ((10-3)-3)\,6,\ \left(10-\frac{6}{3}\right)3,\ \mathrm{mod}[10,\,6]\,(3+3),\ (10-6)\,(3+3)\Big\}\Big\},$$

$$\Big\{\{3,\,3,\,7,\,7\},\ \Big\{\left(3+\frac{3}{7}\right)7,\ 3+\mathrm{mod}[3,\,7]\,7,\ \left(\frac{3}{7}+3\right)7,\ 3\,(\mathrm{mod}[7,\,3]+7),\ \mathrm{mod}[3,\,7]+3\times 7,$$
$$3\times 7+\mathrm{mod}[3,\,7],\ 3+7\,\mathrm{mod}[3,\,7],\ \mathrm{mod}[3,\,7]\,7+3,\ \mathrm{mod}[3,\,7]+7\times 3,\ 3\,(7+\mathrm{mod}[7,\,3]),$$
$$7\left(3+\frac{3}{7}\right),\ 7\times 3+\mathrm{mod}[3,\,7],\ (\mathrm{mod}[7,\,3]+7)\,3,\ 7\left(\frac{3}{7}+3\right),\ 7\,\mathrm{mod}[3,\,7]+3,\ (7+\mathrm{mod}[7,\,3])\,3\Big\}\Big\},$$

$$\Big\{\{3,\,3,\,7,\,8\},\ \Big\{\mathrm{mod}[3,\,3+7]\,8,\ (3\times 3+7)+8,\ 3\times 3+(7+8),\ 3+3\,\mathrm{mod}[7,\,8],\ (3\times 3+8)+7,$$
$$3+\mathrm{mod}[3,\,8]\,7,\ 3\times 3+(8+7),\ \frac{3}{\mathrm{mod}[7,\,3]}\,8,\ \mathrm{mod}[3,\,7+3]\,8,\ \mathrm{mod}[3,\,7-3]\,8,$$
$$(3\,\mathrm{mod}[7,\,3])\,8,\ 3^{\mathrm{mod}[7,3]}\,8,\ \mathrm{root}[3,\,\mathrm{mod}[7,\,3]]\,8,\ 3\,(\mathrm{mod}[7,\,3]\,8),\ \frac{3}{\frac{\mathrm{mod}[7,3]}{8}},$$
$$3\times 7+\mathrm{mod}[3,\,8],\ 3+7\,\mathrm{mod}[3,\,8],\ 3\,\mathrm{mod}[7,\,8]+3,\ 3+\mathrm{mod}[7,\,8]\,3,\ \mathrm{mod}[3,\,8]+3\times 7,$$
$$3\,\mathrm{mod}[8,\,3+7],\ \mathrm{mod}[3,\,8]\,7+3,\ \mathrm{mod}[3,\,8]+7\times 3,\ 3\,\frac{8}{\mathrm{mod}[7,\,3]},\ \frac{3\times 8}{\mathrm{mod}[7,\,3]},$$
$$(3\times 8)\,\mathrm{mod}[7,\,3],\ 3\,(8\,\mathrm{mod}[7,\,3]),\ 3\,\mathrm{mod}[8,\,7+3],\ 3\times 8^{\mathrm{mod}[7,3]},\ (3\times 8)^{\mathrm{mod}[7,3]},$$
$$3\,\mathrm{root}[8,\,\mathrm{mod}[7,\,3]],\ \mathrm{root}[3\times 8,\,\mathrm{mod}[7,\,3]],\ (\mathrm{mod}[7,\,3]\,3)\,8,\ \mathrm{mod}[7,\,3]\,(3\times 8),$$
$$(7+3\times 3)+8,\ 7+(3\times 3+8),\ 7\times 3+\mathrm{mod}[3,\,8],\ (\mathrm{mod}[7,\,3]\,8)\,3,\ \mathrm{mod}[7,\,3]\,(8\times 3),$$
$$7\,\mathrm{mod}[3,\,8]+3,\ \mathrm{mod}[7,\,8]\,3+3,\ (7+8)+3\times 3,\ 7+(8+3\times 3),\ (8+3\times 3)+7,\ 8+(3\times 3+7),$$
$$8\,\mathrm{mod}[3,\,3+7],\ \mathrm{mod}[8,\,3+7]\,3,\ 8\,\frac{3}{\mathrm{mod}[7,\,3]},\ \frac{8\times 3}{\mathrm{mod}[7,\,3]},\ 8\,\mathrm{mod}[3,\,7+3],\ 8\,\mathrm{mod}[3,\,7-3],$$
$$(8\times 3)\,\mathrm{mod}[7,\,3],\ 8\,(3\,\mathrm{mod}[7,\,3]),\ 8\times 3^{\mathrm{mod}[7,3]},\ (8\times 3)^{\mathrm{mod}[7,3]},\ 8\,\mathrm{root}[3,\,\mathrm{mod}[7,\,3]],$$
$$\mathrm{root}[8\times 3,\,\mathrm{mod}[7,\,3]],\ \frac{8}{\mathrm{mod}[7,\,3]}\,3,\ (8\,\mathrm{mod}[7,\,3])\,3,\ \mathrm{mod}[8,\,7+3]\,3,\ 8^{\mathrm{mod}[7,3]}\,3,$$
$$\mathrm{root}[8,\,\mathrm{mod}[7,\,3]]\,3,\ 8\,(\mathrm{mod}[7,\,3]\,3),\ (8+7)+3\times 3,\ 8+(7+3\times 3),\ \frac{8}{\frac{\mathrm{mod}[7,3]}{3}}\Big\}\Big\},$$

$$\Big\{\{3,\,3,\,7,\,9\},\ \Big\{3+3\,\mathrm{mod}[7,\,9],\ 3+\mathrm{mod}[3,\,9]\,7,\ 3+\frac{7}{3}\,9,\ 3+\frac{7}{\frac{3}{9}},\ 3\times 7+\mathrm{mod}[3,\,9],$$
$$3+7\,\mathrm{mod}[3,\,9],\ (3-7)\,(3-9),\ 3\,\mathrm{mod}[7,\,9]+3,\ 3+\mathrm{mod}[7,\,9]\,3,\ 3\times 7+\frac{9}{3},\ 3+7\times\frac{9}{3},$$
$$3+\frac{7\times 9}{3},\ \mathrm{mod}[3,\,7]\,9-3,\ \mathrm{mod}[3,\,9]+3\times 7,\ 3+\frac{9}{3}\,7,\ 3+\frac{9}{\frac{3}{7}},\ (3-9)\,(3-7),\ 3\times 9-\mathrm{mod}[3,\,7],$$
$$\mathrm{mod}[3,\,9]\,7+3,\ \mathrm{mod}[3,\,9]+7\times 3,\ 3+9\times\frac{7}{3},\ 3+\frac{9\times 7}{3},\ 3\,\mathrm{mod}[9,\,7]^3,\ 3\,(9-7)^3,\ 3\,(9-\mathrm{mod}[7,\,3]),$$
$$7\times 3+\mathrm{mod}[3,\,9],\ \frac{7}{3}\,9+3,\ \frac{7}{\frac{3}{9}}+3,\ 7\,\mathrm{mod}[3,\,9]+3,\ 7\times 3+\frac{9}{3},\ (7-3)\,(9-3),\ \mathrm{mod}[7,\,9]\,3+3,$$
$$7\times\frac{9}{3}+3,\ \frac{7\times 9}{3}+3,\ \frac{9}{3}+3\times 7,\ 9\times 3-\mathrm{mod}[3,\,7],\ \frac{9}{3}\,7+3,\ \frac{9}{\frac{3}{7}}+3,\ \frac{9}{3}+7\times 3,\ (9-3)\,(7-3),$$
$$9\,\mathrm{mod}[3,\,7]-3,\ \mathrm{mod}[9,\,7]^3\,3,\ (9-7)^3\,3,\ (9-\mathrm{mod}[7,\,3])\,3,\ 9\times\frac{7}{3}+3,\ \frac{9\times 7}{3}+3\Big\}\Big\},$$

$$\{\{3, 3, 7, 10\}, \{3 + 3\,\mathrm{mod}[7, 10], 3^3 + (7 - 10), \left(3^3 + 7\right) - 10, \left(3^3 - 10\right) + 7, 3 + \mathrm{mod}[3, 10]\,7, 3^3 - \mathrm{mod}[10, 7], 3^3 - (10 - 7), 3 \times 7 + \mathrm{mod}[3, 10], 3 + 7\,\mathrm{mod}[3, 10], 3\,\mathrm{mod}[7, 10] + 3, 3 + \mathrm{mod}[7, 10]\,3, 3\,(7 + \mathrm{mod}[10, 3]), 3\,(\mathrm{mod}[10, 3] + 7), \mathrm{mod}[3, 10] + 3 \times 7, \mathrm{mod}[3, 10]\,7 + 3, \mathrm{mod}[3, 10] + 7 \times 3, 3^{\mathrm{mod}[10,7]} - 3, 3^{10-7} - 3, 7 \times 3 + \mathrm{mod}[3, 10], 7 + \left(3^3 - 10\right), \left(7 + 3^3\right) - 10, 7\,\mathrm{mod}[3, 10] + 3, (7 + \mathrm{mod}[10, 3])\,3, \mathrm{mod}[7, 10]\,3 + 3, (7 - 10) + 3^3, 7 - \left(10 - 3^3\right), (\mathrm{mod}[10, 3] + 7)\,3, \mathrm{mod}[10, 7]^3 - 3, (10 - 7)^3 - 3\}\},$$

$$\left\{\{3, 3, 8, 8\}, \left\{\mathrm{mod}[3, 3 + 8]\,8, \mathrm{mod}\left[3^3, 8\right]\,8, \mathrm{mod}[3, 8 + 3]\,8, \mathrm{mod}[3, 8 - 3]\,8, 3\,\mathrm{mod}[8, 3 + 8], 3\,\mathrm{mod}[8, 8 + 3], 8\,\mathrm{mod}[3, 3 + 8], 8\,\mathrm{mod}\left[3^3, 8\right], \mathrm{mod}[8, 3 + 8]\,3, \frac{8}{3 - \frac{8}{3}}, 8\,\mathrm{mod}[3, 8 + 3], 8\,\mathrm{mod}[3, 8 - 3], \mathrm{mod}[8, 8 + 3]\,3\right\}\right\},$$

$$\left\{\{3, 3, 8, 9\}, \left\{3^3\,\frac{8}{9}, \frac{3^3\,8}{9}, 3\,(3 + 8) - 9, \frac{3^3}{9}\,8, \mathrm{Log}[3, 3 \times 9]\,8, \mathrm{mod}[3, 3 + 9]\,8, \frac{3^3}{\frac{9}{8}}, \mathrm{Log}\left[3, (3 \times 9)^8\right], 3\,(8 - 3) + 9, 3\,\mathrm{mod}[8, 3 + 9], 3\,\mathrm{mod}\left[8^3, 9\right], (3 + 8)\,3 - 9, 3\,(8 + 3) - 9, 3\,\mathrm{mod}[8, 9 + 3], 3\,(8 + \mathrm{mod}[9, 3]), 3 \times 8 + \mathrm{mod}[9, 3], 3\,(8 - \mathrm{mod}[9, 3]), 3 \times 8 - \mathrm{mod}[9, 3], \mathrm{mod}[3, 8]\,9 - 3, \mathrm{Log}[3, 9 \times 3]\,8, \mathrm{mod}[3, 9 + 3]\,8, \mathrm{mod}[3, 9 - 3]\,8, (3 + \mathrm{mod}[9, 3])\,8, \mathrm{root}[3 \times 9, 3]\,8, (3 - \mathrm{mod}[9, 3])\,8, 3\,(\mathrm{mod}[9, 3] + 8), \mathrm{Log}\left[3, (9 \times 3)^8\right], 3 \times 9 - \mathrm{mod}[3, 8], (3 + 9)\,\mathrm{mod}[8, 3], (3 + 9)\,\mathrm{root}[8, 3], \mathrm{mod}[8, 3]\,(3 + 9), \mathrm{root}[8, 3]\,(3 + 9), (8 - 3) + 9, 8\,\frac{3^3}{9}, \frac{8 \times 3^3}{9}, 8\,\mathrm{Log}[3, 3 \times 9], 8\,\mathrm{mod}[3, 3 + 9], (8 + 3)\,3 - 9, \mathrm{mod}[8, 3 + 9]\,3, \mathrm{mod}\left[8^3, 9\right]\,3, \mathrm{mod}[8, 3]\,(9 + 3), \mathrm{root}[8, 3]\,(9 + 3), \frac{8}{\mathrm{Log}[3 \times 9, 3]}, 8\,\mathrm{Log}[3, 9 \times 3], 8\,\mathrm{mod}[3, 9 + 3], 8\,\mathrm{mod}[3, 9 - 3], 8\,(3 + \mathrm{mod}[9, 3]), 8 \times 3 + \mathrm{mod}[9, 3], 8\,\mathrm{root}[3 \times 9, 3], 8\,(3 - \mathrm{mod}[9, 3]), 8 \times 3 - \mathrm{mod}[9, 3], \mathrm{mod}[8, 9 + 3]\,3, (8 + \mathrm{mod}[9, 3])\,3, (8 - \mathrm{mod}[9, 3])\,3, 8\,(\mathrm{mod}[9, 3] + 3), \frac{8}{\frac{9}{3^3}}, \frac{8}{\mathrm{Log}[9 \times 3, 3]}, 8\,\mathrm{mod}[9, 3 + 3], \frac{8}{9}\,3^3, 8\,\mathrm{root}[9 \times 3, 3], 8\,(9 - (3 + 3)), 8\,((9 - 3) - 3), (\mathrm{mod}[9, 3] + 3)\,8, \mathrm{mod}[9, 3 + 3]\,8, \mathrm{root}[9 \times 3, 3]\,8, (9 - (3 + 3))\,8, ((9 - 3) - 3)\,8, \mathrm{mod}[9, 3] + 3 \times 8, 9 - 3\,(3 - 8), 9 \times 3 - \mathrm{mod}[3, 8], (\mathrm{mod}[9, 3] + 8)\,3, \mathrm{mod}[9, 3] + 8 \times 3, (9 + 3)\,\mathrm{mod}[8, 3], (9 + 3)\,\mathrm{root}[8, 3], 9 + 3\,(8 - 3), 9 - (3 - 8)\,3, 9\,\mathrm{mod}[3, 8] - 3, 9 + (8 - 3)\,3\right\}\right\},$$

$$\left\{\{3, 3, 8, 10\}, \left\{((3 + 3) + 8) + 10, (3 + (3 + 8)) + 10, (3 + 3) + (8 + 10), 3 + ((3 + 8) + 10), 3 + (3 + (8 + 10)), \mathrm{mod}[3, 3 + 10]\,8, ((3 + 3) + 10) + 8, (3 + (3 + 10)) + 8, (3 + 3) + (10 + 8), 3 + ((3 + 10) + 8), 3 + (3 + (10 + 8)), ((3 + 8) + 3) + 10, (3 + (8 + 3)) + 10, (3 + 8) + (3 + 10), 3 + ((8 + 3) + 10), 3 + (8 + (3 + 10)), 3\,\mathrm{mod}[8, 3 + 10], ((3 + 8) + 10) + 3, (3 + (8 + 10)) + 3, (3 + 8) + (10 + 3), 3 + ((8 + 10) + 3), 3 + (8 + (10 + 3)), 3\,\frac{8}{\mathrm{mod}[10, 3]}, \frac{3 \times 8}{\mathrm{mod}[10, 3]}, 3\,\mathrm{mod}[8, 10 + 3], (3 \times 8)\,\mathrm{mod}[10, 3], 3\,(8\,\mathrm{mod}[10, 3]), 3 \times 8^{\mathrm{mod}[10,3]}, (3 \times 8)^{\mathrm{mod}[10,3]}, 3\,\mathrm{root}[8, \mathrm{mod}[10, 3]], \mathrm{root}[3 \times 8, \mathrm{mod}[10, 3]], \frac{3}{\mathrm{mod}[10, 3]}\,8, \mathrm{mod}[3, 10 + 3]\,8, \mathrm{mod}[3, 10 - 3]\,8, (3\,\mathrm{mod}[10, 3])\,8, 3^{\mathrm{mod}[10,3]}\,8, \mathrm{root}[3, \mathrm{mod}[10, 3]]\,8, 3\,(\mathrm{mod}[10, 3]\,8), ((3 + 10) + 3) + 8, (3 + (10 + 3)) + 8, (3 + 10) + (3 + 8), 3 + ((10 + 3) + 8), 3 + (10 + (3 + 8)), \frac{3}{\frac{\mathrm{mod}[10,3]}{8}}, ((3 + 10) + 8) + 3, (3 + (10 + 8)) + 3, (3 + 10) + (8 + 3), 3 + ((10 + 8) + 3), 3 + (10 + (3 + 8)), 3\,\mathrm{mod}[10, 8]^3, 3\,(10 - 8)^3, 3\,(10 - \mathrm{mod}[8, 3]), 3\,(10 - \mathrm{root}[8, 3]), ((8 + 3) + 3) + 10, (8 + (3 + 3)) + 10, (8 + 3) + (3 + 10), 8 + ((3 + 3) + 10), 8 + (3 + (3 + 10)), 8\,\mathrm{mod}[3, 3 + 10], \mathrm{mod}[8, 3 + 10]\,3, ((8 + 3) + 10) + 3, (8 + (3 + 10)) + 3, (8 + 3) + (10 + 3), 8 + ((3 + 10) + 3), 8 + (3 + (10 + 3)), 8\,\frac{3}{\mathrm{mod}[10, 3]}, \frac{8 \times 3}{\mathrm{mod}[10, 3]}, 8\,\mathrm{mod}[3, 10 + 3], 8\,\mathrm{mod}[3, 10 - 3], (8 \times 3)\,\mathrm{mod}[10, 3], 8\,(3\,\mathrm{mod}[10, 3]), 8 \times 3^{\mathrm{mod}[10,3]}, (8 \times 3)^{\mathrm{mod}[10,3]},$$

$$8\,\text{root}[3,\text{mod}[10,3]],\ \text{root}[8\times 3,\text{mod}[10,3]],\ \frac{8}{\text{mod}[10,3]}\,3,\ \text{mod}[8,10+3]\,3,$$
$$(8\,\text{mod}[10,3])\,3,\ 8^{\text{mod}[10,3]}\,3,\ \text{root}[8,\text{mod}[10,3]]\,3,\ 8\,(\text{mod}[10,3]\,3),\ ((8+10)+3)+3,$$
$$(8+(10+3))+3,\ (8+10)+(3+3),\ 8+((10+3)+3),\ 8+(10+(3+3)),\ \frac{8}{\frac{\text{mod}[10,3]}{3}},$$
$$\frac{8}{\frac{10}{3}-3},\ (\text{mod}[10,3]\,3)\,8,\ \text{mod}[10,3]\,(3\times 8),\ ((10+3)+3)+8,\ (10+(3+3))+8,$$
$$(10+3)+(3+8),\ 10+((3+3)+8),\ 10+(3+(3+8)),\ (\text{mod}[10,3]\,8)\,3,\ \text{mod}[10,3]\,(8\times 3),$$
$$((10+3)+8)+3,\ (10+(3+8))+3,\ (10+3)+(8+3),\ 10+((3+8)+3),\ 10+(3+(8+3)),$$
$$\text{mod}[10,8]^3\,3,\ (10-8)^3\,3,\ (10-\text{mod}[8,3])\,3,\ (10-\text{root}[8,3])\,3,\ ((10+8)+3)+3,$$
$$(10+(8+3))+3,\ (10+8)+(3+3),\ 10+((8+3)+3),\ 10+(8+(3+3))\Big\}\Big\},$$

$$\Big\{\{3,3,9,9\},\ \Big\{\Big(3-\frac{3}{9}\Big)\,9,\ ((3+3)+9)+9,\ (3+(3+9))+9,\ (3+3)+(9+9),\ 3+((3+9)+9),$$
$$3+(3+(9+9)),\ \text{Log}[3,9]\,(3+9),\ ((3+9)+3)+9,\ (3+(9+3))+9,\ (3+9)+(3+9),$$
$$3+((9+3)+9),\ 3+(9+(3+9)),\ (3+9)\,\text{Log}[3,9],\ \text{Log}\left[3,9^{3+9}\right],\ 3\times 9-\text{mod}[3,9],$$
$$\text{Log}[3,9]\,(9+3),\ ((3+9)+9)+3,\ (3+(9+9))+3,\ (3+9)+(9+3),\ 3+((9+9)+3),$$
$$3+(9+(9+3)),\ \frac{3+9}{\text{Log}[9,3]},\ \text{Log}\left[3,9^{9+3}\right],\ 3\times 9-\frac{9}{3},\ \text{mod}[3,9]\,9-3,\ ((9+3)+3)+9,$$
$$(9+(3+3))+9,\ (9+3)+(3+9),\ 9+((3+3)+9),\ 9+(3+(3+9)),\ \frac{(9-3)^3}{9},\ (9+3)\,\text{Log}[3,9],$$
$$9\left(3-\frac{3}{9}\right),\ 9\times 3-\text{mod}[3,9],\ ((9+3)+9)+3,\ (9+(3+9))+3,\ (9+3)+(9+3),\ 9+((3+9)+3),$$
$$9+(3+(9+3)),\ \frac{9+3}{\text{Log}[9,3]},\ 9\times 3-\frac{9}{3},\ \frac{9}{3}\,9-3,\ \frac{9}{\frac{3}{9}}-3,\ 9\,\text{mod}[3,9]-3,\ ((9+9)+3)+3,$$
$$(9+(9+3))+3,\ (9+9)+(3+3),\ 9+((9+3)+3),\ 9+(9+(3+3)),\ 9\times\frac{9}{3}-3,\ \frac{9\times 9}{3}-3\Big\}\Big\},$$

$$\{\{3,3,9,10\},\ \{3+(3\times 10-9),\ (3+3\times 10)-9,\ (3-9)+3\times 10,\ 3-(9-3\times 10),$$
$$3\times 9-\text{mod}[3,10],\ (3-9)+10\times 3,\ 3-(9-10\times 3),\ 3\,(9-\text{mod}[10,3]),$$
$$3\,\text{mod}[9,10]-3,\ 3\times 10+(3-9),\ 3\,(10-\text{Log}[3,9]),\ 3+(10\times 3-9),$$
$$(3\times 10+3)-9,\ (3+10\times 3)-9,\ (3\times 10-9)+3,\ \text{mod}[3,10]\,9-3,\ 3\times 10-(9-3),$$
$$9\times 3-\text{mod}[3,10],\ 9\,\text{mod}[3,10]-3,\ (9-\text{mod}[10,3])\,3,\ \text{mod}[9,10]\,3-3,$$
$$10\times 3+(3-9),\ (10\times 3+3)-9,\ (10-\text{Log}[3,9])\,3,\ (10\times 3-9)+3,\ 10\times 3-(9-3)\}\},$$

$$\{\{3,3,10,10\},\ \{\}\},\ \{\{3,4,4,4\},\ \{\text{mod}[3,4]\,(4+4),\ (3+4)\,4-4,$$
$$(4+3)\,4-4,\ 4\,(3+4)-4,\ (4+4)\,\text{mod}[3,4],\ 4\,(4+3)-4\}\},$$

$$\{\{3,4,4,5\},\ \{(3+4\times 4)+5,\ 3+(4\times 4+5),\ 3\,(4+\text{mod}[4,5]),\ 3\,(\text{mod}[4,5]+4),$$
$$\text{mod}[3,5]\,(4+4),\ (3+5)+4\times 4,\ 3+(5+4\times 4),\ (\text{mod}[4,3]+5)\,4,\ ((4-3)+5)\,4,\ (4-(3-5))\,4,$$
$$(4\times 4+3)+5,\ 4\,(\text{mod}[4,3]+5),\ 4\,((4-3)+5),\ 4\times 4+(3+5),\ (4+4)\,\text{mod}[3,5],$$
$$4\,(4-(3-5)),\ (4+\text{mod}[4,5])\,3,\ (4\times 4+5)+3,\ 4\times 4+(5+3),\ 4\,(4+\text{mod}[5,3]),$$
$$4\,(4+(5-3)),\ 4\,((4+5)-3),\ (4+\text{mod}[5,3])\,4,\ (4+(5-3))\,4,\ ((4+5)-3)\,4,$$
$$4\,(\text{mod}[5,3]+4),\ 4\,((5-3)+4),\ 4\,(5-(3-4)),\ (\text{mod}[4,5]+4)\,3,\ 4\,(5+\text{mod}[4,3]),$$
$$4\,(5+(4-3)),\ 4\,((5+4)-3),\ (\text{mod}[5,3]+4)\,4,\ ((5-3)+4)\,4,\ (5-(3-4))\,4,\ (5+3)+4\times 4,$$
$$5+(3+4\times 4),\ (5+\text{mod}[4,3])\,4,\ (5+(4-3))\,4,\ ((5+4)-3)\,4,\ (5+4\times 4)+3,\ 5+(4\times 4+3)\}\},$$

$$\Big\{\{3,4,4,6\},\ \Big\{\Big(3+\frac{4}{4}\Big)\,6,\ (3+\text{Log}[4,4])\,6,\ 3\,(4+\text{mod}[4,6]),\ 3\,\text{root}[4,4]^6,$$
$$(3\times 4-6)\,4,\ 3\,(\text{mod}[4,6]+4),\ (3\times 4)\,\text{mod}[6,4],\ 3\,(4\,\text{mod}[6,4]),\ 3\times 4^{\frac{6}{4}},\ 3\,\text{root}\left[4^6,4\right],$$
$$(3\times 4)\,(6-4),\ 3\,(4\,(6-4)),\ (3\,\text{mod}[6,4])\,4,\ (3\,(6-4))\,4,\ 3\,(\text{mod}[6,4]\,4),\ 3\,((6-4)\,4),$$
$$\text{mod}[3,6]\,(4+4),\ (\text{mod}[4,3]\,4)\,6,\ ((4-3)\,4)\,6,\ \text{mod}[4,3\times 4]\,6,\ \text{mod}[4,3+4]\,6,$$
$$\text{mod}[4,3]\,(4\times 6),\ (4-3)\,(4\times 6),\ 4\,(3\times 4-6),\ (\text{mod}[4,3]\,6)\,4,\ ((4-3)\,6)\,4,\ (4\times 3-6)\,4,$$
$$\text{mod}[4,3]\,(6\times 4),\ (4-3)\,(6\times 4),\ (4\times 3)\,\text{mod}[6,4],\ 4\,(3\,\text{mod}[6,4]),\ (4\times 3)\,(6-4),$$

$$4\ (3\ (6-4)),\ \left(\frac{4}{4}+3\right)\ 6,\ (\text{Log}[4,\ 4]+3)\ 6,\ \frac{4}{\text{mod}[4,\ 3]}\ 6,\ \frac{4}{4-3}\ 6,\ (4\ \text{mod}[4,\ 3])\ 6,$$

$$\text{mod}[4,\ 4\times 3]\ 6,\ \text{mod}[4,\ 4+3]\ 6,\ 4^{\text{mod}[4,3]}\ 6,\ 4^{4-3}\ 6,\ \text{root}[4,\ \text{mod}[4,\ 3]]\ 6,\ \text{root}[4,\ 4-3]\ 6,$$

$$(4\ (4-3))\ 6,\ 4\ (\text{mod}[4,\ 3]\ 6),\ 4\ ((4-3)\ 6),\ \frac{4}{\frac{\text{mod}[4,3]}{6}},\ \frac{4}{\frac{4-3}{6}},\ (4+4)\ \text{mod}[3,\ 6],\ 4\ (4\times 3-6),$$

$$(4+\text{mod}[4,\ 6])\ 3,\ \text{root}[4,\ 4]^6\ 3,\ 4\ \left(4+\frac{6}{3}\right),\ (4+4)\ (6-3),\ \left(4+\frac{6}{3}\right)\ 4,\ 4\ \left(\frac{6}{3}+4\right),\ \frac{4}{6^{3-4}},$$

$$\frac{4}{\text{root}[6,\ 3-4]},\ 4\ \text{mod}[6,\ 3\times 4],\ 4\ \text{mod}[6,\ 3+4],\ (\text{mod}[4,\ 6]+4)\ 3,\ (4\ \text{mod}[6,\ 4])\ 3,$$

$$4^{\frac{6}{4}}\ 3,\ \text{root}\left[4^6,\ 4\right]\ 3,\ (4\ (6-4))\ 3,\ 4\ (\text{mod}[6,\ 4]\ 3),\ 4\ ((6-4)\ 3),\ 4\ \frac{6}{\text{mod}[4,\ 3]},\ 4\ \frac{6}{4-3},$$

$$\frac{4\times 6}{\text{mod}[4,\ 3]},\ \frac{4\times 6}{4-3},\ (4\times 6)\ \text{mod}[4,\ 3],\ 4\ (6\ \text{mod}[4,\ 3]),\ 4\ \text{mod}[6,\ 4\times 3],\ 4\ \text{mod}[6,\ 4+3],$$

$$4\times 6^{\text{mod}[4,3]},\ 4\times 6^{4-3},\ (4\times 6)^{\text{mod}[4,3]},\ (4\times 6)^{4-3},\ 4\ \text{root}[6,\ \text{mod}[4,\ 3]],\ 4\ \text{root}[6,\ 4-3],$$

$$\text{root}[4\times 6,\ \text{mod}[4,\ 3]],\ \text{root}[4\times 6,\ 4-3],\ (4\times 6)\ (4-3),\ 4\ (6\ (4-3)),\ \left(\frac{6}{3}+4\right)\ 4,$$

$$\text{mod}[6,\ 3\times 4]\ 4,\ \text{mod}[6,\ 3+4]\ 4,\ (6-3)\ (4+4),\ 6\ \left(3+\frac{4}{4}\right),\ 6\ (3+\text{Log}[4,\ 4]),$$

$$(\text{mod}[6,\ 4]\ 3)\ 4,\ ((6-4)\ 3)\ 4,\ \frac{6}{\text{mod}[4,\ 3]}\ 4,\ \frac{6}{4-3}\ 4,\ (6\ \text{mod}[4,\ 3])\ 4,\ \text{mod}[6,\ 4\times 3]\ 4,$$

$$\text{mod}[6,\ 4+3]\ 4,\ 6^{\text{mod}[4,3]}\ 4,\ 6^{4-3}\ 4,\ \text{root}[6,\ \text{mod}[4,\ 3]]\ 4,\ \text{root}[6,\ 4-3]\ 4,\ (6\ (4-3))\ 4,$$

$$\text{mod}[6,\ 4]\ (3\times 4),\ (6-4)\ (3\times 4),\ 6\ (\text{mod}[4,\ 3]\ 4),\ 6\ ((4-3)\ 4),\ \frac{6}{\frac{\text{mod}[4,3]}{4}},\ \frac{6}{\frac{4-3}{4}},$$

$$\frac{6}{4^{3-4}},\ \frac{6}{\text{root}[4,\ 3-4]},\ 6\ \text{mod}[4,\ 3\times 4],\ 6\ \text{mod}[4,\ 3+4],\ (\text{mod}[6,\ 4]\ 4)\ 3,\ ((6-4)\ 4)\ 3,$$

$$\text{mod}[6,\ 4]\ (4\times 3),\ (6-4)\ (4\times 3),\ 6\ \left(\frac{4}{4}+3\right),\ 6\ (\text{Log}[4,\ 4]+3),\ 6\ \frac{4}{\text{mod}[4,\ 3]},\ 6\ \frac{4}{4-3},$$

$$\frac{6\times 4}{\text{mod}[4,\ 3]},\ \frac{6\times 4}{4-3},\ (6\times 4)\ \text{mod}[4,\ 3],\ 6\ (4\ \text{mod}[4,\ 3]),\ 6\ \text{mod}[4,\ 4\times 3],\ 6\ \text{mod}[4,\ 4+3],$$

$$6\times 4^{\text{mod}[4,3]},\ 6\times 4^{4-3},\ (6\times 4)^{\text{mod}[4,3]},\ (6\times 4)^{4-3},\ 6\ \text{root}[4,\ \text{mod}[4,\ 3]],\ 6\ \text{root}[4,\ 4-3],$$

$$\text{root}[6\times 4,\ \text{mod}[4,\ 3]],\ \text{root}[6\times 4,\ 4-3],\ (6\times 4)\ (4-3),\ 6\ (4\ (4-3))\Big\}\Big\},$$

$$\Big\{\{3,\ 4,\ 4,\ 7\},\ \Big\{3\ \left(\frac{4}{4}+7\right),\ 3\ (\text{Log}[4,\ 4]+7),\ 3\ (4+\text{mod}[4,\ 7]),\ ((3-4)+7)\ 4,\ (3-(4-7))\ 4,$$

$$3\ (\text{mod}[4,\ 7]+4),\ (3+\text{mod}[7,\ 4])\ 4,\ (3+(7-4))\ 4,\ ((3+7)-4)\ 4,\ \text{mod}[3,\ 7]\ (4+4),$$

$$3\ \left(7+\frac{4}{4}\right),\ 3\ (7+\text{Log}[4,\ 4]),\ 4\ ((3-4)+7),\ 4\ (3-(4-7)),\ 4\ (3+\text{mod}[7,\ 4]),\ 4\ (3+(7-4)),$$

$$4\ ((3+7)-4),\ (4+4)\ \text{mod}[3,\ 7],\ \left(\frac{4}{4}+7\right)\ 3,\ (\text{Log}[4,\ 4]+7)\ 3,\ (4+\text{mod}[4,\ 7])\ 3,$$

$$4\ (7+(3-4)),\ 4\ ((7+3)-4),\ (\text{mod}[4,\ 7]+4)\ 3,\ 4\ (\text{mod}[7,\ 4]+3),\ 4\ ((7-4)+3),$$

$$4\ (7-\text{mod}[4,\ 3]),\ 4\ (7-(4-3)),\ (7+(3-4))\ 4,\ ((7+3)-4)\ 4,\ (\text{mod}[7,\ 4]+3)\ 4,$$

$$((7-4)+3)\ 4,\ (7-\text{mod}[4,\ 3])\ 4,\ (7-(4-3))\ 4,\ \left(7+\frac{4}{4}\right)\ 3,\ (7+\text{Log}[4,\ 4])\ 3\Big\}\Big\},$$

$$\Big\{\{3,\ 4,\ 4,\ 8\},\ \Big\{\left(\frac{3}{4}\ 4\right)\ 8,\ ((3-4)+4)\ 8,\ \frac{3}{\frac{4}{4}}\ 8,\ \frac{3}{\text{Log}[4,\ 4]}\ 8,\ \left(3\times\frac{4}{4}\right)\ 8,\ \frac{3\times 4}{4}\ 8,$$

$$(3\,\text{Log}[4,4])\,8,\ \text{mod}[3,4\times4]\,8,\ \text{mod}[3,4+4]\,8,\ (3+\text{mod}[4,4])\,8,\ \text{mod}[3+4,4]\,8,$$

$$\text{mod}[\text{mod}[3,4],4]\,8,\ 3^{\frac{4}{4}}\,8,\ 3^{\text{Log}[4,4]}\,8,\ \text{root}[3,4]^4\,8,\ \text{root}\left[3,\frac{4}{4}\right]8,\ \text{root}[3,\text{Log}[4,4]]\,8,$$

$$\text{root}\left[3^4,4\right]8,\ (3-\text{mod}[4,4])\,8,\ (3-(4-4))\,8,\ (3+(4-4))\,8,\ ((3+4)-4)\,8,$$

$$\frac{3}{4}\,(4\times8),\ 3\left(\frac{4}{4}\,8\right),\ 3\,(\text{Log}[4,4]\,8),\ (3\times4+4)+8,\ 3\,(\text{mod}[4,4]+8),\ 3\,((4-4)+8),$$

$$3\times4+(4+8),\ \frac{3}{\frac{4}{4\times8}},\ \frac{3}{\frac{4}{\frac{4}{8}}},\ \frac{3}{\frac{\text{Log}[4,4]}{8}},\ 3\,\frac{4}{\frac{4}{8}},\ \frac{3\times4}{\frac{4}{8}},\ 3\,\text{Log}\left[4,4^8\right],\ 3\,(4+\text{mod}[4,8]),\ 3\times4^{\text{Log}[4,8]},$$

$$3\,(4-(4-8)),\ 3\,(4\times4-8),\ \left(\frac{3}{4}\,8\right)4,\ \frac{3}{\frac{4}{8}}\,4,\ \frac{3}{4}\,(8\times4),\ (3\times4+8)+4,\ 3\,(\text{mod}[4,8]+4),$$

$$3\times4+(8+4),\ \frac{3}{\frac{4}{8\times4}},\ \frac{3}{\frac{4}{\frac{8}{4}}},\ \frac{3}{\text{Log}\left[4^8,4\right]},\ (3\times4)\,\frac{8}{4},\ 3\left(4\times\frac{8}{4}\right),\ 3\,\frac{4\times8}{4},\ \frac{(3\times4)\,8}{4},$$

$$\frac{3\,(4\times8)}{4},\ 3\,(4+(8-4)),\ 3\,((4+8)-4),\ \left(3\times\frac{8}{4}\right)4,\ \frac{3\times8}{4}\,4,\ 3\left(\frac{8}{4}\,4\right),\ \text{mod}[3,8]\,(4+4),$$

$$3\,((8-4)+4),\ (3\times8-4)+4,\ (3\times8)\,\frac{4}{4},\ 3\left(8\times\frac{4}{4}\right),\ 3\,\frac{8}{\frac{4}{4}},\ 3\,\frac{8}{\text{Log}[4,4]},\ 3\,\frac{8\times4}{4},\ \frac{(3\times8)\,4}{4},$$

$$\frac{3\times8}{\frac{4}{4}},\ \frac{3\times8}{\text{Log}[4,4]},\ \frac{3\,(8\times4)}{4},\ (3\times8)\,\text{Log}[4,4],\ 3\,(8\,\text{Log}[4,4]),\ 3\,(8+\text{mod}[4,4]),$$

$$3\times8+\text{mod}[4,4],\ 3\,\text{mod}[8,4\times4],\ 3\times8^{\frac{4}{4}},\ 3\times8^{\text{Log}[4,4]},\ (3\times8)^{\frac{4}{4}},\ (3\times8)^{\text{Log}[4,4]},$$

$$3\,\text{root}[8,4]^4,\ \text{root}[3\times8,4]^4,\ 3\,\text{root}\left[8,\frac{4}{4}\right],\ 3\,\text{root}[8,\text{Log}[4,4]],\ \text{root}\left[3\times8,\frac{4}{4}\right],$$

$$\text{root}[3\times8,\text{Log}[4,4]],\ 3\,\text{root}\left[8^4,4\right],\ \text{root}\left[(3\times8)^4,4\right],\ 3\,(8+(4-4)),\ 3\times8+(4-4),$$

$$3\,(8-\text{mod}[4,4]),\ 3\,(8-(4-4)),\ 3\times8-\text{mod}[4,4],\ 3\times8-(4-4),\ 3\,((8+4)-4),$$

$$(3\times8+4)-4,\ \left(4\times\frac{3}{4}\right)8,\ \frac{4\times3}{4}\,8,\ \text{mod}[4+3,4]\,8,\ (4+(3-4))\,8,\ ((4+3)-4)\,8,$$

$$4\left(\frac{3}{4}\,8\right),\ (4\times3+4)+8,\ (4+3\times4)+8,\ \frac{4^3}{4}+8,\ 4\times3+(4+8),\ 4+(3\times4+8),\ 4\,\frac{3}{\frac{4}{8}},$$

$$\frac{4\times3}{\frac{4}{8}},\ (4\times3+8)+4,\ 4\times3+(8+4),\ (4\times3)\,\frac{8}{4},\ 4\left(3\times\frac{8}{4}\right),\ 4\,\frac{3\times8}{4},\ \frac{(4\times3)\,8}{4},\ \frac{4\,(3\times8)}{4},$$

$$4-(3-8)\,4,\ 4+(3\times8-4),\ (4+3\times8)-4,\ \left(\frac{4}{4}\,3\right)8,\ (\text{Log}[4,4]\,3)\,8,\ (\text{mod}[4,4]+3)\,8,$$

$$((4-4)+3)\,8,\ \frac{4}{\frac{4}{3}}\,8,\ \text{Log}\left[4,4^3\right]8,\ 4^{\text{Log}[4,3]}\,8,\ (4-\text{mod}[4,3])\,8,\ (4-(4-3))\,8,\ \frac{4}{4}\,(3\times8),$$

$$\text{Log}[4,4]\,(3\times8),\ (4+4\times3)+8,\ \text{mod}[4,4]+3\times8,\ (4-4)+3\times8,\ 4+(4\times3+8),\ \frac{4}{\frac{4}{3\times8}},$$

$$\frac{4}{\frac{\frac{4}{3}}{8}},\ \text{Log}\left[4,\left(4^3\right)^8\right],\ (4+4)\,\text{mod}[3,8],\ 4^{\text{Log}[4,3\times8]},\ 4-4\,(3-8),\ 4-(4-3\times8),\ \left(\frac{4}{4}\,8\right)3,$$

$$\frac{4}{\frac{\frac{4}{3}}{8}}$$

$$(\text{Log}[4,4]\ 8)\ 3,\ (\text{mod}[4,4]+8)\ 3,\ ((4-4)+8)\ 3,\ \frac{4}{\frac{4}{8}}\ 3,\ \text{Log}\left[4,4^8\right]\ 3,\ (4+\text{mod}[4,8])\ 3,$$

$$4^{\text{Log}[4,8]}\ 3,\ (4-(4-8))\ 3,\ (4\times 4-8)\ 3,\ \frac{4}{4}\ (8\times 3),\ \text{Log}[4,4]\ (8\times 3),\ \text{mod}[4,4]+8\times 3,$$

$$(4-4)+8\times 3,\ \frac{4}{\frac{4}{8\times 3}},\ \frac{4}{\frac{\frac{4}{8}}{3}},\ \text{Log}\left[4,\left(4^8\right)^3\right],\ 4\ (4+\text{mod}[8,3]),\ 4^{\text{Log}[4,8\times 3]},\ 4\ (4+\text{root}[8,3]),$$

$$4-(4-8\times 3),\ 4+4\ (8-3),\ (4+\text{mod}[8,3])\ 4,\ (4+\text{root}[8,3])\ 4,\ 4\ (\text{mod}[8,3]+4),$$

$$4\ (\text{root}[8,3]+4),\ 4\ (8-3)+4,\ (4+8)+3\times 4,\ 4+(8-3)\ 4,\ 4+(8+3\times 4),\ (4\times 8)\ \frac{3}{4},$$

$$4\left(8\times\frac{3}{4}\right),\ 4\ \frac{8\times 3}{4},\ \frac{(4\times 8)\ 3}{4},\ \frac{4\ (8\times 3)}{4},\ 4+(8\times 3-4),\ (4+8\times 3)-4,\ (\text{mod}[4,8]+4)\ 3,$$

$$\left(4\times\frac{8}{4}\right)\ 3,\ \frac{4\times 8}{4}\ 3,\ (4+(8-4))\ 3,\ ((4+8)-4)\ 3,\ 4\left(\frac{8}{4}\ 3\right),\ (4+8)+4\times 3,\ 4+(8+4\times 3),$$

$$4\ \frac{8}{\frac{4}{3}},\ \frac{4\times 8}{\frac{4}{3}},\ (\text{mod}[8,3]+4)\ 4,\ (\text{root}[8,3]+4)\ 4,\ \left(8\times\frac{3}{4}\right)\ 4,\ \frac{8\times 3}{4}\ 4,\ 8\left(\frac{3}{4}\ 4\right),$$

$$(8-3)\ 4+4,\ (8+3\times 4)+4,\ 8\ ((3-4)+4),\ (8\times 3-4)+4,\ 8+(3\times 4+4),\ 8\ \frac{3}{\frac{4}{4}},\ 8\ \frac{3}{\text{Log}[4,4]},$$

$$(8\times 3)\ \frac{4}{4},\ 8\left(3\times\frac{4}{4}\right),\ \frac{8\times 3}{\frac{4}{4}},\ \frac{8\times 3}{\text{Log}[4,4]},\ 8\ \frac{3\times 4}{4},\ \frac{(8\times 3)\ 4}{4},\ \frac{8\ (3\times 4)}{4},\ (8\times 3)\ \text{Log}[4,4],$$

$$8\ (3\ \text{Log}[4,4]),\ 8\ \text{mod}[3,4\times 4],\ 8\ \text{mod}[3,4+4],\ 8\ (3+\text{mod}[4,4]),\ 8\times 3+\text{mod}[4,4],$$

$$8\ \text{mod}[3+4,4],\ 8\ \text{mod}[\text{mod}[3,4],4],\ 8\times 3^{\frac{4}{4}},\ 8\times 3^{\text{Log}[4,4]},\ (8\times 3)^{\frac{4}{4}},\ (8\times 3)^{\text{Log}[4,4]},$$

$$8\ \text{root}[3,4]^4,\ \text{root}[8\times 3,4]^4,\ 8\ \text{root}\left[3,\frac{4}{4}\right],\ 8\ \text{root}[3,\text{Log}[4,4]],\ \text{root}\left[8\times 3,\frac{4}{4}\right],$$

$$\text{root}[8\times 3,\text{Log}[4,4]],\ 8\ \text{root}\left[3^4,4\right],\ \text{root}\left[(8\times 3)^4,4\right],\ 8\ (3-\text{mod}[4,4]),\ 8\ (3-(4-4)),$$

$$8\ (3+(4-4)),\ 8\times 3+(4-4),\ 8\times 3-\text{mod}[4,4],\ 8\times 3-(4-4),\ 8\ ((3+4)-4),\ (8\times 3+4)-4,$$

$$\left(\frac{8}{4}\ 3\right)\ 4,\ \frac{8}{\frac{4}{3}}\ 4,\ \frac{8}{4}\ (3\times 4),\ (8+4\times 3)+4,\ (8+4)+3\times 4,\ 8+(4\times 3+4),\ 8+(4+3\times 4),$$

$$(8\times 4)\ \frac{3}{4},\ 8\left(4\times\frac{3}{4}\right),\ \frac{8}{\frac{4}{3\times 4}},\ \frac{8}{\frac{\frac{4}{3}}{4}},\ \frac{8}{\text{Log}\left[4^3,4\right]},\ 8\ \frac{4\times 3}{4},\ \frac{(8\times 4)\ 3}{4},\ \frac{8\ (4\times 3)}{4},\ 8+\frac{4^3}{4},$$

$$8\ \text{mod}[4+3,4],\ 8\ (4+(3-4)),\ 8\ ((4+3)-4),\ \left(\frac{8}{4}\ 4\right)\ 3,\ ((8-4)+4)\ 3,\ \left(8\times\frac{4}{4}\right)\ 3,$$

$$\frac{8}{\frac{4}{4}}\ 3,\ \frac{8}{\text{Log}[4,4]}\ 3,\ \frac{8\times 4}{4}\ 3,\ (8\ \text{Log}[4,4])\ 3,\ (8+\text{mod}[4,4])\ 3,\ \text{mod}[8,4\times 4]\ 3,$$

$$8^{\frac{4}{4}}\ 3,\ 8^{\text{Log}[4,4]}\ 3,\ \text{root}[8,4]^4\ 3,\ \text{root}\left[8,\frac{4}{4}\right]\ 3,\ \text{root}[8,\text{Log}[4,4]]\ 3,\ \text{root}\left[8^4,4\right]\ 3,$$

$$(8+(4-4))\ 3,\ (8-\text{mod}[4,4])\ 3,\ (8-(4-4))\ 3,\ ((8+4)-4)\ 3,\ \frac{8}{4}\ (4\times 3),\ 8\left(\frac{4}{4}\ 3\right),$$

$$8\ (\text{Log}[4,4]\ 3),\ 8\ (\text{mod}[4,4]+3),\ 8\ ((4-4)+3),\ (8+4)+4\times 3,\ 8+(4+4\times 3),\ 8\ \frac{4}{\frac{4}{3}},$$

$$\frac{8}{\frac{4}{4\times 3}},\ \frac{8}{\frac{4}{3}},\ \frac{8}{\frac{\text{Log}[4,4]}{3}},\ \frac{8\times 4}{\frac{4}{3}},\ 8\,\text{Log}\left[4,\ 4^3\right],\ 8\times 4^{\text{Log}[4,3]},\ 8\ (4-\text{mod}[4,\ 3]),\ 8\ (4-(4-3))\Big\}\Big\},$$

$$\Big\{\{3,\ 4,\ 4,\ 9\},\ \Big\{3\ (4+\text{mod}[4,\ 9]),\ 3\,\text{mod}[4+4,\ 9],\ 3\ (\text{mod}[4,\ 9]+4),\ (\text{Log}[3,\ 9]+4)\ 4,$$

$$\text{mod}[3,\ 9]\ (4+4),\ 3\left(9-\frac{4}{4}\right),\ 3\ (9-\text{Log}[4,\ 4]),\ (4+\text{Log}[3,\ 9])\ 4,\ 4\ (\text{Log}[3,\ 9]+4),$$

$$\frac{4+4}{3}\ 9,\ \left(4-\frac{4}{3}\right)\ 9,\ \frac{4+4}{\frac{3}{9}},\ 4\ (4+\text{Log}[3,\ 9]),\ (4+4)\ \text{mod}[3,\ 9],\ (4+\text{mod}[4,\ 9])\ 3,$$

$$\text{mod}[4+4,\ 9]\ 3,\ (4+4)\ \frac{9}{3},\ \frac{(4+4)\ 9}{3},\ 4\ (9-\text{mod}[3,\ 4]),\ 4\times 9-3\times 4,$$

$$(\text{mod}[4,\ 9]+4)\ 3,\ 4\times 9-4\times 3,\ (9-\text{mod}[3,\ 4])\ 4,\ \frac{9}{3}\ (4+4),\ \frac{9}{\frac{3}{4+4}},\ 9\times 4-3\times 4,$$

$$\left(9-\frac{4}{4}\right)\ 3,\ (9-\text{Log}[4,\ 4])\ 3,\ 9\ \frac{4+4}{3},\ \frac{9\ (4+4)}{3},\ 9\left(4-\frac{4}{3}\right),\ 9\times 4-4\times 3\Big\}\Big\},$$

$$\Big\{\{3,\ 4,\ 4,\ 10\},\ \Big\{3\ (4+\text{mod}[4,\ 10]),\ 3\,\text{mod}[4+4,\ 10],\ 3\ (\text{mod}[4,\ 10]+4),\ (3\times 4)\ \text{mod}[10,\ 4],$$
$$3\ (4\,\text{mod}[10,\ 4]),\ (3\,\text{mod}[10,\ 4])\ 4,\ 3\ (\text{mod}[10,\ 4]\ 4),\ \text{mod}[3,\ 10]\ (4+4),\ 4^3-4\times 10,$$
$$(4\times 3)\ \text{mod}[10,\ 4],\ 4\ (3\,\text{mod}[10,\ 4]),\ 4^3-10\times 4,\ (4+4)\ \text{mod}[3,\ 10],\ (4+\text{mod}[4,\ 10])\ 3,$$
$$\text{mod}[4+4,\ 10]\ 3,\ 4\ (10-3)-4,\ (\text{mod}[4,\ 10]+4)\ 3,\ (4\,\text{mod}[10,\ 4])\ 3,\ 4\ (\text{mod}[10,\ 4]\ 3),$$
$$(10-3)\ 4-4,\ (\text{mod}[10,\ 4]\ 3)\ 4,\ \text{mod}[10,\ 4]\ (3\times 4),\ (\text{mod}[10,\ 4]\ 4)\ 3,\ \text{mod}[10,\ 4]\ (4\times 3)\Big\}\Big\},$$

$$\Big\{\{3,\ 4,\ 5,\ 5\},\ \{(3-4)+5\times 5,\ 3-(4-5\times 5),\ (3\times 5+4)+5,\ 3\times 5+(4+5),\ (3\times 5+5)+4,$$
$$3\times 5+(5+4),\ 3+(5\times 5-4),\ (3+5\times 5)-4,\ (4+3\times 5)+5,\ 4+(3\times 5+5),$$
$$(4+5\times 3)+5,\ (4+5)+3\times 5,\ 4+(5\times 3+5),\ 4+(5+3\times 5),\ (4+5)+5\times 3,\ 4+(5+5\times 3),$$
$$(5\times 3+4)+5,\ 5\times 3+(4+5),\ (5\times 3+5)+4,\ (5+3\times 5)+4,\ 5\times 3+(5+4),\ 5+(3\times 5+4),$$
$$(5+4)+3\times 5,\ 5+(4+3\times 5),\ (5+4)+5\times 3,\ 5+(4+5\times 3),\ (5+5\times 3)+4,\ 5+(5\times 3+4),$$
$$5\times 5+(3-4),\ (5\times 5+3)-4,\ (5\times 5-4)+3,\ 5\times 5-\text{mod}[4,\ 3],\ 5\times 5-(4-3)\}\Big\},$$

$$\Big\{\{3,\ 4,\ 5,\ 6\},\ \Big\{((3-4)+5)\ 6,\ (3-(4-5))\ 6,\ (3+\text{mod}[5,\ 4])\ 6,\ (3+(5-4))\ 6,$$
$$((3+5)-4)\ 6,\ \text{mod}[4,\ 3\times 5]\ 6,\ \text{mod}[4,\ 3+5]\ 6,\ \text{mod}\left[4^3,\ 5\right]\ 6,\ \text{mod}[4,\ 5\times 3]\ 6,$$
$$\text{mod}[4,\ 5+3]\ 6,\ 4\,\text{mod}[6,\ 3\times 5],\ 4\,\text{mod}[6,\ 3+5],\ 4\,\text{mod}[6,\ 5\times 3],\ 4\,\text{mod}[6,\ 5+3],$$
$$(5+(3-4))\ 6,\ ((5+3)-4)\ 6,\ (\text{mod}[5,\ 4]+3)\ 6,\ ((5-4)+3)\ 6,\ (5-\text{mod}[4,\ 3])\ 6,$$
$$(5-(4-3))\ 6,\ 6\ ((3-4)+5),\ \frac{6^3}{4+5},\ 6\ (3-(4-5)),\ \text{mod}[6,\ 3\times 5]\ 4,\ \text{mod}[6,\ 3+5]\ 4,$$
$$\frac{6^3}{5+4},\ 6\ (3+\text{mod}[5,\ 4]),\ 6\ (3+(5-4)),\ 6\ ((3+5)-4),\ 6\,\text{mod}[4,\ 3\times 5],\ 6\,\text{mod}[4,\ 3+5],$$
$$6\,\text{mod}\left[4^3,\ 5\right],\ 6\,\text{mod}[4,\ 5\times 3],\ 6\,\text{mod}[4,\ 5+3],\ \text{mod}[6,\ 5\times 3]\ 4,\ \text{mod}[6,\ 5+3]\ 4,\ 6\ (5+(3-4)),$$
$$6\ ((5+3)-4),\ 6\ (\text{mod}[5,\ 4]+3),\ 6\ ((5-4)+3),\ 6\ (5-\text{mod}[4,\ 3]),\ 6\ (5-(4-3))\Big\}\Big\},$$

$$\Big\{\{3,\ 4,\ 5,\ 7\},\ \Big\{(3\times 4+5)+7,\ 3\times 4+(5+7),\ (3\times 4+7)+5,\ 3\times 4+(7+5),\ (3\times 4)\ \text{mod}[7,\ 5],$$
$$3\ (4\,\text{mod}[7,\ 5]),\ (3\times 4)\ (7-5),\ 3\ (4\ (7-5)),\ 3\ (\text{mod}[5,\ 4]+7),\ 3\ ((5-4)+7),$$
$$3\ (5-(4-7)),\ (3+5)\ \text{mod}[7,\ 4],\ 3\ (5+\text{mod}[7,\ 4]),\ (3+5)\ (7-4),\ 3\ (5+(7-4)),$$
$$3\ ((5+7)-4),\ 3\ (\text{mod}[7,\ 4]+5),\ 3\ ((7-4)+5),\ 3\ (7-(4-5)),\ (3\,\text{mod}[7,\ 5])\ 4,$$
$$(3\ (7-5))\ 4,\ 3\ (\text{mod}[7,\ 5]\ 4),\ 3\ ((7-5)\ 4),\ 3\ (7+\text{mod}[5,\ 4]),\ 3\ (7+(5-4)),$$
$$3\ ((7+5)-4),\ (4\times 3+5)+7,\ 4\times 3+(5+7),\ (4\times 3+7)+5,\ 4\times 3+(7+5),\ (4\times 3)\ \text{mod}[7,\ 5],$$
$$4\ (3\,\text{mod}[7,\ 5]),\ 4-(3-7)\ 5,\ (4\times 3)\ (7-5),\ 4\ (3\ (7-5)),\ (4\times 5-3)+7,\ 4\,\text{mod}\left[5^3,\ 7\right],$$
$$4-5\ (3-7),\ 4\times 5-(3-7),\ 4\ (5+\text{mod}[7,\ 3]),\ 4\times 5+(7-3),\ 4+5\ (7-3),\ (4\times 5+7)-3,$$
$$4\ (\text{mod}[7,\ 3]+5),\ 4+(7-3)\ 5,\ (4\,\text{mod}[7,\ 5])\ 3,\ (4\ (7-5))\ 3,\ 4\ (\text{mod}[7,\ 5]\ 3),$$
$$4\ ((7-5)\ 3),\ (5+3\times 4)+7,\ 5+(3\times 4+7),\ \text{mod}\left[5^3,\ 7\right]\ 4,\ (5+3)\ \text{mod}[7,\ 4],\ (5+3)\ (7-4),$$
$$(5+4\times 3)+7,\ (5\times 4-3)+7,\ 5+(4\times 3+7),\ 5\times 4-(3-7),\ (\text{mod}[5,\ 4]+7)\ 3,\ ((5-4)+7)\ 3,$$
$$(5-(4-7))\ 3,\ 5\times 4+(7-3),\ (5\times 4+7)-3,\ (5+\text{mod}[7,\ 3])\ 4,\ 5\ (7-3)+4,\ (5+7)+3\times 4,$$
$$5+(7+3\times 4),\ (5+\text{mod}[7,\ 4])\ 3,\ (5+(7-4))\ 3,\ ((5+7)-4)\ 3,\ (5+7)+4\times 3,$$
$$5+(7+4\times 3),\ (7+3\times 4)+5,\ (7-3)+4\times 5,\ 7+(3\times 4+5),\ 7-(3-4\times 5),\ (\text{mod}[7,\ 3]+5)\ 4,$$
$$(7-3)\ 5+4,\ (7-3)+5\times 4,\ 7-(3-5\times 4),\ \text{mod}[7,\ 4]\ (3+5),\ (7-4)\ (3+5),\ (7+4\times 3)+5,$$

$$7+(4\times 3+5),\ (\text{mod}[7,4]+5)\ 3,\ ((7-4)+5)\ 3,\ (7-(4-5))\ 3,\ \text{mod}[7,4]\ (5+3),$$
$$(7-4)\ (5+3),\ 7+(4\times 5-3),\ (7+4\times 5)-3,\ (\text{mod}[7,5]\ 3)\ 4,\ ((7-5)\ 3)\ 4,$$
$$\text{mod}[7,5]\ (3\times 4),\ (7-5)\ (3\times 4),\ (7+5)+3\times 4,\ 7+(5+3\times 4),\ (\text{mod}[7,5]\ 4)\ 3,$$
$$((7-5)\ 4)\ 3,\ (7+\text{mod}[5,4])\ 3,\ (7+(5-4))\ 3,\ ((7+5)-4)\ 3,\ \text{mod}[7,5]\ (4\times 3),$$
$$(7-5)\ (4\times 3),\ (7+5)+4\times 3,\ 7+(5+4\times 3),\ 7+(5\times 4-3),\ (7+5\times 4)-3\}\},$$

$$\left\{\{3,4,5,8\},\ \left\{\text{mod}[3,4+5]\ 8,\ \text{mod}[3,\text{mod}[4,5]]\ 8,\ \text{mod}[\text{mod}[3,4],5]\ 8,\ \frac{3}{\text{mod}[5,4]}\ 8,\right.\right.$$
$$\frac{3}{5-4}\ 8,\ \text{mod}[3,5+4]\ 8,\ (3\ \text{mod}[5,4])\ 8,\ \text{mod}[3\times 5,4]\ 8,\ \text{mod}[\text{mod}[3,5],4]\ 8,$$
$$\text{mod}\left[3^5,4\right]\ 8,\ 3^{\text{mod}[5,4]}\ 8,\ 3^{5-4}\ 8,\ \text{root}[3,\text{mod}[5,4]]\ 8,\ \text{root}[3,5-4]\ 8,\ (3\ (5-4))\ 8,$$
$$3\ (\text{mod}[5,4]\ 8),\ 3\ ((5-4)\ 8),\ \frac{3}{\frac{\text{mod}[5,4]}{8}},\ \frac{3}{\frac{5-4}{8}},\ (3+5)\ 4-8,\ ((3-5)+8)\ 4,\ (3-(5-8))\ 4,$$
$$\frac{3}{8^{4-5}},\ \frac{3}{\text{root}[8,4-5]},\ 3\ \text{mod}[8,4+5],\ (3+\text{mod}[8,5])\ 4,\ (3+(8-5))\ 4,\ ((3+8)-5)\ 4,$$
$$3\ \frac{8}{\text{mod}[5,4]},\ 3\ \frac{8}{5-4},\ \frac{3\times 8}{\text{mod}[5,4]},\ \frac{3\times 8}{5-4},\ (3\times 8)\ \text{mod}[5,4],\ 3\ (8\ \text{mod}[5,4]),\ 3\ \text{mod}[8,5+4],$$
$$3\times 8^{\text{mod}[5,4]},\ 3\times 8^{5-4},\ (3\times 8)^{\text{mod}[5,4]},\ (3\times 8)^{5-4},\ 3\ \text{root}[8,\text{mod}[5,4]],\ 3\ \text{root}[8,5-4],$$
$$\text{root}[3\times 8,\text{mod}[5,4]],\ \text{root}[3\times 8,5-4],\ (3\times 8)\ (5-4),\ 3\ (8\ (5-4)),\ 4\ ((3-5)+8),$$
$$4\ (3-(5-8)),\ 4\ (3+5)-8,\ 4^3-5\times 8,\ 4\ (3+\text{mod}[8,5]),\ 4\ (3+(8-5)),\ 4\ ((3+8)-5),$$
$$4^3-8\times 5,\ \frac{4+5}{3}\ 8,\ 4^{\text{mod}[5,3]}+8,\ 4^{5-3}+8,\ \frac{4+5}{\frac{3}{8}},\ 4\ (5+3)-8,\ (4+5)\ \frac{8}{3},\ \frac{(4+5)\ 8}{3},$$
$$4\ (8+(3-5)),\ 4\times 8-(3+5),\ 4\ ((8+3)-5),\ (4\times 8-3)-5,\ 4\ (\text{mod}[8,5]+3),\ 4\ ((8-5)+3),$$
$$(4+8)\ \text{mod}[5,3],\ (4+8)\ (5-3),\ 4\ (8-\text{mod}[5,3]),\ 4\ (8-(5-3)),\ 4\times 8-(5+3),$$
$$(4\times 8-5)-3,\ \text{mod}[5\times 3,4]\ 8,\ \text{mod}[5,3]\ (4+8),\ (5-3)\ (4+8),\ \text{mod}[5,3]^4+8,\ (5-3)^4+8,$$
$$(5+3)\ 4-8,\ \text{mod}[5,3]\ (8+4),\ (5-3)\ (8+4),\ (\text{mod}[5,4]\ 3)\ 8,\ ((5-4)\ 3)\ 8,\ \frac{5+4}{3}\ 8,$$
$$\text{mod}[5,4]\ (3\times 8),\ (5-4)\ (3\times 8),\ \frac{5+4}{\frac{3}{8}},\ (\text{mod}[5,4]\ 8)\ 3,\ ((5-4)\ 8)\ 3,\ \text{mod}[5,4]\ (8\times 3),$$
$$(5-4)\ (8\times 3),\ (5+4)\ \frac{8}{3},\ \frac{(5+4)\ 8}{3},\ \frac{8}{3}\ (4+5),\ \frac{8}{\frac{3}{4+5}},\ \frac{8}{3^{4-5}},\ \frac{8}{\text{root}[3,4-5]},\ 8\ \text{mod}[3,4+5],$$
$$8\ \text{mod}[3,\text{mod}[4,5]],\ 8\ \text{mod}[\text{mod}[3,4],5],\ (8+(3-5))\ 4,\ ((8+3)-5)\ 4,\ \frac{8}{3}\ (5+4),$$
$$8\ \frac{3}{\text{mod}[5,4]},\ 8\ \frac{3}{5-4},\ \frac{8}{\frac{3}{5+4}},\ \frac{8\times 3}{\text{mod}[5,4]},\ \frac{8\times 3}{5-4},\ 8\ \text{mod}[3,5+4],\ (8\times 3)\ \text{mod}[5,4],$$
$$8\ (3\ \text{mod}[5,4]),\ 8\ \text{mod}[3\times 5,4],\ 8\ \text{mod}[\text{mod}[3,5],4],\ 8\ \text{mod}\left[3^5,4\right],\ 8\times 3^{\text{mod}[5,4]},\ 8\times 3^{5-4},$$
$$(8\times 3)^{\text{mod}[5,4]},\ (8\times 3)^{5-4},\ 8\ \text{root}[3,\text{mod}[5,4]],\ 8\ \text{root}[3,5-4],\ \text{root}[8\times 3,\text{mod}[5,4]],$$
$$\text{root}[8\times 3,5-4],\ (8\times 3)\ (5-4),\ 8\ (3\ (5-4)),\ 8\times 4-(3+5),\ (8\times 4-3)-5,$$
$$\text{mod}[8,4+5]\ 3,\ 8\ \frac{4+5}{3},\ \frac{8\ (4+5)}{3},\ (8+4)\ \text{mod}[5,3],\ 8+4^{\text{mod}[5,3]},\ 8+4^{5-3},\ (8+4)\ (5-3),$$
$$8\times 4-(5+3),\ (8\times 4-5)-3,\ (\text{mod}[8,5]+3)\ 4,\ ((8-5)+3)\ 4,\ (8-\text{mod}[5,3])\ 4,$$
$$(8-(5-3))\ 4,\ 8\ \text{mod}[5\times 3,4],\ 8+\text{mod}[5,3]^4,\ 8+(5-3)^4,\ \frac{8}{\text{mod}[5,4]}\ 3,\ \frac{8}{5-4}\ 3,$$
$$(8\ \text{mod}[5,4])\ 3,\ \text{mod}[8,5+4]\ 3,\ 8^{\text{mod}[5,4]}\ 3,\ 8^{5-4}\ 3,\ \text{root}[8,\text{mod}[5,4]]\ 3,\ \text{root}[8,5-4]\ 3,$$
$$\left.\left.(8\ (5-4))\ 3,\ 8\ (\text{mod}[5,4]\ 3),\ 8\ ((5-4)\ 3),\ \frac{8}{\frac{\text{mod}[5,4]}{3}},\ \frac{8}{\frac{5-4}{3}},\ 8\ \frac{5+4}{3},\ \frac{8\ (5+4)}{3}\right\}\right\},$$

$$\{\{3,4,5,9\},\ \{\text{mod}[3,4]\ 5+9,\ 3\ ((4-5)+9),\ 3\ (4-(5-9)),\ 3\ (4+\text{mod}[9,5]),$$

$$3\,(4+(9-5)),\ 3\,((4+9)-5),\ \mathrm{mod}[3\times 5,\ 9]\ 4,\ (3\times 5-9)\ 4,\ 3\,(9+(4-5)),\ 3\,((9+4)-5),$$
$$3\,(\mathrm{mod}[9,\ 5]+4),\ 3\,((9-5)+4),\ 3\,(9-\mathrm{mod}[5,\ 4]),\ 3\,(9-(5-4)),\ 4\,\mathrm{mod}[3\times 5,\ 9],\ 4\,(3\times 5-9),$$
$$4\,\mathrm{mod}[5\times 3,\ 9],\ 4\,(5\times 3-9),\ ((4-5)+9)\ 3,\ (4-(5-9))\ 3,\ \mathrm{mod}[4,\ 5]\ (9-3),\ 4\,(9-\mathrm{mod}[3,\ 5]),$$
$$(4+\mathrm{mod}[9,\ 5])\ 3,\ (4+(9-5))\ 3,\ ((4+9)-5)\ 3,\ 5\,\mathrm{mod}[3,\ 4]+9,\ \mathrm{mod}[5\times 3,\ 9]\ 4,\ (5\times 3-9)\ 4,$$
$$9+\mathrm{mod}[3,\ 4]\ 5,\ (9-3)\ \mathrm{mod}[4,\ 5],\ (9-\mathrm{mod}[3,\ 5])\ 4,\ (9+(4-5))\ 3,\ ((9+4)-5)\ 3,$$
$$9+5\,\mathrm{mod}[3,\ 4],\ (\mathrm{mod}[9,\ 5]+4)\ 3,\ ((9-5)+4)\ 3,\ (9-\mathrm{mod}[5,\ 4])\ 3,\ (9-(5-4))\ 3\}\},$$

$$\Big\{\{3,\ 4,\ 5,\ 10\},\ \Big\{\Big(3\times\frac{4}{5}\Big)\ 10,\ \frac{3\times 4}{5}\ 10,\ 3\,\Big(\frac{4}{5}\ 10\Big),\ 3\,\frac{4}{\frac{5}{10}},\ \frac{3\times 4}{\frac{5}{10}},\ (3\times 4)\ \frac{10}{5},\ 3\,\Big(4\times\frac{10}{5}\Big),$$

$$3\,\frac{4\times 10}{5},\ \frac{(3\times 4)\ 10}{5},\ \frac{3\,(4\times 10)}{5},\ \Big(\frac{3}{5}\ 4\Big)\ 10,\ \frac{3}{\frac{5}{4}}\ 10,\ \frac{3}{5}\ (4\times 10),\ \frac{3}{\frac{5}{4\times 10}},\ \frac{3}{\frac{\frac{5}{4}}{10}},\ \Big(\frac{3}{5}\ 10\Big)\ 4,$$

$$\frac{3}{\frac{5}{10}}\ 4,\ \frac{3}{5}\ (10\times 4),\ \frac{3}{\frac{5}{10\times 4}},\ \frac{3}{\frac{\frac{5}{10}}{4}},\ (3\times 10)\ \frac{4}{5},\ 3\,\Big(10\times\frac{4}{5}\Big),\ 3\,\frac{10\times 4}{5},\ \frac{(3\times 10)\ 4}{5},\ \frac{3\,(10\times 4)}{5},$$

$$\Big(3\times\frac{10}{5}\Big)\ 4,\ \frac{3\times 10}{5}\ 4,\ 3\,\Big(\frac{10}{5}\ 4\Big),\ 3\,\frac{10}{\frac{5}{4}},\ \frac{3\times 10}{\frac{5}{4}},\ \Big(4\times\frac{3}{5}\Big)\ 10,\ \frac{4\times 3}{5}\ 10,\ 4\,\Big(\frac{3}{5}\ 10\Big),\ 4\,\frac{3}{\frac{5}{10}},$$

$$\frac{4\times 3}{\frac{5}{10}},\ 4-(3-5)\ 10,\ (4\times 3)\ \frac{10}{5},\ 4\,\Big(3\times\frac{10}{5}\Big),\ 4\,\frac{3\times 10}{5},\ \frac{(4\times 3)\ 10}{5},\ \frac{4\,(3\times 10)}{5},\ \Big(\frac{4}{5}\ 3\Big)\ 10,$$

$$\frac{4}{\frac{5}{3}}\ 10,\ \frac{4}{5}\ (3\times 10),\ 4+\mathrm{mod}[5,\ 3]\ 10,\ 4+(5-3)\ 10,\ \frac{4}{\frac{5}{3\times 10}},\ \frac{4}{\frac{\frac{5}{3}}{10}},\ \Big(\frac{4}{5}\ 10\Big)\ 3,\ \frac{4}{\frac{5}{10}}\ 3,\ \frac{4}{5}\ (10\times 3),$$

$$\frac{4}{\frac{5}{10\times 3}},\ \frac{4}{\frac{\frac{5}{10}}{3}},\ 4\,(5+\mathrm{mod}[10,\ 3]),\ 4^5-10^3,\ 4\,(\mathrm{mod}[10,\ 3]+5),\ (4\times 10)\ \frac{3}{5},\ 4\,\Big(10\times\frac{3}{5}\Big),$$

$$4\,\frac{10\times 3}{5},\ \frac{(4\times 10)\ 3}{5},\ \frac{4\,(10\times 3)}{5},\ 4-10\,(3-5),\ \Big(4\times\frac{10}{5}\Big)\ 3,\ \frac{4\times 10}{5}\ 3,\ 4\,\Big(\frac{10}{5}\ 3\Big),\ 4\,\frac{10}{\frac{5}{3}},$$

$$\frac{4\times 10}{\frac{5}{3}},\ 4+10\,\mathrm{mod}[5,\ 3],\ 4+10\,(5-3),\ \mathrm{mod}[5,\ 3]\ 10+4,\ (5-3)\ 10+4,\ (5+\mathrm{mod}[10,\ 3])\ 4,$$

$$(10\times 3)\ \frac{4}{5},\ 10\,\Big(3\times\frac{4}{5}\Big),\ 10\,\frac{3\times 4}{5},\ \frac{(10\times 3)\ 4}{5},\ \frac{10\,(3\times 4)}{5},\ (\mathrm{mod}[10,\ 3]+5)\ 4,\ \Big(10\times\frac{3}{5}\Big)\ 4,$$

$$\frac{10\times 3}{5}\ 4,\ 10\,\Big(\frac{3}{5}\ 4\Big),\ 10\,\frac{3}{\frac{5}{4}},\ \frac{10\times 3}{\frac{5}{4}},\ (10\times 4)\ \frac{3}{5},\ 10\,\Big(4\times\frac{3}{5}\Big),\ 10\,\frac{4\times 3}{5},\ \frac{(10\times 4)\ 3}{5},$$

$$\frac{10\,(4\times 3)}{5},\ \Big(10\times\frac{4}{5}\Big)\ 3,\ \frac{10\times 4}{5}\ 3,\ 10\,\Big(\frac{4}{5}\ 3\Big),\ 10\,\frac{4}{\frac{5}{3}},\ \frac{10\times 4}{\frac{5}{3}},\ \Big(\frac{10}{5}\ 3\Big)\ 4,\ \frac{10}{\frac{5}{3}}\ 4,\ \frac{10}{5}\ (3\times 4),$$

$$10\,\mathrm{mod}[5,\ 3]+4,\ 10\,(5-3)+4,\ \frac{10}{\frac{5}{3\times 4}},\ \frac{10}{\frac{\frac{5}{3}}{4}},\ \Big(\frac{10}{5}\ 4\Big)\ 3,\ \frac{10}{\frac{5}{4}}\ 3,\ \frac{10}{5}\ (4\times 3),\ \frac{10}{\frac{5}{4\times 3}},\ \frac{10}{\frac{\frac{5}{4}}{3}}\Big\}\Big\},$$

$$\Big\{\{3,\ 4,\ 6,\ 6\},\ \Big\{\mathrm{mod}[3,\ 4]\ 6+6,\ (3\times 4+6)+6,\ 3\times 4+(6+6),\ 3\,(4+6)-6,\ 3\,(\mathrm{mod}[6,\ 4]+6),$$
$$3\,((6-4)+6),\ 3\,(6-(4-6)),\ 3\,(6+4)-6,\ 3\,(6+\mathrm{mod}[6,\ 4]),\ 3\,(6+(6-4)),$$
$$3\,((6+6)-4),\ \mathrm{mod}[4,\ 3+6]\ 6,\ \mathrm{mod}\big[4^3,\ 6\big]\ 6,\ (4\times 3+6)+6,\ 4\times 3+(6+6),\ \mathrm{mod}[4,\ 6+3]\ 6,$$
$$(4+\mathrm{mod}[6,\ 3])\ 6,\ (4-\mathrm{mod}[6,\ 3])\ 6,\ 4\,(\mathrm{mod}[6,\ 3]+6),\ 4\,\mathrm{mod}[6,\ 3+6],\ (4+6)\ 3-6,$$
$$4\,(6+\mathrm{mod}[6,\ 3]),\ 4\times 6+\mathrm{mod}[6,\ 3],\ 4\,\mathrm{mod}[6,\ 6+3],\ 4\,(6-\mathrm{mod}[6,\ 3]),\ 4\times 6-\mathrm{mod}[6,\ 3],$$
$$(\mathrm{mod}[6,\ 3]+4)\ 6,\ (6+3\times 4)+6,\ 6\,\mathrm{mod}[3,\ 4]+6,\ \mathrm{mod}[6,\ 3]+4\times 6,\ 6+\mathrm{mod}[3,\ 4]\ 6,$$
$$6+(3\times 4+6),\ (\mathrm{mod}[6,\ 3]+6)\ 4,\ \mathrm{mod}[6,\ 3+6]\ 4,\ \mathrm{mod}[6,\ 3]+6\times 4,\ (6+4\times 3)+6,$$
$$6+(4\times 3+6),\ 6\,\mathrm{mod}[4,\ 3+6],\ 6\,\mathrm{mod}\big[4^3,\ 6\big],\ (6+4)\ 3-6,\ (\mathrm{mod}[6,\ 4]+6)\ 3,$$

$$((6-4)+6)\ 3,\ (6-(4-6))\ 3,\ 6\ \mathrm{mod}[4,\ 6+3],\ 6\ (4+\mathrm{mod}[6,\ 3]),\ 6\times 4+\mathrm{mod}[6,\ 3],$$
$$6\ (4-\mathrm{mod}[6,\ 3]),\ 6\times 4-\mathrm{mod}[6,\ 3],\ (6+\mathrm{mod}[6,\ 3])\ 4,\ \mathrm{mod}[6,\ 6+3]\ 4,\ (6-\mathrm{mod}[6,\ 3])\ 4,$$
$$6\ (\mathrm{mod}[6,\ 3]+4),\ (6+6)+3\times 4,\ 6+(6+3\times 4),\ 6+6\ \mathrm{mod}[3,\ 4],\ 6\times 6-3\times 4,$$
$$(6+\mathrm{mod}[6,\ 4])\ 3,\ (6+(6-4))\ 3,\ ((6+6)-4)\ 3,\ (6+6)+4\times 3,\ 6+(6+4\times 3),\ 6\times 6-4\times 3\Big\}\Big\},$$

$$\Big\{\{3,\ 4,\ 6,\ 7\},\ \Big\{\mathrm{mod}\Big[3^4,\ 7\Big]\ 6,\ \mathrm{mod}[4,\ 3+7]\ 6,\ 4\ \mathrm{mod}[6,\ 3+7],\ 4\ \mathrm{mod}\Big[6^3,\ 7\Big],\ 4\ \frac{6}{\mathrm{mod}[7,\ 3]},$$
$$\frac{4\times 6}{\mathrm{mod}[7,\ 3]},\ 4\ \mathrm{mod}[6,\ 7+3],\ (4\times 6)\ \mathrm{mod}[7,\ 3],\ 4\ (6\ \mathrm{mod}[7,\ 3]),\ 4\times 6^{\mathrm{mod}[7,3]},\ (4\times 6)^{\mathrm{mod}[7,3]},$$
$$4\ \mathrm{root}[6,\ \mathrm{mod}[7,\ 3]],\ \mathrm{root}[4\times 6,\ \mathrm{mod}[7,\ 3]],\ \frac{4}{\mathrm{mod}[7,\ 3]}\ 6,\ \mathrm{mod}[4,\ 7+3]\ 6,$$
$$(4\ \mathrm{mod}[7,\ 3])\ 6,\ 4^{\mathrm{mod}[7,3]}\ 6,\ \mathrm{root}[4,\ \mathrm{mod}[7,\ 3]]\ 6,\ 4\ (\mathrm{mod}[7,\ 3]\ 6),\ \frac{4}{\frac{\mathrm{mod}[7,3]}{6}},\ 6\ \mathrm{mod}\Big[3^4,\ 7\Big],$$
$$\mathrm{mod}[6,\ 3+7]\ 4,\ \mathrm{mod}\Big[6^3,\ 7\Big]\ 4,\ 6\ \mathrm{mod}[4,\ 3+7],\ 6\ \frac{4}{\mathrm{mod}[7,\ 3]},\ \frac{6\times 4}{\mathrm{mod}[7,\ 3]},\ 6\ \mathrm{mod}[4,\ 7+3],$$
$$(6\times 4)\ \mathrm{mod}[7,\ 3],\ 6\ (4\ \mathrm{mod}[7,\ 3]),\ 6\times 4^{\mathrm{mod}[7,3]},\ (6\times 4)^{\mathrm{mod}[7,3]},\ 6\ \mathrm{root}[4,\ \mathrm{mod}[7,\ 3]],$$
$$\mathrm{root}[6\times 4,\ \mathrm{mod}[7,\ 3]],\ \frac{6}{\mathrm{mod}[7,\ 3]}\ 4,\ \mathrm{mod}[6,\ 7+3]\ 4,\ (6\ \mathrm{mod}[7,\ 3])\ 4,\ 6^{\mathrm{mod}[7,3]}\ 4,$$
$$\mathrm{root}[6,\ \mathrm{mod}[7,\ 3]]\ 4,\ 6\ (\mathrm{mod}[7,\ 3]\ 4),\ \frac{6}{\frac{\mathrm{mod}[7,3]}{4}},\ 6\ (7-\mathrm{mod}[3,\ 4]),\ (\mathrm{mod}[7,\ 3]\ 4)\ 6,$$
$$(7-\mathrm{mod}[3,\ 4])\ 6,\ \mathrm{mod}[7,\ 3]\ (4\times 6),\ (\mathrm{mod}[7,\ 3]\ 6)\ 4,\ \mathrm{mod}[7,\ 3]\ (6\times 4)\Big\}\Big\},$$

$$\Big\{\{3,\ 4,\ 6,\ 8\},\ \Big\{\mathrm{mod}[3,\ 4+6]\ 8,\ \mathrm{mod}[3,\ \mathrm{mod}[4,\ 6]]\ 8,\ \mathrm{mod}[\mathrm{mod}[3,\ 4],\ 6]\ 8,\ \mathrm{mod}\Big[3^4,\ 6\Big]\ 8,$$
$$\mathrm{mod}[3\times 4,\ 8]\ 6,\ (3\times 4-8)\ 6,\ (3\times 4)\ \mathrm{mod}[8,\ 6],\ 3\ (4\ \mathrm{mod}[8,\ 6]),\ (3\times 4)\ (8-6),$$
$$3\ (4\ (8-6)),\ \mathrm{mod}[3,\ 6+4]\ 8,\ \mathrm{mod}[\mathrm{mod}[3,\ 6],\ 4]\ 8,\ 3\left(6+\frac{8}{4}\right),\ 3\left(\frac{8}{4}+6\right),\ 3\ \mathrm{mod}[8,\ 4+6],$$
$$(3\ \mathrm{mod}[8,\ 6])\ 4,\ (3\ (8-6))\ 4,\ 3\ (\mathrm{mod}[8,\ 6]\ 4),\ 3\ ((8-6)\ 4),\ 3\ \mathrm{mod}[8,\ 6+4],$$
$$\mathrm{root}[4,\ 3]^6+8,\ \mathrm{mod}[4,\ 3+8]\ 6,\ \mathrm{mod}[4\times 3,\ 8]\ 6,\ (4\times 3-8)\ 6,\ (4\times 3)\ \mathrm{mod}[8,\ 6],$$
$$4\ (3\ \mathrm{mod}[8,\ 6]),\ (4\times 3)\ (8-6),\ 4\ (3\ (8-6)),\ 4^{\frac{6}{3}}+8,\ \mathrm{root}\Big[4^6,\ 3\Big]+8,\ 4\ \mathrm{mod}[6,\ 3+8],$$
$$4\ \mathrm{mod}[6,\ 8+3],\ \frac{4+8}{3}\ 6,\ \mathrm{mod}[4,\ 8+3]\ 6,\ \mathrm{mod}[4,\ 8-3]\ 6,\ \frac{4+8}{\frac{3}{6}},\ (4\ \mathrm{mod}[8,\ 6])\ 3,$$
$$(4\ (8-6))\ 3,\ 4\ (\mathrm{mod}[8,\ 6]\ 3),\ 4\ ((8-6)\ 3),\ (4+8)\ \frac{6}{3},\ \frac{(4+8)\ 6}{3},\ 4\left(8-\frac{6}{3}\right),$$
$$\mathrm{mod}[6-3,\ 4]\ 8,\ (6-\mathrm{mod}[3,\ 4])\ 8,\ \frac{6}{3}\ (4+8),\ \left(\frac{6}{3}\right)^4+8,\ \frac{6}{\frac{3}{4+8}},\ 6\ \mathrm{mod}[3\times 4,\ 8],\ 6\ (3\times 4-8),$$
$$\mathrm{mod}[6,\ 3+8]\ 4,\ \frac{6}{3}\ (8+4),\ \frac{6}{\frac{3}{8+4}},\ 6\ \mathrm{mod}[4,\ 3+8],\ 6\ \mathrm{mod}[4\times 3,\ 8],\ 6\ (4\times 3-8),\ 6\ \frac{4+8}{3},$$
$$\frac{6\ (4+8)}{3},\ 6\ \mathrm{mod}[4,\ 8+3],\ 6\ \mathrm{mod}[4,\ 8-3],\ \mathrm{mod}[6,\ 8+3]\ 4,\ \left(6+\frac{8}{4}\right)\ 3,\ 6\ \frac{8+4}{3},\ \frac{6\ (8+4)}{3},$$
$$8\ \mathrm{mod}[3,\ 4+6],\ 8\ \mathrm{mod}[3,\ \mathrm{mod}[4,\ 6]],\ 8\ \mathrm{mod}[\mathrm{mod}[3,\ 4],\ 6],\ 8\ \mathrm{mod}\Big[3^4,\ 6\Big],\ 8\ \mathrm{mod}[3,\ 6+4],$$
$$8\ \mathrm{mod}[\mathrm{mod}[3,\ 6],\ 4],\ \frac{8+4}{3}\ 6,\ \frac{8+4}{\frac{3}{6}},\ 8+\mathrm{root}[4,\ 3]^6,\ \left(\frac{8}{4}+6\right)\ 3,\ \mathrm{mod}[8,\ 4+6]\ 3,$$
$$(8+4)\ \frac{6}{3},\ \frac{(8+4)\ 6}{3},\ 8+4^{\frac{6}{3}},\ 8+\mathrm{root}\Big[4^6,\ 3\Big],\ (\mathrm{mod}[8,\ 6]\ 3)\ 4,\ ((8-6)\ 3)\ 4,\ \left(8-\frac{6}{3}\right)\ 4,$$

$$\mathrm{mod}[8,6]\,(3\times 4),\ (8-6)\,(3\times 4),\ 8\,\mathrm{mod}[6-3,4],\ 8+\left(\frac{6}{3}\right)^4,\ 8\,(6-\mathrm{mod}[3,4]),$$

$$(\mathrm{mod}[8,6]\,4)\,3,\ ((8-6)\,4)\,3,\ \mathrm{mod}[8,6+4]\,3,\ \mathrm{mod}[8,6]\,(4\times 3),\ (8-6)\,(4\times 3)\Big\}\Big\},$$

$$\Big\{\{3,4,6,9\},\ \Big\{3\,\mathrm{root}[4,6]^9,\ 3\times 4^{\frac{9}{6}},\ 3\,\mathrm{root}\left[4^9,6\right],\ ((3-6)+9)\,4,\ (3-(6-9))\,4,$$

$$(3+\mathrm{mod}[9,4])\,6,\ (3+\mathrm{mod}[9,6])\,4,\ (3+(9-6))\,4,\ ((3+9)-6)\,4,\ (3+9)\,\mathrm{mod}[6,4],$$

$$(3+9)\,(6-4),\ 4\,((3-6)+9),\ 4\,(3-(6-9)),\ \mathrm{mod}[4,3+9]\,6,\ 4\,(3+\mathrm{mod}[9,6]),\ 4\,(3+(9-6)),$$

$$4\,((3+9)-6),\ 4\,\mathrm{mod}[6,3+9],\ \mathrm{root}[4,6]^9\,3,\ 4\,\mathrm{mod}[6,9+3],\ 4\,(6+\mathrm{mod}[9,3]),$$

$$4\times 6+\mathrm{mod}[9,3],\ 4\,(6-\mathrm{mod}[9,3]),\ \mathrm{mod}[4,6]\,(9-3),\ 4\times 6-\mathrm{mod}[9,3],\ \mathrm{mod}[4,9+3]\,6,$$

$$\mathrm{mod}[4,9-3]\,6,\ (4+\mathrm{mod}[9,3])\,6,\ (4-\mathrm{mod}[9,3])\,6,\ 4\,(\mathrm{mod}[9,3]+6),\ 4\,(9+(3-6)),$$

$$4\,(9-\mathrm{mod}[3,6]),\ 4\,((9+3)-6),\ 4^{\frac{9}{6}}\,3,\ \mathrm{root}\left[4^9,6\right]\,3,\ 4\,(\mathrm{mod}[9,6]+3),\ 4\,((9-6)+3),$$

$$4\,(9-(6-3)),\ \frac{6^{\mathrm{mod}[3,4]}}{9},\ \mathrm{mod}[6,3+9]\,4,\ 6\,(3+\mathrm{mod}[9,4]),\ \mathrm{mod}[6,4]\,(3+9),\ (6-4)\,(3+9),$$

$$6\,\mathrm{mod}[4,3+9],\ \mathrm{mod}[6,4]\,(9+3),\ (6-4)\,(9+3),\ 6\,\mathrm{mod}[4,9+3],\ 6\,\mathrm{mod}[4,9-3],$$

$$6\,(4+\mathrm{mod}[9,3]),\ 6\times 4+\mathrm{mod}[9,3],\ 6\,(4-\mathrm{mod}[9,3]),\ 6\times 4-\mathrm{mod}[9,3],\ \mathrm{mod}[6,9+3]\,4,$$

$$(6+\mathrm{mod}[9,3])\,4,\ (6-\mathrm{mod}[9,3])\,4,\ 6\,(\mathrm{mod}[9,3]+4),\ 6\,(\mathrm{mod}[9,4]+3),\ (\mathrm{mod}[9,3]+4)\,6,$$

$$\mathrm{mod}[9,3]+4\times 6,\ (9-3)\,\mathrm{mod}[4,6],\ (\mathrm{mod}[9,3]+6)\,4,\ (9+(3-6))\,4,\ (9-\mathrm{mod}[3,6])\,4,$$

$$((9+3)-6)\,4,\ \mathrm{mod}[9,3]+6\times 4,\ (9+3)\,\mathrm{mod}[6,4],\ (9+3)\,(6-4),\ (\mathrm{mod}[9,4]+3)\,6,$$

$$\mathrm{root}[9,4]^6-3,\ (\mathrm{mod}[9,6]+3)\,4,\ ((9-6)+3)\,4,\ (9-(6-3))\,4,\ 9^{\frac{6}{4}}-3,\ \mathrm{root}\left[9^6,4\right]-3\Big\}\Big\},$$

$$\Big\{\{3,4,6,10\},\ \Big\{3\,((4-6)+10),\ 3\,(4-(6-10)),\ 3\,(4+\mathrm{mod}[10,6]),\ 3\,(4+(10-6)),$$

$$\mathrm{mod}[3,4]\,10-6,\ 3\,((4+10)-6),\ (3\times 6-4)+10,\ 3\times 6-(4-10),\ 3\,(6+\mathrm{mod}[10,4]),$$

$$3\times 6+(10-4),\ (3\times 6+10)-4,\ 3\,(\mathrm{mod}[10,4]+6),\ 3\,(10-4)+6,\ 3\,(10+(4-6)),$$

$$3\,((10+4)-6),\ 3\,(\mathrm{mod}[10,6]+4),\ 3\,((10-6)+4),\ 3\,(10-\mathrm{mod}[6,4]),\ 3\,(10-(6-4)),$$

$$\mathrm{mod}[4,3+10]\,6,\ \mathrm{mod}\left[4^3,10\right]\,6,\ 4+\frac{6}{3}\,10,\ 4+\frac{6}{\frac{3}{10}},\ 4\,\mathrm{mod}[6,3+10],\ 4\,\mathrm{mod}\left[6^3,10\right],$$

$$((4-6)+10)\,3,\ (4-(6-10))\,3,\ 4\,\frac{6}{\mathrm{mod}[10,3]},\ 4+6\times\frac{10}{3},\ \frac{4\times 6}{\mathrm{mod}[10,3]},\ 4+\frac{6\times 10}{3},$$

$$4\,\mathrm{mod}[6,10+3],\ 4\,\mathrm{mod}[6,10-3],\ (4\times 6)\,\mathrm{mod}[10,3],\ 4\,(6\,\mathrm{mod}[10,3]),\ 4\times 6^{\mathrm{mod}[10,3]},$$

$$(4\times 6)^{\mathrm{mod}[10,3]},\ 4\,\mathrm{root}[6,\mathrm{mod}[10,3]],\ \mathrm{root}[4\times 6,\mathrm{mod}[10,3]],\ \frac{4}{\mathrm{mod}[10,3]}\,6,$$

$$\mathrm{mod}[4,10+3]\,6,\ \mathrm{mod}[4,10-3]\,6,\ (4\,\mathrm{mod}[10,3])\,6,\ 4^{\mathrm{mod}[10,3]}\,6,\ \mathrm{root}[4,\mathrm{mod}[10,3]]\,6,$$

$$4\,(\mathrm{mod}[10,3]\,6),\ 4+\frac{10}{3}\,6,\ \frac{4}{\frac{\mathrm{mod}[10,3]}{6}},\ 4+\frac{10}{\frac{3}{6}},\ (4+\mathrm{mod}[10,6])\,3,\ (4+(10-6))\,3,$$

$$((4+10)-6)\,3,\ 4+10\times\frac{6}{3},\ 4+\frac{10\times 6}{3},\ (6\times 3-4)+10,\ 6-3\,(4-10),\ 6\times 3-(4-10),$$

$$\mathrm{mod}[6,3+10]\,4,\ \mathrm{mod}\left[6^3,10\right]\,4,\ \frac{6}{3}\,10+4,\ \frac{6}{\frac{3}{10}}+4,\ 6\times 3+(10-4),\ 6+3\,(10-4),$$

$$(6\times 3+10)-4,\ 6\,\mathrm{mod}[4,3+10],\ 6\,\mathrm{mod}\left[4^3,10\right],\ 6\,\frac{4}{\mathrm{mod}[10,3]},\ \frac{6\times 4}{\mathrm{mod}[10,3]},$$

$$6\,\mathrm{mod}[4,10+3],\ 6\,\mathrm{mod}[4,10-3],\ (6\times 4)\,\mathrm{mod}[10,3],\ 6\,(4\,\mathrm{mod}[10,3]),\ 6\times 4^{\mathrm{mod}[10,3]},$$

$$(6\times 4)^{\mathrm{mod}[10,3]},\ 6\,\mathrm{root}[4,\mathrm{mod}[10,3]],\ \mathrm{root}[6\times 4,\mathrm{mod}[10,3]],\ 6-(4-10)\,3,$$

$$\frac{6}{\mathrm{mod}[10,3]}\,4,\ \mathrm{mod}[6,10+3]\,4,\ \mathrm{mod}[6,10-3]\,4,\ (6\,\mathrm{mod}[10,3])\,4,\ 6^{\mathrm{mod}[10,3]}\,4,$$

$$\mathrm{root}[6,\mathrm{mod}[10,3]]\,4,\ 6\,(\mathrm{mod}[10,3]\,4),\ 6\times\frac{10}{3}+4,\ \frac{6\times 10}{3}+4,\ \frac{6}{\frac{\mathrm{mod}[10,3]}{4}},$$

$$(6+\mathrm{mod}[10,4])\,3,\ 6+(10-4)\,3,\ (\mathrm{mod}[10,3]\,4)\,6,\ \mathrm{mod}[10,3]\,(4\times 6),\ 10\,\mathrm{mod}[3,4]-6,$$

$$(\text{mod}[10,\,3]\;6)\;4,\;\text{mod}[10,\,3]\;(6\times 4),\;\frac{10}{3}\;6+4,\;\frac{10}{\frac{3}{6}}+4,\;10+(3\times 6-4),\;(10+3\times 6)-4,$$

$$(10-4)\;3+6,\;(10-4)+3\times 6,\;10-(4-3\times 6),\;(\text{mod}[10,\,4]+6)\;3,\;(10+(4-6))\;3,$$

$$((10+4)-6)\;3,\;(10-4)+6\times 3,\;10-(4-6\times 3),\;10\times\frac{6}{3}+4,\;\frac{10\times 6}{3}+4,\;10+(6\times 3-4),$$

$$(10+6\times 3)-4,\;(\text{mod}[10,\,6]+4)\;3,\;((10-6)+4)\;3,\;(10-\text{mod}[6,\,4])\;3,\;(10-(6-4))\;3\Big\}\Big\},$$

$$\{\{3,\,4,\,7,\,7\},\{3-(4-7)\;7,\;3+(4\times 7-7),\;(3+4\times 7)-7,\;(3\times 7-4)+7,\;(3-7)+4\times 7,$$
$$3+\text{mod}[7,\,4]\;7,\;3+(7-4)\;7,\;3-7\;(4-7),\;3-(7-4\times 7),\;3+(7\times 4-7),\;3\times 7-(4-7),$$
$$(3+7\times 4)-7,\;(3-7)+7\times 4,\;3\times 7+\text{mod}[7,\,4],\;3+7\;\text{mod}[7,\,4],\;3-(7-7\times 4),$$
$$3\times 7+(7-4),\;3+7\;(7-4),\;(3\times 7+7)-4,\;4\times 7+(3-7),\;(4\times 7+3)-7,\;(4\times 7-7)+3,$$
$$4\;(7-\text{mod}[7,\,3]),\;4\times 7-(7-3),\;(7\times 3-4)+7,\;7\times 3-(4-7),\;7\times 3+\text{mod}[7,\,4],$$
$$7\times 3+(7-4),\;7+(3\times 7-4),\;(7-3)\;7-4,\;(7\times 3+7)-4,\;(7+3\times 7)-4,\;\text{mod}[7,\,4]+3\times 7,$$
$$(7-4)+3\times 7,\;7\times 4+(3-7),\;7-(4-3\times 7),\;(7\times 4+3)-7,\;\text{mod}[7,\,4]\;7+3,\;(7-4)\;7+3,$$
$$(7\times 4-7)+3,\;\text{mod}[7,\,4]+7\times 3,\;(7-4)+7\times 3,\;7-(4-7\times 3),\;7\times 4-(7-3),$$
$$(7-\text{mod}[7,\,3])\;4,\;7+(7\times 3-4),\;(7+7\times 3)-4,\;7\;(7-3)-4,\;7\;\text{mod}[7,\,4]+3,\;7\;(7-4)+3\}\},$$

$$\Big\{\{3,\,4,\,7,\,8\},\Big\{\text{mod}[3,\,4+7]\;8,\;\text{mod}[3,\,\text{mod}[4,\,7]]\;8,\;\text{mod}[\text{mod}[3,\,4],\,7]\;8,$$
$$\text{mod}[3,\,7+4]\;8,\;\text{mod}[\text{mod}[3,\,7],\,4]\;8,\;\text{mod}\Big[3^7,\,4\Big]\;8,\;3\;\text{mod}[8,\,4+7],$$
$$3\;\text{mod}[8,\,7+4],\;(4-\text{mod}[7,\,3])\;8,\;4\;(7-3)+8,\;\text{mod}\Big[7^3,\,4\Big]\;8,\;(7-3)\;4+8,$$
$$8\;\text{mod}[3,\,4+7],\;8\;\text{mod}[3,\,\text{mod}[4,\,7]],\;8\;\text{mod}[\text{mod}[3,\,4],\,7],\;8\;\text{mod}[3,\,7+4],$$
$$8\;\text{mod}[\text{mod}[3,\,7],\,4],\;8\;\text{mod}\Big[3^7,\,4\Big],\;8-(3-7)\;4,\;8-4\;(3-7),\;\text{mod}[8,\,4+7]\;3,$$
$$8\;(4-\text{mod}[7,\,3]),\;8+4\;(7-3),\;8+(7-3)\;4,\;8\;\text{mod}\Big[7^3,\,4\Big],\;\text{mod}[8,\,7+4]\;3\Big\}\Big\},$$

$$\Big\{\{3,\,4,\,7,\,9\},\Big\{3\;(4+7)-9,\;(3\times 4)\;\text{mod}[9,\,7],\;3\;(4\;\text{mod}[9,\,7]),\;(3\times 4)\;(9-7),\;3\;(4\;(9-7)),$$
$$3\;(7+4)-9,\;3\;(7+\text{mod}[9,\,4]),\;3\;(\text{mod}[9,\,4]+7),\;3\times 9+(4-7),\;(3\times 9+4)-7,\;(3\;\text{mod}[9,\,7])\;4,$$
$$\text{mod}[3\times 9,\,7]\;4,\;\text{mod}\Big[3^9,\,7\Big]\;4,\;(3\;(9-7))\;4,\;3\;(\text{mod}[9,\,7]\;4),\;3\;((9-7)\;4),\;(3\times 9-7)+4,$$
$$3\times 9-\text{mod}[7,\,4],\;3\times 9-(7-4),\;(4\times 3)\;\text{mod}[9,\,7],\;4\;(3\;\text{mod}[9,\,7]),\;4\;\text{mod}[3\times 9,\,7],$$
$$4\;\text{mod}\Big[3^9,\,7\Big],\;(4\times 3)\;(9-7),\;4\;(3\;(9-7)),\;4+(3\times 9-7),\;(4+3\times 9)-7,\;(4-7)+3\times 9,$$
$$4-(7-3\times 9),\;(4+7)\;3-9,\;(4-7)+9\times 3,\;4-(7-9\times 3),\;\text{mod}[4,\,7]\;(9-3),\;4\;\text{mod}[9\times 3,\,7],$$
$$4\;\text{mod}[9-3,\,7],\;4\;(9-\text{mod}[3,\,7]),\;4+(9\times 3-7),\;(4+9\times 3)-7,\;(4\;\text{mod}[9,\,7])\;3,$$
$$(4\;(9-7))\;3,\;4\;(\text{mod}[9,\,7]\;3),\;4\;((9-7)\;3),\;(7+4)\;3-9,\;\text{mod}[7,\,4]\;9-3,\;(7-4)\;9-3,$$
$$(7+\text{mod}[9,\,4])\;3,\;(9-3)\;\text{mod}[4,\,7],\;9\times 3+(4-7),\;(9\times 3+4)-7,\;\text{mod}[9\times 3,\,7]\;4,$$
$$\text{mod}[9-3,\,7]\;4,\;(9-\text{mod}[3,\,7])\;4,\;(9\times 3-7)+4,\;9\times 3-\text{mod}[7,\,4],\;9\times 3-(7-4),$$
$$(\text{mod}[9,\,4]+7)\;3,\;(\text{mod}[9,\,7]\;3)\;4,\;((9-7)\;3)\;4,\;\text{mod}[9,\,7]\;(3\times 4),\;(9-7)\;(3\times 4),$$
$$(\text{mod}[9,\,7]\;4)\;3,\;((9-7)\;4)\;3,\;\text{mod}[9,\,7]\;(4\times 3),\;(9-7)\;(4\times 3),\;9\;\text{mod}[7,\,4]-3,\;9\;(7-4)-3\Big\}\Big\},$$

$$\Big\{\{3,\,4,\,7,\,10\},\Big\{((3+4)+7)+10,\;(3+(4+7))+10,\;(3+4)+(7+10),\;3+((4+7)+10),$$
$$3+(4+(7+10)),\;3\;\text{mod}[4\times 7,\,10],\;((3+4)+10)+7,\;(3+(4+10))+7,\;(3+4)+(10+7),$$
$$3+((4+10)+7),\;3+(4+(10+7)),\;((3+7)+4)+10,\;(3+(7+4))+10,\;(3+7)+(4+10),$$
$$3+((7+4)+10),\;3+(7+(4+10)),\;3\;\text{mod}[7\times 4,\,10],\;(3-7)\;(4-10),\;((3-7)+10)\;4,$$
$$(3-(7-10))\;4,\;((3+7)+10)+4,\;(3+(7+10))+4,\;(3+7)+(10+4),\;3+((7+10)+4),$$
$$3+(7+(10+4)),\;((3+10)+4)+7,\;(3+(10+4))+7,\;(3+10)+(4+7),\;3+((10+4)+7),$$
$$3+(10+(4+7)),\;(3+\text{mod}[10,\,7])\;4,\;\text{mod}[3+10,\,7]\;4,\;(3+(10-7))\;4,\;((3+10)-7)\;4,$$
$$((3+10)+7)+4,\;(3+(10+7))+4,\;(3+10)+(7+4),\;3+((10+7)+4),\;3+(10+(7+4)),$$
$$((4+3)+7)+10,\;(4+(3+7))+10,\;4\;((3-7)+10),\;(4+3)+(7+10),\;4+((3+7)+10),$$
$$4+(3+(7+10)),\;4\;(3-(7-10)),\;((4+3)+10)+7,\;(4+(3+10))+7,\;(4+3)+(10+7),$$
$$4+((3+10)+7),\;4+(3+(10+7)),\;4\;(3+\text{mod}[10,\,7]),\;4\;\text{mod}[3+10,\,7],\;4\;(3+(10-7)),$$
$$4\;((3+10)-7),\;((4+7)+3)+10,\;(4+(7+3))+10,\;(4+7)+(3+10),\;4+((7+3)+10),$$
$$4+(7+(3+10)),\;\text{mod}[4\times 7,\,10]\;3,\;((4+7)+10)+3,\;(4+(7+10))+3,\;(4+7)+(10+3),$$
$$4+((7+10)+3),\;4+(7+(10+3)),\;4\;(7-\text{mod}[10,\,3]),\;((4+10)+3)+7,\;(4+(10+3))+7,$$
$$(4+10)+(3+7),\;4+((10+3)+7),\;4+(10+(3+7)),\;4\;\text{mod}[10+3,\,7],\;4\;\text{mod}\Big[10^3,\,7\Big],$$
$$(4-10)\;(3-7),\;4\;(10+(3-7)),\;4\;((10+3)-7),\;((4+10)+7)+3,\;(4+(10+7))+3,$$
$$4\;(\text{mod}[10,\,7]+3),\;4\;((10-7)+3),\;(4+10)+(7+3),\;4+((10+7)+3),\;4+(10+(7+3)),$$
$$4\;(10-(7-3)),\;((7+3)+4)+10,\;(7+(3+4))+10,\;(7+3)+(4+10),\;7+((3+4)+10),$$
$$7+(3+(4+10)),\;((7+3)+10)+4,\;(7+(3+10))+4,\;(7+3)+(10+4),\;7+((3+10)+4),$$
$$7+(3+(10+4)),\;(7-3)\;(10-4),\;((7+4)+3)+10,\;(7+(4+3))+10,\;(7+4)+(3+10),$$
$$7+((4+3)+10),\;7+(4+(3+10)),\;\text{mod}[7\times 4,\,10]\;3,\;((7+4)+10)+3,\;(7+(4+10))+3,$$
$$(7+4)+(10+3),\;7+((4+10)+3),\;7+(4+(10+3)),\;(7-\text{mod}[10,\,3])\;4,$$
$$((7+10)+3)+4,\;(7+(10+3))+4,\;(7+10)+(3+4),\;7+((10+3)+4),\;7+(10+(3+4)),$$
$$((7+10)+4)+3,\;(7+(10+4))+3,\;(7+10)+(4+3),\;7+((10+4)+3),\;7+(10+(4+3)),$$

$$((10+3)+4)+7,\ (10+(3+4))+7,\ (10+3)+(4+7),\ 10+((3+4)+7),\ 10+(3+(4+7)),$$
$$\text{mod}[10+3,7]\,4,\ \text{mod}\left[10^3,7\right]4,\ (10+(3-7))\,4,\ ((10+3)-7)\,4,\ ((10+3)+7)+4,$$
$$(10+(3+7))+4,\ (10+3)+(7+4),\ 10+((3+7)+4),\ 10+(3+(7+4)),\ ((10+4)+3)+7,$$
$$(10+(4+3))+7,\ (10+4)+(3+7),\ 10+((4+3)+7),\ 10+(4+(3+7)),\ ((10+4)+7)+3,$$
$$(10+(4+7))+3,\ (10+4)+(7+3),\ 10+((4+7)+3),\ 10+(4+(7+3)),\ (10-4)\,(7-3),$$
$$(\text{mod}[10,7]+3)\,4,\ ((10-7)+3)\,4,\ (10-(7-3))\,4,\ ((10+7)+3)+4,\ (10+(7+3))+4,$$
$$(10+7)+(3+4),\ 10+((7+3)+4),\ 10+(7+(3+4)),\ ((10+7)+4)+3,$$
$$(10+(7+4))+3,\ (10+7)+(4+3),\ 10+((7+4)+3),\ 10+(7+(4+3))\}\},$$

$$\{\{3,4,8,8\},\ \{\text{mod}[3,4+8]\,8,\ \text{mod}[3,\text{mod}[4,8]]\,8,\ \text{mod}[\text{mod}[3,4],8]\,8,\ \text{mod}[3,8+4]\,8,$$
$$\text{mod}[3,8-4]\,8,\ (3+\text{mod}[8,4])\,8,\ \text{mod}[3+8,4]\,8,\ \text{mod}[\text{mod}[3,8],4]\,8,\ (3-\text{mod}[8,4])\,8,$$
$$3\,(\text{mod}[8,4]+8),\ 3\,\text{mod}[8,4+8],\ 3\,(8+\text{mod}[8,4]),\ 3\times 8+\text{mod}[8,4],\ 3\,\text{mod}[8,8+4],$$
$$3\,(8-\text{mod}[8,4]),\ 3\times 8-\text{mod}[8,4],\ 4^{\text{mod}[8,3]}+8,\ 4^{\text{root}[8,3]}+8,\ (4+8)\,\text{mod}[8,3],$$
$$(4+8)\,\text{root}[8,3],\ 4\,(8-\text{mod}[8,3]),\ 4\,(8-\text{root}[8,3]),\ \text{mod}[8+3,4]\,8,$$
$$\text{mod}[8,3]\,(4+8),\ \text{root}[8,3]\,(4+8),\ \text{mod}[8,3]^4+8,\ \text{root}[8,3]^4+8,\ 8\,\text{mod}[3,4+8],$$
$$8\,\text{mod}[3,\text{mod}[4,8]],\ 8\,\text{mod}[\text{mod}[3,4],8],\ \text{mod}[8,3]\,(8+4),\ \text{root}[8,3]\,(8+4),$$
$$8\,\text{mod}[3,8+4],\ 8\,\text{mod}[3,8-4],\ 8\,(3+\text{mod}[8,4]),\ 8\times 3+\text{mod}[8,4],\ 8\,\text{mod}[3+8,4],$$
$$8\,\text{mod}[\text{mod}[3,8],4],\ 8\,(3-\text{mod}[8,4]),\ 8\times 3-\text{mod}[8,4],\ (\text{mod}[8,4]+3)\,8,\ 8^{\frac{4}{3}}+8,$$
$$\text{root}\left[8^4,3\right]+8,\ \text{mod}[8,4]+3\times 8,\ (\text{mod}[8,4]+8)\,3,\ \text{mod}[8,4+8]\,3,\ \text{mod}[8,4]+8\times 3,$$
$$(8+4)\,\text{mod}[8,3],\ 8+4^{\text{mod}[8,3]},\ 8+4^{\text{root}[8,3]},\ (8+4)\,\text{root}[8,3],\ (8-\text{mod}[8,3])\,4,$$
$$(8-\text{root}[8,3])\,4,\ 8\,\text{mod}[8+3,4],\ 8+\text{mod}[8,3]^4,\ 8+\text{root}[8,3]^4,\ (8+\text{mod}[8,4])\,3,$$
$$\text{mod}[8,8+4]\,3,\ (8-\text{mod}[8,4])\,3,\ 8\,(\text{mod}[8,4]+3),\ 8+8^{\frac{4}{3}},\ 8+\text{root}\left[8^4,3\right]\}\},$$

$$\{\{3,4,8,9\},\ \{((3+4)+8)+9,\ (3+(4+8))+9,\ (3+4)+(8+9),\ 3+((4+8)+9),$$
$$3+(4+(8+9)),\ \text{mod}[3,4]\,\text{mod}[8,9],\ \text{mod}[3,4+9]\,8,\ \text{mod}[3,\text{mod}[4,9]]\,8,$$
$$\text{mod}[3\times 4,9]\,8,\ \text{mod}[\text{mod}[3,4],9]\,8,\ (3\times 4-9)\,8,\ ((3+4)+9)+8,\ (3+(4+9))+8,$$
$$(3+4)+(9+8),\ 3+((4+9)+8),\ 3+(4+(9+8)),\ ((3+8)+4)+9,\ (3+(8+4))+9,$$
$$(3+8)+(4+9),\ 3+((8+4)+9),\ 3+(8+(4+9)),\ 3\,\text{mod}[8,4+9],\ \text{mod}[3\times 8,9]\,4,$$
$$((3+8)+9)+4,\ (3+(8+9))+4,\ (3+8)+(9+4),\ 3+((8+9)+4),\ 3+(8+(9+4)),$$
$$3\,\frac{8}{\text{mod}[9,4]},\ \frac{3\times 8}{\text{mod}[9,4]},\ 3\,\text{mod}[8,9+4],\ (3\times 8)\,\text{mod}[9,4],\ 3\,(8\,\text{mod}[9,4]),\ 3\times 8^{\text{mod}[9,4]},$$
$$(3\times 8)^{\text{mod}[9,4]},\ 3\,\text{root}[8,\text{mod}[9,4]],\ \text{root}[3\times 8,\text{mod}[9,4]],\ \frac{3}{\text{mod}[9,4]}\,8,\ \frac{3+9}{4}\,8,$$
$$\text{mod}[3,9+4]\,8,\ \text{mod}[3,9-4]\,8,\ (3\,\text{mod}[9,4])\,8,\ \text{mod}[3\times 9,4]\,8,\ \text{mod}[\text{mod}[3,9],4]\,8,$$
$$\text{mod}\left[3^9,4\right]8,\ 3^{\text{mod}[9,4]}\,8,\ \text{root}[3,\text{mod}[9,4]]\,8,\ 3\,(\text{mod}[9,4]\,8),\ \text{Log}[3,9]\,(4+8),$$
$$((3+9)+4)+8,\ (3+(9+4))+8,\ \text{Log}[3,9]^4+8,\ (3+9)+(4+8),\ 3+((9+4)+8),$$
$$3+(9+(4+8)),\ \frac{3}{\frac{\text{mod}[9,4]}{8}},\ \frac{3+9}{\frac{4}{8}},\ \text{Log}\left[3,9^{4+8}\right],\ (3-9)\,(4-8),\ \text{Log}[3,9]\,(8+4),$$
$$((3+9)+8)+4,\ (3+(9+8))+4,\ (3+9)+(8+4),\ 3+((9+8)+4),\ 3+(9+(8+4)),$$
$$(3+9)\,\frac{8}{4},\ \frac{(3+9)\,8}{4},\ \text{Log}\left[3,9^{8+4}\right],\ ((4+3)+8)+9,\ (4+(3+8))+9,\ (4+3)+(8+9),$$
$$4+((3+8)+9),\ 4+(3+(8+9)),\ 4\,\text{mod}[3\times 8,9],\ \text{mod}[4\times 3,9]\,8,\ (4\times 3-9)\,8,$$
$$((4+3)+9)+8,\ (4+(3+9))+8,\ 4^{\text{Log}[3,9]}+8,\ (4+3)+(9+8),\ 4+((3+9)+8),$$
$$4+(3+(9+8)),\ ((4+8)+3)+9,\ (4+(8+3))+9,\ (4+8)+(3+9),\ 4+((8+3)+9),$$
$$4+(8+(3+9)),\ (4+8)\,\text{Log}[3,9],\ 4\,\text{mod}[8\times 3,9],\ (4-8)\,(3-9),\ 4\,(8-\text{Log}[3,9]),$$
$$((4+8)+9)+3,\ (4+(8+9))+3,\ (4+8)+(9+3),\ 4+((8+9)+3),\ 4+(8+(9+3)),$$
$$\frac{4+8}{\text{Log}[9,3]},\ \text{mod}[4,8]\,(9-3),\ ((4+9)+3)+8,\ (4+(9+3))+8,\ (4+9)+(3+8),$$
$$4+((9+3)+8),\ 4+(9+(3+8)),\ 4\,\text{mod}[9-3,8],\ 4\,(9-\text{mod}[3,8]),\ ((4+9)+8)+3,$$
$$(4+(9+8))+3,\ (4+9)+(8+3),\ 4+((9+8)+3),\ 4+(9+(8+3)),\ \frac{8}{\text{mod}[3,4]}\,9,$$
$$((8+3)+4)+9,\ (8+(3+4))+9,\ (8+3)+(4+9),\ 8+((3+4)+9),\ 8+(3+(4+9)),$$

$$\frac{8}{\frac{\text{mod}[3,4]}{9}},\ 8\ \text{mod}[3,\ 4+9],\ 8\ \text{mod}[3,\ \text{mod}[4,\ 9]],\ 8\ \text{mod}[3\times 4,\ 9],\ 8\ \text{mod}[\text{mod}[3,\ 4],\ 9],$$

$$8\ (3\times 4-9),\ \text{mod}[8\times 3,\ 9]\ 4,\ (8-\text{Log}[3,\ 9])\ 4,\ ((8+3)+9)+4,\ (8+(3+9))+4,$$

$$(8+3)+(9+4),\ 8+((3+9)+4),\ 8+(3+(9+4)),\ 8\ \frac{3}{\text{mod}[9,\ 4]},\ \frac{8\times 3}{\text{mod}[9,\ 4]},\ 8\ \frac{3+9}{4},$$

$$\frac{8\ (3+9)}{4},\ 8\ \text{mod}[3,\ 9+4],\ 8\ \text{mod}[3,\ 9-4],\ (8\times 3)\ \text{mod}[9,\ 4],\ 8\ (3\ \text{mod}[9,\ 4]),$$

$$8\ \text{mod}[3\times 9,\ 4],\ 8\ \text{mod}[\text{mod}[3,\ 9],\ 4],\ 8\ \text{mod}\left[3^9,\ 4\right],\ 8\times 3^{\text{mod}[9,4]},\ (8\times 3)^{\text{mod}[9,4]},$$

$$8+\text{Log}[3,\ 9]^4,\ 8\ \text{root}[3,\ \text{mod}[9,\ 4]],\ \text{root}[8\times 3,\ \text{mod}[9,\ 4]],\ \frac{8}{4}\ (3+9),\ ((8+4)+3)+9,$$

$$(8+(4+3))+9,\ (8+4)+(3+9),\ 8+((4+3)+9),\ 8+(4+(3+9)),\ \frac{8}{\frac{4}{3+9}},\ (8+4)\ \text{Log}[3,\ 9],$$

$$8\ \text{mod}[4\times 3,\ 9],\ 8+4^{\text{Log}[3,9]},\ 8\ (4\times 3-9),\ \text{mod}[8,\ 4+9]\ 3,\ \frac{8}{4}\ (9+3),\ ((8+4)+9)+3,$$

$$(8+(4+9))+3,\ (8+4)+(9+3),\ 8+((4+9)+3),\ 8+(4+(9+3)),\ \frac{8}{\frac{4}{9+3}},\ \frac{8+4}{\text{Log}[9,\ 3]},$$

$$(8-4)\ (9-3),\ ((8+9)+3)+4,\ (8+(9+3))+4,\ (8+9)+(3+4),\ 8+((9+3)+4),$$

$$8+(9+(3+4)),\ 8\ \frac{9}{\text{mod}[3,\ 4]},\ \frac{8\times 9}{\text{mod}[3,\ 4]},\ 8\ \frac{9+3}{4},\ \frac{8\ (9+3)}{4},\ \text{mod}[8,\ 9]\ \text{mod}[3,\ 4],$$

$$8\ \text{mod}[9\times 3,\ 4],\ 8\ \text{mod}\left[\frac{9}{3},\ 4\right],\ \frac{8}{\text{mod}[9,\ 4]}\ 3,\ \text{mod}[8,\ 9+4]\ 3,\ (8\ \text{mod}[9,\ 4])\ 3,$$

$$8^{\text{mod}[9,4]}\ 3,\ \text{root}[8,\ \text{mod}[9,\ 4]]\ 3,\ 8\ (\text{mod}[9,\ 4]\ 3),\ ((8+9)+4)+3,\ (8+(9+4))+3,$$

$$(8+9)+(4+3),\ 8+((9+4)+3),\ 8+(9+(4+3)),\ \frac{8}{\frac{\text{mod}[9,4]}{3}},\ \frac{9}{\text{mod}[3,\ 4]}\ 8,\ \frac{9+3}{4}\ 8,$$

$$\text{mod}[9\times 3,\ 4]\ 8,\ \text{mod}\left[\frac{9}{3},\ 4\right]\ 8,\ ((9+3)+4)+8,\ (9+(3+4))+8,\ (9+3)+(4+8),$$

$$9+((3+4)+8),\ 9+(3+(4+8)),\ \frac{9}{\frac{\text{mod}[3,4]}{8}},\ \frac{9+3}{\frac{4}{8}},\ (9-3)\ \text{mod}[4,\ 8],\ \text{mod}[9-3,\ 8]\ 4,$$

$$(9-\text{mod}[3,\ 8])\ 4,\ ((9+3)+8)+4,\ (9+(3+8))+4,\ (9+3)+(8+4),\ 9+((3+8)+4),$$

$$9+(3+(8+4)),\ (9+3)\ \frac{8}{4},\ \frac{(9+3)\ 8}{4},\ (9-3)\ (8-4),\ (\text{mod}[9,\ 4]\ 3)\ 8,\ \text{mod}[9,\ 4]\ (3\times 8),$$

$$((9+4)+3)+8,\ (9+(4+3))+8,\ (9+4)+(3+8),\ 9+((4+3)+8),\ 9+(4+(3+8)),$$

$$(\text{mod}[9,\ 4]\ 8)\ 3,\ \text{mod}[9,\ 4]\ (8\times 3),\ ((9+4)+8)+3,\ (9+(4+8))+3,\ (9+4)+(8+3),$$

$$9+((4+8)+3),\ 9+(4+(8+3)),\ 9^{\text{Log}[4,8]}-3,\ ((9+8)+3)+4,\ (9+(8+3))+4,$$

$$(9+8)+(3+4),\ 9+((8+3)+4),\ 9+(8+(3+4)),\ 9\ \frac{8}{\text{mod}[3,\ 4]},\ \frac{9\times 8}{\text{mod}[3,\ 4]},$$

$$((9+8)+4)+3,\ (9+(8+4))+3,\ (9+8)+(4+3),\ 9+((8+4)+3),\ 9+(8+(4+3))\Big\}\Big\},$$

$$\Big\{\{3,\ 4,\ 8,\ 10\},\ \Big\{\text{mod}[3,\ 4]\ \text{mod}[8,\ 10],\ \text{mod}[3,\ 4+10]\ 8,\ \text{mod}[3,\ \text{mod}[4,\ 10]]\ 8,$$

$$\text{mod}[\text{mod}[3,\ 4],\ 10]\ 8,\ (3\times 4)\ \text{mod}[10,\ 8],\ 3\ (4\ \text{mod}[10,\ 8]),\ (3\times 4)\ (10-8),\ 3\ (4\ (10-8)),$$

$$3\ \text{mod}[8,\ 4+10],\ 3\ \text{mod}[8,\ 10+4],\ \text{mod}[3,\ 10+4]\ 8,\ \text{mod}[3,\ 10-4]\ 8,\ \text{mod}[\text{mod}[3,\ 10],\ 4]\ 8,$$

$$(3\ \text{mod}[10,\ 8])\ 4,\ \text{mod}[3\times 10,\ 8]\ 4,\ (3\ (10-8))\ 4,\ 3\ (\text{mod}[10,\ 8]\ 4),\ 3\ ((10-8)\ 4),$$

$$3\left(10-\frac{8}{4}\right),\ \frac{4}{3}\ (8+10),\ \frac{4}{\frac{3}{8+10}},\ \frac{4}{3}\ (10+8),\ \frac{4}{\frac{3}{10+8}},\ (4\times 3)\ \text{mod}[10,\ 8],\ 4\ (3\ \text{mod}[10,\ 8]),$$

$$4\ \text{mod}[3\times 10,\ 8],\ (4\times 3)\ (10-8),\ 4\ (3\ (10-8)),\ 4+\text{mod}[8,\ 3]\ 10,\ 4+\text{root}[8,\ 3]\ 10,$$

$$4\ \frac{8+10}{3},\ \frac{4\ (8+10)}{3},\ (4-\text{mod}[10,\ 3])\ 8,\ 4\ \text{mod}[10\times 3,\ 8],\ (4\ \text{mod}[10,\ 8])\ 3,\ (4\ (10-8))\ 3,$$

$$4\ (\text{mod}[10,\ 8]\ 3),\ 4\ ((10-8)\ 3),\ 4\ \frac{10+8}{3},\ \frac{4\ (10+8)}{3},\ 4+10\ \text{mod}[8,\ 3],\ 4+10\ \text{root}[8,\ 3],$$

$$8\ \text{mod}[3,\ 4+10],\ 8\ \text{mod}[3,\ \text{mod}[4,\ 10]],\ 8\ \text{mod}[\text{mod}[3,\ 4],\ 10],\ \text{mod}[8,\ 3]\ 10+4,$$

$$\text{root}[8,\ 3]\ 10+4,\ 8\ \text{mod}[3,\ 10+4],\ 8\ \text{mod}[3,\ 10-4],\ 8\ \text{mod}[\text{mod}[3,\ 10],\ 4],\ \text{mod}[8,\ 4+10]\ 3,$$

$$8\ (4-\text{mod}[10,\ 3]),\ \frac{8+10}{3}\ 4,\ \frac{8+10}{\frac{3}{4}},\ \text{mod}[8,\ 10]\ \text{mod}[3,\ 4],\ 8\ \text{mod}[10,\ 3+4],$$

$$8\ \text{mod}[10-3,\ 4],\ 8\ (10-(3+4)),\ 8\ ((10-3)-4),\ \text{mod}[8,\ 10+4]\ 3,\ (8+10)\ \frac{4}{3},\ \frac{(8+10)\ 4}{3},$$

$$8\ \text{mod}[10,\ 4+3],\ 8\ (10-(4+3)),\ 8\ ((10-4)-3),\ \text{mod}[10,\ 3+4]\ 8,\ \text{mod}[10-3,\ 4]\ 8,$$

$$(10-(3+4))\ 8,\ ((10-3)-4)\ 8,\ \text{mod}[10\times 3,\ 8]\ 4,\ \text{mod}[10,\ 4+3]\ 8,\ (10-(4+3))\ 8,$$

$$((10-4)-3)\ 8,\ (\text{mod}[10,\ 8]\ 3)\ 4,\ ((10-8)\ 3)\ 4,\ \frac{10+8}{3}\ 4,\ \text{mod}[10,\ 8]\ (3\times 4),$$

$$(10-8)\ (3\times 4),\ 10\ \text{mod}[8,\ 3]+4,\ 10\ \text{root}[8,\ 3]+4,\ \frac{10+8}{\frac{3}{4}},\ (\text{mod}[10,\ 8]\ 4)\ 3,$$

$$((10-8)\ 4)\ 3,\ \left(10-\frac{8}{4}\right)\ 3,\ \text{mod}[10,\ 8]\ (4\times 3),\ (10-8)\ (4\times 3),\ (10+8)\ \frac{4}{3},\ \frac{(10+8)\ 4}{3}\Big\}\Big\},$$

$$\Big\{\{3,\ 4,\ 9,\ 9\},\ \Big\{3\ (9-4)+9,\ 3\ (9-\text{mod}[9,\ 4]),\ \frac{4}{3}\ (9+9),\ \frac{4}{\frac{3}{9+9}},\ 4\ \text{mod}[9-3,\ 9],$$

$$4\ (9-\text{mod}[3,\ 9]),\ 4\times 9-(3+9),\ (4\times 9-3)-9,\ 4\ \frac{9+9}{3},\ \frac{4\ (9+9)}{3},\ \text{mod}[4,\ 9]\ (9-3),\ 4\left(9-\frac{9}{3}\right),$$

$$4\times 9-(9+3),\ (4\times 9-9)-3,\ (9-3)\ \text{mod}[4,\ 9],\ 9-3\ (4-9),\ \text{mod}[9-3,\ 9]\ 4,\ (9-\text{mod}[3,\ 9])\ 4,$$

$$9+3\ (9-4),\ (9-4)\ 3+9,\ 9\times 4-(3+9),\ (9\times 4-3)-9,\ 9-(4-9)\ 3,\ 9\times 4-(9+3),$$

$$(9\times 4-9)-3,\ \frac{9+9}{3}\ 4,\ \left(9-\frac{9}{3}\right)\ 4,\ \frac{9+9}{\frac{3}{4}},\ (9-\text{mod}[9,\ 4])\ 3,\ 9+(9-4)\ 3,\ (9+9)\ \frac{4}{3},\ \frac{(9+9)\ 4}{3}\Big\}\Big\},$$

$$\Big\{\{3,\ 4,\ 9,\ 10\},\ \Big\{\text{Log}[3,\ 9]\ 10+4,\ \text{Log}\left[3,\ 9^{10}\right]+4,\ (3+9)\ \text{mod}[10,\ 4],\ 4+\text{Log}[3,\ 9]\ 10,$$

$$4+\text{Log}\left[3,\ 9^{10}\right],\ 4\ \text{mod}[9-3,\ 10],\ 4\ (9-\text{mod}[3,\ 10]),\ 4\ (\text{mod}[9,\ 10]-3),$$

$$4+10\ \text{Log}[3,\ 9],\ 4+\frac{10}{\text{Log}[9,\ 3]},\ \text{mod}[4,\ 10]\ (9-3),\ (9-3)\ \text{mod}[4,\ 10],$$

$$\text{mod}[9-3,\ 10]\ 4,\ (9-\text{mod}[3,\ 10])\ 4,\ (9+3)\ \text{mod}[10,\ 4],\ (\text{mod}[9,\ 10]-3)\ 4,$$

$$10\ \text{Log}[3,\ 9]+4,\ \text{mod}[10,\ 4]\ (3+9),\ \frac{(10-4)^3}{9},\ \text{mod}[10,\ 4]\ (9+3),\ \frac{10}{\text{Log}[9,\ 3]}+4\Big\}\Big\},$$

$$\{\{3,\ 4,\ 10,\ 10\},\ \{3\times 10+(4-10),\ (3\times 10+4)-10,\ (3\times 10-10)+4,\ 3\ (10-\text{mod}[10,\ 4]),$$

$$3\times 10-(10-4),\ 4+(3\times 10-10),\ (4+3\times 10)-10,\ (4-10)+3\times 10,\ 4-(10-3\times 10),$$

$$4+(10\times 3-10),\ (4+10\times 3)-10,\ (4-10)+10\times 3,\ 4-(10-10\times 3),\ 10\times 3+(4-10),$$

$$(10\times 3+4)-10,\ (10\times 3-10)+4,\ 10\times 3-(10-4),\ (10-\text{mod}[10,\ 4])\ 3\}\},$$

$$\Big\{\{3,\ 5,\ 5,\ 5\},\ \Big\{\frac{5^3-5}{5}\Big\}\Big\},\ \Big\{\{3,\ 5,\ 5,\ 6\},\ \Big\{\left(3+\frac{5}{5}\right)\ 6,\ (3+\text{Log}[5,\ 5])\ 6,\ 3\ (5+5)-6,\ \left(\frac{5}{5}+3\right)\ 6,$$

$$(\text{Log}[5,\ 5]+3)\ 6,\ (5+5)\ 3-6,\ 6\left(3+\frac{5}{5}\right),\ 6\ (3+\text{Log}[5,\ 5]),\ 6\left(\frac{5}{5}+3\right),\ 6\ (\text{Log}[5,\ 5]+3)\Big\}\Big\},$$

$$\Big\{\{3,\ 5,\ 5,\ 7\},\ \Big\{3\left(\frac{5}{5}+7\right),\ 3\ (\text{Log}[5,\ 5]+7),\ 3\left(7+\frac{5}{5}\right),\ 3\ (7+\text{Log}[5,\ 5]),$$

$$\text{mod}[5,\ 3]\ (5+7),\ (5-3)\ (5+7),\ \text{mod}[5,\ 3]\ (7+5),\ (5-3)\ (7+5),\ \left(\frac{5}{5}+7\right)\ 3,$$

$$(\text{Log}[5,\ 5]+7)\ 3,\ 5\times 5-\text{mod}[7,\ 3],\ (5+7)\ \text{mod}[5,\ 3],\ (5+7)\ (5-3),$$

$$\left(7+\frac{5}{5}\right)3,\ (7+\text{Log}[5,5])\,3,\ (7+5)\bmod[5,3],\ (7+5)\,(5-3)\Big\}\Big\},$$

$$\Big\{\{3,5,5,8\},\Big\{\left(\frac{3}{5}5\right)8,\ ((3-5)+5)\,8,\ \frac{3}{\frac{5}{5}}8,\ \frac{3}{\text{Log}[5,5]}8,\ \left(3\times\frac{5}{5}\right)8,\ \frac{3\times5}{5}8,$$

$$(3\,\text{Log}[5,5])\,8,\ \text{mod}[3,5+5]\,8,\ (3+\text{mod}[5,5])\,8,\ \text{mod}[3+5,5]\,8,\ \text{mod}[\text{mod}[3,5],5]\,8,$$

$$\text{mod}\left[3^5,5\right]8,\ 3^{\frac{5}{5}}8,\ 3^{\text{Log}[5,5]}8,\ \text{root}[3,5]^5\,8,\ \text{root}\left[3,\frac{5}{5}\right]8,\ \text{root}[3,\text{Log}[5,5]]\,8,$$

$$\text{root}\left[3^5,5\right]8,\ (3-\text{mod}[5,5])\,8,\ (3-(5-5))\,8,\ (3+(5-5))\,8,\ ((3+5)-5)\,8,$$

$$\frac{3}{5}(5\times8),\ 3\left(\frac{5}{5}8\right),\ 3\,(\text{Log}[5,5]\,8),\ 3\,(\text{mod}[5,5]+8),\ 3\,((5-5)+8),\ \frac{3}{\frac{5}{5\times8}},\ \frac{3}{\frac{5}{\frac{5}{8}}},$$

$$\frac{3}{\frac{\text{Log}[5,5]}{8}},\ \frac{3}{\text{Log}[5,\text{root}[5,8]]},\ 3\,\frac{5}{\frac{5}{8}},\ \frac{3\times5}{\frac{5}{8}},\ 3\,\text{Log}\left[5,5^8\right],\ 3\times5^{\text{Log}[5,8]},\ 3\,(5-(5-8)),$$

$$\left(\frac{3}{5}8\right)5,\ \frac{3}{\frac{5}{8}}5,\ \frac{3}{5}(8\times5),\ \frac{3}{\frac{5}{8\times5}},\ \frac{3}{\frac{\frac{5}{8}}{5}},\ \frac{3}{\text{Log}\left[5^8,5\right]},\ (3\times5)\,\frac{8}{5},\ 3\left(5\times\frac{8}{5}\right),\ 3\,\frac{5\times8}{5},\ \frac{(3\times5)\,8}{5},$$

$$\frac{3\,(5\times8)}{5},\ 3\,\text{Log}[\text{root}[5,8],5],\ (3+5)\bmod[8,5],\ 3\,(5+\text{mod}[8,5]),\ (3+5)\,(8-5),$$

$$3\,(5+(8-5)),\ 3\,((5+8)-5),\ \left(3\times\frac{8}{5}\right)5,\ \frac{3\times8}{5}5,\ 3\left(\frac{8}{5}5\right),\ 3\,(\text{mod}[8,5]+5),$$

$$3\,((8-5)+5),\ (3\times8-5)+5,\ (3\times8)\,\frac{5}{5},\ 3\left(8\times\frac{5}{5}\right),\ 3\,\frac{8}{\frac{5}{5}},\ 3\,\frac{8}{\text{Log}[5,5]},\ 3\,\frac{8\times5}{5},\ \frac{(3\times8)\,5}{5},$$

$$\frac{3\times8}{\frac{5}{5}},\ \frac{3\times8}{\text{Log}[5,5]},\ \frac{3\,(8\times5)}{5},\ (3\times8)\,\text{Log}[5,5],\ 3\,(8\,\text{Log}[5,5]),\ 3\,(8+\text{mod}[5,5]),$$

$$3\times8+\text{mod}[5,5],\ 3\,\text{mod}[8,5+5],\ 3\times8^{\frac{5}{5}},\ 3\times8^{\text{Log}[5,5]},\ (3\times8)^{\frac{5}{5}},\ (3\times8)^{\text{Log}[5,5]},$$

$$3\,\text{root}[8,5]^5,\ \text{root}[3\times8,5]^5,\ 3\,\text{root}\left[8,\frac{5}{5}\right],\ 3\,\text{root}[8,\text{Log}[5,5]],\ \text{root}\left[3\times8,\frac{5}{5}\right],$$

$$\text{root}[3\times8,\text{Log}[5,5]],\ 3\,\text{root}\left[8^5,5\right],\ \text{root}\left[(3\times8)^5,5\right],\ 3\,(8+(5-5)),\ 3\times8+(5-5),$$

$$3\,(8-\text{mod}[5,5]),\ 3\,(8-(5-5)),\ 3\times8-\text{mod}[5,5],\ 3\times8-(5-5),\ 3\,((8+5)-5),$$

$$(3\times8+5)-5,\ \left(5\times\frac{3}{5}\right)8,\ \frac{5\times3}{5}8,\ \text{Log}[\text{root}[5,3],5]\,8,\ \text{mod}[5+3,5]\,8,\ (5+(3-5))\,8,$$

$$((5+3)-5)\,8,\ 5\left(\frac{3}{5}8\right),\ 5\,\frac{3}{\frac{5}{8}},\ \frac{5\times3}{\frac{5}{8}},\ \text{mod}[5,3]^5-8,\ (5-3)^5-8,\ (5\times3)\,\frac{8}{5},\ 5\left(3\times\frac{8}{5}\right),$$

$$5\,\frac{3\times8}{5},\ \frac{(5\times3)\,8}{5},\ \frac{5\,(3\times8)}{5},\ (5+3)\,\text{mod}[8,5],\ (5+3)\,(8-5),\ 5+(3\times8-5),$$

$$(5+3\times8)-5,\ \left(\frac{5}{5}3\right)8,\ (\text{Log}[5,5]\,3)\,8,\ (\text{mod}[5,5]+3)\,8,\ ((5-5)+3)\,8,\ \frac{5}{\frac{5}{3}}8,$$

$$\text{Log}\left[5,5^3\right]8,\ 5^{\text{Log}[5,3]}8,\ (5-\text{mod}[5,3])\,8,\ (5-(5-3))\,8,\ \frac{5}{5}(3\times8),\ \text{Log}[5,5]\,(3\times8),$$

$$\text{mod}[5,5]+3\times8,\ (5-5)+3\times8,\ \frac{5}{\frac{5}{3\times8}},\ \frac{5}{\frac{5}{\frac{3}{8}}},\ \text{Log}\left[5,\left(5^3\right)^8\right],\ 5^{\text{Log}[5,3\times8]},\ 5-(5-3\times8),$$

$$\left(\frac{5}{5}\,8\right)\,3,\ (\text{Log}[5,\,5]\ 8)\ 3,\ (\text{mod}[5,\,5]+8)\ 3,\ ((5-5)+8)\ 3,\ \frac{5}{\frac{5}{8}}\,3,\ \text{Log}\left[5,\,5^8\right]\ 3,\ 5^{\text{Log}[5,8]}\ 3,$$

$$(5-(5-8))\ 3,\ \frac{5}{5}\ (8\times 3),\ \text{Log}[5,\,5]\ (8\times 3),\ \text{mod}[5,\,5]+8\times 3,\ (5-5)+8\times 3,\ \frac{5}{\frac{5}{8\times 3}},$$

$$\frac{5}{\frac{\frac{5}{8}}{3}},\ \text{Log}\left[5,\,\left(5^8\right)^3\right],\ 5^{\text{Log}[5,8\times 3]},\ 5-(5-8\times 3),\ (5\times 8)\ \frac{3}{5},\ 5\ \left(8\times\frac{3}{5}\right),\ 5\ \frac{8\times 3}{5},\ \frac{(5\times 8)\ 3}{5},$$

$$\frac{5\ (8\times 3)}{5},\ 5+(8\times 3-5),\ (5+8\times 3)-5,\ \left(5\times\frac{8}{5}\right)\,3,\ \frac{5\times 8}{5}\,3,\ \text{Log}[\text{root}[5,\,8],\,5]\,3,$$

$$(5+\text{mod}[8,\,5])\ 3,\ (5+(8-5))\ 3,\ ((5+8)-5)\ 3,\ 5\ \left(\frac{8}{5}\,3\right),\ 5\ \frac{8}{\frac{5}{3}},\ \frac{5\times 8}{\frac{5}{3}},\ \left(8\times\frac{3}{5}\right)\,5,$$

$$\frac{8\times 3}{5}\,5,\ 8\ \left(\frac{3}{5}\,5\right),\ 8\ ((3-5)+5),\ (8\times 3-5)+5,\ 8\ \frac{3}{\frac{5}{5}},\ 8\ \frac{3}{\text{Log}[5,\,5]},\ (8\times 3)\ \frac{5}{5},\ 8\ \left(3\times\frac{5}{5}\right),$$

$$\frac{8\times 3}{\frac{5}{5}},\ \frac{8\times 3}{\text{Log}[5,\,5]},\ 8\ \frac{3\times 5}{5},\ \frac{(8\times 3)\ 5}{5},\ \frac{8\ (3\times 5)}{5},\ (8\times 3)\ \text{Log}[5,\,5],\ 8\ (3\,\text{Log}[5,\,5]),$$

$$8\,\text{mod}[3,\,5+5],\ 8\ (3+\text{mod}[5,\,5]),\ 8\times 3+\text{mod}[5,\,5],\ 8\,\text{mod}[3+5,\,5],\ 8\,\text{mod}[\text{mod}[3,\,5],\,5],$$

$$8\,\text{mod}\left[3^5,\,5\right],\ 8\times 3^{\frac{5}{5}},\ 8\times 3^{\text{Log}[5,5]},\ (8\times 3)^{\frac{5}{5}},\ (8\times 3)^{\text{Log}[5,5]},\ 8\,\text{root}[3,\,5]^5,\ \text{root}[8\times 3,\,5]^5,$$

$$8\,\text{root}\left[3,\,\frac{5}{5}\right],\ 8\,\text{root}[3,\,\text{Log}[5,\,5]],\ \text{root}\left[8\times 3,\,\frac{5}{5}\right],\ \text{root}[8\times 3,\,\text{Log}[5,\,5]],$$

$$8\,\text{root}\left[3^5,\,5\right],\ \text{root}\left[(8\times 3)^5,\,5\right],\ 8\ (3-\text{mod}[5,\,5]),\ 8\ (3-(5-5)),\ 8\ (3+(5-5)),$$

$$8\times 3+(5-5),\ 8\times 3-\text{mod}[5,\,5],\ 8\times 3-(5-5),\ 8\ ((3+5)-5),\ (8\times 3+5)-5,\ \left(\frac{8}{5}\,3\right)\,5,$$

$$\frac{8}{\frac{5}{3}}\,5,\ \frac{8}{5}\ (3\times 5),\ \text{mod}[8,\,5]\ (3+5),\ (8-5)\ (3+5),\ (8\times 5)\ \frac{3}{5},\ 8\ \left(5\times\frac{3}{5}\right),\ \frac{8}{\frac{5}{3\times 5}},\ \frac{8}{\frac{5}{\frac{3}{5}}},$$

$$\frac{8}{\text{Log}\left[5^3,\,5\right]},\ 8\ \frac{5\times 3}{5},\ \frac{(8\times 5)\ 3}{5},\ \frac{8\ (5\times 3)}{5},\ 8\,\text{Log}[\text{root}[5,\,3],\,5],\ 8\,\text{mod}[5+3,\,5],$$

$$8\ (5+(3-5)),\ 8\ ((5+3)-5),\ \left(\frac{8}{5}\,5\right)\,3,\ (\text{mod}[8,\,5]+5)\ 3,\ ((8-5)+5)\ 3,\ \left(8\times\frac{5}{5}\right)\,3,\ \frac{8}{\frac{5}{5}}\,3,$$

$$\frac{8}{\text{Log}[5,\,5]}\,3,\ \frac{8\times 5}{5}\,3,\ (8\,\text{Log}[5,\,5])\ 3,\ (8+\text{mod}[5,\,5])\ 3,\ \text{mod}[8,\,5+5]\ 3,\ 8^{\frac{5}{5}}\,3,\ 8^{\text{Log}[5,5]}\,3,$$

$$\text{root}[8,\,5]^5\,3,\ \text{root}\left[8,\,\frac{5}{5}\right]\,3,\ \text{root}[8,\,\text{Log}[5,\,5]]\,3,\ \text{root}\left[8^5,\,5\right]\,3,\ (8+(5-5))\ 3,$$

$$(8-\text{mod}[5,\,5])\ 3,\ (8-(5-5))\ 3,\ ((8+5)-5)\ 3,\ \frac{8}{5}\ (5\times 3),\ 8\ \left(\frac{5}{5}\,3\right),\ 8\ (\text{Log}[5,\,5]\ 3),$$

$$\text{mod}[8,\,5]\ (5+3),\ (8-5)\ (5+3),\ 8\ (\text{mod}[5,\,5]+3),\ 8\ ((5-5)+3),\ 8\ \frac{5}{\frac{5}{3}},\ \frac{8}{\frac{5}{5\times 3}},\ \frac{8}{\frac{\frac{5}{5}}{3}},\ \frac{8}{\frac{\text{Log}[5,5]}{3}},$$

$$\frac{8}{\text{Log}[5,\,\text{root}[5,\,3]]},\ \frac{8\times 5}{\frac{5}{3}},\ 8\,\text{Log}\left[5,\,5^3\right],\ 8\times 5^{\text{Log}[5,3]},\ 8\ (5-\text{mod}[5,\,3]),\ 8\ (5-(5-3))\Big\}\Big\},$$

$$\left\{\{3, 5, 5, 9\}, \left\{\text{mod}[3, 5]\ 5 + 9,\ \left(3 + \frac{9}{5}\right) 5,\ 3\ \left(9 - \frac{5}{5}\right),\ 3\ (9 - \text{Log}[5, 5]),\ 5\ \text{mod}[3, 5] + 9,\right.\right.$$
$$\left.\left. 5\ \left(3 + \frac{9}{5}\right),\ 5\ \left(\frac{9}{5} + 3\right),\ 9 + \text{mod}[3, 5]\ 5,\ \left(\frac{9}{5} + 3\right) 5,\ 9 + 5\ \text{mod}[3, 5],\ \left(9 - \frac{5}{5}\right) 3,\ (9 - \text{Log}[5, 5])\ 3\right\}\right\},$$
$$\{\{3, 5, 5, 10\}, \{5 \times 5 - \text{mod}[10, 3]\}\}, \left\{\{3, 5, 6, 6\},\right.$$
$$\left\{((3 - 5) + 6)\ 6,\ (3 - (5 - 6))\ 6,\ \text{mod}[3, 5]\ 6 + 6,\ (3 + \text{mod}[6, 5])\ 6,\ \text{mod}[3 + 6, 5]\ 6,\ \text{mod}\left[3^6, 5\right] 6,\right.$$
$$(3 + (6 - 5))\ 6,\ ((3 + 6) - 5)\ 6,\ \text{mod}[5, 3]\ (6 + 6),\ (5 - 3)\ (6 + 6),\ \text{mod}[6 + 3, 5]\ 6,$$
$$(6 + (3 - 5))\ 6,\ ((6 + 3) - 5)\ 6,\ 6\ \text{mod}[3, 5] + 6,\ 6\ ((3 - 5) + 6),\ 6 + \text{mod}[3, 5]\ 6,$$
$$6\ (3 - (5 - 6)),\ 6\ (3 + \text{mod}[6, 5]),\ 6\ \text{mod}[3 + 6, 5],\ 6\ \text{mod}\left[3^6, 5\right],\ 6\ (3 + (6 - 5)),$$
$$6\ ((3 + 6) - 5),\ (\text{mod}[6, 5] + 3)\ 6,\ ((6 - 5) + 3)\ 6,\ (6 - \text{mod}[5, 3])\ 6,\ (6 - (5 - 3))\ 6,$$
$$6 + 6\ \text{mod}[3, 5],\ 6\ \text{mod}[6 + 3, 5],\ 6\ (6 + (3 - 5)),\ 6\ ((6 + 3) - 5),\ 6\ (\text{mod}[6, 5] + 3),$$
$$\left.6\ ((6 - 5) + 3),\ (6 + 6)\ \text{mod}[5, 3],\ (6 + 6)\ (5 - 3),\ 6\ (6 - \text{mod}[5, 3]),\ 6\ (6 - (5 - 3))\right\}\},$$
$$\left\{\{3, 5, 6, 7\}, \left\{3\ (\text{mod}[6, 5] + 7),\ 3\ ((6 - 5) + 7),\ 3\ (6 - (5 - 7)),\ 3\ (6 + \text{mod}[7, 5]),\right.\right.$$
$$3\ (6 + (7 - 5)),\ 3\ ((6 + 7) - 5),\ 3\ (\text{mod}[7, 5] + 6),\ 3\ ((7 - 5) + 6),\ 3\ (7 - (5 - 6)),$$
$$3\ (7 + \text{mod}[6, 5]),\ 3\ (7 + (6 - 5)),\ 3\ ((7 + 6) - 5),\ \frac{5 + 7}{3}\ 6,\ (5 - \text{mod}[7, 3])\ 6,$$
$$\frac{5 + 7}{\frac{3}{6}},\ (5 + 7)\ \frac{6}{3},\ \frac{(5 + 7)\ 6}{3},\ \frac{6}{3}\ (5 + 7),\ \frac{6}{\frac{3}{5+7}},\ \frac{6}{3}\ (7 + 5),\ \frac{6}{\frac{3}{7+5}},\ (\text{mod}[6, 5] + 7)\ 3,$$
$$((6 - 5) + 7)\ 3,\ (6 - (5 - 7))\ 3,\ 6\ \frac{5 + 7}{3},\ \frac{6\ (5 + 7)}{3},\ 6\ (5 - \text{mod}[7, 3]),\ 6\ \text{mod}[7 - 3, 5],$$
$$6\ (7 - \text{mod}[3, 5]),\ (6 + \text{mod}[7, 5])\ 3,\ (6 + (7 - 5))\ 3,\ ((6 + 7) - 5)\ 3,\ 6\ \frac{7 + 5}{3},\ \frac{6\ (7 + 5)}{3},$$
$$\text{mod}[7 - 3, 5]\ 6,\ (7 - \text{mod}[3, 5])\ 6,\ \frac{7 + 5}{3}\ 6,\ \frac{7 + 5}{\frac{3}{6}},\ (\text{mod}[7, 5] + 6)\ 3,\ ((7 - 5) + 6)\ 3,$$
$$\left.(7 - (5 - 6))\ 3,\ (7 + 5)\ \frac{6}{3},\ \frac{(7 + 5)\ 6}{3},\ (7 + \text{mod}[6, 5])\ 3,\ (7 + (6 - 5))\ 3,\ ((7 + 6) - 5)\ 3\right\}\},$$
$$\left\{\{3, 5, 6, 8\}, \left\{\text{mod}[3, 5 + 6]\ 8,\ \text{mod}[3, \text{mod}[5, 6]]\ 8,\ \text{mod}[3 \times 5, 6]\ 8,\ \text{mod}[\text{mod}[3, 5], 6]\ 8,\right.\right.$$
$$\text{mod}\left[3^5, 6\right] 8,\ \frac{3}{\text{mod}[6, 5]}\ 8,\ \frac{3}{6 - 5}\ 8,\ \text{mod}[3, 6 + 5]\ 8,\ (3\ \text{mod}[6, 5])\ 8,\ \text{mod}[3 \times 6, 5]\ 8,$$
$$\text{mod}[\text{mod}[3, 6], 5]\ 8,\ 3^{\text{mod}[6,5]}\ 8,\ 3^{6-5}\ 8,\ \text{root}[3, \text{mod}[6, 5]]\ 8,\ \text{root}[3, 6 - 5]\ 8,$$
$$(3\ (6 - 5))\ 8,\ 3\ (\text{mod}[6, 5]\ 8),\ 3\ ((6 - 5)\ 8),\ \frac{3}{\frac{\text{mod}[6,5]}{8}},\ \frac{3}{\frac{6-5}{8}},\ \text{mod}[3 \times 8, 5]\ 6,\ \frac{3}{8^{5-6}},$$
$$\frac{3}{\text{root}[8, 5 - 6]},\ 3\ \text{mod}[8, 5 + 6],\ 3\ \frac{8}{\text{mod}[6, 5]},\ 3\ \frac{8}{6 - 5},\ \frac{3 \times 8}{\text{mod}[6, 5]},\ \frac{3 \times 8}{6 - 5},\ (3 \times 8)\ \text{mod}[6, 5],$$
$$3\ (8\ \text{mod}[6, 5]),\ 3\ \text{mod}[8, 6 + 5],\ 3 \times 8^{\text{mod}[6,5]},\ 3 \times 8^{6-5},\ (3 \times 8)^{\text{mod}[6,5]},\ (3 \times 8)^{6-5},$$
$$3\ \text{root}[8, \text{mod}[6, 5]],\ 3\ \text{root}[8, 6 - 5],\ \text{root}[3 \times 8, \text{mod}[6, 5]],\ \text{root}[3 \times 8, 6 - 5],$$
$$(3 \times 8)\ (6 - 5),\ 3\ (8\ (6 - 5)),\ \text{mod}[5 \times 3, 6]\ 8,\ \left(5 - \frac{6}{3}\right) 8,\ \text{mod}[6 \times 3, 5]\ 8,\ \text{mod}[6 - 3, 5]\ 8,$$
$$(6 - \text{mod}[3, 5])\ 8,\ \left(\frac{6}{3}\right)^5 - 8,\ 6\ \text{mod}[3 \times 8, 5],\ (\text{mod}[6, 5]\ 3)\ 8,\ ((6 - 5)\ 3)\ 8,\ \frac{6}{\text{mod}[5, 3]}\ 8,$$
$$\frac{6}{5 - 3}\ 8,\ \text{mod}[6, 5]\ (3 \times 8),\ (6 - 5)\ (3 \times 8),\ \frac{6}{\frac{\text{mod}[5,3]}{8}},\ \frac{6}{\frac{5-3}{8}},\ (\text{mod}[6, 5]\ 8)\ 3,\ ((6 - 5)\ 8)\ 3,$$
$$\text{mod}[6, 5]\ (8 \times 3),\ (6 - 5)\ (8 \times 3),\ 6\ \text{mod}[8 \times 3, 5],\ 6\ \frac{8}{\text{mod}[5, 3]},\ 6\ \frac{8}{5 - 3},\ \frac{6 \times 8}{\text{mod}[5, 3]},$$

$$\frac{6\times 8}{5-3},\ \text{mod}[8\times 3,\ 5]\ 6,\ \frac{8}{3^{5-6}},\ \frac{8}{\text{root}[3,\ 5-6]},\ 8\ \text{mod}[3,\ 5+6],\ 8\ \text{mod}[3,\ \text{mod}[5,\ 6]],$$

$$8\ \text{mod}[3\times 5,\ 6],\ 8\ \text{mod}[\text{mod}[3,\ 5],\ 6],\ 8\ \text{mod}\left[3^5,\ 6\right],\ 8\ \frac{3}{\text{mod}[6,\ 5]},\ 8\ \frac{3}{6-5},\ \frac{8\times 3}{\text{mod}[6,\ 5]},$$

$$\frac{8\times 3}{6-5},\ 8\ \text{mod}[3,\ 6+5],\ (8\times 3)\ \text{mod}[6,\ 5],\ 8\ (3\ \text{mod}[6,\ 5]),\ 8\ \text{mod}[3\times 6,\ 5],$$
$$8\ \text{mod}[\text{mod}[3,\ 6],\ 5],\ 8\times 3^{\text{mod}[6,5]},\ 8\times 3^{6-5},\ (8\times 3)^{\text{mod}[6,5]},\ (8\times 3)^{6-5},\ 8\ \text{root}[3,\ \text{mod}[6,\ 5]],$$
$$8\ \text{root}[3,\ 6-5],\ \text{root}[8\times 3,\ \text{mod}[6,\ 5]],\ \text{root}[8\times 3,\ 6-5],\ (8\times 3)\ (6-5),\ 8\ (3\ (6-5)),$$
$$\frac{8}{\text{mod}[5,\ 3]}\ 6,\ \frac{8}{5-3}\ 6,\ \frac{8}{\frac{\text{mod}[5,3]}{6}},\ \frac{8}{\frac{5-3}{6}},\ 8\ \text{mod}[5\times 3,\ 6],\ \text{mod}[8,\ 5+6]\ 3,\ 8\left(5-\frac{6}{3}\right),$$

$$8\ \text{mod}[6\times 3,\ 5],\ 8\ \text{mod}[6-3,\ 5],\ 8\ (6-\text{mod}[3,\ 5]),\ \frac{8}{\text{mod}[6,\ 5]}\ 3,\ \frac{8}{6-5}\ 3,\ (8\ \text{mod}[6,\ 5])\ 3,$$

$$\text{mod}[8,\ 6+5]\ 3,\ 8^{\text{mod}[6,5]}\ 3,\ 8^{6-5}\ 3,\ \text{root}[8,\ \text{mod}[6,\ 5]]\ 3,\ \text{root}[8,\ 6-5]\ 3,\ (8\ (6-5))\ 3,$$
$$8\ (\text{mod}[6,\ 5]\ 3),\ 8\ ((6-5)\ 3),\ 8\ \frac{6}{\text{mod}[5,\ 3]},\ 8\ \frac{6}{5-3},\ \frac{8}{\frac{\text{mod}[6,5]}{3}},\ \frac{8}{\frac{6-5}{3}},\ \frac{8\times 6}{\text{mod}[5,\ 3]},\ \frac{8\times 6}{5-3}\Big\}\Big\},$$

$$\Big\{\{3,\ 5,\ 6,\ 9\},\ \Big\{3\ \text{mod}[5,\ 6]+9,\ 3\ ((5-6)+9),\ 3\ (5-(6-9)),\ 3+(5\times 6-9),\ 3\ (5+6)-9,$$
$$(3+5\times 6)-9,\ (3+5)\ \text{mod}[9,\ 6],\ 3\ (5+\text{mod}[9,\ 6]),\ (3+5)\ (9-6),\ 3\ (5+(9-6)),$$
$$3\ ((5+9)-6),\ \text{mod}[3,\ 6]\ 5+9,\ 3+(6\times 5-9),\ 3\ (6+5)-9,\ (3+6\times 5)-9,\ (3-9)+5\times 6,$$
$$3-(9-5\times 6),\ 3\ (9+(5-6)),\ 3\ ((9+5)-6),\ 3\ (\text{mod}[9,\ 6]+5),\ 3\ ((9-6)+5),\ (3-9)+6\times 5,$$
$$3-(9-6\times 5),\ 3\ (9-\text{mod}[6,\ 5]),\ 3\ (9-(6-5)),\ 5\ \text{mod}[3,\ 6]+9,\ \text{mod}[5,\ 3]\ 9+6,$$
$$(5-3)\ 9+6,\ (5+3)\ \text{mod}[9,\ 6],\ (5+3)\ (9-6),\ \text{mod}[5,\ 6]\ 3+9,\ 5\ (6-3)+9,\ 5\times 6+(3-9),$$
$$(5+6)\ 3-9,\ (5\times 6+3)-9,\ ((5-6)+9)\ 3,\ (5-(6-9))\ 3,\ (5\times 6-9)+3,\ 5\times 6-(9-3),$$
$$5\ (9-3)-6,\ (5+\text{mod}[9,\ 6])\ 3,\ (5+(9-6))\ 3,\ ((5+9)-6)\ 3,\ (6-3)\ 5+9,\ \frac{6^{\text{mod}[3,5]}}{9},$$
$$6-(3-5)\ 9,\ 6+\text{mod}[5,\ 3]\ 9,\ 6+(5-3)\ 9,\ 6\times 5+(3-9),\ (6+5)\ 3-9,\ (6\times 5+3)-9,$$
$$(6\times 5-9)+3,\ 6\times 5-(9-3),\ 6\ \text{mod}\left[9^3,\ 5\right],\ 6-9\ (3-5),\ 6+9\ \text{mod}[5,\ 3],\ 6+9\ (5-3),$$
$$\text{mod}\left[9^3,\ 5\right]\ 6,\ 9+3\ \text{mod}[5,\ 6],\ (9-3)\ 5-6,\ 9+\text{mod}[3,\ 6]\ 5,\ 9-(3-6)\ 5,\ 9\ \text{mod}[5,\ 3]+6,$$
$$9\ (5-3)+6,\ 9+5\ \text{mod}[3,\ 6],\ 9-5\ (3-6),\ (9+(5-6))\ 3,\ ((9+5)-6)\ 3,\ 9+\text{mod}[5,\ 6]\ 3,$$
$$9+5\ (6-3),\ \text{mod}[9,\ 6]\ (3+5),\ (9-6)\ (3+5),\ 9+(6-3)\ 5,\ (\text{mod}[9,\ 6]+5)\ 3,$$
$$((9-6)+5)\ 3,\ (9-\text{mod}[6,\ 5])\ 3,\ (9-(6-5))\ 3,\ \text{mod}[9,\ 6]\ (5+3),\ (9-6)\ (5+3)\Big\}\Big\},$$

$$\Big\{\{3,\ 5,\ 6,\ 10\},\ \Big\{((3+5)+6)+10,\ (3+(5+6))+10,\ (3+5)+(6+10),\ 3+((5+6)+10),$$
$$3+(5+(6+10)),\ ((3+5)+10)+6,\ (3+(5+10))+6,\ (3+5)+(10+6),\ 3+((5+10)+6),$$
$$3+(5+(10+6)),\ \text{mod}[3,\ 5]\ 10-6,\ ((3+6)+5)+10,\ (3+(6+5))+10,\ (3+6)+(5+10),$$
$$3+((6+5)+10),\ 3+(6+(5+10)),\ ((3+6)+10)+5,\ (3+(6+10))+5,\ (3+6)+(10+5),$$
$$3+((6+10)+5),\ 3+(6+(10+5)),\ 3\left(6+\frac{10}{5}\right),\ \text{mod}\left[3^{10},\ 5\right]\ 6,\ ((3+10)+5)+6,$$
$$(3+(10+5))+6,\ 3\left(\frac{10}{5}+6\right),\ (3+10)+(5+6),\ 3+((10+5)+6),\ 3+(10+(5+6)),$$
$$((3+10)+6)+5,\ (3+(10+6))+5,\ (3+10)+(6+5),\ 3+((10+6)+5),\ 3+(10+(6+5)),$$
$$((5+3)+6)+10,\ (5+(3+6))+10,\ (5+3)+(6+10),\ 5+((3+6)+10),\ 5+(3+(6+10)),$$
$$((5+3)+10)+6,\ (5+(3+10))+6,\ (5+3)+(10+6),\ 5+((3+10)+6),\ 5+(3+(10+6)),$$
$$((5+6)+3)+10,\ (5+(6+3))+10,\ (5+6)+(3+10),\ 5+((6+3)+10),\ 5+(6+(3+10)),$$
$$((5+6)+10)+3,\ (5+(6+10))+3,\ (5+6)+(10+3),\ 5+((6+10)+3),\ 5+(6+(10+3)),$$
$$(5-\text{mod}[10,\ 3])\ 6,\ ((5+10)+3)+6,\ (5+(10+3))+6,\ (5+10)+(3+6),$$
$$5+((10+3)+6),\ 5+(10+(3+6)),\ ((5+10)+6)+3,\ (5+(10+6))+3,\ (5+10)+(6+3),$$
$$5+((10+6)+3),\ 5+(10+(6+3)),\ ((6+3)+5)+10,\ (6+(3+5))+10,\ (6+3)+(5+10),$$
$$6+((3+5)+10),\ 6+(3+(5+10)),\ ((6+3)+10)+5,\ (6+(3+10))+5,\ (6+3)+(10+5),$$
$$6+((3+10)+5),\ 6+(3+(10+5)),\ 6\ \text{mod}\left[3^{10},\ 5\right],\ ((6+5)+3)+10,\ (6+(5+3))+10,$$
$$(6+5)+(3+10),\ 6+((5+3)+10),\ 6+(5+(3+10)),\ ((6+5)+10)+3,\ (6+(5+10))+3,$$
$$(6+5)+(10+3),\ 6+((5+10)+3),\ 6+(5+(10+3)),\ 6\ (5-\text{mod}[10,\ 3]),$$
$$((6+10)+3)+5,\ (6+(10+3))+5,\ (6+10)+(3+5),\ 6+((10+3)+5),\ 6+(10+(3+5)),$$

$$\left(6+\frac{10}{5}\right)\ 3,\ ((6+10)+5)+3,\ (6+(10+5))+3,\ (6+10)+(5+3),\ 6+((10+5)+3),$$
$$6+(10+(5+3)),\ ((10+3)+5)+6,\ (10+(3+5))+6,\ (10+3)+(5+6),\ 10+((3+5)+6),$$
$$10+(3+(5+6)),\ 10\bmod[3,5]-6,\ ((10+3)+6)+5,\ (10+(3+6))+5,\ (10+3)+(6+5),$$
$$10+((3+6)+5),\ 10+(3+(6+5)),\ ((10+5)+3)+6,\ (10+(5+3))+6,\ (10+5)+(3+6),$$
$$10+((5+3)+6),\ 10+(5+(3+6)),\ \left(\frac{10}{5}+6\right)\ 3,\ ((10+5)+6)+3,\ (10+(5+6))+3,$$
$$(10+5)+(6+3),\ 10+((5+6)+3),\ 10+(5+(6+3)),\ ((10+6)+3)+5,\ (10+(6+3))+5,$$
$$(10+6)+(3+5),\ 10+((6+3)+5),\ 10+(6+(3+5)),\ ((10+6)+5)+3,\ (10+(6+5))+3,$$
$$(10+6)+(5+3),\ 10+((6+5)+3),\ 10+(6+(5+3))\Big\}\Big\},\ \{\{3,5,7,7\},\{\}\},$$

$$\Big\{\{3,5,7,8\},\ \Big\{\bmod[3,5+7]\ 8,\ \bmod[3,\bmod[5,7]]\ 8,\ \bmod[\bmod[3,5],7]\ 8,\ 3-(5-8)\ 7,$$
$$\bmod[3,7+5]\ 8,\ \bmod[\bmod[3,7],5]\ 8,\ (3\times7-5)+8,\ 3-7\ (5-8),\ 3\times7-(5-8),$$
$$3\times7+\bmod[8,5],\ 3+7\bmod[8,5],\ 3\times7+(8-5),\ 3+7\ (8-5),\ (3\times7+8)-5,$$
$$3+\bmod[8,5]\ 7,\ 3+(8-5)\ 7,\ 3\bmod[8,5+7],\ 3\bmod[8,7+5],\ 5\times7-(3+8),\ (5\times7-3)-8,$$
$$(5+7)\bmod[8,3],\ (5+7)\ \text{root}[8,3],\ 5\times7-(8+3),\ (5\times7-8)-3,\ \bmod\left[7^3,5\right]\ 8,$$
$$(7\times3-5)+8,\ 7\times3-(5-8),\ 7\times3+\bmod[8,5],\ 7\times3+(8-5),\ (7\times3+8)-5,\ 7\times5-(3+8),$$
$$(7\times5-3)-8,\ (7+5)\bmod[8,3],\ (7+5)\ \text{root}[8,3],\ 7\times5-(8+3),\ (7\times5-8)-3,$$
$$7\bmod[8,5]+3,\ 7\ (8-5)+3,\ \bmod[8,3]\ (5+7),\ \text{root}[8,3]\ (5+7),\ 8\bmod[3,5+7],$$
$$8\bmod[3,\bmod[5,7]],\ 8\bmod[\bmod[3,5],7],\ \bmod[8,3]\ (7+5),\ \text{root}[8,3]\ (7+5),$$
$$8\bmod[3,7+5],\ 8\bmod[\bmod[3,7],5],\ 8+(3\times7-5),\ (8+3\times7)-5,\ \bmod[8,5]+3\times7,$$
$$(8-5)+3\times7,\ 8-(5-3\times7),\ \bmod[8,5+7]\ 3,\ \bmod[8,5]\ 7+3,\ (8-5)\ 7+3,\ \bmod[8,5]+7\times3,$$
$$(8-5)+7\times3,\ 8-(5-7\times3),\ 8\bmod\left[7^3,5\right],\ 8+(7\times3-5),\ (8+7\times3)-5,\ \bmod[8,7+5]\ 3\Big\}\Big\},$$

$$\Big\{\{3,5,7,9\},\ \Big\{((3+5)+7)+9,\ (3+(5+7))+9,\ 3\bmod[5,7]+9,\ (3+5)+(7+9),$$
$$3+((5+7)+9),\ 3+(5+(7+9)),\ 3\bmod[5\times7,9],\ ((3+5)+9)+7,\ (3+(5+9))+7,$$
$$(3+5)+(9+7),\ 3+((5+9)+7),\ 3+(5+(9+7)),\ \bmod[3,7]\ 5+9,\ ((3+7)+5)+9,$$
$$(3+(7+5))+9,\ (3+7)+(5+9),\ 3+((7+5)+9),\ 3+(7+(5+9)),\ 3\bmod[7\times5,9],$$
$$((3+7)+9)+5,\ (3+(7+9))+5,\ (3+7)+(9+5),\ 3+((7+9)+5),\ 3+(7+(9+5)),$$
$$\text{Log}[3,9]\ (5+7),\ ((3+9)+5)+7,\ (3+(9+5))+7,\ (3+9)+(5+7),\ 3+((9+5)+7),$$
$$3+(9+(5+7)),\ \text{Log}\left[3,9^{5+7}\right],\ \text{Log}[3,9]\ (7+5),\ ((3+9)+7)+5,\ (3+(9+7))+5,$$
$$(3+9)+(7+5),\ 3+((9+7)+5),\ 3+(9+(7+5)),\ \text{Log}\left[3,9^{7+5}\right],\ (3+9)\bmod[7,5],$$
$$(3+9)\ (7-5),\ ((5+3)+7)+9,\ (5+(3+7))+9,\ 5\bmod[3,7]+9,\ (5+3)+(7+9),$$
$$5+((3+7)+9),\ 5+(3+(7+9)),\ ((5+3)+9)+7,\ (5+(3+9))+7,\ (5+3)+(9+7),$$
$$5+((3+9)+7),\ 5+(3+(9+7)),\ \left(5-\frac{7}{3}\right)\ 9,\ \bmod[5,7]\ 3+9,\ ((5+7)+3)+9,$$
$$(5+(7+3))+9,\ (5+7)+(3+9),\ 5+((7+3)+9),\ 5+(7+(3+9)),\ (5+7)\ \text{Log}[3,9],$$
$$\bmod[5\times7,9]\ 3,\ ((5+7)+9)+3,\ (5+(7+9))+3,\ (5+7)+(9+3),\ 5+((7+9)+3),$$
$$5+(7+(9+3)),\ \frac{5+7}{\text{Log}[9,3]},\ ((5+9)+3)+7,\ (5+(9+3))+7,\ (5+9)+(3+7),$$
$$5+((9+3)+7),\ 5+(9+(3+7)),\ 5\times9-3\times7,\ ((5+9)+7)+3,\ (5+(9+7))+3,$$
$$(5+9)+(7+3),\ 5+((9+7)+3),\ 5+(9+(7+3)),\ 5\times9-7\times3,\ ((7+3)+5)+9,$$
$$(7+(3+5))+9,\ (7+3)+(5+9),\ 7+((3+5)+9),\ 7+(3+(5+9)),\ ((7+3)+9)+5,$$
$$(7+(3+9))+5,\ (7+3)+(9+5),\ 7+((3+9)+5),\ 7+(3+(9+5)),\ \bmod[7,5]\ (3+9),$$
$$(7-5)\ (3+9),\ ((7+5)+3)+9,\ (7+(5+3))+9,\ (7+5)+(3+9),\ 7+((5+3)+9),$$
$$7+(5+(3+9)),\ (7+5)\ \text{Log}[3,9],\ \bmod[7\times5,9]\ 3,\ \bmod[7,5]\ (9+3),\ (7-5)\ (9+3),$$
$$((7+5)+9)+3,\ (7+(5+9))+3,\ (7+5)+(9+3),\ 7+((5+9)+3),\ 7+(5+(9+3)),$$
$$\frac{7+5}{\text{Log}[9,3]},\ ((7+9)+3)+5,\ (7+(9+3))+5,\ (7+9)+(3+5),\ 7+((9+3)+5),$$
$$7+(9+(3+5)),\ ((7+9)+5)+3,\ (7+(9+5))+3,\ (7+9)+(5+3),\ 7+((9+5)+3),$$
$$7+(9+(5+3)),\ ((9+3)+5)+7,\ (9+(3+5))+7,\ (9+3)+(5+7),\ 9+((3+5)+7),$$
$$9+(3+(5+7)),\ 9+3\bmod[5,7],\ ((9+3)+7)+5,\ (9+(3+7))+5,\ 9+\bmod[3,7]\ 5,$$
$$(9+3)+(7+5),\ 9+((3+7)+5),\ 9+(3+(7+5)),\ (9+3)\bmod[7,5],\ (9+3)\ (7-5),$$
$$((9+5)+3)+7,\ (9+(5+3))+7,\ (9+5)+(3+7),\ 9+((5+3)+7),\ 9+(5+(3+7)),$$
$$9+5\bmod[3,7],\ 9\times5-3\times7,\ ((9+5)+7)+3,\ (9+(5+7))+3,\ 9+\bmod[5,7]\ 3,$$
$$(9+5)+(7+3),\ 9+((5+7)+3),\ 9+(5+(7+3)),\ 9\left(5-\frac{7}{3}\right),\ 9\times5-7\times3,$$

$$((9+7)+3)+5,\ (9+(7+3))+5,\ (9+7)+(3+5),\ 9+((7+3)+5),\ 9+(7+(3+5)),$$
$$((9+7)+5)+3,\ (9+(7+5))+3,\ (9+7)+(5+3),\ 9+((7+5)+3),\ 9+(7+(5+3))\}\},$$

$$\{\{3,5,7,10\},\{3((5-7)+10),\ 3(5-(7-10)),\ (3+5)\bmod[10,7],\ 3(5+\bmod[10,7]),$$
$$(3+5)(10-7),\ 3(5+(10-7)),\ 3((5+10)-7),\ 3(10+(5-7)),\ 3((10+5)-7),$$
$$3(\bmod[10,7]+5),\ 3((10-7)+5),\ 3(10-\bmod[7,5]),\ 3(10-(7-5)),$$
$$\bmod[5,3]\,7+10,\ (5-3)\,7+10,\ (5+3)\bmod[10,7],\ (5+3)(10-7),\ ((5-7)+10)\,3,$$
$$(5-(7-10))\,3,\ (5+\bmod[10,7])\,3,\ (5+(10-7))\,3,\ ((5+10)-7)\,3,$$
$$7\bmod[5,3]+10,\ 7(5-3)+10,\ 10-(3-5)\,7,\ 10+\bmod[5,3]\,7,\ 10+(5-3)\,7,$$
$$(10+(5-7))\,3,\ ((10+5)-7)\,3,\ \bmod[10,7](3+5),\ (10-7)(3+5),\ 10-7(3-5),$$
$$(\bmod[10,7]+5)\,3,\ ((10-7)+5)\,3,\ (10-\bmod[7,5])\,3,\ (10-(7-5))\,3,$$
$$\bmod[10,7](5+3),\ (10-7)(5+3),\ 10+7\bmod[5,3],\ 10+7(5-3)\}\},$$

$$\Big\{\{3,5,8,8\},\Big\{\bmod[3,5+8]\,8,\ \bmod[3,\bmod[5,8]]\,8,\ \bmod[\bmod[3,5],8]\,8,\ \bmod\big[3^5,8\big]\,8,$$
$$((3+5)+8)+8,\ (3+(5+8))+8,\ (3+5)+(8+8),\ 3+((5+8)+8),\ 3+(5+(8+8)),$$
$$\bmod[3,8+5]\,8,\ \bmod[\bmod[3,8],5]\,8,\ ((3+8)+5)+8,\ (3+(8+5))+8,\ (3+8)+(5+8),$$
$$3+((8+5)+8),\ 3+(8+(5+8)),\ 3\bmod[8,5+8],\ ((3+8)+8)+5,\ (3+(8+8))+5,$$
$$(3+8)+(8+5),\ 3+((8+8)+5),\ 3+(8+(8+5)),\ 3\bmod[8,8+5],\ \text{Log}[\bmod[5,3],8]\,8,$$
$$\text{Log}[5-3,8]\,8,\ \bmod[5,3]\,8+8,\ (5-3)\,8+8,\ ((5+3)+8)+8,\ (5+(3+8))+8,$$
$$(5+3)+(8+8),\ 5+((3+8)+8),\ 5+(3+(8+8)),\ \text{Log}\big[\bmod[5,3],8^8\big],\ \text{Log}\big[5-3,8^8\big],$$
$$(5-\bmod[8,3])\,8,\ (5-\text{root}[8,3])\,8,\ ((5+8)+3)+8,\ (5+(8+3))+8,\ (5+8)+(3+8),$$
$$5+((8+3)+8),\ 5+(8+(3+8)),\ ((5+8)+8)+3,\ (5+(8+8))+3,\ (5+8)+(8+3),$$
$$5+((8+8)+3),\ 5+(8+(8+3)),\ ((8+3)+5)+8,\ (8+(3+5))+8,\ (8+3)+(5+8),$$
$$8+((3+5)+8),\ 8+(3+(5+8)),\ 8\bmod[3,5+8],\ 8\bmod[3,\bmod[5,8]],\ 8\bmod[\bmod[3,5],8],$$
$$8\bmod\big[3^5,8\big],\ 8-(3-5)\,8,\ \bmod[8,3]^5-8,\ \text{root}[8,3]^5-8,\ ((8+3)+8)+5,\ (8+(3+8))+5,$$
$$(8+3)+(8+5),\ 8+((3+8)+5),\ 8+(3+(8+5)),\ 8\bmod[3,8+5],\ 8\bmod[\bmod[3,8],5],$$
$$((8+5)+3)+8,\ (8+(5+3))+8,\ 8\bmod[5,3]+8,\ 8(5-3)+8,\ 8+\bmod[5,3]\,8,\ 8+(5-3)\,8,$$
$$(8+5)+(3+8),\ 8+((5+3)+8),\ 8+(5+(3+8)),\ 8\,\text{Log}[\bmod[5,3],8],\ 8\,\text{Log}[5-3,8],$$
$$8^{\frac{5}{3}}-8,\ \text{root}\big[8^5,3\big]-8,\ \bmod[8,5+8]\,3,\ ((8+5)+8)+3,\ (8+(5+8))+3,\ (8+5)+(8+3),$$
$$8+((5+8)+3),\ 8+(5+(8+3)),\ 8(5-\bmod[8,3]),\ 8(5-\text{root}[8,3]),\ ((8+8)+3)+5,$$
$$(8+(8+3))+5,\ (8+8)+(3+5),\ 8+((8+3)+5),\ 8+(8+(3+5)),\ 8-8(3-5),$$
$$\bmod[8,8+5]\,3,\ ((8+8)+5)+3,\ (8+(8+5))+3,\ (8+8)+(5+3),\ 8+((8+5)+3),$$
$$8+(8+(5+3)),\ \frac{8}{\text{Log}[8,\bmod[5,3]]},\ \frac{8}{\text{Log}[8,5-3]},\ 8+8\bmod[5,3],\ 8+8(5-3)\Big\}\Big\},$$

$$\Big\{\{3,5,8,9\},\Big\{3\bmod[5,8]+9,\ \bmod[3,5]\bmod[8,9],\ \bmod[3,5+9]\,8,\ \bmod[3,\bmod[5,9]]\,8,$$
$$\bmod[\bmod[3,5],9]\,8,\ \bmod[3,8]\,5+9,\ 3\bmod[8,5+9],\ 3\bmod\big[8^5,9\big],\ 3\bmod[8,9+5],$$
$$\bmod[3,9+5]\,8,\ \bmod[3,\bmod[9,5]]\,8,\ \bmod[3,9-5]\,8,\ \bmod[\bmod[3,9],5]\,8,\ \bmod\big[3^9,5\big]\,8,$$
$$3\times9+(5-8),\ (3\times9+5)-8,\ \text{Log}[3,9]^5-8,\ (3\times9-8)+5,\ 3\times9-\bmod[8,5],\ 3\times9-(8-5),$$
$$5\bmod[3,8]+9,\ (5-\text{Log}[3,9])\,8,\ 5+(3\times9-8),\ (5+3\times9)-8,\ \bmod[5,8]\,3+9,$$
$$(5-8)+3\times9,\ 5-(8-3\times9),\ (5-8)+9\times3,\ 5-(8-9\times3),\ 5+(9\times3-8),\ (5+9\times3)-8,$$
$$\frac{8}{\bmod[3,5]}\,9,\ \frac{8}{\frac{\bmod[3,5]}{9}},\ 8\bmod[3,5+9],\ 8\bmod[3,\bmod[5,9]],\ 8\bmod[\bmod[3,5],9],$$
$$8\bmod[3,9+5],\ 8\bmod[3,\bmod[9,5]],\ 8\bmod[3,9-5],\ 8\bmod[\bmod[3,9],5],$$
$$8\bmod\big[3^9,5\big],\ 8(5-\text{Log}[3,9]),\ \bmod[8,5+9]\,3,\ \bmod\big[8^5,9\big]\,3,\ \bmod[8,5]\,9-3,$$
$$(8-5)\,9-3,\ \frac{8}{\text{root}[9,3-5]},\ 8\,\frac{9}{\bmod[3,5]},\ \frac{8\times9}{\bmod[3,5]},\ \bmod[8,9]\bmod[3,5],$$
$$8\bmod\Big[\frac{9}{3},5\Big],\ \bmod[8,9+5]\,3,\ 8\,\text{root}[9,\bmod[5,3]],\ 8\,\text{root}[9,5-3],\ \frac{9}{\bmod[3,5]}\,8,$$
$$\bmod\Big[\frac{9}{3},5\Big]\,8,\ \frac{9}{\frac{\bmod[3,5]}{8}},\ 9+3\bmod[5,8],\ 9\times3+(5-8),\ (9\times3+5)-8,\ (9\times3-8)+5,$$
$$9+\bmod[3,8]\,5,\ 9\times3-\bmod[8,5],\ 9\times3-(8-5),\ \text{root}[9,\bmod[5,3]]\,8,\ \text{root}[9,5-3]\,8,$$
$$9+5\bmod[3,8],\ 9+\bmod[5,8]\,3,\ 9\,\frac{8}{\bmod[3,5]},\ \frac{9\times8}{\bmod[3,5]},\ 9\bmod[8,5]-3,\ 9(8-5)-3\Big\}\Big\},$$

$$\{\{3, 5, 8, 10\}, \{\text{mod}[3, 5]\ \text{mod}[8, 10], \text{mod}[3, 5 + 10]\ 8, \text{mod}[3, \text{mod}[5, 10]]\ 8,$$
$$\text{mod}[\text{mod}[3, 5], 10]\ 8, \text{mod}\left[3^5, 10\right]\ 8, 3\ \text{mod}[8, 5 + 10], 3\ \text{mod}\left[8^5, 10\right], 3\ \text{mod}[8, 10 + 5],$$
$$3\ (8 + \text{mod}[10, 5]), 3 \times 8 + \text{mod}[10, 5], 3\ (8 - \text{mod}[10, 5]), 3 \times 8 - \text{mod}[10, 5], \text{mod}[3, 10 + 5]\ 8,$$
$$\text{mod}[3, 10 - 5]\ 8, (3 + \text{mod}[10, 5])\ 8, \text{mod}[3 + 10, 5]\ 8, \text{mod}[\text{mod}[3, 10], 5]\ 8, (3 - \text{mod}[10, 5])\ 8,$$
$$3\ (\text{mod}[10, 5] + 8), 8\ \text{mod}[3, 5 + 10], 8\ \text{mod}[3, \text{mod}[5, 10]], 8\ \text{mod}[\text{mod}[3, 5], 10],$$
$$8\ \text{mod}\left[3^5, 10\right], 8\ \text{mod}[3, 10 + 5], 8\ \text{mod}[3, 10 - 5], 8\ (3 + \text{mod}[10, 5]), 8 \times 3 + \text{mod}[10, 5],$$
$$8\ \text{mod}[3 + 10, 5], 8\ \text{mod}[\text{mod}[3, 10], 5], 8\ (3 - \text{mod}[10, 5]), 8 \times 3 - \text{mod}[10, 5],$$
$$\text{mod}[8, 5 + 10]\ 3, \text{mod}\left[8^5, 10\right]\ 3, \text{mod}[8, 10]\ \text{mod}[3, 5], 8\ \text{mod}[10 + 3, 5], \text{mod}[8, 10 + 5]\ 3,$$
$$(8 + \text{mod}[10, 5])\ 3, (8 - \text{mod}[10, 5])\ 3, 8\ (\text{mod}[10, 5] + 3), \text{mod}[10 + 3, 5]\ 8,$$
$$(\text{mod}[10, 5] + 3)\ 8, \text{mod}[10, 5] + 3 \times 8, (\text{mod}[10, 5] + 8)\ 3, \text{mod}[10, 5] + 8 \times 3\}\},$$

$$\left\{\{3, 5, 9, 9\}, \left\{3\ \text{mod}[5, 9] + 9, 3\ \text{mod}\left[5^9, 9\right], \text{mod}[3, 9]\ 5 + 9, (3 - 9)\ (5 - 9), \frac{5}{3}\ 9 + 9,\right.\right.$$
$$\frac{5}{\frac{3}{9}} + 9, 5\ \text{mod}[3, 9] + 9, \text{mod}[5, 9]\ 3 + 9, 5 \times \frac{9}{3} + 9, \frac{5 \times 9}{3} + 9, (5 - 9)\ (3 - 9), \text{mod}\left[5^9, 9\right]\ 3,$$
$$\frac{9}{3}\ 5 + 9, \frac{9}{\frac{3}{5}} + 9, 9 + 3\ \text{mod}[5, 9], 9 + \text{mod}[3, 9]\ 5, (9 - 3)\ \text{mod}[9, 5], (9 - 3)\ (9 - 5),$$
$$9 \times \frac{5}{3} + 9, \frac{9 \times 5}{3} + 9, 9 + \frac{5}{3}\ 9, 9 + \frac{5}{\frac{3}{9}}, 9 + 5\ \text{mod}[3, 9], 9 + \text{mod}[5, 9]\ 3, 9 + 5 \times \frac{9}{3},$$
$$\left.\left.9 + \frac{5 \times 9}{3}, \text{mod}[9, 5]\ (9 - 3), (9 - 5)\ (9 - 3), 9 + \frac{9}{3}\ 5, 9 + \frac{9}{\frac{3}{5}}, 9 + 9 \times \frac{5}{3}, 9 + \frac{9 \times 5}{3}\right\}\right\},$$

$$\left\{\{3, 5, 9, 10\}, \left\{3 \times 5 + \text{mod}[9, 10], 3\ \text{mod}[5, 10] + 9, \frac{3 + 9}{5}\ 10, \frac{3 + 9}{\frac{5}{10}}, (3 + 9)\ \frac{10}{5},\right.\right.$$
$$\frac{(3 + 9)\ 10}{5}, \text{mod}[3, 10]\ 5 + 9, 3\ (10 - 5) + 9, 5 \times 3 + \text{mod}[9, 10], 5\ \text{mod}[3, 10] + 9,$$
$$\text{mod}[5, 10]\ 3 + 9, \frac{9 + 3}{5}\ 10, \frac{9 + 3}{\frac{5}{10}}, 9 + 3\ \text{mod}[5, 10], 9 - 3\ (5 - 10), 9 + \text{mod}[3, 10]\ 5,$$
$$(9 + 3)\ \frac{10}{5}, \frac{(9 + 3)\ 10}{5}, 9 + 3\ (10 - 5), 9 + 5\ \text{mod}[3, 10], 9 + \text{mod}[5, 10]\ 3,$$
$$9 - (5 - 10)\ 3, \text{mod}[9, 10] + 3 \times 5, \text{mod}[9, 10] + 5 \times 3, 9 + (10 - 5)\ 3, 10\ \frac{3 + 9}{5},$$
$$\left.\left.\frac{10\ (3 + 9)}{5}, \frac{10}{5}\ (3 + 9), (10 - 5)\ 3 + 9, \frac{10}{\frac{5}{3 + 9}}, \frac{10}{5}\ (9 + 3), \frac{10}{\frac{5}{9 + 3}}, 10\ \frac{9 + 3}{5}, \frac{10\ (9 + 3)}{5}\right\}\right\},$$

$$\left\{\{3, 5, 10, 10\}, \left\{3\left(10 - \frac{10}{5}\right), \left(10 - \frac{10}{5}\right)\ 3\right\}\right\}, \left\{\{3, 6, 6, 6\},\right.$$
$$\left\{\left(3 + \frac{6}{6}\right)\ 6, (3 + \text{Log}[6, 6])\ 6, \text{mod}[3, 6] + 6, \frac{6}{3}\ (6 + 6), (6 - 3)\ 6 + 6, 6\ \text{mod}[3, 6] + 6,\right.$$
$$6 + \text{mod}[3, 6]\ 6, 6\left(3 + \frac{6}{6}\right), \frac{6}{\frac{3}{6 + 6}}, 6\ (3 + \text{Log}[6, 6]), 6 - (3 - 6)\ 6, \left(\frac{6}{6} + 3\right)\ 6, (\text{Log}[6, 6] + 3)\ 6,$$
$$\frac{6 + 6}{3}\ 6, \left(6 - \frac{6}{3}\right)\ 6, 6\ (6 - 3) + 6, 6 + (6 - 3)\ 6, \frac{6 + 6}{\frac{3}{6}}, 6 + 6\ \text{mod}[3, 6], 6 - 6\ (3 - 6), 6\left(\frac{6}{6} + 3\right),$$
$$\left.\left.6\ (\text{Log}[6, 6] + 3), (6 + 6)\ \frac{6}{3}, \frac{(6 + 6)\ 6}{3}, 6\ \frac{6 + 6}{3}, \frac{6\ (6 + 6)}{3}, 6 + 6\ (6 - 3), 6\left(6 - \frac{6}{3}\right)\right\}\right\},$$

$$\left\{\{3, 6, 6, 7\}, \left\{3\left(\frac{6}{6}+7\right), 3\,(\text{Log}[6, 6]+7), 3\times 6+\text{mod}[6, 7], ((3-6)+7)\,6,\right.\right.$$
$$\text{mod}[3\times 6, 7]\,6, (3-(6-7))\,6, 3\,\text{mod}[6, 7]+6, (3+\text{mod}[7, 6])\,6, \text{mod}[3+7, 6]\,6,$$
$$(3+(7-6))\,6, ((3+7)-6)\,6, \text{mod}[3, 7]\,6+6, 3\left(7+\frac{6}{6}\right), 3\,(7+\text{Log}[6, 6]), 6\,((3-6)+7),$$
$$6\times 3+\text{mod}[6, 7], 6+3\,\text{mod}[6, 7], 6\,\text{mod}[3\times 6, 7], 6\,(3-(6-7)), \text{mod}[6\times 3, 7]\,6,$$
$$6\,\text{mod}[3, 7]+6, 6+\text{mod}[3, 7]\,6, 6\,(3+\text{mod}[7, 6]), 6\,\text{mod}[3+7, 6], 6\,(3+(7-6)),$$
$$6\,((3+7)-6), 6+6\,\text{mod}[3, 7], 6\,\text{mod}[6\times 3, 7], \left(\frac{6}{6}+7\right)3, (\text{Log}[6, 6]+7)\,3,$$
$$6+\text{mod}[6, 7]\,3, \text{mod}[6, 7]\,3+6, \text{mod}[6, 7]+3\times 6, 6\,\text{mod}[7+3, 6], 6\,\text{mod}[7-3, 6],$$
$$6\,(7+(3-6)), 6\,(7-\text{mod}[3, 6]), 6\times 7-3\times 6, 6\,((7+3)-6), 6\,(\text{mod}[7, 6]+3),$$
$$6\,((7-6)+3), \text{mod}[6, 7]+6\times 3, 6\,(7-(6-3)), 6\times 7-6\times 3, \text{mod}[7+3, 6]\,6,$$
$$\text{mod}[7-3, 6]\,6, (7+(3-6))\,6, (7-\text{mod}[3, 6])\,6, ((7+3)-6)\,6, (\text{mod}[7, 6]+3)\,6,$$
$$\left.((7-6)+3)\,6, (7-(6-3))\,6, 7\times 6-3\times 6, \left(7+\frac{6}{6}\right)3, (7+\text{Log}[6, 6])\,3, 7\times 6-6\times 3\right\}\Big\},$$

$$\left\{\{3, 6, 6, 8\}, \left\{\left(\frac{3}{6}6\right)8, ((3-6)+6)\,8, \frac{3}{\frac{6}{6}}8, \frac{3}{\text{Log}[6, 6]}8, \left(3\times\frac{6}{6}\right)8, \frac{3\times 6}{6}8,\right.\right.$$
$$(3\,\text{Log}[6, 6])\,8, \text{mod}[3, 6+6]\,8, (3+\text{mod}[6, 6])\,8, \text{mod}[3+6, 6]\,8, \text{mod}[\text{mod}[3, 6], 6]\,8,$$
$$\text{mod}\left[3^6, 6\right]8, 3^{\frac{6}{6}}8, 3^{\text{Log}[6,6]}8, \text{root}[3, 6]^6\,8, \text{root}\left[3, \frac{6}{6}\right]8, \text{root}[3, \text{Log}[6, 6]]\,8,$$
$$\text{root}\left[3^6, 6\right]8, (3-\text{mod}[6, 6])\,8, (3-(6-6))\,8, (3+(6-6))\,8, ((3+6)-6)\,8,$$
$$\frac{3}{6}(6\times 8), 3\left(\frac{6}{6}8\right), 3\,(\text{Log}[6, 6]\,8), 3\,(\text{mod}[6, 6]+8), 3\,((6-6)+8), \frac{3}{\frac{6}{6\times 8}}, \frac{3}{\frac{\frac{6}{6}}{8}},$$
$$\frac{3}{\frac{\text{Log}[6,6]}{8}}, \frac{3}{\text{Log}[6, \text{root}[6, 8]]}, 3\,\frac{6}{\frac{6}{8}}, \frac{3\times 6}{\frac{6}{8}}, 3\,\text{Log}\left[6, 6^8\right], 3\times 6+\text{mod}[6, 8], 3\times 6^{\text{Log}[6,8]},$$
$$3\,(6-(6-8)), \left(\frac{3}{6}8\right)6, \frac{3}{\frac{6}{8}}6, \frac{3}{6}(8\times 6), 3\,\text{mod}[6, 8]+6, \frac{3}{\frac{6}{8\times 6}}, \frac{3}{\frac{\frac{6}{8}}{6}}, \frac{3}{\text{Log}\left[6^8, 6\right]}, (3\times 6)\,\frac{8}{6},$$
$$3\left(6\times\frac{8}{6}\right), 3\,\frac{6\times 8}{6}, \frac{(3\times 6)\,8}{6}, \frac{3\,(6\times 8)}{6}, 3\,\text{Log}[\text{root}[6, 8], 6], 3\,(6+\text{mod}[8, 6]),$$
$$3\,(6+(8-6)), 3\,((6+8)-6), \left(3\times\frac{8}{6}\right)6, \frac{3\times 8}{6}6, 3\left(\frac{8}{6}6\right), \text{mod}[3, 8]\,6+6,$$
$$3\,(\text{mod}[8, 6]+6), 3\,((8-6)+6), (3\times 8-6)+6, (3\times 8)\,\frac{6}{6}, 3\left(8\times\frac{6}{6}\right), 3\,\frac{8}{\frac{6}{6}}, 3\,\frac{8}{\text{Log}[6, 6]},$$
$$3\,\frac{8\times 6}{6}, \frac{(3\times 8)\,6}{6}, \frac{3\times 8}{\frac{6}{6}}, \frac{3\times 8}{\text{Log}[6, 6]}, \frac{3\,(8\times 6)}{6}, (3\times 8)\,\text{Log}[6, 6], 3\,(8\,\text{Log}[6, 6]),$$
$$3\,(8+\text{mod}[6, 6]), 3\times 8+\text{mod}[6, 6], 3\,\text{mod}[8, 6+6], 3\times 8^{\frac{6}{6}}, 3\times 8^{\text{Log}[6,6]}, (3\times 8)^{\frac{6}{6}},$$
$$(3\times 8)^{\text{Log}[6,6]}, 3\,\text{root}[8, 6]^6, \text{root}[3\times 8, 6]^6, 3\,\text{root}\left[8, \frac{6}{6}\right], 3\,\text{root}[8, \text{Log}[6, 6]],$$
$$\text{root}\left[3\times 8, \frac{6}{6}\right], \text{root}[3\times 8, \text{Log}[6, 6]], 3\,\text{root}\left[8^6, 6\right], \text{root}\left[(3\times 8)^6, 6\right], 3\,(8+(6-6)),$$
$$3\times 8+(6-6), 3\,(8-\text{mod}[6, 6]), 3\,(8-(6-6)), 3\times 8-\text{mod}[6, 6], 3\times 8-(6-6),$$
$$3\,((8+6)-6), (3\times 8+6)-6, \left(6\times\frac{3}{6}\right)8, \frac{6\times 3}{6}8, \text{Log}[\text{root}[6, 3], 6]\,8, \text{mod}[6+3, 6]\,8,$$

$$\text{mod}[6-3,\,6]\;8,\;(6+(3-6))\;8,\;(6-\text{mod}[3,\,6])\;8,\;((6+3)-6)\;8,\;6\left(\frac{3}{6}\;8\right),\;6\;\frac{3}{\frac{6}{8}},$$

$$\frac{6\times 3}{\frac{6}{8}},\;6\times 3+\text{mod}[6,\,8],\;6+3\,\text{mod}[6,\,8],\;6\,\text{mod}[3,\,8]+6,\;6+\text{mod}[3,\,8]\;6,\;(6\times 3)\;\frac{8}{6},$$

$$6\left(3\times\frac{8}{6}\right),\;6\;\frac{3\times 8}{6},\;\frac{(6\times 3)\;8}{6},\;\frac{6\;(3\times 8)}{6},\;6+(3\times 8-6),\;(6+3\times 8)-6,\;\left(\frac{6}{6}\;3\right)\;8,$$

$$(\text{Log}[6,\,6]\;3)\;8,\;(\text{mod}[6,\,6]+3)\;8,\;((6-6)+3)\;8,\;\frac{6}{\frac{6}{3}}\;8,\;\text{Log}\left[6,\,6^3\right]\;8,\;6^{\text{Log}[6,3]}\;8,$$

$$(6-(6-3))\;8,\;\frac{6}{6}\;(3\times 8),\;\text{Log}[6,\,6]\;(3\times 8),\;\text{mod}[6,\,6]+3\times 8,\;(6-6)+3\times 8,\;\frac{6}{\frac{6}{3\times 8}},\;\frac{6}{\frac{6}{3}\over 8},$$

$$\text{Log}\left[6,\,\left(6^3\right)^8\right],\;6+6\,\text{mod}[3,\,8],\;6^{\text{Log}[6,3\times 8]},\;6-(6-3\times 8),\;\left(\frac{6}{6}\;8\right)\;3,\;(\text{Log}[6,\,6]\;8)\;3,$$

$$(\text{mod}[6,\,6]+8)\;3,\;((6-6)+8)\;3,\;\frac{6}{\frac{6}{8}}\;3,\;\text{Log}\left[6,\,6^8\right]\;3,\;6^{\text{Log}[6,8]}\;3,\;(6-(6-8))\;3,$$

$$\frac{6}{6}\;(8\times 3),\;\text{Log}[6,\,6]\;(8\times 3),\;\text{mod}[6,\,6]+8\times 3,\;(6-6)+8\times 3,\;6+\text{mod}[6,\,8]\;3,\;\frac{6}{\frac{6}{8\times 3}},$$

$$\frac{6}{\frac{\frac{6}{8}}{3}},\;\text{Log}\left[6,\,\left(6^8\right)^3\right],\;(6+6)\;\text{mod}[8,\,3],\;6^{\text{Log}[6,8\times 3]},\;(6+6)\;\text{root}[8,\,3],\;6\;(6-\text{mod}[8,\,3]),$$

$$6\;(6-\text{root}[8,\,3]),\;6-(6-8\times 3),\;(6-\text{mod}[8,\,3])\;6,\;(6-\text{root}[8,\,3])\;6,\;\text{mod}[6,\,8]\;3+6,$$

$$\text{mod}[6,\,8]+3\times 6,\;(6\times 8)\;\frac{3}{6},\;6\left(8\times\frac{3}{6}\right),\;6\;\frac{8\times 3}{6},\;\frac{(6\times 8)\;3}{6},\;\frac{6\;(8\times 3)}{6},\;6+(8\times 3-6),$$

$$(6+8\times 3)-6,\;6\;(8-3)-6,\;\left(6\times\frac{8}{6}\right)\;3,\;\frac{6\times 8}{6}\;3,\;\text{Log}[\text{root}[6,\,8],\,6]\;3,\;(6+\text{mod}[8,\,6])\;3,$$

$$(6+(8-6))\;3,\;((6+8)-6)\;3,\;6\left(\frac{8}{6}\;3\right),\;\text{mod}[6,\,8]+6\times 3,\;6\;\frac{8}{\frac{6}{3}},\;\frac{6\times 8}{\frac{6}{3}},\;\left(8\times\frac{3}{6}\right)\;6,\;\frac{8\times 3}{6}\;6,$$

$$8\left(\frac{3}{6}\;6\right),\;\text{mod}[8,\,3]\;(6+6),\;\text{root}[8,\,3]\;(6+6),\;8\;((3-6)+6),\;(8\times 3-6)+6,\;8\;\frac{3}{\frac{6}{6}},$$

$$8\;\frac{3}{\text{Log}[6,\,6]},\;(8\times 3)\;\frac{6}{6},\;8\left(3\times\frac{6}{6}\right),\;\frac{8\times 3}{\frac{6}{6}},\;\frac{8\times 3}{\text{Log}[6,\,6]},\;8\;\frac{3\times 6}{6},\;\frac{(8\times 3)\;6}{6},\;\frac{8\;(3\times 6)}{6},$$

$$(8\times 3)\;\text{Log}[6,\,6],\;8\;(3\;\text{Log}[6,\,6]),\;8\,\text{mod}[3,\,6+6],\;8\;(3+\text{mod}[6,\,6]),\;8\times 3+\text{mod}[6,\,6],$$

$$8\,\text{mod}[3+6,\,6],\;8\,\text{mod}[\text{mod}[3,\,6],\,6],\;8\,\text{mod}\left[3^6,\,6\right],\;8\times 3^{\frac{6}{6}},\;8\times 3^{\text{Log}[6,6]},\;(8\times 3)^{\frac{6}{6}},$$

$$(8\times 3)^{\text{Log}[6,6]},\;8\;\text{root}[3,\,6]^6,\;\text{root}[8\times 3,\,6]^6,\;8\;\text{root}\left[3,\,\frac{6}{6}\right],\;8\;\text{root}[3,\,\text{Log}[6,\,6]],$$

$$\text{root}\left[8\times 3,\,\frac{6}{6}\right],\;\text{root}[8\times 3,\,\text{Log}[6,\,6]],\;8\;\text{root}\left[3^6,\,6\right],\;\text{root}\left[(8\times 3)^6,\,6\right],\;8\;(3-\text{mod}[6,\,6]),$$

$$8\;(3-(6-6)),\;8\;(3+(6-6)),\;8\times 3+(6-6),\;8\times 3-\text{mod}[6,\,6],\;8\times 3-(6-6),\;(8-3)\;6-6,$$

$$8\;((3+6)-6),\;(8\times 3+6)-6,\;\left(\frac{8}{6}\;3\right)\;6,\;\frac{8}{\frac{6}{3}}\;6,\;\frac{8}{6}\;(3\times 6),\;(8\times 6)\;\frac{3}{6},\;8\left(6\times\frac{3}{6}\right),\;\frac{8}{\frac{6}{3\times 6}},$$

$$\frac{8}{\frac{6}{\frac{3}{6}}},\ \frac{8}{\text{Log}\left[6^3,\ 6\right]},\ 8\ \frac{6\times 3}{6},\ \frac{(8\times 6)\ 3}{6},\ \frac{8\ (6\times 3)}{6},\ 8\ \text{Log}[\text{root}[6,\ 3],\ 6],\ 8\ \text{mod}[6+3,\ 6],$$

$$8\ \text{mod}[6-3,\ 6],\ 8\ (6+(3-6)),\ 8\ (6-\text{mod}[3,\ 6]),\ 8\ ((6+3)-6),\ \left(\frac{8}{6}\ 6\right)\ 3,\ (\text{mod}[8,\ 6]+6)\ 3,$$

$$((8-6)+6)\ 3,\ \left(8\times\frac{6}{6}\right)\ 3,\ \frac{8}{\frac{6}{6}}\ 3,\ \frac{8}{\text{Log}[6,\ 6]}\ 3,\ \frac{8\times 6}{6}\ 3,\ (8\ \text{Log}[6,\ 6])\ 3,\ (8+\text{mod}[6,\ 6])\ 3,$$

$$\text{mod}[8,\ 6+6]\ 3,\ 8^{\frac{6}{6}}\ 3,\ 8^{\text{Log}[6,6]}\ 3,\ \text{root}[8,\ 6]^6\ 3,\ \text{root}\left[8,\ \frac{6}{6}\right]\ 3,\ \text{root}[8,\ \text{Log}[6,\ 6]]\ 3,$$

$$\text{root}\left[8^6,\ 6\right]\ 3,\ (8+(6-6))\ 3,\ (8-\text{mod}[6,\ 6])\ 3,\ (8-(6-6))\ 3,\ ((8+6)-6)\ 3,$$

$$\frac{8}{6}\ (6\times 3),\ 8\ \left(\frac{6}{6}\ 3\right),\ 8\ (\text{Log}[6,\ 6]\ 3),\ 8\ (\text{mod}[6,\ 6]+3),\ 8\ ((6-6)+3),\ 8\ \frac{6}{\frac{6}{3}},\ \frac{8}{\frac{6}{6\times 3}},$$

$$\frac{8}{\frac{\frac{6}{6}}{3}},\ \frac{8}{\frac{\text{Log}[6,6]}{3}},\ \frac{8}{\text{Log}[6,\ \text{root}[6,\ 3]]},\ \frac{8\times 6}{\frac{6}{3}},\ 8\ \text{Log}\left[6,\ 6^3\right],\ 8\times 6^{\text{Log}[6,3]},\ 8\ (6-(6-3))\Big\}\Big\},$$

$$\Big\{\{3,\ 6,\ 6,\ 9\},\ \Big\{((3+6)+6)+9,\ (3+(6+6))+9,\ (3+6)+(6+9),\ 3+((6+6)+9),$$
$$3+(6+(6+9)),\ 3\times 6+\text{mod}[6,\ 9],\ ((3+6)+9)+6,\ (3+(6+9))+6,\ 3\ \text{mod}[6,\ 9]+6,$$
$$(3+6)+(9+6),\ 3+((6+9)+6),\ 3+(6+(9+6)),\ \text{Log}[3,\ 9]\ (6+6),\ \text{mod}[3,\ 9]\ 6+6,$$
$$((3+9)+6)+6,\ (3+(9+6))+6,\ (3+9)+(6+6),\ 3+((9+6)+6),\ 3+(9+(6+6)),$$

$$\text{Log}\left[3,\ 9^{6+6}\right],\ 3\ \left(9-\frac{6}{6}\right),\ 3\ (9-\text{Log}[6,\ 6]),\ ((6+3)+6)+9,\ (6+(3+6))+9,\ (6+3)+(6+9),$$

$$6+((3+6)+9),\ 6+(3+(6+9)),\ \frac{6^{\text{mod}[3,6]}}{9},\ 6\times 3+\text{mod}[6,\ 9],\ 6+3\ \text{mod}[6,\ 9],\ 6^{3-\text{Log}[6,9]},$$

$$(6-\text{Log}[3,\ 9])\ 6,\ \frac{6}{3}\ 9+6,\ ((6+3)+9)+6,\ (6+(3+9))+6,\ \frac{6}{\frac{3}{9}}+6,\ 6\ \text{mod}[3,\ 9]+6,$$

$$6+\text{mod}[3,\ 9]\ 6,\ (6+3)+(9+6),\ 6+((3+9)+6),\ 6+(3+(9+6)),\ ((6+6)+3)+9,$$

$$(6+(6+3))+9,\ 6+\frac{6}{3}\ 9,\ (6+6)+(3+9),\ 6+((6+3)+9),\ 6+(6+(3+9)),\ 6+\frac{6}{\frac{3}{9}},$$

$$\frac{6^{6-3}}{9},\ (6+6)\ \text{Log}[3,\ 9],\ 6+6\ \text{mod}[3,\ 9],\ 6\ (6-\text{Log}[3,\ 9]),\ 6\times 6-(3+9),\ (6\times 6-3)-9,$$

$$((6+6)+9)+3,\ (6+(6+9))+3,\ 6+\text{mod}[6,\ 9]\ 3,\ (6+6)+(9+3),\ 6+((6+9)+3),$$

$$6+(6+(9+3)),\ 6+6\times\frac{9}{3},\ 6+\frac{6\times 9}{3},\ \frac{6+6}{\text{Log}[9,\ 3]},\ 6\times 6-(9+3),\ (6\times 6-9)-3,$$

$$\text{mod}[6,\ 9]\ 3+6,\ ((6+9)+3)+6,\ (6+(9+3))+6,\ 6\times\frac{9}{3}+6,\ \frac{6\times 9}{3}+6,\ \text{mod}[6,\ 9]+3\times 6,$$

$$6+\frac{9}{3}\ 6,\ (6+9)+(3+6),\ 6+((9+3)+6),\ 6+(9+(3+6)),\ 6+\frac{9}{\frac{3}{6}},\ ((6+9)+6)+3,$$

$$(6+(9+6))+3,\ \text{mod}[6,\ 9]+6\times 3,\ (6+9)+(6+3),\ 6+((9+6)+3),\ 6+(9+(6+3)),$$

$$6+9\times\frac{6}{3},\ 6+\frac{9\times 6}{3},\ \frac{9}{3}\ 6+6,\ ((9+3)+6)+6,\ (9+(3+6))+6,\ \frac{9}{\frac{3}{6}}+6,\ (9+3)+(6+6),$$

$$9+((3+6)+6),\ 9+(3+(6+6)),\ ((9+6)+3)+6,\ (9+(6+3))+6,\ 9\times\frac{6}{3}+6,\ \frac{9\times 6}{3}+6,$$

$$(9+6)+(3+6),\ 9+((6+3)+6),\ 9+(6+(3+6)),\ \left(9-\frac{6}{6}\right)3,\ (9-\text{Log}[6,6])\,3,$$
$$((9+6)+6)+3,\ (9+(6+6))+3,\ (9+6)+(6+3),\ 9+((6+6)+3),\ 9+(6+(6+3))\Big\}\Big\},$$

$$\Big\{\{3,6,6,10\},\ \Big\{3\times 6+\text{mod}[6,10],\ 3\,\text{mod}[6,10]+6,\ \text{mod}[3,6]\,10-6,\ \text{mod}[3,10]\,6+6,$$
$$6\times 3+\text{mod}[6,10],\ 6+3\,\text{mod}[6,10],\ 6\,\text{mod}[3,10]+6,\ 6+\text{mod}[3,10]\,6,$$
$$(6-3)\,10-6,\ 6+6\,\text{mod}[3,10],\ 6+\text{mod}[6,10]\,3,\ \text{mod}[6,10]\,3+6,\ \text{mod}[6,10]+3\times 6,$$
$$6\,\text{mod}\left[10^3,6\right],\ \text{mod}[6,10]+6\times 3,\ \text{mod}\left[10^3,6\right]6,\ 10\,\text{mod}[3,6]-6,\ 10\,(6-3)-6\Big\}\Big\},$$

$$\Big\{\{3,6,7,7\},\ \Big\{3\,(\text{mod}[7,6]+7),\ 3\,((7-6)+7),\ 3\,(7-(6-7)),\ \left(3+\frac{7}{7}\right)6,\ (3+\text{Log}[7,7])\,6,$$
$$3\,(7+\text{mod}[7,6]),\ 3\,(7+(7-6)),\ 3\,((7+7)-6),\ 6\left(3+\frac{7}{7}\right),\ 6\,(3+\text{Log}[7,7]),\ 6\,\text{mod}[7-3,7],$$
$$6\,(7-\text{mod}[3,7]),\ 6\left(\frac{7}{7}+3\right),\ 6\,(\text{Log}[7,7]+3),\ \text{mod}[6,7]\,(7-3),\ (7-3)\,\text{mod}[6,7],$$
$$\text{mod}[7-3,7]\,6,\ (7-\text{mod}[3,7])\,6,\ (\text{mod}[7,6]+7)\,3,\ ((7-6)+7)\,3,\ (7-(6-7))\,3,$$
$$\left(\frac{7}{7}+3\right)6,\ (\text{Log}[7,7]+3)\,6,\ (7+\text{mod}[7,6])\,3,\ (7+(7-6))\,3,\ ((7+7)-6)\,3\Big\}\Big\},$$

$$\Big\{\{3,6,7,8\},\ \Big\{\text{mod}[3,6+7]\,8,\ \text{mod}[3,\text{mod}[6,7]]\,8,\ \text{mod}[\text{mod}[3,6],7]\,8,\ ((3+6)+7)+8,$$
$$(3+(6+7))+8,\ (3+6)+(7+8),\ 3+((6+7)+8),\ 3+(6+(7+8)),\ ((3+6)+8)+7,$$
$$(3+(6+8))+7,\ (3+6)+(8+7),\ 3+((6+8)+7),\ 3+(6+(8+7)),\ \frac{3}{\text{mod}[7,6]}\,8,\ \frac{3}{7-6}\,8,$$
$$\text{mod}[3,7+6]\,8,\ (3\,\text{mod}[7,6])\,8,\ \text{mod}[3\times 7,6]\,8,\ \text{mod}[\text{mod}[3,7],6]\,8,\ \text{mod}\left[3^7,6\right]8,$$
$$3^{\text{mod}[7,6]}\,8,\ 3^{7-6}\,8,\ \text{root}[3,\text{mod}[7,6]]\,8,\ \text{root}[3,7-6]\,8,\ (3\,(7-6))\,8,\ 3\,(\text{mod}[7,6]\,8),$$
$$3\,((7-6)\,8),\ ((3+7)+6)+8,\ (3+(7+6))+8,\ (3+7)+(6+8),\ 3+((7+6)+8),$$
$$3+(7+(6+8)),\ \frac{3}{\frac{\text{mod}[7,6]}{8}},\ \frac{3}{\frac{7-6}{8}},\ ((3-7)+8)\,6,\ (3-(7-8))\,6,\ ((3+7)+8)+6,$$
$$(3+(7+8))+6,\ (3+7)+(8+6),\ 3+((7+8)+6),\ 3+(7+(8+6)),\ ((3+8)+6)+7,$$
$$(3+(8+6))+7,\ (3+8)+(6+7),\ 3+((8+6)+7),\ 3+(8+(6+7)),\ \frac{3}{8^{6-7}},\ \frac{3}{\text{root}[8,6-7]},$$
$$3\,\text{mod}[8,6+7],\ (3+\text{mod}[8,7])\,6,\ \text{mod}[3+8,7]\,6,\ (3+(8-7))\,6,\ ((3+8)-7)\,6,$$
$$((3+8)+7)+6,\ (3+(8+7))+6,\ (3+8)+(7+6),\ 3+((8+7)+6),\ 3+(8+(7+6)),$$
$$3\,\frac{8}{\text{mod}[7,6]},\ 3\,\frac{8}{7-6},\ \frac{3\times 8}{\text{mod}[7,6]},\ \frac{3\times 8}{7-6},\ (3\times 8)\,\text{mod}[7,6],\ 3\,(8\,\text{mod}[7,6]),\ 3\,\text{mod}[8,7+6],$$
$$3\times 8^{\text{mod}[7,6]},\ 3\times 8^{7-6},\ (3\times 8)^{\text{mod}[7,6]},\ (3\times 8)^{7-6},\ 3\,\text{root}[8,\text{mod}[7,6]],\ 3\,\text{root}[8,7-6],$$
$$\text{root}[3\times 8,\text{mod}[7,6]],\ \text{root}[3\times 8,7-6],\ (3\times 8)\,(7-6),\ 3\,(8\,(7-6)),\ \text{mod}[6-3,7]\,8,$$
$$(6-\text{mod}[3,7])\,8,\ ((6+3)+7)+8,\ (6+(3+7))+8,\ 6\,((3-7)+8),\ (6+3)+(7+8),$$
$$6+((3+7)+8),\ 6+(3+(7+8)),\ 6\,(3-(7-8)),\ ((6+3)+8)+7,\ (6+(3+8))+7,$$
$$(6+3)+(8+7),\ 6+((3+8)+7),\ 6+(3+(8+7)),\ 6\,(3+\text{mod}[8,7]),\ 6\,\text{mod}[3+8,7],$$
$$6\,(3+(8-7)),\ 6\,((3+8)-7),\ (\text{mod}[6,7]-3)\,8,\ ((6+7)+3)+8,\ (6+(7+3))+8,$$
$$(6+7)+(3+8),\ 6+((7+3)+8),\ 6+(7+(3+8)),\ 6\,\text{mod}[7-3,8],\ 6\,(7-\text{mod}[3,8]),$$
$$((6+7)+8)+3,\ (6+(7+8))+3,\ (6+7)+(8+3),\ 6+((7+8)+3),\ 6+(7+(8+3)),$$
$$6\,(\text{mod}[7,8]-3),\ ((6+8)+3)+7,\ (6+(8+3))+7,\ (6+8)+(3+7),\ 6+((8+3)+7),$$
$$6+(8+(3+7)),\ 6\,\text{mod}[8+3,7],\ 6\,(8+(3-7)),\ 6\,((8+3)-7),\ ((6+8)+7)+3,$$
$$(6+(8+7))+3,\ 6\,(\text{mod}[8,7]+3),\ 6\,((8-7)+3),\ (6+8)+(7+3),\ 6+((8+7)+3),$$
$$6+(8+(7+3)),\ \text{mod}[6,8]\,(7-3),\ 6\,(8-(7-3)),\ \text{mod}[7\times 3,6]\,8,\ ((7+3)+6)+8,$$
$$(7+(3+6))+8,\ (7+3)+(6+8),\ 7+((3+6)+8),\ 7+(3+(6+8)),\ (7-3)\,\text{mod}[6,8],$$
$$\text{mod}[7-3,8]\,6,\ (7-\text{mod}[3,8])\,6,\ ((7+3)+8)+6,\ (7+(3+8))+6,\ (7+3)+(8+6),$$
$$7+((3+8)+6),\ 7+(3+(8+6)),\ (\text{mod}[7,6]\,3)\,8,\ ((7-6)\,3)\,8,\ \text{mod}[7,6]\,(3\times 8),$$
$$(7-6)\,(3\times 8),\ ((7+6)+3)+8,\ (7+(6+3))+8,\ (7+6)+(3+8),\ 7+((6+3)+8),$$
$$7+(6+(3+8)),\ (\text{mod}[7,6]\,8)\,3,\ ((7-6)\,8)\,3,\ \text{mod}[7,6]\,(8\times 3),\ (7-6)\,(8\times 3),$$
$$((7+6)+8)+3,\ (7+(6+8))+3,\ (7+6)+(8+3),\ 7+((6+8)+3),\ 7+(6+(8+3)),$$
$$(\text{mod}[7,8]-3)\,6,\ ((7+8)+3)+6,\ (7+(8+3))+6,\ (7+8)+(3+6),\ 7+((8+3)+6),$$
$$7+(8+(3+6)),\ ((7+8)+6)+3,\ (7+(8+6))+3,\ (7+8)+(6+3),\ 7+((8+6)+3),$$

$$7+(8+(6+3)),\ ((8+3)+6)+7,\ (8+(3+6))+7,\ (8+3)+(6+7),\ 8+((3+6)+7),$$
$$8+(3+(6+7)),\ \frac{8}{3^{6-7}},\ \frac{8}{\text{root}[3,\,6-7]},\ 8\bmod[3,\,6+7],\ 8\bmod[3,\,\bmod[6,\,7]],$$
$$8\bmod[\bmod[3,\,6],\,7],\ \bmod[8+3,\,7]\,6,\ (8+(3-7))\,6,\ ((8+3)-7)\,6,\ ((8+3)+7)+6,$$
$$(8+(3+7))+6,\ (8+3)+(7+6),\ 8+((3+7)+6),\ 8+(3+(7+6)),\ 8\,\frac{3}{\bmod[7,\,6]},\ 8\,\frac{3}{7-6},$$
$$\frac{8\times 3}{\bmod[7,\,6]},\ \frac{8\times 3}{7-6},\ 8\bmod[3,\,7+6],\ (8\times 3)\bmod[7,\,6],\ 8\,(3\bmod[7,\,6]),\ 8\bmod[3\times 7,\,6],$$
$$8\bmod[\bmod[3,\,7],\,6],\ 8\bmod\left[3^7,\,6\right],\ 8\times 3^{\bmod[7,6]},\ 8\times 3^{7-6},\ (8\times 3)^{\bmod[7,6]},\ (8\times 3)^{7-6},$$
$$8\,\text{root}[3,\,\bmod[7,\,6]],\ 8\,\text{root}[3,\,7-6],\ \text{root}[8\times 3,\,\bmod[7,\,6]],\ \text{root}[8\times 3,\,7-6],$$
$$(8\times 3)\,(7-6),\ 8\,(3\,(7-6)),\ ((8+6)+3)+7,\ (8+(6+3))+7,\ (8+6)+(3+7),$$
$$8+((6+3)+7),\ 8+(6+(3+7)),\ 8\bmod[6-3,\,7],\ 8\,(6-\bmod[3,\,7]),\ \bmod[8,\,6+7]\,3,$$
$$((8+6)+7)+3,\ (8+(6+7))+3,\ (8+6)+(7+3),\ 8+((6+7)+3),\ 8+(6+(7+3)),$$
$$8\,(\bmod[6,\,7]-3),\ (\bmod[8,\,7]+3)\,6,\ ((8-7)+3)\,6,\ (8-(7-3))\,6,\ ((8+7)+3)+6,$$
$$(8+(7+3))+6,\ (8+7)+(3+6),\ 8+((7+3)+6),\ 8+(7+(3+6)),\ 8\bmod[7\times 3,\,6],$$
$$\frac{8}{\bmod[7,\,6]}\,3,\ \frac{8}{7-6}\,3,\ (8\bmod[7,\,6])\,3,\ \bmod[8,\,7+6]\,3,\ 8^{\bmod[7,6]}\,3,\ 8^{7-6}\,3,\ \text{root}[8,\,\bmod[7,\,6]]\,3,$$
$$\text{root}[8,\,7-6]\,3,\ (8\,(7-6))\,3,\ 8\,(\bmod[7,\,6]\,3),\ 8\,((7-6)\,3),\ ((8+7)+6)+3,$$
$$(8+(7+6))+3,\ (8+7)+(6+3),\ 8+((7+6)+3),\ 8+(7+(6+3)),\ \frac{8}{\frac{\bmod[7,6]}{3}},\ \frac{8}{\frac{7-6}{3}}\Big\}\Big\},$$

$$\Big\{\{3,\,6,\,7,\,9\},\ \Big\{3\,((6-7)+9),\ 3\,(6-(7-9)),\ 3\,(6+\bmod[9,\,7]),\ 3-(6-9)\,7,$$
$$3\,(6+(9-7)),\ 3\,((6+9)-7),\ (3\times 7-6)+9,\ 3-7\,(6-9),\ 3\times 7-(6-9),\ 3\times 7+\bmod[9,\,6],$$
$$3+7\bmod[9,\,6],\ 3\times 7+(9-6),\ 3+7\,(9-6),\ (3\times 7+9)-6,\ 3+\bmod[9,\,6]\,7,\ 3+(9-6)\,7,$$
$$3\,(9+(6-7)),\ 3\,((9+6)-7),\ 3\,(\bmod[9,\,7]+6),\ 3\,((9-7)+6),\ 3\,(9-\bmod[7,\,6]),$$
$$3\,(9-(7-6)),\ \frac{6^{\bmod[3,7]}}{9},\ \frac{\bmod[6,\,7]^3}{9},\ 6\bmod[7-3,\,9],\ 6\,(7-\bmod[3,\,9]),\ ((6-7)+9)\,3,$$
$$(6-(7-9))\,3,\ 6\left(7-\frac{9}{3}\right),\ 6\,(\bmod[7,\,9]-3),\ (6+\bmod[9,\,7])\,3,\ (6+(9-7))\,3,$$
$$((6+9)-7)\,3,\ \bmod[6,\,9]\,(7-3),\ (7\times 3-6)+9,\ (7-3)\bmod[6,\,9],\ 7\times 3-(6-9),$$
$$\bmod[7-3,\,9]\,6,\ (7-\bmod[3,\,9])\,6,\ 7\times 3+\bmod[9,\,6],\ 7\times 3+(9-6),\ (7\times 3+9)-6,$$
$$\left(7-\frac{9}{3}\right)6,\ (\bmod[7,\,9]-3)\,6,\ 7\bmod[9,\,6]+3,\ 7\,(9-6)+3,\ 9+(3\times 7-6),\ (9+3\times 7)-6,$$
$$\bmod[9,\,6]+3\times 7,\ (9-6)+3\times 7,\ 9-(6-3\times 7),\ (9+(6-7))\,3,\ ((9+6)-7)\,3,$$
$$\bmod[9,\,6]\,7+3,\ (9-6)\,7+3,\ \bmod[9,\,6]+7\times 3,\ (9-6)+7\times 3,\ 9-(6-7\times 3),\ 9+(7\times 3-6),$$
$$(9+7\times 3)-6,\ (\bmod[9,\,7]+6)\,3,\ ((9-7)+6)\,3,\ (9-\bmod[7,\,6])\,3,\ (9-(7-6))\,3\Big\}\Big\},$$

$$\Big\{\{3,\,6,\,7,\,10\},\ \Big\{\bmod[3,\,7]\,10-6,\ 3\times 10-\bmod[6,\,7],\ \bmod\left[3^{10},\,7\right]6,\ \frac{6}{3}\,7+10,\ \frac{6}{\frac{3}{7}}+10,$$
$$6\bmod\left[3^{10},\,7\right],\ 6\times\frac{7}{3}+10,\ \frac{6\times 7}{3}+10,\ 6\bmod[7-3,\,10],\ 6\,(7-\bmod[3,\,10]),\ 6\,(\bmod[7,\,10]-3),$$
$$\bmod[6,\,10]\,(7-3),\ \frac{7}{3}\,6+10,\ \frac{7}{\frac{3}{6}}+10,\ (7-3)\bmod[6,\,10],\ \bmod[7-3,\,10]\,6,\ (7-\bmod[3,\,10])\,6,$$
$$7\times\frac{6}{3}+10,\ \frac{7\times 6}{3}+10,\ (\bmod[7,\,10]-3)\,6,\ 10\times 3-\bmod[6,\,7],\ 10\bmod[3,\,7]-6,$$
$$10+\frac{6}{3}\,7,\ 10+\frac{6}{\frac{3}{7}},\ 10+6\times\frac{7}{3},\ 10+\frac{6\times 7}{3},\ 10+\frac{7}{3}\,6,\ 10+\frac{7}{\frac{3}{6}},\ 10+7\times\frac{6}{3},\ 10+\frac{7\times 6}{3}\Big\}\Big\},$$

$$\Big\{\{3,\,6,\,8,\,8\},\ \Big\{\bmod[3,\,6+8]\,8,\ \bmod[3,\,\bmod[6,\,8]]\,8,\ \bmod[\bmod[3,\,6],\,8]\,8,\ \bmod[3,\,8+6]\,8,$$

$$\mathrm{mod}[\mathrm{mod}[3,\,8],\,6]\,8,\ \mathrm{mod}\left[3^8,\,6\right]\,8,\ 3\,\mathrm{mod}[8,\,6+8],\ \left(3+\frac{8}{8}\right)\,6,\ (3+\mathrm{Log}[8,\,8])\,6,$$

$$3\,\mathrm{mod}[8,\,8+6],\ \mathrm{Log}\left[\frac{6}{3},\,8\right]\,8,\ \mathrm{mod}[6-3,\,8]\,8,\ (6-\mathrm{mod}[3,\,8])\,8,\ \frac{6}{3}\,8+8,\ \frac{6}{\frac{3}{8}}+8,\ 6\left(3+\frac{8}{8}\right),$$

$$6\,(3+\mathrm{Log}[8,\,8]),\ \mathrm{Log}\left[\frac{6}{3},\,8^8\right],\ \frac{6}{\mathrm{mod}[8,\,3]}\,8,\ \frac{6}{\mathrm{root}[8,\,3]}\,8,\ (\mathrm{mod}[6,\,8]-3)\,8,\ 6\times\frac{8}{3}+8,$$

$$\frac{6\times 8}{3}+8,\ \frac{6}{\frac{\mathrm{mod}[8,3]}{8}},\ \frac{6}{\frac{\mathrm{root}[8,3]}{8}},\ 6\times 8-3\times 8,\ 6\left(\frac{8}{8}+3\right),\ 6\,(\mathrm{Log}[8,\,8]+3),\ 6\,\frac{8}{\mathrm{mod}[8,\,3]},$$

$$6\,\frac{8}{\mathrm{root}[8,\,3]},\ \frac{6\times 8}{\mathrm{mod}[8,\,3]},\ \frac{6\times 8}{\mathrm{root}[8,\,3]},\ 6\,\mathrm{root}[8\times 8,\,3],\ 6\times 8-8\times 3,\ \frac{8}{3}\,6+8,$$

$$\frac{8}{\frac{3}{6}}+8,\ 8\,\mathrm{mod}[3,\,6+8],\ 8\,\mathrm{mod}[3,\,\mathrm{mod}[6,\,8]],\ 8\,\mathrm{mod}[\mathrm{mod}[3,\,6],\,8],\ 8\,\mathrm{mod}[3,\,8+6],$$

$$8\,\mathrm{mod}[\mathrm{mod}[3,\,8],\,6],\ 8\,\mathrm{mod}\left[3^8,\,6\right],\ 8\times\frac{6}{3}+8,\ \frac{8\times 6}{3}+8,\ 8+\frac{6}{3}\,8,\ 8+\frac{6}{\frac{3}{8}},\ 8\,\mathrm{Log}\left[\frac{6}{3},\,8\right],$$

$$8\,\mathrm{mod}[6-3,\,8],\ 8\,(6-\mathrm{mod}[3,\,8]),\ 8\times 6-3\times 8,\ \mathrm{mod}[8,\,6+8]\,3,\ 8\,\frac{6}{\mathrm{mod}[8,\,3]},$$

$$8\,\frac{6}{\mathrm{root}[8,\,3]},\ 8+6\times\frac{8}{3},\ \frac{8\times 6}{\mathrm{mod}[8,\,3]},\ \frac{8\times 6}{\mathrm{root}[8,\,3]},\ 8+\frac{6\times 8}{3},\ 8\times 6-8\times 3,\ 8\,(\mathrm{mod}[6,\,8]-3),$$

$$\left(\frac{8}{8}+3\right)\,6,\ (\mathrm{Log}[8,\,8]+3)\,6,\ \frac{8}{\mathrm{mod}[8,\,3]}\,6,\ \frac{8}{\mathrm{root}[8,\,3]}\,6,\ \mathrm{root}[8\times 8,\,3]\,6,\ 8+\frac{8}{3}\,6,$$

$$8+\frac{8}{\frac{3}{6}},\ \frac{8}{\frac{\mathrm{mod}[8,3]}{6}},\ \frac{8}{\frac{\mathrm{root}[8,3]}{6}},\ \mathrm{mod}[8,\,8+6]\,3,\ 8+8\times\frac{6}{3},\ \frac{8}{\mathrm{Log}\left[8,\,\frac{6}{3}\right]},\ 8+\frac{8\times 6}{3}\Big\}\Big\},$$

$$\Big\{\{3,\,6,\,8,\,9\},\ \Big\{\mathrm{mod}[3,\,6]\,\mathrm{mod}[8,\,9],\ \mathrm{mod}[3,\,6+9]\,8,\ \mathrm{mod}[3,\,\mathrm{mod}[6,\,9]]\,8,$$
$$\mathrm{mod}[\mathrm{mod}[3,\,6],\,9]\,8,\ 3\,\mathrm{mod}[8,\,6+9],\ ((3-8)+9)\,6,\ (3-(8-9))\,6,\ 3\,\mathrm{mod}[8,\,9+6],$$
$$\mathrm{mod}[3,\,9+6]\,8,\ \mathrm{mod}[3\times 9,\,6]\,8,\ \mathrm{mod}[\mathrm{mod}[3,\,9],\,6]\,8,\ \mathrm{mod}\left[3^9,\,6\right]\,8,\ (3+\mathrm{mod}[9,\,8])\,6,$$
$$\mathrm{mod}[3+9,\,8]\,6,\ (3+(9-8))\,6,\ ((3+9)-8)\,6,\ (3+9)\,\mathrm{mod}[8,\,6],\ (3+9)\,(8-6),$$
$$6\,((3-8)+9),\ \frac{6}{\mathrm{Log}\left[3^8,\,9\right]},\ \frac{6^{\mathrm{mod}[3,8]}}{9},\ (6-3)\,\mathrm{mod}[8,\,9],\ 6\,(3-(8-9)),\ \frac{6}{\mathrm{Log}[3,\,9]}\,8,$$
$$\mathrm{mod}[6-3,\,9]\,8,\ (6-\mathrm{mod}[3,\,9])\,8,\ \frac{6}{\frac{\mathrm{Log}[3,9]}{8}},\ \frac{6}{\mathrm{Log}[3,\,\mathrm{root}[9,\,8]]},\ 6\,(3+\mathrm{mod}[9,\,8]),$$
$$6\,\mathrm{mod}[3+9,\,8],\ 6\,(3+(9-8)),\ 6\,((3+9)-8),\ 6+\mathrm{mod}[8,\,3]\,9,\ 6+\mathrm{root}[8,\,3]\,9,$$
$$6\,\frac{8}{\mathrm{Log}[3,\,9]},\ \frac{6\times 8}{\mathrm{Log}[3,\,9]},\ \frac{\mathrm{mod}[6,\,8]^3}{9},\ (6\times 8)\,\mathrm{Log}[9,\,3],\ 6\,(8\,\mathrm{Log}[9,\,3]),\ (6\,\mathrm{Log}[9,\,3])\,8,$$
$$\left(6-\frac{9}{3}\right)\,8,\ (\mathrm{mod}[6,\,9]-3)\,8,\ 6\,(\mathrm{Log}[9,\,3]\,8),\ 6\,\mathrm{Log}\left[9,\,3^8\right],\ 6\,\mathrm{mod}[9+3,\,8],$$
$$6\,(9+(3-8)),\ 6\,((9+3)-8),\ 6\,(\mathrm{mod}[9,\,8]+3),\ 6\,((9-8)+3),\ 6\,\mathrm{Log}[\mathrm{root}[9,\,8],\,3],$$
$$6+9\,\mathrm{mod}[8,\,3],\ 6\,\mathrm{mod}[9,\,8-3],\ 6+9\,\mathrm{root}[8,\,3],\ 6\,(9-(8-3)),\ \frac{8}{\mathrm{mod}[3,\,6]}\,9,\ \frac{8}{\frac{\mathrm{mod}[3,6]}{9}},$$
$$\frac{8}{\mathrm{Log}\left[3^6,\,9\right]},\ 8\,\mathrm{mod}[3,\,6+9],\ 8\,\mathrm{mod}[3,\,\mathrm{mod}[6,\,9]],\ 8\,\mathrm{mod}[\mathrm{mod}[3,\,6],\,9],\ \frac{8}{\mathrm{Log}[3,\,9]}\,6,$$

$$\text{mod}[8,\,3]\,9+6,\ \text{root}[8,\,3]\,9+6,\ \frac{8}{\frac{\text{Log}[3,9]}{6}},\ \frac{8}{\text{Log}[3,\,\text{root}[9,\,6]]},\ 8\,\text{mod}[3,\,9+6],$$

$$8\,\text{mod}[3\times 9,\,6],\ 8\,\text{mod}[\text{mod}[3,\,9],\,6],\ 8\,\text{mod}\left[3^9,\,6\right],\ \frac{8}{6-3}\,9,\ \text{mod}[8,\,6]\,(3+9),$$

$$(8-6)\,(3+9),\ 8\,\frac{6}{\text{Log}[3,\,9]},\ \frac{8}{\frac{6-3}{9}},\ \frac{8\times 6}{\text{Log}[3,\,9]},\ 8\,\text{mod}[6-3,\,9],\ 8\,(6-\text{mod}[3,\,9]),$$

$$\text{mod}[8,\,6+9]\,3,\ \text{mod}[8,\,6]\,(9+3),\ (8-6)\,(9+3),\ (8\times 6)\,\text{Log}[9,\,3],\ 8\,(6\,\text{Log}[9,\,3]),$$

$$8\left(6-\frac{9}{3}\right),\ 8\,(\text{mod}[6,\,9]-3),\ (8\,\text{Log}[9,\,3])\,6,\ 8\,(\text{Log}[9,\,3]\,6),\ 8\,\frac{9}{\text{mod}[3,\,6]},\ \frac{8\times 9}{\text{mod}[3,\,6]},$$

$$8\,\text{Log}\left[9,\,3^6\right],\ \text{mod}[8,\,9]\,\text{mod}[3,\,6],\ 8\,\text{mod}[9\times 3,\,6],\ 8\,\text{mod}\left[\frac{9}{3},\,6\right],\ 8\,\text{mod}\left[9^3,\,6\right],$$

$$8\times 9^{\frac{3}{6}},\ 8\,\text{root}\left[9^3,\,6\right],\ \text{mod}[8,\,9+6]\,3,\ 8\,\frac{9}{6-3},\ \frac{8\times 9}{6-3},\ 8\,\text{Log}[\text{root}[9,\,6],\,3],$$

$$8\,\text{root}[9,\,6]^3,\ 8\,\text{root}\left[9,\,\frac{6}{3}\right],\ \text{mod}[8,\,9]\,(6-3),\ (\text{Log}[9,\,3]\,6)\,8,\ \frac{9}{\text{mod}[3,\,6]}\,8,$$

$$\text{Log}\left[9,\,3^6\right]\,8,\ \text{mod}[9\times 3,\,6]\,8,\ \text{mod}\left[\frac{9}{3},\,6\right]\,8,\ \text{mod}\left[9^3,\,6\right]\,8,\ 9^{\frac{3}{6}}\,8,\ \text{root}\left[9^3,\,6\right]\,8,$$

$$\text{Log}[9,\,3]\,(6\times 8),\ \frac{9}{\frac{\text{mod}[3,6]}{8}},\ \text{Log}\left[9,\,\left(3^6\right)^8\right],\ (\text{Log}[9,\,3]\,8)\,6,\ \text{Log}\left[9,\,3^8\right]\,6,\ \text{mod}[9+3,\,8]\,6,$$

$$(9+(3-8))\,6,\ ((9+3)-8)\,6,\ \text{Log}[9,\,3]\,(8\times 6),\ \text{Log}\left[9,\,\left(3^8\right)^6\right],\ (9+3)\,\text{mod}[8,\,6],$$

$$(9+3)\,(8-6),\ \frac{9}{6-3}\,8,\ \text{Log}[\text{root}[9,\,6],\,3]\,8,\ \text{root}[9,\,6]^3\,8,\ \text{root}\left[9,\,\frac{6}{3}\right]\,8,\ \frac{9}{\frac{6-3}{8}},$$

$$(\text{mod}[9,\,8]+3)\,6,\ ((9-8)+3)\,6,\ \text{Log}[\text{root}[9,\,8],\,3]\,6,\ \text{mod}[9,\,8-3]\,6,\ (9-(8-3))\,6,$$

$$9\,\text{mod}[8,\,3]+6,\ 9\,\text{root}[8,\,3]+6,\ 9\,\frac{8}{\text{mod}[3,\,6]},\ \frac{9\times 8}{\text{mod}[3,\,6]},\ 9\,\frac{8}{6-3},\ \frac{9\times 8}{6-3}\Big\}\Big\},$$

$$\Big\{\{3,\,6,\,8,\,10\},\ \Big\{3\,((6-8)+10),\ \text{mod}[3,\,6]\,\text{mod}[8,\,10],\ 3\,\text{mod}[6\times 8,\,10],\ 3\,(6-(8-10)),$$
$$\text{mod}[3,\,6+10]\,8,\ \text{mod}[3,\,\text{mod}[6,\,10]]\,8,\ \text{mod}[\text{mod}[3,\,6],\,10]\,8,\ 3\,(6+\text{mod}[10,\,8]),$$
$$3\,(6+(10-8)),\ 3\,((6+10)-8),\ 3\,\text{mod}[8,\,6+10],\ 3\,\text{mod}[8\times 6,\,10],\ \text{mod}[3\times 8,\,10]\,6,$$
$$3\,\text{mod}[8,\,10+6],\ \text{mod}[3,\,8]\,10-6,\ \text{mod}[3,\,10+6]\,8,\ \text{mod}[3,\,\text{mod}[10,\,6]]\,8,\ \text{mod}[3,\,10-6]\,8,$$
$$\text{mod}[\text{mod}[3,\,10],\,6]\,8,\ \text{mod}\left[3^{10},\,6\right]\,8,\ 3\,(10+(6-8)),\ 3\times 10-\text{mod}[6,\,8],\ 3\,((10+6)-8),$$
$$3\,(\text{mod}[10,\,8]+6),\ 3\,((10-8)+6),\ 3\,(10-\text{mod}[8,\,6]),\ 3\,(10-(8-6)),\ (6-3)\,\text{mod}[8,\,10],$$
$$6\,\text{mod}[3\times 8,\,10],\ \text{mod}[6-3,\,10]\,8,\ (6-\text{mod}[3,\,10])\,8,\ 6\,\text{mod}[8\times 3,\,10],\ ((6-8)+10)\,3,$$
$$\text{mod}[6\times 8,\,10]\,3,\ (6-(8-10))\,3,\ (\text{mod}[6,\,10]-3)\,8,\ (6+\text{mod}[10,\,8])\,3,\ (6+(10-8))\,3,$$
$$((6+10)-8)\,3,\ 8\,\text{mod}[3,\,6+10],\ 8\,\text{mod}[3,\,\text{mod}[6,\,10]],\ 8\,\text{mod}[\text{mod}[3,\,6],\,10],$$
$$\text{mod}[8\times 3,\,10]\,6,\ 8\,\text{mod}[3,\,10+6],\ 8\,\text{mod}[3,\,\text{mod}[10,\,6]],\ 8\,\text{mod}[3,\,10-6],$$
$$8\,\text{mod}[\text{mod}[3,\,10],\,6],\ 8\,\text{mod}\left[3^{10},\,6\right],\ 8\,\text{mod}[6-3,\,10],\ 8\,(6-\text{mod}[3,\,10]),$$
$$\text{mod}[8,\,6+10]\,3,\ \text{mod}[8\times 6,\,10]\,3,\ 8\,(\text{mod}[6,\,10]-3),\ \text{mod}[8,\,10]\,\text{mod}[3,\,6],$$
$$\text{mod}[8,\,10+6]\,3,\ \text{mod}[8,\,10]\,(6-3),\ 10\times 3-\text{mod}[6,\,8],\ 10\,\text{mod}[3,\,8]-6,\ (10+(6-8))\,3,$$
$$((10+6)-8)\,3,\ (\text{mod}[10,\,8]+6)\,3,\ ((10-8)+6)\,3,\ (10-\text{mod}[8,\,6])\,3,\ (10-(8-6))\,3\Big\}\Big\},$$

$$\Big\{\{3,\,6,\,9,\,9\},\ \Big\{3\times 9+(6-9),\ (3\times 9+6)-9,\ \left(3+\frac{9}{9}\right)\,6,\ \text{Log}[3,\,9\times 9]\,6,\ (3+\text{Log}[9,\,9])\,6,$$
$$\text{Log}[3,\,9]\,9+6,\ \text{Log}\left[3,\,9^9\right]+6,\ (3\times 9-9)+6,\ \text{Log}\left[3,\,(9\times 9)^6\right],\ 3\times 9-\text{mod}[9,\,6],$$
$$3\times 9-(9-6),\ 6+\text{Log}[3,\,9]\,9,\ 6\left(3+\frac{9}{9}\right),\ \frac{6^{\text{mod}[3,9]}}{9},\ \frac{\text{root}[6,\,3]^9}{9},\ 6\,\text{Log}[3,\,9\times 9],$$
$$6+\text{Log}\left[3,\,9^9\right],\ 6\,(3+\text{Log}[9,\,9]),\ 6+(3\times 9-9),\ (6+3\times 9)-9,\ (6-9)+3\times 9,\ \frac{6^{\frac{9}{3}}}{9},$$

$$\frac{\text{mod}[6,\,9]^3}{9},\ \frac{\text{root}\left[6^9,\,3\right]}{9},\ 6+9\,\text{Log}[3,\,9],\ 6-(9-3\times 9),\ 6+(9\times 3-9),\ (6+9\times 3)-9,$$
$$6\left(\frac{9}{9}+3\right),\ 6\,(\text{Log}[9,\,9]+3),\ (6-9)+9\times 3,\ \frac{6}{\text{Log}[9\times 9,\,3]},\ 6+\frac{9}{\text{Log}[9,\,3]},$$
$$6-(9-9\times 3),\ 9\times 3+(6-9),\ (9\times 3+6)-9,\ 9\,\text{Log}[3,\,9]+6,\ (9\times 3-9)+6,$$
$$9\times 3-\text{mod}[9,\,6],\ 9\times 3-(9-6),\ \text{mod}[9,\,6]\,9-3,\ (9-6)\,9-3,\ \text{root}[9,\,6]^9-3,\ \left(\frac{9}{9}+3\right)6,$$
$$(\text{Log}[9,\,9]+3)\,6,\ \frac{9}{\text{Log}[9,\,3]}+6,\ 9\,\text{mod}[9,\,6]-3,\ 9^{\frac{9}{6}}-3,\ \text{root}\left[9^9,\,6\right]-3,\ 9\,(9-6)-3\Big\}\Big\},$$

$$\Big\{\{3,\,6,\,9,\,10\},\ \Big\{(3-9)\,(6-10),\ ((3-9)+10)\,6,\ (3-(9-10))\,6,\ \text{mod}[3,\,9]\,10-6,$$
$$3\times 10-\text{mod}[6,\,9],\ (3+\text{mod}[10,\,9])\,6,\ \text{mod}[3+10,\,9]\,6,\ (3+(10-9))\,6,\ ((3+10)-9)\,6,$$
$$6\,((3-9)+10),\ \frac{6^3}{\text{mod}[9,\,10]},\ 6\,(3-(9-10)),\ \frac{6^{\text{mod}[3,10]}}{9},\ 6\,(3+\text{mod}[10,\,9]),$$
$$6\,\text{mod}[3+10,\,9],\ 6\,(3+(10-9)),\ 6\,((3+10)-9),\ 6\times 9-3\times 10,\ 6\times 9-10\times 3,\ \left(6-\frac{10}{3}\right)9,$$
$$\frac{\text{mod}[6,\,10]^3}{9},\ 6\,\text{mod}[10+3,\,9],\ (6-10)\,(3-9),\ 6\,(10+(3-9)),\ 6\,((10+3)-9),$$
$$6\,(\text{mod}[10,\,9]+3),\ 6\,((10-9)+3),\ 6\,\text{mod}[10,\,9-3],\ 6\,(10-(9-3)),\ (9-3)\,\text{mod}[10,\,6],$$
$$(9-3)\,(10-6),\ \frac{9}{3}\,10-6,\ \frac{9}{\frac{3}{10}}-6,\ 9\times 6-3\times 10,\ 9\left(6-\frac{10}{3}\right),\ 9\times 6-10\times 3,\ 9\times\frac{10}{3}-6,$$
$$\frac{9\times 10}{3}-6,\ 10\times 3-\text{mod}[6,\,9],\ \text{mod}[10+3,\,9]\,6,\ (10+(3-9))\,6,\ ((10+3)-9)\,6,\ \frac{10}{3}\,9-6,$$
$$\frac{10}{\frac{3}{9}}-6,\ 10\,\text{mod}[3,\,9]-6,\ \text{mod}[10,\,6]\,(9-3),\ (10-6)\,(9-3),\ (\text{mod}[10,\,9]+3)\,6,$$
$$((10-9)+3)\,6,\ \text{mod}[10,\,9-3]\,6,\ (10-(9-3))\,6,\ 10\times\frac{9}{3}-6,\ \frac{10\times 9}{3}-6\Big\}\Big\},$$

$$\Big\{\{3,\,6,\,10,\,10\},\ \Big\{\left(3-\frac{6}{10}\right)10,\ 3\times 10-\text{mod}[6,\,10],\ \left(3+\frac{10}{10}\right)6,\ (3+\text{Log}[10,\,10])\,6,$$
$$\text{mod}[3,\,10]\,10-6,\ 6\left(3+\frac{10}{10}\right),\ 6\,(3+\text{Log}[10,\,10]),\ 6\left(\frac{10}{10}+3\right),\ 6\,(\text{Log}[10,\,10]+3),$$
$$10\left(3-\frac{6}{10}\right),\ 10\times 3-\text{mod}[6,\,10],\ 10\,\text{mod}[3,\,10]-6,\ \left(\frac{10}{10}+3\right)6,\ (\text{Log}[10,\,10]+3)\,6\Big\}\Big\},$$

$$\Big\{\{3,\,7,\,7,\,7\},\ \Big\{((3+7)+7)+7,\ (3+(7+7))+7,\ 3\left(\frac{7}{7}+7\right),\ 3\,(\text{Log}[7,\,7]+7),$$
$$(3+7)+(7+7),\ 3+((7+7)+7),\ 3+(7+(7+7)),\ 3\left(7+\frac{7}{7}\right),\ 3\,(7+\text{Log}[7,\,7]),$$
$$((7+3)+7)+7,\ (7+(3+7))+7,\ (7+3)+(7+7),\ 7+((3+7)+7),\ 7+(3+(7+7)),$$
$$((7+7)+3)+7,\ (7+(7+3))+7,\ (7+7)+(3+7),\ 7+((7+3)+7),\ 7+(7+(3+7)),$$
$$\left(\frac{7}{7}+7\right)3,\ (\text{Log}[7,\,7]+7)\,3,\ \left(7+\frac{7}{7}\right)3,\ (7+\text{Log}[7,\,7])\,3,\ ((7+7)+7)+3,$$
$$(7+(7+7))+3,\ (7+7)+(7+3),\ 7+((7+7)+3),\ 7+(7+(7+3))\Big\}\Big\},$$

$$\Big\{\{3,\,7,\,7,\,8\},\ \Big\{\left(\frac{3}{7}\,7\right)8,\ ((3-7)+7)\,8,\ \frac{3}{\frac{7}{7}}\,8,\ \frac{3}{\text{Log}[7,\,7]}\,8,\ \left(3\times\frac{7}{7}\right)8,\ \frac{3\times 7}{7}\,8,$$
$$(3\,\text{Log}[7,\,7])\,8,\ \text{mod}[3,\,7+7]\,8,\ (3+\text{mod}[7,\,7])\,8,\ \text{mod}[3+7,\,7]\,8,\ \text{mod}[\text{mod}[3,\,7],\,7]\,8,$$

$$\mathrm{mod}\left[3^7,\,7\right]\,8,\; 3^{\frac{7}{7}}\,8,\; 3^{\mathrm{Log}[7,7]}\,8,\; \mathrm{root}[3,\,7]^7\,8,\; \mathrm{root}\left[3,\,\frac{7}{7}\right]\,8,\; \mathrm{root}[3,\,\mathrm{Log}[7,\,7]]\,8,$$

$$\mathrm{root}\left[3^7,\,7\right]\,8,\; (3-\mathrm{mod}[7,\,7])\,8,\; (3-(7-7))\,8,\; (3+(7-7))\,8,\; ((3+7)-7)\,8,\; \frac{3}{7}\,(7\times 8),$$

$$3\left(\frac{7}{7}\,8\right),\; 3\,(\mathrm{Log}[7,\,7]\,8),\; 3\,(\mathrm{mod}[7,\,7]+8),\; 3\,((7-7)+8),\; \frac{3}{\frac{7}{7\times 8}},\; \frac{3}{\frac{7}{\frac{7}{8}}},\; \frac{3}{\frac{\mathrm{Log}[7,7]}{8}},$$

$$\frac{3}{\mathrm{Log}[7,\,\mathrm{root}[7,\,8]]},\; 3\,\frac{7}{\frac{7}{8}},\; \frac{3\times 7}{\frac{7}{8}},\; 3\,\mathrm{Log}\left[7,\,7^8\right],\; 3\times 7^{\mathrm{Log}[7,8]},\; 3\,(7-(7-8)),\; \left(\frac{3}{7}\,8\right)\,7,$$

$$\frac{3}{\frac{7}{8}}\,7,\; \frac{3}{7}\,(8\times 7),\; \frac{3}{\frac{7}{8\times 7}},\; \frac{3}{\frac{\frac{7}{8}}{7}},\; \frac{3}{\mathrm{Log}\left[7^8,\,7\right]},\; (3\times 7)\,\frac{8}{7},\; 3\left(7\times\frac{8}{7}\right),\; 3\,\frac{7\times 8}{7},\; \frac{(3\times 7)\,8}{7},\; \frac{3\,(7\times 8)}{7},$$

$$3\,\mathrm{Log}[\mathrm{root}[7,\,8],\,7],\; 3\,(7+\mathrm{mod}[8,\,7]),\; 3\,(7+(8-7)),\; 3\,((7+8)-7),\; \left(3\times\frac{8}{7}\right)\,7,$$

$$\frac{3\times 8}{7}\,7,\; 3\left(\frac{8}{7}\,7\right),\; 3\,(\mathrm{mod}[8,\,7]+7),\; 3\,((8-7)+7),\; (3\times 8-7)+7,\; (3\times 8)\,\frac{7}{7},\; 3\left(8\times\frac{7}{7}\right),$$

$$3\,\frac{8}{\frac{7}{7}},\; 3\,\frac{8}{\mathrm{Log}[7,\,7]},\; 3\,\frac{8\times 7}{7},\; \frac{(3\times 8)\,7}{7},\; \frac{3\times 8}{\frac{7}{7}},\; \frac{3\times 8}{\mathrm{Log}[7,\,7]},\; \frac{3\,(8\times 7)}{7},\; (3\times 8)\,\mathrm{Log}[7,\,7],$$

$$3\,(8\,\mathrm{Log}[7,\,7]),\; 3\,(8+\mathrm{mod}[7,\,7]),\; 3\times 8+\mathrm{mod}[7,\,7],\; 3\,\mathrm{mod}[8,\,7+7],\; 3\times 8^{\frac{7}{7}},\; 3\times 8^{\mathrm{Log}[7,7]},$$

$$(3\times 8)^{\frac{7}{7}},\; (3\times 8)^{\mathrm{Log}[7,7]},\; 3\,\mathrm{root}[8,\,7]^7,\; \mathrm{root}[3\times 8,\,7]^7,\; 3\,\mathrm{root}\left[8,\,\frac{7}{7}\right],\; 3\,\mathrm{root}[8,\,\mathrm{Log}[7,\,7]],$$

$$\mathrm{root}\left[3\times 8,\,\frac{7}{7}\right],\; \mathrm{root}[3\times 8,\,\mathrm{Log}[7,\,7]],\; 3\,\mathrm{root}\left[8^7,\,7\right],\; \mathrm{root}\left[(3\times 8)^7,\,7\right],\; 3\,(8+(7-7)),$$

$$3\times 8+(7-7),\; 3\,(8-\mathrm{mod}[7,\,7]),\; 3\,(8-(7-7)),\; 3\times 8-\mathrm{mod}[7,\,7],\; 3\times 8-(7-7),$$

$$3\,((8+7)-7),\; (3\times 8+7)-7,\; \left(7\times\frac{3}{7}\right)\,8,\; \frac{7\times 3}{7}\,8,\; \mathrm{Log}[\mathrm{root}[7,\,3],\,7]\,8,\; \mathrm{mod}[7+3,\,7]\,8,$$

$$(7+(3-7))\,8,\; ((7+3)-7)\,8,\; 7\left(\frac{3}{7}\,8\right),\; 7\,\frac{3}{\frac{7}{8}},\; \frac{7\times 3}{\frac{7}{8}},\; (7\times 3)\,\frac{8}{7},\; 7\left(3\times\frac{8}{7}\right),\; 7\,\frac{3\times 8}{7},\; \frac{(7\times 3)\,8}{7},$$

$$\frac{7\,(3\times 8)}{7},\; 7+(3\times 8-7),\; (7+3\times 8)-7,\; \left(\frac{7}{7}\,3\right)\,8,\; (\mathrm{Log}[7,\,7]\,3)\,8,\; (\mathrm{mod}[7,\,7]+3)\,8,$$

$$((7-7)+3)\,8,\; \frac{7}{\frac{7}{3}}\,8,\; \mathrm{Log}\left[7,\,7^3\right]\,8,\; \mathrm{mod}[7,\,7-3]\,8,\; 7^{\mathrm{Log}[7,3]}\,8,\; (7-(7-3))\,8,\; \frac{7}{7}\,(3\times 8),$$

$$\mathrm{Log}[7,\,7]\,(3\times 8),\; \mathrm{mod}[7,\,7]+3\times 8,\; (7-7)+3\times 8,\; \frac{7}{\frac{7}{3\times 8}},\; \frac{7}{\frac{7}{\frac{3}{8}}},\; \mathrm{Log}\left[7,\,\left(7^3\right)^8\right],\; 7^{\mathrm{Log}[7,3\times 8]},$$

$$7-(7-3\times 8),\; \left(\frac{7}{7}\,8\right)\,3,\; (\mathrm{Log}[7,\,7]\,8)\,3,\; (\mathrm{mod}[7,\,7]+8)\,3,\; ((7-7)+8)\,3,\; \frac{7}{\frac{7}{8}}\,3,$$

$$\mathrm{Log}\left[7,\,7^8\right]\,3,\; 7^{\mathrm{Log}[7,8]}\,3,\; (7-(7-8))\,3,\; \frac{7}{7}\,(8\times 3),\; \mathrm{Log}[7,\,7]\,(8\times 3),\; \mathrm{mod}[7,\,7]+8\times 3,$$

$$(7-7)+8\times 3,\; \frac{7}{\frac{7}{8\times 3}},\; \frac{7}{\frac{7}{\frac{8}{3}}},\; \mathrm{Log}\left[7,\,\left(7^8\right)^3\right],\; 7^{\mathrm{Log}[7,8\times 3]},\; 7-(7-8\times 3),\; (7\times 8)\,\frac{3}{7},\; 7\left(8\times\frac{3}{7}\right),$$

$$7\,\frac{8\times 3}{7},\ \frac{(7\times 8)\,3}{7},\ \frac{7\,(8\times 3)}{7},\ 7+(8\times 3-7),\ (7+8\times 3)-7,\ \left(7\times\frac{8}{7}\right)3,\ \frac{7\times 8}{7}\,3,$$

$$\text{Log}[\text{root}[7,\,8],\,7]\,3,\ (7+\text{mod}[8,\,7])\,3,\ (7+(8-7))\,3,\ ((7+8)-7)\,3,\ 7\left(\frac{8}{7}\,3\right),\ 7\,\frac{8}{\frac{7}{3}},$$

$$\frac{7\times 8}{\frac{7}{3}},\ \left(8\times\frac{3}{7}\right)7,\ \frac{8\times 3}{7}\,7,\ 8\left(\frac{3}{7}\,7\right),\ 8\,((3-7)+7),\ (8\times 3-7)+7,\ 8\,\frac{3}{\frac{7}{7}},\ 8\,\frac{3}{\text{Log}[7,\,7]},$$

$$(8\times 3)\,\frac{7}{7},\ 8\left(3\times\frac{7}{7}\right),\ \frac{8\times 3}{\frac{7}{7}},\ \frac{8\times 3}{\text{Log}[7,\,7]},\ 8\,\frac{3\times 7}{7},\ \frac{(8\times 3)\,7}{7},\ \frac{8\,(3\times 7)}{7},\ (8\times 3)\,\text{Log}[7,\,7],$$

$$8\,(3\,\text{Log}[7,\,7]),\ 8\,\text{mod}[3,\,7+7],\ 8\,(3+\text{mod}[7,\,7]),\ 8\times 3+\text{mod}[7,\,7],\ 8\,\text{mod}[3+7,\,7],$$

$$8\,\text{mod}[\text{mod}[3,\,7],\,7],\ 8\,\text{mod}\left[3^7,\,7\right],\ 8\times 3^{\frac{7}{7}},\ 8\times 3^{\text{Log}[7,7]},\ (8\times 3)^{\frac{7}{7}},\ (8\times 3)^{\text{Log}[7,7]},$$

$$8\,\text{root}[3,\,7]^7,\ \text{root}[8\times 3,\,7]^7,\ 8\,\text{root}\left[3,\,\frac{7}{7}\right],\ 8\,\text{root}[3,\,\text{Log}[7,\,7]],\ \text{root}\left[8\times 3,\,\frac{7}{7}\right],$$

$$\text{root}[8\times 3,\,\text{Log}[7,\,7]],\ 8\,\text{root}\left[3^7,\,7\right],\ \text{root}\left[(8\times 3)^7,\,7\right],\ 8\,(3-\text{mod}[7,\,7]),$$

$$8\,(3-(7-7)),\ 8\,(3+(7-7)),\ 8\times 3+(7-7),\ 8\times 3-\text{mod}[7,\,7],\ 8\times 3-(7-7),$$

$$8\,((3+7)-7),\ (8\times 3+7)-7,\ \left(\frac{8}{7}\,3\right)7,\ \frac{8}{\frac{7}{3}}\,7,\ \frac{8}{7}\,(3\times 7),\ (8\times 7)\,\frac{3}{7},\ 8\left(7\times\frac{3}{7}\right),\ \frac{8}{\frac{7}{3\times 7}},$$

$$\frac{8}{\frac{\frac{7}{3}}{7}},\ \frac{8}{\text{Log}\left[7^3,\,7\right]},\ 8\,\frac{7\times 3}{7},\ \frac{(8\times 7)\,3}{7},\ \frac{8\,(7\times 3)}{7},\ 8\,\text{Log}[\text{root}[7,\,3],\,7],\ 8\,\text{mod}[7+3,\,7],$$

$$8\,(7+(3-7)),\ 8\,((7+3)-7),\ \left(\frac{8}{7}\,7\right)3,\ (\text{mod}[8,\,7]+7)\,3,\ ((8-7)+7)\,3,\ \left(8\times\frac{7}{7}\right)3,$$

$$\frac{8}{\frac{7}{7}}\,3,\ \frac{8}{\text{Log}[7,\,7]}\,3,\ \frac{8\times 7}{7}\,3,\ (8\,\text{Log}[7,\,7])\,3,\ (8+\text{mod}[7,\,7])\,3,\ \text{mod}[8,\,7+7]\,3,$$

$$8^{\frac{7}{7}}\,3,\ 8^{\text{Log}[7,7]}\,3,\ \text{root}[8,\,7]^7\,3,\ \text{root}\left[8,\,\frac{7}{7}\right]3,\ \text{root}[8,\,\text{Log}[7,\,7]]\,3,\ \text{root}\left[8^7,\,7\right]3,$$

$$(8+(7-7))\,3,\ (8-\text{mod}[7,\,7])\,3,\ (8-(7-7))\,3,\ ((8+7)-7)\,3,\ \frac{8}{7}\,(7\times 3),\ 8\left(\frac{7}{7}\,3\right),$$

$$8\,(\text{Log}[7,\,7]\,3),\ 8\,(\text{mod}[7,\,7]+3),\ 8\,((7-7)+3),\ 8\,\frac{7}{\frac{7}{3}},\ \frac{8}{\frac{7}{7\times 3}},\ \frac{8}{\frac{\frac{7}{7}}{3}},\ \frac{8}{\frac{\text{Log}[7,7]}{3}},$$

$$\frac{8}{\text{Log}[7,\,\text{root}[7,\,3]]},\ \frac{8\times 7}{\frac{7}{3}},\ 8\,\text{Log}\left[7,\,7^3\right],\ 8\,\text{mod}[7,\,7-3],\ 8\times 7^{\text{Log}[7,3]},\ 8\,(7-(7-3))\Big\}\Big\},$$

$$\left\{\{3,\,7,\,7,\,9\},\ \left\{3\left(9-\frac{7}{7}\right),\ 3\,(9-\text{Log}[7,\,7]),\ \left(9-\frac{7}{7}\right)3,\ (9-\text{Log}[7,\,7])\,3\right\}\right\},$$

$$\{\{3,\,7,\,7,\,10\},\ \{(3\times 7-7)+10,\ 3-7\,(7-10),\ 3\times 7-(7-10),\ 3\times 7+\text{mod}[10,\,7],$$
$$3+7\,\text{mod}[10,\,7],\ 3-(7-10)\,7,\ 3\times 7+(10-7),\ 3+7\,(10-7),\ (3\times 7+10)-7,\ 3+\text{mod}[10,\,7]\,7,$$
$$3+(10-7)\,7,\ (7\times 3-7)+10,\ 7\times 3-(7-10),\ 7\times 3+\text{mod}[10,\,7],\ 7\times 3+(10-7),$$
$$(7\times 3+10)-7,\ 7\,\text{mod}[10,\,7]+3,\ 7\,(10-7)+3,\ 10+(3\times 7-7),\ (10+3\times 7)-7,$$
$$\text{mod}[10,\,7]+3\times 7,\ (10-7)+3\times 7,\ 10-(7-3\times 7),\ 10+(7\times 3-7),\ (10+7\times 3)-7,$$
$$\text{mod}[10,\,7]\,7+3,\ (10-7)\,7+3,\ \text{mod}[10,\,7]+7\times 3,\ (10-7)+7\times 3,\ 10-(7-7\times 3)\}\},$$

$$\Big\{\{3,\,7,\,8,\,8\},\ \Big\{\text{mod}[3,\,7+8]\,8,\ \text{mod}[3,\,\text{mod}[7,\,8]]\,8,\ \text{mod}[\text{mod}[3,\,7],\,8]\,8,\ \text{mod}\left[3^7,\,8\right]8,$$

$$3\left(7+\frac{8}{8}\right),\ 3\,(7+\text{Log}[8,\,8]),\ \frac{3}{\text{mod}[8,\,7]}\,8,\ \frac{3}{8-7}\,8,\ \text{mod}[3,\,8+7]\,8,\ (3\,\text{mod}[8,\,7])\,8,$$

$$\text{mod}[3\times 8,\,7]\,8,\ \text{mod}[\text{mod}[3,\,8],\,7]\,8,\ 3^{\text{mod}[8,7]}\,8,\ 3^{8-7}\,8,\ \text{root}[3,\,\text{mod}[8,\,7]]\,8,$$

$$\text{root}[3, 8-7]\ 8,\ (3\ (8-7))\ 8,\ 3\ (\text{mod}[8, 7]\ 8),\ 3\ ((8-7)\ 8),\ \frac{3}{\frac{\text{mod}[8,7]}{8}},\ \frac{3}{\frac{8-7}{8}},$$

$$\frac{3}{8^{7-8}},\ \frac{3}{\text{root}[8, 7-8]},\ 3\ \text{mod}[8, 7+8],\ 3\ \left(\frac{8}{8}+7\right),\ 3\ (\text{Log}[8, 8]+7),\ 3\ \frac{8}{\text{mod}[8, 7]},$$

$$3\ \frac{8}{8-7},\ \frac{3\times 8}{\text{mod}[8, 7]},\ \frac{3\times 8}{8-7},\ (3\times 8)\ \text{mod}[8, 7],\ 3\ (8\ \text{mod}[8, 7]),\ 3\ \text{mod}[8, 8+7],$$

$$3\times 8^{\text{mod}[8,7]},\ 3\times 8^{8-7},\ (3\times 8)^{\text{mod}[8,7]},\ (3\times 8)^{8-7},\ 3\ \text{root}[8, \text{mod}[8, 7]],\ 3\ \text{root}[8, 8-7],$$

$$\text{root}[3\times 8, \text{mod}[8, 7]],\ \text{root}[3\times 8, 8-7],\ (3\times 8)\ (8-7),\ 3\ (8\ (8-7)),\ (7-3)\ 8-8,$$

$$\left(7+\frac{8}{8}\right)\ 3,\ (7+\text{Log}[8, 8])\ 3,\ \text{mod}[8\times 3, 7]\ 8,\ \frac{8}{3^{7-8}},\ \frac{8}{\text{root}[3, 7-8]},\ 8\ \text{mod}[3, 7+8],$$

$$8\ \text{mod}[3, \text{mod}[7, 8]],\ 8\ \text{mod}[\text{mod}[3, 7], 8],\ 8\ \text{mod}\left[3^7, 8\right],\ 8\ \frac{3}{\text{mod}[8, 7]},\ 8\ \frac{3}{8-7},$$

$$\frac{8\times 3}{\text{mod}[8, 7]},\ \frac{8\times 3}{8-7},\ 8\ \text{mod}[3, 8+7],\ (8\times 3)\ \text{mod}[8, 7],\ 8\ (3\ \text{mod}[8, 7]),\ 8\ \text{mod}[3\times 8, 7],$$

$$8\ \text{mod}[\text{mod}[3, 8], 7],\ 8\times 3^{\text{mod}[8,7]},\ 8\times 3^{8-7},\ (8\times 3)^{\text{mod}[8,7]},\ (8\times 3)^{8-7},\ 8\ \text{root}[3, \text{mod}[8, 7]],$$
$$8\ \text{root}[3, 8-7],\ \text{root}[8\times 3, \text{mod}[8, 7]],\ \text{root}[8\times 3, 8-7],\ (8\times 3)\ (8-7),$$
$$8\ (3\ (8-7)),\ (\text{mod}[8, 7]\ 3)\ 8,\ ((8-7)\ 3)\ 8,\ \text{mod}[8, 7]\ (3\times 8),\ (8-7)\ (3\times 8),$$
$$8\ (7-3)-8,\ (\text{mod}[8, 7]\ 8)\ 3,\ ((8-7)\ 8)\ 3,\ \text{mod}[8, 7+8]\ 3,\ \text{mod}[8, 7]\ (8\times 3),$$

$$(8-7)\ (8\times 3),\ 8\ \text{mod}[8\times 3, 7],\ \left(\frac{8}{8}+7\right)\ 3,\ (\text{Log}[8, 8]+7)\ 3,\ \frac{8}{\text{mod}[8, 7]}\ 3,$$

$$\frac{8}{8-7}\ 3,\ (8\ \text{mod}[8, 7])\ 3,\ \text{mod}[8, 8+7]\ 3,\ 8^{\text{mod}[8,7]}\ 3,\ 8^{8-7}\ 3,\ \text{root}[8, \text{mod}[8, 7]]\ 3,$$

$$\text{root}[8, 8-7]\ 3,\ (8\ (8-7))\ 3,\ 8\ (\text{mod}[8, 7]\ 3),\ 8\ ((8-7)\ 3),\ \frac{8}{\frac{\text{mod}[8,7]}{3}},\ \frac{8}{\frac{8-7}{3}}\Big\}\Big\},$$

$$\Big\{\{3, 7, 8, 9\},\ \Big\{3\ ((7-8)+9),\ \text{mod}[3, 7]\ \text{mod}[8, 9],\ 3\ (7-(8-9)),\ \text{mod}[3, 7+9]\ 8,$$
$$\text{mod}[3, \text{mod}[7, 9]]\ 8,\ \text{mod}[3\times 7, 9]\ 8,\ \text{mod}[\text{mod}[3, 7], 9]\ 8,\ 3\ (7+\text{mod}[9, 8]),$$
$$3\ (7+(9-8)),\ 3\ ((7+9)-8),\ 3\ \text{mod}[8, 7+9],\ 3\ \text{mod}\left[8^7, 9\right],\ 3\ \text{mod}[8, 9+7],$$
$$\text{mod}[3, 9+7]\ 8,\ \text{mod}[\text{mod}[3, 9], 7]\ 8,\ 3\ (9+(7-8)),\ 3\ ((9+7)-8),\ 3\ (\text{mod}[9, 8]+7),$$
$$3\ ((9-8)+7),\ 3\ (9-\text{mod}[8, 7]),\ 3\ (9-(8-7)),\ \text{mod}[7\times 3, 9]\ 8,\ ((7-8)+9)\ 3,$$

$$(7-(8-9))\ 3,\ (7+\text{mod}[9, 8])\ 3,\ (7+(9-8))\ 3,\ ((7+9)-8)\ 3,\ \frac{8}{\text{mod}[3, 7]}\ 9,$$

$$\frac{8}{\frac{\text{mod}[3,7]}{9}},\ 8\ \text{mod}[3, 7+9],\ 8\ \text{mod}[3, \text{mod}[7, 9]],\ 8\ \text{mod}[3\times 7, 9],\ 8\ \text{mod}[\text{mod}[3, 7], 9],$$

$$8\ \text{mod}[3, 9+7],\ 8\ \text{mod}[\text{mod}[3, 9], 7],\ 8\ \text{mod}[7\times 3, 9],\ \text{mod}[8, 7+9]\ 3,\ \text{mod}\left[8^7, 9\right]\ 3,$$

$$8\ \frac{9}{\text{mod}[3, 7]},\ \frac{8\times 9}{\text{mod}[3, 7]},\ \text{mod}[8, 9]\ \text{mod}[3, 7],\ 8\ \text{mod}\left[\frac{9}{3}, 7\right],\ \text{mod}[8, 9+7]\ 3,$$

$$\frac{9}{\text{mod}[3, 7]}\ 8,\ \text{mod}\left[\frac{9}{3}, 7\right]\ 8,\ \frac{9}{\frac{\text{mod}[3,7]}{8}},\ (9+(7-8))\ 3,\ ((9+7)-8)\ 3,\ 9\ \frac{8}{\text{mod}[3, 7]},$$

$$\frac{9\times 8}{\text{mod}[3, 7]},\ (\text{mod}[9, 8]+7)\ 3,\ ((9-8)+7)\ 3,\ (9-\text{mod}[8, 7])\ 3,\ (9-(8-7))\ 3\Big\}\Big\},$$

$$\Big\{\{3, 7, 8, 10\},\ \Big\{\text{mod}[3, 7]\ \text{mod}[8, 10],\ \text{mod}[3, \text{mod}[7, 10]]\ 8,\ \text{mod}[\text{mod}[3, 7], 10]\ 8,$$
$$\text{mod}[\text{mod}[3, 10], 7]\ 8,\ \text{mod}\left[7^3, 10\right]\ 8,\ 7\ \text{mod}[8, 3]+10,\ 7\ \text{root}[8, 3]+10,$$
$$\text{mod}[8, 3]\ 7+10,\ \text{root}[8, 3]\ 7+10,\ 8\ \text{mod}[3, \text{mod}[7, 10]],\ 8\ \text{mod}[\text{mod}[3, 7], 10],$$
$$8\ \text{mod}[\text{mod}[3, 10], 7],\ 8\ \text{mod}\left[7^3, 10\right],\ \text{mod}[8, 10]\ \text{mod}[3, 7],$$
$$10+7\ \text{mod}[8, 3],\ 10+7\ \text{root}[8, 3],\ 10+\text{mod}[8, 3]\ 7,\ 10+\text{root}[8, 3]\ 7\Big\}\Big\},$$

$$\left\{\{3, 7, 9, 9\}, \left\{3\left(7+\frac{9}{9}\right), 3\,(7+\text{Log}[9, 9]), 3\left(\frac{9}{9}+7\right), 3\,(\text{Log}[9, 9]+7),\right.\right.$$

$$(3+9)\bmod[9, 7], (3+9)\,(9-7), \left(7+\frac{9}{9}\right)3, (7+\text{Log}[9, 9])\,3, \frac{7\times 9+9}{3},$$

$$(9+3)\bmod[9, 7], (9+3)\,(9-7), \bmod[9, 7]\,(3+9), (9-7)\,(3+9), \bmod[9, 7]\,(9+3),$$

$$\left.(9-7)\,(9+3), \frac{9\times 7+9}{3}, \frac{9+7\times 9}{3}, \left(\frac{9}{9}+7\right)3, (\text{Log}[9, 9]+7)\,3, \frac{9+9\times 7}{3}\right\}\Big\},$$

$$\left\{\{3, 7, 9, 10\}, \left\{3\,((7-9)+10), 3\,(7-(9-10)), 3\,(7+\bmod[10, 9]), 3\bmod[7+10, 9],\right.\right.$$

$$3\,(7+(10-9)), 3\,((7+10)-9), \text{Log}[3, 9]\,7+10, \text{Log}\left[3, 9^7\right]+10, 3\times 9+(7-10),$$

$$(3\times 9+7)-10, (3\times 9-10)+7, 3\times 9-\bmod[10, 7], 3\times 9-(10-7), 3\bmod[10+7, 9],$$

$$3\,(10+(7-9)), 3\,((10+7)-9), 3\,(\bmod[10, 9]+7), 3\,((10-9)+7), 3\,(10-\bmod[9, 7]),$$

$$3\,(10-(9-7)), 7\,\text{Log}[3, 9]+10, 7+(3\times 9-10), (7+3\times 9)-10, \frac{7}{\text{Log}[9, 3]}+10,$$

$$7+(9\times 3-10), (7+9\times 3)-10, ((7-9)+10)\,3, (7-(9-10))\,3, (7-10)+3\times 9, 7-(10-3\times 9),$$

$$(7+\bmod[10, 9])\,3, \bmod[7+10, 9]\,3, (7+(10-9))\,3, ((7+10)-9)\,3, (7-10)+9\times 3,$$

$$7-(10-9\times 3), 9\times 3+(7-10), (9\times 3+7)-10, (9\times 3-10)+7, 9\times 3-\bmod[10, 7], 9\times 3-(10-7),$$

$$9\bmod[10, 7]-3, 9\,(10-7)-3, 10+\text{Log}[3, 9]\,7, 10+\text{Log}\left[3, 9^7\right], 10+7\,\text{Log}[3, 9],$$

$$\bmod[10+7, 9]\,3, (10+(7-9))\,3, ((10+7)-9)\,3, 10+\frac{7}{\text{Log}[9, 3]}, \bmod[10, 7]\,9-3,$$

$$\left.(10-7)\,9-3, (\bmod[10, 9]+7)\,3, ((10-9)+7)\,3, (10-\bmod[9, 7])\,3, (10-(9-7))\,3\right\}\Big\},$$

$$\left\{\{3, 7, 10, 10\}, \left\{3\left(7+\frac{10}{10}\right), 3\,(7+\text{Log}[10, 10]), 3\left(\frac{10}{10}+7\right), 3\,(\text{Log}[10, 10]+7),\right.\right.$$

$$((7-3)+10)+10, (7-(3-10))+10, (7-3)+(10+10), 7-(3-(10+10)), 7-((3-10)-10),$$

$$(7+(10-3))+10, ((7+10)-3)+10, 7+((10-3)+10), 7+(10-(3-10)), (7+10)-(3-10),$$

$$\left(7+\frac{10}{10}\right)3, (7+\text{Log}[10, 10])\,3, (7+10)+(10-3), 7+(10+(10-3)), 7+((10+10)-3),$$

$$((7+10)+10)-3, (7+(10+10))-3, ((10-3)+7)+10, (10-(3-7))+10, (10-3)+(7+10),$$

$$10-(3-(7+10)), 10-((3-7)-10), ((10-3)+10)+7, (10-(3-10))+7,$$

$$(10-3)+(10+7), 10-(3-(10+7)), 10-((3-10)-7), (10+(7-3))+10,$$

$$((10+7)-3)+10, 10+((7-3)+10), 10+(7-(3-10)), (10+7)-(3-10),$$

$$(10+7)+(10-3), 10+(7+(10-3)), 10+((7+10)-3), ((10+7)+10)-3,$$

$$(10+(7+10))-3, (10+(10-3))+7, ((10+10)-3)+7, 10+((10-3)+7),$$

$$10+(10-(3-7)), (10+10)-(3-7), \left(\frac{10}{10}+7\right)3, (\text{Log}[10, 10]+7)\,3, (10+10)+(7-3),$$

$$\left.10+(10+(7-3)), 10+((10+7)-3), ((10+10)+7)-3, (10+(10+7))-3\right\}\Big\},$$

$$\left\{\{3, 8, 8, 8\}, \left\{\left(\frac{3}{8}8\right)8, ((3-8)+8)\,8, \frac{3}{\frac{8}{8}}8, \frac{3}{\text{Log}[8, 8]}8, \left(3\times\frac{8}{8}\right)8, \frac{3\times 8}{8}8,\right.\right.$$

$$(3\,\text{Log}[8, 8])\,8, \bmod[3, 8+8]\,8, (3+\bmod[8, 8])\,8, \bmod[3+8, 8]\,8, \bmod[\bmod[3, 8], 8]\,8,$$

$$3^{\frac{8}{8}}8, 3^{\text{Log}[8,8]}8, \text{root}[3, 8]^8\,8, \text{root}\left[3, \frac{8}{8}\right]8, \text{root}[3, \text{Log}[8, 8]]\,8, \text{root}\left[3^8, 8\right]8,$$

$$(3-\bmod[8, 8])\,8, (3-(8-8))\,8, (3+(8-8))\,8, ((3+8)-8)\,8, \frac{3}{8}(8\times 8), 3\left(\frac{8}{8}8\right),$$

$$3\,(\text{Log}[8, 8]\,8), 3\,(\bmod[8, 8]+8), 3\,((8-8)+8), (3\times 8-8)+8, \frac{3}{\frac{8}{8\times 8}}, \frac{3}{\frac{8}{\frac{8}{8}}}, \frac{3}{\frac{\text{Log}[8,8]}{8}},$$

$$\frac{3}{\text{Log}\left[8^8, 8\right]}, (3\times 8)\,\frac{8}{8}, 3\left(8\times\frac{8}{8}\right), 3\,\frac{8}{\frac{8}{8}}, 3\,\frac{8}{\text{Log}[8, 8]}, \frac{3\times 8}{\frac{8}{8}}, \frac{3\times 8}{\text{Log}[8, 8]}, 3\,\frac{8\times 8}{8},$$

$$\frac{(3\times 8)\ 8}{8},\ \frac{3\ (8\times 8)}{8},\ (3\times 8)\ \text{Log}[8,\ 8],\ 3\ (8\ \text{Log}[8,\ 8]),\ 3\ \text{Log}\left[8,\ 8^8\right],\ 3\ (8+\text{mod}[8,\ 8]),$$

$$3\times 8+\text{mod}[8,\ 8],\ 3\ \text{mod}[8,\ 8+8],\ 3\times 8^{\frac{8}{8}},\ 3\times 8^{\text{Log}[8,8]},\ (3\times 8)^{\frac{8}{8}},\ (3\times 8)^{\text{Log}[8,8]},$$

$$3\ \text{root}[8,\ 8]^8,\ \text{root}[3\times 8,\ 8]^8,\ 3\ \text{root}\left[8,\ \frac{8}{8}\right],\ 3\ \text{root}[8,\ \text{Log}[8,\ 8]],\ \text{root}\left[3\times 8,\ \frac{8}{8}\right],$$

$$\text{root}[3\times 8,\ \text{Log}[8,\ 8]],\ 3\ \text{root}\left[8^8,\ 8\right],\ \text{root}\left[(3\times 8)^8,\ 8\right],\ 3\ (8+(8-8)),\ 3\times 8+(8-8),$$

$$3\ (8-\text{mod}[8,\ 8]),\ 3\ (8-(8-8)),\ 3\times 8-\text{mod}[8,\ 8],\ 3\times 8-(8-8),\ 3\ ((8+8)-8),$$

$$(3\times 8+8)-8,\ \left(8\times\frac{3}{8}\right)\ 8,\ \frac{8\times 3}{8}\ 8,\ \text{Log}[\text{mod}[8,\ 3],\ 8]\ 8,\ \text{Log}[\text{root}[8,\ 3],\ 8]\ 8,$$

$$\text{mod}[8+3,\ 8]\ 8,\ (8+(3-8))\ 8,\ ((8+3)-8)\ 8,\ 8\left(\frac{3}{8}\ 8\right),\ \text{mod}[8,\ 3]\ 8+8,\ \text{root}[8,\ 3]\ 8+8,$$

$$8\ ((3-8)+8),\ (8\times 3-8)+8,\ 8\ \frac{3}{\frac{8}{8}},\ 8\ \frac{3}{\text{Log}[8,\ 8]},\ (8\times 3)\ \frac{8}{8},\ 8\left(3\times\frac{8}{8}\right),\ \frac{8\times 3}{\frac{8}{8}},\ \frac{8\times 3}{\text{Log}[8,\ 8]},$$

$$8\ \frac{3\times 8}{8},\ \frac{(8\times 3)\ 8}{8},\ \frac{8\ (3\times 8)}{8},\ (8\times 3)\ \text{Log}[8,\ 8],\ 8\ (3\ \text{Log}[8,\ 8]),\ \text{Log}\left[\text{mod}[8,\ 3],\ 8^8\right],$$

$$\text{Log}\left[\text{root}[8,\ 3],\ 8^8\right],\ 8\ \text{mod}[3,\ 8+8],\ 8\ (3+\text{mod}[8,\ 8]),\ 8\times 3+\text{mod}[8,\ 8],$$

$$8\ \text{mod}[3+8,\ 8],\ 8\ \text{mod}[\text{mod}[3,\ 8],\ 8],\ 8\times 3^{\frac{8}{8}},\ 8\times 3^{\text{Log}[8,8]},\ (8\times 3)^{\frac{8}{8}},\ (8\times 3)^{\text{Log}[8,8]},$$

$$8\ \text{root}[3,\ 8]^8,\ \text{root}[8\times 3,\ 8]^8,\ 8\ \text{root}\left[3,\ \frac{8}{8}\right],\ 8\ \text{root}[3,\ \text{Log}[8,\ 8]],\ \text{root}\left[8\times 3,\ \frac{8}{8}\right],$$

$$\text{root}[8\times 3,\ \text{Log}[8,\ 8]],\ 8\ \text{root}\left[3^8,\ 8\right],\ \text{root}\left[(8\times 3)^8,\ 8\right],\ 8\ (3-\text{mod}[8,\ 8]),\ 8\ (3-(8-8)),$$

$$8\ (3+(8-8)),\ 8\times 3+(8-8),\ 8\times 3-\text{mod}[8,\ 8],\ 8\times 3-(8-8),\ 8+(3\times 8-8),$$

$$8\ ((3+8)-8),\ (8\times 3+8)-8,\ (8+3\times 8)-8,\ \left(\frac{8}{8}\ 3\right)\ 8,\ (\text{Log}[8,\ 8]\ 3)\ 8,\ (\text{mod}[8,\ 8]+3)\ 8,$$

$$((8-8)+3)\ 8,\ \frac{8}{\frac{8}{3}}\ 8,\ \text{Log}\left[8,\ 8^3\right]\ 8,\ \text{mod}[8,\ 8-3]\ 8,\ 8^{\text{Log}[8,3]}\ 8,\ (8-(8-3))\ 8,\ \frac{8}{8}\ (3\times 8),$$

$$\text{Log}[8,\ 8]\ (3\times 8),\ 8\ \text{mod}[8,\ 3]+8,\ 8\ \text{root}[8,\ 3]+8,\ \text{mod}[8,\ 8]+3\times 8,\ (8-8)+3\times 8,$$

$$8+\text{mod}[8,\ 3]\ 8,\ 8+\text{root}[8,\ 3]\ 8,\ (8\times 8)\ \frac{3}{8},\ 8\left(8\times\frac{3}{8}\right),\ \frac{8}{\frac{8}{3\times 8}},\ \frac{8}{\frac{8}{\frac{3}{8}}},\ \frac{8}{\text{Log}\left[8^3,\ 8\right]},\ 8\ \frac{8\times 3}{8},$$

$$\frac{(8\times 8)\ 3}{8},\ \frac{8\ (8\times 3)}{8},\ \text{Log}\left[8,\ \left(8^3\right)^8\right],\ 8\ \text{Log}[\text{mod}[8,\ 3],\ 8],\ 8\ \text{Log}[\text{root}[8,\ 3],\ 8],$$

$$8\ \text{mod}[8+3,\ 8],\ 8^{\text{Log}[8,3\times 8]},\ 8\ (8+(3-8)),\ 8-(8-3\times 8),\ 8+(8\times 3-8),\ 8\ ((8+3)-8),$$

$$(8+8\times 3)-8,\ \left(\frac{8}{8}\ 8\right)\ 3,\ (\text{Log}[8,\ 8]\ 8)\ 3,\ (\text{mod}[8,\ 8]+8)\ 3,\ ((8-8)+8)\ 3,\ \left(8\times\frac{8}{8}\right)\ 3,$$

$$\frac{8}{\frac{8}{8}}\ 3,\ \frac{8}{\text{Log}[8,\ 8]}\ 3,\ \frac{8\times 8}{8}\ 3,\ (8\ \text{Log}[8,\ 8])\ 3,\ \text{Log}\left[8,\ 8^8\right]\ 3,\ (8+\text{mod}[8,\ 8])\ 3,$$

$$\text{mod}[8,\ 8+8]\ 3,\ 8^{\frac{8}{8}}\ 3,\ 8^{\text{Log}[8,8]}\ 3,\ \text{root}[8,\ 8]^8\ 3,\ \text{root}\left[8,\ \frac{8}{8}\right]\ 3,\ \text{root}[8,\ \text{Log}[8,\ 8]]\ 3,$$

$$\text{root}\left[8^8,\ 8\right]\ 3,\ (8+(8-8))\ 3,\ (8-\text{mod}[8,\ 8])\ 3,\ (8-(8-8))\ 3,\ ((8+8)-8)\ 3,$$

$$\frac{8}{8}\ (8\times 3),\ \text{Log}[8,\ 8]\ (8\times 3),\ 8\left(\frac{8}{8}\ 3\right),\ 8\ (\text{Log}[8,\ 8]\ 3),\ 8\ (\text{mod}[8,\ 8]+3),\ 8\ ((8-8)+3),$$

$$\text{mod}[8,\ 8]+8\times 3,\ (8-8)+8\times 3,\ 8\ \frac{8}{\frac{8}{3}},\ \frac{8}{\frac{8}{8\times 3}},\ \frac{8}{\frac{8}{\frac{8}{8}}},\ \frac{8}{\frac{\text{Log}[8,8]}{3}},\ \frac{8}{\text{Log}[8,\ \text{mod}[8,\ 3]]},$$

$$\frac{8}{\text{Log}[8,\text{root}[8,3]]},\ \frac{8\times 8}{\frac{8}{3}},\ \frac{8\times 8+8}{3},\ \frac{8+8\times 8}{3},\ 8\,\text{Log}\left[8,8^3\right],\ \text{Log}\left[8,\left(8^8\right)^3\right],\ 8+8\,\text{mod}[8,3],$$

$$8\,\text{mod}[8,8-3],\ 8\times 8^{\text{Log}[8,3]},\ 8^{\text{Log}[8,8\times 3]},\ 8+8\,\text{root}[8,3],\ 8\,(8-(8-3)),\ 8-(8-8\times 3)\Big\}\Big\},$$

$$\Big\{\{3,8,8,9\},\ \Big\{\frac{3}{8^{8-9}},\ \frac{3}{\text{root}[8,8-9]},\ \text{mod}[3,8]\,\text{mod}[8,9],\ \text{mod}[3,\text{mod}[8,9]]\,8,$$

$$\text{mod}[\text{mod}[3,8],9]\,8,\ 3\,\frac{8}{\text{mod}[9,8]},\ 3\,\frac{8}{9-8},\ \frac{3\times 8}{\text{mod}[9,8]},\ \frac{3\times 8}{9-8},\ (3\times 8)\,\text{mod}[9,8],$$

$$3\,(8\,\text{mod}[9,8]),\ 3\times 8^{\text{mod}[9,8]},\ 3\times 8^{9-8},\ (3\times 8)^{\text{mod}[9,8]},\ (3\times 8)^{9-8},\ 3\,\text{root}[8,\text{mod}[9,8]],$$

$$3\,\text{root}[8,9-8],\ \text{root}[3\times 8,\text{mod}[9,8]],\ \text{root}[3\times 8,9-8],\ (3\times 8)\,(9-8),\ 3\,(8\,(9-8)),$$

$$\frac{3}{\text{mod}[9,8]}\,8,\ \frac{3}{9-8}\,8,\ \text{Log}[\text{Log}[3,9],8]\,8,\ (3\,\text{mod}[9,8])\,8,\ \text{mod}[3\times 9,8]\,8,$$

$$\text{mod}[\text{mod}[3,9],8]\,8,\ \text{mod}\left[3^9,8\right]\,8,\ 3^{\text{mod}[9,8]}\,8,\ 3^{9-8}\,8,\ \text{root}[3,\text{mod}[9,8]]\,8,\ \text{root}[3,9-8]\,8,$$

$$(3\,(9-8))\,8,\ 3\,(\text{mod}[9,8]\,8),\ 3\,((9-8)\,8),\ \text{Log}[3,9]\,8+8,\ \text{Log}\left[3,9^8\right]+8,\ \frac{3}{\frac{\text{mod}[9,8]}{8}},$$

$$\frac{3}{\frac{9-8}{8}},\ \text{Log}\left[\text{Log}[3,9],8^8\right],\ 3\left(9-\frac{8}{8}\right),\ 3\,(9-\text{Log}[8,8]),\ \frac{8}{\text{mod}[3,8]}\,9,\ \frac{8}{\frac{\text{mod}[3,8]}{9}},\ \frac{8}{3^{8-9}},$$

$$\frac{8}{\text{root}[3,8-9]},\ 8\,\text{mod}[3,\text{mod}[8,9]],\ 8\,\text{mod}[\text{mod}[3,8],9],\ 8\,\text{Log}[3,9]+8,\ 8+\text{Log}[3,9]\,8,$$

$$8\,\frac{3}{\text{mod}[9,8]},\ 8\,\frac{3}{9-8},\ \frac{8\times 3}{\text{mod}[9,8]},\ \frac{8\times 3}{9-8},\ 8+\text{Log}\left[3,9^8\right],\ 8\,\text{Log}[\text{Log}[3,9],8],$$

$$(8\times 3)\,\text{mod}[9,8],\ 8\,(3\,\text{mod}[9,8]),\ 8\,\text{mod}[3\times 9,8],\ 8\,\text{mod}[\text{mod}[3,9],8],\ 8\,\text{mod}\left[3^9,8\right],$$

$$8\times 3^{\text{mod}[9,8]},\ 8\times 3^{9-8},\ (8\times 3)^{\text{mod}[9,8]},\ (8\times 3)^{9-8},\ 8\,\text{root}[3,\text{mod}[9,8]],\ 8\,\text{root}[3,9-8],$$

$$\text{root}[8\times 3,\text{mod}[9,8]],\ \text{root}[8\times 3,9-8],\ (8\times 3)\,(9-8),\ 8\,(3\,(9-8)),\ \frac{8}{\text{Log}[8,\text{Log}[3,9]]},$$

$$8+8\,\text{Log}[3,9],\ 8+\frac{8}{\text{Log}[9,3]},\ \frac{8}{\text{Log}[9,3]}+8,\ 8\,\frac{9}{\text{mod}[3,8]},\ \frac{8\times 9}{\text{mod}[3,8]},\ \text{mod}[8,9]\,\text{mod}[3,8],$$

$$8\,\text{mod}[9\times 3,8],\ 8\,\text{mod}\left[\frac{9}{3},8\right],\ \frac{8}{\text{mod}[9,8]}\,3,\ \frac{8}{9-8}\,3,\ (8\,\text{mod}[9,8])\,3,\ 8^{\text{mod}[9,8]}\,3,\ 8^{9-8}\,3,$$

$$\text{root}[8,\text{mod}[9,8]]\,3,\ \text{root}[8,9-8]\,3,\ (8\,(9-8))\,3,\ 8\,(\text{mod}[9,8]\,3),\ 8\,((9-8)\,3),$$

$$\frac{8}{\frac{\text{mod}[9,8]}{3}},\ \frac{8}{\frac{9-8}{3}},\ 8\,\text{root}[9,\text{mod}[8,3]],\ 8\,\text{root}[9,\text{root}[8,3]],\ \frac{9}{\text{mod}[3,8]}\,8,\ \text{mod}[9\times 3,8]\,8,$$

$$\text{mod}\left[\frac{9}{3},8\right]\,8,\ \frac{9}{\frac{\text{mod}[3,8]}{8}},\ (\text{mod}[9,8]\,3)\,8,\ ((9-8)\,3)\,8,\ \text{root}[9,\text{mod}[8,3]]\,8,$$

$$\text{root}[9,\text{root}[8,3]]\,8,\ \text{mod}[9,8]\,(3\times 8),\ (9-8)\,(3\times 8),\ 9\,\frac{8}{\text{mod}[3,8]},\ \frac{9\times 8}{\text{mod}[3,8]},$$

$$(\text{mod}[9,8]\,8)\,3,\ ((9-8)\,8)\,3,\ \left(9-\frac{8}{8}\right)\,3,\ (9-\text{Log}[8,8])\,3,\ \text{mod}[9,8]\,(8\times 3),\ (9-8)\,(8\times 3)\Big\}\Big\},$$

$$\Big\{\{3,8,8,10\},\ \Big\{\text{mod}[3,8]\,\text{mod}[8,10],\ \text{mod}[3,\text{mod}[8,10]]\,8,\ \text{mod}[\text{mod}[3,8],10]\,8,$$

$$\text{mod}[\text{mod}[3,10],8]\,8,\ 8\,\text{mod}[3,\text{mod}[8,10]],\ 8\,\text{mod}[\text{mod}[3,8],10],$$

$$8\,\text{mod}[\text{mod}[3,10],8],\ \text{mod}[8,10]\,\text{mod}[3,8],\ \frac{8\times 10-8}{3},\ \frac{10\times 8-8}{3}\Big\}\Big\},$$

$$\left\{\{3, 8, 9, 9\}, \left\{\left(3 \times \frac{8}{9}\right) 9, \frac{3 \times 8}{9} 9, 3 \left(\frac{8}{9} 9\right), 3 ((8 - 9) + 9), (3 \times 8 - 9) + 9, 3 \frac{8}{\frac{9}{9}},\right.\right.$$

$$3 \frac{8}{\text{Log}[9, 9]}, (3 \times 8) \frac{9}{9}, 3 \left(8 \times \frac{9}{9}\right), \frac{3 \times 8}{\frac{9}{9}}, \frac{3 \times 8}{\text{Log}[9, 9]}, 3 \frac{8 \times 9}{9}, \frac{(3 \times 8) 9}{9}, \frac{3 (8 \times 9)}{9},$$

$$(3 \times 8) \text{Log}[9, 9], 3 (8 \text{Log}[9, 9]), 3 (8 + \text{mod}[9, 9]), 3 \times 8 + \text{mod}[9, 9], 3 \text{mod}[8 + 9, 9],$$

$$3 \text{mod}[\text{mod}[8, 9], 9], 3 \text{mod}\left[8^9, 9\right], 3 \times 8^{\frac{9}{9}}, 3 \times 8^{\text{Log}[9,9]}, (3 \times 8)^{\frac{9}{9}}, (3 \times 8)^{\text{Log}[9,9]},$$

$$3 \text{root}[8, 9]^9, \text{root}[3 \times 8, 9]^9, 3 \text{root}\left[8, \frac{9}{9}\right], 3 \text{root}[8, \text{Log}[9, 9]], \text{root}\left[3 \times 8, \frac{9}{9}\right],$$

$$\text{root}[3 \times 8, \text{Log}[9, 9]], 3 \text{root}\left[8^9, 9\right], \text{root}\left[(3 \times 8)^9, 9\right], 3 (8 - \text{mod}[9, 9]), 3 (8 - (9 - 9)),$$

$$3 (8 + (9 - 9)), 3 \times 8 + (9 - 9), 3 \times 8 - \text{mod}[9, 9], 3 \times 8 - (9 - 9), 3 ((8 + 9) - 9), (3 \times 8 + 9) - 9,$$

$$\left(\frac{3}{9} 8\right) 9, \frac{3}{\frac{9}{8}} 9, \frac{3}{9} (8 \times 9), \frac{3}{\frac{9}{8 \times 9}}, \frac{3}{\frac{9}{\frac{8}{9}}}, \frac{3}{\text{Log}\left[9^8, 9\right]}, (3 \times 9) \frac{8}{9}, 3 \left(9 \times \frac{8}{9}\right), 3 \frac{9 \times 8}{9}, \frac{(3 \times 9) 8}{9},$$

$$\frac{3 (9 \times 8)}{9}, \text{mod}[3, 9] \text{mod}[8, 9], 3 \text{mod}[9 + 8, 9], 3 (9 + (8 - 9)), 3 ((9 + 8) - 9), \left(\frac{3}{9} 9\right) 8,$$

$$((3 - 9) + 9) 8, \frac{3}{\frac{9}{9}} 8, \frac{3}{\text{Log}[9, 9]} 8, \left(3 \times \frac{9}{9}\right) 8, \frac{3 \times 9}{9} 8, (3 \text{Log}[9, 9]) 8, (3 + \text{mod}[9, 9]) 8,$$

$$\text{mod}[3 + 9, 9] 8, \text{mod}[\text{mod}[3, 9], 9] 8, 3^{\frac{9}{9}} 8, 3^{\text{Log}[9,9]} 8, \text{root}[3, 9]^9 8, \text{root}\left[3, \frac{9}{9}\right] 8,$$

$$\text{root}[3, \text{Log}[9, 9]] 8, \text{root}\left[3^9, 9\right] 8, (3 - \text{mod}[9, 9]) 8, (3 - (9 - 9)) 8, (3 + (9 - 9)) 8,$$

$$((3 + 9) - 9) 8, \frac{3}{9} (9 \times 8), 3 \left(\frac{9}{9} 8\right), 3 (\text{Log}[9, 9] 8), 3 (\text{mod}[9, 9] + 8), 3 ((9 - 9) + 8),$$

$$\frac{3}{\frac{9}{9 \times 8}}, \frac{3}{\frac{9}{\frac{9}{8}}}, \frac{3}{\frac{\text{Log}[9,9]}{8}}, 3 \frac{9}{\frac{9}{8}}, \frac{3 \times 9}{\frac{9}{8}}, 3 \text{Log}\left[9, 9^8\right], 3 \times 9^{\text{Log}[9,8]}, 3 (9 - \text{mod}[9, 8]),$$

$$3 (9 - (9 - 8)), \left(8 \times \frac{3}{9}\right) 9, \frac{8}{\text{mod}[3, 9]} 9, \frac{8 \times 3}{9} 9, 8 \left(\frac{3}{9} 9\right), 8 ((3 - 9) + 9), (8 \times 3 - 9) + 9,$$

$$8 \frac{3}{\frac{9}{9}}, 8 \frac{3}{\text{Log}[9, 9]}, \frac{8}{\frac{\text{mod}[3,9]}{9}}, (8 \times 3) \frac{9}{9}, 8 \left(3 \times \frac{9}{9}\right), \frac{8 \times 3}{\frac{9}{9}}, \frac{8 \times 3}{\text{Log}[9, 9]}, 8 \frac{3 \times 9}{9}, \frac{(8 \times 3) 9}{9},$$

$$\frac{8 (3 \times 9)}{9}, (8 \times 3) \text{Log}[9, 9], 8 (3 \text{Log}[9, 9]), 8 (3 + \text{mod}[9, 9]), 8 \times 3 + \text{mod}[9, 9],$$

$$8 \text{mod}[3 + 9, 9], 8 \text{mod}[\text{mod}[3, 9], 9], 8 \times 3^{\frac{9}{9}}, 8 \times 3^{\text{Log}[9,9]}, (8 \times 3)^{\frac{9}{9}}, (8 \times 3)^{\text{Log}[9,9]},$$

$$8 \text{root}[3, 9]^9, \text{root}[8 \times 3, 9]^9, 8 \text{root}\left[3, \frac{9}{9}\right], 8 \text{root}[3, \text{Log}[9, 9]], \text{root}\left[8 \times 3, \frac{9}{9}\right],$$

$$\text{root}[8 \times 3, \text{Log}[9, 9]], 8 \text{root}\left[3^9, 9\right], \text{root}\left[(8 \times 3)^9, 9\right], 8 (3 - \text{mod}[9, 9]), 8 (3 - (9 - 9)),$$

$$8 (3 + (9 - 9)), 8 \times 3 + (9 - 9), 8 \times 3 - \text{mod}[9, 9], 8 \times 3 - (9 - 9), 8 ((3 + 9) - 9), (8 \times 3 + 9) - 9,$$

$$\left(\frac{8}{9} 3\right) 9, \frac{8}{\frac{9}{3}} 9, \frac{\text{mod}[8, 9]}{3} 9, \frac{8}{9} (3 \times 9), (8 \times 9) \frac{3}{9}, 8 \left(9 \times \frac{3}{9}\right), \frac{8}{\frac{9}{3 \times 9}}, \frac{8}{\frac{\frac{9}{3}}{9}}, \frac{8}{\text{Log}\left[9^3, 9\right]},$$

$$8 \frac{9}{\text{mod}[3, 9]}, 8 \frac{9 \times 3}{9}, \frac{(8 \times 9) 3}{9}, \frac{8 \times 9}{\text{mod}[3, 9]}, \frac{8 (9 \times 3)}{9}, \frac{\text{mod}[8, 9]}{\frac{3}{9}}, \text{mod}[8, 9] \text{mod}[3, 9],$$

$$8 \text{mod}[9 + 3, 9], 8 \text{mod}\left[\frac{9}{3}, 9\right], 8 \text{root}[9, \text{Log}[3, 9]], 8 (9 + (3 - 9)), 8 ((9 + 3) - 9),$$

$$\left(\frac{8}{9}\,9\right)3,\ ((8-9)+9)\,3,\ \frac{8}{\frac{9}{9}}\,3,\ \frac{8}{\text{Log}[9,9]}\,3,\ \left(8\times\frac{9}{9}\right)3,\ \frac{8\times 9}{9}\,3,\ (8\,\text{Log}[9,9])\,3,$$

$$(8+\text{mod}[9,9])\,3,\ \text{mod}[8+9,9]\,3,\ \text{mod}[\text{mod}[8,9],9]\,3,\ \text{mod}\left[8^9,9\right]3,\ 8^{\frac{9}{9}}\,3,\ 8^{\text{Log}[9,9]}\,3,$$

$$\text{root}[8,9]^9\,3,\ \text{root}\left[8,\frac{9}{9}\right]3,\ \text{root}[8,\text{Log}[9,9]]\,3,\ \text{root}\left[8^9,9\right]3,\ (8-\text{mod}[9,9])\,3,$$

$$(8-(9-9))\,3,\ (8+(9-9))\,3,\ ((8+9)-9)\,3,\ \frac{8}{9}\,(9\times 3),\ 8\left(\frac{9}{9}\,3\right),\ 8\,(\text{Log}[9,9]\,3),$$

$$8\,(\text{mod}[9,9]+3),\ 8\,((9-9)+3),\ \frac{8}{\frac{9}{9\times 3}},\ \frac{8}{\frac{9}{\frac{9}{3}}},\ \frac{8}{\frac{\text{Log}[9,9]}{3}},\ \text{mod}[8,9]\,\frac{9}{3},\ 8\,\frac{9}{\frac{9}{3}},\ \frac{8\times 9}{\frac{9}{3}},$$

$$\frac{\text{mod}[8,9]\,9}{3},\ 8\,\text{Log}\left[9,9^3\right],\ 8\,\text{mod}[9,9-3],\ 8\times 9^{\text{Log}[9,3]},\ 8\,(9-(9-3)),\ (9\times 3)\,\frac{8}{9},$$

$$9\left(3\times\frac{8}{9}\right),\ \frac{9}{\frac{3}{\text{mod}[8,9]}},\ 9\,\frac{3\times 8}{9},\ \frac{(9\times 3)\,8}{9},\ \frac{9\,(3\times 8)}{9},\ \frac{9}{3}\,\text{mod}[8,9],\ 9+(3\times 8-9),\ (9+3\times 8)-9,$$

$$\left(9\times\frac{3}{9}\right)8,\ \frac{9}{\text{mod}[3,9]}\,8,\ \frac{9\times 3}{9}\,8,\ \text{mod}[9+3,9]\,8,\ \text{mod}\left[\frac{9}{3},9\right]8,\ \text{root}[9,\text{Log}[3,9]]\,8,$$

$$(9+(3-9))\,8,\ ((9+3)-9)\,8,\ 9\left(\frac{3}{9}\,8\right),\ 9\,\frac{3}{\frac{9}{8}},\ \frac{9}{\frac{\text{mod}[3,9]}{8}},\ \frac{9\times 3}{\frac{9}{8}},\ (9\times 8)\,\frac{3}{9},\ 9\left(8\times\frac{3}{9}\right),$$

$$9\,\frac{8}{\text{mod}[3,9]},\ 9\,\frac{8\times 3}{9},\ \frac{(9\times 8)\,3}{9},\ \frac{9\times 8}{\text{mod}[3,9]},\ \frac{9\,(8\times 3)}{9},\ 9+(8\times 3-9),\ (9+8\times 3)-9,$$

$$\left(9\times\frac{8}{9}\right)3,\ \frac{9\times 8}{9}\,3,\ \text{mod}[9+8,9]\,3,\ (9+(8-9))\,3,\ ((9+8)-9)\,3,\ 9\left(\frac{8}{9}\,3\right),\ 9\,\frac{8}{\frac{9}{3}},$$

$$\frac{9\times 8}{\frac{9}{3}},\ 9\,\frac{\text{mod}[8,9]}{3},\ \frac{9\,\text{mod}[8,9]}{3},\ \left(\frac{9}{9}\,3\right)8,\ (\text{Log}[9,9]\,3)\,8,\ (\text{mod}[9,9]+3)\,8,$$

$$((9-9)+3)\,8,\ \frac{9}{\frac{9}{3}}\,8,\ \text{Log}\left[9,9^3\right]8,\ \text{mod}[9,9-3]\,8,\ 9^{\text{Log}[9,3]}\,8,\ (9-(9-3))\,8,\ \frac{9}{9}\,(3\times 8),$$

$$\text{Log}[9,9]\,(3\times 8),\ \text{mod}[9,9]+3\times 8,\ (9-9)+3\times 8,\ \frac{9}{\frac{9}{3\times 8}},\ \frac{9}{\frac{\frac{9}{3}}{8}},\ \text{Log}\left[9,\left(9^3\right)^8\right],\ 9^{\text{Log}[9,3\times 8]},$$

$$9-(9-3\times 8),\ \left(\frac{9}{9}\,8\right)3,\ (\text{Log}[9,9]\,8)\,3,\ (\text{mod}[9,9]+8)\,3,\ ((9-9)+8)\,3,\ \frac{9}{\frac{9}{8}}\,3,$$

$$\text{Log}\left[9,9^8\right]3,\ 9^{\text{Log}[9,8]}\,3,\ (9-\text{mod}[9,8])\,3,\ (9-(9-8))\,3,\ \frac{9}{9}\,(8\times 3),\ \text{Log}[9,9]\,(8\times 3),$$

$$\text{mod}[9,9]+8\times 3,\ (9-9)+8\times 3,\ \frac{9}{\frac{9}{8\times 3}},\ \frac{9}{\frac{\frac{9}{8}}{3}},\ \text{Log}\left[9,\left(9^8\right)^3\right],\ 9^{\text{Log}[9,8\times 3]},\ 9-(9-8\times 3)\Big\}\Big\},$$

$$\Big\{\{3,8,9,10\},\ \Big\{\frac{3}{8^{9-10}},\ \frac{3}{\text{root}[8,9-10]},\ 3\,\text{mod}[8,\text{mod}[9,10]],\ 3\,\text{mod}[\text{mod}[8,9],10],$$

$$3\,\text{mod}\left[8^9,10\right],\ 3\,\frac{8}{\text{mod}[10,9]},\ 3\,\frac{8}{10-9},\ \frac{3\times 8}{\text{mod}[10,9]},\ \frac{3\times 8}{10-9},\ (3\times 8)\,\text{mod}[10,9],$$

$$3\,(8\,\text{mod}[10,9]),\ 3\,\text{mod}[8\times 10,9],\ 3\,\text{mod}[\text{mod}[8,10],9],\ 3\times 8^{\text{mod}[10,9]},\ 3\times 8^{10-9},$$

$(3\times 8)^{\text{mod}[10,9]}$, $(3\times 8)^{10-9}$, $3\,\text{root}[8,\text{mod}[10,9]]$, $3\,\text{root}[8,10-9]$, $\text{root}[3\times 8,\text{mod}[10,9]]$, $\text{root}[3\times 8,10-9]$, $(3\times 8)\,(10-9)$, $3\,(8\,(10-9))$, $\text{mod}[3,9]\,\text{mod}[8,10]$, $\text{mod}[3,\text{mod}[9,10]]\,8$, $\text{mod}[\text{mod}[3,9],10]\,8$, $\text{mod}\left[3^9,10\right]\,8$, $(3+9)\,\text{mod}[10,8]$, $(3+9)\,(10-8)$, $\text{mod}[3,10]\,\text{mod}[8,9]$, $3\,\text{mod}[10\times 8,9]$, $\frac{3}{\text{mod}[10,9]}\,8$, $\frac{3}{10-9}\,8$, $(3\,\text{mod}[10,9])\,8$, $\text{mod}[3\times 10,9]\,8$, $\text{mod}[\text{mod}[3,10],9]\,8$, $3^{\text{mod}[10,9]}\,8$, $3^{10-9}\,8$, $\text{root}[3,\text{mod}[10,9]]\,8$, $\text{root}[3,10-9]\,8$, $(3\,(10-9))\,8$, $3\,(\text{mod}[10,9]\,8)$, $3\,((10-9)\,8)$, $\frac{3}{\frac{\text{mod}[10,9]}{8}}$, $\frac{3}{\frac{10-9}{8}}$, $((8-3)+9)+10$, $(8-(3-9))+10$, $(8-3)+(9+10)$, $\frac{8}{\frac{3}{\text{mod}[9,10]}}$, $\frac{8}{3^{9-10}}$, $\frac{8}{\text{root}[3,9-10]}$, $8\,\text{mod}[3,\text{mod}[9,10]]$, $\frac{8}{3}\,\text{mod}[9,10]$, $8\,\text{mod}[\text{mod}[3,9],10]$, $8\,\text{mod}\left[3^9,10\right]$, $8-(3-(9+10))$, $8-((3-9)-10)$, $\frac{8}{\text{mod}[3,10]}\,9$, $((8-3)+10)+9$, $(8-(3-10))+9$, $(8-3)+(10+9)$, $8\,\frac{3}{\text{mod}[10,9]}$, $8\,\frac{3}{10-9}$, $\frac{8}{\frac{\text{mod}[3,10]}{9}}$, $\frac{8\times 3}{\text{mod}[10,9]}$, $\frac{8\times 3}{10-9}$, $(8\times 3)\,\text{mod}[10,9]$, $8\,(3\,\text{mod}[10,9])$, $8\,\text{mod}[3\times 10,9]$, $8\,\text{mod}[\text{mod}[3,10],9]$, $8\times 3^{\text{mod}[10,9]}$, $8\times 3^{10-9}$, $(8\times 3)^{\text{mod}[10,9]}$, $(8\times 3)^{10-9}$, $8\,\text{root}[3,\text{mod}[10,9]]$, $8\,\text{root}[3,10-9]$, $\text{root}[8\times 3,\text{mod}[10,9]]$, $\text{root}[8\times 3,10-9]$, $8-(3-(10+9))$, $8-((3-10)-9)$, $(8\times 3)\,(10-9)$, $8\,(3\,(10-9))$, $(8+(9-3))+10$, $((8+9)-3)+10$, $8+((9-3)+10)$, $8\,\frac{9}{\text{mod}[3,10]}$, $\frac{8\times 9}{\text{mod}[3,10]}$, $\text{mod}[8,9]\,\text{mod}[3,10]$, $8\,\text{mod}\left[\frac{9}{3},10\right]$, $8+(9-(3-10))$, $(8+9)-(3-10)$, $\text{mod}[8,\text{mod}[9,10]]\,3$, $\text{mod}[\text{mod}[8,9],10]\,3$, $\text{mod}\left[8^9,10\right]\,3$, $8\,\frac{\text{mod}[9,10]}{3}$, $\frac{8\,\text{mod}[9,10]}{3}$, $(8+9)+(10-3)$, $8+(9+(10-3))$, $8+((9+10)-3)$, $((8+9)+10)-3$, $(8+(9+10))-3$, $\frac{\text{mod}[8,10]}{3}\,9$, $(8+(10-3))+9$, $((8+10)-3)+9$, $8+((10-3)+9)$, $\frac{\text{mod}[8,10]}{\frac{3}{9}}$, $\text{mod}[8,10]\,\text{mod}[3,9]$, $8\,\text{mod}[10\times 3,9]$, $8+(10-(3-9))$, $(8+10)-(3-9)$, $\frac{8}{\text{mod}[10,9]}\,3$, $\frac{8}{10-9}\,3$, $(8\,\text{mod}[10,9])\,3$, $\text{mod}[8\times 10,9]\,3$, $\text{mod}[\text{mod}[8,10],9]\,3$, $8^{\text{mod}[10,9]}\,3$, $8^{10-9}\,3$, $\text{root}[8,\text{mod}[10,9]]\,3$, $\text{root}[8,10-9]\,3$, $(8\,(10-9))\,3$, $8\,(\text{mod}[10,9]\,3)$, $8\,((10-9)\,3)$, $\frac{8}{\frac{\text{mod}[10,9]}{3}}$, $\frac{8}{\frac{10-9}{3}}$, $\text{mod}[8,10]\,\frac{9}{3}$, $\frac{\text{mod}[8,10]\,9}{3}$, $(8+10)+(9-3)$, $8+(10+(9-3))$, $8+((10+9)-3)$, $((8+10)+9)-3$, $(8+(10+9))-3$, $((9-3)+8)+10$, $(9-(3-8))+10$, $(9-3)+(8+10)$, $\frac{9}{\frac{3}{\text{mod}[8,10]}}$, $\frac{9}{3}\,\text{mod}[8,10]$, $9-(3-(8+10))$, $9-((3-8)-10)$, $\frac{9}{\text{mod}[3,10]}\,8$, $\text{mod}\left[\frac{9}{3},10\right]\,8$, $((9-3)+10)+8$, $(9-(3-10))+8$, $(9-3)+(10+8)$, $\frac{9}{\frac{\text{mod}[3,10]}{8}}$, $(9+3)\,\text{mod}[10,8]$, $9-(3-(10+8))$, $9-((3-10)-8)$, $(9+3)\,(10-8)$, $(9+(8-3))+10$, $((9+8)-3)+10$,

$$9+((8-3)+10),\ 9\,\frac{8}{\text{mod}[3,\,10]},\ \frac{9\times 8}{\text{mod}[3,\,10]},\ 9+(8-(3-10)),\ (9+8)-(3-10),$$

$$9\,\frac{\text{mod}[8,\,10]}{3},\ \frac{9\,\text{mod}[8,\,10]}{3},\ (9+8)+(10-3),\ 9+(8+(10-3)),\ 9+((8+10)-3),$$

$$((9+8)+10)-3,\ (9+(8+10))-3,\ \frac{\text{mod}[9,\,10]}{3}\,8,\ (9+(10-3))+8,\ ((9+10)-3)+8,$$

$$9+((10-3)+8),\ \frac{\text{mod}[9,\,10]}{\frac{3}{8}},\ 9+(10-(3-8)),\ (9+10)-(3-8),\ \text{mod}[9,\,10]\,\frac{8}{3},$$

$$\frac{\text{mod}[9,\,10]\,8}{3},\ (9+10)+(8-3),\ 9+(10+(8-3)),\ 9+((10+8)-3),\ ((9+10)+8)-3,$$

$$(9+(10+8))-3,\ ((10-3)+8)+9,\ (10-(3-8))+9,\ (10-3)+(8+9),\ 10-(3-(8+9)),$$

$$10-((3-8)-9),\ \text{mod}[10\times 3,\,9]\,8,\ ((10-3)+9)+8,\ (10-(3-9))+8,\ (10-3)+(9+8),$$

$$10-(3-(9+8)),\ 10-((3-9)-8),\ \text{mod}[10,\,8]\,(3+9),\ (10-8)\,(3+9),\ (10+(8-3))+9,$$

$$((10+8)-3)+9,\ 10+((8-3)+9),\ 10+(8-(3-9)),\ (10+8)-(3-9),\ \text{mod}[10\times 8,\,9]\,3,$$

$$\text{mod}[10,\,8]\,(9+3),\ (10-8)\,(9+3),\ (10+8)+(9-3),\ 10+(8+(9-3)),\ 10+((8+9)-3),$$

$$((10+8)+9)-3,\ (10+(8+9))-3,\ (\text{mod}[10,\,9]\,3)\,8,\ ((10-9)\,3)\,8,\ \text{mod}[10,\,9]\,(3\times 8),$$

$$(10-9)\,(3\times 8),\ (10+(9-3))+8,\ ((10+9)-3)+8,\ 10+((9-3)+8),\ 10+(9-(3-8)),$$

$$(10+9)-(3-8),\ (\text{mod}[10,\,9]\,8)\,3,\ ((10-9)\,8)\,3,\ \text{mod}[10,\,9]\,(8\times 3),\ (10-9)\,(8\times 3),$$

$$(10+9)+(8-3),\ 10+(9+(8-3)),\ 10+((9+8)-3),\ ((10+9)+8)-3,\ (10+(9+8))-3\Big\}\Big\},$$

$$\Big\{\{3,\,8,\,10,\,10\},\ \Big\{\Big(3\times\frac{8}{10}\Big)\,10,\ \frac{3\times 8}{10}\,10,\ 3\,\Big(\frac{8}{10}\,10\Big),\ 3\,((8-10)+10),\ (3\times 8-10)+10,$$

$$3\,\frac{8}{\frac{10}{10}},\ 3\,\frac{8}{\text{Log}[10,\,10]},\ (3\times 8)\,\frac{10}{10},\ 3\,\Big(8\times\frac{10}{10}\Big),\ \frac{3\times 8}{\frac{10}{10}},\ \frac{3\times 8}{\text{Log}[10,\,10]},\ 3\,\frac{8\times 10}{10},\ \frac{(3\times 8)\,10}{10},$$

$$\frac{3\,(8\times 10)}{10},\ (3\times 8)\,\text{Log}[10,\,10],\ 3\,(8\,\text{Log}[10,\,10]),\ 3\,(8+\text{mod}[10,\,10]),\ 3\times 8+\text{mod}[10,\,10],$$

$$3\,\text{mod}[8+10,\,10],\ 3\,\text{mod}[\text{mod}[8,\,10],\,10],\ 3\times 8^{\frac{10}{10}},\ 3\times 8^{\text{Log}[10,10]},\ (3\times 8)^{\frac{10}{10}},\ (3\times 8)^{\text{Log}[10,10]},$$

$$3\,\text{root}[8,\,10]^{10},\ \text{root}[3\times 8,\,10]^{10},\ 3\,\text{root}\Big[8,\,\frac{10}{10}\Big],\ 3\,\text{root}[8,\,\text{Log}[10,\,10]],$$

$$\text{root}\Big[3\times 8,\,\frac{10}{10}\Big],\ \text{root}[3\times 8,\,\text{Log}[10,\,10]],\ 3\,\text{root}\Big[8^{10},\,10\Big],\ \text{root}\Big[(3\times 8)^{10},\,10\Big],$$

$$3\,(8-\text{mod}[10,\,10]),\ 3\,(8-(10-10)),\ 3\,(8+(10-10)),\ 3\times 8+(10-10),\ 3\times 8-\text{mod}[10,\,10],$$

$$3\times 8-(10-10),\ 3\,((8+10)-10),\ (3\times 8+10)-10,\ \Big(\frac{3}{10}\,8\Big)\,10,\ \frac{3}{\frac{10}{8}}\,10,\ \frac{3}{10}\,(8\times 10),$$

$$\frac{3}{\frac{10}{8\times 10}},\ \frac{3}{\frac{10}{\frac{8}{10}}},\ \frac{3}{\text{Log}\big[10^8,\,10\big]},\ (3\times 10)\,\frac{8}{10},\ 3\,\Big(10\times\frac{8}{10}\Big),\ 3\,\frac{10\times 8}{10},\ \frac{(3\times 10)\,8}{10},\ \frac{3\,(10\times 8)}{10},$$

$$3\,\text{Log}[\text{root}[10,\,8],\,10],\ \text{mod}[3,\,10]\,\text{mod}[8,\,10],\ 3\,\text{mod}[10+8,\,10],\ 3\,(10+(8-10)),$$

$$3\,((10+8)-10),\ \Big(\frac{3}{10}\,10\Big)\,8,\ ((3-10)+10)\,8,\ \frac{3}{\frac{10}{10}}\,8,\ \frac{3}{\text{Log}[10,\,10]}\,8,\ \Big(3\times\frac{10}{10}\Big)\,8,\ \frac{3\times 10}{10}\,8,$$

$$(3\,\text{Log}[10,\,10])\,8,\ (3+\text{mod}[10,\,10])\,8,\ \text{mod}[3+10,\,10]\,8,\ \text{mod}[\text{mod}[3,\,10],\,10]\,8,\ 3^{\frac{10}{10}}\,8,$$

$$3^{\text{Log}[10,10]}\,8,\ \text{root}[3,\,10]^{10}\,8,\ \text{root}\Big[3,\,\frac{10}{10}\Big]\,8,\ \text{root}[3,\,\text{Log}[10,\,10]]\,8,\ \text{root}\Big[3^{10},\,10\Big]\,8,$$

$$(3-\text{mod}[10,\,10])\,8,\ (3-(10-10))\,8,\ (3+(10-10))\,8,\ ((3+10)-10)\,8,\ \frac{3}{10}\,(10\times 8),$$

$$3\left(\frac{10}{10}\,8\right),\ 3\,(\text{Log}[10,\,10]\,8),\ 3\,(\text{mod}[10,\,10]+8),\ 3\,((10-10)+8),\ \frac{3}{\frac{10}{10\times 8}},\ \frac{3}{\frac{10}{\frac{10}{8}}},\ \frac{3}{\frac{\text{Log}[10,10]}{8}},$$

$$\frac{3}{\text{Log}[10,\,\text{root}[10,\,8]]},\ 3\,\frac{10}{\frac{10}{8}},\ \frac{3\times 10}{\frac{10}{8}},\ 3\,\text{Log}\left[10,\,10^8\right],\ 3\times 10^{\text{Log}[10,8]},\ 3\,(10-\text{mod}[10,\,8]),$$

$$3\,(10-(10-8)),\ \left(8\times\frac{3}{10}\right)10,\ \frac{8\times 3}{10}\,10,\ 8\left(\frac{3}{10}\,10\right),\ 8\,((3-10)+10),\ (8\times 3-10)+10,$$

$$8\,\frac{3}{\frac{10}{10}},\ 8\,\frac{3}{\text{Log}[10,\,10]},\ (8\times 3)\,\frac{10}{10},\ 8\left(3\times\frac{10}{10}\right),\ \frac{8\times 3}{\frac{10}{10}},\ \frac{8\times 3}{\text{Log}[10,\,10]},\ 8\,\frac{3\times 10}{10},\ \frac{(8\times 3)\,10}{10},$$

$$\frac{8\,(3\times 10)}{10},\ (8\times 3)\,\text{Log}[10,\,10],\ 8\,(3\,\text{Log}[10,\,10]),\ 8\,(3+\text{mod}[10,\,10]),\ 8\times 3+\text{mod}[10,\,10],$$

$$8\,\text{mod}[3+10,\,10],\ 8\,\text{mod}[\text{mod}[3,\,10],\,10],\ 8\times 3^{\frac{10}{10}},\ 8\times 3^{\text{Log}[10,10]},\ (8\times 3)^{\frac{10}{10}},\ (8\times 3)^{\text{Log}[10,10]},$$

$$8\,\text{root}[3,\,10]^{10},\ \text{root}[8\times 3,\,10]^{10},\ 8\,\text{root}\left[3,\,\frac{10}{10}\right],\ 8\,\text{root}[3,\,\text{Log}[10,\,10]],$$

$$\text{root}\left[8\times 3,\,\frac{10}{10}\right],\ \text{root}[8\times 3,\,\text{Log}[10,\,10]],\ 8\,\text{root}\left[3^{10},\,10\right],\ \text{root}\left[(8\times 3)^{10},\,10\right],$$

$$8\,(3-\text{mod}[10,\,10]),\ 8\,(3-(10-10)),\ 8\,(3+(10-10)),\ 8\times 3+(10-10),\ 8\times 3-\text{mod}[10,\,10],$$

$$8\times 3-(10-10),\ 8\,((3+10)-10),\ (8\times 3+10)-10,\ \left(\frac{8}{10}\,3\right)10,\ \frac{8}{\frac{10}{3}}\,10,\ \frac{8}{10}\,(3\times 10),$$

$$(8\times 10)\,\frac{3}{10},\ 8\left(10\times\frac{3}{10}\right),\ \frac{8}{\frac{10}{3\times 10}},\ \frac{8}{\frac{\frac{10}{3}}{10}},\ \frac{8}{\text{Log}\left[10^3,\,10\right]},\ 8\,\frac{10\times 3}{10},\ \frac{(8\times 10)\,3}{10},\ \frac{8\,(10\times 3)}{10},$$

$$8\,\text{Log}[\text{root}[10,\,3],\,10],\ \text{mod}[8,\,10]\,\text{mod}[3,\,10],\ 8\,\text{mod}[10+3,\,10],\ 8\,(10+(3-10)),$$

$$8\,((10+3)-10),\ \left(\frac{8}{10}\,10\right)3,\ ((8-10)+10)\,3,\ \frac{8}{\frac{10}{10}}\,3,\ \frac{8}{\text{Log}[10,\,10]}\,3,\ \left(8\times\frac{10}{10}\right)3,\ \frac{8\times 10}{10}\,3,$$

$$(8\,\text{Log}[10,\,10])\,3,\ (8+\text{mod}[10,\,10])\,3,\ \text{mod}[8+10,\,10]\,3,\ \text{mod}[\text{mod}[8,\,10],\,10]\,3,\ 8^{\frac{10}{10}}\,3,$$

$$8^{\text{Log}[10,10]}\,3,\ \text{root}[8,\,10]^{10}\,3,\ \text{root}\left[8,\,\frac{10}{10}\right]\,3,\ \text{root}[8,\,\text{Log}[10,\,10]]\,3,\ \text{root}\left[8^{10},\,10\right]\,3,$$

$$(8-\text{mod}[10,\,10])\,3,\ (8-(10-10))\,3,\ (8+(10-10))\,3,\ ((8+10)-10)\,3,\ \frac{8}{10}\,(10\times 3),$$

$$8\left(\frac{10}{10}\,3\right),\ 8\,(\text{Log}[10,\,10]\,3),\ 8\,(\text{mod}[10,\,10]+3),\ 8\,((10-10)+3),\ \frac{8}{\frac{10}{10\times 3}},\ \frac{8}{\frac{\frac{10}{10}}{3}},$$

$$\frac{8}{\frac{\text{Log}[10,10]}{3}},\ \frac{8}{\text{Log}[10,\,\text{root}[10,\,3]]},\ 8\,\frac{10}{\frac{10}{3}},\ \frac{8\times 10}{\frac{10}{3}},\ 8\,\text{Log}\left[10,\,10^3\right],\ 8\,\text{mod}[10,\,10-3],$$

$$8\times 10^{\text{Log}[10,3]},\ 8\,(10-(10-3)),\ (10\times 3)\,\frac{8}{10},\ 10\left(3\times\frac{8}{10}\right),\ 10\,\frac{3\times 8}{10},\ \frac{(10\times 3)\,8}{10},\ \frac{10\,(3\times 8)}{10},$$

$$10+(3\times 8-10),\ (10+3\times 8)-10,\ \left(10\times\frac{3}{10}\right)8,\ \frac{10\times 3}{10}\,8,\ \text{Log}[\text{root}[10,\,3],\,10]\,8,$$

$$\text{mod}[10+3,\,10]\,8,\ (10+(3-10))\,8,\ ((10+3)-10)\,8,\ 10\left(\frac{3}{10}\,8\right),\ 10\,\frac{3}{\frac{10}{8}},\ \frac{10\times 3}{\frac{10}{8}},$$

$$(10\times 8)\ \frac{3}{10},\ 10\left(8\times\frac{3}{10}\right),\ 10\ \frac{8\times 3}{10},\ \frac{(10\times 8)\ 3}{10},\ \frac{10\ (8\times 3)}{10},\ 10+(8\times 3-10),$$

$$(10+8\times 3)-10,\ \left(10\times\frac{8}{10}\right)3,\ \frac{10\times 8}{10}\ 3,\ \text{Log}[\text{root}[10,\ 8],\ 10]\ 3,\ \text{mod}[10+8,\ 10]\ 3,$$

$$(10+(8-10))\ 3,\ ((10+8)-10)\ 3,\ 10\left(\frac{8}{10}\ 3\right),\ 10\ \frac{8}{\frac{10}{3}},\ \frac{10\times 8}{\frac{10}{3}},\ \left(\frac{10}{10}\ 3\right)8,\ (\text{Log}[10,\ 10]\ 3)\ 8,$$

$$(\text{mod}[10,\ 10]+3)\ 8,\ ((10-10)+3)\ 8,\ \frac{10}{\frac{10}{3}}\ 8,\ \text{Log}\left[10,\ 10^3\right]\ 8,\ \text{mod}[10,\ 10-3]\ 8,$$

$$10^{\text{Log}[10,3]}\ 8,\ (10-(10-3))\ 8,\ \frac{10}{10}\ (3\times 8),\ \text{Log}[10,\ 10]\ (3\times 8),\ \text{mod}[10,\ 10]+3\times 8,$$

$$(10-10)+3\times 8,\ \frac{10}{\frac{10}{3\times 8}},\ \frac{10}{\frac{\frac{10}{3}}{8}},\ \text{Log}\left[10,\ \left(10^3\right)^8\right],\ 10^{\text{Log}[10,3\times 8]},\ 10-(10-3\times 8),\ \left(\frac{10}{10}\ 8\right)3,$$

$$(\text{Log}[10,\ 10]\ 8)\ 3,\ (\text{mod}[10,\ 10]+8)\ 3,\ ((10-10)+8)\ 3,\ \frac{10}{\frac{10}{8}}\ 3,\ \text{Log}\left[10,\ 10^8\right]\ 3,\ 10^{\text{Log}[10,8]}\ 3,$$

$$(10-\text{mod}[10,\ 8])\ 3,\ (10-(10-8))\ 3,\ \frac{10}{10}\ (8\times 3),\ \text{Log}[10,\ 10]\ (8\times 3),\ \text{mod}[10,\ 10]+8\times 3,$$

$$(10-10)+8\times 3,\ \frac{10}{\frac{10}{8\times 3}},\ \frac{10}{\frac{\frac{10}{8}}{3}},\ \text{Log}\left[10,\ \left(10^8\right)^3\right],\ 10^{\text{Log}[10,8\times 3]},\ 10-(10-8\times 3)\Big\}\Big\},$$

$$\Big\{\{3,\ 9,\ 9,\ 9\},\ \Big\{3\left(9-\frac{9}{9}\right),\ 3\ (9-\text{Log}[9,\ 9]),\ ((9-3)+9)+9,\ (9-(3-9))+9,$$

$$(9-3)+(9+9),\ 9-(3-(9+9)),\ 9-((3-9)-9),\ (9+(9-3))+9,\ ((9+9)-3)+9,$$

$$9+((9-3)+9),\ 9+(9-(3-9)),\ (9+9)-(3-9),\ \left(9-\frac{9}{9}\right)3,\ (9-\text{Log}[9,\ 9])\ 3,\ \frac{9\times 9-9}{3},$$

$$(9+9)+(9-3),\ 9+(9+(9-3)),\ 9+((9+9)-3),\ ((9+9)+9)-3,\ (9+(9+9))-3\Big\}\Big\},$$

$$\{\{3,\ 9,\ 9,\ 10\},\ \{3\ \text{mod}[9+9,\ 10],\ 3\ (9+(9-10)),\ 3\ ((9+9)-10),\ 3\ ((9-10)+9),$$
$$3\ (9-\text{mod}[10,\ 9]),\ 3\ (9-(10-9)),\ \text{mod}[9+9,\ 10]\ 3,\ (9+(9-10))\ 3,$$
$$((9+9)-10)\ 3,\ ((9-10)+9)\ 3,\ (9-\text{mod}[10,\ 9])\ 3,\ (9-(10-9))\ 3\}\},$$

$$\Big\{\{3,\ 9,\ 10,\ 10\},\ \Big\{3\left(9-\frac{10}{10}\right),\ 3\ (9-\text{Log}[10,\ 10]),\ \left(9-\frac{10}{10}\right)3,\ (9-\text{Log}[10,\ 10])\ 3\Big\}\Big\},$$

$$\{\{3,\ 10,\ 10,\ 10\},\ \{\}\},$$

$$\{\{4,\ 4,\ 4,\ 4\},$$
$$\{(4\times 4+4)+4,\ (4+4\times 4)+4,\ (4+4)+4\times 4,\ 4\times 4+(4+4),\ 4+(4\times 4+4),\ 4+(4+4\times 4)\}\},$$

$$\Big\{\{4,\ 4,\ 4,\ 5\},\ \Big\{4\left(\frac{4}{4}+5\right),\ 4\ (\text{Log}[4,\ 4]+5),\ \left(\frac{4}{4}+5\right)4,\ (\text{Log}[4,\ 4]+5)\ 4,$$

$$4\left(5+\frac{4}{4}\right),\ 4\ (5+\text{Log}[4,\ 4]),\ \left(5+\frac{4}{4}\right)4,\ (5+\text{Log}[4,\ 4])\ 4\Big\}\Big\},$$

$$\Big\{\{4,\ 4,\ 4,\ 6\},\ \Big\{\left(\frac{4}{4}\ 4\right)6,\ (\text{Log}[4,\ 4]\ 4)\ 6,\ (\text{mod}[4,\ 4]+4)\ 6,\ ((4-4)+4)\ 6,\ \left(4\times\frac{4}{4}\right)6,$$

$$\frac{4}{\frac{4}{4}}\ 6,\ \frac{4}{\text{Log}[4,\ 4]}\ 6,\ \frac{4\times 4}{4}\ 6,\ (4\ \text{Log}[4,\ 4])\ 6,\ \text{Log}\left[4,\ 4^4\right]\ 6,\ (4+\text{mod}[4,\ 4])\ 6,$$

$$\text{mod}[4,\ 4\times 4]\ 6,\ \text{mod}[4,\ 4+4]\ 6,\ 4^{\frac{4}{4}}\ 6,\ 4^{\text{Log}[4,4]}\ 6,\ \text{root}[4,\ 4]^4\ 6,\ \text{root}\left[4,\ \frac{4}{4}\right]6,$$

$$\text{root}[4,\ \text{Log}[4,\ 4]]\ 6,\ \text{root}\left[4^4,\ 4\right]6,\ (4+(4-4))\ 6,\ (4-\text{mod}[4,\ 4])\ 6,\ (4-(4-4))\ 6,$$

$$((4+4)-4)\,6,\ \frac{4}{4}\,(4\times 6),\ \text{Log}[4,4]\,(4\times 6),\ 4\left(\frac{4}{4}\,6\right),\ 4\,(\text{Log}[4,4]\,6),\ 4\,(\text{mod}[4,4]+6),$$

$$4\,((4-4)+6),\ \text{mod}[4,4]+4\times 6,\ (4-4)+4\times 6,\ 4\,\frac{4}{\frac{4}{6}},\ \frac{4}{\frac{4}{4\times 6}},\ \frac{4}{\frac{4}{4}},\ \frac{4}{\frac{\text{Log}[4,4]}{6}},\ \frac{4\times 4}{\frac{4}{6}},$$

$$4\,\text{Log}\left[4,4^6\right],\ \text{Log}\left[4,\left(4^4\right)^6\right],\ 4\times 4^{\text{Log}[4,6]},\ 4^{\text{Log}[4,4\times 6]},\ 4\,(4-(4-6)),\ 4-(4-4\times 6),$$

$$\left(\frac{4}{4}\,6\right)4,\ (\text{Log}[4,4]\,6)\,4,\ (\text{mod}[4,4]+6)\,4,\ ((4-4)+6)\,4,\ \frac{4}{\frac{4}{6}}\,4,\ \text{Log}\left[4,4^6\right]4,\ 4^{\text{Log}[4,6]}\,4,$$

$$(4-(4-6))\,4,\ \frac{4}{4}\,(6\times 4),\ \text{Log}[4,4]\,(6\times 4),\ \text{mod}[4,4]+6\times 4,\ (4-4)+6\times 4,\ \frac{4}{\frac{4}{6\times 4}},$$

$$\frac{4}{\frac{\frac{4}{6}}{4}},\ \frac{4}{\text{Log}\left[4^6,4\right]},\ (4\times 4)\,\frac{6}{4},\ 4\left(4\times\frac{6}{4}\right),\ 4\,\frac{4\times 6}{4},\ \frac{(4\times 4)\,6}{4},\ \frac{4\,(4\times 6)}{4},\ \text{Log}\left[4,\left(4^6\right)^4\right],$$

$$4\,(4+\text{mod}[6,4]),\ 4^{\text{Log}[4,6\times 4]},\ 4-(4-6\times 4),\ 4\,(4+(6-4)),\ 4+(4\times 6-4),\ 4\,((4+6)-4),$$

$$(4+4\times 6)-4,\ \left(4\times\frac{6}{4}\right)4,\ \frac{4\times 6}{4}\,4,\ (4+\text{mod}[6,4])\,4,\ (4+(6-4))\,4,\ ((4+6)-4)\,4,$$

$$4\left(\frac{6}{4}\,4\right),\ 4\,(\text{mod}[6,4]+4),\ 4\,((6-4)+4),\ (4\times 6-4)+4,\ (4\times 6)\,\frac{4}{4},\ 4\left(6\times\frac{4}{4}\right),\ 4\,\frac{6}{\frac{4}{4}},$$

$$4\,\frac{6}{\text{Log}[4,4]},\ 4\,\frac{6\times 4}{4},\ \frac{(4\times 6)\,4}{4},\ \frac{4\times 6}{\frac{4}{4}},\ \frac{4\times 6}{\text{Log}[4,4]},\ \frac{4\,(6\times 4)}{4},\ (4\times 6)\,\text{Log}[4,4],$$

$$4\,(6\,\text{Log}[4,4]),\ 4\,(6+\text{mod}[4,4]),\ 4\times 6+\text{mod}[4,4],\ 4\,\text{mod}[6,4\times 4],\ 4\,\text{mod}[6,4+4],$$

$$4\times 6^{\frac{4}{4}},\ 4\times 6^{\text{Log}[4,4]},\ (4\times 6)^{\frac{4}{4}},\ (4\times 6)^{\text{Log}[4,4]},\ 4\,\text{root}[6,4]^4,\ \text{root}[4\times 6,4]^4,\ 4\,\text{root}\left[6,\frac{4}{4}\right],$$

$$4\,\text{root}[6,\text{Log}[4,4]],\ \text{root}\left[4\times 6,\frac{4}{4}\right],\ \text{root}[4\times 6,\text{Log}[4,4]],\ 4\,\text{root}\left[6^4,4\right],$$

$$\text{root}\left[(4\times 6)^4,4\right],\ 4\,(6+(4-4)),\ 4\times 6+(4-4),\ 4\,(6-\text{mod}[4,4]),\ 4\,(6-(4-4)),$$

$$4+(6\times 4-4),\ 4\times 6-\text{mod}[4,4],\ 4\times 6-(4-4),\ 4\,((6+4)-4),\ (4\times 6+4)-4,\ (4+6\times 4)-4,$$

$$\left(\frac{6}{4}\,4\right)4,\ (\text{mod}[6,4]+4)\,4,\ ((6-4)+4)\,4,\ \left(6\times\frac{4}{4}\right)4,\ \frac{6}{\frac{4}{4}}\,4,\ \frac{6}{\text{Log}[4,4]}\,4,\ \frac{6\times 4}{4}\,4,$$

$$(6\,\text{Log}[4,4])\,4,\ (6+\text{mod}[4,4])\,4,\ \text{mod}[6,4\times 4]\,4,\ \text{mod}[6,4+4]\,4,\ 6^{\frac{4}{4}}\,4,\ 6^{\text{Log}[4,4]}\,4,$$

$$\text{root}[6,4]^4\,4,\ \text{root}\left[6,\frac{4}{4}\right]4,\ \text{root}[6,\text{Log}[4,4]]\,4,\ \text{root}\left[6^4,4\right]4,\ (6+(4-4))\,4,$$

$$(6-\text{mod}[4,4])\,4,\ (6-(4-4))\,4,\ ((6+4)-4)\,4,\ \frac{6}{4}\,(4\times 4),\ 6\left(\frac{4}{4}\,4\right),\ 6\,(\text{Log}[4,4]\,4),$$

$$6\,(\text{mod}[4,4]+4),\ 6\,((4-4)+4),\ (6\times 4-4)+4,\ (6\times 4)\,\frac{4}{4},\ 6\left(4\times\frac{4}{4}\right),\ 6\,\frac{4}{\frac{4}{4}},\ 6\,\frac{4}{\text{Log}[4,4]},$$

$$\frac{6}{\frac{4}{4\times 4}},\ \frac{6}{\frac{\frac{4}{4}}{4}},\ \frac{6}{\frac{\text{Log}[4,4]}{4}},\ \frac{6}{\text{Log}\left[4^4,4\right]},\ 6\,\frac{4\times 4}{4},\ \frac{6\times 4}{\frac{4}{4}},\ \frac{6\times 4}{\text{Log}[4,4]},\ \frac{(6\times 4)\,4}{4},\ \frac{6\,(4\times 4)}{4},$$

$$(6\times 4)\,\text{Log}[4,4],\ 6\,(4\,\text{Log}[4,4]),\ 6\,\text{Log}\left[4,4^4\right],\ 6\,(4+\text{mod}[4,4]),\ 6\times 4+\text{mod}[4,4],$$

$$6\,\text{mod}[4,4\times 4],\ 6\,\text{mod}[4,4+4],\ 6\times 4^{\frac{4}{4}},\ 6\times 4^{\text{Log}[4,4]},\ (6\times 4)^{\frac{4}{4}},\ (6\times 4)^{\text{Log}[4,4]},\ 6\,\text{root}[4,4]^4,$$

$$\text{root}[6\times 4,4]^4,\ 6\,\text{root}\left[4,\frac{4}{4}\right],\ 6\,\text{root}[4,\text{Log}[4,4]],\ \text{root}\left[6\times 4,\frac{4}{4}\right],\ \text{root}[6\times 4,\text{Log}[4,4]],$$

$$6\ \text{root}\left[4^4,\ 4\right],\ \text{root}\left[(6\times 4)^4,\ 4\right],\ 6\ (4+(4-4)),\ 6\times 4+(4-4),\ 6\ (4-\text{mod}[4,\ 4]),$$
$$6\ (4-(4-4)),\ 6\times 4-\text{mod}[4,\ 4],\ 6\times 4-(4-4),\ 6\ ((4+4)-4),\ (6\times 4+4)-4\Big\}\Big\},$$

$$\Big\{\{4,\ 4,\ 4,\ 7\},\ \Big\{(4+4)\ \text{mod}[7,\ 4],\ (4+4)\ (7-4),\ 4\left(7-\frac{4}{4}\right),\ 4\ (7-\text{Log}[4,\ 4]),$$
$$\left(7-\frac{4}{4}\right)\ 4,\ (7-\text{Log}[4,\ 4])\ 4,\ \text{mod}[7,\ 4]\ (4+4),\ (7-4)\ (4+4)\Big\}\Big\},$$

$$\Big\{\{4,\ 4,\ 4,\ 8\},\ \Big\{\left(4-\frac{4}{4}\right)\ 8,\ (4-\text{Log}[4,\ 4])\ 8,\ (4\times 4)\ \text{Log}[4,\ 8],\ 4\ (4\ \text{Log}[4,\ 8]),\ (4+4)\ 4-8,$$
$$4\ (4+4)-8,\ (4\ \text{Log}[4,\ 8])\ 4,\ 4\ (\text{Log}[4,\ 8]\ 4),\ 4\ \frac{4}{\text{Log}[8,\ 4]},\ 4\left(4+\frac{8}{4}\right),\ \frac{4\times 4}{\text{Log}[8,\ 4]},$$
$$4\ \text{Log}\left[4,\ 8^4\right],\ (\text{Log}[4,\ 8]\ 4)\ 4,\ \frac{4}{\text{Log}[8,\ 4]}\ 4,\ \left(4+\frac{8}{4}\right)\ 4,\ \text{Log}\left[4,\ 8^4\right]\ 4,\ \text{Log}[4,\ 8]\ (4\times 4),$$
$$4\left(\frac{8}{4}+4\right),\ \frac{4}{\frac{\text{Log}[8,4]}{4}},\ \frac{4}{\text{Log}\left[8^4,\ 4\right]},\ \text{Log}\left[4,\ 8^{4\times 4}\right],\ \text{Log}\left[4,\ \left(8^4\right)^4\right],\ 4\times 8-(4+4),$$
$$(4\times 8-4)-4,\ \left(\frac{8}{4}+4\right)\ 4,\ 8\left(4-\frac{4}{4}\right),\ 8\ (4-\text{Log}[4,\ 4]),\ 8\times 4-(4+4),\ (8\times 4-4)-4\Big\}\Big\},$$

$$\{\{4,\ 4,\ 4,\ 9\},\ \{4-4\ (4-9),\ 4-(4-9)\ 4,\ 4+4\ (9-4),\ 4\ (9-4)+4,\ 4+(9-4)\ 4,\ (9-4)\ 4+4\}\},$$

$$\Big\{\{4,\ 4,\ 4,\ 10\},\ \Big\{4\ \text{mod}[4\times 4,\ 10],\ 4\ \text{mod}\left[4^4,\ 10\right],\ 4\ (4\times 4-10),\ \text{mod}[4\times 4,\ 10]\ 4,$$
$$\text{mod}\left[4^4,\ 10\right]\ 4,\ (4\times 4-10)\ 4,\ 4\ (4+\text{mod}[10,\ 4]),\ (4+\text{mod}[10,\ 4])\ 4,$$
$$4\ (\text{mod}[10,\ 4]+4),\ 4\times 10-4\times 4,\ (\text{mod}[10,\ 4]+4)\ 4,\ 10\times 4-4\times 4\Big\}\Big\},$$

$$\Big\{\{4,\ 4,\ 5,\ 5\},\ \Big\{\left(4+\frac{4}{5}\right)\ 5,\ 4+\text{mod}[4,\ 5]\ 5,\ \left(\frac{4}{5}+4\right)\ 5,\ 4\ (\text{mod}[5,\ 4]+5),\ 4\ ((5-4)+5),$$
$$\text{mod}[4,\ 5]+4\times 5,\ 4\times 5+\text{mod}[4,\ 5],\ 4+5\ \text{mod}[4,\ 5],\ 4\ (5-(4-5)),\ \text{mod}[4,\ 5]\ 5+4,$$
$$\text{mod}[4,\ 5]+5\times 4,\ 4\ (5+\text{mod}[5,\ 4]),\ 4\ (5+(5-4)),\ 4\ ((5+5)-4),\ 5\left(4+\frac{4}{5}\right),$$
$$5\times 4+\text{mod}[4,\ 5],\ (\text{mod}[5,\ 4]+5)\ 4,\ ((5-4)+5)\ 4,\ (5-(4-5))\ 4,\ 5\left(\frac{4}{5}+4\right),\ 5\ \text{mod}[4,\ 5]+4,$$
$$(5+\text{mod}[5,\ 4])\ 4,\ (5+(5-4))\ 4,\ ((5+5)-4)\ 4,\ 5\times 5-\frac{4}{4},\ 5\times 5-\text{Log}[4,\ 4]\Big\}\Big\},$$

$$\Big\{\{4,\ 4,\ 5,\ 6\},\ \Big\{\text{mod}[4,\ 4+5]\ 6,\ 4+4\ \text{mod}[5,\ 6],\ 4+\text{mod}[4,\ 6]\ 5,\ \frac{4}{\text{mod}[5,\ 4]}\ 6,\ \frac{4}{5-4}\ 6,$$
$$\text{mod}[4,\ 5+4]\ 6,\ (4\ \text{mod}[5,\ 4])\ 6,\ 4^{\text{mod}[5,4]}\ 6,\ 4^{5-4}\ 6,\ \text{root}[4,\ \text{mod}[5,\ 4]]\ 6,\ \text{root}[4,\ 5-4]\ 6,$$
$$(4\ (5-4))\ 6,\ 4\ (\text{mod}[5,\ 4]\ 6),\ 4\ ((5-4)\ 6),\ \frac{4}{\frac{\text{mod}[5,4]}{6}},\ \frac{4}{\frac{5-4}{6}},\ 4\times 5+\text{mod}[4,\ 6],$$
$$4+5\ \text{mod}[4,\ 6],\ 4\ \text{mod}[5,\ 6]+4,\ 4+\text{mod}[5,\ 6]\ 4,\ \text{mod}[4,\ 6]+4\times 5,\ \frac{4}{6^{4-5}},\ \frac{4}{\text{root}[6,\ 4-5]},$$
$$4\ \text{mod}[6,\ 4+5],\ \text{mod}[4,\ 6]\ 5+4,\ \text{mod}[4,\ 6]+5\times 4,\ 4\ \frac{6}{\text{mod}[5,\ 4]},\ 4\ \frac{6}{5-4},\ \frac{4\times 6}{\text{mod}[5,\ 4]},$$
$$\frac{4\times 6}{5-4},\ (4\times 6)\ \text{mod}[5,\ 4],\ 4\ (6\ \text{mod}[5,\ 4]),\ 4\ \text{mod}[6,\ 5+4],\ 4\times 6^{\text{mod}[5,4]},\ 4\times 6^{5-4},$$
$$(4\times 6)^{\text{mod}[5,4]},\ (4\times 6)^{5-4},\ 4\ \text{root}[6,\ \text{mod}[5,\ 4]],\ 4\ \text{root}[6,\ 5-4],\ \text{root}[4\times 6,\ \text{mod}[5,\ 4]],$$
$$\text{root}[4\times 6,\ 5-4],\ (4\times 6)\ (5-4),\ 4\ (6\ (5-4)),\ (\text{mod}[5,\ 4]\ 4)\ 6,\ ((5-4)\ 4)\ 6,\ \left(5-\frac{4}{4}\right)\ 6,$$
$$(5-\text{Log}[4,\ 4])\ 6,\ \text{mod}[5,\ 4]\ (4\times 6),\ (5-4)\ (4\times 6),\ 5\times 4+\text{mod}[4,\ 6],\ (\text{mod}[5,\ 4]\ 6)\ 4,$$

$$((5-4)\,6)\,4,\ \mathrm{mod}[5,4]\,(6\times 4),\ (5-4)\,(6\times 4),\ 5\,\mathrm{mod}[4,6]+4,\ \mathrm{mod}[5,6]\,4+4,\ \frac{6}{4^{4-5}},$$

$$\frac{6}{\mathrm{root}[4,4-5]},\ 6\,\mathrm{mod}[4,4+5],\ \mathrm{mod}[6,4+5]\,4,\ 6\,\frac{4}{\mathrm{mod}[5,4]},\ 6\,\frac{4}{5-4},\ \frac{6\times 4}{\mathrm{mod}[5,4]},$$

$$\frac{6\times 4}{5-4},\ 6\,\mathrm{mod}[4,5+4],\ (6\times 4)\,\mathrm{mod}[5,4],\ 6\,(4\,\mathrm{mod}[5,4]),\ 6\times 4^{\mathrm{mod}[5,4]},\ 6\times 4^{5-4},$$

$$(6\times 4)^{\mathrm{mod}[5,4]},\ (6\times 4)^{5-4},\ 6\,\mathrm{root}[4,\mathrm{mod}[5,4]],\ 6\,\mathrm{root}[4,5-4],\ \mathrm{root}[6\times 4,\mathrm{mod}[5,4]],$$

$$\mathrm{root}[6\times 4,5-4],\ (6\times 4)\,(5-4),\ 6\,(4\,(5-4)),\ \frac{6}{\mathrm{mod}[5,4]}\,4,\ \frac{6}{5-4}\,4,\ (6\,\mathrm{mod}[5,4])\,4,$$

$$\mathrm{mod}[6,5+4]\,4,\ 6^{\mathrm{mod}[5,4]}\,4,\ 6^{5-4}\,4,\ \mathrm{root}[6,\mathrm{mod}[5,4]]\,4,\ \mathrm{root}[6,5-4]\,4,\ (6\,(5-4))\,4,$$

$$6\,(\mathrm{mod}[5,4]\,4),\ 6\,((5-4)\,4),\ \frac{6}{\frac{\mathrm{mod}[5,4]}{4}},\ \frac{6}{\frac{5-4}{4}},\ 6\left(5-\frac{4}{4}\right),\ 6\,(5-\mathrm{Log}[4,4])\Big\}\Big\},$$

$$\{\{4,4,5,7\},\{4\,((4-5)+7),\ 4+4\,\mathrm{mod}[5,7],\ 4\,\mathrm{mod}[4\times 5,7],\ 4\,(4-(5-7)),\ 4+\mathrm{mod}[4,7]\,5,$$
$$4\,(4+\mathrm{mod}[7,5]),\ 4\,(4+(7-5)),\ 4\,((4+7)-5),\ 4\times 5+\mathrm{mod}[4,7],\ 4+5\,\mathrm{mod}[4,7],$$
$$4\,\mathrm{mod}[5\times 4,7],\ ((4-5)+7)\,4,\ \mathrm{mod}[4\times 5,7]\,4,\ (4-(5-7))\,4,\ 4\,\mathrm{mod}[5,7]+4,\ 4+\mathrm{mod}[5,7]\,4,$$
$$\mathrm{mod}[4,5]\,7-4,\ \mathrm{mod}[4,7]+4\times 5,\ 4\,(7+(4-5)),\ 4\times 7-\mathrm{mod}[4,5],\ 4\,((7+4)-5),$$
$$(4+\mathrm{mod}[7,5])\,4,\ (4+(7-5))\,4,\ ((4+7)-5)\,4,\ \mathrm{mod}[4,7]\,5+4,\ 4\,(\mathrm{mod}[7,5]+4),$$
$$4\,((7-5)+4),\ \mathrm{mod}[4,7]+5\times 4,\ 4\,(7-\mathrm{mod}[5,4]),\ 4\,(7-(5-4)),\ 5\times 4+\mathrm{mod}[4,7],$$
$$\mathrm{mod}[5\times 4,7]\,4,\ 5\,\mathrm{mod}[4,7]+4,\ \mathrm{mod}[5,7]\,4+4,\ 7\times 4-\mathrm{mod}[4,5],\ (7+(4-5))\,4,\ ((7+4)-5)\,4,$$
$$7\,\mathrm{mod}[4,5]-4,\ (\mathrm{mod}[7,5]+4)\,4,\ ((7-5)+4)\,4,\ (7-\mathrm{mod}[5,4])\,4,\ (7-(5-4))\,4\}\},$$
$$\{\{4,4,5,8\},\{\mathrm{mod}[4+4,5]\,8,\ (4+(4-5))\,8,\ ((4+4)-5)\,8,\ 4\,\mathrm{mod}[4,5]+8,$$
$$4+4\,\mathrm{mod}[5,8],\ 4+\mathrm{mod}[4,8]\,5,\ (4+4)\,\mathrm{mod}[8,5],\ 4-(4-8)\,5,\ (4+4)\,(8-5),\ ((4-5)+4)\,8,$$
$$(4-\mathrm{mod}[5,4])\,8,\ (4-(5-4))\,8,\ \mathrm{mod}[4,5]\,4+8,\ (4\times 5-4)+8,\ 4\times 5+\mathrm{mod}[4,8],$$
$$4+5\,\mathrm{mod}[4,8],\ 4-5\,(4-8),\ 4\times 5-(4-8),\ 4\,\mathrm{mod}[5,8]+4,\ 4+\mathrm{mod}[5,8]\,4,\ 4\times 5+(8-4),$$
$$4+5\,(8-4),\ (4\times 5+8)-4,\ \mathrm{mod}[4,8]+4\times 5,\ 4+(8-4)\,5,\ \mathrm{mod}[4,8]\,5+4,\ \mathrm{mod}[4,8]+5\times 4,$$
$$(5\times 4-4)+8,\ 5\times 4+\mathrm{mod}[4,8],\ 5\times 4-(4-8),\ 5\,\mathrm{mod}[4,8]+4,\ 5\times 4+(8-4),\ (5\times 4+8)-4,$$
$$\mathrm{mod}[5,8]\,4+4,\ 5\,(8-4)+4,\ 5\times 8-4\times 4,\ (8-4)+4\times 5,\ 8+4\,\mathrm{mod}[4,5],\ 8\,\mathrm{mod}[4+4,5],$$
$$8\,(4+(4-5)),\ 8-(4-4\times 5),\ 8\,((4+4)-5),\ (8-4)\,5+4,\ 8\,((4-5)+4),\ (8-4)+5\times 4,$$
$$8+\mathrm{mod}[4,5]\,4,\ 8\,(4-\mathrm{mod}[5,4]),\ 8\,(4-(5-4)),\ 8-(4-5\times 4),\ 8+(4\times 5-4),$$
$$(8+4\times 5)-4,\ \mathrm{mod}[8,5]\,(4+4),\ (8-5)\,(4+4),\ 8+(5\times 4-4),\ 8\times 5-4\times 4,\ (8+5\times 4)-4\}\},$$
$$\{\{4,4,5,9\},\{4+4\,\mathrm{mod}[5,9],\ 4+\mathrm{mod}[4,9]\,5,\ 4\times 5+\mathrm{mod}[4,9],\ 4+5\,\mathrm{mod}[4,9],$$
$$4\,\mathrm{mod}[5,9]+4,\ 4+\mathrm{mod}[5,9]\,4,\ 4\,(5+\mathrm{mod}[9,4]),\ 4\,(\mathrm{mod}[9,4]+5),$$
$$\mathrm{mod}[4,9]+4\times 5,\ \mathrm{mod}[4,9]\,5+4,\ \mathrm{mod}[4,9]+5\times 4,\ 5\times 4+\mathrm{mod}[4,9],$$
$$5\,\mathrm{mod}[4,9]+4,\ (5+\mathrm{mod}[9,4])\,4,\ \mathrm{mod}[5,9]\,4+4,\ (\mathrm{mod}[9,4]+5)\,4\}\},$$
$$\Big\{\{4,4,5,10\},\Big\{4+4\,\mathrm{mod}[5,10],\ 4-4\,(5-10),\ 4+\mathrm{mod}[4,10]\,5,\ 4\left(4+\frac{10}{5}\right),\ 4+4\,(10-5),$$
$$4\times 5+\mathrm{mod}[4,10],\ 4+5\,\mathrm{mod}[4,10],\ 4\,\mathrm{mod}[5,10]+4,\ 4+\mathrm{mod}[5,10]\,4,\ 4-(5-10)\,4,$$
$$\mathrm{mod}[4,5]\,(10-4),\ \mathrm{mod}[4,10]+4\times 5,\ 4\,(10-\mathrm{mod}[4,5]),\ \left(4+\frac{10}{5}\right)4,\ \mathrm{mod}[4,10]\,5+4,$$
$$4\left(\frac{10}{5}+4\right),\ 4\,(10-5)+4,\ \mathrm{mod}[4,10]+5\times 4,\ 4+(10-5)\,4,\ 5\times 4+\mathrm{mod}[4,10],\ 5\,\mathrm{mod}[4,10]+4,$$
$$\mathrm{mod}[5,10]\,4+4,\ (10-4)\,\mathrm{mod}[4,5],\ (10-\mathrm{mod}[4,5])\,4,\ \left(\frac{10}{5}+4\right)4,\ (10-5)\,4+4\Big\}\Big\},$$
$$\Big\{\{4,4,6,6\},\Big\{\mathrm{mod}[4,4+6]\,6,\ \mathrm{mod}[4\times 4,6]\,6,\ \mathrm{mod}\left[4^4,6\right]6,\ \mathrm{mod}[4,6+4]\,6,$$
$$4\,\mathrm{mod}[6,4+6],\ 4\,\mathrm{mod}[6,6+4],\ 6\,\mathrm{mod}[4,4+6],\ 6\,\mathrm{mod}[4\times 4,6],$$
$$6\,\mathrm{mod}\left[4^4,6\right],\ \mathrm{mod}[6,4+6]\,4,\ 6\,\mathrm{mod}[4,6+4],\ \mathrm{mod}[6,6+4]\,4\Big\}\Big\},$$
$$\Big\{\{4,4,6,7\},\Big\{\mathrm{mod}[4,4+7]\,6,\ \mathrm{mod}\left[4^4,7\right]6,\ 4\,\mathrm{mod}[6,4+7],\ 4\,\mathrm{mod}[6,7+4],$$
$$\mathrm{mod}[4,6]\,7-4,\ \mathrm{mod}[4,7+4]\,6,\ 4\times 7-\mathrm{mod}[4,6],\ 6\,\mathrm{mod}[4,4+7],\ 6\,\mathrm{mod}\left[4^4,7\right],$$
$$\mathrm{mod}[6,4+7]\,4,\ 6\,\mathrm{mod}[4,7+4],\ \mathrm{mod}[6,7+4]\,4,\ 7\times 4-\mathrm{mod}[4,6],\ 7\,\mathrm{mod}[4,6]-4\Big\}\Big\},$$
$$\Big\{\{4,4,6,8\},\Big\{4\,\mathrm{mod}[4,6]+8,\ 4\,((4-6)+8),\ 4\,(4-(6-8)),\ \mathrm{mod}[4,4+8]\,6,$$
$$4\,(4+\mathrm{mod}[8,6]),\ 4\,(4+(8-6)),\ 4\,((4+8)-6),\ \mathrm{mod}[4,6]\,4+8,\ 4^{\mathrm{mod}[6,4]}+8,\ 4^{6-4}+8,$$
$$4\,\mathrm{mod}[6,4+8],\ ((4-6)+8)\,4,\ (4-(6-8))\,4,\ 4\,\mathrm{mod}[6,8+4],\ 4\,(6+\mathrm{mod}[8,4]),$$
$$4\times 6+\mathrm{mod}[8,4],\ 4\,(6-\mathrm{mod}[8,4]),\ 4\times 6-\mathrm{mod}[8,4],\ \mathrm{mod}[4,8+4]\,6,\ (4+\mathrm{mod}[8,4])\,6,$$

$$(4-\text{mod}[8,4])\,6,\ 4\,(\text{mod}[8,4]+6),\ 4\,(8+(4-6)),\ 4\,((8+4)-6),\ (4+\text{mod}[8,6])\,4,$$
$$(4+(8-6))\,4,\ ((4+8)-6)\,4,\ 4\,(\text{mod}[8,6]+4),\ 4\,((8-6)+4),\ (4+8)\,\text{mod}[6,4],$$
$$(4+8)\,(6-4),\ 4\,(8-\text{mod}[6,4]),\ 4\,(8-(6-4)),\ \text{mod}[6,4]\,(4+8),\ (6-4)\,(4+8),$$
$$\text{mod}[6,4]^4+8,\ (6-4)^4+8,\ 6\,\text{mod}[4,4+8],\ \text{mod}[6,4+8]\,4,\ \text{mod}[6,4]\,(8+4),\ (6-4)\,(8+4),$$
$$6\,\text{mod}[4,8+4],\ 6\,(4+\text{mod}[8,4]),\ 6\times 4+\text{mod}[8,4],\ 6\,(4-\text{mod}[8,4]),\ 6\times 4-\text{mod}[8,4],$$
$$\text{mod}[6,8+4]\,4,\ (6+\text{mod}[8,4])\,4,\ (6-\text{mod}[8,4])\,4,\ 6\,(\text{mod}[8,4]+4),\ (\text{mod}[8,4]+4)\,6,$$
$$\text{mod}[8,4]+4\times 6,\ 8+4\,\text{mod}[4,6],\ (\text{mod}[8,4]+6)\,4,\ (8+(4-6))\,4,\ ((8+4)-6)\,4,$$
$$\text{mod}[8,4]+6\times 4,\ 8+\text{mod}[4,6]\,4,\ (8+4)\,\text{mod}[6,4],\ 8+4^{\text{mod}[6,4]},\ 8+4^{6-4},\ (8+4)\,(6-4),$$
$$(\text{mod}[8,6]+4)\,4,\ ((8-6)+4)\,4,\ (8-\text{mod}[6,4])\,4,\ (8-(6-4))\,4,\ 8+\text{mod}[6,4]^4,\ 8+(6-4)^4\}\},$$

$$\Big\{\{4,4,6,9\},\ \Big\{\Big(4\times\frac{4}{6}\Big)\,9,\ \frac{4\times 4}{6}\,9,\ 4\,\Big(\frac{4}{6}\,9\Big),\ 4\,\frac{4}{\frac{6}{9}},\ \frac{4\times 4}{\frac{6}{9}},\ 4\,\text{mod}[4\times 6,9],\ \text{mod}[4,4+9]\,6,$$

$$\text{mod}\big[4^4,9\big]\,6,\ (4\times 4)\,\frac{9}{6},\ 4\,\Big(4\times\frac{9}{6}\Big),\ 4\,\frac{4\times 9}{6},\ \frac{(4\times 4)\,9}{6},\ \frac{4\,(4\times 9)}{6},\ (4+4)\,\text{mod}[9,6],$$

$$(4+4)\,(9-6),\ \Big(\frac{4}{6}\,4\Big)\,9,\ \frac{4}{\frac{6}{4}}\,9,\ \frac{4}{6}\,(4\times 9),\ \frac{4}{\frac{6}{4\times 9}},\ \frac{4}{\frac{6}{\frac{4}{9}}},\ 4\,\text{mod}[6,4+9],\ 4\,\text{mod}[6\times 4,9],$$

$$\Big(\frac{4}{6}\,9\Big)\,4,\ \frac{4}{\frac{6}{9}}\,4,\ \text{mod}[4\times 6,9]\,4,\ \frac{4}{6}\,(9\times 4),\ \frac{4}{\frac{6}{9\times 4}},\ \frac{4}{\frac{6}{\frac{9}{4}}},\ 4\,\frac{6}{\text{mod}[9,4]},\ \frac{4\times 6}{\text{mod}[9,4]},$$

$$4\,\text{mod}[6,9+4],\ (4\times 6)\,\text{mod}[9,4],\ 4\,(6\,\text{mod}[9,4]),\ 4\times 6^{\text{mod}[9,4]},\ (4\times 6)^{\text{mod}[9,4]},$$

$$4\,\text{root}[6,\text{mod}[9,4]],\ \text{root}[4\times 6,\text{mod}[9,4]],\ \frac{4}{\text{mod}[9,4]}\,6,\ \text{mod}[4,9+4]\,6,$$

$$\text{mod}[4,9-4]\,6,\ (4\,\text{mod}[9,4])\,6,\ 4^{\text{mod}[9,4]}\,6,\ \text{root}[4,\text{mod}[9,4]]\,6,\ 4\,(\text{mod}[9,4]\,6),$$

$$(4\times 9)\,\frac{4}{6},\ 4\,\Big(9\times\frac{4}{6}\Big),\ \frac{4}{\frac{\text{mod}[9,4]}{6}},\ 4\,\frac{9\times 4}{6},\ \frac{(4\times 9)\,4}{6},\ \frac{4\,(9\times 4)}{6},\ \Big(4\times\frac{9}{6}\Big)\,4,\ \frac{4\times 9}{6}\,4,\ 4\,\Big(\frac{9}{6}\,4\Big),$$

$$4\,\frac{9}{\frac{6}{4}},\ \frac{4\times 9}{\frac{6}{4}},\ 6\,\text{mod}[4,4+9],\ 6\,\text{mod}\big[4^4,9\big],\ \text{mod}[6,4+9]\,4,\ \text{mod}[6\times 4,9]\,4,\ 6\,\frac{4}{\text{mod}[9,4]},$$

$$\frac{6\times 4}{\text{mod}[9,4]},\ 6\,\text{mod}[4,9+4],\ 6\,\text{mod}[4,9-4],\ (6\times 4)\,\text{mod}[9,4],\ 6\,(4\,\text{mod}[9,4]),$$

$$6\times 4^{\text{mod}[9,4]},\ (6\times 4)^{\text{mod}[9,4]},\ 6\,\text{root}[4,\text{mod}[9,4]],\ \text{root}[6\times 4,\text{mod}[9,4]],\ \frac{6}{\text{mod}[9,4]}\,4,$$

$$\text{mod}[6,9+4]\,4,\ (6\,\text{mod}[9,4])\,4,\ 6^{\text{mod}[9,4]}\,4,\ \text{root}[6,\text{mod}[9,4]]\,4,\ 6\,(\text{mod}[9,4]\,4),$$

$$\frac{6}{\frac{\text{mod}[9,4]}{4}},\ (\text{mod}[9,4]\,4)\,6,\ \text{mod}[9,4]\,(4\times 6),\ (9\times 4)\,\frac{4}{6},\ 9\,\Big(4\times\frac{4}{6}\Big),\ 9\,\frac{4\times 4}{6},\ \frac{(9\times 4)\,4}{6},$$

$$\frac{9\,(4\times 4)}{6},\ (\text{mod}[9,4]\,6)\,4,\ \Big(9\times\frac{4}{6}\Big)\,4,\ \frac{9\times 4}{6}\,4,\ \text{mod}[9,4]\,(6\times 4),\ 9\,\Big(\frac{4}{6}\,4\Big),\ 9\,\frac{4}{\frac{6}{4}},$$

$$\frac{9\times 4}{\frac{6}{4}},\ \Big(\frac{9}{6}\,4\Big)\,4,\ \frac{9}{\frac{6}{4}}\,4,\ \frac{9}{6}\,(4\times 4),\ \text{mod}[9,6]\,(4+4),\ (9-6)\,(4+4),\ \frac{9}{\frac{6}{4\times 4}},\ \frac{9}{\frac{6}{\frac{4}{4}}}\Big\}\Big\},$$

$$\Big\{\{4,4,6,10\},\ \Big\{((4+4)+6)+10,\ (4+(4+6))+10,\ (4+4)+(6+10),\ 4+((4+6)+10),$$
$$4+(4+(6+10)),\ 4\,\text{mod}\big[4^6,10\big],\ 4-(4-6)\,10,\ \text{mod}[4,4+10]\,6,\ ((4+4)+10)+6,$$
$$(4+(4+10))+6,\ (4+4)+(10+6),\ 4+((4+10)+6),\ 4+(4+(10+6)),\ ((4+6)+4)+10,$$
$$(4+(6+4))+10,\ 4+\text{mod}[6,4]\,10,\ 4+(6-4)\,10,\ (4+6)+(4+10),\ 4+((6+4)+10),$$
$$4+(6+(4+10)),\ 4\,\text{mod}[6,4+10],\ 4\,\text{mod}\big[6^4,10\big],\ \text{mod}\big[4^6,10\big]\,4,\ ((4+6)+10)+4,$$
$$(4+(6+10))+4,\ (4+6)+(10+4),\ 4+((6+10)+4),\ 4+(6+(10+4)),\ 4\,\text{mod}[6,10+4],$$
$$\text{mod}[4,6]\,(10-4),\ \text{mod}[4,10+4]\,6,\ \text{mod}[4,10-4]\,6,\ ((4+10)+4)+6,\ (4+(10+4))+6,$$

$$(4+10)+(4+6),\ 4+((10+4)+6),\ 4+(10+(4+6)),\ 4-10\,(4-6),\ 4\,(10-\text{mod}[4,6]),$$
$$((4+10)+6)+4,\ (4+(10+6))+4,\ (4+10)+(6+4),\ 4+((10+6)+4),\ 4+(10+(6+4)),$$
$$4+10\,\text{mod}[6,4],\ 4+10\,(6-4),\ ((6+4)+4)+10,\ (6+(4+4))+10,\ (6+4)+(4+10),$$
$$6+((4+4)+10),\ 6+(4+(4+10)),\ 6\,\text{mod}[4,4+10],\ \text{mod}[6,4+10]\,4,\ \text{mod}\left[6^4,10\right]4,$$
$$\text{mod}[6,4]\,10+4,\ (6-4)\,10+4,\ ((6+4)+10)+4,\ (6+(4+10))+4,\ (6+4)+(10+4),$$
$$6+((4+10)+4),\ 6+(4+(10+4)),\ 6\,\text{mod}[4,10+4],\ 6\,\text{mod}[4,10-4],\ \text{mod}[6,10+4]\,4,$$
$$((6+10)+4)+4,\ (6+(10+4))+4,\ (6+10)+(4+4),\ 6+((10+4)+4),\ 6+(10+(4+4)),$$
$$((10+4)+4)+6,\ (10+(4+4))+6,\ (10+4)+(4+6),\ 10+((4+4)+6),\ 10+(4+(4+6)),$$
$$(10-4)\,\text{mod}[4,6],\ (10-\text{mod}[4,6])\,4,\ ((10+4)+6)+4,\ (10+(4+6))+4,\ (10+4)+(6+4),$$
$$10+((4+6)+4),\ 10+(4+(6+4)),\ ((10+6)+4)+4,\ (10+(6+4))+4,\ 10\,\text{mod}[6,4]+4,$$
$$10\,(6-4)+4,\ (10+6)+(4+4),\ 10+((6+4)+4),\ 10+(6+(4+4))\}\},\ \left\{\{4,4,7,7\},\right.$$
$$\left.\left\{\left(4-\frac{4}{7}\right)7,\ 4\times 7-\text{mod}[4,7],\ \text{mod}[4,7]\,7-4,\ 7\left(4-\frac{4}{7}\right),\ 7\times 4-\text{mod}[4,7],\ 7\,\text{mod}[4,7]-4\right\}\right\},$$
$$\{\{4,4,7,8\},\{4\,\text{mod}[4,7]+8,\ 4+(4\times 7-8),\ (4+4\times 7)-8,\ \text{mod}[4+7,4]\,8,$$
$$\text{mod}[4,7]\,4+8,\ 4\times 7+(4-8),\ 4+(7\times 4-8),\ 4\times 7-\text{mod}[4,8],\ (4\times 7+4)-8,$$
$$(4+7\times 4)-8,\ (4\times 7-8)+4,\ 4\times 7-(8-4),\ 4\,\text{mod}[7,8]-4,\ (4-8)+4\times 7,\ 4-(8-4\times 7),$$
$$(4-8)+7\times 4,\ 4-(8-7\times 4),\ \text{mod}[4,8]\,7-4,\ \text{mod}[7+4,4]\,8,\ \text{mod}[\text{mod}[7,4],4]\,8,$$
$$\text{mod}[7-4,4]\,8,\ 7\times 4+(4-8),\ 7\times 4-\text{mod}[4,8],\ (7\times 4+4)-8,\ (7\times 4-8)+4,\ 7\times 4-(8-4),$$
$$7\,\text{mod}[4,8]-4,\ \text{mod}[7,8]\,4-4,\ 7\,(8-4)-4,\ 8+4\,\text{mod}[4,7],\ 8+\text{mod}[4,7]\,4,$$
$$8\,\text{mod}[4+7,4],\ (8-4)\,7-4,\ 8\,\text{mod}[7+4,4],\ 8\,\text{mod}[\text{mod}[7,4],4],\ 8\,\text{mod}[7-4,4]\}\},$$
$$\{\{4,4,7,9\},\{((4+4)+7)+9,\ (4+(4+7))+9,\ 4\,((4-7)+9),\ (4+4)+(7+9),$$
$$4+((4+7)+9),\ 4+(4+(7+9)),\ 4\,(4-(7-9)),\ ((4+4)+9)+7,\ (4+(4+9))+7,$$
$$(4+4)+(9+7),\ 4+((4+9)+7),\ 4+(4+(9+7)),\ 4\,(4+\text{mod}[9,7]),\ 4\,\text{mod}[4+9,7],$$
$$4\,(4+(9-7)),\ 4\,((4+9)-7),\ ((4+7)+4)+9,\ (4+(7+4))+9,\ (4+7)+(4+9),$$
$$4+((7+4)+9),\ 4+(7+(4+9)),\ 4\times 7-\text{mod}[4,9],\ ((4-7)+9)\,4,\ (4-(7-9))\,4,$$
$$((4+7)+9)+4,\ (4+(7+9))+4,\ (4+7)+(9+4),\ 4+((7+9)+4),\ 4+(7+(9+4)),$$
$$4\,(7-\text{mod}[9,4]),\ 4\,\text{mod}[7,9]-4,\ ((4+9)+4)+7,\ (4+(9+4))+7,\ (4+9)+(4+7),$$
$$4+((9+4)+7),\ 4+(9+(4+7)),\ 4\,\text{mod}[9+4,7],\ 4\,(9+(4-7)),\ 4\,((9+4)-7),$$
$$(4+\text{mod}[9,7])\,4,\ \text{mod}[4+9,7]\,4,\ (4+(9-7))\,4,\ ((4+9)-7)\,4,\ ((4+9)+7)+4,$$
$$(4+(9+7))+4,\ 4\,(\text{mod}[9,7]+4),\ 4\,((9-7)+4),\ (4+9)+(7+4),\ 4+((9+7)+4),$$
$$4+(9+(7+4)),\ 4\,(9-\text{mod}[7,4]),\ 4\,(9-(7-4)),\ \text{mod}[4,9]\,7-4,\ ((7+4)+4)+9,$$
$$(7+(4+4))+9,\ (7+4)+(4+9),\ 7+((4+4)+9),\ 7+(4+(4+9)),\ 7\times 4-\text{mod}[4,9],$$
$$((7+4)+9)+4,\ (7+(4+9))+4,\ (7+4)+(9+4),\ 7+((4+9)+4),\ 7+(4+(9+4)),$$
$$7\,\text{mod}[4,9]-4,\ (7-\text{mod}[9,4])\,4,\ ((7+9)+4)+4,\ (7+(9+4))+4,\ (7+9)+(4+4),$$
$$7+((9+4)+4),\ 7+(9+(4+4)),\ \text{mod}[7,9]\,4-4,\ ((9+4)+4)+7,\ (9+(4+4))+7,$$
$$(9+4)+(4+7),\ 9+((4+4)+7),\ 9+(4+(4+7)),\ \text{mod}[9+4,7]\,4,\ (9+(4-7))\,4,$$
$$((9+4)-7)\,4,\ ((9+4)+7)+4,\ (9+(4+7))+4,\ (9+4)+(7+4),\ 9+((4+7)+4),$$
$$9+(4+(7+4)),\ (\text{mod}[9,7]+4)\,4,\ ((9-7)+4)\,4,\ (9-\text{mod}[7,4])\,4,\ (9-(7-4))\,4,$$
$$((9+7)+4)+4,\ (9+(7+4))+4,\ (9+7)+(4+4),\ 9+((7+4)+4),\ 9+(7+(4+4))\}\},$$
$$\{\{4,4,7,10\},\{(4+4)\,\text{mod}[10,7],\ (4+4)\,(10-7),\ 4\times 7-\text{mod}[4,10],\ \text{mod}[4,7]\,(10-4),$$
$$4\,\text{mod}[7,10]-4,\ 4\,\text{mod}[10-4,7],\ 4\,(10-\text{mod}[4,7]),\ \text{mod}[4,10]\,7-4,$$
$$7\times 4-\text{mod}[4,10],\ 7\,\text{mod}[4,10]-4,\ \text{mod}[7,10]\,4-4,\ (10-4)\,\text{mod}[4,7],$$
$$\text{mod}[10-4,7]\,4,\ (10-\text{mod}[4,7])\,4,\ \text{mod}[10,7]\,(4+4),\ (10-7)\,(4+4)\}\},$$
$$\left\{\{4,4,8,8\},\ \left\{((4+4)+8)+8,\ (4+(4+8))+8,\ 4\,\text{mod}[4,8]+8,\ \text{root}[4,4]^8+8,\right.\right.$$
$$(4+4)+(8+8),\ 4+((4+8)+8),\ 4+(4+(8+8)),\ \frac{4^4}{8}-8,\ \frac{4+8}{4}\,8,\ \text{mod}[4,8]\,4+8,$$
$$((4+8)+4)+8,\ (4+(8+4))+8,\ 4^{\frac{8}{4}}+8,\ \text{root}\left[4^8,4\right]+8,\ 4\,(8-4)+8,\ (4+8)+(4+8),$$
$$4+((8+4)+8),\ 4+(8+(4+8)),\ \frac{4+8}{\frac{4}{8}},\ ((4+8)+8)+4,\ (4+(8+8))+4,\ (4+8)+(8+4),$$
$$4+((8+8)+4),\ 4+(8+(8+4)),\ (4+8)\,\frac{8}{4},\ \frac{(4+8)\,8}{4},\ 4\left(8-\frac{8}{4}\right),\ \frac{8+4}{4}\,8,\ \frac{8}{4}\,(4+8),$$
$$(8-4)\,4+8,\ ((8+4)+4)+8,\ (8+(4+4))+8,\ \left(\frac{8}{4}\right)^4+8,\ (8+4)+(4+8),\ 8+((4+4)+8),$$
$$\left.8+(4+(4+8)),\ \frac{8}{\frac{4}{4+8}},\ \frac{8+4}{\frac{4}{8}},\ 8+4\,\text{mod}[4,8],\ 8+\text{root}[4,4]^8,\ 8-4\,(4-8),\ \frac{8}{4}\,(4+8),\right.$$

$$((8+4)+8)+4,\ (8+(4+8))+4,\ 8+\text{mod}[4,\ 8]\ 4,\ (8+4)+(8+4),\ 8+((4+8)+4),$$
$$8+(4+(8+4)),\ (8+4)\ \frac{8}{4},\ \frac{8}{\frac{4}{8+4}},\ \frac{(8+4)\ 8}{4},\ 8\ \frac{4+8}{4},\ \frac{8\ (4+8)}{4},\ 8+4^{\frac{8}{4}},\ 8+\text{root}\left[4^8,\ 4\right],$$
$$8+4\ (8-4),\ 8-(4-8)\ 4,\ \left(8-\frac{8}{4}\right)\ 4,\ ((8+8)+4)+4,\ (8+(8+4))+4,\ 8+(8-4)\ 4,$$
$$(8+8)+(4+4),\ 8+((8+4)+4),\ 8+(8+(4+4)),\ 8\ \frac{8+4}{4},\ \frac{8\ (8+4)}{4},\ 8+\left(\frac{8}{4}\right)^4\Big\}\Big\},$$

$$\Big\{\{4,\ 4,\ 8,\ 9\},\ \Big\{\frac{4}{\text{Log}[4,\ 8]}\ 9,\ \frac{4}{\frac{\text{Log}[4,8]}{9}},\ 4\times 4+\text{mod}[8,\ 9],\ 4\ \text{mod}[4,\ 9]+8,\ \frac{4}{\text{Log}\left[4^9,\ 8\right]},$$
$$(4\ \text{Log}[8,\ 4])\ 9,\ 4\ (\text{Log}[8,\ 4]\ 9),\ 4\ \text{Log}\left[8,\ 4^9\right],\ (4-\text{mod}[9,\ 4])\ 8,\ \text{mod}[4,\ 9]\ 4+8,$$
$$4\ \frac{9}{\text{Log}[4,\ 8]},\ \frac{4\times 9}{\text{Log}[4,\ 8]},\ 4\times 9-(4+8),\ (4\times 9-4)-8,\ (4\times 9)\ \text{Log}[8,\ 4],\ 4\ (9\ \text{Log}[8,\ 4]),$$
$$4\times 9-(8+4),\ (4\times 9-8)-4,\ (\text{Log}[8,\ 4]\ 4)\ 9,\ \text{Log}\left[8,\ 4^4\right]\ 9,\ \text{Log}[8,\ 4]\ (4\times 9),\ \text{Log}\left[8,\ \left(4^4\right)^9\right],$$
$$8+4\ \text{mod}[4,\ 9],\ (\text{Log}[8,\ 4]\ 9)\ 4,\ \text{Log}\left[8,\ 4^9\right]\ 4,\ \text{Log}[8,\ 4]\ (9\times 4),\ 8+\text{mod}[4,\ 9]\ 4,$$
$$\text{Log}\left[8,\ \left(4^9\right)^4\right],\ 8\ (4-\text{mod}[9,\ 4]),\ \text{mod}[8,\ 9]+4\times 4,\ 9\ \frac{4}{\text{Log}[4,\ 8]},\ \frac{9}{\text{Log}\left[4^4,\ 8\right]},\ \frac{9\times 4}{\text{Log}[4,\ 8]},$$
$$9\times 4-(4+8),\ (9\times 4-4)-8,\ \frac{9}{\text{Log}[4,\ 8]}\ 4,\ \frac{9}{\frac{\text{Log}[4,8]}{4}},\ (9\times 4)\ \text{Log}[8,\ 4],\ 9\ (4\ \text{Log}[8,\ 4]),$$
$$9\times 4-(8+4),\ (9\times 4-8)-4,\ (9\ \text{Log}[8,\ 4])\ 4,\ 9\ (\text{Log}[8,\ 4]\ 4),\ 9\ \text{Log}\left[8,\ 4^4\right]\Big\}\Big\},$$
$$\Big\{\{4,\ 4,\ 8,\ 10\},\ \Big\{4\ ((4-8)+10),\ 4\times 4+\text{mod}[8,\ 10],\ 4\ \text{mod}\left[4^8,\ 10\right],\ 4\ (4-(8-10)),$$
$$4\ \text{mod}[4,\ 10]+8,\ 4\ (4+\text{mod}[10,\ 8]),\ 4\ \text{mod}[4+10,\ 8],\ 4\ (4+(10-8)),\ 4\ ((4+10)-8),$$
$$\text{root}[4,\ 4]^{10}-8,\ 4+\frac{8}{4}\ 10,\ 4+\frac{8}{\frac{4}{10}},\ 4\ \text{mod}\left[8^4,\ 10\right],\ (4-8)\ (4-10),\ ((4-8)+10)\ 4,$$
$$\text{mod}\left[4^8,\ 10\right]\ 4,\ (4-(8-10))\ 4,\ 4+8\times\frac{10}{4},\ 4+\frac{8\times 10}{4},\ (4+8)\ \text{mod}[10,\ 4],\ 4\ (8-\text{mod}[10,\ 4]),$$
$$\text{mod}[4,\ 8]\ (10-4),\ \text{mod}[4,\ 10]\ 4+8,\ 4^{\text{mod}[10,4]}+8,\ 4+\frac{10}{4}\ 8,\ 4+\frac{10}{\frac{4}{8}},\ 4\ \text{mod}[10+4,\ 8],$$
$$4\ \text{mod}[10-4,\ 8],\ (4-10)\ (4-8),\ 4\ (10+(4-8)),\ 4\ (10-\text{mod}[4,\ 8]),\ 4\ ((10+4)-8),\ 4^{\frac{10}{4}}-8,$$
$$\text{root}\left[4^{10},\ 4\right]-8,\ (4+\text{mod}[10,\ 8])\ 4,\ \text{mod}[4+10,\ 8]\ 4,\ (4+(10-8))\ 4,\ ((4+10)-8)\ 4,$$
$$4\ (\text{mod}[10,\ 8]+4),\ 4\ ((10-8)+4),\ 4+10\times\frac{8}{4},\ 4+\frac{10\times 8}{4},\ 4\ (10-(8-4)),\ 8+4\ \text{mod}[4,\ 10],$$
$$\text{mod}\left[8^4,\ 10\right]\ 4,\ \frac{8}{4}\ 10+4,\ \frac{8}{\frac{4}{10}}+4,\ 8+\text{mod}[4,\ 10]\ 4,\ (8+4)\ \text{mod}[10,\ 4],\ 8+4^{\text{mod}[10,4]},$$
$$(8-4)\ (10-4),\ (8-\text{mod}[10,\ 4])\ 4,\ 8\times\frac{10}{4}+4,\ \frac{8\times 10}{4}+4,\ \text{mod}[8,\ 10]+4\times 4,\ 8+\text{mod}[10,\ 4]^4,$$
$$\text{mod}[10,\ 4]\ (4+8),\ \text{mod}[10,\ 4]^4+8,\ (10-4)\ \text{mod}[4,\ 8],\ \text{mod}[10+4,\ 8]\ 4,\ \text{mod}[10-4,\ 8]\ 4,$$
$$(10+(4-8))\ 4,\ (10-\text{mod}[4,\ 8])\ 4,\ ((10+4)-8)\ 4,\ \text{mod}[10,\ 4]\ (8+4),\ \frac{10}{4}\ 8+4,\ \frac{10}{\frac{4}{8}}+4,$$
$$(10-4)\ (8-4),\ (\text{mod}[10,\ 8]+4)\ 4,\ ((10-8)+4)\ 4,\ (10-(8-4))\ 4,\ 10\times\frac{8}{4}+4,\ \frac{10\times 8}{4}+4\Big\}\Big\},$$
$$\{\{4,\ 4,\ 9,\ 9\},\ \{\}\},\ \{\{4,\ 4,\ 9,\ 10\},\ \{4\ \text{mod}[4\times 9,\ 10],\ 4\ \text{mod}[9\times 4,\ 10],$$

$$\mathrm{mod}[4\times 9,\,10]\;4,\ \mathrm{mod}[4,\,9]\;(10-4),\ 4\,\mathrm{mod}[10-4,\,9],\ 4\;(10-\mathrm{mod}[4,\,9]),$$
$$\mathrm{mod}[9\times 4,\,10]\;4,\ (10-4)\,\mathrm{mod}[4,\,9],\ \mathrm{mod}[10-4,\,9]\;4,\ (10-\mathrm{mod}[4,\,9])\;4\}\},$$

$$\left\{\{4,\,4,\,10,\,10\},\ \left\{4\,\mathrm{mod}\left[4^{10},\,10\right],\ 4+\mathrm{mod}[10,\,4]\;10,\ 4\,\mathrm{mod}[10-4,\,10],\ 4\;(10-\mathrm{mod}[4,\,10]),\right.\right.$$
$$\mathrm{mod}\left[4^{10},\,10\right]\;4,\ 4+10\,\mathrm{mod}[10,\,4],\ \mathrm{mod}[4,\,10]\;(10-4),\ (10-4)\,\mathrm{mod}[4,\,10],$$
$$\left.\left.\mathrm{mod}[10-4,\,10]\;4,\ (10-\mathrm{mod}[4,\,10])\;4,\ \mathrm{mod}[10,\,4]\;10+4,\ 10\,\mathrm{mod}[10,\,4]+4,\ \frac{10\times 10-4}{4}\right\}\right\},$$

$$\left\{\{4,\,5,\,5,\,5\},\ \left\{4\left(\frac{5}{5}+5\right),\ 4\;(\mathrm{Log}[5,\,5]+5),\ (4-5)+5\times 5,\ 4\left(5+\frac{5}{5}\right),\ 4\;(5+\mathrm{Log}[5,\,5]),\right.\right.$$
$$4-(5-5\times 5),\ 4+(5\times 5-5),\ (4+5\times 5)-5,\ 5\times 5+(4-5),\ (5\times 5+4)-5,\ \left(\frac{5}{5}+5\right)\;4,$$
$$\left.\left.(\mathrm{Log}[5,\,5]+5)\;4,\ \left(5+\frac{5}{5}\right)\;4,\ (5+\mathrm{Log}[5,\,5])\;4,\ (5\times 5-5)+4,\ 5\times 5-\mathrm{mod}[5,\,4],\ 5\times 5-(5-4)\right\}\right\},$$

$$\left\{\{4,\,5,\,5,\,6\},\ \left\{\left(\frac{4}{5}\,5\right)\;6,\ ((4-5)+5)\;6,\ \frac{4}{\frac{5}{5}}\;6,\ \frac{4}{\mathrm{Log}[5,\,5]}\;6,\ \left(4\times\frac{5}{5}\right)\;6,\ \frac{4\times 5}{5}\;6,\right.\right.$$
$$(4\,\mathrm{Log}[5,\,5])\;6,\ \mathrm{mod}[4,\,5+5]\;6,\ (4+\mathrm{mod}[5,\,5])\;6,\ \mathrm{mod}[4+5,\,5]\;6,\ \mathrm{mod}[\mathrm{mod}[4,\,5],\,5]\;6,$$
$$\mathrm{mod}\left[4^5,\,5\right]\;6,\ 4^{\frac{5}{5}}\;6,\ 4^{\mathrm{Log}[5,5]}\;6,\ \mathrm{root}[4,\,5]^5\;6,\ \mathrm{root}\left[4,\,\frac{5}{5}\right]\;6,\ \mathrm{root}[4,\,\mathrm{Log}[5,\,5]]\;6,$$
$$\mathrm{root}\left[4^5,\,5\right]\;6,\ (4-\mathrm{mod}[5,\,5])\;6,\ (4-(5-5))\;6,\ (4+(5-5))\;6,\ ((4+5)-5)\;6,\ \frac{4}{5}\;(5\times 6),$$
$$4\left(\frac{5}{5}\,6\right),\ 4\;(\mathrm{Log}[5,\,5]\;6),\ 4\;(\mathrm{mod}[5,\,5]+6),\ 4\;((5-5)+6),\ \frac{4}{\frac{5}{5\times 6}},\ \frac{4}{\frac{5}{\frac{5}{6}}},\ \frac{4}{\frac{\mathrm{Log}[5,5]}{6}},$$
$$\frac{4}{\mathrm{Log}[5,\,\mathrm{root}[5,\,6]]},\ 4\,\frac{5}{\frac{5}{6}},\ \frac{4\times 5}{\frac{5}{6}},\ 4\,\mathrm{Log}\left[5,\,5^6\right],\ 4\times 5^{\mathrm{Log}[5,6]},\ 4\;(5-(5-6)),\ \left(\frac{4}{5}\,6\right)\;5,$$
$$\frac{4}{\frac{5}{6}}\,5,\ \frac{4}{5}\;(6\times 5),\ \frac{4}{\frac{5}{6\times 5}},\ \frac{4}{\frac{\frac{5}{6}}{5}},\ \frac{4}{\mathrm{Log}\left[5^6,\,5\right]},\ (4\times 5)\;\frac{6}{5},\ 4\left(5\times\frac{6}{5}\right),\ 4\,\frac{5\times 6}{5},\ \frac{(4\times 5)\;6}{5},\ \frac{4\;(5\times 6)}{5},$$
$$4\,\mathrm{Log}[\mathrm{root}[5,\,6],\,5],\ 4\;(5+\mathrm{mod}[6,\,5]),\ 4\;(5+(6-5)),\ 4\;((5+6)-5),\ \left(4\times\frac{6}{5}\right)\;5,$$
$$\frac{4\times 6}{5}\,5,\ 4\left(\frac{6}{5}\,5\right),\ 4\;(\mathrm{mod}[6,\,5]+5),\ 4\;((6-5)+5),\ (4\times 6-5)+5,\ (4\times 6)\;\frac{5}{5},\ 4\left(6\times\frac{5}{5}\right),$$
$$4\,\frac{6}{\frac{5}{5}},\ 4\,\frac{6}{\mathrm{Log}[5,\,5]},\ 4\,\frac{6\times 5}{5},\ \frac{(4\times 6)\;5}{5},\ \frac{4\times 6}{\frac{5}{5}},\ \frac{4\times 6}{\mathrm{Log}[5,\,5]},\ \frac{4\;(6\times 5)}{5},\ (4\times 6)\;\mathrm{Log}[5,\,5],$$
$$4\;(6\,\mathrm{Log}[5,\,5]),\ 4\;(6+\mathrm{mod}[5,\,5]),\ 4\times 6+\mathrm{mod}[5,\,5],\ 4\,\mathrm{mod}[6,\,5+5],\ 4\times 6^{\frac{5}{5}},\ 4\times 6^{\mathrm{Log}[5,5]},$$
$$(4\times 6)^{\frac{5}{5}},\ (4\times 6)^{\mathrm{Log}[5,5]},\ 4\,\mathrm{root}[6,\,5]^5,\ \mathrm{root}[4\times 6,\,5]^5,\ 4\,\mathrm{root}\left[6,\,\frac{5}{5}\right],\ 4\,\mathrm{root}[6,\,\mathrm{Log}[5,\,5]],$$
$$\mathrm{root}\left[4\times 6,\,\frac{5}{5}\right],\ \mathrm{root}[4\times 6,\,\mathrm{Log}[5,\,5]],\ 4\,\mathrm{root}\left[6^5,\,5\right],\ \mathrm{root}\left[(4\times 6)^5,\,5\right],\ 4\;(6+(5-5)),$$
$$4\times 6+(5-5),\ 4\;(6-\mathrm{mod}[5,\,5]),\ 4\;(6-(5-5)),\ 4\times 6-\mathrm{mod}[5,\,5],\ 4\times 6-(5-5),$$
$$4\;((6+5)-5),\ (4\times 6+5)-5,\ \left(5\times\frac{4}{5}\right)\;6,\ \frac{5\times 4}{5}\;6,\ \mathrm{Log}[\mathrm{root}[5,\,4],\,5]\;6,\ \mathrm{mod}[5+4,\,5]\;6,$$
$$(5+(4-5))\;6,\ ((5+4)-5)\;6,\ 5\left(\frac{4}{5}\,6\right),\ 5\,\frac{4}{\frac{5}{6}},\ \frac{5\times 4}{\frac{5}{6}},\ (5\times 4)\;\frac{6}{5},\ 5\left(4\times\frac{6}{5}\right),\ 5\,\frac{4\times 6}{5},$$

$$\frac{(5\times 4)\ 6}{5},\ \frac{5\ (4\times 6)}{5},\ 5+(4\times 6-5),\ (5+4\times 6)-5,\ \left(\frac{5}{5}\ 4\right)\ 6,\ (\text{Log}[5,\ 5]\ 4)\ 6,$$

$$(\text{mod}[5,\ 5]+4)\ 6,\ ((5-5)+4)\ 6,\ \frac{5}{\frac{5}{4}}\ 6,\ \text{Log}\left[5,\ 5^4\right]\ 6,\ 5^{\text{Log}[5,4]}\ 6,\ (5-\text{mod}[5,\ 4])\ 6,$$

$$(5-(5-4))\ 6,\ \frac{5}{5}\ (4\times 6),\ \text{Log}[5,\ 5]\ (4\times 6),\ \text{mod}[5,\ 5]+4\times 6,\ (5-5)+4\times 6,\ \frac{5}{\frac{5}{4\times 6}},\ \frac{5}{\frac{5}{\frac{4}{6}}},$$

$$\text{Log}\left[5,\ \left(5^4\right)^6\right],\ 5^{\text{Log}[5,4\times 6]},\ 5-(5-4\times 6),\ \left(\frac{5}{5}\ 6\right)\ 4,\ (\text{Log}[5,\ 5]\ 6)\ 4,\ (\text{mod}[5,\ 5]+6)\ 4,$$

$$((5-5)+6)\ 4,\ \frac{5}{\frac{5}{6}}\ 4,\ \text{Log}\left[5,\ 5^6\right]\ 4,\ 5^{\text{Log}[5,6]}\ 4,\ (5-(5-6))\ 4,\ \frac{5}{5}\ (6\times 4),\ \text{Log}[5,\ 5]\ (6\times 4),$$

$$\text{mod}[5,\ 5]+6\times 4,\ (5-5)+6\times 4,\ \frac{5}{\frac{5}{6\times 4}},\ \frac{5}{\frac{\frac{5}{6}}{4}},\ \text{Log}\left[5,\ \left(5^6\right)^4\right],\ 5^{\text{Log}[5,6\times 4]},\ 5-(5-6\times 4),$$

$$(5\times 6)\ \frac{4}{5},\ 5\left(6\times\frac{4}{5}\right),\ 5\ \frac{6\times 4}{5},\ \frac{(5\times 6)\ 4}{5},\ \frac{5\ (6\times 4)}{5},\ 5+(6\times 4-5),\ (5+6\times 4)-5,\ \left(5\times\frac{6}{5}\right)\ 4,$$

$$\frac{5\times 6}{5}\ 4,\ \text{Log}[\text{root}[5,\ 6],\ 5]\ 4,\ (5+\text{mod}[6,\ 5])\ 4,\ (5+(6-5))\ 4,\ ((5+6)-5)\ 4,$$

$$5\left(\frac{6}{5}\ 4\right),\ 5\ \frac{6}{\frac{5}{4}},\ \frac{5\times 6}{\frac{5}{4}},\ \left(6\times\frac{4}{5}\right)\ 5,\ \frac{6\times 4}{5}\ 5,\ 6\left(\frac{4}{5}\ 5\right),\ 6\ ((4-5)+5),\ (6\times 4-5)+5,\ 6\ \frac{4}{\frac{5}{5}},$$

$$6\ \frac{4}{\text{Log}[5,\ 5]},\ (6\times 4)\ \frac{5}{5},\ 6\left(4\times\frac{5}{5}\right),\ \frac{6\times 4}{\frac{5}{5}},\ \frac{6\times 4}{\text{Log}[5,\ 5]},\ 6\ \frac{4\times 5}{5},\ \frac{(6\times 4)\ 5}{5},\ \frac{6\ (4\times 5)}{5},$$

$$(6\times 4)\ \text{Log}[5,\ 5],\ 6\ (4\ \text{Log}[5,\ 5]),\ 6\ \text{mod}[4,\ 5+5],\ 6\ (4+\text{mod}[5,\ 5]),\ 6\times 4+\text{mod}[5,\ 5],$$

$$6\ \text{mod}[4+5,\ 5],\ 6\ \text{mod}[\text{mod}[4,\ 5],\ 5],\ 6\ \text{mod}\left[4^5,\ 5\right],\ 6\times 4^{\frac{5}{5}},\ 6\times 4^{\text{Log}[5,5]},\ (6\times 4)^{\frac{5}{5}},$$

$$(6\times 4)^{\text{Log}[5,5]},\ 6\ \text{root}[4,\ 5]^5,\ \text{root}[6\times 4,\ 5]^5,\ 6\ \text{root}\left[4,\ \frac{5}{5}\right],\ 6\ \text{root}[4,\ \text{Log}[5,\ 5]],$$

$$\text{root}\left[6\times 4,\ \frac{5}{5}\right],\ \text{root}[6\times 4,\ \text{Log}[5,\ 5]],\ 6\ \text{root}\left[4^5,\ 5\right],\ \text{root}\left[(6\times 4)^5,\ 5\right],\ 6\ (4-\text{mod}[5,\ 5]),$$

$$6\ (4-(5-5)),\ 6\ (4+(5-5)),\ 6\times 4+(5-5),\ 6\times 4-\text{mod}[5,\ 5],\ 6\times 4-(5-5),$$

$$6\ ((4+5)-5),\ (6\times 4+5)-5,\ \left(\frac{6}{5}\ 4\right)\ 5,\ \frac{6}{\frac{5}{4}}\ 5,\ \frac{6}{5}\ (4\times 5),\ (6\times 5)\ \frac{4}{5},\ 6\left(5\times\frac{4}{5}\right),\ \frac{6}{\frac{5}{4\times 5}},$$

$$\frac{6}{\frac{\frac{5}{4}}{5}},\ \frac{6}{\text{Log}\left[5^4,\ 5\right]},\ 6\ \frac{5\times 4}{5},\ \frac{(6\times 5)\ 4}{5},\ \frac{6\ (5\times 4)}{5},\ 6\ \text{Log}[\text{root}[5,\ 4],\ 5],\ 6\ \text{mod}[5+4,\ 5],$$

$$6\ (5+(4-5)),\ 6\ ((5+4)-5),\ \left(\frac{6}{5}\ 5\right)\ 4,\ (\text{mod}[6,\ 5]+5)\ 4,\ ((6-5)+5)\ 4,\ \left(6\times\frac{5}{5}\right)\ 4,$$

$$\frac{6}{\frac{5}{5}}\ 4,\ \frac{6}{\text{Log}[5,\ 5]}\ 4,\ \frac{6\times 5}{5}\ 4,\ (6\ \text{Log}[5,\ 5])\ 4,\ (6+\text{mod}[5,\ 5])\ 4,\ \text{mod}[6,\ 5+5]\ 4,$$

$$6^{\frac{5}{5}}\ 4,\ 6^{\text{Log}[5,5]}\ 4,\ \text{root}[6,\ 5]^5\ 4,\ \text{root}\left[6,\ \frac{5}{5}\right]\ 4,\ \text{root}[6,\ \text{Log}[5,\ 5]]\ 4,\ \text{root}\left[6^5,\ 5\right]\ 4,$$

$$(6+(5-5))\ 4,\ (6-\text{mod}[5,\ 5])\ 4,\ (6-(5-5))\ 4,\ ((6+5)-5)\ 4,\ \frac{6}{5}\ (5\times 4),\ 6\left(\frac{5}{5}\ 4\right),$$

$$6\ (\text{Log}[5,\ 5]\ 4),\ 6\ (\text{mod}[5,\ 5]+4),\ 6\ ((5-5)+4),\ 6\ \frac{5}{\frac{5}{4}},\ \frac{6}{\frac{5}{5\times 4}},\ \frac{6}{\frac{5}{\frac{5}{4}}},\ \frac{6}{\frac{\text{Log}[5,5]}{4}},$$

$$\frac{6}{\text{Log}[5,\ \text{root}[5,\ 4]]},\ \frac{6\times 5}{\frac{5}{4}},\ 6\ \text{Log}\left[5,\ 5^4\right],\ 6\times 5^{\text{Log}[5,4]},\ 6\ (5-\text{mod}[5,\ 4]),\ 6\ (5-(5-4))\Big\}\Big\},$$

$$\left\{\{4,\ 5,\ 5,\ 7\},\ \left\{4\left(7-\frac{5}{5}\right),\ 4\ (7-\text{Log}[5,\ 5]),\ \left(7-\frac{5}{5}\right)4,\ (7-\text{Log}[5,\ 5])\ 4\right\}\right\},$$

$$\left\{\{4,\ 5,\ 5,\ 8\},\ \left\{\left(4-\frac{5}{5}\right)8,\ (4-\text{Log}[5,\ 5])\ 8,\ 8\left(4-\frac{5}{5}\right),\ 8\ (4-\text{Log}[5,\ 5])\right\}\right\},$$

$$\{\{4,\ 5,\ 5,\ 9\},\ \{(4\times 5-5)+9,\ 4-5\ (5-9),\ 4\times 5-(5-9),\ 4\times 5+\text{mod}[9,\ 5],\ 4+5\ \text{mod}[9,\ 5],$$
$$4-(5-9)\ 5,\ 4\times 5+(9-5),\ 4+5\ (9-5),\ (4\times 5+9)-5,\ 4+\text{mod}[9,\ 5]\ 5,\ 4+(9-5)\ 5,$$
$$(5\times 4-5)+9,\ 5\times 4-(5-9),\ 5\times 4+\text{mod}[9,\ 5],\ 5\times 4+(9-5),\ (5\times 4+9)-5,$$
$$5\times 5-\text{mod}[9,\ 4],\ 5\ \text{mod}[9,\ 5]+4,\ 5\ (9-5)+4,\ 9+(4\times 5-5),\ (9+4\times 5)-5,$$
$$\text{mod}[9,\ 5]+4\times 5,\ (9-5)+4\times 5,\ 9-(5-4\times 5),\ 9+(5\times 4-5),\ (9+5\times 4)-5,$$
$$\text{mod}[9,\ 5]\ 5+4,\ (9-5)\ 5+4,\ \text{mod}[9,\ 5]+5\times 4,\ (9-5)+5\times 4,\ 9-(5-5\times 4)\}\},$$
$$\{\{4,\ 5,\ 5,\ 10\},\ \{((4+5)+5)+10,\ (4+(5+5))+10,\ (4+5)+(5+10),\ 4+((5+5)+10),$$
$$4+(5+(5+10)),\ ((4+5)+10)+5,\ (4+(5+10))+5,\ (4+5)+(10+5),$$
$$4+((5+10)+5),\ 4+(5+(10+5)),\ ((4+10)+5)+5,\ (4+(10+5))+5,$$
$$(4+10)+(5+5),\ 4+((10+5)+5),\ 4+(10+(5+5)),\ ((5+4)+5)+10,$$
$$(5+(4+5))+10,\ (5+4)+(5+10),\ 5+((4+5)+10),\ 5+(4+(5+10)),\ ((5+4)+10)+5,$$
$$(5+(4+10))+5,\ (5+4)+(10+5),\ 5+((4+10)+5),\ 5+(4+(10+5)),\ ((5+5)+4)+10,$$
$$(5+(5+4))+10,\ (5+5)+(4+10),\ 5+((5+4)+10),\ 5+(5+(4+10)),\ ((5+5)+10)+4,$$
$$(5+(5+10))+4,\ (5+5)+(10+4),\ 5+((5+10)+4),\ 5+(5+(10+4)),\ ((5+10)+4)+5,$$
$$(5+(10+4))+5,\ (5+10)+(4+5),\ 5+((10+4)+5),\ 5+(10+(4+5)),\ ((5+10)+5)+4,$$
$$(5+(10+5))+4,\ (5+10)+(5+4),\ 5+((10+5)+4),\ 5+(10+(5+4)),\ ((10+4)+5)+5,$$
$$(10+(4+5))+5,\ (10+4)+(5+5),\ 10+((4+5)+5),\ 10+(4+(5+5)),\ ((10+5)+4)+5,$$
$$(10+(5+4))+5,\ (10+5)+(4+5),\ 10+((5+4)+5),\ 10+(5+(4+5)),\ ((10+5)+5)+4,$$
$$(10+(5+5))+4,\ (10+5)+(5+4),\ 10+((5+5)+4),\ 10+(5+(5+4))\}\},$$
$$\left\{\{4,\ 5,\ 6,\ 6\},\ \Big\{\text{mod}[4,\ 5+6]\ 6,\ \text{mod}[4,\ \text{mod}[5,\ 6]]\ 6,\ \text{mod}[\text{mod}[4,\ 5],\ 6]\ 6,\ \text{mod}\left[4^5,\ 6\right]\ 6,\right.$$
$$4\left(5+\frac{6}{6}\right),\ 4\ (5+\text{Log}[6,\ 6]),\ \frac{4}{\text{mod}[6,\ 5]}\ 6,\ \frac{4}{6-5}\ 6,\ \text{mod}[4,\ 6+5]\ 6,\ (4\ \text{mod}[6,\ 5])\ 6,$$
$$\text{mod}[4\times 6,\ 5]\ 6,\ \text{mod}[\text{mod}[4,\ 6],\ 5]\ 6,\ 4^{\text{mod}[6,5]}\ 6,\ 4^{6-5}\ 6,\ \text{root}[4,\ \text{mod}[6,\ 5]]\ 6,$$
$$\text{root}[4,\ 6-5]\ 6,\ (4\ (6-5))\ 6,\ 4\ (\text{mod}[6,\ 5]\ 6),\ 4\ ((6-5)\ 6),\ \frac{4}{\frac{\text{mod}[6,5]}{6}},\ \frac{4}{\frac{6-5}{6}},\ \frac{4}{6^{5-6}},$$
$$\frac{4}{\text{root}[6,\ 5-6]},\ 4\ \text{mod}[6,\ 5+6],\ 4\left(\frac{6}{6}+5\right),\ 4\ (\text{Log}[6,\ 6]+5),\ 4\ \frac{6}{\text{mod}[6,\ 5]},\ 4\ \frac{6}{6-5},$$
$$\frac{4\times 6}{\text{mod}[6,\ 5]},\ \frac{4\times 6}{6-5},\ (4\times 6)\ \text{mod}[6,\ 5],\ 4\ (6\ \text{mod}[6,\ 5]),\ 4\ \text{mod}[6,\ 6+5],\ 4\times 6^{\text{mod}[6,5]},\ 4\times 6^{6-5},$$
$$(4\times 6)^{\text{mod}[6,5]},\ (4\times 6)^{6-5},\ 4\ \text{root}[6,\ \text{mod}[6,\ 5]],\ 4\ \text{root}[6,\ 6-5],\ \text{root}[4\times 6,\ \text{mod}[6,\ 5]],$$
$$\text{root}[4\times 6,\ 6-5],\ (4\times 6)\ (6-5),\ 4\ (6\ (6-5)),\ \left(5+\frac{6}{6}\right)4,\ (5+\text{Log}[6,\ 6])\ 4,\ \text{mod}[6\times 4,\ 5]\ 6,$$
$$\frac{6}{4^{5-6}},\ \frac{6}{\text{root}[4,\ 5-6]},\ 6\ \text{mod}[4,\ 5+6],\ 6\ \text{mod}[4,\ \text{mod}[5,\ 6]],\ 6\ \text{mod}[\text{mod}[4,\ 5],\ 6],$$
$$6\ \text{mod}\left[4^5,\ 6\right],\ 6\ \frac{4}{\text{mod}[6,\ 5]},\ 6\ \frac{4}{6-5},\ \frac{6\times 4}{\text{mod}[6,\ 5]},\ \frac{6\times 4}{6-5},\ 6\ \text{mod}[4,\ 6+5],\ (6\times 4)\ \text{mod}[6,\ 5],$$
$$6\ (4\ \text{mod}[6,\ 5]),\ 6\ \text{mod}[4\times 6,\ 5],\ 6\ \text{mod}[\text{mod}[4,\ 6],\ 5],\ 6\times 4^{\text{mod}[6,5]},\ 6\times 4^{6-5},$$
$$(6\times 4)^{\text{mod}[6,5]},\ (6\times 4)^{6-5},\ 6\ \text{root}[4,\ \text{mod}[6,\ 5]],\ 6\ \text{root}[4,\ 6-5],\ \text{root}[6\times 4,\ \text{mod}[6,\ 5]],$$
$$\text{root}[6\times 4,\ 6-5],\ (6\times 4)\ (6-5),\ 6\ (4\ (6-5)),\ (\text{mod}[6,\ 5]\ 4)\ 6,\ ((6-5)\ 4)\ 6,$$
$$\text{mod}[6,\ 5]\ (4\times 6),\ (6-5)\ (4\times 6),\ (\text{mod}[6,\ 5]\ 6)\ 4,\ ((6-5)\ 6)\ 4,\ \text{mod}[6,\ 5+6]\ 4,$$

$$\text{mod}[6,\,5]\ (6\times 4),\ (6-5)\ (6\times 4),\ 6\,\text{mod}[6\times 4,\,5],\ \left(\frac{6}{6}+5\right)\ 4,\ (\text{Log}[6,\,6]+5)\ 4,\ \frac{6}{\text{mod}[6,\,5]}\ 4,$$

$$\frac{6}{6-5}\ 4,\ (6\,\text{mod}[6,\,5])\ 4,\ \text{mod}[6,\,6+5]\ 4,\ 6^{\text{mod}[6,5]}\ 4,\ 6^{6-5}\ 4,\ \text{root}[6,\,\text{mod}[6,\,5]]\ 4,$$

$$\text{root}[6,\,6-5]\ 4,\ (6\ (6-5))\ 4,\ 6\ (\text{mod}[6,\,5]\ 4),\ 6\ ((6-5)\ 4),\ \frac{6}{\frac{\text{mod}[6,5]}{4}},\ \frac{6}{\frac{6-5}{4}}\Big\}\Big\},$$

$$\Big\{\{4,\,5,\,6,\,7\},\ \Big\{4\ ((5-6)+7),\ \text{mod}[4,\,5]\,\text{mod}[6,\,7]\,4\ (5-(6-7)),\ \text{mod}[4,\,5+7]\,6,$$
$$\text{mod}[4,\,\text{mod}[5,\,7]]\,6,\ \text{mod}[\text{mod}[4,\,5],\,7]\,6,\ 4\ (5+\text{mod}[7,\,6]),\ 4\ (5+(7-6)),\ 4\ ((5+7)-6),$$
$$4\,\text{mod}[6,\,5+7],\ 4\,\text{mod}\left[6^5,\,7\right],\ 4\,\text{mod}[6,\,7+5],\ \text{mod}[4,\,7+5]\,6,\ \text{mod}[\text{mod}[4,\,7],\,5]\,6,$$
$$\text{mod}\left[4^7,\,5\right]\,6,\ 4\ (7+(5-6)),\ 4\ ((7+5)-6),\ 4\ (\text{mod}[7,\,6]+5),\ 4\ ((7-6)+5),\ 4\ (7-\text{mod}[6,\,5]),$$
$$4\ (7-(6-5)),\ ((5-6)+7)\ 4,\ (5-(6-7))\ 4,\ (5+\text{mod}[7,\,6])\ 4,\ (5+(7-6))\ 4,$$
$$((5+7)-6)\ 4,\ (5+7)\,\text{mod}[6,\,4],\ (5+7)\ (6-4),\ \text{mod}[6,\,4]\ (5+7),\ (6-4)\ (5+7),$$
$$6\,\text{mod}[4,\,5+7],\ 6\,\text{mod}[4,\,\text{mod}[5,\,7]],\ 6\,\text{mod}[\text{mod}[4,\,5],\,7],\ \text{mod}[6,\,4]\ (7+5),\ (6-4)\ (7+5),$$
$$6\,\text{mod}[4,\,7+5],\ 6\,\text{mod}[\text{mod}[4,\,7],\,5],\ 6\,\text{mod}\left[4^7,\,5\right],\ \text{mod}[6,\,5+7]\,4,\ \text{mod}\left[6^5,\,7\right]\,4,$$
$$\text{mod}[6,\,7]\,\text{mod}[4,\,5],\ \text{mod}[6,\,7+5]\,4,\ (7+(5-6))\ 4,\ ((7+5)-6)\ 4,\ (7+5)\,\text{mod}[6,\,4],$$
$$(7+5)\ (6-4),\ (\text{mod}[7,\,6]+5)\ 4,\ ((7-6)+5)\ 4,\ (7-\text{mod}[6,\,5])\ 4,\ (7-(6-5))\ 4\Big\}\Big\},$$

$$\Big\{\{4,\,5,\,6,\,8\},\ \Big\{\text{mod}[4+5,\,6]\,8,\ (4+(5-6))\,8,\ ((4+5)-6)\,8,\ \text{mod}[4,\,5]\,\text{mod}[6,\,8],$$
$$4\,\text{mod}[5\times 6,\,8],\ \text{mod}[4,\,5+8]\,6,\ \text{mod}[4,\,\text{mod}[5,\,8]]\,6,\ \text{mod}[4\times 5,\,8]\,6,$$
$$\text{mod}[\text{mod}[4,\,5],\,8]\,6,\ ((4-6)+5)\,8,\ (4-\text{mod}[6,\,5])\,8,\ (4-(6-5))\,8,\ 4\,\text{mod}[6,\,5+8],$$
$$4\,\text{mod}[6\times 5,\,8],\ 4\,\text{mod}[6,\,8+5],\ \text{mod}[4,\,8+5]\,6,\ \text{mod}[\text{mod}[4,\,8],\,5]\,6,\ \text{mod}[5+4,\,6]\,8,$$
$$(5+(4-6))\,8,\ ((5+4)-6)\,8,\ \text{mod}[5\times 4,\,8]\,6,\ ((5-6)+4)\,8,\ \text{mod}[5+6,\,4]\,8,$$
$$(5-\text{mod}[6,\,4])\,8,\ (5-(6-4))\,8,\ \text{mod}[5\times 6,\,8]\,4,\ 6\,\text{mod}[4,\,5+8],\ 6\,\text{mod}[4,\,\text{mod}[5,\,8]],$$
$$6\,\text{mod}[4\times 5,\,8],\ 6\,\text{mod}[\text{mod}[4,\,5],\,8],\ \text{mod}[6,\,4]^5-8,\ (6-4)^5-8,\ 6\,\text{mod}[4,\,8+5],$$
$$6\,\text{mod}[\text{mod}[4,\,8],\,5],\ \text{mod}[6+5,\,4]\,8,\ 6\,\text{mod}[5\times 4,\,8],\ \text{mod}[6,\,5+8]\,4,\ \text{mod}[6\times 5,\,8]\,4,$$
$$\text{mod}[6,\,8]\,\text{mod}[4,\,5],\ 6\,\text{mod}[8-4,\,5],\ 6\ (8-\text{mod}[4,\,5]),\ \text{mod}[6,\,8+5]\,4,\ \text{mod}[8-4,\,5]\,6,$$
$$(8-\text{mod}[4,\,5])\,6,\ 8\,\text{mod}[4+5,\,6],\ 8\ (4+(5-6)),\ 8\ ((4+5)-6),\ 8\ ((4-6)+5),$$
$$8\ (4-\text{mod}[6,\,5]),\ 8\ (4-(6-5)),\ 8\,\text{mod}[5+4,\,6],\ 8\ (5+(4-6)),\ 8\ ((5+4)-6),$$
$$8\ ((5-6)+4),\ 8\,\text{mod}[5+6,\,4],\ 8\ (5-\text{mod}[6,\,4]),\ 8\ (5-(6-4)),\ 8\,\text{mod}[6+5,\,4]\Big\}\Big\},$$

$$\Big\{\{4,\,5,\,6,\,9\},\ \Big\{((4+5)+6)+9,\ (4+(5+6))+9,\ (4+5)+(6+9),\ 4+((5+6)+9),$$
$$4+(5+(6+9)),\ \text{mod}[4,\,5]\,\text{mod}[6,\,9],\ \text{mod}[4,\,5+9]\,6,\ \text{mod}[4,\,\text{mod}[5,\,9]]\,6,$$
$$\text{mod}[\text{mod}[4,\,5],\,9]\,6,\ ((4+5)+9)+6,\ (4+(5+9))+6,\ (4+5)+(9+6),\ 4+((5+9)+6),$$
$$4+(5+(9+6)),\ ((4+6)+5)+9,\ (4+(6+5))+9,\ (4+6)+(5+9),\ 4+((6+5)+9),$$
$$4+(6+(5+9)),\ 4\,\text{mod}[6,\,5+9],\ ((4+6)+9)+5,\ (4+(6+9))+5,\ (4+6)+(9+5),$$
$$4+((6+9)+5),\ 4+(6+(9+5)),\ 4\,\text{mod}[6,\,9+5],\ \text{mod}[4,\,9+5]\,6,\ \text{mod}[\text{mod}[4,\,9],\,5]\,6,$$
$$\text{mod}\left[4^9,\,5\right]\,6,\ ((4+9)+5)+6,\ (4+(9+5))+6,\ (4+9)+(5+6),\ 4+((9+5)+6),$$
$$4+(9+(5+6)),\ ((4+9)+6)+5,\ (4+(9+6))+5,\ (4+9)+(6+5),\ 4+((9+6)+5),$$
$$4+(9+(6+5)),\ ((5+4)+6)+9,\ (5+(4+6))+9,\ (5+4)+(6+9),\ 5+((4+6)+9),$$
$$5+(4+(6+9)),\ \text{mod}\left[5^4,\,9\right]\,6,\ ((5+4)+9)+6,\ (5+(4+9))+6,\ (5+4)+(9+6),$$
$$5+((4+9)+6),\ 5+(4+(9+6)),\ ((5+6)+4)+9,\ (5+(6+4))+9,\ (5+6)+(4+9),$$
$$5+((6+4)+9),\ 5+(6+(4+9)),\ ((5+6)+9)+4,\ (5+(6+9))+4,\ (5+6)+(9+4),$$
$$5+((6+9)+4),\ 5+(6+(9+4)),\ (5-\text{mod}[9,\,4])\,6,\ ((5+9)+4)+6,\ (5+(9+4))+6,$$
$$(5+9)+(4+6),\ 5+((9+4)+6),\ 5+(9+(4+6)),\ ((5+9)+6)+4,\ (5+(9+6))+4,$$
$$(5+9)+(6+4),\ 5+((9+6)+4),\ 5+(9+(6+4)),\ ((6+4)+5)+9,\ (6+(4+5))+9,$$
$$(6+4)+(5+9),\ 6+((4+5)+9),\ 6+(4+(5+9)),\ 6\,\text{mod}[4,\,5+9],\ 6\,\text{mod}[4,\,\text{mod}[5,\,9]],$$
$$6\,\text{mod}[\text{mod}[4,\,5],\,9],\ ((6+4)+9)+5,\ (6+(4+9))+5,\ (6+4)+(9+5),$$
$$6+((4+9)+5),\ 6+(4+(9+5)),\ 6\,\text{mod}[4,\,9+5],\ 6\,\text{mod}[\text{mod}[4,\,9],\,5],\ 6\,\text{mod}\left[4^9,\,5\right],$$
$$((6+5)+4)+9,\ (6+(5+4))+9,\ (6+5)+(4+9),\ 6+((5+4)+9),\ 6+(5+(4+9)),$$
$$6\,\text{mod}\left[5^4,\,9\right],\ \text{mod}[6,\,5+9]\,4,\ ((6+5)+9)+4,\ (6+(5+9))+4,\ (6+5)+(9+4),$$
$$6+((5+9)+4),\ 6+(5+(9+4)),\ 6\ (5-\text{mod}[9,\,4]),\ ((6+9)+4)+5,\ (6+(9+4))+5,$$
$$(6+9)+(4+5),\ 6+((9+4)+5),\ 6+(9+(4+5)),\ \text{mod}[6,\,9]\,\text{mod}[4,\,5],\ \text{mod}[6,\,9+5]\,4,$$
$$((6+9)+5)+4,\ (6+(9+5))+4,\ (6+9)+(5+4),\ 6+((9+5)+4),\ 6+(9+(5+4)),$$
$$((9+4)+5)+6,\ (9+(4+5))+6,\ (9+4)+(5+6),\ 9+((4+5)+6),\ 9+(4+(5+6)),$$
$$((9+4)+6)+5,\ (9+(4+6))+5,\ (9+4)+(6+5),\ 9+((4+6)+5),\ 9+(4+(6+5)),$$
$$((9+5)+4)+6,\ (9+(5+4))+6,\ (9+5)+(4+6),\ 9+((5+4)+6),\ 9+(5+(4+6)),$$
$$((9+5)+6)+4,\ (9+(5+6))+4,\ (9+5)+(6+4),\ 9+((5+6)+4),\ 9+(5+(6+4)),$$
$$((9+6)+4)+5,\ (9+(6+4))+5,\ (9+6)+(4+5),\ 9+((6+4)+5),\ 9+(6+(4+5)),$$

$$((9+6)+5)+4,\ (9+(6+5))+4,\ (9+6)+(5+4),\ 9+((6+5)+4),\ 9+(6+(5+4))\}\},$$

$$\{\{4,5,6,10\},\{(4\times5-6)+10,\ \text{mod}[4,5]\,\text{mod}[6,10],\ 4-5\,(6-10),\ 4\times5-(6-10),$$
$$4+(5\times6-10),\ (4+5\times6)-10,\ \text{mod}[4,5+10]\,6,\ \text{mod}[4,\text{mod}[5,10]]\,6,\ \text{mod}[\text{mod}[4,5],10]\,6,$$
$$\text{mod}\left[4^5,10\right]6,\ 4\times5+\text{mod}[10,6],\ 4+5\,\text{mod}[10,6],\ 4\times5+(10-6),\ 4+5\,(10-6),$$
$$(4\times5+10)-6,\ 4\,\text{mod}[6,5+10],\ 4\,\text{mod}\left[6^5,10\right],\ 4+(6\times5-10),\ (4+6\times5)-10,$$
$$4\,\text{mod}[6,10+5],\ 4\,(6+\text{mod}[10,5]),\ 4\times6+\text{mod}[10,5],\ 4-(6-10)\,5,\ 4\,(6-\text{mod}[10,5]),$$
$$4\times6-\text{mod}[10,5],\ \text{mod}[4,10+5]\,6,\ \text{mod}[4,10-5]\,6,\ (4+\text{mod}[10,5])\,6,\ \text{mod}[4+10,5]\,6,$$
$$\text{mod}[\text{mod}[4,10],5]\,6,\ (4-\text{mod}[10,5])\,6,\ 4\,(\text{mod}[10,5]+6),\ (4-10)+5\times6,\ 4-(10-5\times6),$$
$$(4-10)+6\times5,\ 4+\text{mod}[10,6]\,5,\ 4+(10-6)\,5,\ 4-(10-6\times5),\ (5\times4-6)+10,$$
$$5\times4-(6-10),\ 5\times4+\text{mod}[10,6],\ 5\times4+(10-6),\ (5\times4+10)-6,\ 5\times6+(4-10),$$
$$(5\times6+4)-10,\ (5\times6-10)+4,\ 5\times6-(10-4),\ 5\,(10-4)-6,\ 5\,\text{mod}[10,6]+4,$$
$$5\,(10-6)+4,\ 6\,\text{mod}[4,5+10],\ 6\,\text{mod}[4,\text{mod}[5,10]],\ 6\,\text{mod}[\text{mod}[4,5],10],$$
$$6\,\text{mod}\left[4^5,10\right],\ 6\,\text{mod}[4,10+5],\ 6\,\text{mod}[4,10-5],\ 6\,(4+\text{mod}[10,5]),\ 6\times4+\text{mod}[10,5],$$
$$6\,\text{mod}[4+10,5],\ 6\,\text{mod}[\text{mod}[4,10],5],\ 6\,(4-\text{mod}[10,5]),\ 6\times4-\text{mod}[10,5],$$
$$6\times5+(4-10),\ (6\times5+4)-10,\ \text{mod}[6,5+10]\,4,\ \text{mod}\left[6^5,10\right]4,\ (6\times5-10)+4,$$
$$6\times5-(10-4),\ \text{mod}[6,10]\,\text{mod}[4,5],\ 6\,\text{mod}[10+4,5],\ \text{mod}[6,10+5]\,4,\ (6+\text{mod}[10,5])\,4,$$
$$(6-\text{mod}[10,5])\,4,\ 6\,(\text{mod}[10,5]+4),\ \text{mod}[10+4,5]\,6,\ 10+(4\times5-6),\ (10-4)\,5-6,$$
$$(10+4\times5)-6,\ (\text{mod}[10,5]+4)\,6,\ \text{mod}[10,5]+4\times6,\ 10+(5\times4-6),\ (10+5\times4)-6,$$
$$(\text{mod}[10,5]+6)\,4,\ \text{mod}[10,5]+6\times4,\ \text{mod}[10,6]+4\times5,\ (10-6)+4\times5,\ 10-(6-4\times5),$$
$$\text{mod}[10,6]\,5+4,\ (10-6)\,5+4,\ \text{mod}[10,6]+5\times4,\ (10-6)+5\times4,\ 10-(6-5\times4)\}\},$$

$$\left\{\{4,5,7,7\},\left\{4\left(5+\frac{7}{7}\right),\ 4\,(5+\text{Log}[7,7]),\ 4\left(\frac{7}{7}+5\right),\ 4\,(\text{Log}[7,7]+5),\ 5\times7-(4+7),\right.\right.$$
$$(5\times7-4)-7,\ \left(5+\frac{7}{7}\right)4,\ (5+\text{Log}[7,7])\,4,\ 5\times7-(7+4),\ (5\times7-7)-4,\ 7\times5-(4+7),$$
$$\left.\left.(7\times5-4)-7,\ 7\times5-(7+4),\ (7\times5-7)-4,\ \left(\frac{7}{7}+5\right)4,\ (\text{Log}[7,7]+5)\,4\right\}\right\},$$

$$\{\{4,5,7,8\},\{((4+5)+7)+8,\ (4+(5+7))+8,\ 4\,((5-7)+8),\ (4+5)+(7+8),$$
$$4+((5+7)+8),\ 4+(5+(7+8)),\ 4\,(5-(7-8)),\ ((4+5)+8)+7,\ (4+(5+8))+7,$$
$$(4+5)+(8+7),\ 4+((5+8)+7),\ 4+(5+(8+7)),\ 4\,(5+\text{mod}[8,7]),\ 4\,\text{mod}[5+8,7],$$
$$4\,(5+(8-7)),\ 4\,((5+8)-7),\ \text{mod}[4\times7,5]\,8,\ ((4+7)+5)+8,\ (4+(7+5))+8,$$
$$4^{\text{mod}[7,5]}+8,\ 4^{7-5}+8,\ (4+7)+(5+8),\ 4+((7+5)+8),\ 4+(7+(5+8)),\ ((4+7)+8)+5,$$
$$(4+(7+8))+5,\ (4+7)+(8+5),\ 4+((7+8)+5),\ 4+(7+(8+5)),\ ((4+8)+5)+7,$$
$$(4+(8+5))+7,\ (4+8)+(5+7),\ 4+((8+5)+7),\ 4+(8+(5+7)),\ 4\,\text{mod}[8+5,7],$$
$$4\,(8+(5-7)),\ 4\,((8+5)-7),\ ((4+8)+7)+5,\ (4+(8+7))+5,\ 4\,(\text{mod}[8,7]+5),$$
$$4\,((8-7)+5),\ (4+8)+(7+5),\ 4+((8+7)+5),\ 4+(8+(7+5)),\ (4+8)\,\text{mod}[7,5],$$
$$(4+8)\,(7-5),\ 4\,(8-\text{mod}[7,5]),\ 4\,(8-(7-5)),\ ((5+4)+7)+8,\ (5+(4+7))+8,$$
$$(5+4)+(7+8),\ 5+((4+7)+8),\ 5+(4+(7+8)),\ ((5+4)+8)+7,\ (5+(4+8))+7,$$
$$(5+4)+(8+7),\ 5+((4+8)+7),\ 5+(4+(8+7)),\ \frac{5+7}{4}\,8,\ \text{mod}[5\times7,4]\,8,\ ((5+7)+4)+8,$$
$$(5+(7+4))+8,\ (5+7)+(4+8),\ 5+((7+4)+8),\ 5+(7+(4+8)),\ \frac{5+7}{\frac{4}{8}},\ ((5-7)+8)\,4,$$
$$(5-(7-8))\,4,\ ((5+7)+8)+4,\ (5+(7+8))+4,\ (5+7)+(8+4),\ 5+((7+8)+4),$$
$$5+(7+(8+4)),\ (5+7)\,\frac{8}{4},\ \frac{(5+7)\,8}{4},\ ((5+8)+4)+7,\ (5+(8+4))+7,\ (5+8)+(4+7),$$
$$5+((8+4)+7),\ 5+(8+(4+7)),\ (5+\text{mod}[8,7])\,4,\ \text{mod}[5+8,7]\,4,\ (5+(8-7))\,4,$$
$$((5+8)-7)\,4,\ ((5+8)+7)+4,\ (5+(8+7))+4,\ (5+8)+(7+4),\ 5+((8+7)+4),$$
$$5+(8+(7+4)),\ \text{mod}[7,\text{mod}[4,5]]\,8,\ \text{mod}[7\times4,5]\,8,\ \text{mod}[\text{mod}[7,4],5]\,8,\ \text{mod}[7-4,5]\,8,$$
$$(7-\text{mod}[4,5])\,8,\ ((7+4)+5)+8,\ (7+(4+5))+8,\ (7+4)+(5+8),\ 7+((4+5)+8),$$
$$7+(4+(5+8)),\ ((7+4)+8)+5,\ (7+(4+8))+5,\ (7+4)+(8+5),\ 7+((4+8)+5),$$
$$7+(4+(8+5)),\ \frac{7+5}{4}\,8,\ \text{mod}[7\times5,4]\,8,\ \text{mod}\left[7^5,4\right]8,\ \text{mod}[7,5]\,(4+8),\ (7-5)\,(4+8),$$
$$((7+5)+4)+8,\ (7+(5+4))+8,\ \text{mod}[7,5]^4+8,\ (7-5)^4+8,\ (7+5)+(4+8),$$

$$7+((5+4)+8),\ 7+(5+(4+8)),\ \frac{7+5}{\frac{4}{8}},\ \text{mod}[7,5]\ (8+4),\ (7-5)\ (8+4),\ ((7+5)+8)+4,$$

$$(7+(5+8))+4,\ (7+5)+(8+4),\ 7+((5+8)+4),\ 7+(5+(8+4)),\ (7+5)\ \frac{8}{4},\ \frac{(7+5)\ 8}{4},$$
$$((7+8)+4)+5,\ (7+(8+4))+5,\ (7+8)+(4+5),\ 7+((8+4)+5),\ 7+(8+(4+5)),$$
$$((7+8)+5)+4,\ (7+(8+5))+4,\ (7+8)+(5+4),\ 7+((8+5)+4),\ 7+(8+(5+4)),$$
$$\frac{8}{4}\ (5+7),\ ((8+4)+5)+7,\ (8+(4+5))+7,\ (8+4)+(5+7),\ 8+((4+5)+7),$$

$$8+(4+(5+7)),\ \frac{8}{\frac{4}{5+7}},\ \frac{8}{4}\ (7+5),\ ((8+4)+7)+5,\ (8+(4+7))+5,\ (8+4)+(7+5),$$

$$8+((4+7)+5),\ 8+(4+(7+5)),\ \frac{8}{\frac{4}{7+5}},\ (8+4)\ \text{mod}[7,5],\ 8\ \text{mod}[4\times 7,5],\ 8+4^{\text{mod}[7,5]},$$

$$8+4^{7-5},\ (8+4)\ (7-5),\ ((8+5)+4)+7,\ (8+(5+4))+7,\ (8+5)+(4+7),\ 8+((5+4)+7),$$
$$8+(5+(4+7)),\ \text{mod}[8+5,7]\ 4,\ (8+(5-7))\ 4,\ ((8+5)-7)\ 4,\ ((8+5)+7)+4,$$
$$(8+(5+7))+4,\ (8+5)+(7+4),\ 8+((5+7)+4),\ 8+(5+(7+4)),\ 8\ \frac{5+7}{4},\ \frac{8\ (5+7)}{4},$$
$$8\ \text{mod}[5\times 7,4],\ ((8+7)+4)+5,\ (8+(7+4))+5,\ (8+7)+(4+5),\ 8+((7+4)+5),$$
$$8+(7+(4+5)),\ 8\ \text{mod}[7,\text{mod}[4,5]],\ 8\ \text{mod}[7\times 4,5],\ 8\ \text{mod}[\text{mod}[7,4],5],\ 8\ \text{mod}[7-4,5],$$
$$8\ (7-\text{mod}[4,5]),\ (\text{mod}[8,7]+5)\ 4,\ ((8-7)+5)\ 4,\ (8-\text{mod}[7,5])\ 4,\ (8-(7-5))\ 4,$$
$$((8+7)+5)+4,\ (8+(7+5))+4,\ (8+7)+(5+4),\ 8+((7+5)+4),\ 8+(7+(5+4)),$$
$$8\ \frac{7+5}{4},\ \frac{8\ (7+5)}{4},\ 8\ \text{mod}[7\times 5,4],\ 8\ \text{mod}\left[7^5,4\right],\ 8+\text{mod}[7,5]^4,\ 8+(7-5)^4\Big\}\Big\},$$

$$\Big\{\{4,5,7,9\},\ \Big\{4\ \text{mod}\left[5^9,7\right],\ 4\times 7+(5-9),\ (4\times 7+5)-9,\ (4\times 7-9)+5,\ 4\times 7-\text{mod}[9,5],$$
$$4\times 7-(9-5),\ 4\times 9-(5+7),\ (4\times 9-5)-7,\ 4\times 9-(7+5),\ (4\times 9-7)-5,\ 5+(4\times 7-9),$$
$$(5+4\times 7)-9,\ 5\ \text{mod}[7,4]+9,\ 5\ (7-4)+9,\ 5+(7\times 4-9),\ (5+7\times 4)-9,\ (5-9)+4\times 7,$$
$$5-(9-4\times 7),\ \text{mod}\left[5^9,7\right]\ 4,\ (5-9)+7\times 4,\ 5-(9-7\times 4),\ \text{mod}[7,4]\ 5+9,\ (7-4)\ 5+9,$$
$$7\times 4+(5-9),\ (7\times 4+5)-9,\ (7\times 4-9)+5,\ 7\times 4-\text{mod}[9,5],\ 7\times 4-(9-5),\ 7\ \text{mod}[9,5]-4,$$
$$7\ (9-5)-4,\ 9\times 4-(5+7),\ (9\times 4-5)-7,\ 9-(4-7)\ 5,\ 9\times 4-(7+5),\ (9\times 4-7)-5,\ 9-5\ (4-7),$$
$$9+5\ \text{mod}[7,4],\ 9+5\ (7-4),\ \text{mod}[9,5]\ 7-4,\ (9-5)\ 7-4,\ 9+\text{mod}[7,4]\ 5,\ 9+(7-4)\ 5\Big\}\Big\},$$

$$\{\{4,5,7,10\},\ \{4-(5-7)\ 10,\ 4+\text{mod}[7,5]\ 10,\ 4+(7-5)\ 10,\ 4-10\ (5-7),$$
$$4+10\ \text{mod}[7,5],\ 4+10\ (7-5),\ (5+7)\ \text{mod}[10,4],\ \text{mod}[7,5]\ 10+4,\ (7-5)\ 10+4,$$
$$(7+5)\ \text{mod}[10,4],\ \text{mod}[10,4]\ (5+7),\ \text{mod}[10,4]\ (7+5),\ 10\ \text{mod}[7,5]+4,\ 10\ (7-5)+4\}\},$$

$$\Big\{\{4,5,8,8\},\ \Big\{4\left(5+\frac{8}{8}\right),\ 4\ (5+\text{Log}[8,8]),\ \text{mod}[4,5]\ 8-8,\ 4\left(\frac{8}{8}+5\right),\ 4\ (\text{Log}[8,8]+5),$$
$$\left(5-\frac{8}{4}\right)\ 8,\ \left(5+\frac{8}{8}\right)\ 4,\ (5+\text{Log}[8,8])\ 4,\ 8\ \text{mod}[4,5]-8,\ \left(\frac{8}{4}\right)^5-8,\ \text{mod}[\text{mod}[8,5],4]\ 8,$$
$$\text{mod}[8-5,4]\ 8,\ 8\left(5-\frac{8}{4}\right),\ \left(\frac{8}{8}+5\right)\ 4,\ (\text{Log}[8,8]+5)\ 4,\ 8\ \text{mod}[\text{mod}[8,5],4],\ 8\ \text{mod}[8-5,4]\Big\}\Big\},$$

$$\{\{4,5,8,9\},\ \{4\ ((5-8)+9),\ 4\ (5-(8-9)),\ 4\ (5+\text{mod}[9,8]),\ 4\ \text{mod}[5+9,8],$$
$$4\ (5+(9-8)),\ 4\ ((5+9)-8),\ \text{mod}[4+9,5]\ 8,\ 4\ \text{mod}[9,5]+8,\ 4\ (9-5)+8,$$
$$4\ \text{mod}[9+5,8],\ 4\ (9+(5-8)),\ 4\ ((9+5)-8),\ 4\ (\text{mod}[9,8]+5),\ 4\ ((9-8)+5),$$
$$4\ (9-\text{mod}[8,5]),\ 4\ (9-(8-5)),\ ((5-8)+9)\ 4,\ (5-(8-9))\ 4,\ (5+\text{mod}[9,8])\ 4,$$
$$\text{mod}[5+9,8]\ 4,\ (5+(9-8))\ 4,\ ((5+9)-8)\ 4,\ 8-4\ (5-9),\ 8+4\ \text{mod}[9,5],$$
$$8\ \text{mod}[4+9,5],\ 8+4\ (9-5),\ 8-(5-9)\ 4,\ 8\ \text{mod}[9+4,5],\ 8+\text{mod}[9,5]\ 4,\ 8+(9-5)\ 4,$$
$$\text{mod}[9+4,5]\ 8,\ \text{mod}[9,5]\ 4+8,\ (9-5)\ 4+8,\ \text{mod}[9+5,8]\ 4,\ (9+(5-8))\ 4,$$
$$((9+5)-8)\ 4,\ (\text{mod}[9,8]+5)\ 4,\ ((9-8)+5)\ 4,\ (9-\text{mod}[8,5])\ 4,\ (9-(8-5))\ 4\}\},$$

$$\Big\{\{4,5,8,10\},\ \Big\{\text{root}[4,5]^{10}+8,\ \frac{4+8}{5}\ 10,\ \left(4-\frac{8}{5}\right)\ 10,\ \frac{4+8}{\frac{5}{10}},\ \left(4+\frac{8}{10}\right)\ 5,\ (4+8)\ \frac{10}{5},$$
$$\frac{(4+8)\ 10}{5},\ 4\left(8-\frac{10}{5}\right),\ 4^{\frac{10}{5}}+8,\ \text{root}\left[4^{10},5\right]+8,\ 5\left(4+\frac{8}{10}\right),\ 5\left(\frac{8}{10}+4\right),\ \text{mod}[5+10,4]\ 8,$$

$$(5-\text{mod}[10,4])\,8,\ \frac{8+4}{5}\,10,\ \frac{8+4}{\frac{5}{10}},\ 8+\text{root}[4,5]^{10},\ (8+4)\,\frac{10}{5},\ \frac{(8+4)\,10}{5},\ 8+4^{\frac{10}{5}},$$

$$8+\text{root}\left[4^{10},5\right],\ 8\,\text{mod}[5+10,4],\ 8\,(5-\text{mod}[10,4]),\ \left(\frac{8}{10}+4\right)5,\ \left(8-\frac{10}{5}\right)4,$$

$$8\,\text{mod}[10+5,4],\ 8+\left(\frac{10}{5}\right)^4,\ \text{mod}[10,4]^5-8,\ 10\,\frac{4+8}{5},\ \frac{10\,(4+8)}{5},\ 10\left(4-\frac{8}{5}\right),$$

$$\text{mod}[10+5,4]\,8,\ \frac{10}{5}\,(4+8),\ \left(\frac{10}{5}\right)^4+8,\ \frac{10}{\frac{5}{4+8}},\ \frac{10}{5}\,(8+4),\ \frac{10}{\frac{5}{8+4}},\ 10\,\frac{8+4}{5},\ \frac{10\,(8+4)}{5}\Big\}\Big\},$$

$$\Big\{\{4,5,9,9\},\ \Big\{4\left(5+\frac{9}{9}\right),\ 4\,(5+\text{Log}[9,9]),\ 4\left(\frac{9}{9}+5\right),\ 4\,(\text{Log}[9,9]+5),$$

$$\left(5+\frac{9}{9}\right)4,\ (5+\text{Log}[9,9])\,4,\ \left(\frac{9}{9}+5\right)4,\ (\text{Log}[9,9]+5)\,4\Big\}\Big\},$$

$$\{\{4,5,9,10\},\{4\,((5-9)+10),\ 4\,(5-(9-10)),\ 4\,(5+\text{mod}[10,9]),\ 4\,\text{mod}[5+10,9],$$
$$4\,(5+(10-9)),\ 4\,((5+10)-9),\ 4\,\text{mod}[10+5,9],\ (4-10)\,(5-9),\ 4\,(10+(5-9)),$$
$$4\,((10+5)-9),\ 4\,(\text{mod}[10,9]+5),\ 4\,((10-9)+5),\ 4\,(10-\text{mod}[9,5]),$$
$$4\,(10-(9-5)),\ (5-9)\,(4-10),\ ((5-9)+10)\,4,\ (5-(9-10))\,4,\ (5+\text{mod}[10,9])\,4,$$
$$\text{mod}[5+10,9]\,4,\ (5+(10-9))\,4,\ ((5+10)-9)\,4,\ \text{mod}[9,5]\,(10-4),\ (9-5)\,(10-4),$$
$$(10-4)\,\text{mod}[9,5],\ (10-4)\,(9-5),\ \text{mod}[10+5,9]\,4,\ (10+(5-9))\,4,\ ((10+5)-9)\,4,$$
$$(\text{mod}[10,9]+5)\,4,\ ((10-9)+5)\,4,\ (10-\text{mod}[9,5])\,4,\ (10-(9-5))\,4\}\},$$

$$\Big\{\{4,5,10,10\},\ \Big\{(\text{mod}[4,5]+10)+10,\ \text{mod}[4,5]+(10+10),\ 4\left(5+\frac{10}{10}\right),$$

$$4\,(5+\text{Log}[10,10]),\ 4+\frac{10}{5}\,10,\ 4+\frac{10}{\frac{5}{10}},\ 4\left(\frac{10}{10}+5\right),\ 4\,(\text{Log}[10,10]+5),$$

$$4+10\times\frac{10}{5},\ 4+\frac{10\times10}{5},\ \left(5+\frac{10}{10}\right)4,\ (5+\text{Log}[10,10])\,4,\ (10+\text{mod}[4,5])+10,$$

$$10+(\text{mod}[4,5]+10),\ \frac{10}{5}\,10+4,\ \frac{10}{\frac{5}{10}}+4,\ (10+10)+\text{mod}[4,5],$$

$$10+(10+\text{mod}[4,5]),\ \left(\frac{10}{10}+5\right)4,\ (\text{Log}[10,10]+5)\,4,\ 10\times\frac{10}{5}+4,\ \frac{10\times10}{5}+4\Big\}\Big\},$$

$$\Big\{\{4,6,6,6\},\ \Big\{\left(\frac{4}{6}\,6\right)6,\ ((4-6)+6)\,6,\ \frac{4}{\frac{6}{6}}\,6,\ \frac{4}{\text{Log}[6,6]}\,6,\ \left(4\times\frac{6}{6}\right)6,\ \frac{4\times6}{6}\,6,$$

$$(4\,\text{Log}[6,6])\,6,\ \text{mod}[4,6+6]\,6,\ (4+\text{mod}[6,6])\,6,\ \text{mod}[4+6,6]\,6,\ \text{mod}[\text{mod}[4,6],6]\,6,$$

$$\text{mod}\left[4^6,6\right]6,\ 4^{\frac{6}{6}}\,6,\ 4^{\text{Log}[6,6]}\,6,\ \text{root}[4,6]^6\,6,\ \text{root}\left[4,\frac{6}{6}\right]6,\ \text{root}[4,\text{Log}[6,6]]\,6,$$

$$\text{root}\left[4^6,6\right]6,\ (4-\text{mod}[6,6])\,6,\ (4-(6-6))\,6,\ (4+(6-6))\,6,\ ((4+6)-6)\,6,\ \frac{4}{6}\,(6\times6),$$

$$4\left(\frac{6}{6}\,6\right),\ 4\,(\text{Log}[6,6]\,6),\ 4\,(\text{mod}[6,6]+6),\ 4\,((6-6)+6),\ (4\times6-6)+6,\ \frac{4}{\frac{6}{6\times6}},\ \frac{4}{\frac{6}{6}},$$

$$\frac{4}{\frac{\text{Log}[6,6]}{6}},\ \frac{4}{\text{Log}[6,\text{root}[6,6]]},\ \frac{4}{\text{Log}\left[6^6,6\right]},\ (4\times6)\,\frac{6}{6},\ 4\left(6\times\frac{6}{6}\right),\ 4\,\frac{6}{\frac{6}{6}},\ 4\,\frac{6}{\text{Log}[6,6]},$$

$$\frac{4\times6}{\frac{6}{6}},\ \frac{4\times6}{\text{Log}[6,6]},\ 4\,\frac{6\times6}{6},\ \frac{(4\times6)\,6}{6},\ \frac{4\,(6\times6)}{6},\ (4\times6)\,\text{Log}[6,6],\ 4\,(6\,\text{Log}[6,6]),$$

$$4\,\text{Log}\left[6,\,6^6\right],\ 4\,\text{Log}[\text{root}[6,\,6],\,6],\ 4\,(6+\text{mod}[6,\,6]),\ 4\times 6+\text{mod}[6,\,6],\ 4\,\text{mod}[6,\,6+6],$$

$$4\times 6^{\frac{6}{6}},\ 4\times 6^{\text{Log}[6,6]},\ (4\times 6)^{\frac{6}{6}},\ (4\times 6)^{\text{Log}[6,6]},\ 4\,\text{root}[6,\,6]^6,\ \text{root}[4\times 6,\,6]^6,\ 4\,\text{root}\left[6,\,\frac{6}{6}\right],$$

$$4\,\text{root}[6,\,\text{Log}[6,\,6]],\ \text{root}\left[4\times 6,\,\frac{6}{6}\right],\ \text{root}[4\times 6,\,\text{Log}[6,\,6]],\ 4\,\text{root}\left[6^6,\,6\right],$$

$$\text{root}\left[(4\times 6)^6,\,6\right],\ 4\,(6+(6-6)),\ 4\times 6+(6-6),\ 4\,(6-\text{mod}[6,\,6]),\ 4\,(6-(6-6)),$$

$$4\times 6-\text{mod}[6,\,6],\ 4\times 6-(6-6),\ 4\,((6+6)-6),\ (4\times 6+6)-6,\ \left(6\times\frac{4}{6}\right)6,\ \frac{6\times 4}{6}\,6,$$

$$\text{Log}[\text{root}[6,\,4],\,6]\,6,\ \text{mod}[6+4,\,6]\,6,\ (6+(4-6))\,6,\ ((6+4)-6)\,6,\ 6\left(\frac{4}{6}\,6\right),$$

$$\text{mod}[6,\,4]\,(6+6),\ (6-4)\,(6+6),\ 6\,((4-6)+6),\ (6\times 4-6)+6,\ 6\,\frac{4}{\frac{6}{6}},\ 6\,\frac{4}{\text{Log}[6,\,6]},$$

$$(6\times 4)\,\frac{6}{6},\ 6\left(4\times\frac{6}{6}\right),\ \frac{6\times 4}{\frac{6}{6}},\ \frac{6\times 4}{\text{Log}[6,\,6]},\ 6\,\frac{4\times 6}{6},\ \frac{(6\times 4)\,6}{6},\ \frac{6\,(4\times 6)}{6},\ (6\times 4)\,\text{Log}[6,\,6],$$

$$6\,(4\,\text{Log}[6,\,6]),\ 6\,\text{mod}[4,\,6+6],\ 6\,(4+\text{mod}[6,\,6]),\ 6\times 4+\text{mod}[6,\,6],\ 6\,\text{mod}[4+6,\,6],$$

$$6\,\text{mod}[\text{mod}[4,\,6],\,6],\ 6\,\text{mod}\left[4^6,\,6\right],\ 6\times 4^{\frac{6}{6}},\ 6\times 4^{\text{Log}[6,6]},\ (6\times 4)^{\frac{6}{6}},\ (6\times 4)^{\text{Log}[6,6]},$$

$$6\,\text{root}[4,\,6]^6,\ \text{root}[6\times 4,\,6]^6,\ 6\,\text{root}\left[4,\,\frac{6}{6}\right],\ 6\,\text{root}[4,\,\text{Log}[6,\,6]],\ \text{root}\left[6\times 4,\,\frac{6}{6}\right],$$

$$\text{root}[6\times 4,\,\text{Log}[6,\,6]],\ 6\,\text{root}\left[4^6,\,6\right],\ \text{root}\left[(6\times 4)^6,\,6\right],\ 6\,(4-\text{mod}[6,\,6]),$$

$$6\,(4-(6-6)),\ 6\,(4+(6-6)),\ 6\times 4+(6-6),\ 6\times 4-\text{mod}[6,\,6],\ 6\times 4-(6-6),$$

$$6+(4\times 6-6),\ 6\,((4+6)-6),\ (6\times 4+6)-6,\ (6+4\times 6)-6,\ \left(\frac{6}{6}\,4\right)6,\ (\text{Log}[6,\,6]\,4)\,6,$$

$$(\text{mod}[6,\,6]+4)\,6,\ ((6-6)+4)\,6,\ \frac{6}{\frac{6}{4}}\,6,\ \text{Log}\left[6,\,6^4\right]6,\ 6^{\text{Log}[6,4]}\,6,\ (6-\text{mod}[6,\,4])\,6,$$

$$(6-(6-4))\,6,\ \frac{6}{6}\,(4\times 6),\ \text{Log}[6,\,6]\,(4\times 6),\ \text{mod}[6,\,6]+4\times 6,\ (6-6)+4\times 6,\ (6\times 6)\,\frac{4}{6},$$

$$6\left(6\times\frac{4}{6}\right),\ \frac{6}{\frac{6}{4\times 6}},\ \frac{6}{\frac{\frac{6}{4}}{6}},\ \frac{6}{\text{Log}\left[6^4,\,6\right]},\ 6\,\frac{6\times 4}{6},\ \frac{(6\times 6)\,4}{6},\ \frac{6\,(6\times 4)}{6},\ \text{Log}\left[6,\,\left(6^4\right)^6\right],$$

$$6\,\text{Log}[\text{root}[6,\,4],\,6],\ 6\,\text{mod}[6+4,\,6],\ 6^{\text{Log}[6,4\times 6]},\ 6\,(6+(4-6)),\ 6-(6-4\times 6),$$

$$6+(6\times 4-6),\ 6\,((6+4)-6),\ (6+6\times 4)-6,\ \left(\frac{6}{6}\,6\right)4,\ (\text{Log}[6,\,6]\,6)\,4,\ (\text{mod}[6,\,6]+6)\,4,$$

$$((6-6)+6)\,4,\ \left(6\times\frac{6}{6}\right)4,\ \frac{6}{\frac{6}{6}}\,4,\ \frac{6}{\text{Log}[6,\,6]}\,4,\ \frac{6\times 6}{6}\,4,\ (6\,\text{Log}[6,\,6])\,4,\ \text{Log}\left[6,\,6^6\right]4,$$

$$\text{Log}[\text{root}[6,\,6],\,6]\,4,\ (6+\text{mod}[6,\,6])\,4,\ \text{mod}[6,\,6+6]\,4,\ 6^{\frac{6}{6}}\,4,\ 6^{\text{Log}[6,6]}\,4,\ \text{root}[6,\,6]^6\,4,$$

$$\text{root}\left[6,\,\frac{6}{6}\right]4,\ \text{root}[6,\,\text{Log}[6,\,6]]\,4,\ \text{root}\left[6^6,\,6\right]4,\ (6+(6-6))\,4,\ (6-\text{mod}[6,\,6])\,4,$$

$$(6-(6-6))\,4,\ ((6+6)-6)\,4,\ \frac{6}{6}\,(6\times 4),\ \text{Log}[6,\,6]\,(6\times 4),\ 6\left(\frac{6}{6}\,4\right),\ 6\,(\text{Log}[6,\,6]\,4),$$

$$6\,(\text{mod}[6,\,6]+4),\ 6\,((6-6)+4),\ \text{mod}[6,\,6]+6\times 4,\ (6-6)+6\times 4,\ 6\,\frac{6}{\frac{6}{4}},\ \frac{6}{\frac{6}{6\times 4}},\ \frac{6}{\frac{\frac{6}{6}}{4}},$$

$$\frac{6}{\frac{\text{Log}[6,6]}{4}},\ \frac{6}{\text{Log}[6,\ \text{root}[6,\ 4]]},\ \frac{6\times 6}{\frac{6}{4}},\ 6\,\text{Log}\left[6,\ 6^4\right],\ \text{Log}\left[6,\ \left(6^6\right)^4\right],\ (6+6)\ \text{mod}[6,\ 4],$$

$$6\times 6^{\text{Log}[6,4]},\ 6^{\text{Log}[6,6\times 4]},\ (6+6)\ (6-4),\ 6\ (6-\text{mod}[6,\ 4]),\ 6\ (6-(6-4)),\ 6-(6-6\times 4)\Big\}\Big\},$$

$$\Big\{\{4,\ 6,\ 6,\ 7\},\ \Big\{\frac{4}{6^{6-7}},\ \frac{4}{\text{root}[6,\ 6-7]},\ \text{mod}[4,\ 6]\ \text{mod}[6,\ 7],\ 4\ \text{mod}[6,\ 6+7],\ \text{mod}[4,\ 6+7]\ 6,$$

$$\text{mod}[4,\ \text{mod}[6,\ 7]]\ 6,\ \text{mod}[\text{mod}[4,\ 6],\ 7]\ 6,\ 4\ \frac{6}{\text{mod}[7,\ 6]},\ 4\ \frac{6}{7-6},\ \frac{4\times 6}{\text{mod}[7,\ 6]},\ \frac{4\times 6}{7-6},$$

$$4\ \text{mod}[6,\ 7+6],\ (4\times 6)\ \text{mod}[7,\ 6],\ 4\ (6\ \text{mod}[7,\ 6]),\ 4\times 6^{\text{mod}[7,6]},\ 4\times 6^{7-6},\ (4\times 6)^{\text{mod}[7,6]},$$

$$(4\times 6)^{7-6},\ 4\ \text{root}[6,\ \text{mod}[7,\ 6]],\ 4\ \text{root}[6,\ 7-6],\ \text{root}[4\times 6,\ \text{mod}[7,\ 6]],\ \text{root}[4\times 6,\ 7-6],$$

$$(4\times 6)\ (7-6),\ 4\ (6\ (7-6)),\ \frac{4}{\text{mod}[7,\ 6]}\ 6,\ \frac{4}{7-6}\ 6,\ \text{mod}[4,\ 7+6]\ 6,\ (4\ \text{mod}[7,\ 6])\ 6,$$

$$\text{mod}[4\times 7,\ 6]\ 6,\ \text{mod}[\text{mod}[4,\ 7],\ 6]\ 6,\ \text{mod}\left[4^7,\ 6\right]\ 6,\ 4^{\text{mod}[7,6]}\ 6,\ 4^{7-6}\ 6,\ \text{root}[4,\ \text{mod}[7,\ 6]]\ 6,$$

$$\text{root}[4,\ 7-6]\ 6,\ (4\ (7-6))\ 6,\ 4\ (\text{mod}[7,\ 6]\ 6),\ 4\ ((7-6)\ 6),\ \frac{4}{\frac{\text{mod}[7,6]}{6}},\ \frac{4}{\frac{7-6}{6}},\ 4\left(7-\frac{6}{6}\right),$$

$$4\ (7-\text{Log}[6,\ 6]),\ \frac{6}{4^{6-7}},\ \frac{6}{\text{root}[4,\ 6-7]},\ 6\ \text{mod}[4,\ 6+7],\ 6\ \text{mod}[4,\ \text{mod}[6,\ 7]],$$

$$6\ \text{mod}[\text{mod}[4,\ 6],\ 7],\ 6\ \frac{4}{\text{mod}[7,\ 6]},\ 6\ \frac{4}{7-6},\ \frac{6\times 4}{\text{mod}[7,\ 6]},\ \frac{6\times 4}{7-6},\ 6\ \text{mod}[4,\ 7+6],$$

$$(6\times 4)\ \text{mod}[7,\ 6],\ 6\ (4\ \text{mod}[7,\ 6]),\ 6\ \text{mod}[4\times 7,\ 6],\ 6\ \text{mod}[\text{mod}[4,\ 7],\ 6],\ 6\ \text{mod}\left[4^7,\ 6\right],$$

$$6\times 4^{\text{mod}[7,6]},\ 6\times 4^{7-6},\ (6\times 4)^{\text{mod}[7,6]},\ (6\times 4)^{7-6},\ 6\ \text{root}[4,\ \text{mod}[7,\ 6]],\ 6\ \text{root}[4,\ 7-6],$$

$$\text{root}[6\times 4,\ \text{mod}[7,\ 6]],\ \text{root}[6\times 4,\ 7-6],\ 6-(4-7)\ 6,\ (6\times 4)\ (7-6),\ 6\ (4\ (7-6)),$$

$$6-6\ (4-7),\ \text{mod}[6,\ 6+7]\ 4,\ 6+6\ \text{mod}[7,\ 4],\ 6+6\ (7-4),\ 6\ \text{mod}[7,\ 4]+6,\ 6\ (7-4)+6,$$

$$6+\text{mod}[7,\ 4]\ 6,\ 6+(7-4)\ 6,\ \text{mod}[6,\ 7]\ \text{mod}[4,\ 6],\ 6\ \text{mod}[7\times 4,\ 6],\ \frac{6}{\text{mod}[7,\ 6]}\ 4,\ \frac{6}{7-6}\ 4,$$

$$\text{mod}[6,\ 7+6]\ 4,\ (6\ \text{mod}[7,\ 6])\ 4,\ 6^{\text{mod}[7,6]}\ 4,\ 6^{7-6}\ 4,\ \text{root}[6,\ \text{mod}[7,\ 6]]\ 4,\ \text{root}[6,\ 7-6]\ 4,$$

$$(6\ (7-6))\ 4,\ 6\ (\text{mod}[7,\ 6]\ 4),\ 6\ ((7-6)\ 4),\ \frac{6}{\frac{\text{mod}[7,6]}{4}},\ \frac{6}{\frac{7-6}{4}},\ \text{mod}[7\times 4,\ 6]\ 6,\ \text{mod}[7,\ 4]\ 6+6,$$

$$(7-4)\ 6+6,\ (\text{mod}[7,\ 6]\ 4)\ 6,\ ((7-6)\ 4)\ 6,\ \text{mod}[7,\ 6]\ (4\times 6),\ (7-6)\ (4\times 6),\ (\text{mod}[7,\ 6]\ 6)\ 4,$$

$$((7-6)\ 6)\ 4,\ \left(7-\frac{6}{6}\right)\ 4,\ (7-\text{Log}[6,\ 6])\ 4,\ \text{mod}[7,\ 6]\ (6\times 4),\ (7-6)\ (6\times 4)\Big\}\Big\},$$

$$\Big\{\{4,\ 6,\ 6,\ 8\},\ \Big\{\left(4-\frac{6}{6}\right)\ 8,\ (4-\text{Log}[6,\ 6])\ 8,\ ((4+6)+6)+8,\ (4+(6+6))+8,$$

$$(4+6)+(6+8),\ 4+((6+6)+8),\ 4+(6+(6+8)),\ \text{mod}[4,\ 6]\ \text{mod}[6,\ 8],\ 4\ \text{mod}[6,\ 6+8],$$

$$\text{mod}[4,\ 6+8]\ 6,\ \text{mod}[4,\ \text{mod}[6,\ 8]]\ 6,\ \text{mod}[\text{mod}[4,\ 6],\ 8]\ 6,\ ((4+6)+8)+6,\ (4+(6+8))+6,$$

$$(4+6)+(8+6),\ 4+((6+8)+6),\ 4+(6+(8+6)),\ 4\ \text{mod}[6,\ 8+6],\ \text{mod}[4,\ 8+6]\ 6,$$

$$\text{mod}[\text{mod}[4,\ 8],\ 6]\ 6,\ \text{mod}\left[4^8,\ 6\right]\ 6,\ ((4+8)+6)+6,\ (4+(8+6))+6,\ (4+8)+(6+6),$$

$$4+((8+6)+6),\ 4+(8+(6+6)),\ ((6+4)+6)+8,\ (6+(4+6))+8,\ (6+4)+(6+8),$$

$$6+((4+6)+8),\ 6+(4+(6+8)),\ \frac{6}{\text{Log}\left[4^6,\ 8\right]},\ 6\ \text{mod}[4,\ 6+8],\ 6\ \text{mod}[4,\ \text{mod}[6,\ 8]],$$

$$6\ \text{mod}[\text{mod}[4,\ 6],\ 8],\ \frac{6}{\text{Log}[4,\ 8]}\ 6,\ ((6+4)+8)+6,\ (6+(4+8))+6,\ (6+4)+(8+6),$$

$$6+((4+8)+6),\ 6+(4+(8+6)),\ \frac{6}{\frac{\text{Log}[4,8]}{6}},\ 6\ \text{mod}[4,\ 8+6],\ 6\ \text{mod}[\text{mod}[4,\ 8],\ 6],$$

$$6 \bmod\left[4^8, 6\right], \frac{6}{\mathrm{mod}[6, 4]} 8, \frac{6}{6-4} 8, \frac{6+6}{4} 8, ((6+6)+4)+8, (6+(6+4))+8,$$

$$(6+6)+(4+8), 6+((6+4)+8), 6+(6+(4+8)), \frac{6}{\frac{\mathrm{mod}[6,4]}{8}}, \frac{6}{\frac{6-4}{8}}, 6\,\frac{6}{\mathrm{Log}[4, 8]}, \frac{6\times 6}{\mathrm{Log}[4, 8]},$$

$$\frac{6+6}{\frac{4}{8}}, 6\times 6-(4+8), (6\times 6-4)-8, \mathrm{mod}[6, 6+8]\,4, ((6+6)+8)+4, (6+(6+8))+4,$$

$$(6+6)+(8+4), 6+((6+8)+4), 6+(6+(8+4)), (6+6)\,\frac{8}{4}, \frac{(6+6)\,8}{4}, (6\times 6)\,\mathrm{Log}[8, 4],$$

$$6\,(6\,\mathrm{Log}[8, 4]), 6\left(6-\frac{8}{4}\right), 6\times 6-(8+4), (6\times 6-8)-4, (6\,\mathrm{Log}[8, 4])\,6, \left(6-\frac{8}{4}\right)6,$$

$$6\,(\mathrm{Log}[8, 4]\,6), ((6+8)+4)+6, (6+(8+4))+6, (6+8)+(4+6), 6+((8+4)+6),$$

$$6+(8+(4+6)), 6\,\mathrm{Log}\left[8, 4^6\right], \mathrm{mod}[6, 8]\,\mathrm{mod}[4, 6], 6 \bmod\left[8^4, 6\right], 6 \bmod[8-4, 6],$$

$$6\times 8^{\frac{4}{6}}, 6\,\mathrm{root}\left[8^4, 6\right], 6\,(8-\mathrm{mod}[4, 6]), 6\times 8-4\times 6, \mathrm{mod}[6, 8+6]\,4, ((6+8)+6)+4,$$

$$(6+(8+6))+4, (6+8)+(6+4), 6+((8+6)+4), 6+(8+(6+4)), 6\,\frac{8}{\mathrm{mod}[6, 4]}, 6\,\frac{8}{6-4},$$

$$\frac{6\times 8}{\mathrm{mod}[6, 4]}, \frac{6\times 8}{6-4}, 6\,\mathrm{root}[8, 6]^4, 6\times 8-6\times 4, (\mathrm{Log}[8, 4]\,6)\,6, \mathrm{Log}\left[8, 4^6\right]6, \mathrm{mod}\left[8^4, 6\right]6,$$

$$\mathrm{mod}[8-4, 6]\,6, 8^{\frac{4}{6}}\,6, \mathrm{root}\left[8^4, 6\right]6, (8-\mathrm{mod}[4, 6])\,6, \mathrm{Log}[8, 4]\,(6\times 6), \frac{8}{4}(6+6),$$

$$((8+4)+6)+6, (8+(4+6))+6, (8+4)+(6+6), 8+((4+6)+6), 8+(4+(6+6)),$$

$$\frac{8}{\frac{4}{6+6}}, \mathrm{Log}\left[8, \left(4^6\right)^6\right], 8\left(4-\frac{6}{6}\right), 8\,(4-\mathrm{Log}[6, 6]), \frac{8}{\mathrm{mod}[6, 4]}\,6, \frac{8}{6-4}\,6, \mathrm{root}[8, 6]^4\,6,$$

$$((8+6)+4)+6, (8+(6+4))+6, (8+6)+(4+6), 8+((6+4)+6), 8+(6+(4+6)), \frac{8}{\frac{\mathrm{mod}[6,4]}{6}},$$

$$\frac{8}{\frac{6-4}{6}}, 8\times 6-4\times 6, ((8+6)+6)+4, (8+(6+6))+4, (8+6)+(6+4), 8+((6+6)+4),$$

$$8+(6+(6+4)), 8\,\frac{6}{\mathrm{mod}[6, 4]}, 8\,\frac{6}{6-4}, \frac{8\times 6}{\mathrm{mod}[6, 4]}, \frac{8\times 6}{6-4}, 8\,\frac{6+6}{4}, \frac{8\,(6+6)}{4}, 8\times 6-6\times 4\Big\}\Big\},$$

$$\Big\{\{4, 6, 6, 9\}, \Big\{\mathrm{mod}[4, 6]\,\mathrm{mod}[6, 9], 4 \bmod[6, 6+9], \mathrm{mod}[4, 6+9]\,6, \mathrm{mod}[4, \mathrm{mod}[6, 9]]\,6,$$

$$\mathrm{mod}[\mathrm{mod}[4, 6], 9]\,6, 4 \bmod[6, 9+6], \mathrm{mod}[4, 9+6]\,6, \mathrm{mod}[\mathrm{mod}[4, 9], 6]\,6, \mathrm{mod}\left[4^9, 6\right]6,$$

$$4\times 9-(6+6), (4\times 9-6)-6, \frac{6^4}{9}, \frac{6^4}{6\times 9}, 6 \bmod[4, 6+9], 6 \bmod[4, \mathrm{mod}[6, 9]],$$

$$6 \bmod[\mathrm{mod}[4, 6], 9], 6-(4-6)\,9, \mathrm{mod}[6, 4]\,9+6, (6-4)\,9+6, \frac{\frac{6^4}{9}}{6}, \frac{6^4}{9\times 6}, 6 \bmod[4, 9+6],$$

$$6 \bmod[\mathrm{mod}[4, 9], 6], 6 \bmod\left[4^9, 6\right], 6+\mathrm{mod}[6, 4]\,9, 6+(6-4)\,9, \mathrm{mod}[6, 6+9]\,4,$$

$$\mathrm{mod}[6, 9]\,\mathrm{mod}[4, 6], 6-9\,(4-6), 6\,(9-4)-6, \mathrm{mod}[6, 9+6]\,4, 6+9 \bmod[6, 4],$$

$$6+9\,(6-4), 9\times 4-(6+6), (9-4)\,6-6, (9\times 4-6)-6, 9 \bmod[6, 4]+6, 9\,(6-4)+6\Big\}\Big\},$$

$$\Big\{\{4, 6, 6, 10\}, \Big\{\mathrm{mod}[4, 6]\,\mathrm{mod}[6, 10], 4 \bmod[6, 6+10], 4 \bmod[6\times 6, 10], 4 \bmod\left[6^6, 10\right],$$

$$\mathrm{mod}[4, 6+10]\,6, \mathrm{mod}[4, \mathrm{mod}[6, 10]]\,6, \mathrm{mod}[4\times 6, 10]\,6, \mathrm{mod}[\mathrm{mod}[4, 6], 10]\,6,$$

$$4 \bmod[6, 10+6], \mathrm{mod}[4, 10+6]\,6, \mathrm{mod}[4\times 10, 6]\,6, \mathrm{mod}[\mathrm{mod}[4, 10], 6]\,6, \mathrm{mod}\left[4^{10}, 6\right]6,$$

$$\frac{6}{4}\,(6+10),\ \frac{6}{\frac{4}{6+10}},\ 6\bmod[4,\,6+10],\ 6\bmod[4,\,\bmod[6,\,10]],\ 6\bmod[4\times 6,\,10],$$

$$6\bmod[\bmod[4,\,6],\,10],\ \bmod[6\times 4,\,10]\ 6,\ \frac{6}{4}\,(10+6),\ \frac{6}{\frac{4}{10+6}},\ 6\bmod[4,\,10+6],\ 6\bmod[4\times 10,\,6],$$

$$6\bmod[\bmod[4,\,10],\,6],\ 6\bmod\left[4^{10},\,6\right],\ 6\bmod[6\times 4,\,10],\ \bmod[6,\,6+10]\ 4,\ \bmod[6\times 6,\,10]\ 4,$$

$$\bmod\left[6^{6},\,10\right]\ 4,\ 6\,\frac{6+10}{4},\ \frac{6\,(6+10)}{4},\ (6+6)\bmod[10,\,4],\ 6\,(6-\bmod[10,\,4]),\ \frac{6+10}{4}\,6,$$

$$(6-\bmod[10,\,4])\ 6,\ \frac{6+10}{\frac{4}{6}},\ \bmod[6,\,10]\bmod[4,\,6],\ 6\bmod[10\times 4,\,6],\ 6\bmod\left[10^{4},\,6\right],$$

$$\bmod[6,\,10+6]\ 4,\ (6+10)\,\frac{6}{4},\ \frac{(6+10)\ 6}{4},\ 6\,\frac{10+6}{4},\ \frac{6\,(10+6)}{4},\ \bmod[10\times 4,\,6]\ 6,$$

$$\bmod\left[10^{4},\,6\right]\ 6,\ \bmod[10,\,4]\ (6+6),\ \frac{10+6}{4}\,6,\ \frac{10+6}{\frac{4}{6}},\ (10+6)\,\frac{6}{4},\ \frac{(10+6)\ 6}{4}\Big\}\Big\},$$

$$\Big\{\{4,\,6,\,7,\,7\},\ \Big\{\left(4\times\frac{6}{7}\right)\,7,\ \frac{4\times 6}{7}\,7,\ 4\,\left(\frac{6}{7}\,7\right),\ ((4+6)+7)+7,\ (4+(6+7))+7,\ 4\,((6-7)+7),$$

$$(4\times 6-7)+7,\ (4+6)+(7+7),\ 4+((6+7)+7),\ 4+(6+(7+7)),\ 4\,\frac{6}{\frac{7}{7}},\ 4\,\frac{6}{\text{Log}[7,\,7]},$$

$$(4\times 6)\,\frac{7}{7},\ 4\,\left(6\times\frac{7}{7}\right),\ \frac{4\times 6}{\frac{7}{7}},\ \frac{4\times 6}{\text{Log}[7,\,7]},\ 4\,\frac{6\times 7}{7},\ \frac{(4\times 6)\ 7}{7},\ \frac{4\ (6\times 7)}{7},\ (4\times 6)\ \text{Log}[7,\,7],$$

$$4\ (6\,\text{Log}[7,\,7]),\ 4\bmod[6,\,7+7],\ 4\ (6+\bmod[7,\,7]),\ 4\times 6+\bmod[7,\,7],\ 4\bmod[6+7,\,7],$$

$$4\bmod[\bmod[6,\,7],\,7],\ 4\bmod\left[6^{7},\,7\right],\ 4\times 6^{\frac{7}{7}},\ 4\times 6^{\text{Log}[7,7]},\ (4\times 6)^{\frac{7}{7}},\ (4\times 6)^{\text{Log}[7,7]},$$

$$4\ \text{root}[6,\,7]^{7},\ \text{root}[4\times 6,\,7]^{7},\ 4\ \text{root}\left[6,\,\frac{7}{7}\right],\ 4\ \text{root}[6,\,\text{Log}[7,\,7]],\ \text{root}\left[4\times 6,\,\frac{7}{7}\right],$$

$$\text{root}[4\times 6,\,\text{Log}[7,\,7]],\ 4\ \text{root}\left[6^{7},\,7\right],\ \text{root}\left[(4\times 6)^{7},\,7\right],\ 4\ (6-\bmod[7,\,7]),$$

$$4\ (6-(7-7)),\ 4\ (6+(7-7)),\ 4\times 6+(7-7),\ 4\times 6-\bmod[7,\,7],\ 4\times 6-(7-7),$$

$$4\ ((6+7)-7),\ (4\times 6+7)-7,\ \left(\frac{4}{7}\,6\right)\,7,\ \frac{4}{\frac{7}{6}}\,7,\ \frac{4}{7}\,(6\times 7),\ ((4+7)+6)+7,\ (4+(7+6))+7,$$

$$(4+7)+(6+7),\ 4+((7+6)+7),\ 4+(7+(6+7)),\ \frac{4}{\frac{7}{6\times 7}},\ \frac{4}{\frac{7}{\frac{6}{7}}},\ \frac{4}{\text{Log}\left[7^{6},\,7\right]},\ (4\times 7)\,\frac{6}{7},$$

$$4\,\left(7\times\frac{6}{7}\right),\ 4\,\frac{7\times 6}{7},\ \frac{(4\times 7)\ 6}{7},\ \frac{4\ (7\times 6)}{7},\ 4\,\text{Log}[\text{root}[7,\,6],\,7],\ \bmod[4,\,7]\bmod[6,\,7],$$

$$4\bmod[7+6,\,7],\ 4\ (7+(6-7)),\ 4\ ((7+6)-7),\ \left(\frac{4}{7}\,7\right)\,6,\ ((4-7)+7)\,6,\ \frac{4}{\frac{7}{7}}\,6,\ \frac{4}{\text{Log}[7,\,7]}\,6,$$

$$\left(4\times\frac{7}{7}\right)\,6,\ \frac{4\times 7}{7}\,6,\ (4\,\text{Log}[7,\,7])\,6,\ \bmod[4,\,7+7]\,6,\ (4+\bmod[7,\,7])\,6,\ \bmod[4+7,\,7]\,6,$$

$$\bmod[\bmod[4,\,7],\,7]\,6,\ \bmod\left[4^{7},\,7\right]\,6,\ 4^{\frac{7}{7}}\,6,\ 4^{\text{Log}[7,7]}\,6,\ \text{root}[4,\,7]^{7}\,6,\ \text{root}\left[4,\,\frac{7}{7}\right]\,6,$$

$$\text{root}[4,\,\text{Log}[7,\,7]]\,6,\ \text{root}\left[4^{7},\,7\right]\,6,\ (4-\bmod[7,\,7])\,6,\ (4-(7-7))\,6,\ (4+(7-7))\,6,$$

$$((4+7)-7)\,6,\ \frac{4}{7}\,(7\times 6),\ 4\,\left(\frac{7}{7}\,6\right),\ 4\,(\text{Log}[7,\,7]\,6),\ ((4+7)+7)+6,\ (4+(7+7))+6,$$

$$4\,(\bmod[7,\,7]+6),\ 4\ ((7-7)+6),\ (4+7)+(7+6),\ 4+((7+7)+6),\ 4+(7+(7+6)),$$

$$\frac{4}{\frac{7}{7\times 6}},\ \frac{4}{\frac{7}{\frac{7}{6}}},\ \frac{4}{\frac{\text{Log}[7,7]}{6}},\ \frac{4}{\text{Log}[7,\ \text{root}[7,\ 6]]},\ 4\,\frac{7}{\frac{7}{6}},\ \frac{4\times 7}{\frac{7}{6}},\ 4\,\text{Log}\left[7,\ 7^6\right],\ 4\times 7^{\text{Log}[7,6]},$$

$$4\ (7-\text{mod}[7,\ 6]),\ 4\ (7-(7-6)),\ \left(6\times\frac{4}{7}\right)\ 7,\ \frac{6\times 4}{7}\ 7,\ 6\left(\frac{4}{7}\ 7\right),\ ((6+4)+7)+7,\ (6+(4+7))+7,$$

$$6\ ((4-7)+7),\ (6\times 4-7)+7,\ (6+4)+(7+7),\ 6+((4+7)+7),\ 6+(4+(7+7)),\ 6\,\frac{4}{\frac{7}{7}},$$

$$6\,\frac{4}{\text{Log}[7,\ 7]},\ (6\times 4)\ \frac{7}{7},\ 6\left(4\times\frac{7}{7}\right),\ \frac{6\times 4}{\frac{7}{7}},\ \frac{6\times 4}{\text{Log}[7,\ 7]},\ 6\,\frac{4\times 7}{7},\ \frac{(6\times 4)\ 7}{7},\ \frac{6\ (4\times 7)}{7},$$

$$(6\times 4)\ \text{Log}[7,\ 7],\ 6\ (4\,\text{Log}[7,\ 7]),\ 6\,\text{mod}[4,\ 7+7],\ 6\ (4+\text{mod}[7,\ 7]),\ 6\times 4+\text{mod}[7,\ 7],$$

$$6\,\text{mod}[4+7,\ 7],\ 6\,\text{mod}[\text{mod}[4,\ 7],\ 7],\ 6\,\text{mod}\left[4^7,\ 7\right],\ 6\times 4^{\frac{7}{7}},\ 6\times 4^{\text{Log}[7,7]},\ (6\times 4)^{\frac{7}{7}},$$

$$(6\times 4)^{\text{Log}[7,7]},\ 6\,\text{root}[4,\ 7]^7,\ \text{root}[6\times 4,\ 7]^7,\ 6\,\text{root}\left[4,\ \frac{7}{7}\right],\ 6\,\text{root}[4,\ \text{Log}[7,\ 7]],$$

$$\text{root}\left[6\times 4,\ \frac{7}{7}\right],\ \text{root}[6\times 4,\ \text{Log}[7,\ 7]],\ 6\,\text{root}\left[4^7,\ 7\right],\ \text{root}\left[(6\times 4)^7,\ 7\right],\ 6\ (4-\text{mod}[7,\ 7]),$$

$$6\ (4-(7-7)),\ 6\ (4+(7-7)),\ 6\times 4+(7-7),\ 6\times 4-\text{mod}[7,\ 7],\ 6\times 4-(7-7),$$

$$6\ ((4+7)-7),\ (6\times 4+7)-7,\ \left(\frac{6}{7}\ 4\right)\ 7,\ \frac{6}{\frac{7}{4}}\ 7,\ \frac{6}{7}\ (4\times 7),\ ((6+7)+4)+7,\ (6+(7+4))+7,$$

$$(6+7)+(4+7),\ 6+((7+4)+7),\ 6+(7+(4+7)),\ (6\times 7)\ \frac{4}{7},\ 6\left(7\times\frac{4}{7}\right),\ \frac{6}{\frac{7}{4\times 7}},\ \frac{6}{\frac{\frac{7}{4}}{7}},$$

$$\frac{6}{\text{Log}\left[7^4,\ 7\right]},\ 6\,\frac{7\times 4}{7},\ \frac{(6\times 7)\ 4}{7},\ \frac{6\ (7\times 4)}{7},\ 6\,\text{Log}[\text{root}[7,\ 4],\ 7],\ \text{mod}[6,\ 7]\ \text{mod}[4,\ 7],$$

$$6\,\text{mod}[7+4,\ 7],\ 6\ (7+(4-7)),\ 6\ ((7+4)-7),\ \left(\frac{6}{7}\ 7\right)\ 4,\ ((6-7)+7)\ 4,\ \frac{6}{\frac{7}{7}}\ 4,\ \frac{6}{\text{Log}[7,\ 7]}\ 4,$$

$$\left(6\times\frac{7}{7}\right)\ 4,\ \frac{6\times 7}{7}\ 4,\ (6\,\text{Log}[7,\ 7])\ 4,\ \text{mod}[6,\ 7+7]\ 4,\ (6+\text{mod}[7,\ 7])\ 4,\ \text{mod}[6+7,\ 7]\ 4,$$

$$\text{mod}[\text{mod}[6,\ 7],\ 7]\ 4,\ \text{mod}\left[6^7,\ 7\right]\ 4,\ 6^{\frac{7}{7}}\ 4,\ 6^{\text{Log}[7,7]}\ 4,\ \text{root}[6,\ 7]^7\ 4,\ \text{root}\left[6,\ \frac{7}{7}\right]\ 4,$$

$$\text{root}[6,\ \text{Log}[7,\ 7]]\ 4,\ \text{root}\left[6^7,\ 7\right]\ 4,\ (6-\text{mod}[7,\ 7])\ 4,\ (6-(7-7))\ 4,\ (6+(7-7))\ 4,$$

$$((6+7)-7)\ 4,\ \frac{6}{7}\ (7\times 4),\ 6\left(\frac{7}{7}\ 4\right),\ 6\ (\text{Log}[7,\ 7]\ 4),\ ((6+7)+7)+4,\ (6+(7+7))+4,$$

$$6\ (\text{mod}[7,\ 7]+4),\ 6\ ((7-7)+4),\ (6+7)+(7+4),\ 6+((7+7)+4),\ 6+(7+(7+4)),$$

$$\frac{6}{\frac{7}{7\times 4}},\ \frac{6}{\frac{7}{\frac{7}{4}}},\ \frac{6}{\frac{\text{Log}[7,7]}{4}},\ \frac{6}{\text{Log}[7,\ \text{root}[7,\ 4]]},\ 6\,\frac{7}{\frac{7}{4}},\ \frac{6\times 7}{\frac{7}{4}},\ 6\,\text{Log}\left[7,\ 7^4\right],\ 6\times 7^{\text{Log}[7,4]},$$

$$6\ (7-\text{mod}[7,\ 4]),\ 6\ (7-(7-4)),\ ((7+4)+6)+7,\ (7+(4+6))+7,\ (7+4)+(6+7),$$

$$7+((4+6)+7),\ 7+(4+(6+7)),\ (7\times 4)\ \frac{6}{7},\ 7\left(4\times\frac{6}{7}\right),\ 7\,\frac{4\times 6}{7},\ \frac{(7\times 4)\ 6}{7},\ \frac{7\ (4\times 6)}{7},$$

$$7+(4\times 6-7),\ (7+4\times 6)-7,\ \left(7\times\frac{4}{7}\right)\ 6,\ \frac{7\times 4}{7}\ 6,\ \text{Log}[\text{root}[7,\ 4],\ 7]\ 6,\ \text{mod}[7+4,\ 7]\ 6,$$

$$(7+(4-7))\ 6,\ ((7+4)-7)\ 6,\ 7\left(\frac{4}{7}\ 6\right),\ ((7+4)+7)+6,\ (7+(4+7))+6,\ (7+4)+(7+6),$$

$$7+((4+7)+6),\ 7+(4+(7+6)),\ 7\,\frac{4}{\frac{7}{6}},\ \frac{7\times 4}{\frac{7}{6}},\ ((7+6)+4)+7,\ (7+(6+4))+7,\ (7+6)+(4+7),$$

$$7+((6+4)+7),\ 7+(6+(4+7)),\ (7\times 6)\,\frac{4}{7},\ 7\left(6\times\frac{4}{7}\right),\ 7\,\frac{6\times 4}{7},\ \frac{(7\times 6)\,4}{7},\ \frac{7\,(6\times 4)}{7},$$

$$7+(6\times 4-7),\ (7+6\times 4)-7,\ \left(7\times\frac{6}{7}\right)4,\ \frac{7\times 6}{7}\,4,\ \text{Log}[\text{root}[7,6],7]\,4,\ \text{mod}[7+6,7]\,4,$$

$$(7+(6-7))\,4,\ ((7+6)-7)\,4,\ 7\left(\frac{6}{7}\,4\right),\ ((7+6)+7)+4,\ (7+(6+7))+4,\ (7+6)+(7+4),$$

$$7+((6+7)+4),\ 7+(6+(7+4)),\ 7\,\frac{6}{\frac{7}{4}},\ \frac{7\times 6}{\frac{7}{4}},\ \left(\frac{7}{7}\,4\right)6,\ (\text{Log}[7,7]\,4)\,6,\ (\text{mod}[7,7]+4)\,6,$$

$$((7-7)+4)\,6,\ \frac{7}{\frac{7}{4}}\,6,\ \text{Log}\left[7,7^4\right]6,\ 7^{\text{Log}[7,4]}\,6,\ (7-\text{mod}[7,4])\,6,\ (7-(7-4))\,6,\ \frac{7}{7}\,(4\times 6),$$

$$\text{Log}[7,7]\,(4\times 6),\ ((7+7)+4)+6,\ (7+(7+4))+6,\ \text{mod}[7,7]+4\times 6,\ (7-7)+4\times 6,$$

$$(7+7)+(4+6),\ 7+((7+4)+6),\ 7+(7+(4+6)),\ \frac{7}{\frac{7}{4\times 6}},\ \frac{7}{\frac{\frac{7}{4}}{6}},\ \text{Log}\left[7,\left(7^4\right)^6\right],\ 7^{\text{Log}[7,4\times 6]},$$

$$7-(7-4\times 6),\ \left(\frac{7}{7}\,6\right)4,\ (\text{Log}[7,7]\,6)\,4,\ (\text{mod}[7,7]+6)\,4,\ ((7-7)+6)\,4,\ \frac{7}{\frac{7}{6}}\,4,$$

$$\text{Log}\left[7,7^6\right]4,\ 7^{\text{Log}[7,6]}\,4,\ (7-\text{mod}[7,6])\,4,\ (7-(7-6))\,4,\ \frac{7}{7}\,(6\times 4),\ \text{Log}[7,7]\,(6\times 4),$$

$$((7+7)+6)+4,\ (7+(7+6))+4,\ \text{mod}[7,7]+6\times 4,\ (7-7)+6\times 4,\ (7+7)+(6+4),$$

$$7+((7+6)+4),\ 7+(7+(6+4)),\ \frac{7}{\frac{7}{6\times 4}},\ \frac{7}{\frac{\frac{7}{6}}{4}},\ \text{Log}\left[7,\left(7^6\right)^4\right],\ 7^{\text{Log}[7,6\times 4]},\ 7-(7-6\times 4)\Big\}\Big\},$$

$$\Big\{\{4,6,7,8\},\ \Big\{\text{mod}[4\times 6,7]\,8,\ \text{mod}[4+6,7]\,8,\ (4+(6-7))\,8,\ ((4+6)-7)\,8,\ \frac{4}{6^{7-8}},$$

$$\frac{4}{\text{root}[6,7-8]},\ 4\,\text{mod}[6,7+8],\ 4\,\text{mod}[6,\text{mod}[7,8]],\ 4\,\text{mod}[\text{mod}[6,7],8],\ 4\,\frac{6}{\text{mod}[8,7]},$$

$$4\,\frac{6}{8-7},\ \frac{4\times 6}{\text{mod}[8,7]},\ \frac{4\times 6}{8-7},\ 4\,\text{mod}[6,8+7],\ (4\times 6)\,\text{mod}[8,7],\ 4\,(6\,\text{mod}[8,7]),$$

$$4\,\text{mod}[6\times 8,7],\ 4\,\text{mod}[\text{mod}[6,8],7],\ 4\times 6^{\text{mod}[8,7]},\ 4\times 6^{8-7},\ (4\times 6)^{\text{mod}[8,7]},\ (4\times 6)^{8-7},$$

$$4\,\text{root}[6,\text{mod}[8,7]],\ 4\,\text{root}[6,8-7],\ \text{root}[4\times 6,\text{mod}[8,7]],\ \text{root}[4\times 6,8-7],$$

$$(4\times 6)\,(8-7),\ 4\,(6\,(8-7)),\ ((4-7)+6)\,8,\ (4-\text{mod}[7,6])\,8,\ (4-(7-6))\,8,$$

$$\text{mod}[4,7]\,\text{mod}[6,8],\ \text{mod}[4,7+8]\,6,\ \text{mod}[4,\text{mod}[7,8]]\,6,\ \text{mod}[4\times 7,8]\,6,$$

$$\text{mod}[\text{mod}[4,7],8]\,6,\ \text{mod}[4,8]\,\text{mod}[6,7],\ 4\,\text{mod}[8\times 6,7],\ \frac{4}{\text{mod}[8,7]}\,6,\ \frac{4}{8-7}\,6,$$

$$\text{mod}[4,8+7]\,6,\ (4\,\text{mod}[8,7])\,6,\ \text{mod}[4\times 8,7]\,6,\ \text{mod}[\text{mod}[4,8],7]\,6,\ 4^{\text{mod}[8,7]}\,6,\ 4^{8-7}\,6,$$

$$\text{root}[4,\text{mod}[8,7]]\,6,\ \text{root}[4,8-7]\,6,\ (4\,(8-7))\,6,\ 4\,(\text{mod}[8,7]\,6),\ 4\,((8-7)\,6),$$

$$\frac{4}{\frac{\text{mod}[8,7]}{6}},\ \frac{4}{\frac{8-7}{6}},\ \text{mod}[6\times 4,7]\,8,\ \text{mod}[6+4,7]\,8,\ (6+(4-7))\,8,\ ((6+4)-7)\,8,\ \frac{6}{4^{7-8}},$$

$$\frac{6}{\text{root}[4,7-8]},\ 6\,\text{mod}[4,7+8],\ 6\,\text{mod}[4,\text{mod}[7,8]],\ 6\,\text{mod}[4\times 7,8],\ 6\,\text{mod}[\text{mod}[4,7],8],$$

$$6\,\frac{4}{\text{mod}[8,7]},\ 6\,\frac{4}{8-7},\ \frac{6\times 4}{\text{mod}[8,7]},\ \frac{6\times 4}{8-7},\ 6\,\text{mod}[4,8+7],\ (6\times 4)\,\text{mod}[8,7],\ 6\,(4\,\text{mod}[8,7]),$$

$$6\bmod[4\times 8,7],\ 6\bmod[\bmod[4,8],7],\ 6\times 4^{\bmod[8,7]},\ 6\times 4^{8-7},\ (6\times 4)^{\bmod[8,7]},\ (6\times 4)^{8-7},$$
$$6\,\text{root}[4,\bmod[8,7]],\ 6\,\text{root}[4,8-7],\ \text{root}[6\times 4,\bmod[8,7]],\ \text{root}[6\times 4,8-7],$$
$$(6\times 4)\,(8-7),\ 6\,(4\,(8-7)),\ ((6-7)+4)\,8,\ (6-\bmod[7,4])\,8,\ (6-(7-4))\,8,$$
$$\bmod[6,7]\bmod[4,8],\ 6\bmod[7\times 4,8],\ \bmod[6,7+8]\,4,\ \bmod[6,\bmod[7,8]]\,4,$$
$$\bmod[\bmod[6,7],8]\,4,\ \bmod[6,7]\,(8-4),\ \bmod[6,8]\bmod[4,7],\ 6\bmod[8\times 4,7],\ 6\bmod[8-4,7],$$
$$6\,(8-\bmod[4,7]),\ \frac{6}{\bmod[8,7]}\,4,\ \frac{6}{8-7}\,4,\ \bmod[6,8+7]\,4,\ (6\bmod[8,7])\,4,\ \bmod[6\times 8,7]\,4,$$
$$\bmod[\bmod[6,8],7]\,4,\ 6^{\bmod[8,7]}\,4,\ 6^{8-7}\,4,\ \text{root}[6,\bmod[8,7]]\,4,\ \text{root}[6,8-7]\,4,$$
$$(6\,(8-7))\,4,\ 6\,(\bmod[8,7]\,4),\ 6\,((8-7)\,4),\ \frac{6}{\frac{\bmod[8,7]}{4}},\ \frac{6}{\frac{8-7}{4}},\ \bmod[7,\bmod[4,6]]\,8,$$
$$\bmod[\bmod[7,4],6]\,8,\ \bmod[7-4,6]\,8,\ (7-\bmod[4,6])\,8,\ \bmod[7\times 4,8]\,6,\ (8-4)\bmod[6,7],$$
$$8\bmod[4\times 6,7],\ 8\bmod[4+6,7],\ 8\,(4+(6-7)),\ 8\,((4+6)-7),\ \bmod[8\times 4,7]\,6,$$
$$\bmod[8-4,7]\,6,\ (8-\bmod[4,7])\,6,\ 8\,((4-7)+6),\ 8\,(4-\bmod[7,6]),\ 8\,(4-(7-6)),$$
$$8\bmod[6\times 4,7],\ 8\bmod[6+4,7],\ 8\,(6+(4-7)),\ 8\,((6+4)-7),\ \bmod[8\times 6,7]\,4,$$
$$8\,((6-7)+4),\ 8\,(6-\bmod[7,4]),\ 8\,(6-(7-4)),\ (\bmod[8,7]\,4)\,6,\ ((8-7)\,4)\,6,$$
$$\bmod[8,7]\,(4\times 6),\ (8-7)\,(4\times 6),\ 8\bmod[7,\bmod[4,6]],\ 8\bmod[\bmod[7,4],6],\ 8\bmod[7-4,6],$$
$$8\,(7-\bmod[4,6]),\ (\bmod[8,7]\,6)\,4,\ ((8-7)\,6)\,4,\ \bmod[8,7]\,(6\times 4),\ (8-7)\,(6\times 4)\Big\}\Big\},$$

$$\Big\{\{4,6,7,9\},\ \Big\{4\bmod[6,7+9],\ 4\bmod[6,\bmod[7,9]],\ 4\bmod[6\times 7,9],\ 4\bmod[\bmod[6,7],9],$$
$$4\bmod[6,9+7],\ 4\bmod[\bmod[6,9],7],\ 4\bmod\left[6^9,7\right],\ \bmod[4,7]\bmod[6,9],\ 4\bmod[7\times 6,9],$$
$$\bmod[4,7+9]\,6,\ \bmod[4,\bmod[7,9]]\,6,\ \bmod[\bmod[4,7],9]\,6,\ \bmod\left[4^7,9\right]\,6,\ \bmod[4,9]\bmod[6,7],$$
$$\bmod[4,9+7]\,6,\ \bmod[\bmod[4,9],7]\,6,\ \frac{6}{4}\,(7+9),\ \frac{6}{\frac{4}{7+9}},\ 6\bmod[4,7+9],\ 6\bmod[4,\bmod[7,9]],$$
$$6\bmod[\bmod[4,7],9],\ 6\bmod\left[4^7,9\right],\ \frac{6}{4}\,(9+7),\ \frac{6}{\frac{4}{9+7}},\ 6\bmod[4,9+7],\ 6\bmod[\bmod[4,9],7],$$
$$\frac{6^{\bmod[7,4]}}{9},\ \frac{6^{7-4}}{9},\ \bmod[6,7]\bmod[4,9],\ \bmod[6,7+9]\,4,\ \bmod[6,\bmod[7,9]]\,4,$$
$$\bmod[6\times 7,9]\,4,\ \bmod[\bmod[6,7],9]\,4,\ 6\,\frac{7+9}{4},\ \frac{6\,(7+9)}{4},\ \bmod[6,9]\bmod[4,7],$$
$$\bmod[6,9+7]\,4,\ \bmod[\bmod[6,9],7]\,4,\ \bmod\left[6^9,7\right]\,4,\ 6\,\frac{9+7}{4},\ \frac{6\,(9+7)}{4},\ \bmod[7\times 6,9]\,4,$$
$$\frac{7+9}{4}\,6,\ \frac{7+9}{\frac{4}{6}},\ (7+9)\,\frac{6}{4},\ \frac{(7+9)\,6}{4},\ \frac{9+7}{4}\,6,\ \frac{9+7}{\frac{4}{6}},\ (9+7)\,\frac{6}{4},\ \frac{(9+7)\,6}{4}\Big\}\Big\},$$

$$\Big\{\{4,6,7,10\},\ \Big\{4\bmod[6,\bmod[7,10]],\ 4\bmod[\bmod[6,7],10],\ 4\bmod\left[6^7,10\right],$$
$$4\bmod[\bmod[6,10],7],\ \bmod[4,7]\bmod[6,10],\ 4\times 7+(6-10),\ (4\times 7+6)-10,$$
$$\bmod[4,\bmod[7,10]]\,6,\ \bmod[\bmod[4,7],10]\,6,\ \bmod\left[4^7,10\right]\,6,\ (4\times 7-10)+6,$$
$$4\times 7-\bmod[10,6],\ 4\times 7-(10-6),\ \bmod[4,10]\bmod[6,7],\ \bmod[\bmod[4,10],7]\,6,$$
$$\bmod\left[4^{10},7\right]\,6,\ \bmod[6,4]\,7+10,\ (6-4)\,7+10,\ 6\bmod[4,\bmod[7,10]],\ 6\bmod[\bmod[4,7],10],$$
$$6\bmod\left[4^7,10\right],\ 6+(4\times 7-10),\ (6+4\times 7)-10,\ 6\bmod[\bmod[4,10],7],\ 6\bmod\left[4^{10},7\right],$$
$$\bmod[6,7]\bmod[4,10],\ 6+(7\times 4-10),\ (6+7\times 4)-10,\ \bmod[6,\bmod[7,10]]\,4,$$
$$\bmod[\bmod[6,7],10]\,4,\ \bmod\left[6^7,10\right]\,4,\ (6-10)+4\times 7,\ \bmod[6,10]\bmod[4,7],\ 6\bmod\left[10^4,7\right],$$
$$6-(10-4\times 7),\ \bmod[\bmod[6,10],7]\,4,\ (6-10)+7\times 4,\ 6-(10-7\times 4),\ 7\times 4+(6-10),$$
$$(7\times 4+6)-10,\ (7\times 4-10)+6,\ 7\times 4-\bmod[10,6],\ 7\times 4-(10-6),\ \bmod[7,4]\,10-6,$$
$$(7-4)\,10-6,\ 7\bmod[6,4]+10,\ 7\,(6-4)+10,\ 7\bmod[10,6]-4,\ 7\,(10-6)-4,\ 10-(4-6)\,7,$$
$$\bmod\left[10^4,7\right]\,6,\ 10+\bmod[6,4]\,7,\ 10+(6-4)\,7,\ \bmod[10,6]\,7-4,\ (10-6)\,7-4,$$
$$10-7\,(4-6),\ 10\bmod[7,4]-6,\ 10\,(7-4)-6,\ 10+7\bmod[6,4],\ 10+7\,(6-4)\Big\}\Big\},$$

$$\Big\{\{4,6,8,8\},\ \Big\{\left(4\times\frac{6}{8}\right)\,8,\ \frac{4\times 6}{8}\,8,\ 4\left(\frac{6}{8}\,8\right),\ 4\,((6-8)+8),\ (4\times 6-8)+8,\ 4\,\frac{6}{\frac{8}{8}},$$

$$4\,\frac{6}{\text{Log}[8,\,8]},\ (4\times 6)\,\frac{8}{8},\ 4\left(6\times\frac{8}{8}\right),\ \frac{4\times 6}{\frac{8}{8}},\ \frac{4\times 6}{\text{Log}[8,\,8]},\ 4\,\frac{6\times 8}{8},\ \frac{(4\times 6)\,8}{8},\ \frac{4\,(6\times 8)}{8},$$

$$(4\times 6)\,\text{Log}[8,\,8],\ 4\,(6\,\text{Log}[8,\,8]),\ 4\,\text{mod}[6,\,8+8],\ 4\,(6+\text{mod}[8,\,8]),\ 4\times 6+\text{mod}[8,\,8],$$

$$4\,\text{mod}[6+8,\,8],\ 4\,\text{mod}[\text{mod}[6,\,8],\,8],\ 4\times 6^{\frac{8}{8}},\ 4\times 6^{\text{Log}[8,8]},\ (4\times 6)^{\frac{8}{8}},\ (4\times 6)^{\text{Log}[8,8]},$$

$$4\,\text{root}[6,\,8]^8,\ \text{root}[4\times 6,\,8]^8,\ 4\,\text{root}\left[6,\,\frac{8}{8}\right],\ 4\,\text{root}[6,\,\text{Log}[8,\,8]],\ \text{root}\left[4\times 6,\,\frac{8}{8}\right],$$

$$\text{root}[4\times 6,\,\text{Log}[8,\,8]],\ 4\,\text{root}\left[6^8,\,8\right],\ \text{root}\left[(4\times 6)^8,\,8\right],\ 4\,(6-\text{mod}[8,\,8]),\ 4\,(6-(8-8)),$$

$$4\,(6+(8-8)),\ 4\times 6+(8-8),\ 4\times 6-\text{mod}[8,\,8],\ 4\times 6-(8-8),\ \text{mod}[4,\,6]\,8-8,$$

$$4\,((6+8)-8),\ (4\times 6+8)-8,\ \left(\frac{4}{8}\,6\right)8,\ \frac{4}{\frac{8}{6}}\,8,\ \frac{4}{8}\,(6\times 8),\ 4^{\text{mod}[8,6]}+8,\ 4^{8-6}+8,\ \frac{4}{\frac{8}{6\times 8}},\ \frac{4}{\frac{8}{\frac{6}{8}}},$$

$$\frac{4}{\text{Log}\left[8^6,\,8\right]},\ (4\times 8)\,\frac{6}{8},\ 4\left(8\times\frac{6}{8}\right),\ 4\,\frac{8\times 6}{8},\ \frac{(4\times 8)\,6}{8},\ \frac{4\,(8\times 6)}{8},\ \text{mod}[4,\,8]\,\text{mod}[6,\,8],$$

$$4\,\text{mod}[8+6,\,8],\ 4\,(8+(6-8)),\ 4\,((8+6)-8),\ \left(\frac{4}{8}\,8\right)6,\ ((4-8)+8)\,6,\ \frac{4}{\frac{8}{8}}\,6,\ \frac{4}{\text{Log}[8,\,8]}\,6,$$

$$\left(4\times\frac{8}{8}\right)6,\ \frac{4\times 8}{8}\,6,\ (4\,\text{Log}[8,\,8])\,6,\ \text{mod}[4,\,8+8]\,6,\ (4+\text{mod}[8,\,8])\,6,\ \text{mod}[4+8,\,8]\,6,$$

$$\text{mod}[\text{mod}[4,\,8],\,8]\,6,\ 4^{\frac{8}{8}}\,6,\ 4^{\text{Log}[8,8]}\,6,\ \text{root}[4,\,8]^8\,6,\ \text{root}\left[4,\,\frac{8}{8}\right]6,\ \text{root}[4,\,\text{Log}[8,\,8]]\,6,$$

$$\text{root}\left[4^8,\,8\right]6,\ (4-\text{mod}[8,\,8])\,6,\ (4-(8-8))\,6,\ (4+(8-8))\,6,\ ((4+8)-8)\,6,\ \frac{4}{8}\,(8\times 6),$$

$$4\left(\frac{8}{8}\,6\right),\ 4\,(\text{Log}[8,\,8]\,6),\ 4\,(\text{mod}[8,\,8]+6),\ 4\,((8-8)+6),\ \frac{4}{\frac{8}{8\times 6}},\ \frac{4}{\frac{8}{\frac{8}{6}}},\ \frac{4}{\frac{\text{Log}[8,8]}{6}},\ 4\,\frac{8}{\frac{8}{6}},$$

$$\frac{4\times 8}{\frac{8}{6}},\ 4\,\text{Log}\left[8,\,8^6\right],\ (4+8)\,\text{mod}[8,\,6],\ 4\times 8^{\text{Log}[8,6]},\ (4+8)\,(8-6),\ 4\,(8-\text{mod}[8,\,6]),$$

$$4\,(8-(8-6)),\ \left(6\times\frac{4}{8}\right)8,\ \frac{6\times 4}{8}\,8,\ \text{Log}[\text{mod}[6,\,4],\,8]\,8,\ \text{Log}[6-4,\,8]\,8,\ 6\left(\frac{4}{8}\,8\right),\ \frac{6}{4}\,(8+8),$$

$$\text{mod}[6,\,4]\,8+8,\ (6-4)\,8+8,\ 6\,((4-8)+8),\ (6\times 4-8)+8,\ 6\,\frac{4}{\frac{8}{8}},\ 6\,\frac{4}{\text{Log}[8,\,8]},\ \frac{6}{\frac{4}{8+8}},$$

$$(6\times 4)\,\frac{8}{8},\ 6\left(4\times\frac{8}{8}\right),\ \frac{6\times 4}{\frac{8}{8}},\ \frac{6\times 4}{\text{Log}[8,\,8]},\ 6\,\frac{4\times 8}{8},\ \frac{(6\times 4)\,8}{8},\ \frac{6\,(4\times 8)}{8},\ (6\times 4)\,\text{Log}[8,\,8],$$

$$6\,(4\,\text{Log}[8,\,8]),\ \text{Log}\left[\text{mod}[6,\,4],\,8^8\right],\ \text{Log}\left[6-4,\,8^8\right],\ 6\,\text{mod}[4,\,8+8],\ 6\,(4+\text{mod}[8,\,8]),$$

$$6\times 4+\text{mod}[8,\,8],\ 6\,\text{mod}[4+8,\,8],\ 6\,\text{mod}[\text{mod}[4,\,8],\,8],\ 6\times 4^{\frac{8}{8}},\ 6\times 4^{\text{Log}[8,8]},\ (6\times 4)^{\frac{8}{8}},$$

$$(6\times 4)^{\text{Log}[8,8]},\ 6\,\text{root}[4,\,8]^8,\ \text{root}[6\times 4,\,8]^8,\ 6\,\text{root}\left[4,\,\frac{8}{8}\right],\ 6\,\text{root}[4,\,\text{Log}[8,\,8]],$$

$$\text{root}\left[6\times 4,\,\frac{8}{8}\right],\ \text{root}[6\times 4,\,\text{Log}[8,\,8]],\ 6\,\text{root}\left[4^8,\,8\right],\ \text{root}\left[(6\times 4)^8,\,8\right],\ 6\,(4-\text{mod}[8,\,8]),$$

$$6\,(4-(8-8)),\ 6\,(4+(8-8)),\ 6\times 4+(8-8),\ 6\times 4-\text{mod}[8,\,8],\ 6\times 4-(8-8),\ 6\,((4+8)-8),$$

$$(6\times 4+8)-8,\ \left(\frac{6}{8}\,4\right)8,\ \frac{6}{\frac{8}{4}}\,8,\ \frac{6}{8}\,(4\times 8),\ (6\times 8)\,\frac{4}{8},\ 6\left(8\times\frac{4}{8}\right),\ \frac{6}{\frac{8}{4\times 8}},\ \frac{6}{\frac{\frac{8}{4}}{8}},\ \frac{6}{\text{Log}\left[8^4,\,8\right]},$$

$$6\ \frac{8\times 4}{8},\ \frac{(6\times 8)\ 4}{8},\ \frac{6\ (8\times 4)}{8},\ \text{mod}[6,\ 8]\ \text{mod}[4,\ 8],\ 6\ \text{mod}[8+4,\ 8],\ 6\ \text{mod}[8-4,\ 8],$$

$$6\ (8+(4-8)),\ 6\ (8-\text{mod}[4,\ 8]),\ 6\ ((8+4)-8),\ \left(\frac{6}{8}\ 8\right)\ 4,\ ((6-8)+8)\ 4,\ \frac{6}{\frac{8}{8}}\ 4,\ \frac{6}{\text{Log}[8,\ 8]}\ 4,$$

$$\left(6\times\frac{8}{8}\right)\ 4,\ \frac{6\times 8}{8}\ 4,\ (6\ \text{Log}[8,\ 8])\ 4,\ \text{mod}[6,\ 8+8]\ 4,\ (6+\text{mod}[8,\ 8])\ 4,\ \text{mod}[6+8,\ 8]\ 4,$$

$$\text{mod}[\text{mod}[6,\ 8],\ 8]\ 4,\ 6^{\frac{8}{8}}\ 4,\ 6^{\text{Log}[8,8]}\ 4,\ \text{root}[6,\ 8]^8\ 4,\ \text{root}\left[6,\ \frac{8}{8}\right]\ 4,\ \text{root}[6,\ \text{Log}[8,\ 8]]\ 4,$$

$$\text{root}\left[6^8,\ 8\right]\ 4,\ (6-\text{mod}[8,\ 8])\ 4,\ (6-(8-8))\ 4,\ (6+(8-8))\ 4,\ ((6+8)-8)\ 4,\ \frac{6}{8}\ (8\times 4),$$

$$6\left(\frac{8}{8}\ 4\right),\ 6\ (\text{Log}[8,\ 8]\ 4),\ 6\ (\text{mod}[8,\ 8]+4),\ 6\ ((8-8)+4),\ \frac{6}{\frac{8}{8\times 4}},\ \frac{6}{\frac{8}{\frac{8}{4}}},\ \frac{6}{\frac{\text{Log}[8,8]}{4}},\ 6\ \frac{8}{\frac{8}{4}},$$

$$\frac{6\times 8}{\frac{8}{4}},\ 6\ \frac{8+8}{4},\ \frac{6\ (8+8)}{4},\ 6\ \text{Log}\left[8,\ 8^4\right],\ 6\times 8^{\text{Log}[8,4]},\ \text{mod}[6,\ 8]\ (8-4),\ 6\ (8-(8-4)),$$

$$(8\times 4)\ \frac{6}{8},\ 8\left(4\times\frac{6}{8}\right),\ 8\ \frac{4\times 6}{8},\ \frac{(8\times 4)\ 6}{8},\ \frac{8\ (4\times 6)}{8},\ (8-4)\ \text{mod}[6,\ 8],\ 8-(4-6)\ 8,$$

$$8+(4\times 6-8),\ (8+4\times 6)-8,\ 8\ \text{mod}[4,\ 6]-8,\ \left(8\times\frac{4}{8}\right)\ 6,\ \frac{8\times 4}{8}\ 6,\ \text{mod}[8+4,\ 8]\ 6,$$

$$\text{mod}[8-4,\ 8]\ 6,\ (8+(4-8))\ 6,\ (8-\text{mod}[4,\ 8])\ 6,\ ((8+4)-8)\ 6,\ 8\left(\frac{4}{8}\ 6\right),\ 8\ \frac{4}{\frac{8}{6}},\ \frac{8\times 4}{\frac{8}{6}},$$

$$(8+4)\ \text{mod}[8,\ 6],\ 8+4^{\text{mod}[8,6]},\ 8+4^{8-6},\ (8+4)\ (8-6),\ \text{mod}[8,\ 6]\ (4+8),\ (8-6)\ (4+8),$$

$$8\ \text{mod}[6,\ 4]+8,\ \text{mod}[8,\ 6]^4+8,\ (8-6)^4+8,\ 8\ (6-4)+8,\ 8+\text{mod}[6,\ 4]\ 8,\ 8+(6-4)\ 8,$$

$$(8\times 6)\ \frac{4}{8},\ 8\left(6\times\frac{4}{8}\right),\ 8\ \frac{6\times 4}{8},\ \frac{(8\times 6)\ 4}{8},\ \frac{8\ (6\times 4)}{8},\ 8\ \text{Log}[\text{mod}[6,\ 4],\ 8],\ 8\ \text{Log}[6-4,\ 8],$$

$$8+(6\times 4-8),\ (8+6\times 4)-8,\ \left(8\times\frac{6}{8}\right)\ 4,\ \frac{8\times 6}{8}\ 4,\ \text{mod}[8+6,\ 8]\ 4,\ (8+(6-8))\ 4,$$

$$((8+6)-8)\ 4,\ 8\left(\frac{6}{8}\ 4\right),\ \text{mod}[8,\ 6]\ (8+4),\ (8-6)\ (8+4),\ 8\ \frac{6}{\frac{8}{4}},\ \frac{8\times 6}{\frac{8}{4}},\ \left(\frac{8}{8}\ 4\right)\ 6,$$

$$(\text{Log}[8,\ 8]\ 4)\ 6,\ (\text{mod}[8,\ 8]+4)\ 6,\ ((8-8)+4)\ 6,\ \frac{8}{\frac{8}{4}}\ 6,\ \frac{8+8}{4}\ 6,\ \text{Log}\left[8,\ 8^4\right]\ 6,\ 8^{\text{Log}[8,4]}\ 6,$$

$$(8-(8-4))\ 6,\ \frac{8}{8}\ (4\times 6),\ \text{Log}[8,\ 8]\ (4\times 6),\ \text{mod}[8,\ 8]+4\times 6,\ (8-8)+4\times 6,\ \frac{8}{\frac{8}{4\times 6}},\ \frac{8}{\frac{\frac{8}{4}}{6}},$$

$$\frac{8+8}{\frac{4}{6}},\ \text{Log}\left[8,\ \left(8^4\right)^6\right],\ 8^{\text{Log}[8,4\times 6]},\ 8-8\ (4-6),\ 8-(8-4\times 6),\ \left(\frac{8}{8}\ 6\right)\ 4,\ (\text{Log}[8,\ 8]\ 6)\ 4,$$

$$(\text{mod}[8,\ 8]+6)\ 4,\ ((8-8)+6)\ 4,\ \frac{8}{\frac{8}{6}}\ 4,\ \text{Log}\left[8,\ 8^6\right]\ 4,\ 8^{\text{Log}[8,6]}\ 4,\ (8-\text{mod}[8,\ 6])\ 4,$$

$$(8-(8-6))\ 4,\ \frac{8}{8}\ (6\times 4),\ \text{Log}[8,\ 8]\ (6\times 4),\ \text{mod}[8,\ 8]+6\times 4,\ (8-8)+6\times 4,$$

$$(8+8)\,\frac{6}{4},\ \frac{8}{\frac{8}{6\times 4}},\ \frac{8}{\frac{8}{6}{4}},\ \frac{8}{\text{Log}[8,\,\text{mod}[6,\,4]]},\ \frac{8}{\text{Log}[8,\,6-4]},\ \frac{(8+8)\,6}{4},\ \text{Log}\left[8,\ \left(8^6\right)^4\right],$$

$$8+8\,\text{mod}[6,\,4],\ 8^{\text{Log}[8,6\times 4]},\ 8+\text{mod}[8,\,6]^4,\ 8+(8-6)^4,\ 8+8\,(6-4),\ 8-(8-6\times 4)\Big\}\Big\},$$

$$\Big\{\{4,\,6,\,8,\,9\},\ \Big\{\frac{4}{6^{8-9}},\ \frac{4}{\text{root}[6,\,8-9]},\ 4\,\text{mod}[6,\,\text{mod}[8,\,9]],\ 4\,\text{mod}[\text{mod}[6,\,8],\,9],$$

$$4\,\frac{6}{\text{mod}[9,\,8]},\ 4\,\frac{6}{9-8},\ \frac{4\times 6}{\text{mod}[9,\,8]},\ \frac{4\times 6}{9-8},\ (4\times 6)\,\text{mod}[9,\,8],\ 4\,(6\,\text{mod}[9,\,8]),$$

$$4\,\text{mod}[6\times 9,\,8],\ 4\,\text{mod}[\text{mod}[6,\,9],\,8],\ 4\times 6^{\text{mod}[9,8]},\ 4\times 6^{9-8},\ (4\times 6)^{\text{mod}[9,8]},\ (4\times 6)^{9-8},$$

$$4\,\text{root}[6,\,\text{mod}[9,\,8]],\ 4\,\text{root}[6,\,9-8],\ \text{root}[4\times 6,\,\text{mod}[9,\,8]],\ \text{root}[4\times 6,\,9-8],$$

$$(4\times 6)\,(9-8),\ 4\,(6\,(9-8)),\ \left(4-\frac{8}{6}\right)9,\ \text{mod}[4,\,8]\,\text{mod}[6,\,9],\ \text{mod}[4,\,\text{mod}[8,\,9]]\,6,$$

$$\text{mod}[\text{mod}[4,\,8],\,9]\,6,\ \text{mod}[4,\,9]\,\text{mod}[6,\,8],\ 4\,\text{mod}[9\times 6,\,8],\ \frac{4}{\text{mod}[9,\,8]}\,6,\ \frac{4}{9-8}\,6,$$

$$(4\,\text{mod}[9,\,8])\,6,\ \text{mod}[4\times 9,\,8]\,6,\ \text{mod}[\text{mod}[4,\,9],\,8]\,6,\ 4^{\text{mod}[9,8]}\,6,\ 4^{9-8}\,6,\ \text{root}[4,\,\text{mod}[9,\,8]]\,6,$$

$$\text{root}[4,\,9-8]\,6,\ (4\,(9-8))\,6,\ 4\,(\text{mod}[9,\,8]\,6),\ 4\,((9-8)\,6),\ \frac{4}{\frac{\text{mod}[9,8]}{6}},\ \frac{4}{\frac{9-8}{6}},\ \frac{6}{4^{8-9}},$$

$$\frac{6}{\text{root}[4,\,8-9]},\ 6\,\text{mod}[4,\,\text{mod}[8,\,9]],\ 6\,\text{mod}[\text{mod}[4,\,8],\,9],\ 6\,\frac{4}{\text{mod}[9,\,8]},\ 6\,\frac{4}{9-8},$$

$$\frac{6\times 4}{\text{mod}[9,\,8]},\ \frac{6\times 4}{9-8},\ (6\times 4)\,\text{mod}[9,\,8],\ 6\,(4\,\text{mod}[9,\,8]),\ 6\,\text{mod}[4\times 9,\,8],\ 6\,\text{mod}[\text{mod}[4,\,9],\,8],$$

$$6\times 4^{\text{mod}[9,8]},\ 6\times 4^{9-8},\ (6\times 4)^{\text{mod}[9,8]},\ (6\times 4)^{9-8},\ 6\,\text{root}[4,\,\text{mod}[9,\,8]],\ 6\,\text{root}[4,\,9-8],$$

$$\text{root}[6\times 4,\,\text{mod}[9,\,8]],\ \text{root}[6\times 4,\,9-8],\ (6\times 4)\,(9-8),\ 6\,(4\,(9-8)),\ 6+\frac{8}{4}9,$$

$$6+\frac{8}{\frac{4}{9}},\ \text{mod}[6,\,8]\,\text{mod}[4,\,9],\ 6\,\text{mod}[8-4,\,9],\ 6\,(8-\text{mod}[4,\,9]),\ \text{mod}[6,\,\text{mod}[8,\,9]]\,4,$$

$$\text{mod}[\text{mod}[6,\,8],\,9]\,4,\ 6+8\times\frac{9}{4},\ 6+\frac{8\times 9}{4},\ 6\,(\text{mod}[8,\,9]-4),\ \text{mod}[6+9,\,4]\,8,\ 6+\frac{9}{4}8,$$

$$6+\frac{9}{\frac{4}{8}},\ \text{mod}[6,\,9]\,\text{mod}[4,\,8],\ 6\,\text{mod}[9\times 4,\,8],\ \frac{6}{\text{mod}[9,\,8]}\,4,\ \frac{6}{9-8}\,4,\ (6\,\text{mod}[9,\,8])\,4,$$

$$\text{mod}[6\times 9,\,8]\,4,\ \text{mod}[\text{mod}[6,\,9],\,8]\,4,\ 6^{\text{mod}[9,8]}\,4,\ 6^{9-8}\,4,\ \text{root}[6,\,\text{mod}[9,\,8]]\,4,$$

$$\text{root}[6,\,9-8]\,4,\ (6\,(9-8))\,4,\ 6\,(\text{mod}[9,\,8]\,4),\ 6\,((9-8)\,4),\ \frac{6}{\frac{\text{mod}[9,8]}{4}},\ \frac{6}{\frac{9-8}{4}},\ 6+9\times\frac{8}{4},$$

$$6+\frac{9\times 8}{4},\ \text{mod}[6,\,9]\,(8-4),\ (8-4)\,\text{mod}[6,\,9],\ \text{mod}[8-4,\,9]\,6,\ (8-\text{mod}[4,\,9])\,6,$$

$$\frac{8}{4}9+6,\ \frac{8}{\frac{4}{9}}+6,\ 8\,\text{mod}[6+9,\,4],\ (\text{mod}[8,\,9]-4)\,6,\ 8\times\frac{9}{4}+6,\ \frac{8\times 9}{4}+6,\ \frac{8}{\text{root}[9,\,4-6]},$$

$$8\,\text{mod}\left[9^4,\,6\right],\ 8\,\text{mod}[9+6,\,4],\ 8\,\text{mod}[\text{mod}[9,\,6],\,4],\ 8\,\text{mod}[9-6,\,4],\ 8\,\text{root}[9,\,\text{mod}[6,\,4]],$$

$$8\,\text{root}[9,\,6-4],\ \text{mod}\left[9^4,\,6\right]\,8,\ \text{mod}[9\times 4,\,8]\,6,\ \frac{9}{4}8+6,\ \frac{9}{\frac{4}{8}}+6,\ 9\left(4-\frac{8}{6}\right),\ \text{mod}[9+6,\,4]\,8,$$

$$\text{mod}[\text{mod}[9,\,6],\,4]\,8,\ \text{mod}[9-6,\,4]\,8,\ \text{root}[9,\,\text{mod}[6,\,4]]\,8,\ \text{root}[9,\,6-4]\,8,$$

$$\text{mod}[9\times 6,\,8]\,4,\ (\text{mod}[9,\,8]\,4)\,6,\ ((9-8)\,4)\,6,\ \text{mod}[9,\,8]\,(4\times 6),\ (9-8)\,(4\times 6),$$

$$9\times\frac{8}{4}+6,\ \frac{9\times 8}{4}+6,\ (\text{mod}[9,\ 8]\ 6)\ 4,\ ((9-8)\ 6)\ 4,\ \text{mod}[9,\ 8]\ (6\times 4),\ (9-8)\ (6\times 4)\Big\}\Big\},$$

$$\Big\{\{4,\ 6,\ 8,\ 10\},\ \Big\{4\ \text{mod}[6,\ \text{mod}[8,\ 10]],\ 4\ \text{mod}[\text{mod}[6,\ 8],\ 10],\ 4\ \text{mod}\Big[6^8,\ 10\Big],\ 4-(6-8)\ 10,$$

$$4\ \text{mod}[\text{mod}[6,\ 10],\ 8],\ \text{Log}[4,\ 8]\ (6+10),\ 4+\text{mod}[8,\ 6]\ 10,\ 4+(8-6)\ 10,\ \text{Log}\Big[4,\ 8^{6+10}\Big],$$

$$\text{mod}[4,\ 8]\ \text{mod}[6,\ 10],\ \text{mod}[4,\ \text{mod}[8,\ 10]]\ 6,\ \text{mod}[\text{mod}[4,\ 8],\ 10]\ 6,\ \text{Log}[4,\ 8]\ (10+6),$$

$$\text{Log}\Big[4,\ 8^{10+6}\Big],\ 4\ \text{mod}[10,\ 6]+8,\ 4\ (10-6)+8,\ \text{mod}[4,\ 10]\ \text{mod}[6,\ 8],\ 4-10\ (6-8),$$

$$\text{mod}[\text{mod}[4,\ 10],\ 8]\ 6,\ 4+10\ \text{mod}[8,\ 6],\ 4+10\ (8-6),\ 6\ \text{mod}[4,\ \text{mod}[8,\ 10]],$$

$$6\ \text{mod}[\text{mod}[4,\ 8],\ 10],\ 6\ \text{mod}[\text{mod}[4,\ 10],\ 8],\ \text{mod}[6,\ 8]\ \text{mod}[4,\ 10],\ 6\ \text{mod}[8-4,\ 10],$$

$$6\ (8-\text{mod}[4,\ 10]),\ \text{mod}[6,\ \text{mod}[8,\ 10]]\ 4,\ \text{mod}[\text{mod}[6,\ 8],\ 10]\ 4,\ \text{mod}\Big[6^8,\ 10\Big]\ 4,$$

$$6\ \frac{8}{\text{mod}[10,\ 4]},\ \frac{6\times 8}{\text{mod}[10,\ 4]},\ 6\ (\text{mod}[8,\ 10]-4),\ \frac{6}{\text{mod}[10,\ 4]}\ 8,\ \frac{6}{\frac{\text{mod}[10,4]}{8}},\ (6+10)\ \text{Log}[4,\ 8],$$

$$\text{mod}[6,\ 10]\ \text{mod}[4,\ 8],\ \text{mod}[\text{mod}[6,\ 10],\ 8]\ 4,\ \frac{6+10}{\text{Log}[8,\ 4]},\ \text{mod}[6,\ 10]\ (8-4),$$

$$(8-4)\ \text{mod}[6,\ 10],\ 8-4\ (6-10),\ \text{mod}[8-4,\ 10]\ 6,\ (8-\text{mod}[4,\ 10])\ 6,\ 8+4\ \text{mod}[10,\ 6],$$

$$8+4\ (10-6),\ \text{mod}[8,\ 6]\ 10+4,\ (8-6)\ 10+4,\ 8\ \frac{6}{\text{mod}[10,\ 4]},\ \frac{8\times 6}{\text{mod}[10,\ 4]},\ 8-(6-10)\ 4,$$

$$\frac{8}{\text{mod}[10,\ 4]}\ 6,\ (\text{mod}[8,\ 10]-4)\ 6,\ \frac{8}{\frac{\text{mod}[10,4]}{6}},\ 8+\text{mod}[10,\ 6]\ 4,\ 8+(10-6)\ 4,\ \text{mod}[10,\ 6]\ 4+8,$$

$$(10-6)\ 4+8,\ (10+6)\ \text{Log}[4,\ 8],\ \frac{10+6}{\text{Log}[8,\ 4]},\ 10\ \text{mod}[8,\ 6]+4,\ 10\ (8-6)+4\Big\}\Big\},$$

$$\Big\{\{4,\ 6,\ 9,\ 9\},\ \Big\{\Big(4\times\frac{6}{9}\Big)\ 9,\ \frac{4\times 6}{9}\ 9,\ 4\ \Big(\frac{6}{9}\ 9\Big),\ 4\ ((6-9)+9),\ (4\times 6-9)+9,\ 4\ \frac{6}{\frac{9}{9}},\ 4\ \frac{6}{\text{Log}[9,\ 9]},$$

$$(4\times 6)\ \frac{9}{9},\ 4\ \Big(6\times\frac{9}{9}\Big),\ \frac{4\times 6}{\frac{9}{9}},\ \frac{4\times 6}{\text{Log}[9,\ 9]},\ 4\ \frac{6\times 9}{9},\ \frac{(4\times 6)\ 9}{9},\ \frac{4\ (6\times 9)}{9},\ (4\times 6)\ \text{Log}[9,\ 9],$$

$$4\ (6\ \text{Log}[9,\ 9]),\ 4\ (6+\text{mod}[9,\ 9]),\ 4\times 6+\text{mod}[9,\ 9],\ 4\ \text{mod}[6+9,\ 9],\ 4\ \text{mod}[\text{mod}[6,\ 9],\ 9],$$

$$4\times 6^{\frac{9}{9}},\ 4\times 6^{\text{Log}[9,9]},\ (4\times 6)^{\frac{9}{9}},\ (4\times 6)^{\text{Log}[9,9]},\ 4\ \text{root}[6,\ 9]^9,\ \text{root}[4\times 6,\ 9]^9,\ 4\ \text{root}\Big[6,\ \frac{9}{9}\Big],$$

$$4\ \text{root}[6,\ \text{Log}[9,\ 9]],\ \text{root}\Big[4\times 6,\ \frac{9}{9}\Big],\ \text{root}[4\times 6,\ \text{Log}[9,\ 9]],\ 4\ \text{root}\Big[6^9,\ 9\Big],$$

$$\text{root}\Big[(4\times 6)^9,\ 9\Big],\ 4\ (6-\text{mod}[9,\ 9]),\ 4\ (6-(9-9)),\ 4\ (6+(9-9)),\ 4\times 6+(9-9),$$

$$4\times 6-\text{mod}[9,\ 9],\ 4\times 6-(9-9),\ 4\ ((6+9)-9),\ (4\times 6+9)-9,\ \Big(\frac{4}{9}\ 6\Big)\ 9,\ \frac{4}{\frac{9}{6}}\ 9,\ \frac{4}{9}\ (6\times 9),\ \frac{4}{\frac{9}{6\times 9}},$$

$$\frac{4}{\frac{\frac{9}{6}}{9}},\ \frac{4}{\text{Log}\Big[9^6,\ 9\Big]},\ (4\times 9)\ \frac{6}{9},\ 4\ \Big(9\times\frac{6}{9}\Big),\ 4\ \frac{9\times 6}{9},\ \frac{(4\times 9)\ 6}{9},\ \frac{4\ (9\times 6)}{9},\ \text{mod}[4,\ 9]\ \text{mod}[6,\ 9],$$

$$4\ \text{mod}[9+6,\ 9],\ 4\ (9+(6-9)),\ 4\ ((9+6)-9),\ \Big(\frac{4}{9}\ 9\Big)\ 6,\ ((4-9)+9)\ 6,\ \frac{4}{\frac{9}{9}}\ 6,\ \frac{4}{\text{Log}[9,\ 9]}\ 6,$$

$$\Big(4\times\frac{9}{9}\Big)\ 6,\ \frac{4\times 9}{9}\ 6,\ (4\ \text{Log}[9,\ 9])\ 6,\ (4+\text{mod}[9,\ 9])\ 6,\ \text{mod}[4+9,\ 9]\ 6,\ \text{mod}[\text{mod}[4,\ 9],\ 9]\ 6,$$

$$4^{\frac{9}{9}}\ 6,\ 4^{\text{Log}[9,9]}\ 6,\ \text{root}[4,\ 9]^9\ 6,\ \text{root}\Big[4,\ \frac{9}{9}\Big]\ 6,\ \text{root}[4,\ \text{Log}[9,\ 9]]\ 6,\ \text{root}\Big[4^9,\ 9\Big]\ 6,$$

$$(4-\text{mod}[9,\ 9])\ 6,\ (4-(9-9))\ 6,\ (4+(9-9))\ 6,\ ((4+9)-9)\ 6,\ \frac{4}{9}\ (9\times 6),\ 4\ \Big(\frac{9}{9}\ 6\Big),$$

$$4\ (\text{Log}[9,\ 9]\ 6),\ 4\ (\text{mod}[9,\ 9]+6),\ 4\ ((9-9)+6),\ \frac{4}{\frac{9}{9\times 6}},\ \frac{4}{\frac{9}{9}},\ \frac{4}{\frac{\text{Log}[9,9]}{6}},\ 4\ \frac{9}{\frac{9}{6}},\ \frac{4\times 9}{\frac{9}{6}},$$

$$4\ \text{Log}\left[9,\ 9^6\right],\ 4\times 9^{\text{Log}[9,6]},\ 4\ (9-\text{mod}[9,\ 6]),\ 4\ (9-(9-6)),\ \left(6\times\frac{4}{9}\right)\ 9,\ \frac{6\times 4}{9}\ 9,\ 6\ \left(\frac{4}{9}\ 9\right),$$

$$6\ ((4-9)+9),\ (6\times 4-9)+9,\ 6\ \frac{4}{\frac{9}{9}},\ 6\ \frac{4}{\text{Log}[9,\ 9]},\ (6\times 4)\ \frac{9}{9},\ 6\ \left(4\times\frac{9}{9}\right),\ \frac{6\times 4}{\frac{9}{9}},\ \frac{6\times 4}{\text{Log}[9,\ 9]},$$

$$6\ \frac{4\times 9}{9},\ \frac{(6\times 4)\ 9}{9},\ \frac{6\ (4\times 9)}{9},\ (6\times 4)\ \text{Log}[9,\ 9],\ 6\ (4\ \text{Log}[9,\ 9]),\ 6\ (4+\text{mod}[9,\ 9]),$$

$$6\times 4+\text{mod}[9,\ 9],\ 6\ \text{mod}[4+9,\ 9],\ 6\ \text{mod}[\text{mod}[4,\ 9],\ 9],\ 6\times 4^{\frac{9}{9}},\ 6\times 4^{\text{Log}[9,9]},\ (6\times 4)^{\frac{9}{9}},$$

$$(6\times 4)^{\text{Log}[9,9]},\ 6\ \text{root}[4,\ 9]^9,\ \text{root}[6\times 4,\ 9]^9,\ 6\ \text{root}\left[4,\ \frac{9}{9}\right],\ 6\ \text{root}[4,\ \text{Log}[9,\ 9]],$$

$$\text{root}\left[6\times 4,\ \frac{9}{9}\right],\ \text{root}[6\times 4,\ \text{Log}[9,\ 9]],\ 6\ \text{root}\left[4^9,\ 9\right],\ \text{root}\left[(6\times 4)^9,\ 9\right],\ 6\ (4-\text{mod}[9,\ 9]),$$

$$6\ (4-(9-9)),\ 6\ (4+(9-9)),\ 6\times 4+(9-9),\ 6\times 4-\text{mod}[9,\ 9],\ 6\times 4-(9-9),$$

$$6\ ((4+9)-9),\ (6\times 4+9)-9,\ \left(\frac{6}{9}\ 4\right)\ 9,\ \frac{6}{\frac{9}{4}}\ 9,\ \frac{6}{9}\ (4\times 9),\ (6\times 9)\ \frac{4}{9},\ 6\ \left(9\times\frac{4}{9}\right),\ \frac{6}{\frac{9}{4\times 9}},$$

$$\frac{6}{\frac{\frac{9}{4}}{9}},\ \frac{6}{\text{Log}\left[9^4,\ 9\right]},\ 6\ \frac{9\times 4}{9},\ \frac{(6\times 9)\ 4}{9},\ \frac{6\ (9\times 4)}{9},\ \text{mod}[6,\ 9]\ \text{mod}[4,\ 9],\ 6\ \text{mod}[9+4,\ 9],$$

$$6\ (9+(4-9)),\ 6\ ((9+4)-9),\ \left(\frac{6}{9}\ 9\right)\ 4,\ ((6-9)+9)\ 4,\ \frac{6}{\frac{9}{9}}\ 4,\ \frac{6}{\text{Log}[9,\ 9]}\ 4,\ \left(6\times\frac{9}{9}\right)\ 4,$$

$$\frac{6\times 9}{9}\ 4,\ (6\ \text{Log}[9,\ 9])\ 4,\ (6+\text{mod}[9,\ 9])\ 4,\ \text{mod}[6+9,\ 9]\ 4,\ \text{mod}[\text{mod}[6,\ 9],\ 9]\ 4,$$

$$6^{\frac{9}{9}}\ 4,\ 6^{\text{Log}[9,9]}\ 4,\ \text{root}[6,\ 9]^9\ 4,\ \text{root}\left[6,\ \frac{9}{9}\right]\ 4,\ \text{root}[6,\ \text{Log}[9,\ 9]]\ 4,\ \text{root}\left[6^9,\ 9\right]\ 4,$$

$$(6-\text{mod}[9,\ 9])\ 4,\ (6-(9-9))\ 4,\ (6+(9-9))\ 4,\ ((6+9)-9)\ 4,\ \frac{6}{9}\ (9\times 4),\ 6\ \left(\frac{9}{9}\ 4\right),$$

$$6\ (\text{Log}[9,\ 9]\ 4),\ 6\ (\text{mod}[9,\ 9]+4),\ 6\ ((9-9)+4),\ \frac{6}{\frac{9}{9\times 4}},\ \frac{6}{\frac{\frac{9}{9}}{4}},\ \frac{6}{\frac{\text{Log}[9,9]}{4}},\ 6\ \frac{9}{\frac{9}{4}},\ \frac{6\times 9}{\frac{9}{4}},$$

$$6\ \text{Log}\left[9,\ 9^4\right],\ 6\ \text{mod}[9,\ 9-4],\ 6\times 9^{\text{Log}[9,4]},\ 6\ (9-(9-4)),\ (9\times 4)\ \frac{6}{9},\ 9\ \left(4\times\frac{6}{9}\right),\ 9\ \frac{4\times 6}{9},$$

$$\frac{(9\times 4)\ 6}{9},\ \frac{9\ (4\times 6)}{9},\ 9+(4\times 6-9),\ (9+4\times 6)-9,\ \left(9\times\frac{4}{9}\right)\ 6,\ \frac{9\times 4}{9}\ 6,\ \text{mod}[9+4,\ 9]\ 6,$$

$$(9+(4-9))\ 6,\ ((9+4)-9)\ 6,\ 9\ \left(\frac{4}{9}\ 6\right),\ 9\ \frac{4}{\frac{9}{6}},\ \frac{9\times 4}{\frac{9}{6}},\ (9\times 6)\ \frac{4}{9},\ 9\ \left(6\times\frac{4}{9}\right),\ 9\ \frac{6\times 4}{9},\ \frac{(9\times 6)\ 4}{9},$$

$$\frac{9\ (6\times 4)}{9},\ 9+(6\times 4-9),\ (9+6\times 4)-9,\ \left(9\times\frac{6}{9}\right)\ 4,\ \frac{9\times 6}{9}\ 4,\ \text{mod}[9+6,\ 9]\ 4,\ (9+(6-9))\ 4,$$

$$((9+6)-9)\ 4,\ 9\ \left(\frac{6}{9}\ 4\right),\ 9\ \frac{6}{\frac{9}{4}},\ \frac{9\times 6}{\frac{9}{4}},\ \left(\frac{9}{9}\ 4\right)\ 6,\ (\text{Log}[9,\ 9]\ 4)\ 6,\ (\text{mod}[9,\ 9]+4)\ 6,$$

$$((9-9)+4)\,6,\ \frac{9}{\frac{9}{4}}\,6,\ \text{Log}\left[9,\ 9^4\right]\,6,\ \text{mod}[9,\ 9-4]\,6,\ 9^{\text{Log}[9,4]}\,6,\ (9-(9-4))\,6,\ \frac{9}{9}\,(4\times 6),$$

$$\text{Log}[9,\ 9]\,(4\times 6),\ \text{mod}[9,\ 9]+4\times 6,\ (9-9)+4\times 6,\ \frac{9}{\frac{9}{4\times 6}},\ \frac{9}{\frac{\frac{9}{4}}{6}},\ \text{Log}\left[9,\ \left(9^4\right)^6\right],\ 9^{\text{Log}[9,4\times 6]},$$

$$9-(9-4\times 6),\ \left(\frac{9}{9}\,6\right)\,4,\ (\text{Log}[9,\ 9]\,6)\,4,\ (\text{mod}[9,\ 9]+6)\,4,\ ((9-9)+6)\,4,\ \frac{9}{\frac{9}{6}}\,4,$$

$$\text{Log}\left[9,\ 9^6\right]\,4,\ 9^{\text{Log}[9,6]}\,4,\ (9-\text{mod}[9,\ 6])\,4,\ (9-(9-6))\,4,\ \frac{9}{9}\,(6\times 4),\ \text{Log}[9,\ 9]\,(6\times 4),$$

$$\text{mod}[9,\ 9]+6\times 4,\ (9-9)+6\times 4,\ \frac{9}{\frac{9}{6\times 4}},\ \frac{9}{\frac{\frac{9}{6}}{4}},\ \text{Log}\left[9,\ \left(9^6\right)^4\right],\ 9^{\text{Log}[9,6\times 4]},\ 9-(9-6\times 4)\Big\}\Big\},$$

$$\Big\{\{4,\ 6,\ 9,\ 10\},\ \Big\{\frac{4}{6^{9-10}},\ \frac{4}{\text{root}[6,\ 9-10]},\ 4\,\text{mod}[6,\ \text{mod}[9,\ 10]],\ 4\,\text{mod}[\text{mod}[6,\ 9],\ 10],$$

$$4\,\text{mod}\left[6^9,\ 10\right],\ 4\,\frac{6}{\text{mod}[10,\ 9]},\ 4\,\frac{6}{10-9},\ \frac{4\times 6}{\text{mod}[10,\ 9]},\ \frac{4\times 6}{10-9},\ (4\times 6)\,\text{mod}[10,\ 9],$$

$$4\,(6\,\text{mod}[10,\ 9]),\ 4\,\text{mod}[6\times 10,\ 9],\ 4\,\text{mod}[\text{mod}[6,\ 10],\ 9],\ 4\times 6^{\text{mod}[10,9]},\ 4\times 6^{10-9},$$

$$(4\times 6)^{\text{mod}[10,9]},\ (4\times 6)^{10-9},\ 4\,\text{root}[6,\ \text{mod}[10,\ 9]],\ 4\,\text{root}[6,\ 10-9],\ \text{root}[4\times 6,\ \text{mod}[10,\ 9]],$$

$$\text{root}[4\times 6,\ 10-9],\ (4\times 6)\,(10-9),\ 4\,(6\,(10-9)),\ \text{mod}[4,\ 9]\,\text{mod}[6,\ 10],\ \text{mod}[4,\ \text{mod}[9,\ 10]]\,6,$$

$$\text{mod}[\text{mod}[4,\ 9],\ 10]\,6,\ \text{mod}\left[4^9,\ 10\right]\,6,\ \text{mod}[4,\ 10]\,\text{mod}[6,\ 9],\ 4\,\text{mod}[10\times 6,\ 9],$$

$$\frac{4}{\text{mod}[10,\ 9]}\,6,\ \frac{4}{10-9}\,6,\ (4\,\text{mod}[10,\ 9])\,6,\ \text{mod}[4\times 10,\ 9]\,6,\ \text{mod}[\text{mod}[4,\ 10],\ 9]\,6,$$

$$\text{mod}\left[4^{10},\ 9\right]\,6,\ 4^{\text{mod}[10,9]}\,6,\ 4^{10-9}\,6,\ \text{root}[4,\ \text{mod}[10,\ 9]]\,6,\ \text{root}[4,\ 10-9]\,6,$$

$$(4\,(10-9))\,6,\ 4\,(\text{mod}[10,\ 9]\,6),\ 4\,((10-9)\,6),\ \frac{4}{\frac{\text{mod}[10,9]}{6}},\ \frac{4}{\frac{10-9}{6}},\ \frac{6}{4^{9-10}},\ \frac{6}{\text{root}[4,\ 9-10]},$$

$$6\,\text{mod}[4,\ \text{mod}[9,\ 10]],\ 6\,\text{mod}[\text{mod}[4,\ 9],\ 10],\ 6\,\text{mod}\left[4^9,\ 10\right],\ \frac{6}{4}\,10+9,\ \frac{6}{\frac{4}{10}}+9,\ 6\,\frac{4}{\text{mod}[10,\ 9]},$$

$$6\,\frac{4}{10-9},\ \frac{6\times 4}{\text{mod}[10,\ 9]},\ \frac{6\times 4}{10-9},\ (6\times 4)\,\text{mod}[10,\ 9],\ 6\,(4\,\text{mod}[10,\ 9]),\ 6\,\text{mod}[4\times 10,\ 9],$$

$$6\,\text{mod}[\text{mod}[4,\ 10],\ 9],\ 6\,\text{mod}\left[4^{10},\ 9\right],\ 6\times 4^{\text{mod}[10,9]},\ 6\times 4^{10-9},\ (6\times 4)^{\text{mod}[10,9]},\ (6\times 4)^{10-9},$$

$$6\,\text{root}[4,\ \text{mod}[10,\ 9]],\ 6\,\text{root}[4,\ 10-9],\ \text{root}[6\times 4,\ \text{mod}[10,\ 9]],\ \text{root}[6\times 4,\ 10-9],$$

$$(6\times 4)\,(10-9),\ 6\,(4\,(10-9)),\ \text{mod}[6,\ 9]\,\text{mod}[4,\ 10],\ \text{mod}[6,\ \text{mod}[9,\ 10]]\,4,$$

$$\text{mod}[\text{mod}[6,\ 9],\ 10]\,4,\ \text{mod}\left[6^9,\ 10\right]\,4,\ \frac{6+9\times 10}{4},\ 6+9\,\text{mod}[10,\ 4],\ 6\times\frac{10}{4}+9,\ \frac{6\times 10}{4}+9,$$

$$6+\text{mod}[10,\ 4]\,9,\ \text{mod}[6,\ 10]\,\text{mod}[4,\ 9],\ 6\,\text{mod}[10\times 4,\ 9],\ 6\times 10-4\times 9,\ \frac{6}{\text{mod}[10,\ 9]}\,4,$$

$$\frac{6}{10-9}\,4,\ (6\,\text{mod}[10,\ 9])\,4,\ \text{mod}[6\times 10,\ 9]\,4,\ \text{mod}[\text{mod}[6,\ 10],\ 9]\,4,\ 6^{\text{mod}[10,9]}\,4,\ 6^{10-9}\,4,$$

$$\text{root}[6,\ \text{mod}[10,\ 9]]\,4,\ \text{root}[6,\ 10-9]\,4,\ (6\,(10-9))\,4,\ 6\,(\text{mod}[10,\ 9]\,4),\ 6\,((10-9)\,4),$$

$$\frac{6}{\frac{\text{mod}[10,9]}{4}},\ \frac{6}{\frac{10-9}{4}},\ \frac{6+10\times 9}{4},\ 6\times 10-9\times 4,\ 9+\frac{6}{4}\,10,\ 9+\frac{6}{\frac{4}{10}},\ 9+6\times\frac{10}{4},\ 9+\frac{6\times 10}{4},$$

$$9\,\text{mod}[10,\ 4]+6,\ 9+\frac{10}{4}\,6,\ 9+\frac{10}{\frac{4}{6}},\ 9+10\times\frac{6}{4},\ 9+\frac{10\times 6}{4},\ \frac{9\times 10+6}{4},\ \frac{10}{4}\,6+9,\ \frac{10}{\frac{4}{6}}+9,$$

$$\mathrm{mod}[10\times 4,\,9]\,6,\ \mathrm{mod}[10,\,4]\,9+6,\ 10\times\frac{6}{4}+9,\ \frac{10\times 6}{4}+9,\ 10\times 6-4\times 9,\ \mathrm{mod}[10\times 6,\,9]\,4,$$
$$10\times 6-9\times 4,\ (\mathrm{mod}[10,\,9]\,4)\,6,\ ((10-9)\,4)\,6,\ \mathrm{mod}[10,\,9]\,(4\times 6),\ (10-9)\,(4\times 6),$$
$$(\mathrm{mod}[10,\,9]\,6)\,4,\ ((10-9)\,6)\,4,\ \mathrm{mod}[10,\,9]\,(6\times 4),\ (10-9)\,(6\times 4),\ \frac{10\times 9+6}{4}\Big\}\Big\},$$

$$\Big\{\{4,\,6,\,10,\,10\},\ \Big\{\Big(4\times\frac{6}{10}\Big)\,10,\ \frac{4\times 6}{10}\,10,\ 4\,\Big(\frac{6}{10}\,10\Big),\ (\mathrm{mod}[4,\,6]+10)+10,\ 4\,((6-10)+10),$$
$$(4\times 6-10)+10,\ \mathrm{mod}[4,\,6]+(10+10),\ 4\,\frac{6}{\frac{10}{10}},\ 4\,\frac{6}{\mathrm{Log}[10,\,10]},\ (4\times 6)\,\frac{10}{10},\ 4\,\Big(6\times\frac{10}{10}\Big),\ \frac{4\times 6}{\frac{10}{10}},$$
$$\frac{4\times 6}{\mathrm{Log}[10,\,10]},\ 4\,\frac{6\times 10}{10},\ \frac{(4\times 6)\,10}{10},\ \frac{4\,(6\times 10)}{10},\ (4\times 6)\,\mathrm{Log}[10,\,10],\ 4\,(6\,\mathrm{Log}[10,\,10]),$$
$$4\,(6+\mathrm{mod}[10,\,10]),\ 4\times 6+\mathrm{mod}[10,\,10],\ 4\,\mathrm{mod}[6+10,\,10],\ 4\,\mathrm{mod}[\mathrm{mod}[6,\,10],\,10],$$
$$4\,\mathrm{mod}\big[6^{10},\,10\big],\ 4\times 6^{\frac{10}{10}},\ 4\times 6^{\mathrm{Log}[10,10]},\ (4\times 6)^{\frac{10}{10}},\ (4\times 6)^{\mathrm{Log}[10,10]},\ 4\,\mathrm{root}[6,\,10]^{10},$$
$$\mathrm{root}[4\times 6,\,10]^{10},\ 4\,\mathrm{root}\Big[6,\,\frac{10}{10}\Big],\ 4\,\mathrm{root}[6,\,\mathrm{Log}[10,\,10]],\ \mathrm{root}\Big[4\times 6,\,\frac{10}{10}\Big],$$
$$\mathrm{root}[4\times 6,\,\mathrm{Log}[10,\,10]],\ 4\,\mathrm{root}\big[6^{10},\,10\big],\ \mathrm{root}\big[(4\times 6)^{10},\,10\big],\ 4\,(6-\mathrm{mod}[10,\,10]),$$
$$4\,(6-(10-10)),\ 4\,(6+(10-10)),\ 4\times 6+(10-10),\ 4\times 6-\mathrm{mod}[10,\,10],\ 4\times 6-(10-10),$$
$$4\,((6+10)-10),\ (4\times 6+10)-10,\ \Big(\frac{4}{10}\,6\Big)\,10,\ \frac{4}{\frac{10}{6}}\,10,\ \frac{4}{10}\,(6\times 10),\ \frac{4}{\frac{10}{6\times 10}},\ \frac{4}{\frac{\frac{10}{6}}{10}},\ \frac{4}{\mathrm{Log}\big[10^6,\,10\big]},$$
$$(4\times 10)\,\frac{6}{10},\ 4\,\Big(10\times\frac{6}{10}\Big),\ 4\,\frac{10\times 6}{10},\ \frac{(4\times 10)\,6}{10},\ \frac{4\,(10\times 6)}{10},\ 4\,\mathrm{Log}[\mathrm{root}[10,\,6],\,10],$$
$$\mathrm{mod}[4,\,10]\,\mathrm{mod}[6,\,10],\ 4\,\mathrm{mod}[10+6,\,10],\ (4-10)\,(6-10),\ 4\,(10+(6-10)),$$
$$4\times 10-(6+10),\ 4\,((10+6)-10),\ (4\times 10-6)-10,\ \Big(\frac{4}{10}\,10\Big)\,6,\ ((4-10)+10)\,6,$$
$$\frac{4}{\frac{10}{10}}\,6,\ \frac{4}{\mathrm{Log}[10,\,10]}\,6,\ \Big(4\times\frac{10}{10}\Big)\,6,\ \frac{4\times 10}{10}\,6,\ (4\,\mathrm{Log}[10,\,10])\,6,\ (4+\mathrm{mod}[10,\,10])\,6,$$
$$\mathrm{mod}[4+10,\,10]\,6,\ \mathrm{mod}[\mathrm{mod}[4,\,10],\,10]\,6,\ 4^{\frac{10}{10}}\,6,\ 4^{\mathrm{Log}[10,10]}\,6,\ \mathrm{root}[4,\,10]^{10}\,6,$$
$$\mathrm{root}\Big[4,\,\frac{10}{10}\Big]\,6,\ \mathrm{root}[4,\,\mathrm{Log}[10,\,10]]\,6,\ \mathrm{root}\big[4^{10},\,10\big]\,6,\ (4-\mathrm{mod}[10,\,10])\,6,$$
$$(4-(10-10))\,6,\ (4+(10-10))\,6,\ ((4+10)-10)\,6,\ \frac{4}{10}\,(10\times 6),\ 4\,\Big(\frac{10}{10}\,6\Big),$$
$$4\,(\mathrm{Log}[10,\,10]\,6),\ 4\,(\mathrm{mod}[10,\,10]+6),\ 4\,((10-10)+6),\ \frac{4}{\frac{10}{10\times 6}},\ \frac{4}{\frac{\frac{10}{10}}{6}},\ \frac{4}{\frac{\mathrm{Log}[10,10]}{6}},$$
$$\frac{4}{\mathrm{Log}[10,\,\mathrm{root}[10,\,6]]},\ 4\,\frac{10}{\frac{10}{6}},\ \frac{4\times 10}{\frac{10}{6}},\ 4\,\mathrm{Log}\big[10,\,10^6\big],\ 4\times 10^{\mathrm{Log}[10,6]},\ 4\,(10-\mathrm{mod}[10,\,6]),$$
$$4\,(10-(10-6)),\ 4\times 10-(10+6),\ (4\times 10-10)-6,\ \Big(6\times\frac{4}{10}\Big)\,10,\ \frac{6\times 4}{10}\,10,\ 6\,\Big(\frac{4}{10}\,10\Big),$$
$$6\,((4-10)+10),\ (6\times 4-10)+10,\ 6\,\frac{4}{\frac{10}{10}},\ 6\,\frac{4}{\mathrm{Log}[10,\,10]},\ (6\times 4)\,\frac{10}{10},\ 6\,\Big(4\times\frac{10}{10}\Big),\ \frac{6\times 4}{\frac{10}{10}},$$
$$\frac{6\times 4}{\mathrm{Log}[10,\,10]},\ 6\,\frac{4\times 10}{10},\ \frac{(6\times 4)\,10}{10},\ \frac{6\,(4\times 10)}{10},\ (6\times 4)\,\mathrm{Log}[10,\,10],\ 6\,(4\,\mathrm{Log}[10,\,10]),$$
$$6\,(4+\mathrm{mod}[10,\,10]),\ 6\times 4+\mathrm{mod}[10,\,10],\ 6\,\mathrm{mod}[4+10,\,10],\ 6\,\mathrm{mod}[\mathrm{mod}[4,\,10],\,10],$$

$$6\times 4^{\frac{10}{10}},\ 6\times 4^{\text{Log}[10,10]},\ (6\times 4)^{\frac{10}{10}},\ (6\times 4)^{\text{Log}[10,10]},\ 6\,\text{root}[4,\ 10]^{10},\ \text{root}[6\times 4,\ 10]^{10},$$

$$6\,\text{root}\left[4,\ \frac{10}{10}\right],\ 6\,\text{root}[4,\ \text{Log}[10,\ 10]],\ \text{root}\left[6\times 4,\ \frac{10}{10}\right],\ \text{root}[6\times 4,\ \text{Log}[10,\ 10]],$$

$$6\,\text{root}\left[4^{10},\ 10\right],\ \text{root}\left[(6\times 4)^{10},\ 10\right],\ 6\,(4-\text{mod}[10,\ 10]),\ 6\,(4-(10-10)),\ 6\,(4+(10-10)),$$

$$6\times 4+(10-10),\ 6\times 4-\text{mod}[10,\ 10],\ 6\times 4-(10-10),\ 6\,((4+10)-10),\ (6\times 4+10)-10,$$

$$\left(\frac{6}{10}\,4\right)10,\ \frac{6}{\frac{10}{4}}\,10,\ \frac{6}{10}\,(4\times 10),\ (6\times 10)\,\frac{4}{10},\ 6\left(10\times\frac{4}{10}\right),\ \frac{6}{\frac{10}{4\times 10}},\ \frac{6}{\frac{\frac{10}{4}}{10}},\ \frac{6}{\text{Log}\left[10^4,\ 10\right]},$$

$$6\,\frac{10\times 4}{10},\ \frac{(6\times 10)\,4}{10},\ \frac{6\,(10\times 4)}{10},\ 6\,\text{Log}[\text{root}[10,\ 4],\ 10],\ \text{mod}[6,\ 10]\,\text{mod}[4,\ 10],$$

$$6\,\text{mod}[10+4,\ 10],\ (6-10)\,(4-10),\ 6\,(10+(4-10)),\ 6\,((10+4)-10),\ \left(\frac{6}{10}\,10\right)4,$$

$$((6-10)+10)\,4,\ \frac{6}{\frac{10}{10}}\,4,\ \frac{6}{\text{Log}[10,\ 10]}\,4,\ \left(6\times\frac{10}{10}\right)4,\ \frac{6\times 10}{10}\,4,\ (6\,\text{Log}[10,\ 10])\,4,$$

$$(6+\text{mod}[10,\ 10])\,4,\ \text{mod}[6+10,\ 10]\,4,\ \text{mod}[\text{mod}[6,\ 10],\ 10]\,4,\ \text{mod}\left[6^{10},\ 10\right]4,\ 6^{\frac{10}{10}}\,4,$$

$$6^{\text{Log}[10,10]}\,4,\ \text{root}[6,\ 10]^{10}\,4,\ \text{root}\left[6,\ \frac{10}{10}\right]4,\ \text{root}[6,\ \text{Log}[10,\ 10]]\,4,\ \text{root}\left[6^{10},\ 10\right]4,$$

$$(6-\text{mod}[10,\ 10])\,4,\ (6-(10-10))\,4,\ (6+(10-10))\,4,\ ((6+10)-10)\,4,\ \frac{6}{10}\,(10\times 4),$$

$$6\left(\frac{10}{10}\,4\right),\ 6\,(\text{Log}[10,\ 10]\,4),\ 6\,(\text{mod}[10,\ 10]+4),\ 6\,((10-10)+4),\ \frac{6}{\frac{10}{10\times 4}},\ \frac{6}{\frac{\frac{10}{10}}{4}},$$

$$\frac{6}{\frac{\text{Log}[10,10]}{4}},\ \frac{6}{\text{Log}[10,\ \text{root}[10,\ 4]]},\ 6\,\frac{10}{\frac{10}{4}},\ \frac{6\times 10}{\frac{10}{4}},\ 6\,\text{Log}\left[10,\ 10^4\right],\ 6\,\text{mod}[10,\ 10-4],$$

$$6\times 10^{\text{Log}[10,4]},\ 6\,(10-(10-4)),\ (10+\text{mod}[4,\ 6])+10,\ 10+(\text{mod}[4,\ 6]+10),\ (10\times 4)\,\frac{6}{10},$$

$$10\left(4\times\frac{6}{10}\right),\ 10\,\frac{4\times 6}{10},\ \frac{(10\times 4)\,6}{10},\ \frac{10\,(4\times 6)}{10},\ 10\times 4-(6+10),\ 10+(4\times 6-10),$$

$$(10+4\times 6)-10,\ (10\times 4-6)-10,\ \left(10\times\frac{4}{10}\right)6,\ \frac{10\times 4}{10}\,6,\ \text{Log}[\text{root}[10,\ 4],\ 10]\,6,$$

$$\text{mod}[10+4,\ 10]\,6,\ (10+(4-10))\,6,\ ((10+4)-10)\,6,\ 10\left(\frac{4}{10}\,6\right),\ 10\,\frac{4}{\frac{10}{6}},\ \frac{10\times 4}{\frac{10}{6}},$$

$$(10-4)\,\text{mod}[10,\ 6],\ (10-4)\,(10-6),\ 10\times 4-(10+6),\ (10\times 4-10)-6,\ (10\times 6)\,\frac{4}{10},$$

$$10\left(6\times\frac{4}{10}\right),\ 10\,\frac{6\times 4}{10},\ \frac{(10\times 6)\,4}{10},\ \frac{10\,(6\times 4)}{10},\ 10+(6\times 4-10),\ (10+6\times 4)-10,$$

$$\left(10\times\frac{6}{10}\right)4,\ \frac{10\times 6}{10}\,4,\ \text{Log}[\text{root}[10,\ 6],\ 10]\,4,\ \text{mod}[10+6,\ 10]\,4,\ (10+(6-10))\,4,$$

$$((10+6)-10)\,4,\ 10\left(\frac{6}{10}\,4\right),\ 10\,\frac{6}{\frac{10}{4}},\ \frac{10\times 6}{\frac{10}{4}},\ \text{mod}[10,\ 6]\,(10-4),\ (10-6)\,(10-4),$$

$$\left(\frac{10}{10}\,4\right)6,\ (\text{Log}[10,\ 10]\,4)\,6,\ (\text{mod}[10,\ 10]+4)\,6,\ ((10-10)+4)\,6,\ \frac{10}{\frac{10}{4}}\,6,\ \text{Log}\left[10,\ 10^4\right]6,$$

$$\mathrm{mod}[10,\,10-4]\,6,\ 10^{\mathrm{Log}[10,4]}\,6,\ (10-(10-4))\,6,\ \frac{10}{10}\,(4\times 6),\ \mathrm{Log}[10,\,10]\,(4\times 6),$$

$$\mathrm{mod}[10,\,10]+4\times 6,\ (10-10)+4\times 6,\ \frac{10}{\frac{10}{4\times 6}},\ \frac{10}{\frac{\frac{10}{4}}{6}},\ \mathrm{Log}\left[10,\,\left(10^4\right)^6\right],\ (10+10)+\mathrm{mod}[4,\,6],$$

$$10+(10+\mathrm{mod}[4,\,6]),\ 10^{\mathrm{Log}[10,4\times 6]},\ 10-(10-4\times 6),\ \left(\frac{10}{10}\,6\right)\,4,\ (\mathrm{Log}[10,\,10]\,6)\,4,$$

$$(\mathrm{mod}[10,\,10]+6)\,4,\ ((10-10)+6)\,4,\ \frac{10}{\frac{10}{6}}\,4,\ \mathrm{Log}\left[10,\,10^6\right]\,4,\ 10^{\mathrm{Log}[10,6]}\,4,$$

$$(10-\mathrm{mod}[10,\,6])\,4,\ (10-(10-6))\,4,\ \frac{10}{10}\,(6\times 4),\ \mathrm{Log}[10,\,10]\,(6\times 4),\ \mathrm{mod}[10,\,10]+6\times 4,$$

$$(10-10)+6\times 4,\ \frac{10}{\frac{10}{6\times 4}},\ \frac{10}{\frac{\frac{10}{6}}{4}},\ \mathrm{Log}\left[10,\,\left(10^6\right)^4\right],\ 10^{\mathrm{Log}[10,6\times 4]},\ 10-(10-6\times 4)\Big\}\Big\},$$

$$\left\{\{4,\,7,\,7,\,7\},\ \left\{4\left(7-\frac{7}{7}\right),\ 4\,(7-\mathrm{Log}[7,\,7]),\ \left(7-\frac{7}{7}\right)\,4,\ (7-\mathrm{Log}[7,\,7])\,4\right\}\right\},$$

$$\left\{\{4,\,7,\,7,\,8\},\ \left\{\left(4-\frac{7}{7}\right)\,8,\ (4-\mathrm{Log}[7,\,7])\,8,\ 4\,\mathrm{mod}[7+7,\,8],\ 4\,(7+(7-8)),\ 4\,((7+7)-8),\right.\right.$$
$$4\,((7-8)+7),\ 4\,(7-\mathrm{mod}[8,\,7]),\ 4\,(7-(8-7)),\ \mathrm{mod}[7,\,\mathrm{mod}[4,\,7]]\,8,\ \mathrm{mod}[\mathrm{mod}[7,\,4],\,7]\,8,$$
$$\mathrm{mod}[7-4,\,7]\,8,\ (7-\mathrm{mod}[4,\,7])\,8,\ \mathrm{mod}\left[7^7,\,4\right]\,8,\ \mathrm{mod}[7+7,\,8]\,4,\ (7+(7-8))\,4,$$
$$((7+7)-8)\,4,\ ((7-8)+7)\,4,\ (7-\mathrm{mod}[8,\,7])\,4,\ (7-(8-7))\,4,\ 8\left(4-\frac{7}{7}\right),\ 8\,(4-\mathrm{Log}[7,\,7]),$$
$$\left.\left.8\,\mathrm{mod}[7,\,\mathrm{mod}[4,\,7]],\ 8\,\mathrm{mod}[\mathrm{mod}[7,\,4],\,7],\ 8\,\mathrm{mod}[7-4,\,7],\ 8\,(7-\mathrm{mod}[4,\,7]),\ 8\,\mathrm{mod}\left[7^7,\,4\right]\right\}\right\},$$

$$\{\{4,\,7,\,7,\,9\},\ \{\}\},\ \{\{4,\,7,\,7,\,10\},\ \{\}\},\ \Big\{\{4,\,7,\,8,\,8\},$$

$$\Big\{\mathrm{mod}[4+7,\,8]\,8,\ (4+(7-8))\,8,\ ((4+7)-8)\,8,\ 4\left(7-\frac{8}{8}\right),\ 4\,(7-\mathrm{Log}[8,\,8]),$$
$$\mathrm{mod}[4,\,7]\,8-8,\ ((4-8)+7)\,8,\ (4-\mathrm{mod}[8,\,7])\,8,\ (4-(8-7))\,8,\ \mathrm{mod}[7,\,\mathrm{mod}[4,\,8]]\,8,$$
$$\mathrm{mod}[7+4,\,8]\,8,\ \mathrm{mod}[\mathrm{mod}[7,\,4],\,8]\,8,\ \mathrm{mod}[7-4,\,8]\,8,\ (7+(4-8))\,8,\ (7-\mathrm{mod}[4,\,8])\,8,$$
$$((7+4)-8)\,8,\ ((7-8)+4)\,8,\ \mathrm{mod}[7,\,8-4]\,8,\ \mathrm{mod}[7+8,\,4]\,8,\ \mathrm{mod}[\mathrm{mod}[7,\,8],\,4]\,8,$$
$$(7-(8-4))\,8,\ (\mathrm{mod}[7,\,8]-4)\,8,\ 7\times 8-4\times 8,\ \left(7-\frac{8}{8}\right)\,4,\ (7-\mathrm{Log}[8,\,8])\,4,$$
$$7\times 8-8\times 4,\ 8\,\mathrm{mod}[4+7,\,8],\ 8\,(4+(7-8)),\ 8\,((4+7)-8),\ 8\,\mathrm{mod}[4,\,7]-8,$$
$$8\,((4-8)+7),\ 8\,(4-\mathrm{mod}[8,\,7]),\ 8\,(4-(8-7)),\ \mathrm{mod}[8+7,\,4]\,8,\ 8\,\mathrm{mod}[7,\,\mathrm{mod}[4,\,8]],$$
$$8\,\mathrm{mod}[7+4,\,8],\ 8\,\mathrm{mod}[\mathrm{mod}[7,\,4],\,8],\ 8\,\mathrm{mod}[7-4,\,8],\ 8\,(7+(4-8)),\ 8\,(7-\mathrm{mod}[4,\,8]),$$
$$8\times 7-4\times 8,\ 8\,((7+4)-8),\ 8\,((7-8)+4),\ 8\,\mathrm{mod}[7,\,8-4],\ 8\,\mathrm{mod}[7+8,\,4],$$
$$\left.8\,\mathrm{mod}[\mathrm{mod}[7,\,8],\,4],\ 8\,(7-(8-4)),\ 8\times 7-8\times 4,\ 8\,(\mathrm{mod}[7,\,8]-4),\ 8\,\mathrm{mod}[8+7,\,4]\right\}\Big\},$$

$$\Big\{\{4,\,7,\,8,\,9\},\ \Big\{4\,\mathrm{mod}[7+8,\,9],\ 4\,(7+(8-9)),\ 4\,((7+8)-9),\ 4\,((7-9)+8),$$
$$4\,(7-\mathrm{mod}[9,\,8]),\ 4\,(7-(9-8)),\ \mathrm{Log}[4,\,8]\,(7+9),\ \mathrm{Log}\left[4,\,8^{7+9}\right],\ 4\,\mathrm{mod}[8+7,\,9],$$
$$4\,(8+(7-9)),\ 4\,((8+7)-9),\ \mathrm{Log}[4,\,8]\,(9+7),\ 4\,((8-9)+7),\ \mathrm{Log}\left[4,\,8^{9+7}\right],$$
$$(4+8)\,\mathrm{mod}[9,\,7],\ 4\,(8-\mathrm{mod}[9,\,7]),\ 4\,(8-(9-7)),\ (4+8)\,(9-7),\ 4^{\mathrm{mod}[9,7]}+8,\ 4^{9-7}+8,$$
$$\mathrm{mod}[7,\,4]\,\mathrm{mod}[8,\,9],\ (7-4)\,\mathrm{mod}[8,\,9],\ \mathrm{mod}[7,\,\mathrm{mod}[4,\,9]]\,8,\ \mathrm{mod}[\mathrm{mod}[7,\,4],\,9]\,8,$$
$$\mathrm{mod}[7-4,\,9]\,8,\ (7-\mathrm{mod}[4,\,9])\,8,\ \mathrm{mod}[7+8,\,9]\,4,\ (7+(8-9))\,4,\ ((7+8)-9)\,4,$$
$$\mathrm{mod}[7\times 9,\,4]\,8,\ \mathrm{mod}[\mathrm{mod}[7,\,9],\,4]\,8,\ \mathrm{mod}\left[7^9,\,4\right]\,8,\ (\mathrm{mod}[7,\,9]-4)\,8,\ (7+9)\,\mathrm{Log}[4,\,8],$$
$$((7-9)+8)\,4,\ (7-\mathrm{mod}[9,\,8])\,4,\ (7-(9-8))\,4,\ \frac{7+9}{\mathrm{Log}[8,\,4]},\ (8+4)\,\mathrm{mod}[9,\,7],\ 8+4^{\mathrm{mod}[9,7]},$$

$$8+4^{9-7},\ (8+4)\ (9-7),\ \frac{8}{\text{mod}[7,\ 4]}\ 9,\ \frac{8}{7-4}\ 9,\ \frac{8}{\frac{\text{mod}[7,4]}{9}},\ \frac{8}{\frac{7-4}{9}},\ 8\ \text{mod}[7,\ \text{mod}[4,\ 9]],$$

$$8\ \text{mod}[\text{mod}[7,\ 4],\ 9],\ 8\ \text{mod}[7-4,\ 9],\ 8\ (7-\text{mod}[4,\ 9]),\ \text{mod}[8+7,\ 9]\ 4,$$

$$(8+(7-9))\ 4,\ ((8+7)-9)\ 4,\ 8\ \text{mod}[7\times 9,\ 4],\ 8\ \text{mod}[\text{mod}[7,\ 9],\ 4],\ 8\ \text{mod}\left[7^9,\ 4\right],$$

$$8\ (\text{mod}[7,\ 9]-4),\ ((8-9)+7)\ 4,\ (8-\text{mod}[9,\ 7])\ 4,\ (8-(9-7))\ 4,\ 8\ \frac{9}{\text{mod}[7,\ 4]},$$

$$8\ \frac{9}{7-4},\ \frac{8\times 9}{\text{mod}[7,\ 4]},\ \frac{8\times 9}{7-4},\ \text{mod}[8,\ 9]\ \text{mod}[7,\ 4],\ 8\ \text{mod}[9\times 7,\ 4],\ 8+\text{mod}[9,\ 7]^4,$$

$$8+(9-7)^4,\ \text{mod}[8,\ 9]\ (7-4),\ \frac{9}{\text{mod}[7,\ 4]}\ 8,\ \frac{9}{7-4}\ 8,\ \text{mod}[9\times 7,\ 4]\ 8,\ \text{mod}[9,\ 7]\ (4+8),$$

$$(9-7)\ (4+8),\ \text{mod}[9,\ 7]^4+8,\ (9-7)^4+8,\ \frac{9}{\frac{\text{mod}[7,4]}{8}},\ \frac{9}{\frac{7-4}{8}},\ (9+7)\ \text{Log}[4,\ 8],$$

$$\text{mod}[9,\ 7]\ (8+4),\ (9-7)\ (8+4),\ \frac{9+7}{\text{Log}[8,\ 4]},\ 9\ \frac{8}{\text{mod}[7,\ 4]},\ 9\ \frac{8}{7-4},\ \frac{9\times 8}{\text{mod}[7,\ 4]},\ \frac{9\times 8}{7-4}\Big\}\Big\},$$

$$\Big\{\{4,\ 7,\ 8,\ 10\},\ \Big\{4\ \text{mod}[7\times 8,\ 10],\ 4\ \text{mod}[7\times 10,\ 8],\ 4\ \text{mod}[8\times 7,\ 10],\ 4\ \text{mod}[10\times 7,\ 8],$$

$$\frac{7}{4}\ 8+10,\ \frac{7}{\frac{4}{8}}+10,\ \text{mod}[7,\ 4]\ \text{mod}[8,\ 10],\ (7-4)\ \text{mod}[8,\ 10],\ \text{mod}[7,\ \text{mod}[4,\ 10]]\ 8,$$

$$\text{mod}[\text{mod}[7,\ 4],\ 10]\ 8,\ \text{mod}[7-4,\ 10]\ 8,\ (7-\text{mod}[4,\ 10])\ 8,\ 7\times\frac{8}{4}+10,\ \frac{7\times 8}{4}+10,$$

$$\text{mod}[7\times 8,\ 10]\ 4,\ \text{mod}[\text{mod}[7,\ 10],\ 4]\ 8,\ (\text{mod}[7,\ 10]-4)\ 8,\ \text{mod}[7\times 10,\ 8]\ 4,$$

$$\frac{8}{4}\ 7+10,\ \frac{8}{\frac{4}{7}}+10,\ 8\times\frac{7}{4}+10,\ \frac{8\times 7}{4}+10,\ 8\ \text{mod}[7,\ \text{mod}[4,\ 10]],\ 8\ \text{mod}[\text{mod}[7,\ 4],\ 10],$$

$$8\ \text{mod}[7-4,\ 10],\ 8\ (7-\text{mod}[4,\ 10]),\ \text{mod}[8\times 7,\ 10]\ 4,\ 8\ \text{mod}[\text{mod}[7,\ 10],\ 4],$$

$$8\ (\text{mod}[7,\ 10]-4),\ \text{mod}[8,\ 10]\ \text{mod}[7,\ 4],\ 8\ \text{mod}[\text{mod}[10,\ 7],\ 4],\ 8\ \text{mod}[10-7,\ 4],$$

$$\text{mod}[8,\ 10]\ (7-4),\ \text{mod}[\text{mod}[10,\ 7],\ 4]\ 8,\ \text{mod}[10-7,\ 4]\ 8,\ 10+\frac{7}{4}\ 8,\ 10+\frac{7}{\frac{4}{8}},$$

$$\text{mod}[10\times 7,\ 8]\ 4,\ 10+7\times\frac{8}{4},\ 10+\frac{7\times 8}{4},\ 10+\frac{8}{4}\ 7,\ 10+\frac{8}{\frac{4}{7}},\ 10+8\times\frac{7}{4},\ 10+\frac{8\times 7}{4}\Big\}\Big\},$$

$$\Big\{\{4,\ 7,\ 9,\ 9\},\ \Big\{4\left(7-\frac{9}{9}\right),\ 4\ (7-\text{Log}[9,\ 9]),\ \left(7-\frac{9}{9}\right)\ 4,\ (7-\text{Log}[9,\ 9])\ 4\Big\}\Big\},$$

$$\Big\{\{4,\ 7,\ 9,\ 10\},\ \Big\{4\ \text{mod}[7+9,\ 10],\ 4-(7-9)\ 10,\ 4\ (7+(9-10)),\ 4\ ((7+9)-10),$$
$$4\ ((7-10)+9),\ 4\ (7-\text{mod}[10,\ 9]),\ 4\ (7-(10-9)),\ 4+\text{mod}[9,\ 7]\ 10,\ 4+(9-7)\ 10,$$
$$4\ \text{mod}[9+7,\ 10],\ 4\ (9+(7-10)),\ 4\ ((9+7)-10),\ 4\ ((9-10)+7),\ 4\ \text{mod}[9\times 10,\ 7],$$
$$4\ (9-\text{mod}[10,\ 7]),\ 4\ (9-(10-7)),\ 4-10\ (7-9),\ 4\times 10-(7+9),\ (4\times 10-7)-9,$$
$$4+10\ \text{mod}[9,\ 7],\ 4\ \text{mod}[10\times 9,\ 7],\ 4\ \text{mod}\left[10^9,\ 7\right],\ 4+10\ (9-7),\ 4\times 10-(9+7),$$
$$(4\times 10-9)-7,\ \text{mod}[7+9,\ 10]\ 4,\ (7+(9-10))\ 4,\ ((7+9)-10)\ 4,\ ((7-10)+9)\ 4,$$
$$(7-\text{mod}[10,\ 9])\ 4,\ (7-(10-9))\ 4,\ \text{mod}[9+7,\ 10]\ 4,\ (9+(7-10))\ 4,$$
$$((9+7)-10)\ 4,\ \text{mod}[9,\ 7]\ 10+4,\ (9-7)\ 10+4,\ ((9-10)+7)\ 4,\ \text{mod}[9\times 10,\ 7]\ 4,$$
$$(9-\text{mod}[10,\ 7])\ 4,\ (9-(10-7))\ 4,\ 10\times 4-(7+9),\ (10\times 4-7)-9,\ 10\times 4-(9+7),$$
$$(10\times 4-9)-7,\ \text{mod}[10\times 9,\ 7]\ 4,\ \text{mod}\left[10^9,\ 7\right]\ 4,\ 10\ \text{mod}[9,\ 7]+4,\ 10\ (9-7)+4\Big\}\Big\},$$

$$\Big\{\{4,\ 7,\ 10,\ 10\},\ \Big\{(\text{mod}[4,\ 7]+10)+10,\ \text{mod}[4,\ 7]+(10+10),\ 4\left(7-\frac{10}{10}\right),$$

$$4\ (7-\text{Log}[10,\ 10]),\ 4\ \text{mod}[10+10,\ 7],\ 7\ \text{mod}[10,\ 4]+10,\ \left(7-\frac{10}{10}\right)\ 4,\ (7-\text{Log}[10,\ 10])\ 4,$$

$$\text{mod}[10,\ 4]\ 7+10,\ (10+\text{mod}[4,\ 7])+10,\ 10+(\text{mod}[4,\ 7]+10),\ 10+7\ \text{mod}[10,\ 4],$$

$$10 + \text{mod}[10, 4]\ 7,\ (10 + 10) + \text{mod}[4, 7],\ 10 + (10 + \text{mod}[4, 7]),\ \text{mod}[10 + 10, 7]\ 4\Big\}\Big\},$$

$$\Big\{\{4, 8, 8, 8\},\ \Big\{\text{Log}[4, 8 \times 8]\ 8,\ \left(4 - \frac{8}{8}\right) 8,\ (4 - \text{Log}[8, 8])\ 8,\ \text{Log}[4, 8]\ (8 + 8),$$

$$\text{Log}\left[4, 8^{8+8}\right],\ \text{Log}\left[4, (8 \times 8)^8\right],\ \text{mod}[4, 8]\ 8 - 8,\ \text{Log}\left[\frac{8}{4}, 8\right] 8,\ \frac{8}{4}\ 8 + 8,\ \frac{8}{\frac{4}{8}} + 8,$$

$$8\ \text{Log}[4, 8 \times 8],\ \text{Log}\left[\frac{8}{4}, 8^8\right],\ 8\left(4 - \frac{8}{8}\right),\ 8\ (4 - \text{Log}[8, 8]),\ (8 - 4)\ 8 - 8,$$

$$8\ \text{mod}[4, 8] - 8,\ 8 \times \frac{8}{4} + 8,\ \frac{8 \times 8}{4} + 8,\ 8 + \frac{8}{4}\ 8,\ 8 + \frac{8}{\frac{4}{8}},\ (8 + 8)\ \text{Log}[4, 8],\ 8\ \text{Log}\left[\frac{8}{4}, 8\right],$$

$$8\ (8 - 4) - 8,\ 8 + 8 \times \frac{8}{4},\ \frac{8}{\text{Log}\left[8, \frac{8}{4}\right]},\ \frac{8}{\text{Log}[8 \times 8, 4]},\ 8 + \frac{8 \times 8}{4},\ \frac{8 + 8}{\text{Log}[8, 4]}\Big\}\Big\},$$

$$\Big\{\{4, 8, 8, 9\},\ \Big\{4 \times 8 - \text{mod}[8, 9],\ \text{mod}[4 + 8, 9]\ 8,\ (4 + (8 - 9))\ 8,\ ((4 + 8) - 9)\ 8,$$
$$4\ \text{mod}[8, 9] - 8,\ ((4 - 9) + 8)\ 8,\ (4 - \text{mod}[9, 8])\ 8,\ (4 - (9 - 8))\ 8,\ \text{mod}[4, 9]\ 8 - 8,$$
$$8\ \text{mod}[4 + 8, 9],\ 8\ (4 + (8 - 9)),\ 8 \times 4 - \text{mod}[8, 9],\ 8\ ((4 + 8) - 9),\ \text{mod}[8 + 4, 9]\ 8,$$
$$(8 + (4 - 9))\ 8,\ ((8 + 4) - 9)\ 8,\ 8\ ((4 - 9) + 8),\ 8\ (4 - \text{mod}[9, 8]),\ 8\ (4 - (9 - 8)),\ 8\ \text{mod}[4, 9] - 8,$$
$$8\ \text{mod}[8 + 4, 9],\ 8\ (8 + (4 - 9)),\ 8\ ((8 + 4) - 9),\ 8\ ((8 - 9) + 4),\ 8\ \text{mod}[8, 9 - 4],\ 8\ (8 - (9 - 4)),$$
$$((8 - 9) + 4)\ 8,\ \text{mod}[8, 9 - 4]\ 8,\ (8 - (9 - 4))\ 8,\ 8 \times 9^{\frac{4}{8}},\ 8\ \text{root}\left[9^4, 8\right],\ \text{mod}[8, 9]\ 4 - 8,$$
$$8\ \text{root}[9, 8]^4,\ 8\ \text{root}\left[9, \frac{8}{4}\right],\ 9^{\frac{4}{8}}\ 8,\ \text{root}\left[9^4, 8\right]\ 8,\ \text{root}[9, 8]^4\ 8,\ \text{root}\left[9, \frac{8}{4}\right]\ 8\Big\}\Big\},$$

$$\Big\{\{4, 8, 8, 10\},\ \Big\{4\ \text{mod}[8 + 8, 10],\ 4\ \text{mod}\left[8^8, 10\right],\ 4\ (8 + (8 - 10)),\ 4 \times 8 - \text{mod}[8, 10],$$
$$4\ ((8 + 8) - 10),\ 4\ ((8 - 10) + 8),\ (4 + 8)\ \text{mod}[10, 8],\ 4\ (8 - \text{mod}[10, 8]),\ 4\ (8 - (10 - 8)),$$
$$(4 + 8)\ (10 - 8),\ 4\ \text{mod}[8, 10] - 8,\ 4^{\text{mod}[10,8]} + 8,\ 4^{10-8} + 8,\ \text{mod}[4, 10]\ 8 - 8,\ 4 \times 10 - (8 + 8),$$
$$(4 \times 10 - 8) - 8,\ 8 \times 4 - \text{mod}[8, 10],\ (8 + 4)\ \text{mod}[10, 8],\ 8 + 4^{\text{mod}[10,8]},\ 8 + 4^{10-8},$$
$$(8 + 4)\ (10 - 8),\ 8\ \text{mod}[4, 10] - 8,\ 8 \times 8 - 4 \times 10,\ \text{mod}[8 + 8, 10]\ 4,\ \text{mod}\left[8^8, 10\right]\ 4,$$
$$(8 + (8 - 10))\ 4,\ ((8 + 8) - 10)\ 4,\ \frac{8}{\text{Log}[8, \text{mod}[10, 4]]},\ 8 + 8\ \text{mod}[10, 4],\ 8 \times 8 - 10 \times 4,$$
$$8\ \text{mod}[10, 4] + 8,\ 8 + \text{mod}[10, 4]\ 8,\ 8\ \text{Log}[\text{mod}[10, 4], 8],\ \text{mod}[8, 10]\ 4 - 8,\ ((8 - 10) + 8)\ 4,$$
$$(8 - \text{mod}[10, 8])\ 4,\ (8 - (10 - 8))\ 4,\ 8 + \text{mod}[10, 8]^4,\ 8 + (10 - 8)^4,\ \text{Log}[\text{mod}[10, 4], 8]\ 8,$$
$$\text{mod}[10, 4]\ 8 + 8,\ \text{Log}\left[\text{mod}[10, 4], 8^8\right],\ 10 \times 4 - (8 + 8),\ (10 \times 4 - 8) - 8,\ \text{mod}[10, 8]\ (4 + 8),$$
$$(10 - 8)\ (4 + 8),\ \text{mod}[10, 8]^4 + 8,\ (10 - 8)^4 + 8,\ \text{mod}[10, 8]\ (8 + 4),\ (10 - 8)\ (8 + 4)\Big\}\Big\},$$

$$\Big\{\{4, 8, 9, 9\},\ \Big\{\left(4 - \frac{9}{9}\right) 8,\ (4 - \text{Log}[9, 9])\ 8,\ 8\left(4 - \frac{9}{9}\right),\ 8\ (4 - \text{Log}[9, 9]),$$
$$8\ \text{root}[9 \times 9, 4],\ \text{root}[9 \times 9, 4]\ 8\Big\}\Big\},$$

$$\Big\{\{4, 8, 9, 10\},\ \Big\{\text{Log}[4, 8]\ 10 + 9,\ \text{Log}\left[4, 8^{10}\right] + 9,\ \text{mod}[4 + 9, 10]\ 8,\ (4 + (9 - 10))\ 8,$$
$$((4 + 9) - 10)\ 8,\ ((4 - 10) + 9)\ 8,\ (4 - \text{mod}[10, 9])\ 8,\ (4 - (10 - 9))\ 8,\ 8\ \text{mod}[4 + 9, 10],$$
$$8\ (4 + (9 - 10)),\ 8\ ((4 + 9) - 10),\ 8\ ((4 - 10) + 9),\ 8\ (4 - \text{mod}[10, 9]),\ 8\ (4 - (10 - 9)),$$
$$8\ \text{mod}[9 + 4, 10],\ 8\ (9 + (4 - 10)),\ 8\ ((9 + 4) - 10),\ 8\ ((9 - 10) + 4),\ 8\ \text{mod}[9, 10 - 4],$$
$$8\ \text{mod}[9 + 10, 4],\ 8\ \text{root}[9, \text{mod}[10, 4]],\ 8\ (9 - (10 - 4)),\ 8\ \text{mod}[10 + 9, 4],$$
$$9 + \text{Log}[4, 8]\ 10,\ 9 + \text{Log}\left[4, 8^{10}\right],\ \text{mod}[9 + 4, 10]\ 8,\ (9 + (4 - 10))\ 8,\ ((9 + 4) - 10)\ 8,$$
$$((9 - 10) + 4)\ 8,\ \text{mod}[9, 10 - 4]\ 8,\ \text{mod}[9 + 10, 4]\ 8,\ \text{root}[9, \text{mod}[10, 4]]\ 8,\ (9 - (10 - 4))\ 8,$$
$$9 + 10\ \text{Log}[4, 8],\ 9 + \frac{10}{\text{Log}[8, 4]},\ 10\ \text{Log}[4, 8] + 9,\ \frac{10}{\text{Log}[8, 4]} + 9,\ \text{mod}[10 + 9, 4]\ 8\Big\}\Big\},$$

$$\Big\{\{4, 8, 10, 10\},\ \Big\{(\text{mod}[4, 8] + 10) + 10,\ \text{mod}[4, 8] + (10 + 10),\ 4 - (8 - 10)\ 10,$$
$$4 + \text{mod}[10, 8]\ 10,\ 4 + (10 - 8)\ 10,\ 4 - 10\ (8 - 10),\ \left(4 - \frac{10}{10}\right) 8,\ (4 - \text{Log}[10, 10])\ 8,$$

$$4+10\,\text{mod}[10,\,8],\ 4+10\,(10-8),\ ((8-4)+10)+10,\ (8-(4-10))+10,\ (8-4)+(10+10),$$
$$8\left(4-\frac{10}{10}\right),\ 8\,(4-\text{Log}[10,\,10]),\ 8-(4-(10+10)),\ 8-((4-10)-10),\ (8+(10-4))+10,$$
$$((8+10)-4)+10,\ 8+((10-4)+10),\ 8+(10-(4-10)),\ (8+10)-(4-10),\ (8+10)+(10-4),$$
$$8+(10+(10-4)),\ 8+((10+10)-4),\ ((8+10)+10)-4,\ (8+(10+10))-4,$$
$$((10-4)+8)+10,\ (10+\text{mod}[4,\,8])+10,\ (10-(4-8))+10,\ (10-4)+(8+10),$$
$$10+(\text{mod}[4,\,8]+10),\ 10-(4-(8+10)),\ 10-((4-8)-10),\ ((10-4)+10)+8,$$
$$(10-(4-10))+8,\ (10-4)+(10+8),\ 10-(4-(10+8)),\ 10-((4-10)-8),$$
$$(10+(8-4))+10,\ ((10+8)-4)+10,\ 10+((8-4)+10),\ 10+(8-(4-10)),$$
$$(10+8)-(4-10),\ \text{mod}[10,\,8]\,10+4,\ (10-8)\,10+4,\ (10+8)+(10-4),\ 10+(8+(10-4)),$$
$$10+((8+10)-4),\ ((10+8)+10)-4,\ (10+(8+10))-4,\ (10+(10-4))+8,$$
$$((10+10)-4)+8,\ 10+((10-4)+8),\ (10+10)+\text{mod}[4,\,8],\ 10+(10+\text{mod}[4,\,8]),$$
$$10+(10-(4-8)),\ (10+10)-(4-8),\ 10\,\text{mod}[10,\,8]+4,\ 10\,(10-8)+4,\ (10+10)+(8-4),$$
$$10+(10+(8-4)),\ 10+((10+8)-4),\ ((10+10)+8)-4,\ (10+(10+8))-4\}\},$$

$$\{\{4,\,9,\,9,\,9\},\ \{\}\},\ \{\{4,\,9,\,9,\,10\},\ \{((9-4)+9)+10,\ (9-(4-9))+10,\ (9-4)+(9+10),$$
$$9-(4-(9+10)),\ 9-((4-9)-10),\ ((9-4)+10)+9,\ (9-(4-10))+9,$$
$$(9-4)+(10+9),\ 9-(4-(10+9)),\ 9-((4-10)-9),\ (9+(9-4))+10,$$
$$((9+9)-4)+10,\ 9+((9-4)+10),\ 9+(9-(4-10)),\ (9+9)-(4-10),\ (9+9)+(10-4),$$
$$9+(9+(10-4)),\ 9+((9+10)-4),\ ((9+9)+10)-4,\ (9+(9+10))-4,\ (9+(10-4))+9,$$
$$((9+10)-4)+9,\ 9+((10-4)+9),\ 9+(10-(4-9)),\ (9+10)-(4-9),\ (9+10)+(9-4),$$
$$9+(10+(9-4)),\ 9+((10+9)-4),\ ((9+10)+9)-4,\ (9+(10+9))-4,\ ((10-4)+9)+9,$$
$$(10-(4-9))+9,\ (10-4)+(9+9),\ 10-(4-(9+9)),\ 10-((4-9)-9),\ (10+(9-4))+9,$$
$$((10+9)-4)+9,\ 10+((9-4)+9),\ 10+(9-(4-9)),\ (10+9)-(4-9),\ (10+9)+(9-4),$$
$$10+(9+(9-4)),\ 10+((9+9)-4),\ ((10+9)+9)-4,\ (10+(9+9))-4\}\},$$
$$\{\{4,\,9,\,10,\,10\},\ \{(\text{mod}[4,\,9]+10)+10,\ \text{mod}[4,\,9]+(10+10),\ (10+\text{mod}[4,\,9])+10,$$
$$10+(\text{mod}[4,\,9]+10),\ (10+10)+\text{mod}[4,\,9],\ 10+(10+\text{mod}[4,\,9])\}\},$$
$$\{\{4,\,10,\,10,\,10\},\ \{(\text{mod}[4,\,10]+10)+10,\ \text{mod}[4,\,10]+(10+10),\ (10+\text{mod}[4,\,10])+10,$$
$$10+(\text{mod}[4,\,10]+10),\ (10+10)+\text{mod}[4,\,10],\ 10+(10+\text{mod}[4,\,10])\}\},$$

$$\left\{\{5,\,5,\,5,\,5\},\ \left\{5\times5-\frac{5}{5},\ 5\times5-\text{Log}[5,\,5]\right\}\right\},$$

$$\left\{\{5,\,5,\,5,\,6\},\ \left\{\left(5-\frac{5}{5}\right)6,\ (5-\text{Log}[5,\,5])\,6,\ 5\times5+(5-6),\right.\right.$$
$$5+(5\times5-6),\ (5\times5+5)-6,\ (5+5\times5)-6,\ (5\times5-6)+5,\ 5\times5-\text{mod}[6,\,5],$$
$$\left.\left.5\times5-(6-5),\ (5-6)+5\times5,\ 5-(6-5\times5),\ 6\left(5-\frac{5}{5}\right),\ 6\,(5-\text{Log}[5,\,5])\right\}\right\},$$

$$\{\{5,\,5,\,5,\,7\},\ \{\}\},\ \{\{5,\,5,\,5,\,8\},\ \{\}\},\ \{\{5,\,5,\,5,\,9\},$$
$$\{((5+5)+5)+9,\ (5+(5+5))+9,\ (5+5)+(5+9),\ 5+((5+5)+9),\ 5+(5+(5+9)),$$
$$((5+5)+9)+5,\ (5+(5+9))+5,\ (5+5)+(9+5),\ 5+((5+9)+5),\ 5+(5+(9+5)),$$
$$((5+9)+5)+5,\ (5+(9+5))+5,\ (5+9)+(5+5),\ 5+((9+5)+5),\ 5+(9+(5+5)),$$
$$((9+5)+5)+5,\ (9+(5+5))+5,\ (9+5)+(5+5),\ 9+((5+5)+5),\ 9+(5+(5+5))\}\},$$

$$\{\{5,\,5,\,5,\,10\},\ \{\}\},\ \left\{\{5,\,5,\,6,\,6\},\ \left\{\text{mod}[5+5,\,6]\,6,\ (5+(5-6))\,6,\ ((5+5)-6)\,6,\ 5\times5-\frac{6}{6},\right.\right.$$
$$5\times5-\text{Log}[6,\,6],\ ((5-6)+5)\,6,\ (5-\text{mod}[6,\,5])\,6,\ (5-(6-5))\,6,\ 5\left(6-\frac{6}{5}\right),\ 6\,\text{mod}[5+5,\,6],$$
$$\left.\left.6\,(5+(5-6)),\ 6\,((5+5)-6),\ 6\,((5-6)+5),\ 6\,(5-\text{mod}[6,\,5]),\ 6\,(5-(6-5)),\ \left(6-\frac{6}{5}\right)5\right\}\right\},$$

$$\{\{5,\,5,\,6,\,7\},\ \{5\times5+(6-7),\ (5\times5+6)-7,\ \text{mod}[5\times5,\,7]\,6,\ (5\times5-7)+6,$$
$$5\times5-\text{mod}[7,\,6],\ 5\times5-(7-6),\ 5\times7-(5+6),\ (5\times7-5)-6,\ 5\times7-(6+5),$$
$$(5\times7-6)-5,\ 6\,\text{mod}[5\times5,\,7],\ 6+(5\times5-7),\ (6+5\times5)-7,\ (6-7)+5\times5,$$
$$6-(7-5\times5),\ 7\times5-(5+6),\ (7\times5-5)-6,\ 7\times5-(6+5),\ (7\times5-6)-5\}\},$$
$$\{\{5,\,5,\,6,\,8\},\ \{((5+5)+6)+8,\ (5+(5+6))+8,\ (5+5)+(6+8),\ 5+((5+6)+8),$$
$$5+(5+(6+8)),\ ((5+5)+8)+6,\ (5+(5+8))+6,\ (5+5)+(8+6),$$
$$5+((5+8)+6),\ 5+(5+(8+6)),\ ((5+6)+5)+8,\ (5+(6+5))+8,$$
$$(5+6)+(5+8),\ 5+((6+5)+8),\ 5+(6+(5+8)),\ ((5+6)+8)+5,$$
$$(5+(6+8))+5,\ (5+6)+(8+5),\ 5+((6+8)+5),\ 5+(6+(8+5)),\ ((5+8)+5)+6,$$
$$(5+(8+5))+6,\ (5+8)+(5+6),\ 5+((8+5)+6),\ 5+(8+(5+6)),\ ((5+8)+6)+5,$$
$$(5+(8+6))+5,\ (5+8)+(6+5),\ 5+((8+6)+5),\ 5+(8+(6+5)),\ ((6+5)+5)+8,$$

$$(6+(5+5))+8,\ (6+5)+(5+8),\ 6+((5+5)+8),\ 6+(5+(5+8)),\ ((6+5)+8)+5,$$
$$(6+(5+8))+5,\ (6+5)+(8+5),\ 6+((5+8)+5),\ 6+(5+(8+5)),\ ((6+8)+5)+5,$$
$$(6+(8+5))+5,\ (6+8)+(5+5),\ 6+((8+5)+5),\ 6+(8+(5+5)),\ ((8+5)+5)+6,$$
$$(8+(5+5))+6,\ (8+5)+(5+6),\ 8+((5+5)+6),\ 8+(5+(5+6)),\ ((8+5)+6)+5,$$
$$(8+(5+6))+5,\ (8+5)+(6+5),\ 8+((5+6)+5),\ 8+(5+(6+5)),\ ((8+6)+5)+5,$$
$$(8+(6+5))+5,\ (8+6)+(5+5),\ 8+((6+5)+5),\ 8+(6+(5+5))\}\},$$

$$\{\{5,5,6,9\},\{\mathrm{mod}[5+9,5]\,6,\ 6\,\mathrm{mod}[5+9,5],\ 6\,\mathrm{mod}[9+5,5],\ 6\,\mathrm{mod}[\mathrm{mod}[9,5],5],$$
$$6\,\mathrm{mod}\left[9^5,5\right],\ 6\,\mathrm{mod}[9-5,5],\ \mathrm{mod}[9+5,5]\,6,\ \mathrm{mod}[\mathrm{mod}[9,5],5]\,6,$$
$$\mathrm{mod}\left[9^5,5\right]\,6,\ \mathrm{mod}[9-5,5]\,6\}\},\ \{\{5,5,6,10\},\{\}\},$$

$$\left\{\{5,5,7,7\},\left\{((5+5)+7)+7,\ (5+(5+7))+7,\ (5+5)+(7+7),\ 5+((5+7)+7),\right.\right.$$
$$5+(5+(7+7)),\ 5\times 5-\frac{7}{7},\ 5\times 5-\mathrm{Log}[7,7],\ ((5+7)+5)+7,\ (5+(7+5))+7,$$
$$(5+7)+(5+7),\ 5+((7+5)+7),\ 5+(7+(5+7)),\ ((5+7)+7)+5,\ (5+(7+7))+5,$$
$$(5+7)+(7+5),\ 5+((7+7)+5),\ 5+(7+(7+5)),\ (5+7)\,\mathrm{mod}[7,5],$$
$$(5+7)\,(7-5),\ \mathrm{mod}[7,5]\,(5+7),\ (7-5)\,(5+7),\ ((7+5)+5)+7,\ (7+(5+5))+7,$$
$$(7+5)+(5+7),\ 7+((5+5)+7),\ 7+(5+(5+7)),\ \mathrm{mod}[7,5]\,(7+5),$$
$$(7-5)\,(7+5),\ ((7+5)+7)+5,\ (7+(5+7))+5,\ (7+5)+(7+5),\ 7+((5+7)+5),$$
$$7+(5+(7+5)),\ (7+5)\,\mathrm{mod}[7,5],\ (7+5)\,(7-5),\ ((7+7)+5)+5,$$
$$\left.\left.(7+(7+5))+5,\ (7+7)+(5+5),\ 7+((7+5)+5),\ 7+(7+(5+5)),\ 7\times 7-5\times 5\right\}\right\},$$

$$\left\{\{5,5,7,8\},\left\{\mathrm{mod}[5+5,7]\,8,\ \mathrm{mod}\left[5^5,7\right]\,8,\ (5+(5-7))\,8,\ ((5+5)-7)\,8,\ 5\times 5+(7-8),\right.\right.$$
$$(5\times 5+7)-8,\ (5\times 5-8)+7,\ 5\times 5-\mathrm{mod}[8,7],\ 5\times 5-(8-7),\ ((5-7)+5)\,8,$$
$$(5-\mathrm{mod}[7,5])\,8,\ (5-(7-5))\,8,\ 7+(5\times 5-8),\ (7+5\times 5)-8,\ \mathrm{mod}[7,5]^5-8,$$
$$(7-5)^5-8,\ (7-8)+5\times 5,\ 7-(8-5\times 5),\ 8\,\mathrm{mod}[5+5,7],\ 8\,\mathrm{mod}\left[5^5,7\right],\ 8\,(5+(5-7)),$$
$$\left.\left.8\,((5+5)-7),\ 8\,((5-7)+5),\ 8\,(5-\mathrm{mod}[7,5]),\ 8\,(5-(7-5))\right\}\right\},\ \{\{5,5,7,9\},\{\}\},$$

$$\left\{\{5,5,7,10\},\left\{\frac{5+7}{5}\,10,\ \frac{5+7}{\frac{5}{10}},\ (5+7)\,\frac{10}{5},\ \frac{(5+7)\,10}{5},\ \frac{7+5}{5}\,10,\ \frac{7+5}{\frac{5}{10}},\ (7+5)\,\frac{10}{5},\right.\right.$$
$$\left.\left.\frac{(7+5)\,10}{5},\ \frac{10}{5}\,(5+7),\ \frac{10}{\frac{5}{5+7}},\ \frac{10}{5}\,(7+5),\ \frac{10}{\frac{5}{7+5}},\ 10\,\frac{5+7}{5},\ \frac{10\,(5+7)}{5},\ 10\,\frac{7+5}{5},\ \frac{10\,(7+5)}{5}\right\}\right\},$$

$$\left\{\{5,5,8,8\},\left\{5\times 5-\frac{8}{8},\ 5\times 5-\mathrm{Log}[8,8],\ \mathrm{mod}[5+8,5]\,8,\ \mathrm{mod}[8+5,5]\,8,\right.\right.$$
$$\mathrm{mod}[\mathrm{mod}[8,5],5]\,8,\ \mathrm{mod}\left[8^5,5\right]\,8,\ \mathrm{mod}[8-5,5]\,8,\ 8\,\mathrm{mod}[5+8,5],$$
$$\left.\left.8\,\mathrm{mod}[8+5,5],\ 8\,\mathrm{mod}[\mathrm{mod}[8,5],5],\ 8\,\mathrm{mod}\left[8^5,5\right],\ 8\,\mathrm{mod}[8-5,5]\right\}\right\},$$

$$\{\{5,5,8,9\},\{5\times 5+(8-9),\ (5\times 5+8)-9,\ (5\times 5-9)+8,\ 5\times 5-\mathrm{mod}[9,8],$$
$$5\times 5-(9-8),\ 5\,\mathrm{mod}[8,5]+9,\ 5\,(8-5)+9,\ \mathrm{mod}[8,5]\,5+9,\ (8-5)\,5+9,$$
$$8+(5\times 5-9),\ (8+5\times 5)-9,\ (8-9)+5\times 5,\ 8-(9-5\times 5),\ 9-5\,(5-8),$$
$$9+5\,\mathrm{mod}[8,5],\ 9+5\,(8-5),\ 9-(5-8)\,5,\ 9+\mathrm{mod}[8,5]\,5,\ 9+(8-5)\,5\}\},$$

$$\left\{\{5,5,8,10\},\left\{\frac{5+10}{5}\,8,\ \left(5-\frac{10}{5}\right)\,8,\ \frac{5+10}{\frac{5}{8}},\ (5+10)\,\frac{8}{5},\ \frac{(5+10)\,8}{5},\ \frac{8}{5}\,(5+10),\right.\right.$$
$$\frac{8}{\frac{5}{5+10}},\ \frac{8}{5}\,(10+5),\ \frac{8}{\frac{5}{10+5}},\ 8\,\frac{5+10}{5},\ \frac{8\,(5+10)}{5},\ 8\left(5-\frac{10}{5}\right),\ 8\,\frac{10+5}{5},$$
$$\left.\left.\frac{8\,(10+5)}{5},\ \frac{10+5}{5}\,8,\ \frac{10+5}{\frac{5}{8}},\ \left(\frac{10}{5}\right)^5-8,\ (10+5)\,\frac{8}{5},\ \frac{(10+5)\,8}{5}\right\}\right\},$$

$$\left\{\{5,5,9,9\},\left\{5\times 5-\frac{9}{9},\ 5\times 5-\mathrm{Log}[9,9]\right\}\right\},$$

$$\{\{5,5,9,10\},\{5\times 5+(9-10),\ (5\times 5+9)-10,\ (5\times 5-10)+9,\ 5\times 5-\mathrm{mod}[10,9],$$
$$5\times 5-(10-9),\ 9+(5\times 5-10),\ (9+5\times 5)-10,\ (9-10)+5\times 5,\ 9-(10-5\times 5)\}\},$$

$$\left\{\{5,5,10,10\},\left\{5\times 5-\frac{10}{10},\ 5\times 5-\mathrm{Log}[10,10]\right\}\right\},\ \left\{\{5,6,6,6\},\right.$$

$$\left\{\left\{5-\frac{6}{6}\right)\,6,\ (5-\text{Log}[6,\,6])\,6,\ \text{mod}[5,\,6]\,6-6,\ 6\,\left(5-\frac{6}{6}\right),\ 6\,(5-\text{Log}[6,\,6]),\ 6\,\text{mod}[5,\,6]-6\right\}\right\},$$

$$\left\{\{5,\,6,\,6,\,7\},\ \left\{((5+6)+6)+7,\ (5+(6+6))+7,\ (5+6)+(6+7),\ 5+((6+6)+7),\right.\right.$$
$$5+(6+(6+7)),\ 5\times 6-\text{mod}[6,\,7],\ \text{mod}[5+6,\,7]\,6,\ (5+(6-7))\,6,\ ((5+6)-7)\,6,$$
$$((5+6)+7)+6,\ (5+(6+7))+6,\ (5+6)+(7+6),\ 5+((6+7)+6),\ 5+(6+(7+6)),$$
$$5\,\text{mod}[6,\,7]-6,\ ((5-7)+6)\,6,\ (5-\text{mod}[7,\,6])\,6,\ (5-(7-6))\,6,\ ((5+7)+6)+6,$$
$$(5+(7+6))+6,\ (5+7)+(6+6),\ 5+((7+6)+6),\ 5+(7+(6+6)),\ \text{mod}[5,\,7]\,6-6,$$
$$((6+5)+6)+7,\ (6+(5+6))+7,\ (6+5)+(6+7),\ 6+((5+6)+7),\ 6+(5+(6+7)),$$
$$6\,\text{mod}[5+6,\,7],\ 6\,(5+(6-7)),\ 6\times 5-\text{mod}[6,\,7],\ 6\,((5+6)-7),\ \text{mod}[6+5,\,7]\,6,$$
$$(6+(5-7))\,6,\ ((6+5)-7)\,6,\ ((6+5)+7)+6,\ (6+(5+7))+6,\ 6\,((5-7)+6),$$
$$(6+5)+(7+6),\ 6+((5+7)+6),\ 6+(5+(7+6)),\ 6\,(5-\text{mod}[7,\,6]),\ 6\,(5-(7-6)),$$
$$6\,\text{mod}[5,\,7]-6,\ ((6+6)+5)+7,\ (6+(6+5))+7,\ (6+6)+(5+7),\ 6+((6+5)+7),$$
$$6+(6+(5+7)),\ 6\,\text{mod}[6+5,\,7],\ 6\,(6+(5-7)),\ 6\times 6-(5+7),\ 6\,((6+5)-7),\ (6\times 6-5)-7,$$
$$((6+6)+7)+5,\ (6+(6+7))+5,\ 6\,((6-7)+5),\ (6+6)+(7+5),\ 6+((6+7)+5),$$
$$6+(6+(7+5)),\ (6+6)\,\text{mod}[7,\,5],\ 6\,(6-\text{mod}[7,\,5]),\ 6\,(6-(7-5)),\ (6+6)\,(7-5),$$
$$6\times 6-(7+5),\ (6\times 6-7)-5,\ ((6-7)+5)\,6,\ (6-\text{mod}[7,\,5])\,6,\ (6-(7-5))\,6,$$
$$((6+7)+5)+6,\ (6+(7+5))+6,\ (6+7)+(5+6),\ 6+((7+5)+6),\ 6+(7+(5+6)),$$
$$\text{mod}[6,\,7]\,5-6,\ ((6+7)+6)+5,\ (6+(7+6))+5,\ (6+7)+(6+5),\ 6+((7+6)+5),$$
$$6+(7+(6+5)),\ 6\,\text{mod}\left[7^6,\,5\right],\ \text{mod}[7,\,5]\,(6+6),\ (7-5)\,(6+6),\ ((7+5)+6)+6,$$
$$(7+(5+6))+6,\ (7+5)+(6+6),\ 7+((5+6)+6),\ 7+(5+(6+6)),\ \text{mod}\left[7^6,\,5\right]\,6,$$
$$((7+6)+5)+6,\ (7+(6+5))+6,\ (7+6)+(5+6),\ 7+((6+5)+6),\ 7+(6+(5+6)),$$
$$\left.\left.((7+6)+6)+5,\ (7+(6+6))+5,\ (7+6)+(6+5),\ 7+((6+6)+5),\ 7+(6+(6+5))\right\}\right\},$$

$$\left\{\{5,\,6,\,6,\,8\},\ \left\{5\times 6-\text{mod}[6,\,8],\ 5\,\text{mod}[6,\,8]-6,\ \text{mod}[5\times 8,\,6]\,6,\ \text{mod}[5,\,8]\,6-6,\right.\right.$$
$$6\times 5-\text{mod}[6,\,8],\ 6\,\text{mod}[5\times 8,\,6],\ 6-(5-8)\,6,\ 6\,\text{mod}[5,\,8]-6,\ 6-6\,(5-8),$$
$$6+6\,\text{mod}[8,\,5],\ 6\,\text{mod}[6+8,\,5],\ 6+6\,(8-5),\ \text{mod}[6+8,\,5]\,6,\ 6\,\text{mod}[8,\,5]+6,\ 6\,(8-5)+6,$$
$$6+\text{mod}[8,\,5]\,6,\ 6+(8-5)\,6,\ 6\,\text{mod}[8\times 5,\,6],\ \text{mod}[6,\,8]\,5-6,\ 6\,\text{mod}[8+6,\,5],\ 6\,\text{mod}\left[8^6,\,5\right],$$
$$\left.\left.\text{mod}[8\times 5,\,6]\,6,\ \text{mod}[8,\,5]\,6+6,\ (8-5)\,6+6,\ \text{mod}[8+6,\,5]\,6,\ \text{mod}\left[8^6,\,5\right]\,6\right\}\right\},$$

$$\left\{\{5,\,6,\,6,\,9\},\ \{5\times 6-\text{mod}[6,\,9],\ 5\,\text{mod}[6,\,9]-6,\ \text{mod}[5,\,9]\,6-6,\ 6\times 5-\text{mod}[6,\,9],\right.$$
$$6\,\text{mod}[5,\,9]-6,\ 6\,\text{mod}[6\times 9,\,5],\ \text{mod}[6\times 9,\,5]\,6,\ 6\,\text{mod}[9,\,\text{mod}[5,\,6]],$$
$$6\,\text{mod}[\text{mod}[9,\,5],\,6],\ 6\,\text{mod}[9-5,\,6],\ 6\,(9-\text{mod}[5,\,6]),\ \text{mod}[6,\,9]\,5-6,$$
$$6\times 9-5\times 6,\ 6\,\text{mod}[9\times 6,\,5],\ 6\times 9-6\times 5,\ \text{mod}[9,\,\text{mod}[5,\,6]]\,6,\ \text{mod}[\text{mod}[9,\,5],\,6]\,6,$$
$$\left.\text{mod}[9-5,\,6]\,6,\ (9-\text{mod}[5,\,6])\,6,\ \text{mod}[9\times 6,\,5]\,6,\ 9\times 6-5\times 6,\ 9\times 6-6\times 5\}\right\},$$

$$\left\{\{5,\,6,\,6,\,10\},\ \left\{5\times 6-\text{mod}[6,\,10],\ 5\,\text{mod}[6,\,10]-6,\ \text{mod}[5,\,10]\,6-6,\ 6\times 5-\text{mod}[6,\,10],\right.\right.$$
$$6\,\text{mod}[5,\,10]-6,\ \frac{6+6}{5}\,10,\ \frac{6+6}{\frac{5}{10}},\ (6+6)\,\frac{10}{5},\ \frac{(6+6)\,10}{5},\ 6\,\left(6-\frac{10}{5}\right),\ \left(6-\frac{10}{5}\right)\,6,\ 6\,\text{mod}\left[10^5,\,6\right],$$
$$\text{mod}[6,\,10]\,5-6,\ 6\,(10-5)-6,\ 6\,\text{mod}[\text{mod}[10,\,6],\,5],\ 6\,\text{mod}[10-6,\,5],\ \text{mod}\left[10^5,\,6\right]\,6,$$
$$\left.\left.\frac{10}{5}\,(6+6),\ \frac{10}{\frac{5}{6+6}},\ (10-5)\,6-6,\ \text{mod}[\text{mod}[10,\,6],\,5]\,6,\ \text{mod}[10-6,\,5]\,6,\ 10\,\frac{6+6}{5},\ \frac{10\,(6+6)}{5}\right\}\right\},$$

$$\left\{\{5,\,6,\,7,\,7\},\ \left\{\left(5-\frac{7}{7}\right)\,6,\ (5-\text{Log}[7,\,7])\,6,\ 6\,\left(5-\frac{7}{7}\right),\ 6\,(5-\text{Log}[7,\,7]),\right.\right.$$
$$\left.\left.6\,\text{mod}[7\times 7,\,5],\ 6\,\text{mod}[7+7,\,5],\ \text{mod}[7\times 7,\,5]\,6,\ \text{mod}[7+7,\,5]\,6\right\}\right\},$$

$$\left\{\{5,\,6,\,7,\,8\},\ \left\{\text{mod}[5+7,\,8]\,6,\ (5+(7-8))\,6,\ ((5+7)-8)\,6,\ (5+7)\,\text{mod}[8,\,6],\right.\right.$$
$$(5+7)\,(8-6),\ ((5-8)+7)\,6,\ \text{mod}\left[5^8,\,7\right]\,6,\ (5-\text{mod}[8,\,7])\,6,\ (5-(8-7))\,6,\ 6\,\text{mod}[5+7,\,8],$$
$$6\,(5+(7-8)),\ 6\,((5+7)-8),\ 6\,((5-8)+7),\ 6\,\text{mod}\left[5^8,\,7\right],\ 6\,(5-\text{mod}[8,\,7]),\ 6\,(5-(8-7)),$$
$$\frac{6}{\text{mod}[7,\,5]}\,8,\ \frac{6}{7-5}\,8,\ \text{mod}[6+7,\,5]\,8,\ \frac{6}{\frac{\text{mod}[7,5]}{8}},\ \frac{6}{\frac{7-5}{8}},\ 6\,\text{mod}[7+5,\,8],\ 6\,(7+(5-8)),$$
$$6\,((7+5)-8),\ 6\,((7-8)+5),\ 6\,(7-\text{mod}[8,\,5]),\ 6\,(7-(8-5)),\ 6\,\frac{8}{\text{mod}[7,\,5]},\ 6\,\frac{8}{7-5},$$
$$\frac{6\times 8}{\text{mod}[7,\,5]},\ \frac{6\times 8}{7-5},\ \text{mod}[7+5,\,8]\,6,\ (7+(5-8))\,6,\ ((7+5)-8)\,6,\ (7+5)\,\text{mod}[8,\,6],$$

$$(7+5)\,(8-6),\ \mathrm{mod}[7+6,5]\,8,\ ((7-8)+5)\,6,\ (7-\mathrm{mod}[8,5])\,6,\ (7-(8-5))\,6,$$
$$\mathrm{mod}[8,6]\,(5+7),\ (8-6)\,(5+7),\ \mathrm{mod}[8,6]\,(7+5),\ (8-6)\,(7+5),\ 8\,\frac{6}{\mathrm{mod}[7,5]},\ 8\,\frac{6}{7-5},$$
$$\frac{8\times 6}{\mathrm{mod}[7,5]},\ \frac{8\times 6}{7-5},\ 8\,\mathrm{mod}[6+7,5],\ \frac{8}{\mathrm{mod}[7,5]}\,6,\ \frac{8}{7-5}\,6,\ \frac{8}{\frac{\mathrm{mod}[7,5]}{6}},\ \frac{8}{\frac{7-5}{6}},\ 8\,\mathrm{mod}[7+6,5]\Big\}\Big\},$$

$$\Big\{\{5,6,7,9\},\ \Big\{6-(5-7)\,9,\ 6+\mathrm{mod}[7,5]\,9,\ 6+(7-5)\,9,\ 6\,\mathrm{mod}\Big[7^5,9\Big],\ \mathrm{mod}[6,7]\,\mathrm{mod}[9,5],$$
$$\mathrm{mod}[6,7]\,(9-5),\ 6\,\mathrm{mod}[9,\mathrm{mod}[5,7]],\ 6\,\mathrm{mod}[\mathrm{mod}[9,5],7],\ 6\,\mathrm{mod}\Big[9^5,7\Big],$$
$$6\,\mathrm{mod}[9-5,7],\ 6-9\,(5-7),\ 6\,(9-\mathrm{mod}[5,7]),\ 6+9\,\mathrm{mod}[7,5],\ 6\,\mathrm{mod}\Big[9^7,5\Big],$$
$$6+9\,(7-5),\ \mathrm{mod}\Big[7^5,9\Big]\,6,\ \mathrm{mod}[7,5]\,9+6,\ (7-5)\,9+6,\ \mathrm{mod}[9,5]\,\mathrm{mod}[6,7],$$
$$(9-5)\,\mathrm{mod}[6,7],\ \mathrm{mod}[9,\mathrm{mod}[5,7]]\,6,\ \mathrm{mod}[\mathrm{mod}[9,5],7]\,6,\ \mathrm{mod}\Big[9^5,7\Big]\,6,$$
$$\mathrm{mod}[9-5,7]\,6,\ (9-\mathrm{mod}[5,7])\,6,\ \mathrm{mod}\Big[9^7,5\Big]\,6,\ 9\,\mathrm{mod}[7,5]+6,\ 9\,(7-5)+6\Big\}\Big\},$$

$$\Big\{\{5,6,7,10\},\ \Big\{6\,\mathrm{mod}\Big[7^{10},5\Big],\ \mathrm{mod}\Big[7^{10},5\Big]\,6\Big\}\Big\},$$

$$\Big\{\{5,6,8,8\},\ \Big\{\mathrm{mod}[5+6,8]\,8,\ (5+(6-8))\,8,\ ((5+6)-8)\,8,\ ((5-8)+6)\,8,$$
$$(5-\mathrm{mod}[8,6])\,8,\ (5-(8-6))\,8,\ \left(5-\frac{8}{8}\right)6,\ (5-\mathrm{Log}[8,8])\,6,\ \mathrm{mod}[6+5,8]\,8,$$
$$(6+(5-8))\,8,\ ((6+5)-8)\,8,\ 6\left(5-\frac{8}{8}\right),\ 6\,(5-\mathrm{Log}[8,8]),\ ((6-8)+5)\,8,$$
$$\mathrm{mod}[6\times 8,5]\,8,\ (6-\mathrm{mod}[8,5])\,8,\ (6-(8-5))\,8,\ 6\,\mathrm{mod}[8\times 8,5],\ \mathrm{mod}[8,\mathrm{mod}[5,6]]\,8,$$
$$\mathrm{mod}[\mathrm{mod}[8,5],6]\,8,\ \mathrm{mod}[8-5,6]\,8,\ (8-\mathrm{mod}[5,6])\,8,\ 8\,\mathrm{mod}[5+6,8],\ 8\,(5+(6-8)),$$
$$8\,((5+6)-8),\ 8\,((5-8)+6),\ 8\,(5-\mathrm{mod}[8,6]),\ 8\,(5-(8-6)),\ \mathrm{mod}[8\times 6,5]\,8,$$
$$8\,\mathrm{mod}[6+5,8],\ 8\,(6+(5-8)),\ 8\,((6+5)-8),\ \mathrm{mod}[8,6]^5-8,\ (8-6)^5-8,\ 8\,((6-8)+5),$$
$$8\,\mathrm{mod}[6\times 8,5],\ 8\,(6-\mathrm{mod}[8,5]),\ 8\,(6-(8-5)),\ \mathrm{mod}[8\times 8,5]\,6,\ 8\,\mathrm{mod}[8,\mathrm{mod}[5,6]],$$
$$8\,\mathrm{mod}[\mathrm{mod}[8,5],6],\ 8\,\mathrm{mod}[8-5,6],\ 8\,(8-\mathrm{mod}[5,6]),\ 8\,\mathrm{mod}[8\times 6,5]\Big\}\Big\},$$

$$\Big\{\{5,6,8,9\},\ \Big\{\mathrm{mod}[5\times 6,9]\,8,\ \mathrm{mod}[5\times 8,9]\,6,\ \mathrm{mod}[5+8,9]\,6,\ (5+(8-9))\,6,$$
$$((5+8)-9)\,6,\ \mathrm{mod}[5\times 9,6]\,8,\ ((5-9)+8)\,6,\ (5-\mathrm{mod}[9,8])\,6,\ (5-(9-8))\,6,$$
$$6\,\mathrm{mod}[5\times 8,9],\ 6\,\mathrm{mod}[5+8,9],\ 6\,(5+(8-9)),\ 6\,((5+8)-9),\ \mathrm{mod}[6\times 5,9]\,8,$$
$$6\,((5-9)+8),\ 6\,(5-\mathrm{mod}[9,8]),\ 6\,(5-(9-8)),\ \frac{6^{\mathrm{mod}[8,5]}}{9},\ \frac{6^{8-5}}{9},\ 6\,\mathrm{mod}[8\times 5,9],$$
$$6\,\mathrm{mod}[8+5,9],\ 6\,(8+(5-9)),\ 6\,((8+5)-9),\ 6\,((8-9)+5),\ \mathrm{mod}[6,8]\,\mathrm{mod}[9,5],$$
$$6\,(8-\mathrm{mod}[9,5]),\ 6\,(8-(9-5)),\ \mathrm{mod}[6,8]\,(9-5),\ \frac{6+9}{5}\,8,\ \frac{6+9}{\frac{5}{8}},\ 6\,\mathrm{mod}[9,\mathrm{mod}[5,8]],$$
$$6\,\mathrm{mod}[\mathrm{mod}[9,5],8],\ 6\,\mathrm{mod}[9-5,8],\ 6\,(9-\mathrm{mod}[5,8]),\ (6+9)\,\frac{8}{5},\ \frac{(6+9)\,8}{5},\ \frac{8}{5}\,(6+9),$$
$$\frac{8}{\frac{5}{6+9}},\ 8\,\mathrm{mod}[5\times 6,9],\ \mathrm{mod}[8\times 5,9]\,6,\ \mathrm{mod}[8+5,9]\,6,\ (8+(5-9))\,6,\ ((8+5)-9)\,6,$$
$$\frac{8}{5}\,(9+6),\ \frac{8}{\frac{5}{9+6}},\ 8\,\mathrm{mod}[5\times 9,6],\ 8\,\mathrm{mod}[6\times 5,9],\ 8\,\frac{6+9}{5},\ \frac{8\,(6+9)}{5},\ ((8-9)+5)\,6,$$
$$(8-\mathrm{mod}[9,5])\,6,\ (8-(9-5))\,6,\ 8\,\mathrm{mod}[9\times 5,6],\ 8\,\mathrm{mod}\Big[9^5,6\Big],\ 8\,\frac{9+6}{5},\ \frac{8\,(9+6)}{5},$$
$$8\,\mathrm{mod}[\mathrm{mod}[9,6],5],\ 8\,\mathrm{mod}[9-6,5],\ \mathrm{mod}[9\times 5,6]\,8,\ \mathrm{mod}\Big[9^5,6\Big]\,8,\ \mathrm{mod}[9,5]\,\mathrm{mod}[6,8],$$
$$(9-5)\,\mathrm{mod}[6,8],\ \mathrm{mod}[9,\mathrm{mod}[5,8]]\,6,\ \mathrm{mod}[\mathrm{mod}[9,5],8]\,6,\ \mathrm{mod}[9-5,8]\,6,$$
$$(9-\mathrm{mod}[5,8])\,6,\ \frac{9+6}{5}\,8,\ \mathrm{mod}[\mathrm{mod}[9,6],5]\,8,\ \mathrm{mod}[9-6,5]\,8,\ \frac{9+6}{\frac{5}{8}},\ (9+6)\,\frac{8}{5},\ \frac{(9+6)\,8}{5}\Big\}\Big\},$$

$$\left\{\{5, 6, 8, 10\}, \left\{(5\times 6)\ \frac{8}{10},\ 5\left(6\times\frac{8}{10}\right),\ 5\ \frac{6\times 8}{10},\ \frac{(5\times 6)\ 8}{10},\ \frac{5\ (6\times 8)}{10},\ \left(5\times\frac{6}{10}\right) 8,\right.\right.$$
$$\frac{5\times 6}{10}\ 8,\ 5\left(\frac{6}{10}\ 8\right),\ 5\ \frac{6}{\frac{10}{8}},\ \frac{5\times 6}{\frac{10}{8}},\ (5\times 8)\ \frac{6}{10},\ 5\left(8\times\frac{6}{10}\right),\ 5\ \frac{8\times 6}{10},\ \frac{(5\times 8)\ 6}{10},\ \frac{5\ (8\times 6)}{10},$$
$$5\times 8-(6+10),\ (5\times 8-6)-10,\ \left(5\times\frac{8}{10}\right) 6,\ \frac{5\times 8}{10}\ 6,\ 5\left(\frac{8}{10}\ 6\right),\ 5\ \frac{8}{\frac{10}{6}},\ \frac{5\times 8}{\frac{10}{6}},\ 5\times 8-(10+6),$$
$$(5\times 8-10)-6,\ \left(\frac{5}{10}\ 6\right) 8,\ \frac{5}{\frac{10}{6}}\ 8,\ \text{mod}[5+10, 6]\ 8,\ \frac{5}{10}\ (6\times 8),\ \frac{5}{\frac{10}{6\times 8}},\ \frac{5}{\frac{\frac{10}{6}}{8}},\ \left(\frac{5}{10}\ 8\right) 6,\ \frac{5}{\frac{10}{8}}\ 6,$$
$$\frac{5}{10}\ (8\times 6),\ \frac{5}{\frac{10}{8\times 6}},\ \frac{5}{\frac{\frac{10}{8}}{6}},\ (6\times 5)\ \frac{8}{10},\ 6\left(5\times\frac{8}{10}\right),\ 6\ \frac{5\times 8}{10},\ \frac{(6\times 5)\ 8}{10},\ \frac{6\ (5\times 8)}{10},\ \left(6\times\frac{5}{10}\right) 8,$$
$$\frac{6\times 5}{10}\ 8,\ 6\left(\frac{5}{10}\ 8\right),\ 6\ \frac{5}{\frac{10}{8}},\ \frac{6\times 5}{\frac{10}{8}},\ (6\times 8)\ \frac{5}{10},\ 6\left(8\times\frac{5}{10}\right),\ 6\ \frac{8\times 5}{10},\ \frac{(6\times 8)\ 5}{10},\ \frac{6\ (8\times 5)}{10},$$
$$\left(6\times\frac{8}{10}\right) 5,\ \frac{6\times 8}{10}\ 5,\ 6\left(\frac{8}{10}\ 5\right),\ 6\ \frac{8}{\frac{10}{5}},\ \frac{6\times 8}{\frac{10}{5}},\ 6\ \text{mod}\left[8^{10}, 5\right],\ \left(\frac{6}{10}\ 5\right) 8,\ \frac{6}{\frac{10}{5}}\ 8,\ \frac{6}{10}\ (5\times 8),$$
$$\frac{6}{\frac{10}{5\times 8}},\ \frac{6}{\frac{\frac{10}{5}}{8}},\ \left(\frac{6}{10}\ 8\right) 5,\ \frac{6}{\frac{10}{8}}\ 5,\ \frac{6}{10}\ (8\times 5),\ \frac{6}{\frac{10}{8\times 5}},\ \frac{6}{\frac{\frac{10}{8}}{5}},\ (8\times 5)\ \frac{6}{10},\ 8\left(5\times\frac{6}{10}\right),\ 8\ \frac{5\times 6}{10},$$
$$\frac{(8\times 5)\ 6}{10},\ \frac{8\ (5\times 6)}{10},\ 8\times 5-(6+10),\ (8\times 5-6)-10,\ \left(8\times\frac{5}{10}\right) 6,\ \frac{8\times 5}{10}\ 6,\ 8\left(\frac{5}{10}\ 6\right),\ 8\ \frac{5}{\frac{10}{6}},$$
$$\frac{8\times 5}{\frac{10}{6}},\ 8\ \text{mod}[5+10, 6],\ 8\times 5-(10+6),\ \text{mod}[8, 5]\ 10-6,\ (8-5)\ 10-6,\ (8\times 5-10)-6,$$
$$(8\times 6)\ \frac{5}{10},\ 8\left(6\times\frac{5}{10}\right),\ 8\ \frac{6\times 5}{10},\ \frac{(8\times 6)\ 5}{10},\ \frac{8\ (6\times 5)}{10},\ \left(8\times\frac{6}{10}\right) 5,\ \frac{8\times 6}{10}\ 5,\ 8\left(\frac{6}{10}\ 5\right),$$
$$8\ \frac{6}{\frac{10}{5}},\ \frac{8\times 6}{\frac{10}{5}},\ \left(\frac{8}{10}\ 5\right) 6,\ \frac{8}{\frac{10}{5}}\ 6,\ \text{mod}\left[8^{10}, 5\right] 6,\ \frac{8}{10}\ (5\times 6),\ \frac{8}{\frac{10}{5\times 6}},\ \frac{8}{\frac{\frac{10}{5}}{6}},\ 8\ \text{mod}[10+5, 6],$$
$$\left.\left.\left(\frac{8}{10}\ 6\right) 5,\ \frac{8}{\frac{10}{6}}\ 5,\ \frac{8}{10}\ (6\times 5),\ \frac{8}{\frac{10}{6\times 5}},\ \frac{8}{\frac{\frac{10}{6}}{5}},\ \text{mod}[10+5, 6]\ 8,\ 10\ \text{mod}[8, 5]-6,\ 10\ (8-5)-6\right\}\right\},$$

$$\left\{\{5, 6, 9, 9\}, \left\{5\ \text{mod}[9, 6]+9,\ 5\ (9-6)+9,\ \left(5-\frac{9}{9}\right) 6,\ (5-\text{Log}[9, 9])\ 6,\ 6\left(5-\frac{9}{9}\right),\right.\right.$$
$$6\ (5-\text{Log}[9, 9]),\ 6\ \text{mod}[9, \text{mod}[5, 9]],\ 6\ \text{mod}[\text{mod}[9, 5], 9],\ 6\ \text{mod}[9-5, 9],$$
$$6\ (9-\text{mod}[5, 9]),\ \text{mod}[6, 9]\ \text{mod}[9, 5],\ 6\ \text{mod}\left[9^9, 5\right],\ \text{mod}[6, 9]\ (9-5),$$
$$\text{mod}[9, 5]\ \text{mod}[6, 9],\ (9-5)\ \text{mod}[6, 9],\ 9-5\ (6-9),\ \text{mod}[9, \text{mod}[5, 9]]\ 6,$$
$$\text{mod}[\text{mod}[9, 5], 9]\ 6,\ \text{mod}[9-5, 9]\ 6,\ (9-\text{mod}[5, 9])\ 6,\ 9+5\ \text{mod}[9, 6],\ 9+5\ (9-6),$$
$$\left.\left.\text{mod}[9, 6]\ 5+9,\ (9-6)\ 5+9,\ 9-(6-9)\ 5,\ \text{mod}\left[9^9, 5\right]\ 6,\ 9+\text{mod}[9, 6]\ 5,\ 9+(9-6)\ 5\right\}\right\},$$

$$\left\{\{5, 6, 9, 10\}, \left\{(\text{mod}[5, 6]+9)+10,\ \text{mod}[5, 6]+(9+10),\ (\text{mod}[5, 6]+10)+9,\right.\right.$$
$$\text{mod}[5, 6]+(10+9),\ \text{mod}[5+9, 10]\ 6,\ (5+(9-10))\ 6,\ ((5+9)-10)\ 6,\ ((5-10)+9)\ 6,$$
$$\text{mod}\left[5^{10}, 9\right]\ 6,\ (5-\text{mod}[10, 9])\ 6,\ (5-(10-9))\ 6,\ 6\ \text{mod}[5+9, 10],\ 6\ (5+(9-10)),$$
$$\left.\left.6\ ((5+9)-10),\ 6\ ((5-10)+9),\ 6\ \text{mod}\left[5^{10}, 9\right],\ 6\ (5-\text{mod}[10, 9]),\ 6\ (5-(10-9)),\ 6+\frac{9}{5}\ 10,\right.\right.$$

$$6+\frac{9}{\frac{5}{10}},\ 6\,\text{mod}[9,\text{mod}[5,10]],\ 6\,\text{mod}[9+5,10],\ 6\,\text{mod}[\text{mod}[9,5],10],\ 6\,\text{mod}[9-5,10],$$

$$6\,(9+(5-10)),\ 6\,(9-\text{mod}[5,10]),\ 6\,((9+5)-10),\ 6\,((9-10)+5),\ 6+9\times\frac{10}{5},$$

$$6+\frac{9\times10}{5},\ 6\,\text{mod}[9,10-5],\ 6\,\text{mod}[9+10,5],\ 6\,\text{mod}[\text{mod}[9,10],5],\ 6\,(9-(10-5)),$$

$$6\,(\text{mod}[9,10]-5),\ 6+\frac{10}{5}\,9,\ 6+\frac{10}{\frac{5}{9}},\ 6+10\times\frac{9}{5},\ 6+\frac{10\times9}{5},\ \text{mod}[6,10]\,\text{mod}[9,5],$$

$$6\,\text{mod}[10+9,5],\ \text{mod}[6,10]\,(9-5),\ (9+\text{mod}[5,6])+10,\ 9+(\text{mod}[5,6]+10),$$
$$\text{mod}[9,5]\,\text{mod}[6,10],\ (9-5)\,\text{mod}[6,10],\ \text{mod}[9,\text{mod}[5,10]]\,6,\ \text{mod}[9+5,10]\,6,$$
$$\text{mod}[\text{mod}[9,5],10]\,6,\ \text{mod}[9-5,10]\,6,\ (9+(5-10))\,6,\ (9-\text{mod}[5,10])\,6,\ ((9+5)-10)\,6,$$

$$\frac{9}{5}\,10+6,\ \frac{9}{\frac{5}{10}}+6,\ ((9-10)+5)\,6,\ \text{mod}[9,10-5]\,6,\ \text{mod}[9+10,5]\,6,\ \text{mod}[\text{mod}[9,10],5]\,6,$$

$$(9-(10-5))\,6,\ (\text{mod}[9,10]-5)\,6,\ 9\times\frac{10}{5}+6,\ \frac{9\times10}{5}+6,\ (9+10)+\text{mod}[5,6],$$

$$9+(10+\text{mod}[5,6]),\ (10+\text{mod}[5,6])+9,\ 10+(\text{mod}[5,6]+9),\ \frac{10}{5}\,9+6,\ \frac{10}{\frac{5}{9}}+6,$$

$$\text{mod}[10+9,5]\,6,\ 10\times\frac{9}{5}+6,\ \frac{10\times9}{5}+6,\ (10+9)+\text{mod}[5,6],\ 10+(9+\text{mod}[5,6])\Big\}\Big\},$$

$$\Big\{\{5,6,10,10\},\ \Big\{\Big(5-\frac{10}{10}\Big)\,6,\ (5-\text{Log}[10,10])\,6,\ \frac{6}{5}\,(10+10),\ \frac{6}{\frac{5}{10+10}},\ 6\,\Big(5-\frac{10}{10}\Big),$$

$$6\,(5-\text{Log}[10,10]),\ 6\,\frac{10+10}{5},\ \frac{6\,(10+10)}{5},\ \frac{10+10}{5}\,6,\ \frac{10+10}{\frac{5}{6}},\ (10+10)\,\frac{6}{5},\ \frac{(10+10)\,6}{5}\Big\}\Big\},$$

$$\{\{5,7,7,7\},\{\}\},\ \Big\{\{5,7,7,8\},\ \Big\{\text{mod}\Big[7^7,5\Big]\,8,\ 8\,\text{mod}\Big[7^7,5\Big]\Big\}\Big\},$$
$$\{\{5,7,7,9\},\ \{(5+7)\,\text{mod}[9,7],\ (5+7)\,(9-7),\ (7+5)\,\text{mod}[9,7],\ (7+5)\,(9-7),$$
$$\text{mod}[9,7]\,(5+7),\ (9-7)\,(5+7),\ \text{mod}[9,7]\,(7+5),\ (9-7)\,(7+5)\}\},$$
$$\{\{5,7,7,10\},\ \{\text{mod}[7,5]\,7+10,\ (7-5)\,7+10,\ 7\,\text{mod}[7,5]+10,\ 7\,(7-5)+10,$$
$$10-(5-7)\,7,\ 10+\text{mod}[7,5]\,7,\ 10+(7-5)\,7,\ 10-7\,(5-7),\ 10+7\,\text{mod}[7,5],\ 10+7\,(7-5)\}\},$$

$$\Big\{\{5,7,8,8\},\ \Big\{\text{mod}[5\times7,8]\,8,\ \text{Log}[\text{mod}[7,5],8]\,8,\ \text{Log}[7-5,8]\,8,\ \text{mod}[7\times5,8]\,8,$$

$$\text{mod}[7,5]\,8+8,\ (7-5)\,8+8,\ \text{Log}\Big[\text{mod}[7,5],8^8\Big],\ \text{Log}\Big[7-5,8^8\Big],\ \frac{7+8}{5}\,8,\ \frac{7+8}{\frac{5}{8}},$$

$$(7+8)\,\frac{8}{5},\ \frac{(7+8)\,8}{5},\ \text{mod}[8,\text{mod}[5,7]]\,8,\ \text{mod}[\text{mod}[8,5],7]\,8,\ \text{mod}[8-5,7]\,8,$$

$$(8-\text{mod}[5,7])\,8,\ \frac{8}{5}\,(7+8),\ \frac{8}{\frac{5}{7+8}},\ 8\,\text{mod}[5\times7,8],\ 8-(5-7)\,8,\ \frac{8}{5}\,(8+7),\ \frac{8}{\frac{5}{8+7}},\ \frac{8+7}{5}\,8,$$

$$8\,\text{mod}[7,5]+8,\ 8\,(7-5)+8,\ 8+\text{mod}[7,5]\,8,\ 8+(7-5)\,8,\ \frac{8+7}{\frac{5}{8}},\ 8\,\text{Log}[\text{mod}[7,5],8],$$

$$8\,\text{Log}[7-5,8],\ 8\,\text{mod}[7\times5,8],\ (8+7)\,\frac{8}{5},\ \frac{(8+7)\,8}{5},\ 8\,\frac{7+8}{5},\ \frac{8\,(7+8)}{5},$$
$$8\,\text{mod}[8,\text{mod}[5,7]],\ 8\,\text{mod}[\text{mod}[8,5],7],\ 8\,\text{mod}[8-5,7],\ 8\,(8-\text{mod}[5,7]),\ 8-8\,(5-7),$$
$$\frac{8}{\text{Log}[8,\text{mod}[7,5]]},\ \frac{8}{\text{Log}[8,7-5]},\ 8\,\frac{8+7}{5},\ \frac{8\,(8+7)}{5},\ 8+8\,\text{mod}[7,5],\ 8+8\,(7-5)\Big\}\Big\},$$

$$\Big\{\{5,7,8,9\},\ \Big\{\text{mod}[5+7,9]\,8,\ (5+(7-9))\,8,\ ((5+7)-9)\,8,\ 5\times8-(7+9),\ (5\times8-7)-9,$$

$$5\times 8-(9+7),\ (5\times 8-9)-7,\ ((5-9)+7)\ 8,\ \text{mod}[5\times 9,\ 7]\ 8,\ (5-\text{mod}[9,\ 7])\ 8,$$
$$(5-(9-7))\ 8,\ \text{mod}[7+5,\ 9]\ 8,\ (7+(5-9))\ 8,\ ((7+5)-9)\ 8,\ ((7-9)+5)\ 8,$$
$$\text{mod}[7,\ \text{mod}[9,\ 5]]\ 8,\ \text{mod}[7,\ 9-5]\ 8,\ \text{mod}[7\times 9,\ 5]\ 8,\ (7-\text{mod}[9,\ 5])\ 8,\ (7-(9-5))\ 8,$$
$$8\ \text{mod}[5+7,\ 9],\ 8\ (5+(7-9)),\ 8\times 5-(7+9),\ 8\ ((5+7)-9),\ (8\times 5-7)-9,\ 8\ ((5-9)+7),$$
$$8\ \text{mod}[5\times 9,\ 7],\ 8\ (5-\text{mod}[9,\ 7]),\ 8\ (5-(9-7)),\ 8\times 5-(9+7),\ (8\times 5-9)-7,$$
$$8\ \text{mod}[7+5,\ 9],\ 8\ (7+(5-9)),\ 8\ ((7+5)-9),\ 8\ ((7-9)+5),\ 8\ \text{mod}[7,\ \text{mod}[9,\ 5]],$$
$$8\ \text{mod}[7,\ 9-5],\ 8\ \text{mod}[7\times 9,\ 5],\ 8\ (7-\text{mod}[9,\ 5]),\ 8\ (7-(9-5)),\ \frac{8}{\text{root}[9,\ 5-7]},$$
$$8\ \text{mod}[9\times 5,\ 7],\ 8\ \text{mod}[9\times 7,\ 5],\ 8\ \text{root}[9,\ \text{mod}[7,\ 5]],\ 8\ \text{root}[9,\ 7-5],\ \text{mod}[9\times 5,\ 7]\ 8,$$
$$\text{mod}[9\times 7,\ 5]\ 8,\ \text{root}[9,\ \text{mod}[7,\ 5]]\ 8,\ \text{root}[9,\ 7-5]\ 8,\ \text{mod}[9,\ 7]^5-8,\ (9-7)^5-8\}\},$$

$$\{\{5,\ 7,\ 8,\ 10\},\ \{(5+7)\ \text{mod}[10,\ 8],\ (5+7)\ (10-8),\ (7+5)\ \text{mod}[10,\ 8],\ (7+5)\ (10-8),$$
$$8\ \text{mod}[\text{mod}[10,\ 7],\ 5],\ 8\ \text{mod}[10-7,\ 5],\ \text{mod}[\text{mod}[10,\ 7],\ 5]\ 8,\ \text{mod}[10-7,\ 5]\ 8,$$
$$\text{mod}[10,\ 8]\ (5+7),\ (10-8)\ (5+7),\ \text{mod}[10,\ 8]\ (7+5),\ (10-8)\ (7+5)\}\},\ \{\{5,\ 7,\ 9,\ 9\},\ \{\}\},$$

$$\{\{5,\ 7,\ 9,\ 10\},\ \{(\text{mod}[5,\ 7]+9)+10,\ \text{mod}[5,\ 7]+(9+10),\ (\text{mod}[5,\ 7]+10)+9,$$
$$\text{mod}[5,\ 7]+(10+9),\ 5\ \text{mod}[10,\ 7]+9,\ 5\ (10-7)+9,\ (9+\text{mod}[5,\ 7])+10,\ 9+(\text{mod}[5,\ 7]+10),$$
$$9-5\ (7-10),\ 9+5\ \text{mod}[10,\ 7],\ 9+5\ (10-7),\ 9-(7-10)\ 5,\ (9+10)+\text{mod}[5,\ 7],$$
$$9+(10+\text{mod}[5,\ 7]),\ 9+\text{mod}[10,\ 7]\ 5,\ 9+(10-7)\ 5,\ (10+\text{mod}[5,\ 7])+9,\ 10+(\text{mod}[5,\ 7]+9),$$
$$\text{mod}[10,\ 7]\ 5+9,\ (10-7)\ 5+9,\ (10+9)+\text{mod}[5,\ 7],\ 10+(9+\text{mod}[5,\ 7])\}\},$$

$$\left\{\{5,\ 7,\ 10,\ 10\},\ \left\{\frac{7}{5}\ 10+10,\ \frac{7}{\frac{5}{10}}+10,\ 7\times\frac{10}{5}+10,\ \frac{7\times 10}{5}+10,\ \frac{10}{5}\ 7+10,\right.\right.$$
$$\frac{10}{\frac{5}{7}}+10,\ 10\times\frac{7}{5}+10,\ \frac{10\times 7}{5}+10,\ 10+\frac{7}{5}\ 10,\ 10+\frac{7}{\frac{5}{10}},\ 10+7\times\frac{10}{5},$$
$$\left.\left.10+\frac{7\times 10}{5},\ 10+\frac{10}{5}\ 7,\ 10+\frac{10}{\frac{5}{7}},\ 10+10\times\frac{7}{5},\ 10+\frac{10\times 7}{5}\right\}\right\},$$

$$\{\{5,\ 8,\ 8,\ 8\},\ \{5\times 8-(8+8),\ (5\times 8-8)-8,\ \text{mod}[8,\ \text{mod}[5,\ 8]]\ 8,\ \text{mod}[\text{mod}[8,\ 5],\ 8]\ 8,$$
$$\text{mod}[8-5,\ 8]\ 8,\ (8-\text{mod}[5,\ 8])\ 8,\ 8\times 5-(8+8),\ (8\times 5-8)-8,\ 8\ \text{mod}[8,\ \text{mod}[5,\ 8]],$$
$$8\ \text{mod}[\text{mod}[8,\ 5],\ 8],\ 8\ \text{mod}[8-5,\ 8],\ 8\ (8-\text{mod}[5,\ 8]),\ 8\times 8-5\times 8,\ 8\times 8-8\times 5\}\},$$

$$\left\{\{5,\ 8,\ 8,\ 9\},\ \left\{\text{mod}[8,\ 5]\ \text{mod}[8,\ 9],\ (8-5)\ \text{mod}[8,\ 9],\ \text{mod}[8,\ \text{mod}[5,\ 9]]\ 8,\right.\right.$$
$$\text{mod}[\text{mod}[8,\ 5],\ 9]\ 8,\ \text{mod}[8-5,\ 9]\ 8,\ (8-\text{mod}[5,\ 9])\ 8,\ \frac{8}{\text{mod}[8,\ 5]}\ 9,\ \frac{8}{8-5}\ 9,\ \frac{8}{\frac{\text{mod}[8,5]}{9}},$$
$$\frac{8}{\frac{8-5}{9}},\ 8\ \text{mod}[8,\ \text{mod}[5,\ 9]],\ 8\ \text{mod}[\text{mod}[8,\ 5],\ 9],\ 8\ \text{mod}[8-5,\ 9],\ 8\ (8-\text{mod}[5,\ 9]),$$
$$8\ \text{mod}[\text{mod}[8,\ 9],\ 5],\ 8\ \text{mod}\left[8^9,\ 5\right],\ 8\ (\text{mod}[8,\ 9]-5),\ \text{mod}[\text{mod}[8,\ 9],\ 5]\ 8,$$
$$\text{mod}\left[8^9,\ 5\right]\ 8,\ (\text{mod}[8,\ 9]-5)\ 8,\ 8\ \text{mod}[9,\ 5]-8,\ 8\ (9-5)-8,\ 8\ \frac{9}{\text{mod}[8,\ 5]},\ 8\ \frac{9}{8-5},$$
$$\frac{8\times 9}{\text{mod}[8,\ 5]},\ \frac{8\times 9}{8-5},\ \text{mod}[8,\ 9]\ \text{mod}[8,\ 5],\ \text{mod}[8,\ 9]\ (8-5),\ \text{mod}[9,\ 5]\ 8-8,\ (9-5)\ 8-8,$$
$$\left.\left.\frac{9}{\text{mod}[8,\ 5]}\ 8,\ \frac{9}{8-5}\ 8,\ \frac{9}{\frac{\text{mod}[8,5]}{8}},\ \frac{9}{\frac{8-5}{8}},\ 9\ \frac{8}{\text{mod}[8,\ 5]},\ 9\ \frac{8}{8-5},\ \frac{9\times 8}{\text{mod}[8,\ 5]},\ \frac{9\times 8}{8-5}\right\}\right\},$$

$$\left\{\{5,\ 8,\ 8,\ 10\},\ \left\{\text{mod}[5+8,\ 10]\ 8,\ (5+(8-10))\ 8,\ ((5+8)-10)\ 8,\ ((5-10)+8)\ 8,\right.\right.$$
$$(5-\text{mod}[10,\ 8])\ 8,\ (5-(10-8))\ 8,\ \text{mod}[8,\ 5]\ \text{mod}[8,\ 10],\ (8-5)\ \text{mod}[8,\ 10],$$
$$8\ \text{mod}[5+8,\ 10],\ 8\ (5+(8-10)),\ 8\ ((5+8)-10),\ \text{mod}[8,\ \text{mod}[5,\ 10]]\ 8,\ \text{mod}[8+5,\ 10]\ 8,$$
$$\text{mod}[\text{mod}[8,\ 5],\ 10]\ 8,\ \text{mod}[8-5,\ 10]\ 8,\ (8+(5-10))\ 8,\ (8-\text{mod}[5,\ 10])\ 8,\ ((8+5)-10)\ 8,$$
$$\frac{8}{5}\ 10+8,\ \frac{8}{\frac{5}{10}}+8,\ 8\ ((5-10)+8),\ 8\ (5-\text{mod}[10,\ 8]),\ 8\ (5-(10-8)),\ 8+\frac{8}{5}\ 10,\ 8+\frac{8}{\frac{5}{10}},$$
$$8\ \text{mod}[8,\ \text{mod}[5,\ 10]],\ 8\ \text{mod}[8+5,\ 10],\ 8\ \text{mod}[\text{mod}[8,\ 5],\ 10],\ 8\ \text{mod}[8-5,\ 10],$$

$$8\,(8+(5-10)),\ 8\,(8-\text{mod}[5,\ 10]),\ 8\,((8+5)-10),\ 8\,((8-10)+5),\ \frac{8}{\text{Log}\left[8,\ \frac{10}{5}\right]},$$

$$8+8\times\frac{10}{5},\ 8+\frac{8\times 10}{5},\ 8\,\text{mod}[8,\ 10-5],\ 8\,\text{mod}[8+10,\ 5],\ 8\,\text{mod}[\text{mod}[8,\ 10],\ 5],$$

$$8\,(8-(10-5)),\ 8\,(\text{mod}[8,\ 10]-5),\ ((8-10)+5)\ 8,\ \text{mod}[8,\ 10-5]\ 8,\ \text{mod}[8+10,\ 5]\ 8,$$

$$\text{mod}[\text{mod}[8,\ 10],\ 5]\ 8,\ (8-(10-5))\ 8,\ (\text{mod}[8,\ 10]-5)\ 8,\ 8\times\frac{10}{5}+8,\ \frac{8\times 10}{5}+8,$$

$$8+\frac{10}{5}\ 8,\ 8+\frac{10}{\frac{5}{8}},\ 8\,\text{Log}\left[\frac{10}{5},\ 8\right],\ 8+10\times\frac{8}{5},\ 8+\frac{10\times 8}{5},\ \text{mod}[8,\ 10]\,\text{mod}[8,\ 5],$$

$$8\,\text{mod}[10+8,\ 5],\ \text{mod}[8,\ 10]\ (8-5),\ \text{Log}\left[\frac{10}{5},\ 8\right]\ 8,\ \frac{10}{5}\ 8+8,\ \frac{10}{\frac{5}{8}}+8,\ \text{Log}\left[\frac{10}{5},\ 8^8\right],$$

$$\text{mod}[10+8,\ 5]\ 8,\ 10\times\frac{8}{5}+8,\ \frac{10\times 8}{5}+8,\ \text{mod}[10,\ 8]^5-8,\ (10-8)^5-8\Big\}\Big\},$$

$$\{\{5,\ 8,\ 9,\ 9\},\ \{8\,\text{mod}[9+9,\ 5],\ \text{mod}[9+9,\ 5]\ 8\}\},$$

$$\Big\{\{5,\ 8,\ 9,\ 10\},\ \Big\{(\text{mod}[5,\ 8]+9)+10,\ \text{mod}[5,\ 8]+(9+10),\ (\text{mod}[5,\ 8]+10)+9,$$

$$\text{mod}[5,\ 8]+(10+9),\ 8\times 9^{\frac{5}{10}},\ 8\,\text{root}\left[9^5,\ 10\right],\ 8\,\text{root}[9,\ 10]^5,\ 8\,\text{root}\left[9,\ \frac{10}{5}\right],$$

$$(9+\text{mod}[5,\ 8])+10,\ 9+(\text{mod}[5,\ 8]+10),\ 9^{\frac{5}{10}}\ 8,\ \text{root}\left[9^5,\ 10\right]\ 8,\ \text{root}[9,\ 10]^5\ 8,$$

$$\text{root}\left[9,\ \frac{10}{5}\right]\ 8,\ (9+10)+\text{mod}[5,\ 8],\ 9+(10+\text{mod}[5,\ 8]),\ (10+\text{mod}[5,\ 8])+9,$$

$$10+(\text{mod}[5,\ 8]+9),\ (10+9)+\text{mod}[5,\ 8],\ 10+(9+\text{mod}[5,\ 8])\Big\}\Big\},$$

$$\{\{5,\ 8,\ 10,\ 10\},\ \{\}\},\ \{\{5,\ 9,\ 9,\ 9\},\ \{\}\},\ \{\{5,\ 9,\ 9,\ 10\},$$

$$\{(\text{mod}[5,\ 9]+9)+10,\ \text{mod}[5,\ 9]+(9+10),\ (\text{mod}[5,\ 9]+10)+9,\ \text{mod}[5,\ 9]+(10+9),$$

$$(9+\text{mod}[5,\ 9])+10,\ 9+(\text{mod}[5,\ 9]+10),\ (9+10)+\text{mod}[5,\ 9],\ 9+(10+\text{mod}[5,\ 9]),$$

$$(10+\text{mod}[5,\ 9])+9,\ 10+(\text{mod}[5,\ 9]+9),\ (10+9)+\text{mod}[5,\ 9],\ 10+(9+\text{mod}[5,\ 9])\}\},$$

$$\{\{5,\ 9,\ 10,\ 10\},\ \{(5+\text{mod}[9,\ 10])+10,\ 5+(\text{mod}[9,\ 10]+10),\ (\text{mod}[5,\ 10]+9)+10,$$

$$\text{mod}[5,\ 10]+(9+10),\ (5+10)+\text{mod}[9,\ 10],\ 5+(10+\text{mod}[9,\ 10]),\ (\text{mod}[5,\ 10]+10)+9,$$

$$\text{mod}[5,\ 10]+(10+9),\ (\text{mod}[9,\ 5]+10)+10,\ ((9-5)+10)+10,\ (9+\text{mod}[5,\ 10])+10,$$

$$(9-(5-10))+10,\ \text{mod}[9,\ 5]+(10+10),\ (9-5)+(10+10),\ 9+(\text{mod}[5,\ 10]+10),$$

$$9-(5-(10+10)),\ 9-((5-10)-10),\ (\text{mod}[9,\ 10]+5)+10,\ (9+(10-5))+10,$$

$$((9+10)-5)+10,\ \text{mod}[9,\ 10]+(5+10),\ 9+((10-5)+10),\ (9+10)+\text{mod}[5,\ 10],$$

$$9+(10+\text{mod}[5,\ 10]),\ 9+(10-(5-10)),\ (9+10)-(5-10),\ (\text{mod}[9,\ 10]+10)+5,$$

$$\text{mod}[9,\ 10]+(10+5),\ (9+10)+(10-5),\ 9+(10+(10-5)),\ 9+((10+10)-5),$$

$$((9+10)+10)-5,\ (9+(10+10))-5,\ ((10-5)+9)+10,\ (10-(5-9))+10,$$

$$(10-5)+(9+10),\ (10+5)+\text{mod}[9,\ 10],\ 10+(5+\text{mod}[9,\ 10]),\ 10-(5-(9+10)),$$

$$10-((5-9)-10),\ ((10-5)+10)+9,\ (10+\text{mod}[5,\ 10])+9,\ (10-(5-10))+9,$$

$$(10-5)+(10+9),\ 10+(\text{mod}[5,\ 10]+9),\ 10-(5-(10+9)),\ 10-((5-10)-9),$$

$$(10+\text{mod}[9,\ 5])+10,\ (10+(9-5))+10,\ ((10+9)-5)+10,\ 10+(\text{mod}[9,\ 5]+10),$$

$$10+((9-5)+10),\ (10+9)+\text{mod}[5,\ 10],\ 10+(9+\text{mod}[5,\ 10]),\ 10+(9-(5-10)),$$

$$(10+9)-(5-10),\ (10+\text{mod}[9,\ 10])+5,\ 10+(\text{mod}[9,\ 10]+5),\ (10+9)+(10-5),$$

$$10+(9+(10-5)),\ 10+((9+10)-5),\ ((10+9)+10)-5,\ (10+(9+10))-5,$$

$$(10+(10-5))+9,\ ((10+10)-5)+9,\ 10+((10-5)+9),\ 10+(10-(5-9)),$$

$$(10+10)-(5-9),\ (10+10)+\text{mod}[9,\ 5],\ 10+(10+\text{mod}[9,\ 5]),\ (10+10)+(9-5),$$

$$10+(10+(9-5)),\ 10+((10+9)-5),\ ((10+10)+9)-5,\ (10+(10+9))-5\}\},$$

$$\{\{5,\ 10,\ 10,\ 10\},\ \{\}\},\ \{\{6,\ 6,\ 6,\ 6\},\ \{((6+6)+6)+6,\ (6+(6+6))+6,\ (6+6)+(6+6),$$

$$6+((6+6)+6),\ 6+(6+(6+6)),\ 6\times 6-(6+6),\ (6\times 6-6)-6\}\},\ \{\{6,\ 6,\ 6,\ 7\},\ \{\}\},$$

$$\Big\{\{6,\ 6,\ 6,\ 8\},\ \Big\{6\,\text{mod}[6\times 6,\ 8],\ 6\,\text{mod}[6+6,\ 8],\ 6\,(6+(6-8)),\ 6\,((6+6)-8),\ \text{mod}[6\times 6,\ 8]\ 6,$$

$$\text{mod}[6+6,\ 8]\ 6,\ (6+(6-8))\ 6,\ ((6+6)-8)\ 6,\ 6\,((6-8)+6),\ (6+6)\,\text{mod}[8,\ 6],$$

$$6\,(6-\text{mod}[8,\ 6]),\ 6\,(6-(8-6)),\ (6+6)\ (8-6),\ ((6-8)+6)\ 6,\ (6-\text{mod}[8,\ 6])\ 6,$$

$$(6-(8-6))\ 6,\ 6\,\text{mod}\left[8^6,\ 6\right],\ \text{mod}\left[8^6,\ 6\right]\ 6,\ \text{mod}[8,\ 6]\ (6+6),\ (8-6)\ (6+6)\Big\}\Big\},$$

$$\Big\{\{6,\ 6,\ 6,\ 9\},\ \Big\{(6\times 6)\ \frac{6}{9},\ 6\left(6\times\frac{6}{9}\right),\ 6\,\frac{6\times 6}{9},\ \frac{(6\times 6)\ 6}{9},\ \frac{6\ (6\times 6)}{9},\ 6-6\ (6-9),$$

$$\left(6 \times \frac{6}{9}\right) 6,\ \frac{6 \times 6}{9} 6,\ 6 \left(\frac{6}{9} 6\right),\ 6 \frac{6}{\frac{9}{6}},\ \frac{6 \times 6}{\frac{9}{6}},\ 6 + 6 \bmod[9, 6],\ 6 - (6 - 9) 6,$$

$$6 + 6 (9 - 6),\ \left(\frac{6}{9} 6\right) 6,\ \frac{6}{\frac{9}{6}} 6,\ \frac{6}{9} (6 \times 6),\ 6 \bmod[9, 6] + 6,\ 6 (9 - 6) + 6,$$

$$6 + \bmod[9, 6]\ 6,\ 6 + (9 - 6) 6,\ \frac{6}{\frac{9}{6 \times 6}},\ \frac{6}{\frac{9}{\frac{6}{6}}},\ \bmod[9, 6]\ 6 + 6,\ (9 - 6)\ 6 + 6\Big\}\Big\},$$

$$\Big\{\{6, 6, 6, 10\},\ \Big\{6 \bmod[6 + 10, 6],\ \bmod[6 + 10, 6]\ 6,\ 6 \bmod[10 + 6, 6],\ 6 \bmod[\bmod[10, 6], 6],$$
$$6 \bmod\left[10^6, 6\right],\ 6 \bmod[10 - 6, 6],\ 6 \times 10 - 6 \times 6,\ \bmod[10 + 6, 6]\ 6,$$
$$\bmod[\bmod[10, 6], 6]\ 6,\ \bmod\left[10^6, 6\right]\ 6,\ \bmod[10 - 6, 6]\ 6,\ 10 \times 6 - 6 \times 6\Big\}\Big\},$$
$$\{\{6, 6, 7, 7\}, \{\}\},\ \{\{6, 6, 7, 8\}, \{\}\},\ \{\{6, 6, 7, 9\},$$
$$\{6 \bmod[6 + 7, 9],\ 6 (6 + (7 - 9)),\ 6 ((6 + 7) - 9),\ 6 ((6 - 9) + 7),\ (6 + 6) \bmod[9, 7],$$
$$6 (6 - \bmod[9, 7]),\ 6 (6 - (9 - 7)),\ (6 + 6) (9 - 7),\ 6 \bmod[7 + 6, 9],\ 6 (7 + (6 - 9)),$$
$$6 ((7 + 6) - 9),\ \bmod[6 + 7, 9]\ 6,\ (6 + (7 - 9))\ 6,\ ((6 + 7) - 9)\ 6,\ 6 ((7 - 9) + 6),\ 6 \bmod[7 + 9, 6],$$
$$6 (7 - \bmod[9, 6]),\ 6 (7 - (9 - 6)),\ ((6 - 9) + 7)\ 6,\ (6 - \bmod[9, 7])\ 6,\ (6 - (9 - 7))\ 6,$$
$$6 \bmod[9 + 7, 6],\ \bmod[7 + 6, 9]\ 6,\ (7 + (6 - 9))\ 6,\ ((7 + 6) - 9)\ 6,\ ((7 - 9) + 6)\ 6,\ \bmod[7 + 9, 6]\ 6,$$
$$(7 - \bmod[9, 6])\ 6,\ (7 - (9 - 6))\ 6,\ \bmod[9 + 7, 6]\ 6,\ \bmod[9, 7]\ (6 + 6),\ (9 - 7)\ (6 + 6)\}\},$$
$$\Big\{\{6, 6, 7, 10\},\ \Big\{6 - 6 (7 - 10),\ 6 + 6 \bmod[10, 7],\ 6 \bmod[6 \times 10, 7],\ 6 + 6 (10 - 7),$$
$$\bmod[6, 7] \bmod[10, 6],\ 6 \bmod[7 \times 10, 6],\ 6 - (7 - 10)\ 6,\ \bmod[6, 7]\ (10 - 6),\ 6 \bmod[10, \bmod[6, 7]],$$
$$6 \bmod[10 \times 6, 7],\ 6 \bmod[\bmod[10, 6], 7],\ 6 \bmod[10 - 6, 7],\ 6 (10 - \bmod[6, 7]),$$
$$\bmod[6 \times 10, 7]\ 6,\ 6 \bmod[10, 7] + 6,\ 6 (10 - 7) + 6,\ 6 + \bmod[10, 7]\ 6,\ 6 + (10 - 7)\ 6,$$
$$6 \bmod[10 \times 7, 6],\ 6 \bmod\left[10^7, 6\right],\ \bmod[7 \times 10, 6]\ 6,\ \bmod[10, 6] \bmod[6, 7],\ (10 - 6) \bmod[6, 7],$$
$$\bmod[10, \bmod[6, 7]]\ 6,\ \bmod[10 \times 6, 7]\ 6,\ \bmod[\bmod[10, 6], 7]\ 6,\ \bmod[10 - 6, 7]\ 6,$$
$$(10 - \bmod[6, 7])\ 6,\ \bmod[10 \times 7, 6]\ 6,\ \bmod\left[10^7, 6\right]\ 6,\ \bmod[10, 7]\ 6 + 6,\ (10 - 7)\ 6 + 6\Big\}\Big\},$$

$$\Big\{\{6, 6, 8, 8\},\ \Big\{\frac{6}{\bmod[8, 6]} 8,\ \frac{6}{8 - 6} 8,\ \frac{6}{\frac{\bmod[8,6]}{8}},\ \frac{6}{\frac{8-6}{8}},\ 6 \frac{8}{\bmod[8, 6]},\ 6 \frac{8}{8 - 6},\ \frac{6 \times 8}{\bmod[8, 6]},$$

$$\frac{6 \times 8}{8 - 6},\ 6 \bmod[8 \times 8, 6],\ 6 \bmod[8 + 8, 6],\ 6 \bmod\left[8^8, 6\right],\ 8 \frac{6}{\bmod[8, 6]},\ 8 \frac{6}{8 - 6},\ \frac{8 \times 6}{\bmod[8, 6]},$$

$$\frac{8 \times 6}{8 - 6},\ \frac{8}{\bmod[8, 6]} 6,\ \frac{8}{8 - 6} 6,\ \bmod[8 \times 8, 6]\ 6,\ \bmod[8 + 8, 6]\ 6,\ \bmod\left[8^8, 6\right]\ 6,\ \frac{8}{\frac{\bmod[8,6]}{6}},\ \frac{8}{\frac{8-6}{6}}\Big\}\Big\},$$

$$\Big\{\{6, 6, 8, 9\},\ \Big\{6 - (6 - 8)\ 9,\ \bmod[6 + 6, 9]\ 8,\ (6 + (6 - 9))\ 8,\ ((6 + 6) - 9)\ 8,\ 6 + \bmod[8, 6]\ 9,$$

$$6 + (8 - 6)\ 9,\ 6 \times 8^{\frac{6}{9}},\ 6\ \text{root}\left[8^6, 9\right],\ 6\ \text{root}[8, 9]^6,\ ((6 - 9) + 6)\ 8,\ \bmod[6 + 9, 6]\ 8,$$
$$(6 - \bmod[9, 6])\ 8,\ (6 - (9 - 6))\ 8,\ 6 - 9 (6 - 8),\ 6 + 9 \bmod[8, 6],\ 6 + 9 (8 - 6),\ 8 \bmod[6 + 6, 9],$$
$$8 (6 + (6 - 9)),\ 8 ((6 + 6) - 9),\ 8^{\frac{6}{9}} 6,\ \text{root}\left[8^6, 9\right]\ 6,\ \bmod[8, 6]\ 9 + 6,\ (8 - 6)\ 9 + 6,$$
$$8 ((6 - 9) + 6),\ 8 \bmod[6 + 9, 6],\ 8 (6 - \bmod[9, 6]),\ 8 (6 - (9 - 6)),\ \text{root}[8, 9]^6\ 6,$$
$$8 \bmod[9 + 6, 6],\ 8 \bmod[\bmod[9, 6], 6],\ 8 \bmod\left[9^6, 6\right],\ 8 \bmod[9 - 6, 6],\ \bmod[9 + 6, 6]\ 8,$$
$$\bmod[\bmod[9, 6], 6]\ 8,\ \bmod\left[9^6, 6\right]\ 8,\ \bmod[9 - 6, 6]\ 8,\ 9 \bmod[8, 6] + 6,\ 9 (8 - 6) + 6\Big\}\Big\},$$

$$\Big\{\{6, 6, 8, 10\},\ \Big\{6 \bmod[6 + 8, 10],\ 6 (6 + (8 - 10)),\ 6 ((6 + 8) - 10),\ 6 ((6 - 10) + 8),$$
$$(6 + 6) \bmod[10, 8],\ 6 \bmod[6 \times 10, 8],\ 6 (6 - \bmod[10, 8]),\ 6 (6 - (10 - 8)),\ (6 + 6) (10 - 8),$$
$$6 \bmod[8 + 6, 10],\ 6 \bmod\left[8^6, 10\right],\ 6 (8 + (6 - 10)),\ 6 ((8 + 6) - 10),\ \bmod[6 + 8, 10]\ 6,$$
$$(6 + (8 - 10))\ 6,\ ((6 + 8) - 10)\ 6,\ 6 ((8 - 10) + 6),\ \bmod[6, 8] \bmod[10, 6],\ 6 \bmod\left[8^{10}, 6\right],$$
$$6 (8 - \bmod[10, 6]),\ 6 (8 - (10 - 6)),\ \bmod[6, 8]\ (10 - 6),\ 6 \bmod[10, \bmod[6, 8]],$$
$$6 \bmod[10 \times 6, 8],\ 6 \bmod[\bmod[10, 6], 8],\ 6 \bmod[10 - 6, 8],\ 6 (10 - \bmod[6, 8]),$$
$$((6 - 10) + 8)\ 6,\ \bmod[6 \times 10, 8]\ 6,\ (6 - \bmod[10, 8])\ 6,\ (6 - (10 - 8))\ 6,\ 6 \bmod\left[10^8, 6\right],$$
$$\bmod[8 + 6, 10]\ 6,\ \bmod\left[8^6, 10\right]\ 6,\ (8 + (6 - 10))\ 6,\ ((8 + 6) - 10)\ 6,\ ((8 - 10) + 6)\ 6,$$
$$\bmod\left[8^{10}, 6\right]\ 6,\ (8 - \bmod[10, 6])\ 6,\ (8 - (10 - 6))\ 6,\ \bmod[10, 6] \bmod[6, 8],$$
$$(10 - 6) \bmod[6, 8],\ \bmod[10, \bmod[6, 8]]\ 6,\ \bmod[10 \times 6, 8]\ 6,\ \bmod[\bmod[10, 6], 8]\ 6,$$

$$\text{mod}[10-6,8]\,6,\ (10-\text{mod}[6,8])\,6,\ \text{mod}\left[10^8,6\right]\,6,\ \text{mod}[10,8]\,(6+6),\ (10-8)\,(6+6)\Big\}\Big\},$$

$$\left\{\{6,6,9,9\},\ \left\{\frac{6^{\text{mod}[9,6]}}{9},\ \frac{6^{9-6}}{9}\right\}\right\},\ \left\{\{6,6,9,10\},\right.$$

$$\Big\{6\,\text{mod}[6\times 9,10],\ 6\,\text{mod}[9\times 6,10],\ \text{mod}[6\times 9,10]\,6,\ \text{mod}[6,9]\,\text{mod}[10,6],$$

$$\text{mod}[6,9]\,(10-6),\ \frac{6+10}{6}\,9,\ \frac{6+10}{\frac{6}{9}},\ 6\,\text{mod}[10,\text{mod}[6,9]],\ 6\,\text{mod}[\text{mod}[10,6],9],$$

$$6\,\text{mod}[10-6,9],\ 6\,(10-\text{mod}[6,9]),\ (6+10)\,\frac{9}{6},\ \frac{(6+10)\,9}{6},\ 6\,\text{mod}\left[10^9,6\right],\ \frac{9}{6}\,(6+10),$$

$$\frac{9}{\frac{6}{6+10}},\ \text{mod}[9\times 6,10]\,6,\ \frac{9}{6}\,(10+6),\ \frac{9}{\frac{6}{10+6}},\ 9\,\frac{6+10}{6},\ \frac{9\,(6+10)}{6},\ \text{mod}[9,6]\,10-6,$$

$$(9-6)\,10-6,\ 9\,\frac{10+6}{6},\ \frac{9\,(10+6)}{6},\ \frac{10+6}{6}\,9,\ \frac{10+6}{\frac{6}{9}},\ \text{mod}[10,6]\,\text{mod}[6,9],$$

$$(10-6)\,\text{mod}[6,9],\ \text{mod}[10,\text{mod}[6,9]]\,6,\ \text{mod}[\text{mod}[10,6],9]\,6,\ \text{mod}[10-6,9]\,6,$$

$$(10-\text{mod}[6,9])\,6,\ (10+6)\,\frac{9}{6},\ \frac{(10+6)\,9}{6},\ \text{mod}\left[10^9,6\right]\,6,\ 10\,\text{mod}[9,6]-6,\ 10\,(9-6)-6\Big\}\Big\},$$

$$\Big\{\{6,6,10,10\},\ \Big\{6\,\text{mod}[10,\text{mod}[6,10]],\ 6\,\text{mod}[\text{mod}[10,6],10],\ 6\,\text{mod}[10-6,10],$$

$$6\,(10-\text{mod}[6,10]),\ \text{mod}[6,10]\,\text{mod}[10,6],\ 6\,\text{mod}[10\times 10,6],\ 6\,\text{mod}\left[10^{10},6\right],$$

$$\text{mod}[6,10]\,(10-6),\ \text{mod}[10,6]\,\text{mod}[6,10],\ (10-6)\,\text{mod}[6,10],$$

$$\text{mod}[10,\text{mod}[6,10]]\,6,\ \text{mod}[\text{mod}[10,6],10]\,6,\ \text{mod}[10-6,10]\,6,$$

$$(10-\text{mod}[6,10])\,6,\ \text{mod}[10\times 10,6]\,6,\ \text{mod}\left[10^{10},6\right]\,6\Big\}\Big\},\ \{\{6,7,7,7\},\ \{\}\},$$

$$\{\{6,7,7,8\},\ \{\}\},\ \{\{6,7,7,9\},\ \{6\,\text{mod}[7\times 7,9],\ \text{mod}[7\times 7,9]\,6\}\},$$

$$\{\{6,7,7,10\},\ \{6\,\text{mod}[7+7,10],\ 6\,(7+(7-10)),\ 6\,((7+7)-10),\ 6\,((7-10)+7),$$

$$6\,(7-\text{mod}[10,7]),\ 6\,(7-(10-7)),\ \text{mod}[7+7,10]\,6,\ (7+(7-10))\,6,$$

$$((7+7)-10)\,6,\ ((7-10)+7)\,6,\ (7-\text{mod}[10,7])\,6,\ (7-(10-7))\,6\}\},$$

$$\{\{6,7,8,8\},\ \{\text{mod}[7+8,6]\,8,\ \text{mod}[8+7,6]\,8,\ 8\,\text{mod}[7+8,6],\ 8\,\text{mod}[8+7,6]\}\},$$

$$\Big\{\{6,7,8,9\},\ \Big\{6\,\text{mod}\left[7^8,9\right],\ 6\,\frac{8}{\text{mod}[9,7]},\ 6\,\frac{8}{9-7},\ \frac{6\times 8}{\text{mod}[9,7]},\ \frac{6\times 8}{9-7},$$

$$\frac{6}{\text{mod}[9,7]}\,8,\ \frac{6}{9-7}\,8,\ \frac{6}{\frac{\text{mod}[9,7]}{8}},\ \frac{6}{\frac{9-7}{8}},\ 6\,\text{mod}\left[9^8,7\right],\ \text{mod}\left[7^8,9\right]\,6,\ \text{mod}[7\times 9,6]\,8,$$

$$8\,\frac{6}{\text{mod}[9,7]},\ 8\,\frac{6}{9-7},\ \frac{8\times 6}{\text{mod}[9,7]},\ \frac{8\times 6}{9-7},\ 8\,\text{mod}[7\times 9,6],\ 8\,\text{mod}[9,\text{mod}[6,7]],$$

$$8\,\text{mod}[\text{mod}[9,6],7],\ 8\,\text{mod}[9-6,7],\ 8\,(9-\text{mod}[6,7]),\ \frac{8}{\text{mod}[9,7]}\,6,\ \frac{8}{9-7}\,6,\ \frac{8}{\frac{\text{mod}[9,7]}{6}},$$

$$\frac{8}{\frac{9-7}{6}},\ 8\,\text{mod}[9\times 7,6],\ 8\,\text{mod}\left[9^7,6\right],\ \text{mod}[9,\text{mod}[6,7]]\,8,\ \text{mod}[\text{mod}[9,6],7]\,8,$$

$$\text{mod}[9-6,7]\,8,\ (9-\text{mod}[6,7])\,8,\ \text{mod}[9\times 7,6]\,8,\ \text{mod}\left[9^7,6\right]\,8,\ \text{mod}\left[9^8,7\right]\,6\Big\}\Big\},$$

$$\{\{6,7,8,10\},\ \{(\text{mod}[6,7]+8)+10,\ \text{mod}[6,7]+(8+10),\ 6\times 7-(8+10),\ (6\times 7-8)-10,$$

$$\text{mod}[6+7,10]\,8,\ (6+(7-10))\,8,\ ((6+7)-10)\,8,\ (\text{mod}[6,7]+10)+8,\ \text{mod}[6,7]+(10+8),$$

$$6\times 7-(10+8),\ (6\times 7-10)-8,\ 6\,\text{mod}[8+10,7],\ ((6-10)+7)\,8,\ (6-\text{mod}[10,7])\,8,$$

$$(6-(10-7))\,8,\ 6\,\text{mod}[10+8,7],\ 7\times 6-(8+10),\ (7\times 6-8)-10,\ \text{mod}[7+6,10]\,8,$$

$$(7+(6-10))\,8,\ ((7+6)-10)\,8,\ 7\times 6-(10+8),\ (7\times 6-10)-8,\ 7\,\text{mod}[8,6]+10,$$

$$7\,(8-6)+10,\ ((7-10)+6)\,8,\ \text{mod}[7,\text{mod}[10,6]]\,8,\ \text{mod}[7,10-6]\,8,\ (7-\text{mod}[10,6])\,8,$$

$$(7-(10-6))\,8,\ \text{mod}[8,6]\,7+10,\ (8-6)\,7+10,\ (8+\text{mod}[6,7])+10,\ 8+(\text{mod}[6,7]+10),$$

$$8\,\text{mod}[6+7,10],\ 8\,(6+(7-10)),\ 8\,((6+7)-10),\ 8\,((6-10)+7),\ 8\,(6-\text{mod}[10,7]),$$

$$8\,(6-(10-7)),\ 8\,\text{mod}[7+6,10],\ 8\,(7+(6-10)),\ 8\,((7+6)-10),\ 8\,((7-10)+6),$$

$$8\,\text{mod}[7,\text{mod}[10,6]],\ 8\,\text{mod}[7,10-6],\ 8\,(7-\text{mod}[10,6]),\ 8\,(7-(10-6)),$$

$$(8+10)+\text{mod}[6,7],\ 8+(10+\text{mod}[6,7]),\ \text{mod}[8+10,7]\,6,\ 8\,\text{mod}[\text{mod}[10,7],6],$$

$$8\,\mathrm{mod}[10-7,\,6],\ (10+\mathrm{mod}[6,\,7])+8,\ 10+(\mathrm{mod}[6,\,7]+8),\ 10-(6-8)\,7,$$
$$\mathrm{mod}[\mathrm{mod}[10,\,7],\,6]\,8,\ \mathrm{mod}[10-7,\,6]\,8,\ 10-7\,(6-8),\ 10+7\,\mathrm{mod}[8,\,6],\ 10+7\,(8-6),$$
$$10+\mathrm{mod}[8,\,6]\,7,\ 10+(8-6)\,7,\ (10+8)+\mathrm{mod}[6,\,7],\ 10+(8+\mathrm{mod}[6,\,7]),\ \mathrm{mod}[10+8,\,7]\,6\}\},$$

$$\left\{\{6,\,7,\,9,\,9\},\ \left\{(\mathrm{mod}[6,\,7]+9)+9,\ \mathrm{mod}[6,\,7]+(9+9),\ 6-(7-9)\,9,\ 6\times 7-(9+9),\ (6\times 7-9)-9,\right.\right.$$
$$6+\mathrm{mod}[9,\,7]\,9,\ 6+(9-7)\,9,\ 6-9\,(7-9),\ 6+9\,\mathrm{mod}[9,\,7],\ 6\,\mathrm{mod}[9\times 9,\,7],\ 6\,\mathrm{mod}[9+9,\,7],$$
$$6+9\,(9-7),\ 7\times 6-(9+9),\ (7\times 6-9)-9,\ \frac{7+9}{6}\,9,\ \frac{7+9}{\frac{6}{9}},\ (7+9)\,\frac{9}{6},\ \frac{(7+9)\,9}{6},\ \frac{9}{6}\,(7+9),$$
$$(9+\mathrm{mod}[6,\,7])+9,\ 9+(\mathrm{mod}[6,\,7]+9),\ \frac{9}{\frac{6}{7+9}},\ \frac{9}{6}\,(9+7),\ \frac{9}{\frac{6}{9+7}},\ \frac{9+7}{6}\,9,\ \frac{9+7}{\frac{6}{9}},\ \mathrm{mod}[9,\,7]\,9+6,$$
$$(9-7)\,9+6,\ (9+7)\,\frac{9}{6},\ \frac{(9+7)\,9}{6},\ 9\,\frac{7+9}{6},\ \frac{9\,(7+9)}{6},\ (9+9)+\mathrm{mod}[6,\,7],\ 9+(9+\mathrm{mod}[6,\,7]),$$
$$\left.\left.\mathrm{mod}[9\times 9,\,7]\,6,\ \mathrm{mod}[9+9,\,7]\,6,\ 9\,\mathrm{mod}[9,\,7]+6,\ 9\,(9-7)+6,\ 9\,\frac{9+7}{6},\ \frac{9\,(9+7)}{6}\right\}\right\},$$

$$\left\{\{6,\,7,\,9,\,10\},\ \left\{\frac{6^{\mathrm{mod}[10,7]}}{9},\ \frac{6^{10-7}}{9}\right\}\right\},\ \left\{\{6,\,7,\,10,\,10\},\ \left\{6\,\mathrm{mod}\left[10^{10},\,7\right],\ \mathrm{mod}[10,\,7]\,10-6,\right.\right.$$
$$\left.\left.(10-7)\,10-6,\ \mathrm{mod}\left[10^{10},\,7\right]\,6,\ 10\,\mathrm{mod}[10,\,7]-6,\ 10\,(10-7)-6\right\}\right\},$$

$$\left\{\{6,\,8,\,8,\,8\},\ \left\{\mathrm{Log}[\mathrm{mod}[8,\,6],\,8]\,8,\ \mathrm{Log}[8-6,\,8]\,8,\ \mathrm{mod}[8,\,6]\,8+8,\ (8-6)\,8+8,\right.\right.$$
$$\mathrm{root}[8,\,6]^8+8,\ \mathrm{Log}\left[\mathrm{mod}[8,\,6],\,8^8\right],\ \mathrm{Log}\left[8-6,\,8^8\right],\ 8-(6-8)\,8,\ 8\,\mathrm{mod}[8,\,6]+8,$$
$$8^{\frac{8}{6}}+8,\ \mathrm{root}\left[8^8,\,6\right]+8,\ 8\,(8-6)+8,\ 8+\mathrm{mod}[8,\,6]\,8,\ 8+(8-6)\,8,\ 8\,\mathrm{Log}[\mathrm{mod}[8,\,6],\,8],$$
$$8\,\mathrm{Log}[8-6,\,8],\ 8+\mathrm{root}[8,\,6]^8,\ 8-8\,(6-8),\ \frac{8}{\mathrm{Log}[8,\,\mathrm{mod}[8,\,6]]},$$
$$\left.\left.\frac{8}{\mathrm{Log}[8,\,8-6]},\ 8+8\,\mathrm{mod}[8,\,6],\ 8+8^{\frac{8}{6}},\ 8+\mathrm{root}\left[8^8,\,6\right],\ 8+8\,(8-6)\right\}\right\},$$

$$\left\{\{6,\,8,\,8,\,9\},\ \left\{\mathrm{mod}[6\times 8,\,9]\,8,\ 8\,\mathrm{mod}[6\times 8,\,9],\ \mathrm{mod}[8\times 6,\,9]\,8,\ \frac{8+8}{6}\,9,\ \frac{8+8}{\frac{6}{9}},\right.\right.$$
$$8\,\mathrm{mod}[8\times 6,\,9],\ (8+8)\,\frac{9}{6},\ \frac{(8+8)\,9}{6},\ \frac{8}{\mathrm{root}[9,\,6-8]},\ 8\,\mathrm{mod}[9,\,\mathrm{mod}[6,\,8]],$$
$$8\,\mathrm{mod}[\mathrm{mod}[9,\,6],\,8],\ 8\,\mathrm{mod}[9-6,\,8],\ 8\,(9-\mathrm{mod}[6,\,8]),\ 8\times 9-6\times 8,\ 8\,\mathrm{mod}\left[9^8,\,6\right],$$
$$8\,\mathrm{root}[9,\,\mathrm{mod}[8,\,6]],\ 8\,\mathrm{root}[9,\,8-6],\ 8\times 9-8\times 6,\ \mathrm{mod}[9,\,\mathrm{mod}[6,\,8]]\,8,$$
$$\mathrm{mod}[\mathrm{mod}[9,\,6],\,8]\,8,\ \mathrm{mod}[9-6,\,8]\,8,\ (9-\mathrm{mod}[6,\,8])\,8,\ \frac{9}{6}\,(8+8),\ \frac{9}{\frac{6}{8+8}},\ \mathrm{mod}\left[9^8,\,6\right]\,8,$$
$$\left.\left.\mathrm{root}[9,\,\mathrm{mod}[8,\,6]]\,8,\ \mathrm{root}[9,\,8-6]\,8,\ 9\times 8-6\times 8,\ 9\,\frac{8+8}{6},\ \frac{9\,(8+8)}{6},\ 9\times 8-8\times 6\right\}\right\},$$

$$\left\{\{6,\,8,\,8,\,10\},\ \left\{(\mathrm{mod}[6,\,8]+8)+10,\ \mathrm{mod}[6,\,8]+(8+10),\ 6\,\mathrm{mod}[8\times 8,\,10],\right.\right.$$
$$(\mathrm{mod}[6,\,8]+10)+8,\ \mathrm{mod}[6,\,8]+(10+8),\ 6\,\frac{8}{\mathrm{mod}[10,\,8]},\ 6\,\frac{8}{10-8},\ \frac{6\times 8}{\mathrm{mod}[10,\,8]},$$
$$\frac{6\times 8}{10-8},\ \frac{6}{\mathrm{mod}[10,\,8]}\,8,\ \frac{6}{10-8}\,8,\ \frac{6}{\frac{\mathrm{mod}[10,8]}{8}},\ \frac{6}{\frac{10-8}{8}},\ \frac{8}{6}\,(8+10),\ (8+\mathrm{mod}[6,\,8])+10,$$
$$8+(\mathrm{mod}[6,\,8]+10),\ \frac{8}{\frac{6}{8+10}},\ \frac{8}{6}\,(10+8),\ 8\,\frac{6}{\mathrm{mod}[10,\,8]},\ 8\,\frac{6}{10-8},\ \frac{8}{\frac{6}{10+8}},\ \frac{8\times 6}{\mathrm{mod}[10,\,8]},$$
$$\frac{8\times 6}{10-8},\ \mathrm{root}[8,\,6]^{10}-8,\ \mathrm{mod}[8\times 8,\,10]\,6,\ 8\,\frac{8+10}{6},\ \frac{8\,(8+10)}{6},\ \frac{8+10}{6}\,8,\ \frac{8+10}{\frac{6}{8}},$$

$$(8+10)+\text{mod}[6,8],\ 8+(10+\text{mod}[6,8]),\ 8\,\text{mod}[10,6]-8,\ 8^{\frac{10}{6}}-8,\ \text{root}\left[8^{10},6\right]-8,$$
$$8\,(10-6)-8,\ \frac{8}{\text{mod}[10,8]}\,6,\ \frac{8}{10-8}\,6,\ (8+10)\,\frac{8}{6},\ \frac{8}{\frac{\text{mod}[10,8]}{6}},\ \frac{8}{\frac{10-8}{6}},\ \frac{(8+10)\,8}{6},\ 8\,\frac{10+8}{6},$$
$$\frac{8\,(10+8)}{6},\ (10+\text{mod}[6,8])+8,\ 10+(\text{mod}[6,8]+8),\ \text{mod}[10,6]\,8-8,\ (10-6)\,8-8,$$
$$\frac{10+8}{6}\,8,\ \frac{10+8}{\frac{6}{8}},\ (10+8)+\text{mod}[6,8],\ 10+(8+\text{mod}[6,8]),\ (10+8)\,\frac{8}{6},\ \frac{(10+8)\,8}{6}\Big\}\Big\},$$

$$\Big\{\{6,8,9,9\},\ \Big\{(\text{mod}[6,8]+9)+9,\ \text{mod}[6,8]+(9+9),\ \frac{8}{6}\,(9+9),\ \frac{8}{\frac{6}{9+9}},\ \frac{8}{\text{mod}[9,6]}\,9,$$
$$\frac{8}{9-6}\,9,\ \frac{8}{\frac{\text{mod}[9,6]}{9}},\ \frac{8}{\frac{9-6}{9}},\ 8\,\text{mod}[9,\text{mod}[6,9]],\ 8\,\text{mod}[\text{mod}[9,6],9],\ 8\,\text{mod}[9-6,9],$$
$$8\,(9-\text{mod}[6,9]),\ 8\,\frac{9}{\text{mod}[9,6]},\ 8\,\frac{9}{9-6},\ \frac{8\times 9}{\text{mod}[9,6]},\ \frac{8\times 9}{9-6},\ 8\,\frac{9+9}{6},\ \frac{8\,(9+9)}{6},$$
$$\text{mod}[8,9]\,\text{mod}[9,6],\ 8\,\text{mod}[9\times 9,6],\ 8\,\text{mod}\left[9^9,6\right],\ \text{mod}[8,9]\,(9-6),\ (9+\text{mod}[6,8])+9,$$
$$9+(\text{mod}[6,8]+9),\ \text{mod}[9,6]\,\text{mod}[8,9],\ (9-6)\,\text{mod}[8,9],\ \text{mod}[9,\text{mod}[6,9]]\,8,$$
$$\text{mod}[\text{mod}[9,6],9]\,8,\ \text{mod}[9-6,9]\,8,\ (9-\text{mod}[6,9])\,8,\ 9\,\frac{8}{\text{mod}[9,6]},\ 9\,\frac{8}{9-6},$$
$$\frac{9\times 8}{\text{mod}[9,6]},\ \frac{9\times 8}{9-6},\ \frac{9}{\text{mod}[9,6]}\,8,\ \frac{9}{9-6}\,8,\ \frac{9+9}{6}\,8,\ \text{mod}[9\times 9,6]\,8,\ \text{mod}\left[9^9,6\right]\,8,$$
$$\frac{9}{\frac{\text{mod}[9,6]}{8}},\ \frac{9}{\frac{9-6}{8}},\ \frac{9+9}{\frac{6}{8}},\ (9+9)+\text{mod}[6,8],\ 9+(9+\text{mod}[6,8]),\ (9+9)\,\frac{8}{6},\ \frac{(9+9)\,8}{6}\Big\}\Big\},$$

$$\Big\{\{6,8,9,10\},\ \Big\{(6+\text{mod}[8,9])+10,\ 6+(\text{mod}[8,9]+10),\ 6-(8-10)\,9,\ (\text{mod}[6,9]+8)+10,$$
$$\text{mod}[6,9]+(8+10),\ 6-9\,(8-10),\ (\text{mod}[6,9]+10)+8,\ \text{mod}[6,9]+(10+8),\ 6+9\,\text{mod}[10,8],$$
$$6+9\,(10-8),\ 6+\text{mod}[10,8]\,9,\ 6+(10-8)\,9,\ (6+10)+\text{mod}[8,9],\ 6+(10+\text{mod}[8,9]),$$
$$(8+\text{mod}[6,9])+10,\ 8+(\text{mod}[6,9]+10),\ (\text{mod}[8,9]+6)+10,\ \text{mod}[8,9]+(6+10),$$
$$8\,\text{mod}[9,\text{mod}[6,10]],\ 8\,\text{mod}[\text{mod}[9,6],10],\ 8\,\text{mod}[9-6,10],\ 8\,(9-\text{mod}[6,10]),$$
$$(\text{mod}[8,9]+10)+6,\ \text{mod}[8,9]+(10+6),\ 8\,\text{mod}[\text{mod}[9,10],6],\ 8\,\text{mod}\left[9^{10},6\right],$$
$$8\,(\text{mod}[9,10]-6),\ (8+10)+\text{mod}[6,9],\ 8+(10+\text{mod}[6,9]),\ \text{mod}[8,10]\,\text{mod}[9,6],$$
$$\text{mod}[8,10]\,(9-6),\ \text{mod}[9,6]\,\text{mod}[8,10],\ (9-6)\,\text{mod}[8,10],\ \text{mod}[9,\text{mod}[6,10]]\,8,$$
$$\text{mod}[\text{mod}[9,6],10]\,8,\ \text{mod}[9-6,10]\,8,\ (9-\text{mod}[6,10])\,8,\ \text{mod}[\text{mod}[9,10],6]\,8,$$
$$\text{mod}\left[9^{10},6\right]\,8,\ (\text{mod}[9,10]-6)\,8,\ 9\,\text{mod}[10,8]+6,\ 9\,(10-8)+6,\ (10+6)+\text{mod}[8,9],$$
$$10+(6+\text{mod}[8,9]),\ (10+\text{mod}[6,9])+8,\ 10+(\text{mod}[6,9]+8),\ (10+8)+\text{mod}[6,9],$$
$$10+(8+\text{mod}[6,9]),\ \text{mod}[10,8]\,9+6,\ (10-8)\,9+6,\ (10+\text{mod}[8,9])+6,\ 10+(\text{mod}[8,9]+6)\Big\}\Big\},$$

$$\Big\{\{6,8,10,10\},\ \Big\{(6+\text{mod}[8,10])+10,\ 6+(\text{mod}[8,10]+10),\ 6\,\text{mod}\left[8^{10},10\right],$$
$$(\text{mod}[6,10]+8)+10,\ \text{mod}[6,10]+(8+10),\ (6+10)+\text{mod}[8,10],$$
$$6+(10+\text{mod}[8,10]),\ (\text{mod}[6,10]+10)+8,\ \text{mod}[6,10]+(10+8),\ 6\,\text{mod}[10\times 10,8],$$
$$6\,\text{mod}[10+10,8],\ (8+\text{mod}[6,10])+10,\ 8+(\text{mod}[6,10]+10),\ (\text{mod}[8,10]+6)+10,$$
$$\text{mod}[8,10]+(6+10),\ (8+10)+\text{mod}[6,10],\ 8+(10+\text{mod}[6,10]),\ \text{mod}\left[8^{10},10\right]\,6,$$
$$(\text{mod}[8,10]+10)+6,\ \text{mod}[8,10]+(10+6),\ (10+6)+\text{mod}[8,10],\ 10+(6+\text{mod}[8,10]),$$
$$(10+\text{mod}[6,10])+8,\ 10+(\text{mod}[6,10]+8),\ (10+8)+\text{mod}[6,10],\ 10+(8+\text{mod}[6,10]),$$
$$(10+\text{mod}[8,10])+6,\ 10+(\text{mod}[8,10]+6),\ \text{mod}[10\times 10,8]\,6,\ \text{mod}[10+10,8]\,6\Big\}\Big\},$$

$$\{\{6,9,9,9\},\ \{(\text{mod}[6,9]+9)+9,\ \text{mod}[6,9]+(9+9),\ (9+\text{mod}[6,9])+9,$$
$$9+(\text{mod}[6,9]+9),\ (9+9)+\text{mod}[6,9],\ 9+(9+\text{mod}[6,9])\}\},$$

$$\Big\{\{6,9,9,10\},\ \Big\{(6+9)+\text{mod}[9,10],\ 6+(9+\text{mod}[9,10]),\ (6+\text{mod}[9,10])+9,$$
$$6+(\text{mod}[9,10]+9),\ (\text{mod}[6,10]+9)+9,\ \text{mod}[6,10]+(9+9),\ (9+6)+\text{mod}[9,10],$$

$$9+(6+\text{mod}[9,10]),\ \frac{9}{6}10+9,\ \frac{9}{\frac{6}{10}}+9,\ (9+\text{mod}[6,10])+9,\ 9+(\text{mod}[6,10]+9),$$

$$9+\frac{9}{6}10,\ 9+\frac{9}{\frac{6}{10}},\ (9+9)+\text{mod}[6,10],\ 9+(9+\text{mod}[6,10]),\ (9+\text{mod}[9,10])+6,$$

$$9+(\text{mod}[9,10]+6),\ 9+9\times\frac{10}{6},\ 9+\frac{9\times10}{6},\ (\text{mod}[9,10]+6)+9,\ 9\times\frac{10}{6}+9,$$

$$\frac{9\times10}{6}+9,\ 9+\frac{10}{6}9,\ \text{mod}[9,10]+(6+9),\ 9+\frac{10}{\frac{6}{9}},\ (\text{mod}[9,10]+9)+6,$$

$$\text{mod}[9,10]+(9+6),\ 9+10\times\frac{9}{6},\ 9+\frac{10\times9}{6},\ \frac{10}{6}9+9,\ \frac{10}{\frac{6}{9}}+9,\ 10\times\frac{9}{6}+9,\ \frac{10\times9}{6}+9\Big\}\Big\},$$

$$\{\{6,9,10,10\},\{\}\},\ \{\{6,10,10,10\},\{(\text{mod}[10,6]+10)+10,\ ((10-6)+10)+10,$$
$$(10-(6-10))+10,\ \text{mod}[10,6]+(10+10),\ (10-6)+(10+10),\ 10-(6-(10+10)),$$
$$10-((6-10)-10),\ (10+\text{mod}[10,6])+10,\ (10+(10-6))+10,\ ((10+10)-6)+10,$$
$$10+(\text{mod}[10,6]+10),\ 10+((10-6)+10),\ 10+(10-(6-10)),\ (10+10)-(6-10),$$
$$(10+10)+\text{mod}[10,6],\ 10+(10+\text{mod}[10,6]),\ (10+10)+(10-6),$$
$$10+(10+(10-6)),\ 10+((10+10)-6),\ ((10+10)+10)-6,\ (10+(10+10))-6\}\},$$
$$\{\{7,7,7,7\},\{\}\},\ \{\{7,7,7,8\},\{\}\},\ \{\{7,7,7,9\},\{\}\},$$
$$\{\{7,7,7,10\},\{\}\},$$
$$\{\{7,7,8,8\},\{\}\},$$
$$\{\{7,7,8,9\},\{\}\},$$
$$\Big\{\{7,7,8,10\},\Big\{(7+\text{mod}[7,8])+10,\ 7+(\text{mod}[7,8]+10),\ \text{mod}\left[7^7,10\right]8,\ (\text{mod}[7,8]+7)+10,$$
$$\text{mod}[7,8]+(7+10),\ (\text{mod}[7,8]+10)+7,\ \text{mod}[7,8]+(10+7),\ \text{mod}[7+10,7]\,8,$$
$$(7+10)+\text{mod}[7,8],\ 7+(10+\text{mod}[7,8]),\ 8\,\text{mod}\left[7^7,10\right],\ 8\,\text{mod}[7+10,7],$$
$$8\,\text{mod}[10+7,7],\ 8\,\text{mod}[\text{mod}[10,7],7],\ 8\,\text{mod}\left[10^7,7\right],\ 8\,\text{mod}[10-7,7],\ \text{mod}[10+7,7]\,8,$$
$$\text{mod}[\text{mod}[10,7],7]\,8,\ \text{mod}\left[10^7,7\right]8,\ \text{mod}[10-7,7]\,8,\ (10+7)+\text{mod}[7,8],$$
$$10+(7+\text{mod}[7,8]),\ (10+\text{mod}[7,8])+7,\ 10+(\text{mod}[7,8]+7)\Big\}\Big\},\ \{\{7,7,9,9\},\{\}\},$$
$$\{\{7,7,9,10\},\{(7+\text{mod}[7,9])+10,\ 7+(\text{mod}[7,9]+10),\ (\text{mod}[7,9]+7)+10,$$
$$7\,\text{mod}[9,7]+10,\ 7\,(9-7)+10,\ \text{mod}[7,9]+(7+10),\ (\text{mod}[7,9]+10)+7,\ \text{mod}[7,9]+(10+7),$$
$$(7+10)+\text{mod}[7,9],\ 7+(10+\text{mod}[7,9]),\ \text{mod}[9,7]\,7+10,\ (9-7)\,7+10,\ (10+7)+\text{mod}[7,9],$$
$$10+(7+\text{mod}[7,9]),\ 10-7\,(7-9),\ (10+\text{mod}[7,9])+7,\ 10+(\text{mod}[7,9]+7),$$
$$10+7\,\text{mod}[9,7],\ 10+7\,(9-7),\ 10-(7-9)\,7,\ 10+\text{mod}[9,7]\,7,\ 10+(9-7)\,7\}\},$$
$$\{\{7,7,10,10\},\{(7+\text{mod}[7,10])+10,\ 7+(\text{mod}[7,10]+10),\ (\text{mod}[7,10]+7)+10,$$
$$\text{mod}[7,10]+(7+10),\ (7+10)+\text{mod}[7,10],\ 7+(10+\text{mod}[7,10]),$$
$$(\text{mod}[7,10]+10)+7,\ \text{mod}[7,10]+(10+7),\ (10+7)+\text{mod}[7,10],\ 10+(7+\text{mod}[7,10]),$$
$$(10+\text{mod}[7,10])+7,\ 10+(\text{mod}[7,10]+7)\}\},\ \{\{7,8,8,8\},\{\}\},$$
$$\Big\{\{7,8,8,9\},\Big\{(\text{mod}[7,8]+8)+9,\ \text{mod}[7,8]+(8+9),\ (\text{mod}[7,8]+9)+8,\ \text{mod}[7,8]+(9+8),$$
$$(8+\text{mod}[7,8])+9,\ 8+(\text{mod}[7,8]+9),\ 8-(7-9)\,8,\ 8-8\,(7-9),\ \frac{8}{\text{Log}[8,\text{mod}[9,7]]},$$
$$\frac{8}{\text{Log}[8,9-7]},\ 8+8\,\text{mod}[9,7],\ 8\,\text{mod}[8+9,7],\ 8+8\,(9-7),\ \text{mod}[8+9,7]\,8,\ 8\,\text{mod}[9,7]+8,$$
$$8\,(9-7)+8,\ 8+\text{mod}[9,7]\,8,\ 8+(9-7)\,8,\ 8\,\text{Log}[\text{mod}[9,7],8],\ 8\,\text{Log}[9-7,8],$$
$$(8+9)+\text{mod}[7,8],\ 8+(9+\text{mod}[7,8]),\ 8\,\text{mod}[9+8,7],\ \text{Log}[\text{mod}[9,7],8]\,8,$$
$$\text{Log}[9-7,8]\,8,\ \text{mod}[9,7]\,8+8,\ (9-7)\,8+8,\ (9+\text{mod}[7,8])+8,\ 9+(\text{mod}[7,8]+8),$$
$$\text{Log}\left[\text{mod}[9,7],8^8\right],\ \text{Log}\left[9-7,8^8\right],\ \text{mod}[9+8,7]\,8,\ (9+8)+\text{mod}[7,8],\ 9+(8+\text{mod}[7,8])\Big\}\Big\},$$
$$\{\{7,8,8,10\},\{8\,\text{mod}[8\times10,7],\ \text{mod}[8\times10,7]\,8,\ 8\,\text{mod}[10,\text{mod}[7,8]],$$
$$8\,\text{mod}[\text{mod}[10,7],8],\ 8\,\text{mod}[10-7,8],\ 8\,(10-\text{mod}[7,8]),\ 8\times10-7\times8,$$
$$8\,\text{mod}[10\times8,7],\ 8\times10-8\times7,\ \text{mod}[10,\text{mod}[7,8]]\,8,\ \text{mod}[\text{mod}[10,7],8]\,8,$$
$$\text{mod}[10-7,8]\,8,\ (10-\text{mod}[7,8])\,8,\ \text{mod}[10\times8,7]\,8,\ 10\times8-7\times8,\ 10\times8-8\times7\}\},$$
$$\Big\{\{7,8,9,9\},\Big\{(7+\text{mod}[8,9])+9,\ 7+(\text{mod}[8,9]+9),\ (\text{mod}[7,9]+8)+9,\ \text{mod}[7,9]+(8+9),$$
$$(7+9)+\text{mod}[8,9],\ 7+(9+\text{mod}[8,9]),\ (\text{mod}[7,9]+9)+8,\ \text{mod}[7,9]+(9+8),$$

$$(8+\text{mod}[7,9])+9,\ 8+(\text{mod}[7,9]+9),\ (\text{mod}[8,9]+7)+9,\ \text{mod}[8,9]+(7+9),\ \frac{8}{\text{root}[9,7-9]},$$

$$(8+9)+\text{mod}[7,9],\ 8+(9+\text{mod}[7,9]),\ (\text{mod}[8,9]+9)+7,\ \text{mod}[8,9]+(9+7),$$
$$8\,\text{root}[9,\text{mod}[9,7]],\ 8\,\text{root}[9,9-7],\ (9+7)+\text{mod}[8,9],\ 9+(7+\text{mod}[8,9]),$$
$$(9+\text{mod}[7,9])+8,\ 9+(\text{mod}[7,9]+8),\ (9+8)+\text{mod}[7,9],\ 9+(8+\text{mod}[7,9]),$$
$$(9+\text{mod}[8,9])+7,\ 9+(\text{mod}[8,9]+7),\ \text{root}[9,\text{mod}[9,7]]\,8,\ \text{root}[9,9-7]\,8\Big\}\Big\},$$

$$\Big\{\{7,8,9,10\},\ \Big\{(7+8)+\text{mod}[9,10],\ 7+(8+\text{mod}[9,10]),\ (7+\text{mod}[8,10])+9,$$
$$7+(\text{mod}[8,10]+9),\ (7+9)+\text{mod}[8,10],\ 7+(9+\text{mod}[8,10]),\ \text{mod}[7\times 9,10]\,8,$$
$$(7+\text{mod}[9,10])+8,\ 7+(\text{mod}[9,10]+8),\ (\text{mod}[7,10]+8)+9,\ \text{mod}[7,10]+(8+9),$$
$$(\text{mod}[7,10]+9)+8,\ \text{mod}[7,10]+(9+8),\ (8+7)+\text{mod}[9,10],\ 8+(7+\text{mod}[9,10]),$$
$$8\,\text{mod}[7\times 9,10],\ (8+\text{mod}[7,10])+9,\ 8+(\text{mod}[7,10]+9),\ (8+9)+\text{mod}[7,10],$$
$$8+(9+\text{mod}[7,10]),\ 8\,\text{mod}[9\times 7,10],\ (8+\text{mod}[9,10])+7,\ 8+(\text{mod}[9,10]+7),\ 8\,\frac{9}{\text{mod}[10,7]},$$

$$8\,\frac{9}{10-7},\ \frac{8\times 9}{\text{mod}[10,7]},\ \frac{8\times 9}{10-7},\ \text{mod}[8,9]\,\text{mod}[10,7],\ \text{mod}[8,9]\,(10-7),\ \frac{8}{\text{mod}[10,7]}\,9,$$

$$\frac{8}{10-7}\,9,\ (\text{mod}[8,10]+7)+9,\ \text{mod}[8,10]+(7+9),\ \frac{8}{\frac{\text{mod}[10,7]}{9}},\ \frac{8}{\frac{10-7}{9}},\ 8\,\text{mod}[10,\text{mod}[7,9]],$$

$$8\,\text{mod}[\text{mod}[10,7],9],\ 8\,\text{mod}[10-7,9],\ 8\,(10-\text{mod}[7,9]),\ (\text{mod}[8,10]+9)+7,$$
$$\text{mod}[8,10]+(9+7),\ (9+7)+\text{mod}[8,10],\ 9+(7+\text{mod}[8,10]),\ \text{mod}[9\times 7,10]\,8,$$
$$(9+\text{mod}[7,10])+8,\ 9+(\text{mod}[7,10]+8),\ (9+8)+\text{mod}[7,10],\ 9+(8+\text{mod}[7,10]),$$
$$(9+\text{mod}[8,10])+7,\ 9+(\text{mod}[8,10]+7),\ 9\,\frac{8}{\text{mod}[10,7]},\ 9\,\frac{8}{10-7},\ \frac{9\times 8}{\text{mod}[10,7]},\ \frac{9\times 8}{10-7},$$

$$\frac{9}{\text{mod}[10,7]}\,8,\ \frac{9}{10-7}\,8,\ (\text{mod}[9,10]+7)+8,\ \text{mod}[9,10]+(7+8),\ \frac{9}{\frac{\text{mod}[10,7]}{8}},\ \frac{9}{\frac{10-7}{8}},$$

$$(\text{mod}[9,10]+8)+7,\ \text{mod}[9,10]+(8+7),\ \text{mod}[10,7]\,\text{mod}[8,9],\ (10-7)\,\text{mod}[8,9],$$
$$\text{mod}[10,\text{mod}[7,9]]\,8,\ \text{mod}[\text{mod}[10,7],9]\,8,\ \text{mod}[10-7,9]\,8,\ (10-\text{mod}[7,9])\,8\Big\}\Big\},$$

$$\{\{7,8,10,10\},\ \{7\,\text{mod}[10,8]+10,\ 7\,(10-8)+10,\ 8\,\text{mod}[10,\text{mod}[7,10]],\ 8\,\text{mod}[\text{mod}[10,7],10],$$
$$8\,\text{mod}[10-7,10],\ 8\,(10-\text{mod}[7,10]),\ \text{mod}[8,10]\,\text{mod}[10,7],\ \text{mod}[8,10]\,(10-7),$$
$$\text{mod}[10,7]\,\text{mod}[8,10],\ (10-7)\,\text{mod}[8,10],\ 10-7\,(8-10),\ \text{mod}[10,\text{mod}[7,10]]\,8,$$
$$\text{mod}[\text{mod}[10,7],10]\,8,\ \text{mod}[10-7,10]\,8,\ (10-\text{mod}[7,10])\,8,\ 10+7\,\text{mod}[10,8],\ 10+7\,(10-8),$$
$$\text{mod}[10,8]\,7+10,\ (10-8)\,7+10,\ 10-(8-10)\,7,\ 10+\text{mod}[10,8]\,7,\ 10+(10-8)\,7\}\},$$
$$\{\{7,9,9,9\},\ \{\}\},\ \{\{7,9,9,10\},\ \{\}\},\ \{\{7,9,10,10\},\ \{\}\},$$
$$\{\{7,10,10,10\},\ \{\}\},$$
$$\{\{8,8,8,8\},\ \{\}\},$$
$$\{\{8,8,8,9\},\ \{(8+8)+\text{mod}[8,9],\ 8+(8+\text{mod}[8,9]),\ (8+\text{mod}[8,9])+8,$$
$$8+(\text{mod}[8,9]+8),\ (\text{mod}[8,9]+8)+8,\ \text{mod}[8,9]+(8+8)\}\},$$

$$\Big\{\{8,8,8,10\},\ \Big\{(8+8)+\text{mod}[8,10],\ 8+(8+\text{mod}[8,10]),\ 8-8\,(8-10),\ (8+\text{mod}[8,10])+8,$$

$$8+(\text{mod}[8,10]+8),\ \frac{8}{\text{Log}[8,\text{mod}[10,8]]},\ \frac{8}{\text{Log}[8,10-8]},\ 8+8\,\text{mod}[10,8],$$
$$8-(8-10)\,8,\ 8+8\,(10-8),\ (\text{mod}[8,10]+8)+8,\ 8\,\text{mod}[10,8]+8,\ 8\,(10-8)+8,$$
$$8+\text{mod}[10,8]\,8,\ 8+(10-8)\,8,\ \text{mod}[8,10]+(8+8),\ 8\,\text{Log}[\text{mod}[10,8],8],$$
$$8\,\text{Log}[10-8,8],\ \text{Log}[\text{mod}[10,8],8]\,8,\ \text{Log}[10-8,8]\,8,\ \text{mod}[10,8]\,8+8,$$
$$(10-8)\,8+8,\ \text{Log}\left[\text{mod}[10,8],8^8\right],\ \text{Log}\left[10-8,8^8\right]\Big\}\Big\},\ \{\{8,8,9,9\},\ \{\}\},$$

$$\Big\{\{8,8,9,10\},\ \Big\{\frac{8}{\text{root}[9,8-10]},\ 8\,\text{mod}[9+10,8],\ 8\,\text{root}[9,\text{mod}[10,8]],\ 8\,\text{root}[9,10-8],$$

$$8\,\text{mod}[10+9,8],\ \text{mod}[9+10,8]\,8,\ \text{root}[9,\text{mod}[10,8]]\,8,\ \text{root}[9,10-8]\,8,\ \text{mod}[10+9,8]\,8\Big\}\Big\},$$

$$\{\{8,8,10,10\},\ \{\}\},\ \{\{8,9,9,9\},\ \{\}\},\ \{\{8,9,9,10\},\ \{\}\},$$
$$\{\{8,9,10,10\},\ \{\}\},$$
$$\{\{8,10,10,10\},\ \{\}\},$$
$$\{\{9,9,9,9\},\ \{\}\},$$

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