

$$1. [1, 1, 1, 1]$$

无解

$$2. [1, 1, 1, 2]$$

无解

$$3. [1, 1, 1, 3]$$

无解

$$4. [1, 1, 1, 4]$$

无解

$$5. [1, 1, 1, 5]$$

无解

$$6. [1, 1, 1, 6]$$

无解

$$7. [1, 1, 1, 7]$$

无解

$$8. [1, 1, 1, 8]$$

$$1. (((1+1)+1)*8) = 24$$

$$2. ((1+(1+1))*8) = 24$$

$$9. [1, 1, 1, 9]$$

无解

$$10. [1, 1, 1, 10]$$

无解

$$11. [1, 1, 1, 11]$$

$$1. ((1+1)*(11+1)) = 24$$

$$2. ((1+1)*(1+11)) = 24$$

$$3. ((1+11)*(1+1)) = 24$$

$$12. [1, 1, 1, 12]$$

$$1. (((1+1)*12)*1) = 24$$

$$2. (((1+1)*12)/1) = 24$$

$$3. (((1+1)*1)*12) = 24$$

$$4. (((1+1)/1)*12) = 24$$

$$5. (12/(1/(1+1))) = 24$$

$$6. ((1+1)*(12*1)) = 24$$

$$7. ((1+1)*(12/1)) = 24$$

$$8. ((1+1)/(1/12)) = 24$$

$$9. (((1*1)+1)*12) = 24$$

$$10. (((1/1)+1)*12) = 24$$

$$11. ((1+1)*(1*12)) = 24$$

$$12. ((1*12)*(1+1)) = 24$$

$$13. ((12/1)*(1+1)) = 24$$

$$14. ((1*(1+1))*12) = 24$$

$$15. (1*((1+1)*12)) = 24$$

$$16. ((1+(1*1))*12) = 24$$

$$17. ((1+(1/1))*12) = 24$$

$$13. [1, 1, 1, 13]$$

$$1. ((1+1)*(13-1)) = 24$$

$$2. ((13-1)*(1+1)) = 24$$

$$14. [1, 1, 2, 2]$$

无解

$$15. [1, 1, 2, 3]$$

无解

$$16. [1, 1, 2, 4]$$

无解

$$17. [1, 1, 2, 5]$$

无解

$$18. [1, 1, 2, 6]$$

$$1. (((1+1)*6)*2) = 24$$

$$2. (((1+1)+2)*6) = 24$$

$$3. (((1+1)*2)*6) = 24$$

$$4. ((1+1)*(6*2)) = 24$$

$$5. (((1+2)+1)*6) = 24$$

$$6. ((1+(1+2))*6) = 24$$

$$7. ((1+1)*(2*6)) = 24$$

$$19. [1, 1, 2, 7]$$

$$1. ((1+2)*(1+7)) = 24$$

$$2. ((1+7)*(1+2)) = 24$$

$$20. [1, 1, 2, 8]$$

$$1. (((1*1)+2)*8) = 24$$

$$2. (((1/1)+2)*8) = 24$$

$$3. (((1+2)*1)*8) = 24$$

$$4. (((1+2)/1)*8) = 24$$

$$5. (8/(1/(1+2))) = 24$$

$$6. (((1+2)*8)*1) = 24$$

$$7. (((1+2)*8)/1) = 24$$

$$8. ((1+2)*(1*8)) = 24$$

$$9. ((1+2)/(1/8)) = 24$$

$$10. ((1+2)*(8/1)) = 24$$

$$11. (((1*2)+1)*8) = 24$$

$$12. (((2/1)+1)*8) = 24$$

$$13. ((1*8)*(1+2)) = 24$$

$$14. ((8/1)*(1+2)) = 24$$

$$15. ((1*(1+2))*8) = 24$$

$$16. (1*((1+2)*8)) = 24$$

$$17. ((1+(1*2))*8) = 24$$

$$18. ((1+(2/1))*8) = 24$$

$$21. [1, 1, 2, 9]$$

$$1. ((1+2)*(9-1)) = 24$$

$$2. ((9-1)*(1+2)) = 24$$

$$22. [1, 1, 2, 10]$$

$$1. (((1+1)+10)*2) = 24$$

$$2. ((1+1)*(10+2)) = 24$$

$$3. (((1+10)+1)*2) = 24$$

$$4. ((1+(1+10))*2) = 24$$

$$5. ((1+1)*(2+10)) = 24$$

$$23. [1, 1, 2, 11]$$

$$1. (((1+1)*11)+2) = 24$$

$$2. ((1+1)+(11*2)) = 24$$

$$3. (((1*1)+11)*2) = 24$$

$$4. (((1/1)+11)*2) = 24$$

$$5. ((1*2)*(1+11)) = 24$$

$$6. ((1+11)/(1/2)) = 24$$

$$7. ((2/1)*(1+11)) = 24$$

$$8. (((1+11)*1)*2) = 24$$

$$9. (((1+11)/1)*2) = 24$$

$$10. (2/(1/(1+11))) = 24$$

$$11. (((1+11)*2)*1) = 24$$

$$12. (((1+11)*2)/1) = 24$$

$$13. ((1+11)*(1*2)) = 24$$

$$14. ((1+11)*(2/1)) = 24$$

$$15. (((1*11)+1)*2) = 24$$

$$16. (((11/1)+1)*2) = 24$$

$$17. ((1*(1+11))*2) = 24$$

$$18. (1*((1+11)*2)) = 24$$

$$19. ((1+(1*11))*2) = 24$$

$$20. ((1+(11/1))*2) = 24$$

$$21. ((1+1)+(2*11)) = 24$$

$$22. ((1+(2*11))+1) = 24$$

$$23. (1+(1+(2*11))) = 24$$

$$24. [1, 1, 2, 12]$$

$$1. (((1-1)+12)*2) = 24$$

$$2. ((12-(1-1))*2) = 24$$

$$3. (((1-1)+2)*12) = 24$$

$$4. ((2-(1-1))*12) = 24$$

$$5. ((1-1)+(12*2)) = 24$$

$$6. ((12*2)-(1-1)) = 24$$

$$7. (((1*1)*12)*2) = 24$$

$$8. (2/((1*1)/12)) = 24$$

$$9. ((12/(1*1))*2) = 24$$

$$10. (((1*1)*2)*12) = 24$$

$$11. (12/((1*1)/2)) = 24$$

$$12. ((2/(1*1))*12) = 24$$

$$13. ((1*1)*(12*2)) = 24$$

$$14. ((12*2)/(1*1)) = 24$$

$$15. (((1/1)*12)*2) = 24$$

$$16. (2/((1/1)/12)) = 24$$

$$17. ((12/(1/1))*2) = 24$$

$$18. (((1/1)*2)*12) = 24$$

$$19. (12/((1/1)/2)) = 24$$

$$20. ((2/(1/1))*12) = 24$$

$$21. ((1/1)*(12*2)) = 24$$

$$22. ((12*2)/(1/1)) = 24$$

$$23. (((1+2)-1)*12) = 24$$

$$24. ((1-(1-2))*12) = 24$$

$$25. (((2-1)+1)*12) = 24$$

$$26. (((1*2)*1)*12) = 24$$

$$27. (((1*2)/1)*12) = 24$$

$$28. (12/(1/(1*2))) = 24$$

$$29. (((1*2)*12)*1) = 24$$

$$30. (((1*2)*12)/1) = 24$$

$$31. ((1*2)*(1*12)) = 24$$

$$32. ((1*2)/(1/12)) = 24$$

$$33. ((1*2)*(12/1)) = 24$$

$$34. (12/(1-(1/2))) = 24$$

$$35. (12/((1/2)*1)) = 24$$

$$36. (12/((1/2)/1)) = 24$$

$$37. ((1/(1/2))*12) = 24$$

$$38. (1/((1/2)/12)) = 24$$

$$39. ((12/(1/2))*1) = 24$$

$$40. ((12/(1/2))/1) = 24$$

$$41. ((1*12)/(1/2)) = 24$$

$$42. ((12/1)/(1/2)) = 24$$

$$43. (((2/1)*1)*12) = 24$$

$$44. (((2/1)/1)*12) = 24$$

$$45. (12/(1/(2/1))) = 24$$

$$46. (((2/1)*12)*1) = 24$$

$$47. (((2/1)*12)/1) = 24$$

$$48. ((2/1)*(1*12)) = 24$$

$$49. ((2/1)/(1/12)) = 24$$

$$50. ((2/1)*(12/1)) = 24$$

$$51. (((1+12)-1)*2) = 24$$

$$52. ((1-(1-12))*2) = 24$$

$$53. (((12-1)+1)*2) = 24$$

$$54. (((1*12)*1)*2) = 24$$

$$55. (((1*12)/1)*2) = 24$$

$$\begin{aligned}
&56. (2/(1/(1*12))) = 24 \\
&57. (((1*12)*2)*1) = 24 \\
&58. (((1*12)*2)/1) = 24 \\
&59. ((1*12)*(1*2)) = 24 \\
&60. ((1*12)*(2/1)) = 24 \\
&61. (2/((1/12)*1)) = 24 \\
&62. (2/((1/12)/1)) = 24 \\
&63. ((1/(1/12))*2) = 24 \\
&64. (1/((1/12)/2)) = 24 \\
&65. ((2/(1/12))*1) = 24 \\
&66. ((2/(1/12))/1) = 24 \\
&67. (((12/1)*1)*2) = 24 \\
&68. (((12/1)/1)*2) = 24 \\
&69. (2/(1/(12/1))) = 24 \\
&70. (((12/1)*2)*1) = 24 \\
&71. (((12/1)*2)/1) = 24 \\
&72. ((12/1)*(1*2)) = 24 \\
&73. ((12/1)*(2/1)) = 24 \\
&74. ((1+(2-1))*12) = 24 \\
&75. ((1*(1*2))*12) = 24 \\
&76. (1*((1*2)*12)) = 24 \\
&77. (12/(1*(1/2))) = 24 \\
&78. (1*(12/(1/2))) = 24 \\
&79. ((1*(2/1))*12) = 24 \\
&80. (1*((2/1)*12)) = 24 \\
&81. ((1+(12-1))*2) = 24 \\
&82. ((1*(1*12))*2) = 24 \\
&83. (1*((1*12)*2)) = 24 \\
&84. (2/(1*(1/12))) = 24 \\
&85. (1*(2/(1/12))) = 24 \\
&86. ((1*(12/1))*2) = 24 \\
&87. (1*((12/1)*2)) = 24 \\
&88. ((1-1)+(2*12)) = 24 \\
&89. ((2*12)-(1-1)) = 24 \\
&90. ((1*1)*(2*12)) = 24 \\
&91. ((2*12)/(1*1)) = 24 \\
&92. ((1/1)*(2*12)) = 24 \\
&93. ((2*12)/(1/1)) = 24 \\
&94. ((1+(2*12))-1) = 24 \\
&95. (1-(1-(2*12))) = 24 \\
&96. (((2*12)-1)+1) = 24 \\
&97. ((1*(2*12))*1) = 24 \\
&98. ((1*(2*12))/1) = 24 \\
&99. (1/(1/(2*12))) = 24 \\
&100. (((2*12)/1)*1) = 24 \\
&101. (((2*12)/1)/1) = 24 \\
&102. (1+((2*12)-1)) = 24 \\
&103. (1*(1*(2*12))) = 24 \\
&104. (1*((2*12)/1)) = 24
\end{aligned}$$

$$\begin{aligned}
&25. [1, 1, 2, 13] \\
&1. (((1+1)*13)-2) = 24 \\
&2. ((13*2)-(1+1)) = 24 \\
&3. ((13-(1*1))*2) = 24 \\
&4. ((13-(1/1))*2) = 24 \\
&5. ((1*2)*(13-1)) = 24 \\
&6. ((13-1)/(1/2)) = 24 \\
&7. ((2/1)*(13-1)) = 24 \\
&8. (((13-1)*1)*2) = 24 \\
&9. (((13-1)/1)*2) = 24 \\
&10. (2/(1/(13-1))) = 24 \\
&11. (((13-1)*2)*1) = 24 \\
&12. (((13-1)*2)/1) = 24 \\
&13. ((13-1)*(1*2)) = 24 \\
&14. ((13-1)*(2/1)) = 24 \\
&15. (((1*13)-1)*2) = 24 \\
&16. (((13/1)-1)*2) = 24 \\
&17. ((1*(13-1))*2) = 24 \\
&18. (1*((13-1)*2)) = 24 \\
&19. ((2*13)-(1+1)) = 24 \\
&20. (((2*13)-1)-1) = 24 \\
&26. [1, 1, 3, 3] \\
&\text{无解} \\
&27. [1, 1, 3, 4] \\
&1. (((1+1)*4)*3) = 24 \\
&2. (((1+1)*3)*4) = 24 \\
&3. ((1+1)*(4*3)) = 24 \\
&4. ((1+1)*(3*4)) = 24 \\
&28. [1, 1, 3, 5] \\
&1. ((1+3)*(1+5)) = 24 \\
&2. ((1+5)*(1+3)) = 24 \\
&29. [1, 1, 3, 6] \\
&1. (((1+1)+6)*3) = 24 \\
&2. (((1*1)+3)*6) = 24 \\
&3. (((1/1)+3)*6) = 24 \\
&4. (((1+3)*1)*6) = 24 \\
&5. (((1+3)/1)*6) = 24 \\
&6. (6/(1/(1+3))) = 24 \\
&7. (((1+3)*6)*1) = 24 \\
&8. (((1+3)*6)/1) = 24 \\
&9. ((1+3)*(1*6)) = 24 \\
&10. ((1+3)/(1/6)) = 24 \\
&11. ((1+3)*(6/1)) = 24 \\
&12. (((1*3)+1)*6) = 24
\end{aligned}$$

$$\begin{aligned}
&13. (((3/1)+1)*6) = 24 \\
&14. (((1+6)+1)*3) = 24 \\
&15. ((1*6)*(1+3)) = 24 \\
&16. ((6/1)*(1+3)) = 24 \\
&17. ((1*(1+3))*6) = 24 \\
&18. (1*((1+3)*6)) = 24 \\
&19. ((1+(1*3))*6) = 24 \\
&20. ((1+(3/1))*6) = 24 \\
&21. ((1+(1+6))*3) = 24 \\
&30. [1, 1, 3, 7] \\
&1. (((1*1)+7)*3) = 24 \\
&2. (((1/1)+7)*3) = 24 \\
&3. ((1+3)*(7-1)) = 24 \\
&4. ((1*3)*(1+7)) = 24 \\
&5. ((1+7)/(1/3)) = 24 \\
&6. ((3/1)*(1+7)) = 24 \\
&7. (((1+7)*1)*3) = 24 \\
&8. (((1+7)/1)*3) = 24 \\
&9. (3/(1/(1+7))) = 24 \\
&10. (((1+7)*3)*1) = 24 \\
&11. (((1+7)*3)/1) = 24 \\
&12. ((1+7)*(1*3)) = 24 \\
&13. ((1+7)*(3/1)) = 24 \\
&14. ((7-1)*(1+3)) = 24 \\
&15. (((1*7)+1)*3) = 24 \\
&16. (((7/1)+1)*3) = 24 \\
&17. ((1*(1+7))*3) = 24 \\
&18. (1*((1+7)*3)) = 24 \\
&19. ((1+(1*7))*3) = 24 \\
&20. ((1+(7/1))*3) = 24 \\
&31. [1, 1, 3, 8] \\
&1. (((1-1)+8)*3) = 24 \\
&2. ((8-(1-1))*3) = 24 \\
&3. (((1-1)+3)*8) = 24 \\
&4. ((3-(1-1))*8) = 24 \\
&5. ((1-1)+(8*3)) = 24 \\
&6. ((8*3)-(1-1)) = 24 \\
&7. (((1*1)*8)*3) = 24 \\
&8. (3/((1*1)/8)) = 24 \\
&9. ((8/(1*1))*3) = 24 \\
&10. (((1*1)*3)*8) = 24 \\
&11. (8/((1*1)/3)) = 24 \\
&12. ((3/(1*1))*8) = 24 \\
&13. ((1*1)*(8*3)) = 24 \\
&14. ((8*3)/(1*1)) = 24 \\
&15. (((1/1)*8)*3) = 24 \\
&16. (3/((1/1)/8)) = 24
\end{aligned}$$

$$\begin{aligned}
&17. ((8/(1/1))*3) = 24 \\
&18. (((1/1)*3)*8) = 24 \\
&19. (8/((1/1)/3)) = 24 \\
&20. ((3/(1/1))*8) = 24 \\
&21. ((1/1)*(8*3)) = 24 \\
&22. ((8*3)/(1/1)) = 24 \\
&23. (((1+3)-1)*8) = 24 \\
&24. ((1-(1-3))*8) = 24 \\
&25. (((3-1)+1)*8) = 24 \\
&26. (((1*3)*1)*8) = 24 \\
&27. (((1*3)/1)*8) = 24 \\
&28. (8/(1/(1*3))) = 24 \\
&29. (((1*3)*8)*1) = 24 \\
&30. (((1*3)*8)/1) = 24 \\
&31. ((1*3)*(1*8)) = 24 \\
&32. ((1*3)/(1/8)) = 24 \\
&33. ((1*3)*(8/1)) = 24 \\
&34. (8/((1/3)*1)) = 24 \\
&35. (8/((1/3)/1)) = 24 \\
&36. ((1/(1/3))*8) = 24 \\
&37. (1/((1/3)/8)) = 24 \\
&38. ((8/(1/3))*1) = 24 \\
&39. ((8/(1/3))/1) = 24 \\
&40. ((1*8)/(1/3)) = 24 \\
&41. ((8/1)/(1/3)) = 24 \\
&42. (((3/1)*1)*8) = 24 \\
&43. (((3/1)/1)*8) = 24 \\
&44. (8/(1/(3/1))) = 24 \\
&45. (((3/1)*8)*1) = 24 \\
&46. (((3/1)*8)/1) = 24 \\
&47. ((3/1)*(1*8)) = 24 \\
&48. ((3/1)/(1/8)) = 24 \\
&49. ((3/1)*(8/1)) = 24 \\
&50. (((1+8)-1)*3) = 24 \\
&51. ((1-(1-8))*3) = 24 \\
&52. (((8-1)+1)*3) = 24 \\
&53. (((1*8)*1)*3) = 24 \\
&54. (((1*8)/1)*3) = 24 \\
&55. (3/(1/(1*8))) = 24 \\
&56. (((1*8)*3)*1) = 24 \\
&57. (((1*8)*3)/1) = 24 \\
&58. ((1*8)*(1*3)) = 24 \\
&59. ((1*8)*(3/1)) = 24 \\
&60. (3/((1/8)*1)) = 24 \\
&61. (3/((1/8)/1)) = 24 \\
&62. ((1/(1/8))*3) = 24 \\
&63. (1/((1/8)/3)) = 24 \\
&64. ((3/(1/8))*1) = 24 \\
&65. ((3/(1/8))/1) = 24
\end{aligned}$$

$$\begin{aligned}
66. & (((8/1)*1)*3) = 24 \\
67. & (((8/1)/1)*3) = 24 \\
68. & (3/(1/(8/1))) = 24 \\
69. & (((8/1)*3)*1) = 24 \\
70. & (((8/1)*3)/1) = 24 \\
71. & ((8/1)*(1*3)) = 24 \\
72. & ((8/1)*(3/1)) = 24 \\
73. & ((1+(3-1))*8) = 24 \\
74. & ((1*(1*3))*8) = 24 \\
75. & (1*((1*3)*8)) = 24 \\
76. & (8/(1*(1/3))) = 24 \\
77. & (1*(8/(1/3))) = 24 \\
78. & ((1*(3/1))*8) = 24 \\
79. & (1*((3/1)*8)) = 24 \\
80. & ((1+(8-1))*3) = 24 \\
81. & ((1*(1*8))*3) = 24 \\
82. & (1*((1*8)*3)) = 24 \\
83. & (3/(1*(1/8))) = 24 \\
84. & (1*(3/(1/8))) = 24 \\
85. & ((1*(8/1))*3) = 24 \\
86. & (1*((8/1)*3)) = 24 \\
87. & ((1-1)+(3*8)) = 24 \\
88. & ((3*8)-(1-1)) = 24 \\
89. & ((1*1)*(3*8)) = 24 \\
90. & ((3*8)/(1*1)) = 24 \\
91. & ((1/1)*(3*8)) = 24 \\
92. & ((3*8)/(1/1)) = 24 \\
93. & ((1+(3*8))-1) = 24 \\
94. & (1-(1-(3*8))) = 24 \\
95. & (((3*8)-1)+1) = 24 \\
96. & ((1*(3*8))*1) = 24 \\
97. & ((1*(3*8))/1) = 24 \\
98. & (1/(1/(3*8))) = 24 \\
99. & (((3*8)/1)*1) = 24 \\
100. & (((3*8)/1)/1) = 24 \\
101. & (1+((3*8)-1)) = 24 \\
102. & (1*(1*(3*8))) = 24 \\
103. & (1*((3*8)/1)) = 24
\end{aligned}$$

$$32. [1, 1, 3, 9]$$

$$\begin{aligned}
1. & ((1+1)*(9+3)) = 24 \\
2. & ((9-(1*1))*3) = 24 \\
3. & ((9-(1/1))*3) = 24 \\
4. & ((1*3)*(9-1)) = 24 \\
5. & ((9-1)/(1/3)) = 24 \\
6. & ((3/1)*(9-1)) = 24 \\
7. & (((9-1)*1)*3) = 24 \\
8. & (((9-1)/1)*3) = 24 \\
9. & (3/(1/(9-1))) = 24
\end{aligned}$$

$$\begin{aligned}
10. & (((9-1)*3)*1) = 24 \\
11. & (((9-1)*3)/1) = 24 \\
12. & ((9-1)*(1*3)) = 24 \\
13. & ((9-1)*(3/1)) = 24 \\
14. & (((1*9)-1)*3) = 24 \\
15. & (((9/1)-1)*3) = 24 \\
16. & ((1*(9-1))*3) = 24 \\
17. & (1*((9-1)*3)) = 24 \\
18. & ((1+1)*(3+9)) = 24
\end{aligned}$$

$$33. [1, 1, 3, 10]$$

$$\begin{aligned}
1. & ((10-(1+1))*3) = 24 \\
2. & (((10-1)-1)*3) = 24
\end{aligned}$$

$$34. [1, 1, 3, 11]$$

$$\begin{aligned}
1. & ((3-1)*(1+11)) = 24 \\
2. & ((1+11)*(3-1)) = 24
\end{aligned}$$

$$35. [1, 1, 3, 12]$$

$$\begin{aligned}
1. & ((3-(1*1))*12) = 24 \\
2. & ((3-(1/1))*12) = 24 \\
3. & (((3-1)*1)*12) = 24 \\
4. & (((3-1)/1)*12) = 24 \\
5. & (12/(1/(3-1))) = 24 \\
6. & (((3-1)*12)*1) = 24 \\
7. & (((3-1)*12)/1) = 24 \\
8. & ((3-1)*(1*12)) = 24 \\
9. & ((3-1)/(1/12)) = 24 \\
10. & ((3-1)*(12/1)) = 24 \\
11. & (((1*3)-1)*12) = 24 \\
12. & (((3/1)-1)*12) = 24 \\
13. & ((1*12)*(3-1)) = 24 \\
14. & ((12/1)*(3-1)) = 24 \\
15. & ((1*(3-1))*12) = 24 \\
16. & (1*((3-1)*12)) = 24
\end{aligned}$$

$$36. [1, 1, 3, 13]$$

$$\begin{aligned}
1. & ((1-3)*(1-13)) = 24 \\
2. & ((3-1)*(13-1)) = 24 \\
3. & ((1-13)*(1-3)) = 24 \\
4. & ((13-1)*(3-1)) = 24
\end{aligned}$$

$$37. [1, 1, 4, 4]$$

$$\begin{aligned}
1. & (((1+1)+4)*4) = 24 \\
2. & (((1+4)+1)*4) = 24 \\
3. & ((1+(1+4))*4) = 24
\end{aligned}$$

$$38. [1, 1, 4, 5]$$

$$1. (((1*1)+5)*4) = 24$$

$$\begin{aligned}
2. & (((1/1)+5)*4) = 24 \\
3. & (((1+4)*5)-1) = 24 \\
4. & ((1*4)*(1+5)) = 24 \\
5. & ((1+5)/(1/4)) = 24 \\
6. & ((4/1)*(1+5)) = 24 \\
7. & (((1+5)*1)*4) = 24 \\
8. & (((1+5)/1)*4) = 24 \\
9. & (4/(1/(1+5))) = 24 \\
10. & (((1+5)*4)*1) = 24 \\
11. & (((1+5)*4)/1) = 24 \\
12. & ((1+5)*(1*4)) = 24 \\
13. & ((1+5)*(4/1)) = 24 \\
14. & (((1*5)+1)*4) = 24 \\
15. & (((5/1)+1)*4) = 24 \\
16. & ((1*(1+5))*4) = 24 \\
17. & (1*((1+5)*4)) = 24 \\
18. & ((1+(1*5))*4) = 24 \\
19. & ((1+(5/1))*4) = 24
\end{aligned}$$

$$39. [1, 1, 4, 6]$$

$$\begin{aligned}
1. & (((1-1)+6)*4) = 24 \\
2. & ((6-(1-1))*4) = 24 \\
3. & (((1-1)+4)*6) = 24 \\
4. & ((4-(1-1))*6) = 24 \\
5. & ((1-1)+(6*4)) = 24 \\
6. & ((6*4)-(1-1)) = 24 \\
7. & (((1*1)*6)*4) = 24 \\
8. & (4/((1*1)/6)) = 24 \\
9. & ((6/(1*1))*4) = 24 \\
10. & (((1*1)*4)*6) = 24 \\
11. & (6/((1*1)/4)) = 24 \\
12. & ((4/(1*1))*6) = 24 \\
13. & ((1*1)*(6*4)) = 24 \\
14. & ((6*4)/(1*1)) = 24 \\
15. & (((1/1)*6)*4) = 24 \\
16. & (4/((1/1)/6)) = 24 \\
17. & ((6/(1/1))*4) = 24 \\
18. & (((1/1)*4)*6) = 24 \\
19. & (6/((1/1)/4)) = 24 \\
20. & ((4/(1/1))*6) = 24 \\
21. & ((1/1)*(6*4)) = 24 \\
22. & ((6*4)/(1/1)) = 24 \\
23. & (((1+4)-1)*6) = 24 \\
24. & ((1-(1-4))*6) = 24 \\
25. & (((4-1)+1)*6) = 24 \\
26. & (((1*4)*1)*6) = 24 \\
27. & (((1*4)/1)*6) = 24 \\
28. & (6/(1/(1*4))) = 24 \\
29. & (((1*4)*6)*1) = 24
\end{aligned}$$

$$\begin{aligned}
30. & (((1*4)*6)/1) = 24 \\
31. & ((1*4)*(1*6)) = 24 \\
32. & ((1*4)/(1/6)) = 24 \\
33. & ((1*4)*(6/1)) = 24 \\
34. & (6/((1/4)*1)) = 24 \\
35. & (6/((1/4)/1)) = 24 \\
36. & ((1/(1/4))*6) = 24 \\
37. & (1/((1/4)/6)) = 24 \\
38. & ((6/(1/4))*1) = 24 \\
39. & ((6/(1/4))/1) = 24 \\
40. & ((1*6)/(1/4)) = 24 \\
41. & ((6/1)/(1/4)) = 24 \\
42. & (((4/1)*1)*6) = 24 \\
43. & (((4/1)/1)*6) = 24 \\
44. & (6/(1/(4/1))) = 24 \\
45. & (((4/1)*6)*1) = 24 \\
46. & (((4/1)*6)/1) = 24 \\
47. & ((4/1)*(1*6)) = 24 \\
48. & ((4/1)/(1/6)) = 24 \\
49. & ((4/1)*(6/1)) = 24 \\
50. & (((1+6)-1)*4) = 24 \\
51. & ((1-(1-6))*4) = 24 \\
52. & (((6-1)+1)*4) = 24 \\
53. & (((1*6)*1)*4) = 24 \\
54. & (((1*6)/1)*4) = 24 \\
55. & (4/(1/(1*6))) = 24 \\
56. & (((1*6)*4)*1) = 24 \\
57. & (((1*6)*4)/1) = 24 \\
58. & ((1*6)*(1*4)) = 24 \\
59. & ((1*6)*(4/1)) = 24 \\
60. & (4/((1/6)*1)) = 24 \\
61. & (4/((1/6)/1)) = 24 \\
62. & ((1/(1/6))*4) = 24 \\
63. & (1/((1/6)/4)) = 24 \\
64. & ((4/(1/6))*1) = 24 \\
65. & ((4/(1/6))/1) = 24 \\
66. & (((6/1)*1)*4) = 24 \\
67. & (((6/1)/1)*4) = 24 \\
68. & (4/(1/(6/1))) = 24 \\
69. & (((6/1)*4)*1) = 24 \\
70. & (((6/1)*4)/1) = 24 \\
71. & ((6/1)*(1*4)) = 24 \\
72. & ((6/1)*(4/1)) = 24 \\
73. & ((1+(4-1))*6) = 24 \\
74. & ((1*(1*4))*6) = 24 \\
75. & (1*((1*4)*6)) = 24 \\
76. & (6/(1*(1/4))) = 24 \\
77. & (1*(6/(1/4))) = 24 \\
78. & ((1*(4/1))*6) = 24
\end{aligned}$$

79. $(1*((4/1)*6)) = 24$
 80. $((1+(6-1))*4) = 24$
 81. $((1*(1*6))*4) = 24$
 82. $(1*((1*6)*4)) = 24$
 83. $(4/(1*(1/6))) = 24$
 84. $(1*(4/(1/6))) = 24$
 85. $((1*(6/1))*4) = 24$
 86. $(1*((6/1)*4)) = 24$
 87. $((1-1)+(4*6)) = 24$
 88. $((4*6)-(1-1)) = 24$
 89. $((1*1)*(4*6)) = 24$
 90. $((4*6)/(1*1)) = 24$
 91. $((1/1)*(4*6)) = 24$
 92. $((4*6)/(1/1)) = 24$
 93. $((1+(4*6))-1) = 24$
 94. $(1-(1-(4*6))) = 24$
 95. $((4*6)-1)+1 = 24$
 96. $((1*(4*6))*1) = 24$
 97. $((1*(4*6))/1) = 24$
 98. $(1/(1/(4*6))) = 24$
 99. $((4*6)/1)*1 = 24$
 100. $((4*6)/1)/1 = 24$
 101. $(1+((4*6)-1)) = 24$
 102. $(1*(1*(4*6))) = 24$
 103. $(1*((4*6)/1)) = 24$

40. [1, 1, 4, 7]
 1. $((7-(1*1))*4) = 24$
 2. $((7-(1/1))*4) = 24$
 3. $((4-1)*(1+7)) = 24$
 4. $((1*4)*(7-1)) = 24$
 5. $((7-1)/(1/4)) = 24$
 6. $((4/1)*(7-1)) = 24$
 7. $((1+7)*(4-1)) = 24$
 8. $((7-1)*1)*4 = 24$
 9. $((7-1)/1)*4 = 24$
 10. $(4/(1/(7-1))) = 24$
 11. $((7-1)*4)*1 = 24$
 12. $((7-1)*4)/1 = 24$
 13. $((7-1)*(1*4)) = 24$
 14. $((7-1)*(4/1)) = 24$
 15. $((1*7)-1)*4 = 24$
 16. $((7/1)-1)*4 = 24$
 17. $((1*(7-1))*4) = 24$
 18. $(1*((7-1)*4)) = 24$

41. [1, 1, 4, 8]
 1. $((8-(1+1))*4) = 24$
 2. $((1+1)*(8+4)) = 24$

3. $((4-(1*1))*8) = 24$
 4. $((4-(1/1))*8) = 24$
 5. $((4-1)*1)*8 = 24$
 6. $((4-1)/1)*8 = 24$
 7. $(8/(1/(4-1))) = 24$
 8. $((4-1)*8)*1 = 24$
 9. $((4-1)*8)/1 = 24$
 10. $((4-1)*(1*8)) = 24$
 11. $((4-1)/(1/8)) = 24$
 12. $((4-1)*(8/1)) = 24$
 13. $((1*4)-1)*8 = 24$
 14. $((4/1)-1)*8 = 24$
 15. $((8-1)-1)*4 = 24$
 16. $((1*8)*(4-1)) = 24$
 17. $((8/1)*(4-1)) = 24$
 18. $((1*(4-1))*8) = 24$
 19. $(1*((4-1)*8)) = 24$
 20. $((1+1)*(4+8)) = 24$

42. [1, 1, 4, 9]
 1. $((1-4)*(1-9)) = 24$
 2. $((4-1)*(9-1)) = 24$
 3. $((1-9)*(1-4)) = 24$
 4. $((9-1)*(4-1)) = 24$

43. [1, 1, 4, 10]
 1. $((1+1)*10)+4 = 24$

44. [1, 1, 4, 11]
 无解

45. [1, 1, 4, 12]
 1. $(4/((1+1)/12)) = 24$
 2. $((12/(1+1))*4) = 24$
 3. $((4-(1+1))*12) = 24$
 4. $(12/((1+1)/4)) = 24$
 5. $((4/(1+1))*12) = 24$
 6. $((12*4)/(1+1)) = 24$
 7. $((4-1)-1)*12 = 24$
 8. $((4*12)/(1+1)) = 24$

46. [1, 1, 4, 13]
 无解

47. [1, 1, 5, 5]
 1. $((5*5)-(1*1)) = 24$
 2. $((5*5)-(1/1)) = 24$
 3. $((1+5)*(5-1)) = 24$
 4. $((5-1)*(1+5)) = 24$

5. $((1*5)*5)-1 = 24$
 6. $((5/(1/5))-1) = 24$
 7. $((5/1)*5)-1 = 24$
 8. $((5*5)-1)*1 = 24$
 9. $((5*5)-1)/1 = 24$
 10. $((1*(5*5))-1) = 24$
 11. $((5*5)/1)-1 = 24$
 12. $(1*((5*5)-1)) = 24$

48. [1, 1, 5, 6]
 1. $((5-(1*1))*6) = 24$
 2. $((5-(1/1))*6) = 24$
 3. $((5-1)*1)*6 = 24$
 4. $((5-1)/1)*6 = 24$
 5. $(6/(1/(5-1))) = 24$
 6. $((5-1)*6)*1 = 24$
 7. $((5-1)*6)/1 = 24$
 8. $((5-1)*(1*6)) = 24$
 9. $((5-1)/(1/6)) = 24$
 10. $((5-1)*(6/1)) = 24$
 11. $((1*5)-1)*6 = 24$
 12. $((5/1)-1)*6 = 24$
 13. $((6-1)*5)-1 = 24$
 14. $((1*6)*(5-1)) = 24$
 15. $((6/1)*(5-1)) = 24$
 16. $((1*(5-1))*6) = 24$
 17. $(1*((5-1)*6)) = 24$

49. [1, 1, 5, 7]
 1. $((1+1)*(7+5)) = 24$
 2. $((1-5)*(1-7)) = 24$
 3. $((5-1)*(7-1)) = 24$
 4. $((1-7)*(1-5)) = 24$
 5. $((7-1)*(5-1)) = 24$
 6. $((1+1)*(5+7)) = 24$

50. [1, 1, 5, 8]
 1. $((5-(1+1))*8) = 24$
 2. $((5-1)-1)*8 = 24$

51. [1, 1, 5, 9]
 无解

52. [1, 1, 5, 10]
 无解

53. [1, 1, 5, 11]
 无解

54. [1, 1, 5, 12]
 无解

55. [1, 1, 5, 13]
 无解

56. [1, 1, 6, 6]
 1. $((6-(1+1))*6) = 24$
 2. $((1+1)*(6+6)) = 24$
 3. $((6-1)-1)*6 = 24$

57. [1, 1, 6, 7]
 无解

58. [1, 1, 6, 8]
 1. $(6/((1+1)/8)) = 24$
 2. $((8/(1+1))*6) = 24$
 3. $(8/((1+1)/6)) = 24$
 4. $((6/(1+1))*8) = 24$
 5. $((8*6)/(1+1)) = 24$
 6. $((6*8)/(1+1)) = 24$

59. [1, 1, 6, 9]
 1. $((1+1)*9)+6 = 24$

60. [1, 1, 6, 10]
 无解

61. [1, 1, 6, 11]
 无解

62. [1, 1, 6, 12]
 1. $((1+1)*6)+12 = 24$

63. [1, 1, 6, 13]
 无解

64. [1, 1, 7, 7]
 无解

65. [1, 1, 7, 8]
 无解

66. [1, 1, 7, 9]
 无解

67. [1, 1, 7, 10]
 1. $((1+1)*7)+10 = 24$

68. [1, 1, 7, 11]

无解

69. [1, 1, 7, 12]

无解

70. [1, 1, 7, 13]

无解

71. [1, 1, 8, 8]

1. $((1+1)*8)+8 = 24$

72. [1, 1, 8, 9]

无解

73. [1, 1, 8, 10]

无解

74. [1, 1, 8, 11]

无解

75. [1, 1, 8, 12]

无解

76. [1, 1, 8, 13]

无解

77. [1, 1, 9, 9]

无解

78. [1, 1, 9, 10]

无解

79. [1, 1, 9, 11]

无解

80. [1, 1, 9, 12]

无解

81. [1, 1, 9, 13]

1. $((1+1)+13)+9 = 24$

2. $((1+1)+9)+13 = 24$

3. $((1+1)+(13+9)) = 24$

4. $((1+9)+1)+13 = 24$

5. $((1+9)+13)+1 = 24$

6. $((1+9)+(1+13)) = 24$

7. $((1+13)+1)+9 = 24$

8. $((1+13)+9)+1 = 24$

9. $((1+13)+(1+9)) = 24$

10. $((1+(1+9))+13) = 24$

11. $(1+((1+9)+13)) = 24$

12. $((1+(1+13))+9) = 24$

13. $(1+((1+13)+9)) = 24$

14. $((1+1)+(9+13)) = 24$

15. $((1+(9+13))+1) = 24$

16. $(1+(1+(9+13))) = 24$

82. [1, 1, 10, 10]

无解

83. [1, 1, 10, 11]

无解

84. [1, 1, 10, 12]

1. $((1+1)+12)+10 = 24$

2. $((1+1)+10)+12 = 24$

3. $((1+1)+(12+10)) = 24$

4. $((1+10)+1)+12 = 24$

5. $((1+10)+12)+1 = 24$

6. $((1+10)+(1+12)) = 24$

7. $((1+12)+1)+10 = 24$

8. $((1+12)+10)+1 = 24$

9. $((1+12)+(1+10)) = 24$

10. $((1+(1+10))+12) = 24$

11. $(1+((1+10)+12)) = 24$

12. $((1+(1+12))+10) = 24$

13. $(1+((1+12)+10)) = 24$

14. $((1+1)+(10+12)) = 24$

15. $((1+(10+12))+1) = 24$

16. $(1+(1+(10+12))) = 24$

85. [1, 1, 10, 13]

1. $((1*1)+13)+10 = 24$

2. $((1*1)+10)+13 = 24$

3. $((1*1)+(13+10)) = 24$

4. $((1/1)+13)+10 = 24$

5. $((1/1)+10)+13 = 24$

6. $((1/1)+(13+10)) = 24$

7. $((1+10)*1)+13 = 24$

8. $((1+10)/1)+13 = 24$

9. $((1+10)+13)*1 = 24$

10. $((1+10)+13)/1 = 24$

11. $((1+10)+(1*13)) = 24$

12. $((1+10)+(13/1)) = 24$

13. $((1*10)+1)+13 = 24$

14. $((1*10)+13)+1 = 24$

15. $((1*10)+(1+13)) = 24$

16. $((10/1)+1)+13 = 24$

17. $((10/1)+13)+1 = 24$

18. $((10/1)+(1+13)) = 24$

19. $((1+13)*1)+10 = 24$

20. $((1+13)/1)+10 = 24$

21. $((1+13)+10)*1 = 24$

22. $((1+13)+10)/1 = 24$

23. $((1+13)+(1*10)) = 24$

24. $((1+13)+(10/1)) = 24$

25. $((1*13)+1)+10 = 24$

26. $((1*13)+10)+1 = 24$

27. $((1*13)+(1+10)) = 24$

28. $((13/1)+1)+10 = 24$

29. $((13/1)+10)+1 = 24$

30. $((13/1)+(1+10)) = 24$

31. $((1*(1+10))+13) = 24$

32. $(1*((1+10)+13)) = 24$

33. $((1+(1*10))+13) = 24$

34. $(1+((1*10)+13)) = 24$

35. $((1+(10/1))+13) = 24$

36. $(1+((10/1)+13)) = 24$

37. $((1*(1+13))+10) = 24$

38. $(1*((1+13)+10)) = 24$

39. $((1+(1*13))+10) = 24$

40. $(1+((1*13)+10)) = 24$

41. $((1+(13/1))+10) = 24$

42. $(1+((13/1)+10)) = 24$

43. $((1*1)+(10+13)) = 24$

44. $((1/1)+(10+13)) = 24$

45. $((1+(10+13))*1) = 24$

46. $((1+(10+13))/1) = 24$

47. $((1*(10+13))+1) = 24$

48. $((10+13)/1)+1 = 24$

49. $(1*(1+(10+13))) = 24$

50. $(1+(1*(10+13))) = 24$

51. $(1+((10+13)/1)) = 24$

86. [1, 1, 11, 11]

1. $((1+1)+11)+11 = 24$

2. $((1+1)+(11+11)) = 24$

3. $((1+11)+1)+11 = 24$

4. $((1+11)+11)+1 = 24$

5. $((1+11)+(1+11)) = 24$

6. $((1+(1+11))+11) = 24$

7. $(1+((1+11)+11)) = 24$

8. $((1+(11+11))+1) = 24$

9. $(1+(1+(11+11))) = 24$

87. [1, 1, 11, 12]

1. $((1*1)+12)+11 = 24$

2. $((1*1)+11)+12 = 24$

3. $((1*1)+(12+11)) = 24$

4. $((1/1)+12)+11 = 24$

5. $((1/1)+11)+12 = 24$

6. $((1/1)+(12+11)) = 24$

7. $((1+11)*1)+12 = 24$

8. $((1+11)/1)+12 = 24$

9. $((1+11)+12)*1 = 24$

10. $((1+11)+12)/1 = 24$

11. $((1+11)+(1*12)) = 24$

12. $((1+11)+(12/1)) = 24$

13. $((1*11)+1)+12 = 24$

14. $((1*11)+12)+1 = 24$

15. $((1*11)+(1+12)) = 24$

16. $((11/1)+1)+12 = 24$

17. $((11/1)+12)+1 = 24$

18. $((11/1)+(1+12)) = 24$

19. $((1+12)*1)+11 = 24$

20. $((1+12)/1)+11 = 24$

21. $((1+12)+11)*1 = 24$

22. $((1+12)+11)/1 = 24$

23. $((1+12)+(1*11)) = 24$

24. $((1+12)+(11/1)) = 24$

25. $((1*12)+1)+11 = 24$

26. $((1*12)+11)+1 = 24$

27. $((1*12)+(1+11)) = 24$

28. $((12/1)+1)+11 = 24$

29. $((12/1)+11)+1 = 24$

30. $((12/1)+(1+11)) = 24$

31. $((1*(1+11))+12) = 24$

32. $(1*((1+11)+12)) = 24$

33. $((1+(1*11))+12) = 24$

34. $(1+((1*11)+12)) = 24$

35. $((1+(11/1))+12) = 24$

36. $(1+((11/1)+12)) = 24$

37. $((1*(1+12))+11) = 24$

38. $(1*((1+12)+11)) = 24$

39. $((1+(1*12))+11) = 24$

40. $(1+((1*12)+11)) = 24$

41. $((1+(12/1))+11) = 24$

42. $(1+((12/1)+11)) = 24$

43. $((1*1)+(11+12)) = 24$

44. $((1/1)+(11+12)) = 24$

45. $((1+(11+12))*1) = 24$

46. $((1+(11+12))/1) = 24$

47. $((1*(11+12))+1) = 24$

48. $((11+12)/1)+1 = 24$

49. $(1*(1+(11+12))) = 24$

50. $(1+(1*(11+12))) = 24$

$$51. (1+((11+12)/1)) = 24$$

$$88. [1, 1, 11, 13]$$

$$\begin{aligned} 1. & (((1-1)+13)+11) = 24 \\ 2. & (11-((1-1)-13)) = 24 \\ 3. & (((13-(1-1))+11) = 24 \\ 4. & (((1-1)+11)+13) = 24 \\ 5. & (13-((1-1)-11)) = 24 \\ 6. & (((11-(1-1))+13) = 24 \\ 7. & ((1-1)+(13+11)) = 24 \\ 8. & ((13+11)-(1-1)) = 24 \\ 9. & (((1*1)*13)+11) = 24 \\ 10. & ((13/(1*1))+11) = 24 \\ 11. & (((1*1)*11)+13) = 24 \\ 12. & ((11/(1*1))+13) = 24 \\ 13. & ((1*1)*(13+11)) = 24 \\ 14. & ((13+11)/(1*1)) = 24 \\ 15. & (((1/1)*13)+11) = 24 \\ 16. & ((13/(1/1))+11) = 24 \\ 17. & (((1/1)*11)+13) = 24 \\ 18. & ((11/(1/1))+13) = 24 \\ 19. & ((1/1)*(13+11)) = 24 \\ 20. & ((13+11)/(1/1)) = 24 \\ 21. & (((1+11)-1)+13) = 24 \\ 22. & (13-(1-(1+11))) = 24 \\ 23. & (((1+11)+13)-1) = 24 \\ 24. & ((1+11)-(1-13)) = 24 \\ 25. & ((1+11)+(13-1)) = 24 \\ 26. & (13-((1-11)-1)) = 24 \\ 27. & ((1-(1-11))+13) = 24 \\ 28. & (1-((1-11)-13)) = 24 \\ 29. & ((13-(1-11))+1) = 24 \\ 30. & ((1+13)-(1-11)) = 24 \\ 31. & (((11-1)+1)+13) = 24 \\ 32. & (((11-1)+13)+1) = 24 \\ 33. & ((11-1)+(1+13)) = 24 \\ 34. & (((1*11)*1)+13) = 24 \\ 35. & (((1*11)/1)+13) = 24 \\ 36. & (((1*11)+13)*1) = 24 \\ 37. & (((1*11)+13)/1) = 24 \\ 38. & ((1*11)+(1*13)) = 24 \\ 39. & ((1*11)+(13/1)) = 24 \\ 40. & ((1/(1/11))+13) = 24 \\ 41. & (((11/1)*1)+13) = 24 \\ 42. & (((11/1)/1)+13) = 24 \\ 43. & (((11/1)+13)*1) = 24 \\ 44. & (((11/1)+13)/1) = 24 \\ 45. & ((11/1)+(1*13)) = 24 \\ 46. & ((11/1)+(13/1)) = 24 \end{aligned}$$

$$\begin{aligned} 47. & (((1+13)-1)+11) = 24 \\ 48. & (11-(1-(1+13))) = 24 \\ 49. & (((1+13)+11)-1) = 24 \\ 50. & ((1+13)+(11-1)) = 24 \\ 51. & (11-((1-13)-1)) = 24 \\ 52. & ((1-(1-13))+11) = 24 \\ 53. & (1-((1-13)-11)) = 24 \\ 54. & ((11-(1-13))+1) = 24 \\ 55. & (((13-1)+1)+11) = 24 \\ 56. & (((13-1)+11)+1) = 24 \\ 57. & ((13-1)+(1+11)) = 24 \\ 58. & (((1*13)*1)+11) = 24 \\ 59. & (((1*13)/1)+11) = 24 \\ 60. & (((1*13)+11)*1) = 24 \\ 61. & (((1*13)+11)/1) = 24 \\ 62. & ((1*13)+(1*11)) = 24 \\ 63. & ((1*13)+(11/1)) = 24 \\ 64. & ((1/(1/13))+11) = 24 \\ 65. & (((13/1)*1)+11) = 24 \\ 66. & (((13/1)/1)+11) = 24 \\ 67. & (((13/1)+11)*1) = 24 \\ 68. & (((13/1)+11)/1) = 24 \\ 69. & ((13/1)+(1*11)) = 24 \\ 70. & ((13/1)+(11/1)) = 24 \\ 71. & (1+(13-(1-11))) = 24 \\ 72. & ((1+(11-1))+13) = 24 \\ 73. & (1+((11-1)+13)) = 24 \\ 74. & ((1*(1*11))+13) = 24 \\ 75. & (1*((1*11)+13)) = 24 \\ 76. & ((1*(11/1))+13) = 24 \\ 77. & (1*((11/1)+13)) = 24 \\ 78. & (1+(11-(1-13))) = 24 \\ 79. & ((1+(13-1))+11) = 24 \\ 80. & (1+((13-1)+11)) = 24 \\ 81. & ((1*(1*13))+11) = 24 \\ 82. & (1*((1*13)+11)) = 24 \\ 83. & ((1*(13/1))+11) = 24 \\ 84. & (1*((13/1)+11)) = 24 \\ 85. & ((1-1)+(11+13)) = 24 \\ 86. & ((11+13)-(1-1)) = 24 \\ 87. & ((1*1)*(11+13)) = 24 \\ 88. & ((11+13)/(1*1)) = 24 \\ 89. & ((1/1)*(11+13)) = 24 \\ 90. & ((11+13)/(1/1)) = 24 \\ 91. & ((1+(11+13))-1) = 24 \\ 92. & (1-(1-(11+13))) = 24 \\ 93. & (((11+13)-1)+1) = 24 \\ 94. & ((1*(11+13))*1) = 24 \\ 95. & ((1*(11+13))/1) = 24 \end{aligned}$$

$$\begin{aligned} 96. & (1/(1/(11+13))) = 24 \\ 97. & (((11+13)/1)*1) = 24 \\ 98. & (((11+13)/1)/1) = 24 \\ 99. & (1+((11+13)-1)) = 24 \\ 100. & (1*(1*(11+13))) = 24 \\ 101. & (1*((11+13)/1)) = 24 \\ 89. & [1, 1, 12, 12] \\ 1. & (((1-1)+12)+12) = 24 \\ 2. & (12-((1-1)-12)) = 24 \\ 3. & ((12-(1-1))+12) = 24 \\ 4. & ((1-1)+(12+12)) = 24 \\ 5. & ((12+12)-(1-1)) = 24 \\ 6. & (((1*1)*12)+12) = 24 \\ 7. & ((12/(1*1))+12) = 24 \\ 8. & ((1*1)*(12+12)) = 24 \\ 9. & ((12+12)/(1*1)) = 24 \\ 10. & (((1/1)*12)+12) = 24 \\ 11. & ((12/(1/1))+12) = 24 \\ 12. & ((1/1)*(12+12)) = 24 \\ 13. & ((12+12)/(1/1)) = 24 \\ 14. & (((1+12)-1)+12) = 24 \\ 15. & (12-(1-(1+12))) = 24 \\ 16. & (((1+12)+12)-1) = 24 \\ 17. & ((1+12)-(1-12)) = 24 \\ 18. & ((1+12)+(12-1)) = 24 \\ 19. & (12-((1-12)-1)) = 24 \\ 20. & ((1-(1-12))+12) = 24 \\ 21. & (1-((1-12)-12)) = 24 \\ 22. & ((12-(1-12))+1) = 24 \\ 23. & (((12-1)+1)+12) = 24 \\ 24. & (((12-1)+12)+1) = 24 \\ 25. & ((12-1)+(1+12)) = 24 \\ 26. & (((1*12)*1)+12) = 24 \\ 27. & (((1*12)/1)+12) = 24 \\ 28. & (((1*12)+12)*1) = 24 \\ 29. & (((1*12)+12)/1) = 24 \\ 30. & ((1*12)+(1*12)) = 24 \\ 31. & ((1*12)+(12/1)) = 24 \\ 32. & ((1/(1/12))+12) = 24 \\ 33. & (((12/1)*1)+12) = 24 \\ 34. & (((12/1)/1)+12) = 24 \\ 35. & (((12/1)+12)*1) = 24 \\ 36. & (((12/1)+12)/1) = 24 \\ 37. & ((12/1)+(1*12)) = 24 \\ 38. & ((12/1)+(12/1)) = 24 \\ 39. & (1+(12-(1-12))) = 24 \\ 40. & ((1+(12-1))+12) = 24 \\ 41. & (1+((12-1)+12)) = 24 \end{aligned}$$

$$\begin{aligned} 42. & ((1*(1*12))+12) = 24 \\ 43. & (1*((1*12)+12)) = 24 \\ 44. & ((1*(12/1))+12) = 24 \\ 45. & (1*((12/1)+12)) = 24 \\ 46. & ((1+(12+12))-1) = 24 \\ 47. & (1-(1-(12+12))) = 24 \\ 48. & (((12+12)-1)+1) = 24 \\ 49. & ((1*(12+12))*1) = 24 \\ 50. & ((1*(12+12))/1) = 24 \\ 51. & (1/(1/(12+12))) = 24 \\ 52. & (((12+12)/1)*1) = 24 \\ 53. & (((12+12)/1)/1) = 24 \\ 54. & (1+((12+12)-1)) = 24 \\ 55. & (1*(1*(12+12))) = 24 \\ 56. & (1*((12+12)/1)) = 24 \\ 90. & [1, 1, 12, 13] \\ 1. & (12-((1*1)-13)) = 24 \\ 2. & ((13-(1*1))+12) = 24 \\ 3. & (13-((1*1)-12)) = 24 \\ 4. & ((12-(1*1))+13) = 24 \\ 5. & ((13+12)-(1*1)) = 24 \\ 6. & (12-((1/1)-13)) = 24 \\ 7. & ((13-(1/1))+12) = 24 \\ 8. & (13-((1/1)-12)) = 24 \\ 9. & ((12-(1/1))+13) = 24 \\ 10. & ((13+12)-(1/1)) = 24 \\ 11. & (13-((1-12)*1)) = 24 \\ 12. & (13-((1-12)/1)) = 24 \\ 13. & (((13-(1-12))*1) = 24 \\ 14. & ((13-(1-12))/1) = 24 \\ 15. & ((1*13)-(1-12)) = 24 \\ 16. & ((13/1)-(1-12)) = 24 \\ 17. & (((12-1)*1)+13) = 24 \\ 18. & (((12-1)/1)+13) = 24 \\ 19. & (((12-1)+13)*1) = 24 \\ 20. & (((12-1)+13)/1) = 24 \\ 21. & ((12-1)+(1*13)) = 24 \\ 22. & ((12-1)+(13/1)) = 24 \\ 23. & (((1*12)-1)+13) = 24 \\ 24. & (13-(1-(1*12))) = 24 \\ 25. & (((1*12)+13)-1) = 24 \\ 26. & ((1*12)-(1-13)) = 24 \\ 27. & ((1*12)+(13-1)) = 24 \\ 28. & (((12/1)-1)+13) = 24 \\ 29. & (13-(1-(12/1))) = 24 \\ 30. & (((12/1)+13)-1) = 24 \\ 31. & ((12/1)-(1-13)) = 24 \\ 32. & ((12/1)+(13-1)) = 24 \end{aligned}$$

$$\begin{aligned}
33. & (12 - ((1 - 13) * 1)) = 24 \\
34. & (12 - ((1 - 13) / 1)) = 24 \\
35. & ((12 - (1 - 13)) * 1) = 24 \\
36. & (((12 - (1 - 13)) / 1) = 24 \\
37. & (((13 - 1) * 1) + 12) = 24 \\
38. & (((13 - 1) / 1) + 12) = 24 \\
39. & (((13 - 1) + 12) * 1) = 24 \\
40. & (((13 - 1) + 12) / 1) = 24 \\
41. & ((13 - 1) + (1 * 12)) = 24 \\
42. & ((13 - 1) + (12 / 1)) = 24 \\
43. & (((1 * 13) - 1) + 12) = 24 \\
44. & (12 - (1 - (1 * 13))) = 24 \\
45. & (((1 * 13) + 12) - 1) = 24 \\
46. & ((1 * 13) + (12 - 1)) = 24 \\
47. & (((13 / 1) - 1) + 12) = 24 \\
48. & (12 - (1 - (13 / 1))) = 24 \\
49. & (((13 / 1) + 12) - 1) = 24 \\
50. & ((13 / 1) + (12 - 1)) = 24 \\
51. & (13 - (1 * (1 - 12))) = 24 \\
52. & (1 * (13 - (1 - 12))) = 24 \\
53. & ((1 * (12 - 1)) + 13) = 24 \\
54. & (1 * ((12 - 1) + 13)) = 24 \\
55. & (12 - (1 * (1 - 13))) = 24 \\
56. & (1 * (12 - (1 - 13))) = 24 \\
57. & ((1 * (13 - 1)) + 12) = 24 \\
58. & (1 * ((13 - 1) + 12)) = 24 \\
59. & ((12 + 13) - (1 * 1)) = 24 \\
60. & ((12 + 13) - (1 / 1)) = 24 \\
61. & (((12 + 13) - 1) * 1) = 24 \\
62. & (((12 + 13) - 1) / 1) = 24 \\
63. & ((1 * (12 + 13)) - 1) = 24 \\
64. & (((12 + 13) / 1) - 1) = 24 \\
65. & (1 * ((12 + 13) - 1)) = 24
\end{aligned}$$

$$\begin{aligned}
91. & [1, 1, 13, 13] \\
1. & (13 - ((1 + 1) - 13)) = 24 \\
2. & ((13 - (1 + 1)) + 13) = 24 \\
3. & ((13 + 13) - (1 + 1)) = 24 \\
4. & (13 - ((1 - 13) + 1)) = 24 \\
5. & ((13 - (1 - 13)) - 1) = 24 \\
6. & ((13 - 1) - (1 - 13)) = 24 \\
7. & (((13 - 1) - 1) + 13) = 24 \\
8. & (13 - (1 - (13 - 1))) = 24 \\
9. & (((13 - 1) + 13) - 1) = 24 \\
10. & ((13 - 1) + (13 - 1)) = 24 \\
11. & (13 - (1 + (1 - 13))) = 24 \\
12. & (((13 + 13) - 1) - 1) = 24
\end{aligned}$$

$$92. [1, 2, 2, 2]$$

无解

$$93. [1, 2, 2, 3]$$

无解

$$94. [1, 2, 2, 4]$$

$$\begin{aligned}
1. & (((1 + 2) * 4) * 2) = 24 \\
2. & (((1 + 2) * 2) * 4) = 24 \\
3. & ((1 + 2) * (4 * 2)) = 24 \\
4. & ((1 + 2) * (2 * 4)) = 24
\end{aligned}$$

$$95. [1, 2, 2, 5]$$

$$\begin{aligned}
1. & (((1 + 5) * 2) * 2) = 24 \\
2. & ((1 + 5) * (2 + 2)) = 24 \\
3. & ((1 + 5) * (2 * 2)) = 24
\end{aligned}$$

$$96. [1, 2, 2, 6]$$

$$\begin{aligned}
1. & ((1 + 2) * (6 + 2)) = 24 \\
2. & (((1 * 2) * 6) * 2) = 24 \\
3. & (((1 * 2) + 2) * 6) = 24 \\
4. & (((1 * 2) * 2) * 6) = 24 \\
5. & ((1 * 2) * (6 * 2)) = 24 \\
6. & (2 / ((1 / 2) / 6)) = 24 \\
7. & ((6 / (1 / 2)) * 2) = 24 \\
8. & (6 / ((1 / 2) / 2)) = 24 \\
9. & ((2 / (1 / 2)) * 6) = 24 \\
10. & ((6 * 2) / (1 / 2)) = 24 \\
11. & (((2 / 1) * 6) * 2) = 24 \\
12. & (((2 / 1) + 2) * 6) = 24 \\
13. & (((2 / 1) * 2) * 6) = 24 \\
14. & ((2 / 1) * (6 * 2)) = 24 \\
15. & ((1 + 2) * (2 + 6)) = 24 \\
16. & ((1 * 2) * (2 * 6)) = 24 \\
17. & ((2 * 6) / (1 / 2)) = 24 \\
18. & ((2 / 1) * (2 * 6)) = 24 \\
19. & (((1 * 6) * 2) * 2) = 24 \\
20. & ((1 * 6) * (2 + 2)) = 24 \\
21. & ((1 * 6) * (2 * 2)) = 24 \\
22. & (2 / ((1 / 6) / 2)) = 24 \\
23. & ((2 / (1 / 6)) * 2) = 24 \\
24. & ((2 + 2) / (1 / 6)) = 24 \\
25. & ((2 * 2) / (1 / 6)) = 24 \\
26. & (((6 / 1) * 2) * 2) = 24 \\
27. & ((6 / 1) * (2 + 2)) = 24 \\
28. & ((6 / 1) * (2 * 2)) = 24 \\
29. & ((1 * (2 + 2)) * 6) = 24 \\
30. & (6 / (1 / (2 + 2))) = 24 \\
31. & (((2 + 2) / 1) * 6) = 24 \\
32. & (1 * ((2 + 2) * 6)) = 24
\end{aligned}$$

$$\begin{aligned}
33. & (((2 + 2) * 6) / 1) = 24 \\
34. & ((1 * (2 * 2)) * 6) = 24 \\
35. & (6 / (1 / (2 * 2))) = 24 \\
36. & (((2 * 2) / 1) * 6) = 24 \\
37. & (1 * ((2 * 2) * 6)) = 24 \\
38. & (((2 * 2) * 6) / 1) = 24 \\
39. & ((1 * (2 * 6)) * 2) = 24 \\
40. & (2 / (1 / (2 * 6))) = 24 \\
41. & (((2 * 6) / 1) * 2) = 24 \\
42. & (1 * ((2 * 6) * 2)) = 24 \\
43. & (((2 * 6) * 2) / 1) = 24 \\
44. & (1 * (2 * (2 * 6))) = 24 \\
45. & ((2 * (2 * 6)) / 1) = 24
\end{aligned}$$

$$97. [1, 2, 2, 7]$$

$$\begin{aligned}
1. & (((7 - 1) * 2) * 2) = 24 \\
2. & ((7 - 1) * (2 + 2)) = 24 \\
3. & ((7 - 1) * (2 * 2)) = 24
\end{aligned}$$

$$98. [1, 2, 2, 8]$$

$$\begin{aligned}
1. & ((2 - (1 - 2)) * 8) = 24 \\
2. & (((2 - 1) + 2) * 8) = 24 \\
3. & (((2 + 2) - 1) * 8) = 24 \\
4. & (((2 * 2) - 1) * 8) = 24
\end{aligned}$$

$$99. [1, 2, 2, 9]$$

$$\begin{aligned}
1. & (((1 + 2) + 9) * 2) = 24 \\
2. & (((1 + 9) + 2) * 2) = 24 \\
3. & ((1 + (2 + 9)) * 2) = 24
\end{aligned}$$

$$100. [1, 2, 2, 10]$$

$$\begin{aligned}
1. & ((1 + 2) * (10 - 2)) = 24 \\
2. & (((1 * 2) + 10) * 2) = 24 \\
3. & ((1 * 2) * (10 + 2)) = 24 \\
4. & ((10 + 2) / (1 / 2)) = 24 \\
5. & (((2 / 1) + 10) * 2) = 24 \\
6. & ((2 / 1) * (10 + 2)) = 24 \\
7. & ((1 * 2) * (2 + 10)) = 24 \\
8. & ((2 + 10) / (1 / 2)) = 24 \\
9. & ((2 / 1) * (2 + 10)) = 24 \\
10. & (((1 + 10) * 2) + 2) = 24 \\
11. & (((1 * 10) + 2) * 2) = 24 \\
12. & (((10 / 1) + 2) * 2) = 24 \\
13. & ((1 * (2 + 10)) * 2) = 24 \\
14. & (2 / (1 / (2 + 10))) = 24 \\
15. & (((2 + 10) / 1) * 2) = 24 \\
16. & (1 * ((2 + 10) * 2)) = 24 \\
17. & (((2 + 10) * 2) / 1) = 24 \\
18. & (1 * (2 * (2 + 10))) = 24
\end{aligned}$$

$$19. ((2 * (2 + 10)) / 1) = 24$$

$$101. [1, 2, 2, 11]$$

$$\begin{aligned}
1. & ((11 - (1 - 2)) * 2) = 24 \\
2. & (((2 - 1) + 11) * 2) = 24 \\
3. & (((1 * 2) * 11) + 2) = 24 \\
4. & ((1 * 2) + (11 * 2)) = 24 \\
5. & ((11 / (1 / 2)) + 2) = 24 \\
6. & (((2 / 1) * 11) + 2) = 24 \\
7. & ((2 / 1) + (11 * 2)) = 24 \\
8. & ((1 * 2) + (2 * 11)) = 24 \\
9. & ((2 / 1) + (2 * 11)) = 24 \\
10. & ((2 - (1 - 11)) * 2) = 24 \\
11. & (((11 - 1) + 2) * 2) = 24 \\
12. & (((1 * 11) * 2) + 2) = 24 \\
13. & ((2 / (1 / 11)) + 2) = 24 \\
14. & (((11 / 1) * 2) + 2) = 24 \\
15. & (((2 + 11) - 1) * 2) = 24 \\
16. & ((1 * (2 * 11)) + 2) = 24 \\
17. & (((2 * 11) / 1) + 2) = 24 \\
18. & (1 * ((2 * 11) + 2)) = 24 \\
19. & (((2 * 11) + 2) / 1) = 24 \\
20. & (1 * (2 + (2 * 11))) = 24 \\
21. & ((2 + (2 * 11)) / 1) = 24
\end{aligned}$$

$$102. [1, 2, 2, 12]$$

$$\begin{aligned}
1. & (((2 - 1) * 12) * 2) = 24 \\
2. & (2 / ((2 - 1) / 12)) = 24 \\
3. & ((12 / (2 - 1)) * 2) = 24 \\
4. & (((2 - 1) * 2) * 12) = 24 \\
5. & (12 / ((2 - 1) / 2)) = 24 \\
6. & ((2 / (2 - 1)) * 12) = 24 \\
7. & ((2 - 1) * (12 * 2)) = 24 \\
8. & ((12 * 2) / (2 - 1)) = 24 \\
9. & ((2 - 1) * (2 * 12)) = 24 \\
10. & ((2 * 12) / (2 - 1)) = 24 \\
11. & (((1 + 12) * 2) - 2) = 24 \\
12. & (2 - ((1 - 12) * 2)) = 24 \\
13. & (((12 - 1) * 2) + 2) = 24 \\
14. & ((1 + (2 / 2)) * 12) = 24
\end{aligned}$$

$$103. [1, 2, 2, 13]$$

$$\begin{aligned}
1. & (((1 - 2) + 13) * 2) = 24 \\
2. & ((13 - (2 - 1)) * 2) = 24 \\
3. & (((1 * 2) * 13) - 2) = 24 \\
4. & ((13 * 2) - (1 * 2)) = 24 \\
5. & ((13 / (1 / 2)) - 2) = 24 \\
6. & (((2 / 1) * 13) - 2) = 24 \\
7. & ((13 * 2) - (2 / 1)) = 24
\end{aligned}$$

$$\begin{aligned}
8. & ((2*13)-(1*2)) = 24 \\
9. & ((2*13)-(2/1)) = 24 \\
10. & (((1+13)-2)*2) = 24 \\
11. & (((1*13)*2)-2) = 24 \\
12. & ((2/(1/13))-2) = 24 \\
13. & (((13/1)*2)-2) = 24 \\
14. & ((1-(2-13))*2) = 24 \\
15. & ((1+(13-2))*2) = 24 \\
16. & ((1*(2*13))-2) = 24 \\
17. & (((2*13)/1)-2) = 24 \\
18. & (1*((2*13)-2)) = 24 \\
19. & (((2*13)-2)/1) = 24
\end{aligned}$$

$$104. [1, 2, 3, 3]$$

$$\begin{aligned}
1. & (((1+3)*2)*3) = 24 \\
2. & (((1+3)*3)*2) = 24 \\
3. & ((1+3)*(2*3)) = 24
\end{aligned}$$

$$105. [1, 2, 3, 4]$$

$$\begin{aligned}
1. & (((1+2)+3)*4) = 24 \\
2. & (((1*2)*4)*3) = 24 \\
3. & (((1*2)*3)*4) = 24 \\
4. & ((1*2)*(4*3)) = 24 \\
5. & (3/((1/2)/4)) = 24 \\
6. & ((4/(1/2))*3) = 24 \\
7. & (4/((1/2)/3)) = 24 \\
8. & ((3/(1/2))*4) = 24 \\
9. & ((4*3)/(1/2)) = 24 \\
10. & (((2/1)*4)*3) = 24 \\
11. & (((2/1)*3)*4) = 24 \\
12. & ((2/1)*(4*3)) = 24 \\
13. & (((1+3)+2)*4) = 24 \\
14. & ((1+3)*(2+4)) = 24 \\
15. & (((1*3)*2)*4) = 24 \\
16. & (((1*3)*4)*2) = 24 \\
17. & ((1*3)*(2*4)) = 24 \\
18. & (4/((1/3)/2)) = 24 \\
19. & ((2/(1/3))*4) = 24 \\
20. & (2/((1/3)/4)) = 24 \\
21. & ((4/(1/3))*2) = 24 \\
22. & ((2*4)/(1/3)) = 24 \\
23. & (((3/1)*2)*4) = 24 \\
24. & (((3/1)*4)*2) = 24 \\
25. & ((3/1)*(2*4)) = 24 \\
26. & (((1*4)*2)*3) = 24 \\
27. & (((1*4)*3)*2) = 24 \\
28. & ((1*4)*(2*3)) = 24 \\
29. & (3/((1/4)/2)) = 24 \\
30. & ((2/(1/4))*3) = 24
\end{aligned}$$

$$\begin{aligned}
31. & (2/((1/4)/3)) = 24 \\
32. & ((3/(1/4))*2) = 24 \\
33. & ((2*3)/(1/4)) = 24 \\
34. & (((4/1)*2)*3) = 24 \\
35. & (((4/1)*3)*2) = 24 \\
36. & ((4/1)*(2*3)) = 24 \\
37. & ((1+(2+3))*4) = 24 \\
38. & ((1*(2*3))*4) = 24 \\
39. & (4/(1/(2*3))) = 24 \\
40. & (((2*3)/1)*4) = 24 \\
41. & (1*((2*3)*4)) = 24 \\
42. & (((2*3)*4)/1) = 24 \\
43. & ((1*(2*4))*3) = 24 \\
44. & (3/(1/(2*4))) = 24 \\
45. & (((2*4)/1)*3) = 24 \\
46. & (1*((2*4)*3)) = 24 \\
47. & (((2*4)*3)/1) = 24 \\
48. & ((1*2)*(3*4)) = 24 \\
49. & ((3*4)/(1/2)) = 24 \\
50. & ((2/1)*(3*4)) = 24 \\
51. & ((1*(3*4))*2) = 24 \\
52. & (2/(1/(3*4))) = 24 \\
53. & (((3*4)/1)*2) = 24 \\
54. & (1*(2*(3*4))) = 24 \\
55. & ((2*(3*4))/1) = 24
\end{aligned}$$

$$106. [1, 2, 3, 5]$$

$$\begin{aligned}
1. & (((1+2)+5)*3) = 24 \\
2. & ((1+2)*(5+3)) = 24 \\
3. & (((1+5)+2)*3) = 24 \\
4. & (((5-1)*2)*3) = 24 \\
5. & (((5-1)*3)*2) = 24 \\
6. & ((5-1)*(2*3)) = 24 \\
7. & (((2+3)*5)-1) = 24 \\
8. & ((1+(2+5))*3) = 24 \\
9. & ((1+2)*(3+5)) = 24
\end{aligned}$$

$$107. [1, 2, 3, 6]$$

$$\begin{aligned}
1. & ((3-(1-2))*6) = 24 \\
2. & (((2-1)+3)*6) = 24 \\
3. & (((1*2)+6)*3) = 24 \\
4. & (((2/1)+6)*3) = 24 \\
5. & ((2-(1-3))*6) = 24 \\
6. & (((3-1)+2)*6) = 24 \\
7. & (((3-1)*2)*6) = 24 \\
8. & (((3-1)*6)*2) = 24 \\
9. & ((3-1)*(2*6)) = 24 \\
10. & ((1*3)*(2+6)) = 24 \\
11. & ((2+6)/(1/3)) = 24
\end{aligned}$$

$$\begin{aligned}
12. & ((3/1)*(2+6)) = 24 \\
13. & (((1*6)+2)*3) = 24 \\
14. & (((6/1)+2)*3) = 24 \\
15. & (((2+3)-1)*6) = 24 \\
16. & ((1*(2+6))*3) = 24 \\
17. & (3/(1/(2+6))) = 24 \\
18. & (((2+6)/1)*3) = 24 \\
19. & (1*((2+6)*3)) = 24 \\
20. & (((2+6)*3)/1) = 24
\end{aligned}$$

$$108. [1, 2, 3, 7]$$

$$\begin{aligned}
1. & (((1+2)*7)+3) = 24 \\
2. & ((1+2)+(7*3)) = 24 \\
3. & ((7-(1-2))*3) = 24 \\
4. & (((2-1)+7)*3) = 24 \\
5. & ((2-(1-7))*3) = 24 \\
6. & (((7-1)+2)*3) = 24 \\
7. & (((2+7)-1)*3) = 24 \\
8. & ((1+2)+(3*7)) = 24 \\
9. & ((1+(3*7))+2) = 24 \\
10. & (1+(2+(3*7))) = 24
\end{aligned}$$

$$109. [1, 2, 3, 8]$$

$$\begin{aligned}
1. & (((2-1)*8)*3) = 24 \\
2. & (3/((2-1)/8)) = 24 \\
3. & ((8/(2-1))*3) = 24 \\
4. & (((2-1)*3)*8) = 24 \\
5. & (8/((2-1)/3)) = 24 \\
6. & ((3/(2-1))*8) = 24 \\
7. & ((2-1)*(8*3)) = 24 \\
8. & ((8*3)/(2-1)) = 24 \\
9. & (((1+3)+8)*2) = 24 \\
10. & ((1+3)*(8-2)) = 24 \\
11. & (((1+8)+3)*2) = 24 \\
12. & (8/(1-(2/3))) = 24 \\
13. & ((1+(3+8))*2) = 24 \\
14. & ((2-1)*(3*8)) = 24 \\
15. & ((3*8)/(2-1)) = 24
\end{aligned}$$

$$110. [1, 2, 3, 9]$$

$$\begin{aligned}
1. & (((1+2)*9)-3) = 24 \\
2. & ((9*3)-(1+2)) = 24 \\
3. & (((1-2)+9)*3) = 24 \\
4. & ((9-(2-1))*3) = 24 \\
5. & ((1*2)*(9+3)) = 24 \\
6. & ((9+3)/(1/2)) = 24 \\
7. & ((2/1)*(9+3)) = 24 \\
8. & (((1*3)+9)*2) = 24 \\
9. & (((3/1)+9)*2) = 24
\end{aligned}$$

$$\begin{aligned}
10. & (((1+9)-2)*3) = 24 \\
11. & (((1*9)+3)*2) = 24 \\
12. & (((9/1)+3)*2) = 24 \\
13. & ((1-(2-9))*3) = 24 \\
14. & ((1+(9-2))*3) = 24 \\
15. & ((1*2)*(3+9)) = 24 \\
16. & ((3+9)/(1/2)) = 24 \\
17. & ((2/1)*(3+9)) = 24 \\
18. & ((1*(3+9))*2) = 24 \\
19. & (2/(1/(3+9))) = 24 \\
20. & (((3+9)/1)*2) = 24 \\
21. & (1*(2*(3+9))) = 24 \\
22. & ((2*(3+9))/1) = 24 \\
23. & ((3*9)-(1+2)) = 24 \\
24. & (((3*9)-1)-2) = 24 \\
25. & (((3*9)-2)-1) = 24
\end{aligned}$$

$$111. [1, 2, 3, 10]$$

$$\begin{aligned}
1. & ((10-(1*2))*3) = 24 \\
2. & ((10-(2/1))*3) = 24 \\
3. & ((1+3)+(2*10)) = 24 \\
4. & ((10-(1-3))*2) = 24 \\
5. & (((3-1)+10)*2) = 24 \\
6. & ((3-1)*(2+10)) = 24 \\
7. & ((1*3)*(10-2)) = 24 \\
8. & ((10-2)/(1/3)) = 24 \\
9. & ((3/1)*(10-2)) = 24 \\
10. & ((3-(1-10))*2) = 24 \\
11. & (((10-1)+3)*2) = 24 \\
12. & (((1*10)-2)*3) = 24 \\
13. & (((10/1)-2)*3) = 24 \\
14. & ((1*(10-2))*3) = 24 \\
15. & (3/(1/(10-2))) = 24 \\
16. & (((10-2)/1)*3) = 24 \\
17. & (1*((10-2)*3)) = 24 \\
18. & (((10-2)*3)/1) = 24 \\
19. & ((1+(2*10))+3) = 24 \\
20. & (1+((2*10)+3)) = 24 \\
21. & (((3+10)-1)*2) = 24
\end{aligned}$$

$$112. [1, 2, 3, 11]$$

$$\begin{aligned}
1. & ((11-(1+2))*3) = 24 \\
2. & ((1+2)*(11-3)) = 24 \\
3. & (2-((1-3)*11)) = 24 \\
4. & ((2*11)-(1-3)) = 24 \\
5. & (((3-1)*11)+2) = 24 \\
6. & ((3-1)+(2*11)) = 24 \\
7. & (((11-1)-2)*3) = 24 \\
8. & (((11-2)-1)*3) = 24
\end{aligned}$$

$$\begin{aligned}
&9. (3-(1-(2*11))) = 24 \\
&10. (((2*11)-1)+3) = 24 \\
&11. (((2*11)+3)-1) = 24 \\
&113. [1, 2, 3, 12] \\
&1. (((1-2)+3)*12) = 24 \\
&2. ((3-(2-1))*12) = 24 \\
&3. (((1+3)-2)*12) = 24 \\
&4. (((1+3)/2)*12) = 24 \\
&5. (12/(2/(1+3))) = 24 \\
&6. (((1+3)*12)/2) = 24 \\
&7. ((1+3)/(2/12)) = 24 \\
&8. ((1+3)*(12/2)) = 24 \\
&9. ((1-(2-3))*12) = 24 \\
&10. ((1+(3-2))*12) = 24 \\
&11. (12/((3/2)-1)) = 24 \\
&114. [1, 2, 3, 13] \\
&1. ((1-3)+(2*13)) = 24 \\
&2. (((3-1)*13)-2) = 24 \\
&3. ((2*13)-(3-1)) = 24 \\
&4. ((1+(2*13))-3) = 24 \\
&5. (1+((2*13)-3)) = 24 \\
&6. (1-(3-(2*13))) = 24 \\
&115. [1, 2, 4, 4] \\
&1. ((1+2)*(4+4)) = 24 \\
&2. (((1*2)+4)*4) = 24 \\
&3. (((2/1)+4)*4) = 24 \\
&4. (((4-1)*2)*4) = 24 \\
&5. (((4-1)*4)*2) = 24 \\
&6. ((4-1)*(2*4)) = 24 \\
&7. (((1*4)+2)*4) = 24 \\
&8. ((1*4)*(2+4)) = 24 \\
&9. ((2+4)/(1/4)) = 24 \\
&10. (((4/1)+2)*4) = 24 \\
&11. ((4/1)*(2+4)) = 24 \\
&12. ((1*(2+4))*4) = 24 \\
&13. (4/(1/(2+4))) = 24 \\
&14. (((2+4)/1)*4) = 24 \\
&15. (1*((2+4)*4)) = 24 \\
&16. (((2+4)*4)/1) = 24 \\
&116. [1, 2, 4, 5] \\
&1. ((5-(1-2))*4) = 24 \\
&2. (((2-1)+5)*4) = 24 \\
&3. ((2-(1-5))*4) = 24 \\
&4. (((5-1)+2)*4) = 24 \\
&5. ((5-1)*(2+4)) = 24
\end{aligned}$$

$$\begin{aligned}
&6. (((2+5)-1)*4) = 24 \\
&117. [1, 2, 4, 6] \\
&1. (((2-1)*6)*4) = 24 \\
&2. (4/((2-1)/6)) = 24 \\
&3. ((6/(2-1))*4) = 24 \\
&4. (((2-1)*4)*6) = 24 \\
&5. (6/((2-1)/4)) = 24 \\
&6. ((4/(2-1))*6) = 24 \\
&7. ((2-1)*(6*4)) = 24 \\
&8. ((6*4)/(2-1)) = 24 \\
&9. ((4-1)*(2+6)) = 24 \\
&10. ((2-1)*(4*6)) = 24 \\
&11. ((4*6)/(2-1)) = 24 \\
&118. [1, 2, 4, 7] \\
&1. (((1-2)+7)*4) = 24 \\
&2. ((7-(2-1))*4) = 24 \\
&3. (((1+4)+7)*2) = 24 \\
&4. (((1+7)-2)*4) = 24 \\
&5. (((1+7)+4)*2) = 24 \\
&6. ((1-(2-7))*4) = 24 \\
&7. ((1+(7-2))*4) = 24 \\
&8. ((1+(4+7))*2) = 24 \\
&119. [1, 2, 4, 8] \\
&1. (((1-2)+4)*8) = 24 \\
&2. ((4-(2-1))*8) = 24 \\
&3. ((8-(1*2))*4) = 24 \\
&4. ((1*2)*(8+4)) = 24 \\
&5. ((8+4)/(1/2)) = 24 \\
&6. ((8-(2/1))*4) = 24 \\
&7. ((2/1)*(8+4)) = 24 \\
&8. (((1+4)-2)*8) = 24 \\
&9. (((1*4)+8)*2) = 24 \\
&10. ((1*4)*(8-2)) = 24 \\
&11. ((8-2)/(1/4)) = 24 \\
&12. (((4/1)+8)*2) = 24 \\
&13. ((4/1)*(8-2)) = 24 \\
&14. (((1*8)-2)*4) = 24 \\
&15. (((1*8)+4)*2) = 24 \\
&16. (((8/1)-2)*4) = 24 \\
&17. (((8/1)+4)*2) = 24 \\
&18. ((1-(2-4))*8) = 24 \\
&19. ((1+(4-2))*8) = 24 \\
&20. ((1+(4/2))*8) = 24 \\
&21. ((1*(8-2))*4) = 24 \\
&22. (4/(1/(8-2))) = 24 \\
&23. (((8-2)/1)*4) = 24
\end{aligned}$$

$$\begin{aligned}
&24. (1*((8-2)*4)) = 24 \\
&25. (((8-2)*4)/1) = 24 \\
&26. ((1*2)*(4+8)) = 24 \\
&27. ((4+8)/(1/2)) = 24 \\
&28. ((2/1)*(4+8)) = 24 \\
&29. ((1*(4+8))*2) = 24 \\
&30. (2/(1/(4+8))) = 24 \\
&31. (((4+8)/1)*2) = 24 \\
&32. (1*(2*(4+8))) = 24 \\
&33. ((2*(4+8))/1) = 24 \\
&120. [1, 2, 4, 9] \\
&1. ((9-(1+2))*4) = 24 \\
&2. ((9-(1-4))*2) = 24 \\
&3. (((4-1)+9)*2) = 24 \\
&4. (((1+9)*2)+4) = 24 \\
&5. ((4-(1-9))*2) = 24 \\
&6. (((9-1)-2)*4) = 24 \\
&7. (((9-1)+4)*2) = 24 \\
&8. (((9-2)-1)*4) = 24 \\
&9. (((4+9)-1)*2) = 24 \\
&121. [1, 2, 4, 10] \\
&1. (((1*2)*10)+4) = 24 \\
&2. ((10/(1/2))+4) = 24 \\
&3. (((2/1)*10)+4) = 24 \\
&4. ((1-4)*(2-10)) = 24 \\
&5. ((4-1)*(10-2)) = 24 \\
&6. ((1*4)+(2*10)) = 24 \\
&7. ((4/1)+(2*10)) = 24 \\
&8. (((1*10)*2)+4) = 24 \\
&9. ((2/(1/10))+4) = 24 \\
&10. (((10/1)*2)+4) = 24 \\
&11. ((1*(2*10))+4) = 24 \\
&12. (((2*10)/1)+4) = 24 \\
&13. (1*((2*10)+4)) = 24 \\
&14. (((2*10)+4)/1) = 24 \\
&15. ((1+(10/2))*4) = 24 \\
&122. [1, 2, 4, 11] \\
&1. (((1+11)/2)*4) = 24 \\
&2. (4/(2/(1+11))) = 24 \\
&3. (((1+11)*4)/2) = 24 \\
&4. ((1+11)*(4-2)) = 24 \\
&5. ((1+11)/(2/4)) = 24 \\
&6. ((1+11)*(4/2)) = 24 \\
&7. (4-((1-11)*2)) = 24 \\
&8. (((11-1)*2)+4) = 24
\end{aligned}$$

$$\begin{aligned}
&123. [1, 2, 4, 12] \\
&1. (((1+2)*4)+12) = 24 \\
&2. ((1+2)*(12-4)) = 24 \\
&3. (4/((1*2)/12)) = 24 \\
&4. ((12/(1*2))*4) = 24 \\
&5. ((4-(1*2))*12) = 24 \\
&6. (12/((1*2)/4)) = 24 \\
&7. ((4/(1*2))*12) = 24 \\
&8. ((12*4)/(1*2)) = 24 \\
&9. (((1/2)*12)*4) = 24 \\
&10. (((1/2)*4)*12) = 24 \\
&11. ((1/2)*(12*4)) = 24 \\
&12. (4/((2/1)/12)) = 24 \\
&13. ((12/(2/1))*4) = 24 \\
&14. ((4-(2/1))*12) = 24 \\
&15. (12/((2/1)/4)) = 24 \\
&16. ((4/(2/1))*12) = 24 \\
&17. ((12*4)/(2/1)) = 24 \\
&18. (((1*4)-2)*12) = 24 \\
&19. (((1*4)/2)*12) = 24 \\
&20. (12/(2/(1*4))) = 24 \\
&21. (((1*4)*12)/2) = 24 \\
&22. ((1*4)/(2/12)) = 24 \\
&23. ((1*4)*(12/2)) = 24 \\
&24. (12/((1/4)*2)) = 24 \\
&25. ((12/(1/4))/2) = 24 \\
&26. ((12/2)/(1/4)) = 24 \\
&27. (((4/1)-2)*12) = 24 \\
&28. (((4/1)/2)*12) = 24 \\
&29. (12/(2/(4/1))) = 24 \\
&30. (((4/1)*12)/2) = 24 \\
&31. ((4/1)/(2/12)) = 24 \\
&32. ((4/1)*(12/2)) = 24 \\
&33. (((1*12)/2)*4) = 24 \\
&34. (4/(2/(1*12))) = 24 \\
&35. (((1*12)*4)/2) = 24 \\
&36. ((1*12)*(4-2)) = 24 \\
&37. ((1*12)/(2/4)) = 24 \\
&38. ((1*12)*(4/2)) = 24 \\
&39. (4/((1/12)*2)) = 24 \\
&40. ((4/(1/12))/2) = 24 \\
&41. ((4-2)/(1/12)) = 24 \\
&42. ((4/2)/(1/12)) = 24 \\
&43. (((12/1)/2)*4) = 24 \\
&44. (4/(2/(12/1))) = 24 \\
&45. (((12/1)*4)/2) = 24 \\
&46. ((12/1)*(4-2)) = 24 \\
&47. ((12/1)/(2/4)) = 24 \\
&48. ((12/1)*(4/2)) = 24
\end{aligned}$$

$$\begin{aligned}
49. & ((1*(4-2))*12) = 24 \\
50. & (12/(1/(4-2))) = 24 \\
51. & (((4-2)/1)*12) = 24 \\
52. & (1*((4-2)*12)) = 24 \\
53. & (((4-2)*12)/1) = 24 \\
54. & (12/(1-(2/4))) = 24 \\
55. & (12/(1*(2/4))) = 24 \\
56. & ((1/(2/4))*12) = 24 \\
57. & (12/((2/4)/1)) = 24 \\
58. & (1/((2/4)/12)) = 24 \\
59. & (1*(12/(2/4))) = 24 \\
60. & ((12/(2/4))/1) = 24 \\
61. & ((1*(4/2))*12) = 24 \\
62. & (12/(1/(4/2))) = 24 \\
63. & (((4/2)/1)*12) = 24 \\
64. & (1*((4/2)*12)) = 24 \\
65. & (((4/2)*12)/1) = 24 \\
66. & (4/(1*(2/12))) = 24 \\
67. & ((1/(2/12))*4) = 24 \\
68. & (4/((2/12)/1)) = 24 \\
69. & (1/((2/12)/4)) = 24 \\
70. & (1*(4/(2/12))) = 24 \\
71. & ((4/(2/12))/1) = 24 \\
72. & ((1*(12/2))*4) = 24 \\
73. & (4/(1/(12/2))) = 24 \\
74. & (((12/2)/1)*4) = 24 \\
75. & (1*((12/2)*4)) = 24 \\
76. & (((12/2)*4)/1) = 24 \\
77. & ((4*12)/(1*2)) = 24 \\
78. & ((1/2)*(4*12)) = 24 \\
79. & ((4*12)/(2/1)) = 24 \\
80. & ((1*(4*12))/2) = 24 \\
81. & (((4*12)/1)/2) = 24 \\
82. & (1/(2/(4*12))) = 24 \\
83. & (1*((4*12)/2)) = 24 \\
84. & (((4*12)/2)/1) = 24
\end{aligned}$$

124. [1, 2, 4, 13]

$$\begin{aligned}
1. & (((1+13)*2)-4) = 24 \\
2. & ((1-13)*(2-4)) = 24 \\
3. & (((13-1)/2)*4) = 24 \\
4. & (4/(2/(13-1))) = 24 \\
5. & (((13-1)*4)/2) = 24 \\
6. & ((13-1)*(4-2)) = 24 \\
7. & ((13-1)/(2/4)) = 24 \\
8. & ((13-1)*(4/2)) = 24
\end{aligned}$$

125. [1, 2, 5, 5]

$$1. ((1-2)+(5*5)) = 24$$

$$\begin{aligned}
2. & ((5*5)-(2-1)) = 24 \\
3. & ((1+(5*5))-2) = 24 \\
4. & (1-(2-(5*5))) = 24 \\
5. & (1+((5*5)-2)) = 24
\end{aligned}$$

126. [1, 2, 5, 6]

$$\begin{aligned}
1. & (((1-2)+5)*6) = 24 \\
2. & ((5-(2-1))*6) = 24 \\
3. & (((1+5)-2)*6) = 24 \\
4. & (((1+5)+6)*2) = 24 \\
5. & ((1+5)*(6-2)) = 24 \\
6. & (((1+6)+5)*2) = 24 \\
7. & ((1-(2-5))*6) = 24 \\
8. & ((1+(5-2))*6) = 24 \\
9. & ((1+(5+6))*2) = 24
\end{aligned}$$

127. [1, 2, 5, 7]

$$\begin{aligned}
1. & ((1*2)*(7+5)) = 24 \\
2. & ((7+5)/(1/2)) = 24 \\
3. & ((2/1)*(7+5)) = 24 \\
4. & (((1*5)+7)*2) = 24 \\
5. & (((5/1)+7)*2) = 24 \\
6. & ((1+7)*(5-2)) = 24 \\
7. & (((1*7)+5)*2) = 24 \\
8. & (((7/1)+5)*2) = 24 \\
9. & (((7-2)*5)-1) = 24 \\
10. & ((1*2)*(5+7)) = 24 \\
11. & ((5+7)/(1/2)) = 24 \\
12. & ((2/1)*(5+7)) = 24 \\
13. & ((1*(5+7))*2) = 24 \\
14. & (2/(1/(5+7))) = 24 \\
15. & (((5+7)/1)*2) = 24 \\
16. & (1*(2*(5+7))) = 24 \\
17. & ((2*(5+7))/1) = 24
\end{aligned}$$

128. [1, 2, 5, 8]

$$\begin{aligned}
1. & ((5-(1*2))*8) = 24 \\
2. & ((5-(2/1))*8) = 24 \\
3. & (((1+5)/2)*8) = 24 \\
4. & (8/(2/(1+5))) = 24 \\
5. & (((1+5)*8)/2) = 24 \\
6. & ((1+5)/(2/8)) = 24 \\
7. & ((1+5)*(8/2)) = 24 \\
8. & ((8-(1-5))*2) = 24 \\
9. & ((1-5)*(2-8)) = 24 \\
10. & (((5-1)+8)*2) = 24 \\
11. & ((5-1)*(8-2)) = 24 \\
12. & (((1*5)-2)*8) = 24 \\
13. & (((5/1)-2)*8) = 24
\end{aligned}$$

$$\begin{aligned}
14. & ((5-(1-8))*2) = 24 \\
15. & (((8-1)+5)*2) = 24 \\
16. & ((1*8)*(5-2)) = 24 \\
17. & ((5-2)/(1/8)) = 24 \\
18. & ((8/1)*(5-2)) = 24 \\
19. & ((1*(5-2))*8) = 24 \\
20. & (8/(1/(5-2))) = 24 \\
21. & (((5-2)/1)*8) = 24 \\
22. & (1*((5-2)*8)) = 24 \\
23. & (((5-2)*8)/1) = 24 \\
24. & (((5+8)-1)*2) = 24
\end{aligned}$$

129. [1, 2, 5, 9]

$$\begin{aligned}
1. & (((1+2)*5)+9) = 24 \\
2. & ((1+5)+(2*9)) = 24 \\
3. & ((1-9)*(2-5)) = 24 \\
4. & ((9-1)*(5-2)) = 24 \\
5. & ((1+(2*9))+5) = 24 \\
6. & (1+((2*9)+5)) = 24
\end{aligned}$$

130. [1, 2, 5, 10]

$$\begin{aligned}
1. & ((2*10)-(1-5)) = 24 \\
2. & ((5-1)+(2*10)) = 24 \\
3. & ((10/(2/5))-1) = 24 \\
4. & (((5/2)*10)-1) = 24 \\
5. & (5-(1-(2*10))) = 24 \\
6. & (((2*10)-1)+5) = 24 \\
7. & (((2*10)+5)-1) = 24 \\
8. & ((5/(2/10))-1) = 24 \\
9. & (((10/2)*5)-1) = 24 \\
10. & (((5*10)/2)-1) = 24
\end{aligned}$$

131. [1, 2, 5, 11]

无解

132. [1, 2, 5, 12]

$$\begin{aligned}
1. & ((5-(1+2))*12) = 24 \\
2. & (((1+5)*2)+12) = 24 \\
3. & (((5-1)-2)*12) = 24 \\
4. & (((5-1)/2)*12) = 24 \\
5. & (12/(2/(5-1))) = 24 \\
6. & (((5-1)*12)/2) = 24 \\
7. & ((5-1)/(2/12)) = 24 \\
8. & ((5-1)*(12/2)) = 24 \\
9. & (((5-2)-1)*12) = 24
\end{aligned}$$

133. [1, 2, 5, 13]

$$\begin{aligned}
1. & ((1+2)*(13-5)) = 24 \\
2. & ((1+13)+(2*5)) = 24
\end{aligned}$$

$$\begin{aligned}
3. & ((1+(2*5))+13) = 24 \\
4. & (1+((2*5)+13)) = 24
\end{aligned}$$

134. [1, 2, 6, 6]

$$\begin{aligned}
1. & (((1+2)*6)+6) = 24 \\
2. & ((6-(1*2))*6) = 24 \\
3. & ((1*2)*(6+6)) = 24 \\
4. & ((6+6)/(1/2)) = 24 \\
5. & ((6-(2/1))*6) = 24 \\
6. & ((2/1)*(6+6)) = 24 \\
7. & (((1*6)-2)*6) = 24 \\
8. & (((1*6)+6)*2) = 24 \\
9. & ((1*6)*(6-2)) = 24 \\
10. & ((6-2)/(1/6)) = 24 \\
11. & (((6/1)-2)*6) = 24 \\
12. & (((6/1)+6)*2) = 24 \\
13. & ((6/1)*(6-2)) = 24 \\
14. & ((1*(6-2))*6) = 24 \\
15. & (6/(1/(6-2))) = 24 \\
16. & (((6-2)/1)*6) = 24 \\
17. & (1*((6-2)*6)) = 24 \\
18. & (((6-2)*6)/1) = 24 \\
19. & ((1+(6/2))*6) = 24 \\
20. & ((1*(6+6))*2) = 24 \\
21. & (2/(1/(6+6))) = 24 \\
22. & (((6+6)/1)*2) = 24 \\
23. & (1*(2*(6+6))) = 24 \\
24. & ((2*(6+6))/1) = 24
\end{aligned}$$

135. [1, 2, 6, 7]

$$\begin{aligned}
1. & ((7-(1+2))*6) = 24 \\
2. & ((7-(1-6))*2) = 24 \\
3. & (((6-1)+7)*2) = 24 \\
4. & (((1+7)/2)*6) = 24 \\
5. & (6/(2/(1+7))) = 24 \\
6. & (((1+7)*6)/2) = 24 \\
7. & ((1+7)/(2/6)) = 24 \\
8. & ((1+7)*(6/2)) = 24 \\
9. & ((6-(1-7))*2) = 24 \\
10. & ((1-7)*(2-6)) = 24 \\
11. & (((7-1)-2)*6) = 24 \\
12. & (((7-1)+6)*2) = 24 \\
13. & ((7-1)*(6-2)) = 24 \\
14. & (((7-2)-1)*6) = 24 \\
15. & (((6+7)-1)*2) = 24
\end{aligned}$$

136. [1, 2, 6, 8]

$$\begin{aligned}
1. & ((6-(1+2))*8) = 24 \\
2. & (6/((1*2)/8)) = 24
\end{aligned}$$

$$\begin{aligned}
&3. ((8/(1*2))*6) = 24 \\
&4. (8/((1*2)/6)) = 24 \\
&5. ((6/(1*2))*8) = 24 \\
&6. ((8*6)/(1*2)) = 24 \\
&7. (((1/2)*8)*6) = 24 \\
&8. (((1/2)*6)*8) = 24 \\
&9. ((1/2)*(8*6)) = 24 \\
&10. (6/((2/1)/8)) = 24 \\
&11. ((8/(2/1))*6) = 24 \\
&12. (8/((2/1)/6)) = 24 \\
&13. ((6/(2/1))*8) = 24 \\
&14. ((8*6)/(2/1)) = 24 \\
&15. (((6-1)-2)*8) = 24 \\
&16. (((1*6)/2)*8) = 24 \\
&17. (8/(2/(1*6))) = 24 \\
&18. (((1*6)*8)/2) = 24 \\
&19. ((1*6)/(2/8)) = 24 \\
&20. ((1*6)*(8/2)) = 24 \\
&21. (8/((1/6)*2)) = 24 \\
&22. ((8/(1/6))/2) = 24 \\
&23. ((8/2)/(1/6)) = 24 \\
&24. (((6/1/2)*8) = 24 \\
&25. (8/(2/(6/1))) = 24 \\
&26. (((6/1)*8)/2) = 24 \\
&27. ((6/1)/(2/8)) = 24 \\
&28. ((6/1)*(8/2)) = 24 \\
&29. (((1+8)*2)+6) = 24 \\
&30. (((1*8)/2)*6) = 24 \\
&31. (6/(2/(1*8))) = 24 \\
&32. (((1*8)*6)/2) = 24 \\
&33. ((1*8)/(2/6)) = 24 \\
&34. ((1*8)*(6/2)) = 24 \\
&35. (6/((1/8)*2)) = 24 \\
&36. ((6/(1/8))/2) = 24 \\
&37. ((6/2)/(1/8)) = 24 \\
&38. (((8/1)/2)*6) = 24 \\
&39. (6/(2/(8/1))) = 24 \\
&40. (((8/1)*6)/2) = 24 \\
&41. ((8/1)/(2/6)) = 24 \\
&42. ((8/1)*(6/2)) = 24 \\
&43. (((6-2)-1)*8) = 24 \\
&44. (8/(1*(2/6))) = 24 \\
&45. ((1/(2/6))*8) = 24 \\
&46. (8/((2/6)/1)) = 24 \\
&47. (1/((2/6)/8)) = 24 \\
&48. (1*(8/(2/6))) = 24 \\
&49. ((8/(2/6))/1) = 24 \\
&50. ((1*(6/2))*8) = 24 \\
&51. (8/(1/(6/2))) = 24
\end{aligned}$$

$$\begin{aligned}
&52. (((6/2)/1)*8) = 24 \\
&53. (1*((6/2)*8)) = 24 \\
&54. (((6/2)*8)/1) = 24 \\
&55. (6/(1*(2/8))) = 24 \\
&56. ((1/(2/8))*6) = 24 \\
&57. (6/((2/8)/1)) = 24 \\
&58. (1/((2/8)/6)) = 24 \\
&59. (1*(6/(2/8))) = 24 \\
&60. ((6/(2/8))/1) = 24 \\
&61. ((1*(8/2))*6) = 24 \\
&62. (6/(1/(8/2))) = 24 \\
&63. (((8/2)/1)*6) = 24 \\
&64. (1*((8/2)*6)) = 24 \\
&65. (((8/2)*6)/1) = 24 \\
&66. ((6*8)/(1*2)) = 24 \\
&67. ((1/2)*(6*8)) = 24 \\
&68. ((6*8)/(2/1)) = 24 \\
&69. ((1*(6*8))/2) = 24 \\
&70. (((6*8)/1)/2) = 24 \\
&71. (1/(2/(6*8))) = 24 \\
&72. (1*((6*8)/2)) = 24 \\
&73. (((6*8)/2)/1) = 24 \\
&137. [1, 2, 6, 9] \\
&1. (((1*2)*9)+6) = 24 \\
&2. ((9/(1/2))+6) = 24 \\
&3. (((2/1)*9)+6) = 24 \\
&4. ((1*6)+(2*9)) = 24 \\
&5. ((6/1)+(2*9)) = 24 \\
&6. (((9-1)/2)*6) = 24 \\
&7. (6/(2/(9-1))) = 24 \\
&8. (((9-1)*6)/2) = 24 \\
&9. ((9-1)/(2/6)) = 24 \\
&10. ((9-1)*(6/2)) = 24 \\
&11. (((1*9)*2)+6) = 24 \\
&12. ((2/(1/9))+6) = 24 \\
&13. (((9/1)*2)+6) = 24 \\
&14. ((1*(2*9))+6) = 24 \\
&15. (((2*9)/1)+6) = 24 \\
&16. (1*((2*9)+6)) = 24 \\
&17. (((2*9)+6)/1) = 24 \\
&138. [1, 2, 6, 10] \\
&1. (((1+2)*10)-6) = 24 \\
&2. (((1+6)*2)+10) = 24 \\
&3. (6-((1-10)*2)) = 24 \\
&4. (((10-1)*2)+6) = 24 \\
&5. (((10/2)-1)*6) = 24
\end{aligned}$$

$$\begin{aligned}
&139. [1, 2, 6, 11] \\
&1. ((1+11)+(2*6)) = 24 \\
&2. ((1+(2*6))+11) = 24 \\
&3. (1+((2*6)+11)) = 24 \\
&140. [1, 2, 6, 12] \\
&1. (6/((1+2)/12)) = 24 \\
&2. ((12/(1+2))*6) = 24 \\
&3. (12/((1+2)/6)) = 24 \\
&4. ((6/(1+2))*12) = 24 \\
&5. ((12*6)/(1+2)) = 24 \\
&6. (((1*2)*6)+12) = 24 \\
&7. ((6/(1/2))+12) = 24 \\
&8. (((2/1)*6)+12) = 24 \\
&9. (((1*6)*2)+12) = 24 \\
&10. ((2/(1/6))+12) = 24 \\
&11. (((6/1)*2)+12) = 24 \\
&12. ((1*12)+(2*6)) = 24 \\
&13. ((12/1)+(2*6)) = 24 \\
&14. ((1*(2*6))+12) = 24 \\
&15. (((2*6)/1)+12) = 24 \\
&16. (1*((2*6)+12)) = 24 \\
&17. (((2*6)+12)/1) = 24 \\
&18. (((6/2)-1)*12) = 24 \\
&19. ((6*12)/(1+2)) = 24 \\
&141. [1, 2, 6, 13] \\
&1. ((2*6)-(1-13)) = 24 \\
&2. ((13-1)+(2*6)) = 24 \\
&3. (13-(1-(2*6))) = 24 \\
&4. (((2*6)-1)+13) = 24 \\
&5. (((2*6)+13)-1) = 24 \\
&142. [1, 2, 7, 7] \\
&1. (((7*7)-1)/2) = 24 \\
&143. [1, 2, 7, 8] \\
&1. (((1+7)*2)+8) = 24 \\
&2. ((1+7)+(2*8)) = 24 \\
&3. (((7-1)/2)*8) = 24 \\
&4. (8/(2/(7-1))) = 24 \\
&5. (((7-1)*8)/2) = 24 \\
&6. ((7-1)/(2/8)) = 24 \\
&7. ((7-1)*(8/2)) = 24 \\
&8. ((1+(2*8))+7) = 24 \\
&9. (1+((2*8)+7)) = 24 \\
&144. [1, 2, 7, 9] \\
&1. ((2*9)-(1-7)) = 24
\end{aligned}$$

$$\begin{aligned}
&2. ((7-1)+(2*9)) = 24 \\
&3. ((1+9)+(2*7)) = 24 \\
&4. ((1+(2*7))+9) = 24 \\
&5. (1+((2*7)+9)) = 24 \\
&6. (7-(1-(2*9))) = 24 \\
&7. (((2*9)-1)+7) = 24 \\
&8. (((2*9)+7)-1) = 24 \\
&145. [1, 2, 7, 10] \\
&1. (((1*2)*7)+10) = 24 \\
&2. ((7/(1/2))+10) = 24 \\
&3. (((2/1)*7)+10) = 24 \\
&4. (((1*7)*2)+10) = 24 \\
&5. ((2/(1/7))+10) = 24 \\
&6. (((7/1)*2)+10) = 24 \\
&7. ((1*10)+(2*7)) = 24 \\
&8. ((10/1)+(2*7)) = 24 \\
&9. ((1*(2*7))+10) = 24 \\
&10. (((2*7)/1)+10) = 24 \\
&11. (1*((2*7)+10)) = 24 \\
&12. (((2*7)+10)/1) = 24 \\
&146. [1, 2, 7, 11] \\
&1. ((2*7)-(1-11)) = 24 \\
&2. ((11-1)+(2*7)) = 24 \\
&3. (11-(1-(2*7))) = 24 \\
&4. (((2*7)-1)+11) = 24 \\
&5. (((2*7)+11)-1) = 24 \\
&147. [1, 2, 7, 12] \\
&1. (12-((1-7)*2)) = 24 \\
&2. (((7-1)*2)+12) = 24 \\
&148. [1, 2, 7, 13] \\
&无解 \\
&149. [1, 2, 8, 8] \\
&1. (((1*2)*8)+8) = 24 \\
&2. ((8/(1/2))+8) = 24 \\
&3. (((2/1)*8)+8) = 24 \\
&4. (((1*8)*2)+8) = 24 \\
&5. ((1*8)+(2*8)) = 24 \\
&6. ((2/(1/8))+8) = 24 \\
&7. (((8/1)*2)+8) = 24 \\
&8. ((8/1)+(2*8)) = 24 \\
&9. ((1*(2*8))+8) = 24 \\
&10. (((2*8)/1)+8) = 24 \\
&11. (1*((2*8)+8)) = 24 \\
&12. (((2*8)+8)/1) = 24
\end{aligned}$$

$$13. (((8/2)-1)*8) = 24$$

$$150. [1, 2, 8, 9]$$

$$1. (8/((1+2)/9)) = 24$$

$$2. ((9/(1+2))*8) = 24$$

$$3. (9/((1+2)/8)) = 24$$

$$4. ((8/(1+2))*9) = 24$$

$$5. ((9*8)/(1+2)) = 24$$

$$6. (8-((1-9)*2)) = 24$$

$$7. ((2*8)-(1-9)) = 24$$

$$8. (((9-1)*2)+8) = 24$$

$$9. ((9-1)+(2*8)) = 24$$

$$10. (9-(1-(2*8))) = 24$$

$$11. (((2*8)-1)+9) = 24$$

$$12. (((2*8)+9)-1) = 24$$

$$13. ((8*9)/(1+2)) = 24$$

$$151. [1, 2, 8, 10]$$

$$1. (10-((1-8)*2)) = 24$$

$$2. (((8-1)*2)+10) = 24$$

$$152. [1, 2, 8, 11]$$

无解

$$153. [1, 2, 8, 12]$$

无解

$$154. [1, 2, 8, 13]$$

$$1. (((1+2)+13)+8) = 24$$

$$2. (((1+2)+8)+13) = 24$$

$$3. ((1+2)+(13+8)) = 24$$

$$4. (((1+8)+2)+13) = 24$$

$$5. (((1+8)+13)+2) = 24$$

$$6. ((1+8)+(2+13)) = 24$$

$$7. (((1+13)+2)+8) = 24$$

$$8. (((1+13)+8)+2) = 24$$

$$9. ((1+13)+(2+8)) = 24$$

$$10. ((1+(2+8))+13) = 24$$

$$11. (1+((2+8)+13)) = 24$$

$$12. ((1+(2+13))+8) = 24$$

$$13. (1+((2+13)+8)) = 24$$

$$14. ((1+2)+(8+13)) = 24$$

$$15. ((1+(8+13))+2) = 24$$

$$16. (1+(2+(8+13))) = 24$$

$$155. [1, 2, 9, 9]$$

无解

$$156. [1, 2, 9, 10]$$

无解

$$157. [1, 2, 9, 11]$$

$$1. (((1+2)*11)-9) = 24$$

$$158. [1, 2, 9, 12]$$

$$1. (((1+2)+12)+9) = 24$$

$$2. (((1+2)+9)+12) = 24$$

$$3. ((1+2)+(12+9)) = 24$$

$$4. (((1+9)+2)+12) = 24$$

$$5. (((1+9)+12)+2) = 24$$

$$6. ((1+9)+(2+12)) = 24$$

$$7. (((1+12)+2)+9) = 24$$

$$8. (((1+12)+9)+2) = 24$$

$$9. ((1+12)+(2+9)) = 24$$

$$10. ((1+(2+9))+12) = 24$$

$$11. (1+((2+9)+12)) = 24$$

$$12. ((1+(2+12))+9) = 24$$

$$13. (1+((2+12)+9)) = 24$$

$$14. ((1+2)+(9+12)) = 24$$

$$15. ((1+(9+12))+2) = 24$$

$$16. (1+(2+(9+12))) = 24$$

$$159. [1, 2, 9, 13]$$

$$1. (((1*2)+13)+9) = 24$$

$$2. (((1*2)+9)+13) = 24$$

$$3. ((1*2)+(13+9)) = 24$$

$$4. (((2/1)+13)+9) = 24$$

$$5. (((2/1)+9)+13) = 24$$

$$6. ((2/1)+(13+9)) = 24$$

$$7. (((1*9)+2)+13) = 24$$

$$8. (((1*9)+13)+2) = 24$$

$$9. ((1*9)+(2+13)) = 24$$

$$10. (((9/1)+2)+13) = 24$$

$$11. (((9/1)+13)+2) = 24$$

$$12. ((9/1)+(2+13)) = 24$$

$$13. (((1*13)+2)+9) = 24$$

$$14. (((1*13)+9)+2) = 24$$

$$15. ((1*13)+(2+9)) = 24$$

$$16. (((13/1)+2)+9) = 24$$

$$17. (((13/1)+9)+2) = 24$$

$$18. ((13/1)+(2+9)) = 24$$

$$19. ((1*(2+9))+13) = 24$$

$$20. (((2+9)/1)+13) = 24$$

$$21. (1*((2+9)+13)) = 24$$

$$22. (((2+9)+13)/1) = 24$$

$$23. ((1*(2+13))+9) = 24$$

$$24. (((2+13)/1)+9) = 24$$

$$25. (1*((2+13)+9)) = 24$$

$$26. (((2+13)+9)/1) = 24$$

$$27. ((1*2)+(9+13)) = 24$$

$$28. ((2/1)+(9+13)) = 24$$

$$29. ((1*(9+13))+2) = 24$$

$$30. (((9+13)/1)+2) = 24$$

$$31. (1*(2+(9+13))) = 24$$

$$32. ((2+(9+13))/1) = 24$$

$$160. [1, 2, 10, 10]$$

无解

$$161. [1, 2, 10, 11]$$

$$1. (((1+2)+11)+10) = 24$$

$$2. (((1+2)+10)+11) = 24$$

$$3. ((1+2)+(11+10)) = 24$$

$$4. (((1+10)+2)+11) = 24$$

$$5. (((1+10)+11)+2) = 24$$

$$6. ((1+10)+(2+11)) = 24$$

$$7. (((1+11)+2)+10) = 24$$

$$8. (((1+11)+10)+2) = 24$$

$$9. ((1+11)+(2+10)) = 24$$

$$10. ((1+(2+10))+11) = 24$$

$$11. (1+((2+10)+11)) = 24$$

$$12. ((1+(2+11))+10) = 24$$

$$13. (1+((2+11)+10)) = 24$$

$$14. ((1+2)+(10+11)) = 24$$

$$15. ((1+(10+11))+2) = 24$$

$$16. (1+(2+(10+11))) = 24$$

$$162. [1, 2, 10, 12]$$

$$1. (((1*2)+12)+10) = 24$$

$$2. (((1*2)+10)+12) = 24$$

$$3. ((1*2)+(12+10)) = 24$$

$$4. (((2/1)+12)+10) = 24$$

$$5. (((2/1)+10)+12) = 24$$

$$6. ((2/1)+(12+10)) = 24$$

$$7. (((1*10)+2)+12) = 24$$

$$8. (((1*10)+12)+2) = 24$$

$$9. ((1*10)+(2+12)) = 24$$

$$10. (((10/1)+2)+12) = 24$$

$$11. (((10/1)+12)+2) = 24$$

$$12. ((10/1)+(2+12)) = 24$$

$$13. (((1*12)+2)+10) = 24$$

$$14. (((1*12)+10)+2) = 24$$

$$15. ((1*12)+(2+10)) = 24$$

$$16. (((12/1)+2)+10) = 24$$

$$17. (((12/1)+10)+2) = 24$$

$$18. ((12/1)+(2+10)) = 24$$

$$19. ((1*(2+10))+12) = 24$$

$$20. (((2+10)/1)+12) = 24$$

$$21. (1*((2+10)+12)) = 24$$

$$22. (((2+10)+12)/1) = 24$$

$$23. ((1*(2+12))+10) = 24$$

$$24. (((2+12)/1)+10) = 24$$

$$25. (1*((2+12)+10)) = 24$$

$$26. (((2+12)+10)/1) = 24$$

$$27. ((1*2)+(10+12)) = 24$$

$$28. ((2/1)+(10+12)) = 24$$

$$29. ((1*(10+12))+2) = 24$$

$$30. (((10+12)/1)+2) = 24$$

$$31. (1*(2+(10+12))) = 24$$

$$32. ((2+(10+12))/1) = 24$$

$$163. [1, 2, 10, 13]$$

$$1. (10-((1-2)-13)) = 24$$

$$2. ((13-(1-2))+10) = 24$$

$$3. (13-((1-2)-10)) = 24$$

$$4. ((10-(1-2))+13) = 24$$

$$5. ((13+10)-(1-2)) = 24$$

$$6. (((2-1)+13)+10) = 24$$

$$7. (((2-1)+10)+13) = 24$$

$$8. ((2-1)+(13+10)) = 24$$

$$9. (13-((1-10)-2)) = 24$$

$$10. ((2-(1-10))+13) = 24$$

$$11. (2-((1-10)-13)) = 24$$

$$12. ((13-(1-10))+2) = 24$$

$$13. ((2+13)-(1-10)) = 24$$

$$14. (((10-1)+2)+13) = 24$$

$$15. (((10-1)+13)+2) = 24$$

$$16. ((10-1)+(2+13)) = 24$$

$$17. (10-((1-13)-2)) = 24$$

$$18. ((2-(1-13))+10) = 24$$

$$19. (2-((1-13)-10)) = 24$$

$$20. ((10-(1-13))+2) = 24$$

$$21. ((2+10)-(1-13)) = 24$$

$$22. (((13-1)+2)+10) = 24$$

$$23. (((13-1)+10)+2) = 24$$

$$24. ((13-1)+(2+10)) = 24$$

$$25. (13-(1-(2+10))) = 24$$

$$26. (((2+10)-1)+13) = 24$$

$$27. (((2+10)+13)-1) = 24$$

$$28. (10-(1-(2+13))) = 24$$

$$29. (((2+13)-1)+10) = 24$$

$$30. (((2+13)+10)-1) = 24$$

$$31. ((10+13)-(1-2)) = 24$$

$$32. ((2-1)+(10+13)) = 24$$

$$33. (2-(1-(10+13))) = 24$$

$$34. (((10+13)-1)+2) = 24$$

$$35. ((2+(10+13))-1) = 24$$

$$164. [1, 2, 11, 11]$$

$$1. (((1*2)+11)+11) = 24$$

$$2. ((1*2)+(11+11)) = 24$$

$$3. (((2/1)+11)+11) = 24$$

$$4. ((2/1)+(11+11)) = 24$$

$$5. (((1*11)+2)+11) = 24$$

$$6. (((1*11)+11)+2) = 24$$

$$7. ((1*11)+(2+11)) = 24$$

$$8. (((11/1)+2)+11) = 24$$

$$9. (((11/1)+11)+2) = 24$$

$$10. ((11/1)+(2+11)) = 24$$

$$11. ((1*(2+11))+11) = 24$$

$$12. (((2+11)/1)+11) = 24$$

$$13. (1*((2+11)+11)) = 24$$

$$14. (((2+11)+11)/1) = 24$$

$$15. ((1*(11+11))+2) = 24$$

$$16. (((11+11)/1)+2) = 24$$

$$17. (1*(2+(11+11))) = 24$$

$$18. ((2+(11+11))/1) = 24$$

$$165. [1, 2, 11, 12]$$

$$1. (11-((1-2)-12)) = 24$$

$$2. ((12-(1-2))+11) = 24$$

$$3. (12-((1-2)-11)) = 24$$

$$4. ((11-(1-2))+12) = 24$$

$$5. ((12+11)-(1-2)) = 24$$

$$6. (((2-1)+12)+11) = 24$$

$$7. (((2-1)+11)+12) = 24$$

$$8. ((2-1)+(12+11)) = 24$$

$$9. (12-((1-11)-2)) = 24$$

$$10. ((2-(1-11))+12) = 24$$

$$11. (2-((1-11)-12)) = 24$$

$$12. ((12-(1-11))+2) = 24$$

$$13. ((2+12)-(1-11)) = 24$$

$$14. (((11-1)+2)+12) = 24$$

$$15. (((11-1)+12)+2) = 24$$

$$16. ((11-1)+(2+12)) = 24$$

$$17. (11-((1-12)-2)) = 24$$

$$18. ((2-(1-12))+11) = 24$$

$$19. (2-((1-12)-11)) = 24$$

$$20. ((11-(1-12))+2) = 24$$

$$21. ((2+11)-(1-12)) = 24$$

$$22. (((12-1)+2)+11) = 24$$

$$23. (((12-1)+11)+2) = 24$$

$$24. ((12-1)+(2+11)) = 24$$

$$25. (12-(1-(2+11))) = 24$$

$$26. (((2+11)-1)+12) = 24$$

$$27. (((2+11)+12)-1) = 24$$

$$28. (11-(1-(2+12))) = 24$$

$$29. (((2+12)-1)+11) = 24$$

$$30. (((2+12)+11)-1) = 24$$

$$31. ((11+12)-(1-2)) = 24$$

$$32. ((2-1)+(11+12)) = 24$$

$$33. (2-(1-(11+12))) = 24$$

$$34. (((11+12)-1)+2) = 24$$

$$35. ((2+(11+12))-1) = 24$$

$$36. (2/(1-(11/12))) = 24$$

$$166. [1, 2, 11, 13]$$

$$1. (11-((1-2)*13)) = 24$$

$$2. (11-(13/(1-2))) = 24$$

$$3. (13-((1-2)*11)) = 24$$

$$4. (13-(11/(1-2))) = 24$$

$$5. (((2-1)*13)+11) = 24$$

$$6. ((13/(2-1))+11) = 24$$

$$7. (((2-1)*11)+13) = 24$$

$$8. ((11/(2-1))+13) = 24$$

$$9. ((2-1)*(13+11)) = 24$$

$$10. ((13+11)/(2-1)) = 24$$

$$11. ((2-1)*(11+13)) = 24$$

$$12. ((11+13)/(2-1)) = 24$$

$$167. [1, 2, 12, 12]$$

$$1. (((1+2)*12)-12) = 24$$

$$2. (12-((1-2)*12)) = 24$$

$$3. (12-(12/(1-2))) = 24$$

$$4. (((2-1)*12)+12) = 24$$

$$5. ((12/(2-1))+12) = 24$$

$$6. ((2-1)*(12+12)) = 24$$

$$7. ((12+12)/(2-1)) = 24$$

$$168. [1, 2, 12, 13]$$

$$1. (((1-2)+13)+12) = 24$$

$$2. (((1-2)+12)+13) = 24$$

$$3. ((1-2)+(13+12)) = 24$$

$$4. (12-((2-1)-13)) = 24$$

$$5. ((13-(2-1))+12) = 24$$

$$6. (13-((2-1)-12)) = 24$$

$$7. ((12-(2-1))+13) = 24$$

$$8. ((13+12)-(2-1)) = 24$$

$$9. (((1+12)-2)+13) = 24$$

$$10. (13-(2-(1+12))) = 24$$

$$11. (((1+12)+13)-2) = 24$$

$$12. ((1+12)-(2-13)) = 24$$

$$13. ((1+12)+(13-2)) = 24$$

$$14. (((1+13)-2)+12) = 24$$

$$15. (12-(2-(1+13))) = 24$$

$$16. (((1+13)+12)-2) = 24$$

$$17. ((1+13)-(2-12)) = 24$$

$$18. ((1+13)+(12-2)) = 24$$

$$19. ((1-(2-12))+13) = 24$$

$$20. (13-((2-12)-1)) = 24$$

$$21. (1-((2-12)-13)) = 24$$

$$22. (1+(13-(2-12))) = 24$$

$$23. ((1+(12-2))+13) = 24$$

$$24. (1+((12-2)+13)) = 24$$

$$25. ((1-(2-13))+12) = 24$$

$$26. (12-((2-13)-1)) = 24$$

$$27. (1-((2-13)-12)) = 24$$

$$28. (1+(12-(2-13))) = 24$$

$$29. ((1+(13-2))+12) = 24$$

$$30. (1+((13-2)+12)) = 24$$

$$31. ((1-2)+(12+13)) = 24$$

$$32. ((12+13)-(2-1)) = 24$$

$$33. ((1+(12+13))-2) = 24$$

$$34. (1-(2-(12+13))) = 24$$

$$35. (1+((12+13)-2)) = 24$$

$$36. (2/((13/12)-1)) = 24$$

$$169. [1, 2, 13, 13]$$

$$1. (13-((1*2)-13)) = 24$$

$$2. ((13-(1*2))+13) = 24$$

$$3. ((13+13)-(1*2)) = 24$$

$$4. (13-((2/1)-13)) = 24$$

$$5. ((13-(2/1))+13) = 24$$

$$6. ((13+13)-(2/1)) = 24$$

$$7. (((1*13)-2)+13) = 24$$

$$8. (13-(2-(1*13))) = 24$$

$$9. (((1*13)+13)-2) = 24$$

$$10. ((1*13)-(2-13)) = 24$$

$$11. ((1*13)+(13-2)) = 24$$

$$12. (((13/1)-2)+13) = 24$$

$$13. (13-(2-(13/1))) = 24$$

$$14. (((13/1)+13)-2) = 24$$

$$15. ((13/1)-(2-13)) = 24$$

$$16. ((13/1)+(13-2)) = 24$$

$$17. (13-(1*(2-13))) = 24$$

$$18. (13-((2-13)/1)) = 24$$

$$19. (1*(13-(2-13))) = 24$$

$$20. ((13-(2-13))/1) = 24$$

$$21. ((1*(13-2))+13) = 24$$

$$22. (((13-2)/1)+13) = 24$$

$$23. (1*((13-2)+13)) = 24$$

$$24. (((13-2)+13)/1) = 24$$

$$25. ((1*(13+13))-2) = 24$$

$$26. (((13+13)/1)-2) = 24$$

$$27. (1*((13+13)-2)) = 24$$

$$28. (((13+13)-2)/1) = 24$$

$$170. [1, 3, 3, 3]$$

$$1. ((1+3)*(3+3)) = 24$$

$$2. (((3*3)-1)*3) = 24$$

$$171. [1, 3, 3, 4]$$

$$1. (((1+3)+4)*3) = 24$$

$$2. (((3-1)*4)*3) = 24$$

$$3. (((3-1)*3)*4) = 24$$

$$4. ((3-1)*(4*3)) = 24$$

$$5. (((1*3)+3)*4) = 24$$

$$6. (((3/1)+3)*4) = 24$$

$$7. ((3-1)*(3*4)) = 24$$

$$8. (((1+4)+3)*3) = 24$$

$$9. ((1*4)*(3+3)) = 24$$

$$10. ((3+3)/(1/4)) = 24$$

$$11. ((4/1)*(3+3)) = 24$$

$$12. ((1*(3+3))*4) = 24$$

$$13. (4/(1/(3+3))) = 24$$

$$14. (((3+3)/1)*4) = 24$$

$$15. (1*((3+3)*4)) = 24$$

$$16. (((3+3)*4)/1) = 24$$

$$17. ((1+(3+4))*3) = 24$$

$$172. [1, 3, 3, 5]$$

$$1. (((1*3)+5)*3) = 24$$

$$2. ((1*3)*(5+3)) = 24$$

$$3. ((5+3)/(1/3)) = 24$$

$$4. (((3/1)+5)*3) = 24$$

$$5. ((3/1)*(5+3)) = 24$$

$$6. ((1*3)*(3+5)) = 24$$

$$7. ((3+5)/(1/3)) = 24$$

$$8. ((3/1)*(3+5)) = 24$$

$$9. ((5-1)*(3+3)) = 24$$

$$10. (((1*5)+3)*3) = 24$$

$$11. (((5/1)+3)*3) = 24$$

$$12. ((1*(3+5))*3) = 24$$

$$13. (3/(1/(3+5))) = 24$$

$$14. (((3+5)/1)*3) = 24$$

$$15. (1*((3+5)*3)) = 24$$

$$16. (((3+5)*3)/1) = 24$$

$$17. (1*(3*(3+5))) = 24$$

$$18. ((3*(3+5))/1) = 24$$

$$173. [1, 3, 3, 6]$$

$$1. ((6-(1-3))*3) = 24$$

$$2. (((3-1)+6)*3) = 24$$

$$3. (((1+6)*3)+3) = 24$$

$$4. ((3-(1-6))*3) = 24$$

$$5. (((6-1)+3)*3) = 24$$

$$6. (((3+6)-1)*3) = 24$$

$$174. [1, 3, 3, 7]$$

$$1. (((1*3)*7)+3) = 24$$

$$2. ((1*3)+(7*3)) = 24$$

$$3. ((7/(1/3))+3) = 24$$

$$4. (((3/1)*7)+3) = 24$$

$$5. ((3/1)+(7*3)) = 24$$

$$6. ((1*3)+(3*7)) = 24$$

$$7. ((3/1)+(3*7)) = 24$$

$$8. (((1*7)*3)+3) = 24$$

$$9. ((3/(1/7))+3) = 24$$

$$10. (((7/1)*3)+3) = 24$$

$$11. ((1*(3*7))+3) = 24$$

$$12. (((3*7)/1)+3) = 24$$

$$13. (1*((3*7)+3)) = 24$$

$$14. (((3*7)+3)/1) = 24$$

$$15. (1*(3+(3*7))) = 24$$

$$16. ((3+(3*7))/1) = 24$$

$$175. [1, 3, 3, 8]$$

$$1. (((1+8)*3)-3) = 24$$

$$2. (3-((1-8)*3)) = 24$$

$$3. (((8-1)*3)+3) = 24$$

$$176. [1, 3, 3, 9]$$

$$1. ((1+3)*(9-3)) = 24$$

$$2. ((3-1)*(9+3)) = 24$$

$$3. (((1*3)*9)-3) = 24$$

$$4. ((9*3)-(1*3)) = 24$$

$$5. ((9/(1/3))-3) = 24$$

$$6. ((3-(1/3))*9) = 24$$

$$7. (((3/1)*9)-3) = 24$$

$$8. ((9*3)-(3/1)) = 24$$

$$9. ((3-1)*(3+9)) = 24$$

$$10. ((3*9)-(1*3)) = 24$$

$$11. ((3*9)-(3/1)) = 24$$

$$12. (((1*9)*3)-3) = 24$$

$$13. ((3/(1/9))-3) = 24$$

$$14. (((9/1)*3)-3) = 24$$

$$15. ((1*(3*9))-3) = 24$$

$$16. (((3*9)/1)-3) = 24$$

$$17. (1*((3*9)-3)) = 24$$

$$18. (((3*9)-3)/1) = 24$$

$$177. [1, 3, 3, 10]$$

$$1. (((1-3)+10)*3) = 24$$

$$2. ((10-(3-1))*3) = 24$$

$$3. (((1+10)-3)*3) = 24$$

$$4. (((10-1)*3)-3) = 24$$

$$5. ((1-(3-10))*3) = 24$$

$$6. ((1+(10-3))*3) = 24$$

$$178. [1, 3, 3, 11]$$

$$1. ((11-(1*3))*3) = 24$$

$$2. ((1*3)*(11-3)) = 24$$

$$3. ((11-3)/(1/3)) = 24$$

$$4. ((11-(3/1))*3) = 24$$

$$5. ((3/1)*(11-3)) = 24$$

$$6. (((1*11)-3)*3) = 24$$

$$7. (((11/1)-3)*3) = 24$$

$$8. ((1*(11-3))*3) = 24$$

$$9. (3/(1/(11-3))) = 24$$

$$10. (((11-3)/1)*3) = 24$$

$$11. (1*((11-3)*3)) = 24$$

$$12. (((11-3)*3)/1) = 24$$

$$13. (1*(3*(11-3))) = 24$$

$$14. ((3*(11-3))/1) = 24$$

$$179. [1, 3, 3, 12]$$

$$1. ((12-(1+3))*3) = 24$$

$$2. (((1+3)*3)+12) = 24$$

$$3. (((12-1)-3)*3) = 24$$

$$4. ((1+(3/3))*12) = 24$$

$$5. (((12-3)-1)*3) = 24$$

$$180. [1, 3, 3, 13]$$

无解

$$181. [1, 3, 4, 4]$$

$$1. ((4-(1-3))*4) = 24$$

$$2. (((3-1)+4)*4) = 24$$

$$3. ((1*3)*(4+4)) = 24$$

$$4. ((4+4)/(1/3)) = 24$$

$$5. ((3/1)*(4+4)) = 24$$

$$6. ((3-(1-4))*4) = 24$$

$$7. (((4-1)+3)*4) = 24$$

$$8. (((1*4)+4)*3) = 24$$

$$9. (((4/1)+4)*3) = 24$$

$$10. (((3+4)-1)*4) = 24$$

$$11. ((1*(4+4))*3) = 24$$

$$12. (3/(1/(4+4))) = 24$$

$$13. (((4+4)/1)*3) = 24$$

$$14. (1*(3*(4+4))) = 24$$

$$15. ((3*(4+4))/1) = 24$$

$$182. [1, 3, 4, 5]$$

$$1. (((1+3)*5)+4) = 24$$

$$2. ((1+3)+(5*4)) = 24$$

$$3. ((5-(1-4))*3) = 24$$

$$4. (((4-1)+5)*3) = 24$$

$$5. ((4-1)*(3+5)) = 24$$

$$6. ((4-(1-5))*3) = 24$$

$$7. (((5-1)+4)*3) = 24$$

$$8. (((4+5)-1)*3) = 24$$

$$9. ((1+3)+(4*5)) = 24$$

$$10. ((1+(4*5))+3) = 24$$

$$11. (1+(3+(4*5))) = 24$$

$$183. [1, 3, 4, 6]$$

$$1. (6/(1-(3/4))) = 24$$

$$184. [1, 3, 4, 7]$$

$$1. (((1+3)*7)-4) = 24$$

$$2. ((7*4)-(1+3)) = 24$$

$$3. (3-((1-4)*7)) = 24$$

$$4. ((3*7)-(1-4)) = 24$$

$$5. (((4-1)*7)+3) = 24$$

$$6. ((4-1)+(3*7)) = 24$$

$$7. (4-(1-(3*7))) = 24$$

$$8. (((3*7)-1)+4) = 24$$

$$9. (((3*7)+4)-1) = 24$$

$$10. ((4*7)-(1+3)) = 24$$

$$11. (((4*7)-1)-3) = 24$$

$$12. (((4*7)-3)-1) = 24$$

$$185. [1, 3, 4, 8]$$

$$1. (((1+3)*4)+8) = 24$$

$$2. (((1-3)+8)*4) = 24$$

$$3. ((8-(3-1))*4) = 24$$

$$4. ((3-1)*(8+4)) = 24$$

$$5. (((1+8)-3)*4) = 24$$

$$6. (8/((4/3)-1)) = 24$$

$$7. ((1-(3-8))*4) = 24$$

$$8. ((1+(8-3))*4) = 24$$

$$9. ((3-1)*(4+8)) = 24$$

$$186. [1, 3, 4, 9]$$

$$1. ((9-(1*3))*4) = 24$$

$$2. ((9-(3/1))*4) = 24$$

$$3. (((1+4)*3)+9) = 24$$

$$4. ((1-4)+(3*9)) = 24$$

$$5. (((4-1)*9)-3) = 24$$

$$6. ((3*9)-(4-1)) = 24$$

$$7. ((1*4)*(9-3)) = 24$$

$$8. ((9-3)/(1/4)) = 24$$

$$9. ((4/1)*(9-3)) = 24$$

$$10. (((1*9)-3)*4) = 24$$

$$11. (((9/1)-3)*4) = 24$$

$$12. ((1*(9-3))*4) = 24$$

$$13. (4/(1/(9-3))) = 24$$

$$14. (((9-3)/1)*4) = 24$$

$$15. (1*((9-3)*4)) = 24$$

$$16. (((9-3)*4)/1) = 24$$

$$17. ((1+(3*9))-4) = 24$$

$$18. (1+((3*9)-4)) = 24$$

$$19. (1-(4-(3*9))) = 24$$

$$187. [1, 3, 4, 10]$$

$$1. ((10-(1+3))*4) = 24$$

$$2. ((1+3)*(10-4)) = 24$$

$$3. (4-((1-3)*10)) = 24$$

$$4. (((3-1)*10)+4) = 24$$

$$5. (((10-1)-3)*4) = 24$$

$$6. (((10-3)-1)*4) = 24$$

$$188. [1, 3, 4, 11]$$

$$1. (((1-4)+11)*3) = 24$$

$$2. ((1-4)*(3-11)) = 24$$

$$3. ((11-(4-1))*3) = 24$$

$$4. ((4-1)*(11-3)) = 24$$

$$5. (((1+11)-4)*3) = 24$$

$$6. ((1+11)+(3*4)) = 24$$

$$7. ((1+(3*4))+11) = 24$$

$$8. (1+((3*4)+11)) = 24$$

$$9. ((1-(4-11))*3) = 24$$

$$10. ((1+(11-4))*3) = 24$$

$$189. [1, 3, 4, 12]$$

$$1. (((1-3)+4)*12) = 24$$

$$2. (4/((3-1)/12)) = 24$$

$$3. ((12/(3-1))*4) = 24$$

$$4. ((4-(3-1))*12) = 24$$

$$5. (12/((3-1)/4)) = 24$$

$$6. ((4/(3-1))*12) = 24$$

$$7. ((12*4)/(3-1)) = 24$$

$$8. (((1*3)*4)+12) = 24$$

$$9. ((1*3)*(12-4)) = 24$$

$$10. ((4/(1/3))+12) = 24$$

$$11. ((12-4)/(1/3)) = 24$$

$$12. (((3/1)*4)+12) = 24$$

$$13. ((3/1)*(12-4)) = 24$$

$$\begin{aligned}
14. & (((1+4)-3)*12) = 24 \\
15. & (((1*4)*3)+12) = 24 \\
16. & ((12-(1*4))*3) = 24 \\
17. & ((3/(1/4))+12) = 24 \\
18. & (((4/1)*3)+12) = 24 \\
19. & ((12-(4/1))*3) = 24 \\
20. & (((1*12)-4)*3) = 24 \\
21. & ((1*12)+(3*4)) = 24 \\
22. & (((12/1)-4)*3) = 24 \\
23. & ((12/1)+(3*4)) = 24 \\
24. & ((1-(3-4))*12) = 24 \\
25. & ((1+(4-3))*12) = 24 \\
26. & ((1*(3*4))+12) = 24 \\
27. & (((3*4)/1)+12) = 24 \\
28. & (1*((3*4)+12)) = 24 \\
29. & (((3*4)+12)/1) = 24 \\
30. & ((1*(12-4))*3) = 24 \\
31. & (3/(1/(12-4))) = 24 \\
32. & (((12-4)/1)*3) = 24 \\
33. & (1*(3*(12-4))) = 24 \\
34. & ((3*(12-4))/1) = 24 \\
35. & ((4*12)/(3-1)) = 24
\end{aligned}$$

190. [1, 3, 4, 13]

$$\begin{aligned}
1. & ((13-(1+4))*3) = 24 \\
2. & ((3*4)-(1-13)) = 24 \\
3. & (((13-1)-4)*3) = 24 \\
4. & ((13-1)+(3*4)) = 24 \\
5. & (13-(1-(3*4))) = 24 \\
6. & (((3*4)-1)+13) = 24 \\
7. & (((3*4)+13)-1) = 24 \\
8. & (((13-4)-1)*3) = 24
\end{aligned}$$

191. [1, 3, 5, 5]

无解

192. [1, 3, 5, 6]

$$\begin{aligned}
1. & (((1+5)*3)+6) = 24 \\
2. & ((1+5)+(3*6)) = 24 \\
3. & ((1+(3*6))+5) = 24 \\
4. & (1+((3*6)+5)) = 24
\end{aligned}$$

193. [1, 3, 5, 7]

$$\begin{aligned}
1. & ((3-1)*(7+5)) = 24 \\
2. & ((1+5)*(7-3)) = 24 \\
3. & ((3-1)*(5+7)) = 24
\end{aligned}$$

194. [1, 3, 5, 8]

$$1. (((1-3)+5)*8) = 24$$

$$\begin{aligned}
2. & ((5-(3-1))*8) = 24 \\
3. & (((1+5)-3)*8) = 24 \\
4. & ((1+8)+(3*5)) = 24 \\
5. & ((1-(3-5))*8) = 24 \\
6. & ((1+(5-3))*8) = 24 \\
7. & ((1+(3*5))+8) = 24 \\
8. & (1+((3*5)+8)) = 24 \\
9. & (((8-3)*5)-1) = 24
\end{aligned}$$

195. [1, 3, 5, 9]

$$\begin{aligned}
1. & (((1*3)*5)+9) = 24 \\
2. & ((5/(1/3))+9) = 24 \\
3. & (((3/1)*5)+9) = 24 \\
4. & ((1-5)*(3-9)) = 24 \\
5. & ((5-1)*(9-3)) = 24 \\
6. & (((1*5)*3)+9) = 24 \\
7. & ((3/(1/5))+9) = 24 \\
8. & (((5/1)*3)+9) = 24 \\
9. & ((1*9)+(3*5)) = 24 \\
10. & ((9/1)+(3*5)) = 24 \\
11. & ((1*(3*5))+9) = 24 \\
12. & (((3*5)/1)+9) = 24 \\
13. & (1*((3*5)+9)) = 24 \\
14. & (((3*5)+9)/1) = 24 \\
15. & ((1+(5/3))*9) = 24
\end{aligned}$$

196. [1, 3, 5, 10]

$$\begin{aligned}
1. & ((3*10)-(1+5)) = 24 \\
2. & ((3*5)-(1-10)) = 24 \\
3. & ((10-1)+(3*5)) = 24 \\
4. & (10-(1-(3*5))) = 24 \\
5. & (((3*5)-1)+10) = 24 \\
6. & (((3*5)+10)-1) = 24 \\
7. & (((3*10)-1)-5) = 24 \\
8. & (((3*10)-5)-1) = 24
\end{aligned}$$

197. [1, 3, 5, 11]

$$\begin{aligned}
1. & ((1+3)*(11-5)) = 24 \\
2. & ((1+11)*(5-3)) = 24
\end{aligned}$$

198. [1, 3, 5, 12]

$$\begin{aligned}
1. & ((5-(1*3))*12) = 24 \\
2. & ((5-(3/1))*12) = 24 \\
3. & (((1+5)/3)*12) = 24 \\
4. & (12/(3/(1+5))) = 24 \\
5. & (((1+5)*12)/3) = 24 \\
6. & ((1+5)/(3/12)) = 24 \\
7. & ((1+5)*(12/3)) = 24 \\
8. & (12-((1-5)*3)) = 24
\end{aligned}$$

$$\begin{aligned}
9. & (((1-5)+12)*3) = 24 \\
10. & (((5-1)*3)+12) = 24 \\
11. & ((12-(5-1))*3) = 24 \\
12. & (((1*5)-3)*12) = 24 \\
13. & (((5/1)-3)*12) = 24 \\
14. & (((1+12)-5)*3) = 24 \\
15. & ((1*12)*(5-3)) = 24 \\
16. & ((5-3)/(1/12)) = 24 \\
17. & ((12/1)*(5-3)) = 24 \\
18. & ((1*(5-3))*12) = 24 \\
19. & (12/(1/(5-3))) = 24 \\
20. & (((5-3)/1)*12) = 24 \\
21. & (1*((5-3)*12)) = 24 \\
22. & (((5-3)*12)/1) = 24 \\
23. & ((1-(5-12))*3) = 24 \\
24. & ((1+(12-5))*3) = 24
\end{aligned}$$

199. [1, 3, 5, 13]

$$\begin{aligned}
1. & ((1*3)*(13-5)) = 24 \\
2. & ((13-5)/(1/3)) = 24 \\
3. & ((3/1)*(13-5)) = 24 \\
4. & ((13-(1*5))*3) = 24 \\
5. & ((13-(5/1))*3) = 24 \\
6. & ((1-13)*(3-5)) = 24 \\
7. & ((13-1)*(5-3)) = 24 \\
8. & (((1*13)-5)*3) = 24 \\
9. & (((13/1)-5)*3) = 24 \\
10. & ((1*(13-5))*3) = 24 \\
11. & (3/(1/(13-5))) = 24 \\
12. & (((13-5)/1)*3) = 24 \\
13. & (1*(3*(13-5))) = 24 \\
14. & ((3*(13-5))/1) = 24
\end{aligned}$$

200. [1, 3, 6, 6]

$$\begin{aligned}
1. & (((1-3)+6)*6) = 24 \\
2. & ((6-(3-1))*6) = 24 \\
3. & ((3-1)*(6+6)) = 24 \\
4. & (((1*3)*6)+6) = 24 \\
5. & ((6/(1/3))+6) = 24 \\
6. & (((3/1)*6)+6) = 24 \\
7. & (((1+6)-3)*6) = 24 \\
8. & (((1*6)*3)+6) = 24 \\
9. & ((1*6)+(3*6)) = 24 \\
10. & ((3/(1/6))+6) = 24 \\
11. & (((6/1)*3)+6) = 24 \\
12. & ((6/1)+(3*6)) = 24 \\
13. & ((1-(3-6))*6) = 24 \\
14. & ((1+(6-3))*6) = 24 \\
15. & ((1*(3*6))+6) = 24
\end{aligned}$$

$$\begin{aligned}
16. & (((3*6)/1)+6) = 24 \\
17. & (1*((3*6)+6)) = 24 \\
18. & (((3*6)+6)/1) = 24
\end{aligned}$$

201. [1, 3, 6, 7]

$$\begin{aligned}
1. & ((7-(1*3))*6) = 24 \\
2. & ((7-(3/1))*6) = 24 \\
3. & ((1*6)*(7-3)) = 24 \\
4. & ((7-3)/(1/6)) = 24 \\
5. & ((6/1)*(7-3)) = 24 \\
6. & ((1+7)*(6-3)) = 24 \\
7. & (6-((1-7)*3)) = 24 \\
8. & ((3*6)-(1-7)) = 24 \\
9. & (((7-1)*3)+6) = 24 \\
10. & ((7-1)+(3*6)) = 24 \\
11. & (((1*7)-3)*6) = 24 \\
12. & (((7/1)-3)*6) = 24 \\
13. & (7-(1-(3*6))) = 24 \\
14. & (((3*6)-1)+7) = 24 \\
15. & (((3*6)+7)-1) = 24 \\
16. & ((1*(7-3))*6) = 24 \\
17. & (6/(1/(7-3))) = 24 \\
18. & (((7-3)/1)*6) = 24 \\
19. & (1*((7-3)*6)) = 24 \\
20. & (((7-3)*6)/1) = 24
\end{aligned}$$

202. [1, 3, 6, 8]

$$\begin{aligned}
1. & ((8-(1+3))*6) = 24 \\
2. & (6/((3-1)/8)) = 24 \\
3. & ((8/(3-1))*6) = 24 \\
4. & (8/((3-1)/6)) = 24 \\
5. & ((6/(3-1))*8) = 24 \\
6. & ((8*6)/(3-1)) = 24 \\
7. & ((6-(1*3))*8) = 24 \\
8. & ((6-(3/1))*8) = 24 \\
9. & (((1*6)-3)*8) = 24 \\
10. & (((6/1)-3)*8) = 24 \\
11. & (((8-1)-3)*6) = 24 \\
12. & ((1*8)*(6-3)) = 24 \\
13. & ((6-3)/(1/8)) = 24 \\
14. & ((8/1)*(6-3)) = 24 \\
15. & ((1*(6-3))*8) = 24 \\
16. & (8/(1/(6-3))) = 24 \\
17. & (((6-3)/1)*8) = 24 \\
18. & (1*((6-3)*8)) = 24 \\
19. & (((6-3)*8)/1) = 24 \\
20. & ((1+(6/3))*8) = 24 \\
21. & (((8-3)-1)*6) = 24 \\
22. & ((6*8)/(3-1)) = 24
\end{aligned}$$

203. [1, 3, 6, 9]

1. $(6 - ((1-3)*9)) = 24$
2. $((((3-1)*9)+6) = 24$
3. $(9 - ((1-6)*3)) = 24$
4. $((((6-1)*3)+9) = 24$
5. $((((1+9)*3)-6) = 24$
6. $((1-9)*(3-6)) = 24$
7. $((9-1)*(6-3)) = 24$
8. $((1+(9/3))*6) = 24$

204. [1, 3, 6, 10]

1. $((((1*3)*10)-6) = 24$
2. $((10/(1/3))-6) = 24$
3. $((((3/1)*10)-6) = 24$
4. $((3*10)-(1*6)) = 24$
5. $((3*10)-(6/1)) = 24$
6. $((((1*10)*3)-6) = 24$
7. $((3/(1/10))-6) = 24$
8. $((((10/1)*3)-6) = 24$
9. $((1*(3*10))-6) = 24$
10. $((((3*10)/1)-6) = 24$
11. $(1*((3*10)-6)) = 24$
12. $((((3*10)-6)/1) = 24$

205. [1, 3, 6, 11]

1. $((((1+11)/3)*6) = 24$
2. $(6/(3/(1+11))) = 24$
3. $((((1+11)*6)/3) = 24$
4. $((1+11)/(3/6)) = 24$
5. $((1+11)*(6/3)) = 24$
6. $((((11-1)*3)-6) = 24$

206. [1, 3, 6, 12]

1. $((6-(1+3))*12) = 24$
2. $((1+3)*(12-6)) = 24$
3. $(12 - ((1-3)*6)) = 24$
4. $((((3-1)*6)+12) = 24$
5. $(6/((1*3)/12)) = 24$
6. $((12/(1*3))*6) = 24$
7. $(12/((1*3)/6)) = 24$
8. $((6/(1*3))*12) = 24$
9. $((12*6)/(1*3)) = 24$
10. $((((1/3)*12)*6) = 24$
11. $((((1/3)*6)*12) = 24$
12. $((1/3)*(12*6)) = 24$
13. $(6/((3/1)/12)) = 24$
14. $((12/(3/1))*6) = 24$
15. $(12/((3/1)/6)) = 24$

16. $((6/(3/1))*12) = 24$
17. $((12*6)/(3/1)) = 24$
18. $((((6-1)-3)*12) = 24$
19. $((((1*6)/3)*12) = 24$
20. $(12/(3/(1*6))) = 24$
21. $((((1*6)*12)/3) = 24$
22. $((1*6)/(3/12)) = 24$
23. $((1*6)*(12/3)) = 24$
24. $(12/((1/6)*3)) = 24$
25. $((12/(1/6))/3) = 24$
26. $((12/3)/(1/6)) = 24$
27. $((((6/1)/3)*12) = 24$
28. $(12/(3/(6/1))) = 24$
29. $((((6/1)*12)/3) = 24$
30. $((6/1)/(3/12)) = 24$
31. $((6/1)*(12/3)) = 24$
32. $((((1*12)/3)*6) = 24$
33. $(6/(3/(1*12))) = 24$
34. $((((1*12)*6)/3) = 24$
35. $((1*12)/(3/6)) = 24$
36. $((1*12)*(6/3)) = 24$
37. $(6/((1/12)*3)) = 24$
38. $((6/(1/12))/3) = 24$
39. $((6/3)/(1/12)) = 24$
40. $((((12/1)/3)*6) = 24$
41. $(6/(3/(12/1))) = 24$
42. $((((12/1)*6)/3) = 24$
43. $((12/1)/(3/6)) = 24$
44. $((12/1)*(6/3)) = 24$
45. $((((6-3)-1)*12) = 24$
46. $(12/(1-(3/6))) = 24$
47. $(12/(1*(3/6))) = 24$
48. $((1/(3/6))*12) = 24$
49. $(12/((3/6)/1)) = 24$
50. $(1/((3/6)/12)) = 24$
51. $(1*(12/(3/6))) = 24$
52. $((12/(3/6))/1) = 24$
53. $((1*(6/3))*12) = 24$
54. $(12/(1/(6/3))) = 24$
55. $((((6/3)/1)*12) = 24$
56. $(1*((6/3)*12)) = 24$
57. $((((6/3)*12)/1) = 24$
58. $(6/(1*(3/12))) = 24$
59. $((1/(3/12))*6) = 24$
60. $(6/((3/12)/1)) = 24$
61. $(1/((3/12)/6)) = 24$
62. $(1*(6/(3/12))) = 24$
63. $((6/(3/12))/1) = 24$
64. $((1*(12/3))*6) = 24$

65. $(6/(1/(12/3))) = 24$
66. $((((12/3)/1)*6) = 24$
67. $(1*((12/3)*6)) = 24$
68. $((((12/3)*6)/1) = 24$
69. $((6*12)/(1*3)) = 24$
70. $((1/3)*(6*12)) = 24$
71. $((6*12)/(3/1)) = 24$
72. $((1*(6*12))/3) = 24$
73. $((((6*12)/1)/3) = 24$
74. $(1/(3/(6*12))) = 24$
75. $(1*((6*12)/3)) = 24$
76. $((((6*12)/3)/1) = 24$

207. [1, 3, 6, 13]

1. $((((1-6)+13)*3) = 24$
2. $((13-(6-1))*3) = 24$
3. $((((1+13)-6)*3) = 24$
4. $((((13-1)/3)*6) = 24$
5. $(6/(3/(13-1))) = 24$
6. $((((13-1)*6)/3) = 24$
7. $((13-1)/(3/6)) = 24$
8. $((13-1)*(6/3)) = 24$
9. $((1-(6-13))*3) = 24$
10. $((1+(13-6))*3) = 24$

208. [1, 3, 7, 7]

1. $((1-7)*(3-7)) = 24$
2. $((7-1)*(7-3)) = 24$

209. [1, 3, 7, 8]

1. $((7-(1+3))*8) = 24$
2. $((((7-1)-3)*8) = 24$
3. $((((7-3)-1)*8) = 24$
4. $(3/(1-(7/8))) = 24$

210. [1, 3, 7, 9]

1. $((((1+7)/3)*9) = 24$
2. $(9/(3/(1+7))) = 24$
3. $((((1+7)*9)/3) = 24$
4. $((1+7)/(3/9)) = 24$
5. $((1+7)*(9/3)) = 24$

211. [1, 3, 7, 10]

1. $(10 - ((1-3)*7)) = 24$
2. $((((3-1)*7)+10) = 24$
3. $((1-7)+(3*10)) = 24$
4. $((3*10)-(7-1)) = 24$
5. $((1+(3*10))-7) = 24$
6. $(1+((3*10)-7)) = 24$

7. $(1-(7-(3*10))) = 24$

212. [1, 3, 7, 11]

无解

213. [1, 3, 7, 12]

1. $((((7-1)/3)*12) = 24$
2. $(12/(3/(7-1))) = 24$
3. $((((7-1)*12)/3) = 24$
4. $((7-1)/(3/12)) = 24$
5. $((7-1)*(12/3)) = 24$

214. [1, 3, 7, 13]

1. $((((1+3)+13)+7) = 24$
2. $((((1+3)+7)+13) = 24$
3. $((1+3)+(13+7)) = 24$
4. $((1+3)*(13-7)) = 24$
5. $((((1+7)+3)+13) = 24$
6. $((((1+7)+13)+3) = 24$
7. $((1+7)+(3+13)) = 24$
8. $((((1+13)+3)+7) = 24$
9. $((((1+13)+7)+3) = 24$
10. $((1+13)+(3+7)) = 24$
11. $((1+(3+7))+13) = 24$
12. $(1+((3+7)+13)) = 24$
13. $((1+(3+13))+7) = 24$
14. $(1+((3+13)+7)) = 24$
15. $((1+3)+(7+13)) = 24$
16. $((1+(7+13))+3) = 24$
17. $(1+(3+(7+13))) = 24$

215. [1, 3, 8, 8]

1. $((((1+3)*8)-8) = 24$
2. $(8 - ((1-3)*8)) = 24$
3. $((((3-1)*8)+8) = 24$
4. $((((1+8)/3)*8) = 24$
5. $(8/(3/(1+8))) = 24$
6. $((((1+8)*8)/3) = 24$
7. $((1+8)/(3/8)) = 24$
8. $((1+8)*(8/3)) = 24$

216. [1, 3, 8, 9]

1. $(8/((1*3)/9)) = 24$
2. $((9/(1*3))*8) = 24$
3. $(9/((1*3)/8)) = 24$
4. $((8/(1*3))*9) = 24$
5. $((9*8)/(1*3)) = 24$
6. $((((1/3)*9)*8) = 24$
7. $((((1/3)*8)*9) = 24$

$$\begin{aligned}
&8. ((1/3)*(9*8)) = 24 \\
&9. (8/((3/1)/9)) = 24 \\
&10. ((9/(3/1))*8) = 24 \\
&11. (9/((3/1)/8)) = 24 \\
&12. ((8/(3/1))*9) = 24 \\
&13. ((9*8)/(3/1)) = 24 \\
&14. (((1*8)/3)*9) = 24 \\
&15. (9/(3/(1*8))) = 24 \\
&16. (((1*8)*9)/3) = 24 \\
&17. ((1*8)/(3/9)) = 24 \\
&18. ((1*8)*(9/3)) = 24 \\
&19. (9/((1/8)*3)) = 24 \\
&20. ((9/(1/8))/3) = 24 \\
&21. ((9/3)/(1/8)) = 24 \\
&22. (((8/1)/3)*9) = 24 \\
&23. (9/(3/(8/1))) = 24 \\
&24. (((8/1)*9)/3) = 24 \\
&25. ((8/1)/(3/9)) = 24 \\
&26. ((8/1)*(9/3)) = 24 \\
&27. (((1*9)/3)*8) = 24 \\
&28. (8/(3/(1*9))) = 24 \\
&29. (((1*9)*8)/3) = 24 \\
&30. ((1*9)/(3/8)) = 24 \\
&31. ((1*9)*(8/3)) = 24 \\
&32. (8/((1/9)*3)) = 24 \\
&33. ((8/(1/9))/3) = 24 \\
&34. ((8/3)/(1/9)) = 24 \\
&35. (((9/1)/3)*8) = 24 \\
&36. (8/(3/(9/1))) = 24 \\
&37. (((9/1)*8)/3) = 24 \\
&38. ((9/1)/(3/8)) = 24 \\
&39. ((9/1)*(8/3)) = 24 \\
&40. (9/(1*(3/8))) = 24 \\
&41. ((1/(3/8))*9) = 24 \\
&42. (9/((3/8)/1)) = 24 \\
&43. (1/((3/8)/9)) = 24 \\
&44. (1*(9/(3/8))) = 24 \\
&45. ((9/(3/8))/1) = 24 \\
&46. ((1*(8/3))*9) = 24 \\
&47. (9/(1/(8/3))) = 24 \\
&48. (((8/3)/1)*9) = 24 \\
&49. (1*((8/3)*9)) = 24 \\
&50. (((8/3)*9)/1) = 24 \\
&51. (8/(1*(3/9))) = 24 \\
&52. ((1/(3/9))*8) = 24 \\
&53. (8/((3/9)/1)) = 24 \\
&54. (1/((3/9)/8)) = 24 \\
&55. (1*(8/(3/9))) = 24 \\
&56. ((8/(3/9))/1) = 24
\end{aligned}$$

$$\begin{aligned}
&57. ((1*(9/3))*8) = 24 \\
&58. (8/(1/(9/3))) = 24 \\
&59. (((9/3)/1)*8) = 24 \\
&60. (1*((9/3)*8)) = 24 \\
&61. (((9/3)*8)/1) = 24 \\
&62. ((8*9)/(1*3)) = 24 \\
&63. ((1/3)*(8*9)) = 24 \\
&64. ((8*9)/(3/1)) = 24 \\
&65. ((1*(8*9))/3) = 24 \\
&66. (((8*9)/1)/3) = 24 \\
&67. (1/(3/(8*9))) = 24 \\
&68. (1*((8*9)/3)) = 24 \\
&69. (((8*9)/3)/1) = 24 \\
&70. (3/((9/8)-1)) = 24 \\
&217. [1, 3, 8, 10] \\
&1. (((10-1)/3)*8) = 24 \\
&2. (8/(3/(10-1))) = 24 \\
&3. (((10-1)*8)/3) = 24 \\
&4. ((10-1)/(3/8)) = 24 \\
&5. ((10-1)*(8/3)) = 24 \\
&218. [1, 3, 8, 11] \\
&1. ((3*11)-(1+8)) = 24 \\
&2. (((3*11)-1)-8) = 24 \\
&3. (((3*11)-8)-1) = 24 \\
&219. [1, 3, 8, 12] \\
&1. (((1+3)+12)+8) = 24 \\
&2. (8/((1+3)/12)) = 24 \\
&3. ((12/(1+3))*8) = 24 \\
&4. (((1+3)+8)+12) = 24 \\
&5. (12/((1+3)/8)) = 24 \\
&6. ((8/(1+3))*12) = 24 \\
&7. ((1+3)+(12+8)) = 24 \\
&8. ((12*8)/(1+3)) = 24 \\
&9. (((1+8)+3)+12) = 24 \\
&10. (((1+8)+12)+3) = 24 \\
&11. ((1+8)+(3+12)) = 24 \\
&12. (((1+12)+3)+8) = 24 \\
&13. (((1+12)+8)+3) = 24 \\
&14. ((1+12)+(3+8)) = 24 \\
&15. ((1+(3+8))+12) = 24 \\
&16. (1+((3+8)+12)) = 24 \\
&17. ((1+(3+12))+8) = 24 \\
&18. (1+((3+12)+8)) = 24 \\
&19. (((12/3)-1)*8) = 24 \\
&20. ((1+3)+(8+12)) = 24 \\
&21. ((1+(8+12))+3) = 24
\end{aligned}$$

$$\begin{aligned}
&22. (1+(3+(8+12))) = 24 \\
&23. ((8*12)/(1+3)) = 24 \\
&220. [1, 3, 8, 13] \\
&1. (((1*3)+13)+8) = 24 \\
&2. (((1*3)+8)+13) = 24 \\
&3. ((1*3)+(13+8)) = 24 \\
&4. (((3/1)+13)+8) = 24 \\
&5. (((3/1)+8)+13) = 24 \\
&6. ((3/1)+(13+8)) = 24 \\
&7. (((1*8)+3)+13) = 24 \\
&8. (((1*8)+13)+3) = 24 \\
&9. ((1*8)+(3+13)) = 24 \\
&10. (((8/1)+3)+13) = 24 \\
&11. (((8/1)+13)+3) = 24 \\
&12. ((8/1)+(3+13)) = 24 \\
&13. (((1*13)+3)+8) = 24 \\
&14. (((1*13)+8)+3) = 24 \\
&15. ((1*13)+(3+8)) = 24 \\
&16. (((13/1)+3)+8) = 24 \\
&17. (((13/1)+8)+3) = 24 \\
&18. ((13/1)+(3+8)) = 24 \\
&19. ((1*(3+8))+13) = 24 \\
&20. (((3+8)/1)+13) = 24 \\
&21. (1*((3+8)+13)) = 24 \\
&22. (((3+8)+13)/1) = 24 \\
&23. ((1*(3+13))+8) = 24 \\
&24. (((3+13)/1)+8) = 24 \\
&25. (1*((3+13)+8)) = 24 \\
&26. (((3+13)+8)/1) = 24 \\
&27. ((1*3)+(8+13)) = 24 \\
&28. ((3/1)+(8+13)) = 24 \\
&29. ((1*(8+13))+3) = 24 \\
&30. (((8+13)/1)+3) = 24 \\
&31. (1*(3+(8+13))) = 24 \\
&32. ((3+(8+13))/1) = 24 \\
&221. [1, 3, 9, 9] \\
&1. (((9-1)/3)*9) = 24 \\
&2. (9/(3/(9-1))) = 24 \\
&3. (((9-1)*9)/3) = 24 \\
&4. ((9-1)/(3/9)) = 24 \\
&5. ((9-1)*(9/3)) = 24 \\
&222. [1, 3, 9, 10] \\
&1. (((1+10)*3)-9) = 24 \\
&223. [1, 3, 9, 11] \\
&1. (((1+3)+11)+9) = 24
\end{aligned}$$

$$\begin{aligned}
&2. (((1+3)+9)+11) = 24 \\
&3. ((1+3)+(11+9)) = 24 \\
&4. (((1*3)*11)-9) = 24 \\
&5. ((11/(1/3))-9) = 24 \\
&6. (((3/1)*11)-9) = 24 \\
&7. (((1+9)+3)+11) = 24 \\
&8. (((1+9)+11)+3) = 24 \\
&9. ((1+9)+(3+11)) = 24 \\
&10. ((3*11)-(1*9)) = 24 \\
&11. ((3*11)-(9/1)) = 24 \\
&12. (((1+11)+3)+9) = 24 \\
&13. (((1+11)+9)+3) = 24 \\
&14. ((1+11)+(3+9)) = 24 \\
&15. (((1*11)*3)-9) = 24 \\
&16. ((3/(1/11))-9) = 24 \\
&17. (((11/1)*3)-9) = 24 \\
&18. ((1+(3+9))+11) = 24 \\
&19. (1+((3+9)+11)) = 24 \\
&20. ((1+(3+11))+9) = 24 \\
&21. (1+((3+11)+9)) = 24 \\
&22. ((1*(3*11))-9) = 24 \\
&23. (((3*11)/1)-9) = 24 \\
&24. (1*((3*11)-9)) = 24 \\
&25. (((3*11)-9)/1) = 24 \\
&26. (((11/3)-1)*9) = 24 \\
&27. ((1+3)+(9+11)) = 24 \\
&28. ((1+(9+11))+3) = 24 \\
&29. (1+(3+(9+11))) = 24 \\
&224. [1, 3, 9, 12] \\
&1. (((1+3)*9)-12) = 24 \\
&2. (((1*3)+12)+9) = 24 \\
&3. (((1*3)+9)+12) = 24 \\
&4. ((1*3)+(12+9)) = 24 \\
&5. (((3/1)+12)+9) = 24 \\
&6. (((3/1)+9)+12) = 24 \\
&7. ((3/1)+(12+9)) = 24 \\
&8. (((1*9)+3)+12) = 24 \\
&9. (((1*9)+12)+3) = 24 \\
&10. ((1*9)+(3+12)) = 24 \\
&11. (((9/1)+3)+12) = 24 \\
&12. (((9/1)+12)+3) = 24 \\
&13. ((9/1)+(3+12)) = 24 \\
&14. (((12-1)*3)-9) = 24 \\
&15. (((1*12)+3)+9) = 24 \\
&16. (((1*12)+9)+3) = 24 \\
&17. ((1*12)+(3+9)) = 24 \\
&18. (((12/1)+3)+9) = 24 \\
&19. (((12/1)+9)+3) = 24
\end{aligned}$$

$$\begin{aligned}
20. & ((12/1)+(3+9)) = 24 \\
21. & ((1*(3+9))+12) = 24 \\
22. & (((3+9)/1)+12) = 24 \\
23. & (1*((3+9)+12)) = 24 \\
24. & (((3+9)+12)/1) = 24 \\
25. & (((9/3)-1)*12) = 24 \\
26. & ((1*(3+12))+9) = 24 \\
27. & (((3+12)/1)+9) = 24 \\
28. & (1*((3+12)+9)) = 24 \\
29. & (((3+12)+9)/1) = 24 \\
30. & ((1*3)+(9+12)) = 24 \\
31. & ((3/1)+(9+12)) = 24 \\
32. & ((1*(9+12))+3) = 24 \\
33. & (((9+12)/1)+3) = 24 \\
34. & (1*(3+(9+12))) = 24 \\
35. & ((3+(9+12))/1) = 24
\end{aligned}$$

$$225. [1, 3, 9, 13]$$

$$\begin{aligned}
1. & (9-((1-3)-13)) = 24 \\
2. & ((13-(1-3))+9) = 24 \\
3. & (13-((1-3)-9)) = 24 \\
4. & ((9-(1-3))+13) = 24 \\
5. & (((13+9)-(1-3)) = 24 \\
6. & (((3-1)+13)+9) = 24 \\
7. & (((3-1)+9)+13) = 24 \\
8. & ((3-1)+(13+9)) = 24 \\
9. & (13-((1-9)-3)) = 24 \\
10. & ((3-(1-9))+13) = 24 \\
11. & (3-((1-9)-13)) = 24 \\
12. & ((13-(1-9))+3) = 24 \\
13. & ((3+13)-(1-9)) = 24 \\
14. & (((9-1)+3)+13) = 24 \\
15. & (((9-1)+13)+3) = 24 \\
16. & ((9-1)+(3+13)) = 24 \\
17. & (9-((1-13)-3)) = 24 \\
18. & ((3-(1-13))+9) = 24 \\
19. & (3-((1-13)-9)) = 24 \\
20. & ((9-(1-13))+3) = 24 \\
21. & ((3+9)-(1-13)) = 24 \\
22. & (((13-1)+3)+9) = 24 \\
23. & (((13-1)+9)+3) = 24 \\
24. & ((13-1)+(3+9)) = 24 \\
25. & (13-(1-(3+9))) = 24 \\
26. & (((3+9)-1)+13) = 24 \\
27. & (((3+9)+13)-1) = 24 \\
28. & (9-(1-(3+13))) = 24 \\
29. & (((3+13)-1)+9) = 24 \\
30. & (((3+13)+9)-1) = 24 \\
31. & ((9+13)-(1-3)) = 24
\end{aligned}$$

$$\begin{aligned}
32. & ((3-1)+(9+13)) = 24 \\
33. & (3-(1-(9+13))) = 24 \\
34. & (((9+13)-1)+3) = 24 \\
35. & ((3+(9+13))-1) = 24
\end{aligned}$$

$$226. [1, 3, 10, 10]$$

$$\begin{aligned}
1. & (((1+3)+10)+10) = 24 \\
2. & ((1+3)+(10+10)) = 24 \\
3. & (((1+10)+3)+10) = 24 \\
4. & (((1+10)+10)+3) = 24 \\
5. & ((1+10)+(3+10)) = 24 \\
6. & ((1+(3+10))+10) = 24 \\
7. & (1+((3+10)+10)) = 24 \\
8. & ((1+(10+10))+3) = 24 \\
9. & (1+(3+(10+10))) = 24
\end{aligned}$$

$$227. [1, 3, 10, 11]$$

$$\begin{aligned}
1. & (((1*3)+11)+10) = 24 \\
2. & (((1*3)+10)+11) = 24 \\
3. & ((1*3)+(11+10)) = 24 \\
4. & (((3/1)+11)+10) = 24 \\
5. & (((3/1)+10)+11) = 24 \\
6. & ((3/1)+(11+10)) = 24 \\
7. & ((1-10)+(3*11)) = 24 \\
8. & ((3*11)-(10-1)) = 24 \\
9. & (((1*10)+3)+11) = 24 \\
10. & (((1*10)+11)+3) = 24 \\
11. & ((1*10)+(3+11)) = 24 \\
12. & (((10/1)+3)+11) = 24 \\
13. & (((10/1)+11)+3) = 24 \\
14. & ((10/1)+(3+11)) = 24 \\
15. & (((1*11)+3)+10) = 24 \\
16. & (((1*11)+10)+3) = 24 \\
17. & ((1*11)+(3+10)) = 24 \\
18. & (((11/1)+3)+10) = 24 \\
19. & (((11/1)+10)+3) = 24 \\
20. & ((11/1)+(3+10)) = 24 \\
21. & ((1*(3+10))+11) = 24 \\
22. & (((3+10)/1)+11) = 24 \\
23. & (1*((3+10)+11)) = 24 \\
24. & (((3+10)+11)/1) = 24 \\
25. & ((1*(3+11))+10) = 24 \\
26. & (((3+11)/1)+10) = 24 \\
27. & (1*((3+11)+10)) = 24 \\
28. & (((3+11)+10)/1) = 24 \\
29. & ((1+(3*11))-10) = 24 \\
30. & (1+((3*11)-10)) = 24 \\
31. & (1-(10-(3*11))) = 24 \\
32. & ((1*3)+(10+11)) = 24
\end{aligned}$$

$$\begin{aligned}
33. & ((3/1)+(10+11)) = 24 \\
34. & ((1*(10+11))+3) = 24 \\
35. & (((10+11)/1)+3) = 24 \\
36. & (1*(3+(10+11))) = 24 \\
37. & ((3+(10+11))/1) = 24
\end{aligned}$$

$$228. [1, 3, 10, 12]$$

$$\begin{aligned}
1. & (10-((1-3)-12)) = 24 \\
2. & ((12-(1-3))+10) = 24 \\
3. & (12-((1-3)-10)) = 24 \\
4. & ((10-(1-3))+12) = 24 \\
5. & ((12+10)-(1-3)) = 24 \\
6. & (((3-1)+12)+10) = 24 \\
7. & (((3-1)+10)+12) = 24 \\
8. & ((3-1)+(12+10)) = 24 \\
9. & (12-((1-10)-3)) = 24 \\
10. & ((3-(1-10))+12) = 24 \\
11. & (3-((1-10)-12)) = 24 \\
12. & ((12-(1-10))+3) = 24 \\
13. & ((3+12)-(1-10)) = 24 \\
14. & (((10-1)+3)+12) = 24 \\
15. & (((10-1)+12)+3) = 24 \\
16. & ((10-1)+(3+12)) = 24 \\
17. & (10-((1-12)-3)) = 24 \\
18. & ((3-(1-12))+10) = 24 \\
19. & (3-((1-12)-10)) = 24 \\
20. & ((10-(1-12))+3) = 24 \\
21. & ((3+10)-(1-12)) = 24 \\
22. & (((12-1)+3)+10) = 24 \\
23. & (((12-1)+10)+3) = 24 \\
24. & ((12-1)+(3+10)) = 24 \\
25. & (12-(1-(3+10))) = 24 \\
26. & (((3+10)-1)+12) = 24 \\
27. & (((3+10)+12)-1) = 24 \\
28. & (10-(1-(3+12))) = 24 \\
29. & (((3+12)-1)+10) = 24 \\
30. & (((3+12)+10)-1) = 24 \\
31. & ((10+12)-(1-3)) = 24 \\
32. & ((3-1)+(10+12)) = 24 \\
33. & (3-(1-(10+12))) = 24 \\
34. & (((10+12)-1)+3) = 24 \\
35. & ((3+(10+12))-1) = 24
\end{aligned}$$

$$229. [1, 3, 10, 13]$$

无解

$$230. [1, 3, 11, 11]$$

$$\begin{aligned}
1. & (11-((1-3)-11)) = 24 \\
2. & ((11-(1-3))+11) = 24
\end{aligned}$$

$$\begin{aligned}
3. & ((11+11)-(1-3)) = 24 \\
4. & (((3-1)+11)+11) = 24 \\
5. & ((3-1)+(11+11)) = 24 \\
6. & (11-((1-11)-3)) = 24 \\
7. & ((3-(1-11))+11) = 24 \\
8. & (3-((1-11)-11)) = 24 \\
9. & ((11-(1-11))+3) = 24 \\
10. & ((3+11)-(1-11)) = 24 \\
11. & (((11-1)+3)+11) = 24 \\
12. & (((11-1)+11)+3) = 24 \\
13. & ((11-1)+(3+11)) = 24 \\
14. & (11-(1-(3+11))) = 24 \\
15. & (((3+11)-1)+11) = 24 \\
16. & (((3+11)+11)-1) = 24 \\
17. & (3-(1-(11+11))) = 24 \\
18. & (((11+11)-1)+3) = 24 \\
19. & ((3+(11+11))-1) = 24
\end{aligned}$$

$$231. [1, 3, 11, 12]$$

$$\begin{aligned}
1. & (((1+11)*3)-12) = 24 \\
2. & ((3*12)-(1+11)) = 24 \\
3. & (((3*12)-1)-11) = 24 \\
4. & (((3*12)-11)-1) = 24
\end{aligned}$$

$$232. [1, 3, 11, 13]$$

无解

$$233. [1, 3, 12, 12]$$

$$\begin{aligned}
1. & (((1*3)*12)-12) = 24 \\
2. & ((12/(1/3))-12) = 24 \\
3. & (((3/1)*12)-12) = 24 \\
4. & (((1*12)*3)-12) = 24 \\
5. & ((3*12)-(1*12)) = 24 \\
6. & ((3/(1/12))-12) = 24 \\
7. & (((12/1)*3)-12) = 24 \\
8. & ((3*12)-(12/1)) = 24 \\
9. & ((1*(3*12))-12) = 24 \\
10. & (((3*12)/1)-12) = 24 \\
11. & (1*((3*12)-12)) = 24 \\
12. & (((3*12)-12)/1) = 24
\end{aligned}$$

$$234. [1, 3, 12, 13]$$

$$\begin{aligned}
1. & ((1-13)+(3*12)) = 24 \\
2. & (((13-1)*3)-12) = 24 \\
3. & ((3*12)-(13-1)) = 24 \\
4. & ((1+(3*12))-13) = 24 \\
5. & (1+((3*12)-13)) = 24 \\
6. & (1-(13-(3*12))) = 24
\end{aligned}$$

235. [1, 3, 13, 13]

1. $((1-3)+13)+13 = 24$
2. $((1-3)+(13+13)) = 24$
3. $(13-((3-1)-13)) = 24$
4. $((13-(3-1))+13) = 24$
5. $((13+13)-(3-1)) = 24$
6. $((1+13)-3)+13 = 24$
7. $(13-(3-(1+13))) = 24$
8. $((1+13)+13)-3 = 24$
9. $((1+13)-(3-13)) = 24$
10. $((1+13)+(13-3)) = 24$
11. $((1-(3-13))+13) = 24$
12. $(13-((3-13)-1)) = 24$
13. $(1-((3-13)-13)) = 24$
14. $(1+(13-(3-13))) = 24$
15. $((1+(13-3))+13) = 24$
16. $(1+((13-3)+13)) = 24$
17. $((1+(13+13))-3) = 24$
18. $(1-(3-(13+13))) = 24$
19. $(1+((13+13)-3)) = 24$

236. [1, 4, 4, 4]

1. $((1+4)*4)+4 = 24$
2. $((4-1)*(4+4)) = 24$

237. [1, 4, 4, 5]

1. $((1*4)*5)+4 = 24$
2. $((1*4)+(5*4)) = 24$
3. $((5/(1/4))+4) = 24$
4. $((4/1)*5)+4 = 24$
5. $((4/1)+(5*4)) = 24$
6. $((1*4)+(4*5)) = 24$
7. $((4/1)+(4*5)) = 24$
8. $((1*5)*4)+4 = 24$
9. $((4/(1/5))+4) = 24$
10. $((5/1)*4)+4 = 24$
11. $((1*(4*5))+4) = 24$
12. $((4*5)/1)+4 = 24$
13. $(1*((4*5)+4)) = 24$
14. $((4*5)+4)/1 = 24$
15. $(1*(4+(4*5))) = 24$
16. $((4+(4*5))/1) = 24$

238. [1, 4, 4, 6]

1. $((1+6)*4)-4 = 24$
2. $(4-((1-6)*4)) = 24$
3. $((6-1)*4)+4 = 24$

239. [1, 4, 4, 7]

1. $((1*4)*7)-4 = 24$
2. $((7*4)-(1*4)) = 24$
3. $((7/(1/4))-4) = 24$
4. $((4/1)*7)-4 = 24$
5. $((7*4)-(4/1)) = 24$
6. $((4*7)-(1*4)) = 24$
7. $((4*7)-(4/1)) = 24$
8. $((1+7)+(4*4)) = 24$
9. $((1*7)*4)-4 = 24$
10. $((4/(1/7))-4) = 24$
11. $((7/1)*4)-4 = 24$
12. $((1+(4*4))+7) = 24$
13. $(1+((4*4)+7)) = 24$
14. $((1*(4*7))-4) = 24$
15. $((4*7)/1)-4 = 24$
16. $(1*((4*7)-4)) = 24$
17. $((4*7)-4)/1 = 24$

240. [1, 4, 4, 8]

1. $((1*4)*4)+8 = 24$
2. $((4/(1/4))+8) = 24$
3. $((4/1)*4)+8 = 24$
4. $((8-1)*4)-4 = 24$
5. $((1*8)+(4*4)) = 24$
6. $((8/1)+(4*4)) = 24$
7. $((1*(4*4))+8) = 24$
8. $((4*4)/1)+8 = 24$
9. $(1*((4*4)+8)) = 24$
10. $((4*4)+8)/1 = 24$

241. [1, 4, 4, 9]

1. $((1-4)+9)*4 = 24$
2. $((9-(4-1))*4) = 24$
3. $((1+9)-4)*4 = 24$
4. $((4*4)-(1-9)) = 24$
5. $((9-1)+(4*4)) = 24$
6. $(9-(1-(4*4))) = 24$
7. $((4*4)-1)+9 = 24$
8. $((4*4)+9)-1 = 24$
9. $((1-(4-9))*4) = 24$
10. $((1+(9-4))*4) = 24$

242. [1, 4, 4, 10]

1. $((10-(1*4))*4) = 24$
2. $((1*4)*(10-4)) = 24$
3. $((10-4)/(1/4)) = 24$
4. $((10-(4/1))*4) = 24$
5. $((4/1)*(10-4)) = 24$
6. $((1*10)-4)*4 = 24$

7. $((10/1)-4)*4 = 24$
8. $((1*(10-4))*4) = 24$
9. $(4/(1/(10-4))) = 24$
10. $((10-4)/1)*4 = 24$
11. $(1*((10-4)*4)) = 24$
12. $((10-4)*4)/1 = 24$
13. $(1*(4*(10-4))) = 24$
14. $((4*(10-4))/1) = 24$

243. [1, 4, 4, 11]

1. $((11-(1+4))*4) = 24$
2. $((11-1)-4)*4 = 24$
3. $((11-4)-1)*4 = 24$

244. [1, 4, 4, 12]

1. $(12-((1-4)*4)) = 24$
2. $((1-4)*(4-12)) = 24$
3. $((4-1)*4)+12 = 24$
4. $((4-1)*(12-4)) = 24$
5. $((1+(4/4))*12) = 24$

245. [1, 4, 4, 13]

无解

246. [1, 4, 5, 5]

1. $(4-((1-5)*5)) = 24$
2. $((4*5)-(1-5)) = 24$
3. $((5-1)*5)+4 = 24$
4. $((5-1)+(4*5)) = 24$
5. $(5-(1-(4*5))) = 24$
6. $((4*5)-1)+5 = 24$
7. $((4*5)+5)-1 = 24$

247. [1, 4, 5, 6]

1. $(6/((5/4)-1)) = 24$
2. $(4/(1-(5/6))) = 24$

248. [1, 4, 5, 7]

1. $((1-5)+(4*7)) = 24$
2. $((5-1)*7)-4 = 24$
3. $((4*7)-(5-1)) = 24$
4. $((1+(4*7))-5) = 24$
5. $(1+((4*7)-5)) = 24$
6. $(1-(5-(4*7))) = 24$

249. [1, 4, 5, 8]

1. $((1+5)*(8-4)) = 24$
2. $(8-((1-5)*4)) = 24$
3. $((5-1)*4)+8 = 24$

250. [1, 4, 5, 9]

1. $(9-((1-4)*5)) = 24$
2. $((4-1)*5)+9 = 24$
3. $((9-4)*5)-1 = 24$

251. [1, 4, 5, 10]

1. $((1-5)+10)*4 = 24$
2. $((1-5)*(4-10)) = 24$
3. $((10-(5-1))*4) = 24$
4. $((5-1)*(10-4)) = 24$
5. $((1+10)-5)*4 = 24$
6. $((1-(5-10))*4) = 24$
7. $((1+(10-5))*4) = 24$

252. [1, 4, 5, 11]

1. $((1*4)*(11-5)) = 24$
2. $((11-5)/(1/4)) = 24$
3. $((4/1)*(11-5)) = 24$
4. $((11-(1*5))*4) = 24$
5. $((11-(5/1))*4) = 24$
6. $((1*11)-5)*4 = 24$
7. $((11/1)-5)*4 = 24$
8. $((1*(11-5))*4) = 24$
9. $(4/(1/(11-5))) = 24$
10. $((11-5)/1)*4 = 24$
11. $(1*(4*(11-5))) = 24$
12. $((4*(11-5))/1) = 24$

253. [1, 4, 5, 12]

1. $((1-4)+5)*12 = 24$
2. $((5-(4-1))*12) = 24$
3. $((1+5)-4)*12 = 24$
4. $((12-(1+5))*4) = 24$
5. $((12-1)-5)*4 = 24$
6. $((1-(4-5))*12) = 24$
7. $((1+(5-4))*12) = 24$
8. $((12-5)-1)*4 = 24$

254. [1, 4, 5, 13]

1. $((1-4)*(5-13)) = 24$
2. $((4-1)*(13-5)) = 24$

255. [1, 4, 6, 6]

1. $((1+4)*6)-6 = 24$
2. $(6-((1-4)*6)) = 24$
3. $((4-1)*6)+6 = 24$

256. [1, 4, 6, 7]

1. $((1-4)+7)*6 = 24$
2. $((7-4-1))*6 = 24$
3. $((1+7)-4)*6 = 24$
4. $((1-(4-7))*6 = 24$
5. $((1+(7-4))*6 = 24$
6. $4/((7/6)-1) = 24$

257. [1, 4, 6, 8]

1. $((1-4)+6)*8 = 24$
2. $((6-(4-1))*8 = 24$
3. $((8-(1*4))*6 = 24$
4. $((8-(4/1))*6 = 24$
5. $((1+6)-4)*8 = 24$
6. $((1*6)*(8-4)) = 24$
7. $((8-4)/(1/6)) = 24$
8. $((6/1)*(8-4)) = 24$
9. $((1*(8-4))*6 = 24$
10. $((8/1)-4)*6 = 24$
11. $((1-(4-6))*8 = 24$
12. $((1+(6-4))*8 = 24$
13. $(8/(1-(4/6))) = 24$
14. $((1*(8-4))*6 = 24$
15. $(6/(1/(8-4))) = 24$
16. $((8-4/1)*6 = 24$
17. $(1*((8-4)*6)) = 24$
18. $((8-4)*6)/1 = 24$

258. [1, 4, 6, 9]

1. $((9-(1+4))*6 = 24$
2. $((9-1)-4)*6 = 24$
3. $((9-4)-1)*6 = 24$

259. [1, 4, 6, 10]

1. $((4-1)*10)-6 = 24$

260. [1, 4, 6, 11]

1. $((1-6)+11)*4 = 24$
2. $((11-(6-1))*4 = 24$
3. $((1+11)-6)*4 = 24$
4. $((1+11)*(6-4)) = 24$
5. $((1-(6-11))*4 = 24$
6. $((1+(11-6))*4 = 24$

261. [1, 4, 6, 12]

1. $6/((4-1)/12) = 24$
2. $((12/(4-1))*6 = 24$
3. $12/((4-1)/6) = 24$
4. $((6/(4-1))*12 = 24$
5. $((12*6)/(4-1) = 24$

6. $((6-(1*4))*12 = 24$
7. $((1*4)*(12-6)) = 24$
8. $((12-6)/(1/4)) = 24$
9. $((6-(4/1))*12 = 24$
10. $((4/1)*(12-6)) = 24$
11. $((1*6)-4)*12 = 24$
12. $((12-(1*6))*4 = 24$
13. $((6/1)-4)*12 = 24$
14. $((12-(6/1))*4 = 24$
15. $((1*12)-6)*4 = 24$
16. $((1*12)*(6-4)) = 24$
17. $((6-4)/(1/12)) = 24$
18. $((12/1)-6)*4 = 24$
19. $((12/1)*(6-4)) = 24$
20. $((1*(6-4))*12 = 24$
21. $12/(1/(6-4)) = 24$
22. $((6-4)/1)*12 = 24$
23. $(1*((6-4)*12)) = 24$
24. $((6-4)*12)/1 = 24$
25. $12/((6/4)-1) = 24$
26. $((1+(12/4))*6 = 24$
27. $((1*(12-6))*4 = 24$
28. $4/(1/(12-6)) = 24$
29. $((12-6)/1)*4 = 24$
30. $(1*(4*(12-6))) = 24$
31. $((4*(12-6))/1 = 24$
32. $((6*12)/(4-1)) = 24$

262. [1, 4, 6, 13]

1. $((1+4)+13)+6 = 24$
2. $((1+4)+6)+13 = 24$
3. $((1+4)+(13+6)) = 24$
4. $((1+6)+4)+13 = 24$
5. $((1+6)+13)+4 = 24$
6. $((13-(1+6))*4 = 24$
7. $((1+6)+(4+13)) = 24$
8. $((1+13)+4)+6 = 24$
9. $((1+13)+6)+4 = 24$
10. $((1+13)+(4+6)) = 24$
11. $((1-13)*(4-6)) = 24$
12. $((13-1)-6)*4 = 24$
13. $((13-1)*(6-4)) = 24$
14. $((1+(4+6))+13 = 24$
15. $(1+((4+6)+13)) = 24$
16. $((1+(4+13))+6 = 24$
17. $(1+((4+13)+6)) = 24$
18. $((1+4)+(6+13)) = 24$
19. $((1+(6+13))+4 = 24$
20. $(1+(4+(6+13))) = 24$

21. $((13-6)-1)*4 = 24$

263. [1, 4, 7, 7]

1. $((1+7)*(7-4)) = 24$

264. [1, 4, 7, 8]

1. $((7-(1*4))*8 = 24$
2. $((7-(4/1))*8 = 24$
3. $((1+7)*4)-8 = 24$
4. $((4*8)-(1+7)) = 24$
5. $((1-7)*(4-8)) = 24$
6. $((7-1)*(8-4)) = 24$
7. $((1*7)-4)*8 = 24$
8. $((7/1)-4)*8 = 24$
9. $((1*8)*(7-4)) = 24$
10. $((7-4)/(1/8)) = 24$
11. $((8/1)*(7-4)) = 24$
12. $((1*(7-4))*8 = 24$
13. $(8/(1/(7-4))) = 24$
14. $((7-4)/1)*8 = 24$
15. $(1*((7-4)*8)) = 24$
16. $((7-4)*8)/1 = 24$
17. $((4*8)-1)-7 = 24$
18. $((4*8)-7)-1 = 24$

265. [1, 4, 7, 9]

1. $((1-9)*(4-7)) = 24$
2. $((9-1)*(7-4)) = 24$

266. [1, 4, 7, 10]

无解

267. [1, 4, 7, 11]

1. $((1+4)*7)-11 = 24$

268. [1, 4, 7, 12]

1. $((1+4)+12)+7 = 24$
2. $((1+4)+7)+12 = 24$
3. $((7-(1+4))*12 = 24$
4. $((1+4)+(12+7)) = 24$
5. $((1+7)+4)+12 = 24$
6. $((1+7)/4)*12 = 24$
7. $12/(4/(1+7)) = 24$
8. $((1+7)+12)+4 = 24$
9. $((1+7)*12)/4 = 24$
10. $((1+7)+(4+12)) = 24$
11. $((1+7)/(4/12)) = 24$
12. $((1+7)*(12/4)) = 24$
13. $((1-7)+12)*4 = 24$

14. $((7-1)-4)*12 = 24$
15. $((12-(7-1))*4 = 24$
16. $((1+12)+4)+7 = 24$
17. $((1+12)+7)+4 = 24$
18. $((1+12)-7)*4 = 24$
19. $((1+12)+(4+7)) = 24$
20. $((1+(4+7))+12 = 24$
21. $(1+((4+7)+12)) = 24$
22. $((7-4)-1)*12 = 24$
23. $((1+(4+12))+7 = 24$
24. $(1+((4+12)+7)) = 24$
25. $((1+4)+(7+12)) = 24$
26. $((1+(7+12))+4 = 24$
27. $(1+(4+(7+12))) = 24$
28. $((1-(7-12))*4 = 24$
29. $((1+(12-7))*4 = 24$

269. [1, 4, 7, 13]

1. $((1*4)+13)+7 = 24$
2. $((1*4)+7)+13 = 24$
3. $((1*4)+(13+7)) = 24$
4. $((1*4)*(13-7)) = 24$
5. $((13-7)/(1/4)) = 24$
6. $((4/1)+13)+7 = 24$
7. $((4/1)+7)+13 = 24$
8. $((4/1)+(13+7)) = 24$
9. $((4/1)*(13-7)) = 24$
10. $((1*7)+4)+13 = 24$
11. $((1*7)+13)+4 = 24$
12. $((13-(1*7))*4 = 24$
13. $((1*7)+(4+13)) = 24$
14. $((7/1)+4)+13 = 24$
15. $((7/1)+13)+4 = 24$
16. $((13-(7/1))*4 = 24$
17. $((7/1)+(4+13)) = 24$
18. $((1*13)+4)+7 = 24$
19. $((1*13)+7)+4 = 24$
20. $((1*13)-7)*4 = 24$
21. $((1*13)+(4+7)) = 24$
22. $((13/1)+4)+7 = 24$
23. $((13/1)+7)+4 = 24$
24. $((13/1)-7)*4 = 24$
25. $((13/1)+(4+7)) = 24$
26. $((1*(4+7))+13 = 24$
27. $((4+7)/1)+13 = 24$
28. $(1*((4+7)+13)) = 24$
29. $((4+7)+13)/1 = 24$
30. $((1*(4+13))+7 = 24$
31. $((4+13)/1)+7 = 24$

$$\begin{aligned}
32. & (1*((4+13)+7)) = 24 \\
33. & (((4+13)+7)/1) = 24 \\
34. & ((1*4)+(7+13)) = 24 \\
35. & ((4/1)+(7+13)) = 24 \\
36. & ((1*(7+13))+4) = 24 \\
37. & (((7+13)/1)+4) = 24 \\
38. & (1*(4+(7+13))) = 24 \\
39. & ((4+(7+13))/1) = 24 \\
40. & ((1*(13-7))*4) = 24 \\
41. & (4/(1/(13-7))) = 24 \\
42. & (((13-7)/1)*4) = 24 \\
43. & (1*(4*(13-7))) = 24 \\
44. & ((4*(13-7))/1) = 24
\end{aligned}$$

$$270. [1, 4, 8, 8]$$

$$\begin{aligned}
1. & ((8-(1+4))*8) = 24 \\
2. & (((1*4)*8)-8) = 24 \\
3. & ((8/(1/4))-8) = 24 \\
4. & (((4/1)*8)-8) = 24 \\
5. & (((8-1)-4)*8) = 24 \\
6. & (((1*8)*4)-8) = 24 \\
7. & ((4*8)-(1*8)) = 24 \\
8. & ((4/(1/8))-8) = 24 \\
9. & (((8/1)*4)-8) = 24 \\
10. & ((4*8)-(8/1)) = 24 \\
11. & (((8-4)-1)*8) = 24 \\
12. & ((1*(4*8))-8) = 24 \\
13. & (((4*8)/1)-8) = 24 \\
14. & (1*((4*8)-8)) = 24 \\
15. & (((4*8)-8)/1) = 24 \\
16. & ((1+(8/4))*8) = 24
\end{aligned}$$

$$271. [1, 4, 8, 9]$$

$$\begin{aligned}
1. & (8/((4-1)/9)) = 24 \\
2. & ((9/(4-1))*8) = 24 \\
3. & (9/((4-1)/8)) = 24 \\
4. & ((8/(4-1))*9) = 24 \\
5. & ((9*8)/(4-1)) = 24 \\
6. & ((1-9)+(4*8)) = 24 \\
7. & (((9-1)*4)-8) = 24 \\
8. & ((4*8)-(9-1)) = 24 \\
9. & ((1+(4*8))-9) = 24 \\
10. & (1+((4*8)-9)) = 24 \\
11. & (1-(9-(4*8))) = 24 \\
12. & ((8*9)/(4-1)) = 24
\end{aligned}$$

$$272. [1, 4, 8, 10]$$

无解

$$273. [1, 4, 8, 11]$$

$$\begin{aligned}
1. & (((1+4)+11)+8) = 24 \\
2. & (((1+4)+8)+11) = 24 \\
3. & ((1+4)+(11+8)) = 24 \\
4. & (((1+8)+4)+11) = 24 \\
5. & (((1+8)+11)+4) = 24 \\
6. & ((1+8)+(4+11)) = 24 \\
7. & (((1+11)+4)+8) = 24 \\
8. & (((1+11)/4)*8) = 24 \\
9. & (8/(4/(1+11))) = 24 \\
10. & (((1+11)+8)+4) = 24 \\
11. & (((1+11)*8)/4) = 24 \\
12. & ((1+11)+(4+8)) = 24 \\
13. & ((1+11)/(4/8)) = 24 \\
14. & ((1+11)*(8/4)) = 24 \\
15. & ((1+(4+8))+11) = 24 \\
16. & (1+((4+8)+11)) = 24 \\
17. & ((1+(4+11))+8) = 24 \\
18. & (1+((4+11)+8)) = 24 \\
19. & ((1+4)+(8+11)) = 24 \\
20. & ((1+(8+11))+4) = 24 \\
21. & (1+(4+(8+11))) = 24
\end{aligned}$$

$$274. [1, 4, 8, 12]$$

$$\begin{aligned}
1. & (((1*4)+12)+8) = 24 \\
2. & (8/((1*4)/12)) = 24 \\
3. & ((12/(1*4))*8) = 24 \\
4. & (((1*4)+8)+12) = 24 \\
5. & (12/((1*4)/8)) = 24 \\
6. & ((8/(1*4))*12) = 24 \\
7. & ((1*4)+(12+8)) = 24 \\
8. & ((12*8)/(1*4)) = 24 \\
9. & (((1/4)*12)*8) = 24 \\
10. & (((1/4)*8)*12) = 24 \\
11. & ((1/4)*(12*8)) = 24 \\
12. & (((4/1)+12)+8) = 24 \\
13. & (8/((4/1)/12)) = 24 \\
14. & ((12/(4/1))*8) = 24 \\
15. & (((4/1)+8)+12) = 24 \\
16. & (12/((4/1)/8)) = 24 \\
17. & ((8/(4/1))*12) = 24 \\
18. & ((4/1)+(12+8)) = 24 \\
19. & ((12*8)/(4/1)) = 24 \\
20. & (((1+8)*4)-12) = 24 \\
21. & (((1*8)+4)+12) = 24 \\
22. & (((1*8)/4)*12) = 24 \\
23. & (12/(4/(1*8))) = 24 \\
24. & (((1*8)+12)+4) = 24 \\
25. & (((1*8)*12)/4) = 24
\end{aligned}$$

$$26. ((1*8)+(4+12)) = 24$$

$$\begin{aligned}
27. & ((1*8)/(4/12)) = 24 \\
28. & ((1*8)*(12/4)) = 24 \\
29. & (12/((1/8)*4)) = 24 \\
30. & ((12/(1/8))/4) = 24 \\
31. & ((12/4)/(1/8)) = 24 \\
32. & (((8/1)+4)+12) = 24 \\
33. & (((8/1)/4)*12) = 24 \\
34. & (12/(4/(8/1))) = 24 \\
35. & (((8/1)+12)+4) = 24 \\
36. & (((8/1)*12)/4) = 24 \\
37. & ((8/1)+(4+12)) = 24 \\
38. & ((8/1)/(4/12)) = 24 \\
39. & ((8/1)*(12/4)) = 24 \\
40. & (((1*12)+4)+8) = 24 \\
41. & (((1*12)/4)*8) = 24 \\
42. & (8/(4/(1*12))) = 24 \\
43. & (((1*12)+8)+4) = 24 \\
44. & (((1*12)*8)/4) = 24 \\
45. & ((1*12)+(4+8)) = 24 \\
46. & ((1*12)/(4/8)) = 24 \\
47. & ((1*12)*(8/4)) = 24 \\
48. & (8/((1/12)*4)) = 24 \\
49. & ((8/(1/12))/4) = 24 \\
50. & ((8/4)/(1/12)) = 24 \\
51. & (((12/1)+4)+8) = 24 \\
52. & (((12/1)/4)*8) = 24 \\
53. & (8/(4/(12/1))) = 24 \\
54. & (((12/1)+8)+4) = 24 \\
55. & (((12/1)*8)/4) = 24 \\
56. & ((12/1)+(4+8)) = 24 \\
57. & ((12/1)/(4/8)) = 24 \\
58. & ((12/1)*(8/4)) = 24 \\
59. & ((1*(4+8))+12) = 24 \\
60. & (((4+8)/1)+12) = 24 \\
61. & (1*((4+8)+12)) = 24 \\
62. & (((4+8)+12)/1) = 24 \\
63. & (12/(1-(4/8))) = 24 \\
64. & (12/(1*(4/8))) = 24 \\
65. & ((1/(4/8))*12) = 24 \\
66. & (12/((4/8)/1)) = 24 \\
67. & (1/((4/8)/12)) = 24 \\
68. & (1*(12/(4/8))) = 24 \\
69. & ((12/(4/8))/1) = 24 \\
70. & ((1*(8/4))*12) = 24 \\
71. & (12/(1/(8/4))) = 24 \\
72. & (((8/4)/1)*12) = 24 \\
73. & (1*((8/4)*12)) = 24 \\
74. & (((8/4)*12)/1) = 24
\end{aligned}$$

$$75. ((1*(4+12))+8) = 24$$

$$\begin{aligned}
76. & (((4+12)/1)+8) = 24 \\
77. & (1*((4+12)+8)) = 24 \\
78. & (((4+12)+8)/1) = 24 \\
79. & (8/(1*(4/12))) = 24 \\
80. & ((1/(4/12))*8) = 24 \\
81. & (8/((4/12)/1)) = 24 \\
82. & (1/((4/12)/8)) = 24 \\
83. & (1*(8/(4/12))) = 24 \\
84. & ((8/(4/12))/1) = 24 \\
85. & ((1*(12/4))*8) = 24 \\
86. & (8/(1/(12/4))) = 24 \\
87. & (((12/4)/1)*8) = 24 \\
88. & (1*((12/4)*8)) = 24 \\
89. & (((12/4)*8)/1) = 24 \\
90. & ((1*4)+(8+12)) = 24 \\
91. & ((4/1)+(8+12)) = 24 \\
92. & ((1*(8+12))+4) = 24 \\
93. & (((8+12)/1)+4) = 24 \\
94. & (1*(4+(8+12))) = 24 \\
95. & ((4+(8+12))/1) = 24 \\
96. & ((8*12)/(1*4)) = 24 \\
97. & ((1/4)*(8*12)) = 24 \\
98. & ((8*12)/(4/1)) = 24 \\
99. & ((1*(8*12))/4) = 24 \\
100. & (((8*12)/1)/4) = 24 \\
101. & (1/(4/(8*12))) = 24 \\
102. & (1*((8*12)/4)) = 24 \\
103. & (((8*12)/4)/1) = 24
\end{aligned}$$

$$275. [1, 4, 8, 13]$$

$$\begin{aligned}
1. & (8-((1-4)-13)) = 24 \\
2. & ((13-(1-4))+8) = 24 \\
3. & (13-((1-4)-8)) = 24 \\
4. & ((8-(1-4))+13) = 24 \\
5. & ((13+8)-(1-4)) = 24 \\
6. & (((4-1)+13)+8) = 24 \\
7. & (((4-1)+8)+13) = 24 \\
8. & ((4-1)+(13+8)) = 24 \\
9. & (13-((1-8)-4)) = 24 \\
10. & ((4-(1-8))+13) = 24 \\
11. & (((1-8)+13)*4) = 24 \\
12. & (4-((1-8)-13)) = 24 \\
13. & ((13-(1-8))+4) = 24 \\
14. & ((4+13)-(1-8)) = 24 \\
15. & (((8-1)+4)+13) = 24 \\
16. & (((8-1)+13)+4) = 24 \\
17. & ((13-(8-1))*4) = 24 \\
18. & ((8-1)+(4+13)) = 24
\end{aligned}$$

$$\begin{aligned}
19. & (((1+13)-8)*4) = 24 \\
20. & (8-((1-13)-4)) = 24 \\
21. & ((4-(1-13))+8) = 24 \\
22. & (4-((1-13)-8)) = 24 \\
23. & ((8-(1-13))+4) = 24 \\
24. & ((4+8)-(1-13)) = 24 \\
25. & (((13-1)+4)+8) = 24 \\
26. & (((13-1)/4)*8) = 24 \\
27. & (8/(4/(13-1))) = 24 \\
28. & (((13-1)+8)+4) = 24 \\
29. & (((13-1)*8)/4) = 24 \\
30. & ((13-1)+(4+8)) = 24 \\
31. & ((13-1)/(4/8)) = 24 \\
32. & ((13-1)*(8/4)) = 24 \\
33. & (13-(1-(4+8))) = 24 \\
34. & (((4+8)-1)+13) = 24 \\
35. & (((4+8)+13)-1) = 24 \\
36. & (8-(1-(4+13))) = 24 \\
37. & (((4+13)-1)+8) = 24 \\
38. & (((4+13)+8)-1) = 24 \\
39. & ((8+13)-(1-4)) = 24 \\
40. & ((4-1)+(8+13)) = 24 \\
41. & (4-(1-(8+13))) = 24 \\
42. & (((8+13)-1)+4) = 24 \\
43. & ((4+(8+13))-1) = 24 \\
44. & ((1-(8-13))*4) = 24 \\
45. & ((1+(13-8))*4) = 24
\end{aligned}$$

$$276. [1, 4, 9, 9]$$

无解

$$277. [1, 4, 9, 10]$$

$$\begin{aligned}
1. & (((1+4)+10)+9) = 24 \\
2. & (((1+4)+9)+10) = 24 \\
3. & ((1+4)+(10+9)) = 24 \\
4. & (((1+9)+4)+10) = 24 \\
5. & (((1+9)+10)+4) = 24 \\
6. & ((1+9)+(4+10)) = 24 \\
7. & (((1+10)+4)+9) = 24 \\
8. & (((1+10)+9)+4) = 24 \\
9. & ((1+10)+(4+9)) = 24 \\
10. & ((1+(4+9))+10) = 24 \\
11. & (1+((4+9)+10)) = 24 \\
12. & ((1+(4+10))+9) = 24 \\
13. & (1+((4+10)+9)) = 24 \\
14. & ((1+4)+(9+10)) = 24 \\
15. & ((1+(9+10))+4) = 24 \\
16. & (1+(4+(9+10))) = 24
\end{aligned}$$

$$278. [1, 4, 9, 11]$$

$$\begin{aligned}
1. & (((4-1)*11)-9) = 24 \\
2. & (((1*4)+11)+9) = 24 \\
3. & (((1*4)+9)+11) = 24 \\
4. & ((1*4)+(11+9)) = 24 \\
5. & (((4/1)+11)+9) = 24 \\
6. & (((4/1)+9)+11) = 24 \\
7. & ((4/1)+(11+9)) = 24 \\
8. & (((1*9)+4)+11) = 24 \\
9. & (((1*9)+11)+4) = 24 \\
10. & ((1*9)+(4+11)) = 24 \\
11. & (((9/1)+4)+11) = 24 \\
12. & (((9/1)+11)+4) = 24 \\
13. & ((9/1)+(4+11)) = 24 \\
14. & ((4*9)-(1+11)) = 24 \\
15. & (((1*11)+4)+9) = 24 \\
16. & (((1*11)+9)+4) = 24 \\
17. & ((1*11)+(4+9)) = 24 \\
18. & (((11/1)+4)+9) = 24 \\
19. & (((11/1)+9)+4) = 24 \\
20. & ((11/1)+(4+9)) = 24 \\
21. & ((1*(4+9))+11) = 24 \\
22. & (((4+9)/1)+11) = 24 \\
23. & (1*((4+9)+11)) = 24 \\
24. & (((4+9)+11)/1) = 24 \\
25. & (((4*9)-1)-11) = 24 \\
26. & (((4*9)-11)-1) = 24 \\
27. & ((1*(4+11))+9) = 24 \\
28. & (((4+11)/1)+9) = 24 \\
29. & (1*((4+11)+9)) = 24 \\
30. & (((4+11)+9)/1) = 24 \\
31. & ((1*4)+(9+11)) = 24 \\
32. & ((4/1)+(9+11)) = 24 \\
33. & ((1*(9+11))+4) = 24 \\
34. & (((9+11)/1)+4) = 24 \\
35. & (1*(4+(9+11))) = 24 \\
36. & ((4+(9+11))/1) = 24
\end{aligned}$$

$$279. [1, 4, 9, 12]$$

$$\begin{aligned}
1. & (9-((1-4)-12)) = 24 \\
2. & ((12-(1-4))+9) = 24 \\
3. & (12-((1-4)-9)) = 24 \\
4. & ((9-(1-4))+12) = 24 \\
5. & ((12+9)-(1-4)) = 24 \\
6. & (((4-1)+12)+9) = 24 \\
7. & (((4-1)+9)+12) = 24 \\
8. & ((4-1)+(12+9)) = 24 \\
9. & (((1*4)*9)-12) = 24 \\
10. & ((9/(1/4))-12) = 24
\end{aligned}$$

$$11. (((4/1)*9)-12) = 24$$

$$\begin{aligned}
12. & (12-((1-9)-4)) = 24 \\
13. & ((4-(1-9))+12) = 24 \\
14. & (4-((1-9)-12)) = 24 \\
15. & ((12-(1-9))+4) = 24 \\
16. & ((4+12)-(1-9)) = 24 \\
17. & (((9-1)+4)+12) = 24 \\
18. & (((9-1)/4)*12) = 24 \\
19. & (12/(4/(9-1))) = 24 \\
20. & (((9-1)+12)+4) = 24 \\
21. & (((9-1)*12)/4) = 24 \\
22. & ((9-1)+(4+12)) = 24 \\
23. & ((9-1)/(4/12)) = 24 \\
24. & ((9-1)*(12/4)) = 24 \\
25. & (((1*9)*4)-12) = 24 \\
26. & ((4/(1/9))-12) = 24 \\
27. & (((9/1)*4)-12) = 24 \\
28. & (9-((1-12)-4)) = 24 \\
29. & ((4-(1-12))+9) = 24 \\
30. & (4-((1-12)-9)) = 24 \\
31. & ((9-(1-12))+4) = 24 \\
32. & ((4+9)-(1-12)) = 24 \\
33. & (((12-1)+4)+9) = 24 \\
34. & (((12-1)+9)+4) = 24 \\
35. & ((12-1)+(4+9)) = 24 \\
36. & ((4*9)-(1*12)) = 24 \\
37. & ((4*9)-(12/1)) = 24 \\
38. & (12-(1-(4+9))) = 24 \\
39. & (((4+9)-1)+12) = 24 \\
40. & (((4+9)+12)-1) = 24 \\
41. & ((1*(4*9))-12) = 24 \\
42. & (((4*9)/1)-12) = 24 \\
43. & (1*((4*9)-12)) = 24 \\
44. & (((4*9)-12)/1) = 24 \\
45. & (9-(1-(4+12))) = 24 \\
46. & (((4+12)-1)+9) = 24 \\
47. & (((4+12)+9)-1) = 24 \\
48. & ((9+12)-(1-4)) = 24 \\
49. & ((4-1)+(9+12)) = 24 \\
50. & (4-(1-(9+12))) = 24 \\
51. & (((9+12)-1)+4) = 24 \\
52. & ((4+(9+12))-1) = 24
\end{aligned}$$

$$280. [1, 4, 9, 13]$$

$$\begin{aligned}
1. & ((1-13)+(4*9)) = 24 \\
2. & ((4*9)-(13-1)) = 24 \\
3. & ((1+(4*9))-13) = 24 \\
4. & (1+((4*9)-13)) = 24 \\
5. & (1-(13-(4*9))) = 24
\end{aligned}$$

$$281. [1, 4, 10, 10]$$

$$\begin{aligned}
1. & (((1*4)+10)+10) = 24 \\
2. & ((1*4)+(10+10)) = 24 \\
3. & (((4/1)+10)+10) = 24 \\
4. & ((4/1)+(10+10)) = 24 \\
5. & (((1*10)+4)+10) = 24 \\
6. & (((1*10)+10)+4) = 24 \\
7. & ((1*10)+(4+10)) = 24 \\
8. & (((10/1)+4)+10) = 24 \\
9. & (((10/1)+10)+4) = 24 \\
10. & ((10/1)+(4+10)) = 24 \\
11. & ((1*(4+10))+10) = 24 \\
12. & (((4+10)/1)+10) = 24 \\
13. & (1*((4+10)+10)) = 24 \\
14. & (((4+10)+10)/1) = 24 \\
15. & ((10/(4/10))-1) = 24 \\
16. & (((10/4)*10)-1) = 24 \\
17. & ((1*(10+10))+4) = 24 \\
18. & (((10+10)/1)+4) = 24 \\
19. & (1*(4+(10+10))) = 24 \\
20. & ((4+(10+10))/1) = 24 \\
21. & (((10*10)/4)-1) = 24
\end{aligned}$$

$$282. [1, 4, 10, 11]$$

$$\begin{aligned}
1. & (10-((1-4)-11)) = 24 \\
2. & ((11-(1-4))+10) = 24 \\
3. & (11-((1-4)-10)) = 24 \\
4. & ((10-(1-4))+11) = 24 \\
5. & ((11+10)-(1-4)) = 24 \\
6. & (((4-1)+11)+10) = 24 \\
7. & (((4-1)+10)+11) = 24 \\
8. & ((4-1)+(11+10)) = 24 \\
9. & (11-((1-10)-4)) = 24 \\
10. & ((4-(1-10))+11) = 24 \\
11. & (4-((1-10)-11)) = 24 \\
12. & ((11-(1-10))+4) = 24 \\
13. & ((4+11)-(1-10)) = 24 \\
14. & (((10-1)+4)+11) = 24 \\
15. & (((10-1)+11)+4) = 24 \\
16. & ((10-1)+(4+11)) = 24 \\
17. & (10-((1-11)-4)) = 24 \\
18. & ((4-(1-11))+10) = 24 \\
19. & (4-((1-11)-10)) = 24 \\
20. & ((10-(1-11))+4) = 24 \\
21. & ((4+10)-(1-11)) = 24 \\
22. & (((11-1)+4)+10) = 24 \\
23. & (((11-1)+10)+4) = 24 \\
24. & ((11-1)+(4+10)) = 24
\end{aligned}$$

$$25. (11-(1-(4+10))) = 24$$

$$26. (((4+10)-1)+11) = 24$$

$$27. (((4+10)+11)-1) = 24$$

$$28. (10-(1-(4+11))) = 24$$

$$29. (((4+11)-1)+10) = 24$$

$$30. (((4+11)+10)-1) = 24$$

$$31. ((10+11)-(1-4)) = 24$$

$$32. ((4-1)+(10+11)) = 24$$

$$33. (4-(1-(10+11))) = 24$$

$$34. (((10+11)-1)+4) = 24$$

$$35. ((4+(10+11))-1) = 24$$

$$283. [1, 4, 10, 12]$$

$$1. (10/((1+4)/12)) = 24$$

$$2. ((12/(1+4))*10) = 24$$

$$3. (12/((1+4)/10)) = 24$$

$$4. ((10/(1+4))*12) = 24$$

$$5. ((12*10)/(1+4)) = 24$$

$$6. (((10-1)*4)-12) = 24$$

$$7. ((10*12)/(1+4)) = 24$$

$$8. (4/(1-(10/12))) = 24$$

$$284. [1, 4, 10, 13]$$

无解

$$285. [1, 4, 11, 11]$$

无解

$$286. [1, 4, 11, 12]$$

无解

$$287. [1, 4, 11, 13]$$

无解

$$288. [1, 4, 12, 12]$$

$$1. (((4-1)*12)-12) = 24$$

$$2. (((12/4)-1)*12) = 24$$

$$289. [1, 4, 12, 13]$$

无解

$$290. [1, 4, 13, 13]$$

无解

$$291. [1, 5, 5, 5]$$

$$1. ((5-(1/5))*5) = 24$$

$$292. [1, 5, 5, 6]$$

$$1. (((1+5)*5)-6) = 24$$

$$2. ((6*5)-(1+5)) = 24$$

$$3. ((5*6)-(1+5)) = 24$$

$$4. (((5*6)-1)-5) = 24$$

$$5. (((5*6)-5)-1) = 24$$

$$293. [1, 5, 5, 7]$$

无解

$$294. [1, 5, 5, 8]$$

无解

$$295. [1, 5, 5, 9]$$

$$1. ((1+5)*(9-5)) = 24$$

$$296. [1, 5, 5, 10]$$

$$1. (((10-5)*5)-1) = 24$$

$$2. ((5*(10-5))-1) = 24$$

$$297. [1, 5, 5, 11]$$

$$1. ((1-5)*(5-11)) = 24$$

$$2. ((5-1)*(11-5)) = 24$$

$$298. [1, 5, 5, 12]$$

$$1. ((1+(5/5))*12) = 24$$

$$299. [1, 5, 5, 13]$$

$$1. (((1+5)+13)+5) = 24$$

$$2. (((1+5)+5)+13) = 24$$

$$3. ((1+5)+(13+5)) = 24$$

$$4. ((1+5)+(5+13)) = 24$$

$$5. (((1+13)+5)+5) = 24$$

$$6. ((1+13)+(5+5)) = 24$$

$$7. ((1+(5+5))+13) = 24$$

$$8. (1+((5+5)+13)) = 24$$

$$9. ((1+(5+13))+5) = 24$$

$$10. (1+((5+13)+5)) = 24$$

$$11. (1+(5+(5+13))) = 24$$

$$300. [1, 5, 6, 6]$$

$$1. (((1*5)*6)-6) = 24$$

$$2. ((6/(1/5))-6) = 24$$

$$3. (((5/1)*6)-6) = 24$$

$$4. (((1*6)*5)-6) = 24$$

$$5. ((5*6)-(1*6)) = 24$$

$$6. ((5/(1/6))-6) = 24$$

$$7. (((6/1)*5)-6) = 24$$

$$8. ((5*6)-(6/1)) = 24$$

$$9. ((1*(5*6))-6) = 24$$

$$10. (((5*6)/1)-6) = 24$$

$$11. (1*((5*6)-6)) = 24$$

$$12. (((5*6)-6)/1) = 24$$

$$301. [1, 5, 6, 7]$$

$$1. ((1-7)+(5*6)) = 24$$

$$2. (((7-1)*5)-6) = 24$$

$$3. ((5*6)-(-7-1)) = 24$$

$$4. ((1+(5*6))-7) = 24$$

$$5. (1+((5*6)-7)) = 24$$

$$6. (1-(7-(5*6))) = 24$$

$$302. [1, 5, 6, 8]$$

$$1. (((1-5)+8)*6) = 24$$

$$2. ((8-(5-1))*6) = 24$$

$$3. (((1+8)-5)*6) = 24$$

$$4. ((1-(5-8))*6) = 24$$

$$5. ((1+(8-5))*6) = 24$$

$$303. [1, 5, 6, 9]$$

$$1. ((9-(1*5))*6) = 24$$

$$2. ((9-(5/1))*6) = 24$$

$$3. ((1*6)*(9-5)) = 24$$

$$4. ((9-5)/(1/6)) = 24$$

$$5. ((6/1)*(9-5)) = 24$$

$$6. (((1*9)-5)*6) = 24$$

$$7. (((9/1)-5)*6) = 24$$

$$8. ((1*(9-5))*6) = 24$$

$$9. (6/(1/(9-5))) = 24$$

$$10. (((9-5)/1)*6) = 24$$

$$11. (1*((9-5)*6)) = 24$$

$$12. (((9-5)*6)/1) = 24$$

$$304. [1, 5, 6, 10]$$

$$1. ((10-(1+5))*6) = 24$$

$$2. ((1+5)*(10-6)) = 24$$

$$3. (((10-1)-5)*6) = 24$$

$$4. (((10-5)-1)*6) = 24$$

$$305. [1, 5, 6, 11]$$

$$1. (((1+6)*5)-11) = 24$$

$$2. ((5*(11-6))-1) = 24$$

$$306. [1, 5, 6, 12]$$

$$1. (((1+5)+12)+6) = 24$$

$$2. (((1+5)+6)+12) = 24$$

$$3. (((1+5)*6)-12) = 24$$

$$4. ((1+5)+(12+6)) = 24$$

$$5. (((1-5)+6)*12) = 24$$

$$6. ((1-5)*(6-12)) = 24$$

$$7. ((6-(5-1))*12) = 24$$

$$8. ((5-1)*(12-6)) = 24$$

$$9. (((1+6)+5)+12) = 24$$

$$10. (((1+6)-5)*12) = 24$$

$$11. (((1+6)+12)+5) = 24$$

$$12. ((1+6)+(5+12)) = 24$$

$$13. (((1+12)+5)+6) = 24$$

$$14. (((1+12)+6)+5) = 24$$

$$15. ((1+12)+(5+6)) = 24$$

$$16. ((1+(5+6))+12) = 24$$

$$17. (1+((5+6)+12)) = 24$$

$$18. ((1-(5-6))*12) = 24$$

$$19. ((1+(6-5))*12) = 24$$

$$20. ((1+(5+12))+6) = 24$$

$$21. (1+((5+12)+6)) = 24$$

$$22. ((1+5)+(6+12)) = 24$$

$$23. ((1+(6+12))+5) = 24$$

$$24. (1+(5+(6+12))) = 24$$

$$307. [1, 5, 6, 13]$$

$$1. (((1*5)+13)+6) = 24$$

$$2. (((1*5)+6)+13) = 24$$

$$3. ((1*5)+(13+6)) = 24$$

$$4. (((5/1)+13)+6) = 24$$

$$5. (((5/1)+6)+13) = 24$$

$$6. ((5/1)+(13+6)) = 24$$

$$7. (((1*6)+5)+13) = 24$$

$$8. (((1*6)+13)+5) = 24$$

$$9. ((1*6)+(5+13)) = 24$$

$$10. (((6/1)+5)+13) = 24$$

$$11. (((6/1)+13)+5) = 24$$

$$12. ((6/1)+(5+13)) = 24$$

$$13. (((1*13)+5)+6) = 24$$

$$14. (((1*13)+6)+5) = 24$$

$$15. ((1*13)+(5+6)) = 24$$

$$16. (((13/1)+5)+6) = 24$$

$$17. (((13/1)+6)+5) = 24$$

$$18. ((13/1)+(5+6)) = 24$$

$$19. ((1*(5+6))+13) = 24$$

$$20. (((5+6)/1)+13) = 24$$

$$21. (1*((5+6)+13)) = 24$$

$$22. (((5+6)+13)/1) = 24$$

$$23. ((1*(5+13))+6) = 24$$

$$24. (((5+13)/1)+6) = 24$$

$$25. (1*((5+13)+6)) = 24$$

$$26. (((5+13)+6)/1) = 24$$

$$27. ((1*5)+(6+13)) = 24$$

$$28. ((5/1)+(6+13)) = 24$$

$$29. ((1*(6+13))+5) = 24$$

$$30. (((6+13)/1)+5) = 24$$

$$31. (1*(5+(6+13))) = 24$$

$$32. ((5+(6+13))/1) = 24$$

$$308. [1, 5, 7, 7]$$

无解

$$309. [1, 5, 7, 8]$$

$$1. (((1-5)+7)*8) = 24$$

$$2. ((7-(5-1))*8) = 24$$

$$3. (((1+7)-5)*8) = 24$$

$$4. ((1+7)*(8-5)) = 24$$

$$5. ((1-(5-7))*8) = 24$$

$$6. ((1+(7-5))*8) = 24$$

$$310. [1, 5, 7, 9]$$

$$1. ((1-7)*(5-9)) = 24$$

$$2. ((7-1)*(9-5)) = 24$$

$$311. [1, 5, 7, 10]$$

$$1. ((5*7)-(1+10)) = 24$$

$$2. (((5*7)-1)-10) = 24$$

$$3. (((5*7)-10)-1) = 24$$

$$4. ((1+(7/5))*10) = 24$$

$$312. [1, 5, 7, 11]$$

$$1. (((1+5)+11)+7) = 24$$

$$2. (((1+5)+7)+11) = 24$$

$$3. ((1+5)+(11+7)) = 24$$

$$4. ((1+5)*(11-7)) = 24$$

$$5. (((1*5)*7)-11) = 24$$

$$6. ((7/(1/5))-11) = 24$$

$$7. (((5/1)*7)-11) = 24$$

$$8. (((1+7)+5)+11) = 24$$

$$9. (((1+7)+11)+5) = 24$$

$$10. ((1+7)+(5+11)) = 24$$

$$11. (((1*7)*5)-11) = 24$$

$$12. ((5/(1/7))-11) = 24$$

$$13. (((7/1)*5)-11) = 24$$

$$14. (((1+11)+5)+7) = 24$$

$$15. (((1+11)+7)+5) = 24$$

$$16. ((1+11)+(5+7)) = 24$$

$$17. ((1+11)*(7-5)) = 24$$

$$18. ((5*7)-(1*11)) = 24$$

$$19. ((5*7)-(11/1)) = 24$$

$$20. ((1+(5+7))+11) = 24$$

$$21. (1+((5+7)+11)) = 24$$

$$22. ((1*(5*7))-11) = 24$$

$$23. (((5*7)/1)-11) = 24$$

$$24. (1*((5*7)-11)) = 24$$

$$25. (((5*7)-11)/1) = 24$$

$$26. ((1+(5+11))+7) = 24$$

$$27. (1+((5+11)+7)) = 24$$

$$28. ((1+5)+(7+11)) = 24$$

$$29. ((1+(7+11))+5) = 24$$

$$30. (1+(5+(7+11))) = 24$$

$$313. [1, 5, 7, 12]$$

$$1. (((1*5)+12)+7) = 24$$

$$2. (((1*5)+7)+12) = 24$$

$$3. ((7-(1*5))*12) = 24$$

$$4. ((1*5)+(12+7)) = 24$$

$$5. (((5/1)+12)+7) = 24$$

$$6. (((5/1)+7)+12) = 24$$

$$7. ((7-(5/1))*12) = 24$$

$$8. ((5/1)+(12+7)) = 24$$

$$9. (((1*7)+5)+12) = 24$$

$$10. (((1*7)-5)*12) = 24$$

$$11. (((1*7)+12)+5) = 24$$

$$12. ((1*7)+(5+12)) = 24$$

$$13. (((7/1)+5)+12) = 24$$

$$14. (((7/1)-5)*12) = 24$$

$$15. (((7/1)+12)+5) = 24$$

$$16. ((7/1)+(5+12)) = 24$$

$$17. ((1-12)+(5*7)) = 24$$

$$18. ((5*7)-(12-1)) = 24$$

$$19. (((1*12)+5)+7) = 24$$

$$20. (((1*12)+7)+5) = 24$$

$$21. ((1*12)+(5+7)) = 24$$

$$22. ((1*12)*(7-5)) = 24$$

$$23. ((7-5)/(1/12)) = 24$$

$$24. (((12/1)+5)+7) = 24$$

$$25. (((12/1)+7)+5) = 24$$

$$26. ((12/1)+(5+7)) = 24$$

$$27. ((12/1)*(7-5)) = 24$$

$$28. ((1*(5+7))+12) = 24$$

$$29. (((5+7)/1)+12) = 24$$

$$30. (1*((5+7)+12)) = 24$$

$$31. (((5+7)+12)/1) = 24$$

$$32. ((1*(7-5))*12) = 24$$

$$33. (12/(1/(7-5))) = 24$$

$$34. (((7-5)/1)*12) = 24$$

$$35. (1*((7-5)*12)) = 24$$

$$36. (((7-5)*12)/1) = 24$$

$$37. ((1+(5*7))-12) = 24$$

$$38. (1+((5*7)-12)) = 24$$

$$39. (1-(12-(5*7))) = 24$$

$$40. ((1*(5+12))+7) = 24$$

$$41. (((5+12)/1)+7) = 24$$

$$42. (1*((5+12)+7)) = 24$$

$$43. (((5+12)+7)/1) = 24$$

$$44. ((1*5)+(7+12)) = 24$$

$$45. ((5/1)+(7+12)) = 24$$

$$46. ((1*(7+12))+5) = 24$$

$$47. (((7+12)/1)+5) = 24$$

$$48. (1*(5+(7+12))) = 24$$

$$49. ((5+(7+12))/1) = 24$$

$$50. ((5*(12-7))-1) = 24$$

$$314. [1, 5, 7, 13]$$

$$1. (7-((1-5)-13)) = 24$$

$$2. ((13-(1-5))+7) = 24$$

$$3. (13-((1-5)-7)) = 24$$

$$4. ((7-(1-5))+13) = 24$$

$$5. ((13+7)-(1-5)) = 24$$

$$6. ((1-5)*(7-13)) = 24$$

$$7. (((5-1)+13)+7) = 24$$

$$8. (((5-1)+7)+13) = 24$$

$$9. ((5-1)+(13+7)) = 24$$

$$10. ((5-1)*(13-7)) = 24$$

$$11. (13-((1-7)-5)) = 24$$

$$12. ((5-(1-7))+13) = 24$$

$$13. (5-((1-7)-13)) = 24$$

$$14. ((13-(1-7))+5) = 24$$

$$15. ((5+13)-(1-7)) = 24$$

$$16. (((7-1)+5)+13) = 24$$

$$17. (((7-1)+13)+5) = 24$$

$$18. ((7-1)+(5+13)) = 24$$

$$19. (7-((1-13)-5)) = 24$$

$$20. ((5-(1-13))+7) = 24$$

$$21. (5-((1-13)-7)) = 24$$

$$22. ((7-(1-13))+5) = 24$$

$$23. ((5+7)-(1-13)) = 24$$

$$24. ((1-13)*(5-7)) = 24$$

$$25. (((13-1)+5)+7) = 24$$

$$26. (((13-1)+7)+5) = 24$$

$$27. ((13-1)+(5+7)) = 24$$

$$28. ((13-1)*(7-5)) = 24$$

$$29. (13-(1-(5+7))) = 24$$

$$30. (((5+7)-1)+13) = 24$$

$$31. (((5+7)+13)-1) = 24$$

$$32. (7-(1-(5+13))) = 24$$

$$33. (((5+13)-1)+7) = 24$$

$$34. (((5+13)+7)-1) = 24$$

$$35. ((7+13)-(1-5)) = 24$$

$$36. ((5-1)+(7+13)) = 24$$

$$37. (5-(1-(7+13))) = 24$$

$$38. (((7+13)-1)+5) = 24$$

$$39. ((5+(7+13))-1) = 24$$

$$315. [1, 5, 8, 8]$$

$$1. (((5-1)*8)-8) = 24$$

$$2. ((8-(1*5))*8) = 24$$

$$3. ((8-(5/1))*8) = 24$$

$$4. (((1*8)-5)*8) = 24$$

$$5. ((1*8)*(8-5)) = 24$$

$$6. ((8-5)/(1/8)) = 24$$

$$7. (((8/1)-5)*8) = 24$$

$$8. ((8/1)*(8-5)) = 24$$

$$9. ((1*(8-5))*8) = 24$$

$$10. (8/(1/(8-5))) = 24$$

$$11. (((8-5)/1)*8) = 24$$

$$12. (1*((8-5)*8)) = 24$$

$$13. (((8-5)*8)/1) = 24$$

$$316. [1, 5, 8, 9]$$

$$1. ((9-(1+5))*8) = 24$$

$$2. ((1-9)*(5-8)) = 24$$

$$3. (((9-1)-5)*8) = 24$$

$$4. ((9-1)*(8-5)) = 24$$

$$5. (9/(1-(5/8))) = 24$$

$$6. (((9-5)-1)*8) = 24$$

$$317. [1, 5, 8, 10]$$

$$1. (((1+5)+10)+8) = 24$$

$$2. (((1+5)+8)+10) = 24$$

$$3. ((1+5)+(10+8)) = 24$$

$$4. (((1+8)+5)+10) = 24$$

$$5. (((1+8)+10)+5) = 24$$

$$6. ((1+8)+(5+10)) = 24$$

$$7. (((1+10)+5)+8) = 24$$

$$8. (((1+10)+8)+5) = 24$$

$$9. ((1+10)+(5+8)) = 24$$

$$10. ((1+(5+8))+10) = 24$$

$$11. (1+((5+8)+10)) = 24$$

$$12. ((1+(5+10))+8) = 24$$

$$13. (1+((5+10)+8)) = 24$$

$$14. ((1+(10/5))*8) = 24$$

$$15. ((1+5)+(8+10)) = 24$$

$$16. ((1+(8+10))+5) = 24$$

$$17. (1+(5+(8+10))) = 24$$

$$318. [1, 5, 8, 11]$$

$$1. (((1*5)+11)+8) = 24$$

$$2. (((1*5)+8)+11) = 24$$

$$3. ((1*5)+(11+8)) = 24$$

4. $((5/1)+11)+8 = 24$
5. $((5/1)+8)+11 = 24$
6. $((5/1)+(11+8)) = 24$
7. $((8-1)*5)-11 = 24$
8. $((1*8)+5)+11 = 24$
9. $((1*8)+11)+5 = 24$
10. $((1*8)+(5+11)) = 24$
11. $((8/1)+5)+11 = 24$
12. $((8/1)+11)+5 = 24$
13. $((8/1)+(5+11)) = 24$
14. $((1*11)+5)+8 = 24$
15. $((1*11)+8)+5 = 24$
16. $((1*11)+(5+8)) = 24$
17. $((11/1)+5)+8 = 24$
18. $((11/1)+8)+5 = 24$
19. $((11/1)+(5+8)) = 24$
20. $((1*(5+8))+11) = 24$
21. $((5+8)/1)+11 = 24$
22. $(1*((5+8)+11)) = 24$
23. $((5+8)+11)/1 = 24$
24. $((1*(5+11))+8) = 24$
25. $((5+11)/1)+8 = 24$
26. $(1*((5+11)+8)) = 24$
27. $((5+11)+8)/1 = 24$
28. $((1*5)+(8+11)) = 24$
29. $((5/1)+(8+11)) = 24$
30. $((1*(8+11))+5) = 24$
31. $((8+11)/1)+5 = 24$
32. $(1*(5+(8+11))) = 24$
33. $((5+(8+11))/1) = 24$

319. [1, 5, 8, 12]

1. $((8-(1+5))*12) = 24$
2. $((1+5)*(12-8)) = 24$
3. $(8-((1-5)-12)) = 24$
4. $((12-(1-5))+8) = 24$
5. $(12-((1-5)-8)) = 24$
6. $((8-(1-5))+12) = 24$
7. $((12+8)-(1-5)) = 24$
8. $((5-1)+12)+8 = 24$
9. $(8/((5-1)/12)) = 24$
10. $((12/(5-1))*8) = 24$
11. $((5-1)+8)+12 = 24$
12. $(12/((5-1)/8)) = 24$
13. $((8/(5-1))*12) = 24$
14. $((5-1)+(12+8)) = 24$
15. $((12*8)/(5-1)) = 24$
16. $(12-((1-8)-5)) = 24$
17. $((5-(1-8))+12) = 24$

18. $(5-((1-8)-12)) = 24$
19. $((12-(1-8))+5) = 24$
20. $((5+12)-(1-8)) = 24$
21. $((8-1)+5)+12 = 24$
22. $((8-1)-5)*12 = 24$
23. $((8-1)+12)+5 = 24$
24. $((8-1)+(5+12)) = 24$
25. $(8-((1-12)-5)) = 24$
26. $((5-(1-12))+8) = 24$
27. $(5-((1-12)-8)) = 24$
28. $((8-(1-12))+5) = 24$
29. $((5+8)-(1-12)) = 24$
30. $((12-1)+5)+8 = 24$
31. $((12-1)+8)+5 = 24$
32. $((12-1)+(5+8)) = 24$
33. $(12-(1-(5+8))) = 24$
34. $((5+8)-1)+12 = 24$
35. $((5+8)+12)-1 = 24$
36. $((8-5)-1)*12 = 24$
37. $(8-(1-(5+12))) = 24$
38. $((5+12)-1)+8 = 24$
39. $((5+12)+8)-1 = 24$
40. $((8+12)-(1-5)) = 24$
41. $((5-1)+(8+12)) = 24$
42. $(5-(1-(8+12))) = 24$
43. $((8+12)-1)+5 = 24$
44. $((5+(8+12))-1) = 24$
45. $((8*12)/(5-1)) = 24$

320. [1, 5, 8, 13]

1. $((5*(13-8))-1) = 24$

321. [1, 5, 9, 9]

1. $((1+5)+9)+9 = 24$
2. $((1+5)+(9+9)) = 24$
3. $((1+9)+5)+9 = 24$
4. $((1+9)+9)+5 = 24$
5. $((1+9)+(5+9)) = 24$
6. $((1+(5+9))+9) = 24$
7. $(1+((5+9)+9)) = 24$
8. $((1+(9+9))+5) = 24$
9. $(1+(5+(9+9))) = 24$

322. [1, 5, 9, 10]

1. $((1*5)+10)+9 = 24$
2. $((1*5)+9)+10 = 24$
3. $((1*5)+(10+9)) = 24$
4. $((5/1)+10)+9 = 24$
5. $((5/1)+9)+10 = 24$

6. $((5/1)+(10+9)) = 24$
7. $((1*9)+5)+10 = 24$
8. $((1*9)+10)+5 = 24$
9. $((1*9)+(5+10)) = 24$
10. $((9/1)+5)+10 = 24$
11. $((9/1)+10)+5 = 24$
12. $((9/1)+(5+10)) = 24$
13. $((1*10)+5)+9 = 24$
14. $((1*10)+9)+5 = 24$
15. $((1*10)+(5+9)) = 24$
16. $((10/1)+5)+9 = 24$
17. $((10/1)+9)+5 = 24$
18. $((10/1)+(5+9)) = 24$
19. $((1*(5+9))+10) = 24$
20. $((5+9)/1)+10 = 24$
21. $(1*((5+9)+10)) = 24$
22. $((5+9)+10)/1 = 24$
23. $((1*(5+10))+9) = 24$
24. $((5+10)/1)+9 = 24$
25. $(1*((5+10)+9)) = 24$
26. $((5+10)+9)/1 = 24$
27. $((1*5)+(9+10)) = 24$
28. $((5/1)+(9+10)) = 24$
29. $((1*(9+10))+5) = 24$
30. $((9+10)/1)+5 = 24$
31. $(1*(5+(9+10))) = 24$
32. $((5+(9+10))/1) = 24$

323. [1, 5, 9, 11]

1. $(9-((1-5)-11)) = 24$
2. $((11-(1-5))+9) = 24$
3. $(11-((1-5)-9)) = 24$
4. $((9-(1-5))+11) = 24$
5. $((11+9)-(1-5)) = 24$
6. $((5-1)+11)+9 = 24$
7. $((5-1)+9)+11 = 24$
8. $((5-1)+(11+9)) = 24$
9. $(11-((1-9)-5)) = 24$
10. $((5-(1-9))+11) = 24$
11. $(5-((1-9)-11)) = 24$
12. $((11-(1-9))+5) = 24$
13. $((5+11)-(1-9)) = 24$
14. $((9-1)+5)+11 = 24$
15. $((9-1)+11)+5 = 24$
16. $((9-1)+(5+11)) = 24$
17. $(9-((1-11)-5)) = 24$
18. $((5-(1-11))+9) = 24$
19. $(5-((1-11)-9)) = 24$
20. $((9-(1-11))+5) = 24$

21. $((5+9)-(1-11)) = 24$
22. $((11-1)+5)+9 = 24$
23. $((11-1)+9)+5 = 24$
24. $((11-1)+(5+9)) = 24$
25. $(11-(1-(5+9))) = 24$
26. $((5+9)-1)+11 = 24$
27. $((5+9)+11)-1 = 24$
28. $(9-(1-(5+11))) = 24$
29. $((5+11)-1)+9 = 24$
30. $((5+11)+9)-1 = 24$
31. $((9+11)-(1-5)) = 24$
32. $((5-1)+(9+11)) = 24$
33. $(5-(1-(9+11))) = 24$
34. $((9+11)-1)+5 = 24$
35. $((5+(9+11))-1) = 24$

324. [1, 5, 9, 12]

1. $((5-1)*9)-12 = 24$
2. $((1+9)/5)*12 = 24$
3. $(12/(5/(1+9))) = 24$
4. $((1+9)*12)/5 = 24$
5. $((1+9)/(5/12)) = 24$
6. $((1+9)*(12/5)) = 24$

325. [1, 5, 9, 13]

1. $((1+5)*(13-9)) = 24$

326. [1, 5, 10, 10]

1. $(10-((1-5)-10)) = 24$
2. $((10-(1-5))+10) = 24$
3. $((10+10)-(1-5)) = 24$
4. $((5-1)+10)+10 = 24$
5. $((5-1)+(10+10)) = 24$
6. $(10-((1-10)-5)) = 24$
7. $((5-(1-10))+10) = 24$
8. $(5-((1-10)-10)) = 24$
9. $((10-(1-10))+5) = 24$
10. $((5+10)-(1-10)) = 24$
11. $((10-1)+5)+10 = 24$
12. $((10-1)+10)+5 = 24$
13. $((10-1)+(5+10)) = 24$
14. $(10-(1-(5+10))) = 24$
15. $((5+10)-1)+10 = 24$
16. $((5+10)+10)-1 = 24$
17. $(5-(1-(10+10))) = 24$
18. $((10+10)-1)+5 = 24$
19. $((5+(10+10))-1) = 24$

327. [1, 5, 10, 11]

1. $((1+11)/5)*10 = 24$
2. $(10/(5/(1+11))) = 24$
3. $((1+11)*10)/5 = 24$
4. $((1+11)/(5/10)) = 24$
5. $((1+11)*(10/5)) = 24$

328. [1, 5, 10, 12]

1. $(10/((1*5)/12)) = 24$
2. $((12/(1*5))*10) = 24$
3. $(12/((1*5)/10)) = 24$
4. $((10/(1*5))*12) = 24$
5. $((12*10)/(1*5)) = 24$
6. $((1/5)*12)*10 = 24$
7. $((1/5)*10)*12 = 24$
8. $((1/5)*(12*10)) = 24$
9. $(10/((5/1)/12)) = 24$
10. $((12/(5/1))*10) = 24$
11. $(12/((5/1)/10)) = 24$
12. $((10/(5/1))*12) = 24$
13. $((12*10)/(5/1)) = 24$
14. $((1*10)/5)*12 = 24$
15. $(12/(5/(1*10))) = 24$
16. $((1*10)*12)/5 = 24$
17. $((1*10)/(5/12)) = 24$
18. $((1*10)*(12/5)) = 24$
19. $(12/((1/10)*5)) = 24$
20. $((12/(1/10))/5) = 24$
21. $((12/5)/(1/10)) = 24$
22. $((10/1/5)*12) = 24$
23. $(12/(5/(10/1))) = 24$
24. $((10/1)*12)/5 = 24$
25. $((10/1)/(5/12)) = 24$
26. $((10/1)*(12/5)) = 24$
27. $((1*12)/5)*10 = 24$
28. $(10/(5/(1*12))) = 24$
29. $((1*12)*10)/5 = 24$
30. $((1*12)/(5/10)) = 24$
31. $((1*12)*(10/5)) = 24$
32. $(10/((1/12)*5)) = 24$
33. $((10/(1/12))/5) = 24$
34. $((10/5)/(1/12)) = 24$
35. $((12/1/5)*10) = 24$
36. $(10/(5/(12/1))) = 24$
37. $((12/1)*10)/5 = 24$
38. $((12/1)/(5/10)) = 24$
39. $((12/1)*(10/5)) = 24$
40. $(12/(1-(5/10))) = 24$
41. $(12/(1*(5/10))) = 24$
42. $((1/(5/10))*12) = 24$

43. $(12/((5/10)/1)) = 24$
44. $(1/((5/10)/12)) = 24$
45. $(1*(12/(5/10))) = 24$
46. $((12/(5/10))/1) = 24$
47. $((1*(10/5))*12) = 24$
48. $(12/(1/(10/5))) = 24$
49. $((10/5)/1)*12 = 24$
50. $(1*((10/5)*12)) = 24$
51. $((10/5)*12)/1 = 24$
52. $(10/(1*(5/12))) = 24$
53. $((1/(5/12))*10) = 24$
54. $(10/((5/12)/1)) = 24$
55. $(1/((5/12)/10)) = 24$
56. $(1*(10/(5/12))) = 24$
57. $((10/(5/12))/1) = 24$
58. $((1*(12/5))*10) = 24$
59. $(10/(1/(12/5))) = 24$
60. $((12/5)/1)*10 = 24$
61. $(1*((12/5)*10)) = 24$
62. $((12/5)*10)/1 = 24$
63. $((10*12)/(1*5)) = 24$
64. $((1/5)*(10*12)) = 24$
65. $((10*12)/(5/1)) = 24$
66. $((1*(10*12))/5) = 24$
67. $((10*12)/1)/5 = 24$
68. $(1/(5/(10*12))) = 24$
69. $(1*((10*12)/5)) = 24$
70. $((10*12)/5)/1 = 24$

329. [1, 5, 10, 13]

1. $((13-1)/5)*10 = 24$
2. $(10/(5/(13-1))) = 24$
3. $((13-1)*10)/5 = 24$
4. $((13-1)/(5/10)) = 24$
5. $((13-1)*(10/5)) = 24$

330. [1, 5, 11, 11]

1. $((11*11)-1)/5 = 24$

331. [1, 5, 11, 12]

1. $((11-1)/5)*12 = 24$
2. $(12/(5/(11-1))) = 24$
3. $((11-1)*12)/5 = 24$
4. $((11-1)/(5/12)) = 24$
5. $((11-1)*(12/5)) = 24$

332. [1, 5, 11, 13]

无解

333. [1, 5, 12, 12]

1. $(12/((1+5)/12)) = 24$
2. $((12/(1+5))*12) = 24$
3. $((12*12)/(1+5)) = 24$

334. [1, 5, 12, 13]

无解

335. [1, 5, 13, 13]

无解

336. [1, 6, 6, 6]

1. $((6-1)*6)-6 = 24$

337. [1, 6, 6, 7]

无解

338. [1, 6, 6, 8]

1. $(6/(1-(6/8))) = 24$

339. [1, 6, 6, 9]

1. $((1-6)+9)*6 = 24$
2. $((9-(6-1))*6) = 24$
3. $((1+9)-6)*6 = 24$
4. $((1-(6-9))*6) = 24$
5. $((1+(9-6))*6) = 24$

340. [1, 6, 6, 10]

1. $((10-(1*6))*6) = 24$
2. $((1*6)*(10-6)) = 24$
3. $((10-6)/(1/6)) = 24$
4. $((10-(6/1))*6) = 24$
5. $((6/1)*(10-6)) = 24$
6. $((1*10)-6)*6 = 24$
7. $((10/1)-6)*6 = 24$
8. $((1*(10-6))*6) = 24$
9. $(6/(1/(10-6))) = 24$
10. $((10-6)/1)*6 = 24$
11. $(1*((10-6)*6)) = 24$
12. $((10-6)*6)/1 = 24$
13. $(1*(6*(10-6))) = 24$
14. $((6*(10-6))/1) = 24$

341. [1, 6, 6, 11]

1. $((1+6)+11)+6 = 24$
2. $((11-(1+6))*6) = 24$
3. $((1+6)+6)+11 = 24$
4. $((1+6)+(11+6)) = 24$
5. $((1+6)+(6+11)) = 24$

6. $((1+11)+6)+6 = 24$

7. $((1+11)+(6+6)) = 24$
8. $((6*6)-(1+11)) = 24$
9. $((11-1)-6)*6 = 24$
10. $((1+(6+6))+11) = 24$
11. $(1+((6+6)+11)) = 24$
12. $((6*6)-1)-11 = 24$
13. $((6*6)-11)-1 = 24$
14. $((1+(6+11))+6) = 24$
15. $(1+((6+11)+6)) = 24$
16. $((11-6)-1)*6 = 24$
17. $(1+(6+(6+11))) = 24$

342. [1, 6, 6, 12]

1. $((1*6)+12)+6 = 24$
2. $((1*6)+6)+12 = 24$
3. $((1*6)*6)-12 = 24$
4. $((1*6)+(12+6)) = 24$
5. $((6/(1/6))-12) = 24$
6. $((6/1)+12)+6 = 24$
7. $((6/1)+6)+12 = 24$
8. $((6/1)*6)-12 = 24$
9. $((6/1)+(12+6)) = 24$
10. $((1*6)+(6+12)) = 24$
11. $((6/1)+(6+12)) = 24$
12. $((1*12)+6)+6 = 24$
13. $((1*12)+(6+6)) = 24$
14. $((6*6)-(1*12)) = 24$
15. $((12/1)+6)+6 = 24$
16. $((12/1)+(6+6)) = 24$
17. $((6*6)-(12/1)) = 24$
18. $((1*(6+6))+12) = 24$
19. $((6+6)/1)+12 = 24$
20. $(1*((6+6)+12)) = 24$
21. $((6+6)+12)/1 = 24$
22. $((1*(6*6))-12) = 24$
23. $((6*6)/1)-12 = 24$
24. $(1*((6*6)-12)) = 24$
25. $((6*6)-12)/1 = 24$
26. $((1+(6/6))*12) = 24$
27. $((1*(6+12))+6) = 24$
28. $((6+12)/1)+6 = 24$
29. $(1*((6+12)+6)) = 24$
30. $((6+12)+6)/1 = 24$
31. $(1*(6+(6+12))) = 24$
32. $((6+(6+12))/1) = 24$

343. [1, 6, 6, 13]

1. $(6-((1-6)-13)) = 24$

$$\begin{aligned}
&2. ((13-(1-6))+6) = 24 \\
&3. (13-((1-6)-6)) = 24 \\
&4. ((6-(1-6))+13) = 24 \\
&5. ((13+6)-(1-6)) = 24 \\
&6. (((6-1)+13)+6) = 24 \\
&7. (((6-1)+6)+13) = 24 \\
&8. ((6-1)+(13+6)) = 24 \\
&9. ((6+13)-(1-6)) = 24 \\
&10. ((6-1)+(6+13)) = 24 \\
&11. (6-((1-13)-6)) = 24 \\
&12. ((6-(1-13))+6) = 24 \\
&13. ((6+6)-(1-13)) = 24 \\
&14. ((1-13)+(6*6)) = 24 \\
&15. (((13-1)+6)+6) = 24 \\
&16. ((13-1)+(6+6)) = 24 \\
&17. ((6*6)-(13-1)) = 24 \\
&18. (13-(1-(6+6))) = 24 \\
&19. (((6+6)-1)+13) = 24 \\
&20. (((6+6)+13)-1) = 24 \\
&21. ((1+(6*6))-13) = 24 \\
&22. (1+((6*6)-13)) = 24 \\
&23. (1-(13-(6*6))) = 24 \\
&24. (6-(1-(6+13))) = 24 \\
&25. (((6+13)-1)+6) = 24 \\
&26. (((6+13)+6)-1) = 24 \\
&27. ((6+(6+13))-1) = 24
\end{aligned}$$

344. [1, 6, 7, 7]

无解

345. [1, 6, 7, 8]

无解

346. [1, 6, 7, 9]

$$1. ((1+7)*(9-6)) = 24$$

347. [1, 6, 7, 10]

$$\begin{aligned}
&1. (((1+6)+10)+7) = 24 \\
&2. (((1+6)+7)+10) = 24 \\
&3. ((1+6)+(10+7)) = 24 \\
&4. (((1+7)+6)+10) = 24 \\
&5. (((1+7)+10)+6) = 24 \\
&6. ((1+7)+(6+10)) = 24 \\
&7. (((1-7)+10)*6) = 24 \\
&8. ((1-7)*(6-10)) = 24 \\
&9. ((10-(7-1))*6) = 24 \\
&10. ((7-1)*(10-6)) = 24 \\
&11. (((1+10)+6)+7) = 24 \\
&12. (((1+10)+7)+6) = 24
\end{aligned}$$

$$\begin{aligned}
&13. (((1+10)-7)*6) = 24 \\
&14. ((1+10)+(6+7)) = 24 \\
&15. ((1+(6+7))+10) = 24 \\
&16. (1+((6+7)+10)) = 24 \\
&17. ((1+(6+10))+7) = 24 \\
&18. (1+((6+10)+7)) = 24 \\
&19. ((1+6)+(7+10)) = 24 \\
&20. ((1+(7+10))+6) = 24 \\
&21. (1+(6+(7+10))) = 24 \\
&22. ((1-(7-10))*6) = 24 \\
&23. ((1+(10-7))*6) = 24
\end{aligned}$$

348. [1, 6, 7, 11]

$$\begin{aligned}
&1. (((6-1)*7)-11) = 24 \\
&2. (((1*6)+11)+7) = 24 \\
&3. (((1*6)+7)+11) = 24 \\
&4. ((1*6)+(11+7)) = 24 \\
&5. ((1*6)*(11-7)) = 24 \\
&6. ((11-7)/(1/6)) = 24 \\
&7. (((6/1)+11)+7) = 24 \\
&8. (((6/1)+7)+11) = 24 \\
&9. ((6/1)+(11+7)) = 24 \\
&10. ((6/1)*(11-7)) = 24 \\
&11. (((1*7)+6)+11) = 24 \\
&12. (((1*7)+11)+6) = 24 \\
&13. ((11-(1*7))*6) = 24 \\
&14. ((1*7)+(6+11)) = 24 \\
&15. (((7/1)+6)+11) = 24 \\
&16. (((7/1)+11)+6) = 24 \\
&17. ((11-(7/1))*6) = 24 \\
&18. ((7/1)+(6+11)) = 24 \\
&19. (((1*11)+6)+7) = 24 \\
&20. (((1*11)+7)+6) = 24 \\
&21. (((1*11)-7)*6) = 24 \\
&22. ((1*11)+(6+7)) = 24 \\
&23. (((11/1)+6)+7) = 24 \\
&24. (((11/1)+7)+6) = 24 \\
&25. (((11/1)-7)*6) = 24 \\
&26. ((11/1)+(6+7)) = 24 \\
&27. ((1*(6+7))+11) = 24 \\
&28. (((6+7)/1)+11) = 24 \\
&29. (1*((6+7)+11)) = 24 \\
&30. (((6+7)+11)/1) = 24 \\
&31. ((1*(6+11))+7) = 24 \\
&32. (((6+11)/1)+7) = 24 \\
&33. (1*((6+11)+7)) = 24 \\
&34. (((6+11)+7)/1) = 24 \\
&35. ((1*6)+(7+11)) = 24 \\
&36. ((6/1)+(7+11)) = 24
\end{aligned}$$

$$\begin{aligned}
&37. ((1*(7+11))+6) = 24 \\
&38. (((7+11)/1)+6) = 24 \\
&39. (1*(6+(7+11))) = 24 \\
&40. ((6+(7+11))/1) = 24 \\
&41. ((1*(11-7))*6) = 24 \\
&42. (6/(1/(11-7))) = 24 \\
&43. (((11-7)/1)*6) = 24 \\
&44. (1*(6*(11-7))) = 24 \\
&45. ((6*(11-7))/1) = 24
\end{aligned}$$

349. [1, 6, 7, 12]

$$\begin{aligned}
&1. (7-((1-6)-12)) = 24 \\
&2. ((12-(1-6))+7) = 24 \\
&3. (((1-6)+7)*12) = 24 \\
&4. (12-((1-6)-7)) = 24 \\
&5. ((7-(1-6))+12) = 24 \\
&6. ((12+7)-(1-6)) = 24 \\
&7. (((6-1)+12)+7) = 24 \\
&8. (((6-1)+7)+12) = 24 \\
&9. ((7-(6-1))*12) = 24 \\
&10. ((6-1)+(12+7)) = 24 \\
&11. (((1+7)-6)*12) = 24 \\
&12. ((12-(1+7))*6) = 24 \\
&13. (12-((1-7)-6)) = 24 \\
&14. ((6-(1-7))+12) = 24 \\
&15. (6-((1-7)-12)) = 24 \\
&16. ((12-(1-7))+6) = 24 \\
&17. ((6+12)-(1-7)) = 24 \\
&18. (((7-1)+6)+12) = 24 \\
&19. (((7-1)*6)-12) = 24 \\
&20. (((7-1)+12)+6) = 24 \\
&21. ((7-1)+(6+12)) = 24 \\
&22. (7-((1-12)-6)) = 24 \\
&23. ((6-(1-12))+7) = 24 \\
&24. (6-((1-12)-7)) = 24 \\
&25. ((7-(1-12))+6) = 24 \\
&26. ((6+7)-(1-12)) = 24 \\
&27. (((12-1)+6)+7) = 24 \\
&28. (((12-1)+7)+6) = 24 \\
&29. (((12-1)-7)*6) = 24 \\
&30. ((12-1)+(6+7)) = 24 \\
&31. (12-(1-(6+7))) = 24 \\
&32. (((6+7)-1)+12) = 24 \\
&33. (((6+7)+12)-1) = 24 \\
&34. ((1-(6-7))*12) = 24 \\
&35. ((1+(7-6))*12) = 24 \\
&36. (7-(1-(6+12))) = 24 \\
&37. (((6+12)-1)+7) = 24 \\
&38. (((6+12)+7)-1) = 24
\end{aligned}$$

$$\begin{aligned}
&39. ((7+12)-(1-6)) = 24 \\
&40. ((6-1)+(7+12)) = 24 \\
&41. (6-(1-(7+12))) = 24 \\
&42. (((7+12)-1)+6) = 24 \\
&43. ((6+(7+12))-1) = 24 \\
&44. (((12-7)-1)*6) = 24
\end{aligned}$$

350. [1, 6, 7, 13]

无解

351. [1, 6, 8, 8]

$$\begin{aligned}
&1. (((1-6)+8)*8) = 24 \\
&2. ((8-(6-1))*8) = 24 \\
&3. (((1+8)-6)*8) = 24 \\
&4. ((1-(6-8))*8) = 24 \\
&5. ((1+(8-6))*8) = 24 \\
&6. (8/((8/6)-1)) = 24
\end{aligned}$$

352. [1, 6, 8, 9]

$$\begin{aligned}
&1. (((1+6)+9)+8) = 24 \\
&2. (((1+6)+8)+9) = 24 \\
&3. ((1+6)+(9+8)) = 24 \\
&4. ((9-(1*6))*8) = 24 \\
&5. ((9-(6/1))*8) = 24 \\
&6. (((1+8)+6)+9) = 24 \\
&7. (((1+8)+9)+6) = 24 \\
&8. ((1+8)+(6+9)) = 24 \\
&9. ((1*8)*(9-6)) = 24 \\
&10. ((9-6)/(1/8)) = 24 \\
&11. ((8/1)*(9-6)) = 24 \\
&12. (((1+9)+6)+8) = 24 \\
&13. (((1+9)+8)+6) = 24 \\
&14. ((1+9)+(6+8)) = 24 \\
&15. (((1*9)-6)*8) = 24 \\
&16. (((9/1)-6)*8) = 24 \\
&17. ((1+(6+8))+9) = 24 \\
&18. (1+((6+8)+9)) = 24 \\
&19. ((1+(6+9))+8) = 24 \\
&20. (1+((6+9)+8)) = 24 \\
&21. ((1*(9-6))*8) = 24 \\
&22. (8/(1/(9-6))) = 24 \\
&23. (((9-6)/1)*8) = 24 \\
&24. (1*((9-6)*8)) = 24 \\
&25. (((9-6)*8)/1) = 24 \\
&26. (8/(1-(6/9))) = 24 \\
&27. ((1+6)+(8+9)) = 24 \\
&28. ((1+(8+9))+6) = 24 \\
&29. (1+(6+(8+9))) = 24
\end{aligned}$$

353. [1, 6, 8, 10]

1. $((10-(1+6))*8) = 24$
2. $((1*6)+10)+8 = 24$
3. $((1*6)+8)+10 = 24$
4. $((1*6)+(10+8)) = 24$
5. $((6/1)+10)+8 = 24$
6. $((6/1)+8)+10 = 24$
7. $((6/1)+(10+8)) = 24$
8. $((1*8)+6)+10 = 24$
9. $((1*8)+10)+6 = 24$
10. $((1*8)+(6+10)) = 24$
11. $((8/1)+6)+10 = 24$
12. $((8/1)+10)+6 = 24$
13. $((8/1)+(6+10)) = 24$
14. $((10-1)-6)*8 = 24$
15. $((1*10)+6)+8 = 24$
16. $((1*10)+8)+6 = 24$
17. $((1*10)+(6+8)) = 24$
18. $((10/1)+6)+8 = 24$
19. $((10/1)+8)+6 = 24$
20. $((10/1)+(6+8)) = 24$
21. $((1*(6+8))+10) = 24$
22. $((6+8)/1)+10 = 24$
23. $(1*((6+8)+10)) = 24$
24. $((6+8)+10)/1 = 24$
25. $((1*(6+10))+8) = 24$
26. $((6+10)/1)+8 = 24$
27. $(1*((6+10)+8)) = 24$
28. $((6+10)+8)/1 = 24$
29. $((10-6)-1)*8 = 24$
30. $((1*6)+(8+10)) = 24$
31. $((6/1)+(8+10)) = 24$
32. $((1*(8+10))+6) = 24$
33. $((8+10)/1)+6 = 24$
34. $(1*(6+(8+10))) = 24$
35. $((6+(8+10))/1) = 24$
36. $(6/((10/8)-1)) = 24$

354. [1, 6, 8, 11]

1. $(8-((1-6)-11)) = 24$
2. $((11-(1-6))+8) = 24$
3. $(11-((1-6)-8)) = 24$
4. $((8-(1-6))+11) = 24$
5. $((11+8)-(1-6)) = 24$
6. $((6-1)+11)+8 = 24$
7. $((6-1)+8)+11 = 24$
8. $((6-1)+(11+8)) = 24$
9. $(11-((1-8)-6)) = 24$
10. $((6-(1-8))+11) = 24$

11. $((1-8)+11)*6 = 24$
12. $(6-((1-8)-11)) = 24$
13. $((11-(1-8))+6) = 24$
14. $((6+11)-(1-8)) = 24$
15. $((8-1)+6)+11 = 24$
16. $((8-1)+11)+6 = 24$
17. $((11-(8-1))*6) = 24$
18. $((8-1)+(6+11)) = 24$
19. $((1+11)-8)*6 = 24$
20. $((1+11)*(8-6)) = 24$
21. $(8-((1-11)-6)) = 24$
22. $((6-(1-11))+8) = 24$
23. $(6-((1-11)-8)) = 24$
24. $((8-(1-11))+6) = 24$
25. $((6+8)-(1-11)) = 24$
26. $((11-1)+6)+8 = 24$
27. $((11-1)+8)+6 = 24$
28. $((11-1)+(6+8)) = 24$
29. $(11-(1-(6+8))) = 24$
30. $((6+8)-1)+11 = 24$
31. $((6+8)+11)-1 = 24$
32. $(8-(1-(6+11))) = 24$
33. $((6+11)-1)+8 = 24$
34. $((6+11)+8)-1 = 24$
35. $((8+11)-(1-6)) = 24$
36. $((6-1)+(8+11)) = 24$
37. $(6-(1-(8+11))) = 24$
38. $((8+11)-1)+6 = 24$
39. $((6+(8+11))-1) = 24$
40. $((1-(8-11))*6) = 24$
41. $((1+(11-8))*6) = 24$

355. [1, 6, 8, 12]

1. $((8-(1*6))*12) = 24$
2. $((1*6)*(12-8)) = 24$
3. $((12-8)/(1/6)) = 24$
4. $((8-(6/1))*12) = 24$
5. $((6/1)*(12-8)) = 24$
6. $((1*8)-6)*12 = 24$
7. $((12-(1*8))*6) = 24$
8. $((8/1)-6)*12 = 24$
9. $((12-(8/1))*6) = 24$
10. $((1*12)-8)*6 = 24$
11. $((1*12)*(8-6)) = 24$
12. $((8-6)/(1/12)) = 24$
13. $((12/1)-8)*6 = 24$
14. $((12/1)*(8-6)) = 24$
15. $((1*(8-6))*12) = 24$
16. $(12/(1/(8-6))) = 24$

17. $((8-6)/1)*12 = 24$
18. $(1*((8-6)*12)) = 24$
19. $((8-6)*12)/1 = 24$
20. $((1+(12/6))*8) = 24$
21. $((1*(12-8))*6) = 24$
22. $(6/(1/(12-8))) = 24$
23. $((12-8)/1)*6 = 24$
24. $(1*(6*(12-8))) = 24$
25. $((6*(12-8))/1) = 24$

356. [1, 6, 8, 13]

1. $((13-(1+8))*6) = 24$
2. $((1-13)*(6-8)) = 24$
3. $((13-1)-8)*6 = 24$
4. $((13-1)*(8-6)) = 24$
5. $((13-8)-1)*6 = 24$

357. [1, 6, 9, 9]

1. $((1*6)+9)+9 = 24$
2. $((1*6)+(9+9)) = 24$
3. $((6/1)+9)+9 = 24$
4. $((6/1)+(9+9)) = 24$
5. $((1-9)*(6-9)) = 24$
6. $((9-1)*(9-6)) = 24$
7. $((1*9)+6)+9 = 24$
8. $((1*9)+9)+6 = 24$
9. $((1*9)+(6+9)) = 24$
10. $((9/1)+6)+9 = 24$
11. $((9/1)+9)+6 = 24$
12. $((9/1)+(6+9)) = 24$
13. $((1*(6+9))+9) = 24$
14. $((6+9)/1)+9 = 24$
15. $(1*((6+9)+9)) = 24$
16. $((6+9)+9)/1 = 24$
17. $((1*(9+9))+6) = 24$
18. $((9+9)/1)+6 = 24$
19. $(1*(6+(9+9))) = 24$
20. $((6+(9+9))/1) = 24$

358. [1, 6, 9, 10]

1. $(9-((1-6)-10)) = 24$
2. $((10-(1-6))+9) = 24$
3. $(10-((1-6)-9)) = 24$
4. $((9-(1-6))+10) = 24$
5. $((10+9)-(1-6)) = 24$
6. $((6-1)+10)+9 = 24$
7. $((6-1)+9)+10 = 24$
8. $((6-1)+(10+9)) = 24$
9. $(10-((1-9)-6)) = 24$

10. $((6-(1-9))+10) = 24$
11. $(6-((1-9)-10)) = 24$
12. $((10-(1-9))+6) = 24$
13. $((6+10)-(1-9)) = 24$
14. $((9-1)+6)+10 = 24$
15. $((9-1)+10)+6 = 24$
16. $((9-1)+(6+10)) = 24$
17. $(9-((1-10)-6)) = 24$
18. $((6-(1-10))+9) = 24$
19. $(6-((1-10)-9)) = 24$
20. $((9-(1-10))+6) = 24$
21. $((6+9)-(1-10)) = 24$
22. $((10-1)+6)+9 = 24$
23. $((10-1)+9)+6 = 24$
24. $((10-1)+(6+9)) = 24$
25. $(10-(1-(6+9))) = 24$
26. $((6+9)-1)+10 = 24$
27. $((6+9)+10)-1 = 24$
28. $(9-(1-(6+10))) = 24$
29. $((6+10)-1)+9 = 24$
30. $((6+10)+9)-1 = 24$
31. $((1+(10/6))*9) = 24$
32. $((9+10)-(1-6)) = 24$
33. $((6-1)+(9+10)) = 24$
34. $(6-(1-(9+10))) = 24$
35. $((9+10)-1)+6 = 24$
36. $((6+(9+10))-1) = 24$

359. [1, 6, 9, 11]

无解

360. [1, 6, 9, 12]

1. $((9-(1+6))*12) = 24$
2. $((1-9)+12)*6 = 24$
3. $((9-1)-6)*12 = 24$
4. $((12-(9-1))*6) = 24$
5. $((1+12)-9)*6 = 24$
6. $((9-6)-1)*12 = 24$
7. $(12/((9/6)-1)) = 24$
8. $((1-(9-12))*6) = 24$
9. $((1+(12-9))*6) = 24$
10. $(6/(1-(9/12))) = 24$

361. [1, 6, 9, 13]

1. $((1*6)*(13-9)) = 24$
2. $((13-9)/(1/6)) = 24$
3. $((6/1)*(13-9)) = 24$
4. $((13-(1*9))*6) = 24$
5. $((13-(9/1))*6) = 24$

$$\begin{aligned}
6. & (((1*13)-9)*6) = 24 \\
7. & (((13/1)-9)*6) = 24 \\
8. & ((1*(13-9))*6) = 24 \\
9. & (6/(1/(13-9))) = 24 \\
10. & (((13-9)/1)*6) = 24 \\
11. & (1*(6*(13-9))) = 24 \\
12. & ((6*(13-9))/1) = 24
\end{aligned}$$

$$362. [1, 6, 10, 10]$$

无解

$$363. [1, 6, 10, 11]$$

无解

$$364. [1, 6, 10, 12]$$

$$\begin{aligned}
1. & (10/((6-1)/12)) = 24 \\
2. & ((12/(6-1))*10) = 24 \\
3. & (12/((6-1)/10)) = 24 \\
4. & ((10/(6-1))*12) = 24 \\
5. & ((12*10)/(6-1)) = 24 \\
6. & ((10*12)/(6-1)) = 24
\end{aligned}$$

$$365. [1, 6, 10, 13]$$

$$\begin{aligned}
1. & (((1-10)+13)*6) = 24 \\
2. & ((13-(10-1))*6) = 24 \\
3. & (((1+13)-10)*6) = 24 \\
4. & ((1-(10-13))*6) = 24 \\
5. & ((1+(13-10))*6) = 24
\end{aligned}$$

$$366. [1, 6, 11, 11]$$

无解

$$367. [1, 6, 11, 12]$$

$$\begin{aligned}
1. & (((1+11)/6)*12) = 24 \\
2. & (12/(6/(1+11))) = 24 \\
3. & (((1+11)*12)/6) = 24 \\
4. & ((1+11)/(6/12)) = 24 \\
5. & ((1+11)*(12/6)) = 24
\end{aligned}$$

$$368. [1, 6, 11, 13]$$

$$1. ((1+(11*13))/6) = 24$$

$$369. [1, 6, 12, 12]$$

$$\begin{aligned}
1. & (12/((1*6)/12)) = 24 \\
2. & ((12/(1*6))*12) = 24 \\
3. & ((12*12)/(1*6)) = 24 \\
4. & (((1/6)*12)*12) = 24 \\
5. & ((1/6)*(12*12)) = 24 \\
6. & (12/((6/1)/12)) = 24
\end{aligned}$$

$$\begin{aligned}
7. & ((12/(6/1))*12) = 24 \\
8. & ((12*12)/(6/1)) = 24 \\
9. & (((1*12)/6)*12) = 24 \\
10. & (12/(6/(1*12))) = 24 \\
11. & (((1*12)*12)/6) = 24 \\
12. & ((1*12)/(6/12)) = 24 \\
13. & ((1*12)*(12/6)) = 24 \\
14. & (12/((1/12)*6)) = 24 \\
15. & ((12/(1/12))/6) = 24 \\
16. & ((12/6)/(1/12)) = 24 \\
17. & (((12/1)/6)*12) = 24 \\
18. & (12/(6/(12/1))) = 24 \\
19. & (((12/1)*12)/6) = 24 \\
20. & ((12/1)/(6/12)) = 24 \\
21. & ((12/1)*(12/6)) = 24 \\
22. & (12/(1-(6/12))) = 24 \\
23. & (12/(1*(6/12))) = 24 \\
24. & ((1/(6/12))*12) = 24 \\
25. & (12/((6/12)/1)) = 24 \\
26. & (1/((6/12)/12)) = 24 \\
27. & (1*(12/(6/12))) = 24 \\
28. & ((12/(6/12))/1) = 24 \\
29. & ((1*(12/6))*12) = 24 \\
30. & (12/(1/(12/6))) = 24 \\
31. & (((12/6)/1)*12) = 24 \\
32. & (1*((12/6)*12)) = 24 \\
33. & (((12/6)*12)/1) = 24 \\
34. & ((1*(12*12))/6) = 24 \\
35. & (((12*12)/1)/6) = 24 \\
36. & (1/(6/(12*12))) = 24 \\
37. & (1*((12*12)/6)) = 24 \\
38. & (((12*12)/6)/1) = 24
\end{aligned}$$

$$370. [1, 6, 12, 13]$$

$$\begin{aligned}
1. & (((13-1)/6)*12) = 24 \\
2. & (12/(6/(13-1))) = 24 \\
3. & (((13-1)*12)/6) = 24 \\
4. & ((13-1)/(6/12)) = 24 \\
5. & ((13-1)*(12/6)) = 24
\end{aligned}$$

$$371. [1, 6, 13, 13]$$

无解

$$372. [1, 7, 7, 7]$$

无解

$$373. [1, 7, 7, 8]$$

无解

$$374. [1, 7, 7, 9]$$

$$\begin{aligned}
1. & (((1+7)+9)+7) = 24 \\
2. & (((1+7)+7)+9) = 24 \\
3. & ((1+7)+(9+7)) = 24 \\
4. & ((1+7)+(7+9)) = 24 \\
5. & (((1+9)+7)+7) = 24 \\
6. & ((1+9)+(7+7)) = 24 \\
7. & ((1+(7+7))+9) = 24 \\
8. & (1+((7+7)+9)) = 24 \\
9. & ((1+(7+9))+7) = 24 \\
10. & (1+((7+9)+7)) = 24 \\
11. & (1+(7+(7+9))) = 24
\end{aligned}$$

$$375. [1, 7, 7, 10]$$

$$\begin{aligned}
1. & ((1+7)*(10-7)) = 24 \\
2. & (((1*7)+10)+7) = 24 \\
3. & (((1*7)+7)+10) = 24 \\
4. & ((1*7)+(10+7)) = 24 \\
5. & (((7/1)+10)+7) = 24 \\
6. & (((7/1)+7)+10) = 24 \\
7. & ((7/1)+(10+7)) = 24 \\
8. & ((1*7)+(7+10)) = 24 \\
9. & ((7/1)+(7+10)) = 24 \\
10. & (((1*10)+7)+7) = 24 \\
11. & ((1*10)+(7+7)) = 24 \\
12. & (((10/1)+7)+7) = 24 \\
13. & ((10/1)+(7+7)) = 24 \\
14. & ((1*(7+7))+10) = 24 \\
15. & (((7+7)/1)+10) = 24 \\
16. & (1*((7+7)+10)) = 24 \\
17. & (((7+7)+10)/1) = 24 \\
18. & ((1*(7+10))+7) = 24 \\
19. & (((7+10)/1)+7) = 24 \\
20. & (1*((7+10)+7)) = 24 \\
21. & (((7+10)+7)/1) = 24 \\
22. & (1*(7+(7+10))) = 24 \\
23. & ((7+(7+10))/1) = 24
\end{aligned}$$

$$376. [1, 7, 7, 11]$$

$$\begin{aligned}
1. & (7-((1-7)-11)) = 24 \\
2. & ((11-(1-7))+7) = 24 \\
3. & (11-((1-7)-7)) = 24 \\
4. & ((7-(1-7))+11) = 24 \\
5. & ((11+7)-(1-7)) = 24 \\
6. & ((1-7)*(7-11)) = 24 \\
7. & (((7-1)+11)+7) = 24 \\
8. & (((7-1)+7)+11) = 24 \\
9. & ((7-1)+(11+7)) = 24 \\
10. & ((7-1)*(11-7)) = 24
\end{aligned}$$

$$\begin{aligned}
11. & ((7+11)-(1-7)) = 24 \\
12. & ((7-1)+(7+11)) = 24 \\
13. & (7-((1-11)-7)) = 24 \\
14. & ((7-(1-11))+7) = 24 \\
15. & ((7+7)-(1-11)) = 24 \\
16. & (((11-1)+7)+7) = 24 \\
17. & ((11-1)+(7+7)) = 24 \\
18. & (11-(1-(7+7))) = 24 \\
19. & (((7+7)-1)+11) = 24 \\
20. & (((7+7)+11)-1) = 24 \\
21. & (7-(1-(7+11))) = 24 \\
22. & (((7+11)-1)+7) = 24 \\
23. & (((7+11)+7)-1) = 24 \\
24. & ((7+(7+11))-1) = 24
\end{aligned}$$

$$377. [1, 7, 7, 12]$$

$$1. ((1+(7/7))*12) = 24$$

$$378. [1, 7, 7, 13]$$

无解

$$379. [1, 7, 8, 8]$$

$$\begin{aligned}
1. & (((1+7)+8)+8) = 24 \\
2. & ((1+7)+(8+8)) = 24 \\
3. & (((1+8)+7)+8) = 24 \\
4. & (((1+8)+8)+7) = 24 \\
5. & ((1+8)+(7+8)) = 24 \\
6. & ((1+(7+8))+8) = 24 \\
7. & (1+((7+8)+8)) = 24 \\
8. & ((1+(8+8))+7) = 24 \\
9. & (1+(7+(8+8))) = 24
\end{aligned}$$

$$380. [1, 7, 8, 9]$$

$$\begin{aligned}
1. & (((1-7)+9)*8) = 24 \\
2. & ((9-(7-1))*8) = 24 \\
3. & (((1*7)+9)+8) = 24 \\
4. & (((1*7)+8)+9) = 24 \\
5. & ((1*7)+(9+8)) = 24 \\
6. & (((7/1)+9)+8) = 24 \\
7. & (((7/1)+8)+9) = 24 \\
8. & ((7/1)+(9+8)) = 24 \\
9. & (((1*8)+7)+9) = 24 \\
10. & (((1*8)+9)+7) = 24 \\
11. & ((1*8)+(7+9)) = 24 \\
12. & (((8/1)+7)+9) = 24 \\
13. & (((8/1)+9)+7) = 24 \\
14. & ((8/1)+(7+9)) = 24 \\
15. & (((1+9)-7)*8) = 24 \\
16. & (((1*9)+7)+8) = 24
\end{aligned}$$

$$\begin{aligned}
&17. (((1*9)+8)+7) = 24 \\
&18. ((1*9)+(7+8)) = 24 \\
&19. (((9/1)+7)+8) = 24 \\
&20. (((9/1)+8)+7) = 24 \\
&21. ((9/1)+(7+8)) = 24 \\
&22. ((1*(7+8))+9) = 24 \\
&23. (((7+8)/1)+9) = 24 \\
&24. (1*((7+8)+9)) = 24 \\
&25. (((7+8)+9)/1) = 24 \\
&26. ((1*(7+9))+8) = 24 \\
&27. (((7+9)/1)+8) = 24 \\
&28. (1*((7+9)+8)) = 24 \\
&29. (((7+9)+8)/1) = 24 \\
&30. ((1-(7-9))*8) = 24 \\
&31. ((1+(9-7))*8) = 24 \\
&32. ((1*7)+(8+9)) = 24 \\
&33. ((7/1)+(8+9)) = 24 \\
&34. ((1*(8+9))+7) = 24 \\
&35. (((8+9)/1)+7) = 24 \\
&36. (1*(7+(8+9))) = 24 \\
&37. ((7+(8+9))/1) = 24
\end{aligned}$$

381. [1, 7, 8, 10]

$$\begin{aligned}
&1. (8-((1-7)-10)) = 24 \\
&2. ((10-(1-7))+8) = 24 \\
&3. (10-((1-7)-8)) = 24 \\
&4. ((8-(1-7))+10) = 24 \\
&5. ((10+8)-(1-7)) = 24 \\
&6. (((7-1)+10)+8) = 24 \\
&7. (((7-1)+8)+10) = 24 \\
&8. ((7-1)+(10+8)) = 24 \\
&9. ((10-(1*7))*8) = 24 \\
&10. ((10-(7/1))*8) = 24 \\
&11. (10-((1-8)-7)) = 24 \\
&12. ((7-(1-8))+10) = 24 \\
&13. (7-((1-8)-10)) = 24 \\
&14. ((10-(1-8))+7) = 24 \\
&15. ((7+10)-(1-8)) = 24 \\
&16. (((8-1)+7)+10) = 24 \\
&17. (((8-1)+10)+7) = 24 \\
&18. ((8-1)+(7+10)) = 24 \\
&19. ((1*8)*(10-7)) = 24 \\
&20. ((10-7)/(1/8)) = 24 \\
&21. ((8/1)*(10-7)) = 24 \\
&22. (8-((1-10)-7)) = 24 \\
&23. ((7-(1-10))+8) = 24 \\
&24. (7-((1-10)-8)) = 24 \\
&25. ((8-(1-10))+7) = 24 \\
&26. ((7+8)-(1-10)) = 24
\end{aligned}$$

$$\begin{aligned}
&27. (((10-1)+7)+8) = 24 \\
&28. (((10-1)+8)+7) = 24 \\
&29. ((10-1)+(7+8)) = 24 \\
&30. (((1*10)-7)*8) = 24 \\
&31. (((10/1)-7)*8) = 24 \\
&32. (10-(1-(7+8))) = 24 \\
&33. (((7+8)-1)+10) = 24 \\
&34. (((7+8)+10)-1) = 24 \\
&35. (8-(1-(7+10))) = 24 \\
&36. (((7+10)-1)+8) = 24 \\
&37. (((7+10)+8)-1) = 24 \\
&38. ((1*(10-7))*8) = 24 \\
&39. (8/(1/(10-7))) = 24 \\
&40. (((10-7)/1)*8) = 24 \\
&41. (1*((10-7)*8)) = 24 \\
&42. (((10-7)*8)/1) = 24 \\
&43. ((8+10)-(1-7)) = 24 \\
&44. ((7-1)+(8+10)) = 24 \\
&45. (7-(1-(8+10))) = 24 \\
&46. (((8+10)-1)+7) = 24 \\
&47. ((7+(8+10))-1) = 24
\end{aligned}$$

382. [1, 7, 8, 11]

$$\begin{aligned}
&1. (((11-(1+7))*8) = 24 \\
&2. ((1+7)*(11-8)) = 24 \\
&3. (((11-1)-7)*8) = 24 \\
&4. (((11-7)-1)*8) = 24
\end{aligned}$$

383. [1, 7, 8, 12]

$$\begin{aligned}
&1. (((1-7)+8)*12) = 24 \\
&2. ((1-7)*(8-12)) = 24 \\
&3. ((8-(7-1))*12) = 24 \\
&4. ((7-1)*(12-8)) = 24 \\
&5. (((1+8)-7)*12) = 24 \\
&6. ((1-(7-8))*12) = 24 \\
&7. ((1+(8-7))*12) = 24
\end{aligned}$$

384. [1, 7, 8, 13]

无解

385. [1, 7, 9, 9]

$$\begin{aligned}
&1. (9-((1-7)-9)) = 24 \\
&2. ((9-(1-7))+9) = 24 \\
&3. ((9+9)-(1-7)) = 24 \\
&4. (((7-1)+9)+9) = 24 \\
&5. ((7-1)+(9+9)) = 24 \\
&6. (9-((1-9)-7)) = 24 \\
&7. ((7-(1-9))+9) = 24 \\
&8. (7-((1-9)-9)) = 24
\end{aligned}$$

$$\begin{aligned}
&9. ((9-(1-9))+7) = 24 \\
&10. ((7+9)-(1-9)) = 24 \\
&11. (((9-1)+7)+9) = 24 \\
&12. (((9-1)+9)+7) = 24 \\
&13. ((9-1)+(7+9)) = 24 \\
&14. (9-(1-(7+9))) = 24 \\
&15. (((7+9)-1)+9) = 24 \\
&16. (((7+9)+9)-1) = 24 \\
&17. (7-(1-(9+9))) = 24 \\
&18. (((9+9)-1)+7) = 24 \\
&19. ((7+(9+9))-1) = 24
\end{aligned}$$

386. [1, 7, 9, 10]

$$\begin{aligned}
&1. ((1-9)*(7-10)) = 24 \\
&2. ((9-1)*(10-7)) = 24
\end{aligned}$$

387. [1, 7, 9, 11]

$$1. ((1+11)*(9-7)) = 24$$

388. [1, 7, 9, 12]

$$\begin{aligned}
&1. ((1+7)*(12-9)) = 24 \\
&2. ((9-(1*7))*12) = 24 \\
&3. ((9-(7/1))*12) = 24 \\
&4. (((1*9)-7)*12) = 24 \\
&5. (((9/1)-7)*12) = 24 \\
&6. ((1*12)*(9-7)) = 24 \\
&7. ((9-7)/(1/12)) = 24 \\
&8. ((12/1)*(9-7)) = 24 \\
&9. ((1*(9-7))*12) = 24 \\
&10. (12/(1/(9-7))) = 24 \\
&11. (((9-7)/1)*12) = 24 \\
&12. (1*((9-7)*12)) = 24 \\
&13. (((9-7)*12)/1) = 24
\end{aligned}$$

389. [1, 7, 9, 13]

$$\begin{aligned}
&1. ((1-7)*(9-13)) = 24 \\
&2. ((7-1)*(13-9)) = 24 \\
&3. ((1-13)*(7-9)) = 24 \\
&4. ((13-1)*(9-7)) = 24
\end{aligned}$$

390. [1, 7, 10, 10]

无解

391. [1, 7, 10, 11]

无解

392. [1, 7, 10, 12]

$$\begin{aligned}
&1. ((10-(1+7))*12) = 24 \\
&2. (((10-1)-7)*12) = 24
\end{aligned}$$

$$\begin{aligned}
&3. (((10-7)-1)*12) = 24 \\
&4. (10/(1-(7/12))) = 24
\end{aligned}$$

393. [1, 7, 10, 13]

$$1. ((1+7)*(13-10)) = 24$$

394. [1, 7, 11, 11]

无解

395. [1, 7, 11, 12]

无解

396. [1, 7, 11, 13]

无解

397. [1, 7, 12, 12]

$$\begin{aligned}
&1. (12/((7-1)/12)) = 24 \\
&2. ((12/(7-1))*12) = 24 \\
&3. ((12*12)/(7-1)) = 24
\end{aligned}$$

398. [1, 7, 12, 13]

$$\begin{aligned}
&1. (((1+13)/7)*12) = 24 \\
&2. (12/(7/(1+13))) = 24 \\
&3. (((1+13)*12)/7) = 24 \\
&4. ((1+13)/(7/12)) = 24 \\
&5. ((1+13)*(12/7)) = 24
\end{aligned}$$

399. [1, 7, 13, 13]

$$1. (((13*13)-1)/7) = 24$$

400. [1, 8, 8, 8]

$$\begin{aligned}
&1. (((1*8)+8)+8) = 24 \\
&2. ((1*8)+(8+8)) = 24 \\
&3. (((8/1)+8)+8) = 24 \\
&4. ((8/1)+(8+8)) = 24 \\
&5. ((1*(8+8))+8) = 24 \\
&6. (((8+8)/1)+8) = 24 \\
&7. (1*((8+8)+8)) = 24 \\
&8. (((8+8)+8)/1) = 24 \\
&9. (1*(8+(8+8))) = 24 \\
&10. ((8+(8+8))/1) = 24
\end{aligned}$$

401. [1, 8, 8, 9]

$$\begin{aligned}
&1. (8-((1-8)-9)) = 24 \\
&2. ((9-(1-8))+8) = 24 \\
&3. (9-((1-8)-8)) = 24 \\
&4. ((8-(1-8))+9) = 24 \\
&5. ((9+8)-(1-8)) = 24 \\
&6. (((8-1)+9)+8) = 24
\end{aligned}$$

$$\begin{aligned}
7. & (((8-1)+8)+9) = 24 \\
8. & ((8-1)+(9+8)) = 24 \\
9. & ((8+9)-(1-8)) = 24 \\
10. & ((8-1)+(8+9)) = 24 \\
11. & (8-((1-9)-8)) = 24 \\
12. & ((8-(1-9))+8) = 24 \\
13. & ((8+8)-(1-9)) = 24 \\
14. & (((9-1)+8)+8) = 24 \\
15. & ((9-1)+(8+8)) = 24 \\
16. & (9-(1-(8+8))) = 24 \\
17. & (((8+8)-1)+9) = 24 \\
18. & (((8+8)+9)-1) = 24 \\
19. & (8-(1-(8+9))) = 24 \\
20. & (((8+9)-1)+8) = 24 \\
21. & (((8+9)+8)-1) = 24 \\
22. & ((8+(8+9))-1) = 24
\end{aligned}$$

$$402. [1, 8, 8, 10]$$

$$\begin{aligned}
1. & (((1-8)+10)*8) = 24 \\
2. & ((10-(8-1))*8) = 24 \\
3. & (((1+10)-8)*8) = 24 \\
4. & ((1-(8-10))*8) = 24 \\
5. & ((1+(10-8))*8) = 24
\end{aligned}$$

$$403. [1, 8, 8, 11]$$

$$\begin{aligned}
1. & (((11-(1*8))*8) = 24 \\
2. & ((1*8)*(11-8)) = 24 \\
3. & (((11-8)/(1/8)) = 24 \\
4. & (((11-(8/1))*8) = 24 \\
5. & ((8/1)*(11-8)) = 24 \\
6. & (((1*11)-8)*8) = 24 \\
7. & (((11/1)-8)*8) = 24 \\
8. & ((1*(11-8))*8) = 24 \\
9. & (8/(1/(11-8))) = 24 \\
10. & (((11-8)/1)*8) = 24 \\
11. & (1*((11-8)*8)) = 24 \\
12. & (((11-8)*8)/1) = 24 \\
13. & (1*(8*(11-8))) = 24 \\
14. & ((8*(11-8))/1) = 24
\end{aligned}$$

$$404. [1, 8, 8, 12]$$

$$\begin{aligned}
1. & ((12-(1+8))*8) = 24 \\
2. & (((12-1)-8)*8) = 24 \\
3. & ((1+(8/8))*12) = 24 \\
4. & (((12-8)-1)*8) = 24 \\
5. & (8/(1-(8/12))) = 24
\end{aligned}$$

$$405. [1, 8, 8, 13]$$

无解

$$406. [1, 8, 9, 9]$$

无解

$$407. [1, 8, 9, 10]$$

无解

$$408. [1, 8, 9, 11]$$

$$\begin{aligned}
1. & (((1-9)+11)*8) = 24 \\
2. & ((1-9)*(8-11)) = 24 \\
3. & (((11-(9-1))*8) = 24 \\
4. & ((9-1)*(11-8)) = 24 \\
5. & (((1+11)-9)*8) = 24 \\
6. & (9/((11/8)-1)) = 24 \\
7. & ((1-(9-11))*8) = 24 \\
8. & ((1+(11-9))*8) = 24
\end{aligned}$$

$$409. [1, 8, 9, 12]$$

$$\begin{aligned}
1. & (((1-8)+9)*12) = 24 \\
2. & ((9-(8-1))*12) = 24 \\
3. & ((1*8)*(12-9)) = 24 \\
4. & ((12-9)/(1/8)) = 24 \\
5. & ((8/1)*(12-9)) = 24 \\
6. & (((1+9)-8)*12) = 24 \\
7. & ((12-(1*9))*8) = 24 \\
8. & ((12-(9/1))*8) = 24 \\
9. & (((1*12)-9)*8) = 24 \\
10. & (((12/1)-9)*8) = 24 \\
11. & ((1-(8-9))*12) = 24 \\
12. & ((1+(9-8))*12) = 24 \\
13. & ((1*(12-9))*8) = 24 \\
14. & (8/(1/(12-9))) = 24 \\
15. & (((12-9)/1)*8) = 24 \\
16. & (1*(8*(12-9))) = 24 \\
17. & ((8*(12-9))/1) = 24 \\
18. & (8/((12/9)-1)) = 24
\end{aligned}$$

$$410. [1, 8, 9, 13]$$

$$\begin{aligned}
1. & ((13-(1+9))*8) = 24 \\
2. & (((13-1)-9)*8) = 24 \\
3. & (((13-9)-1)*8) = 24
\end{aligned}$$

$$411. [1, 8, 10, 10]$$

无解

$$412. [1, 8, 10, 11]$$

$$1. ((1+11)*(10-8)) = 24$$

$$413. [1, 8, 10, 12]$$

$$\begin{aligned}
1. & ((10-(1*8))*12) = 24 \\
2. & ((10-(8/1))*12) = 24 \\
3. & (((1-10)+12)*8) = 24 \\
4. & ((12-(10-1))*8) = 24 \\
5. & (((1*10)-8)*12) = 24 \\
6. & (((10/1)-8)*12) = 24 \\
7. & (((1+12)-10)*8) = 24 \\
8. & ((1*12)*(10-8)) = 24 \\
9. & ((10-8)/(1/12)) = 24 \\
10. & ((12/1)*(10-8)) = 24 \\
11. & ((1*(10-8))*12) = 24 \\
12. & (12/(1/(10-8))) = 24 \\
13. & (((10-8)/1)*12) = 24 \\
14. & (1*((10-8)*12)) = 24 \\
15. & (((10-8)*12)/1) = 24 \\
16. & ((1-(10-12))*8) = 24 \\
17. & ((1+(12-10))*8) = 24
\end{aligned}$$

$$414. [1, 8, 10, 13]$$

$$\begin{aligned}
1. & ((1*8)*(13-10)) = 24 \\
2. & ((13-10)/(1/8)) = 24 \\
3. & ((8/1)*(13-10)) = 24 \\
4. & ((13-(1*10))*8) = 24 \\
5. & ((13-(10/1))*8) = 24 \\
6. & ((1-13)*(8-10)) = 24 \\
7. & ((13-1)*(10-8)) = 24 \\
8. & (((1*13)-10)*8) = 24 \\
9. & (((13/1)-10)*8) = 24 \\
10. & ((1*(13-10))*8) = 24 \\
11. & (8/(1/(13-10))) = 24 \\
12. & (((13-10)/1)*8) = 24 \\
13. & (1*(8*(13-10))) = 24 \\
14. & ((8*(13-10))/1) = 24
\end{aligned}$$

$$415. [1, 8, 11, 11]$$

无解

$$416. [1, 8, 11, 12]$$

$$\begin{aligned}
1. & ((11-(1+8))*12) = 24 \\
2. & (((11-1)-8)*12) = 24 \\
3. & (((11-8)-1)*12) = 24
\end{aligned}$$

$$417. [1, 8, 11, 13]$$

$$\begin{aligned}
1. & (((1-11)+13)*8) = 24 \\
2. & ((13-(11-1))*8) = 24 \\
3. & (((1+13)-11)*8) = 24 \\
4. & ((1-(11-13))*8) = 24 \\
5. & ((1+(13-11))*8) = 24
\end{aligned}$$

$$418. [1, 8, 12, 12]$$

$$1. (12/((12/8)-1)) = 24$$

$$419. [1, 8, 12, 13]$$

无解

$$420. [1, 8, 13, 13]$$

无解

$$421. [1, 9, 9, 9]$$

无解

$$422. [1, 9, 9, 10]$$

无解

$$423. [1, 9, 9, 11]$$

无解

$$424. [1, 9, 9, 12]$$

$$\begin{aligned}
1. & ((1-9)*(9-12)) = 24 \\
2. & ((9-1)*(12-9)) = 24 \\
3. & ((1+(9/9))*12) = 24
\end{aligned}$$

$$425. [1, 9, 9, 13]$$

无解

$$426. [1, 9, 10, 10]$$

无解

$$427. [1, 9, 10, 11]$$

无解

$$428. [1, 9, 10, 12]$$

$$\begin{aligned}
1. & (((1-9)+10)*12) = 24 \\
2. & ((10-(9-1))*12) = 24 \\
3. & (((1+10)-9)*12) = 24 \\
4. & ((1-(9-10))*12) = 24 \\
5. & ((1+(10-9))*12) = 24
\end{aligned}$$

$$429. [1, 9, 10, 13]$$

$$\begin{aligned}
1. & ((1-9)*(10-13)) = 24 \\
2. & ((9-1)*(13-10)) = 24
\end{aligned}$$

$$430. [1, 9, 11, 11]$$

$$1. ((1+11)*(11-9)) = 24$$

$$431. [1, 9, 11, 12]$$

$$\begin{aligned}
1. & ((11-(1*9))*12) = 24 \\
2. & ((11-(9/1))*12) = 24
\end{aligned}$$

$$\begin{aligned}
3. & (((1*11)-9)*12) = 24 \\
4. & (((11/1)-9)*12) = 24 \\
5. & ((1*12)*(11-9)) = 24 \\
6. & (((11-9)/(1/12)) = 24 \\
7. & ((12/1)*(11-9)) = 24 \\
8. & ((1*(11-9))*12) = 24 \\
9. & (12/(1/(11-9))) = 24 \\
10. & (((11-9)/1)*12) = 24 \\
11. & (1*((11-9)*12)) = 24 \\
12. & (((11-9)*12)/1) = 24
\end{aligned}$$

$$432. [1, 9, 11, 13]$$

$$\begin{aligned}
1. & ((1-13)*(9-11)) = 24 \\
2. & ((13-1)*(11-9)) = 24
\end{aligned}$$

$$433. [1, 9, 12, 12]$$

$$\begin{aligned}
1. & ((12-(1+9))*12) = 24 \\
2. & (((12-1)-9)*12) = 24 \\
3. & (((12-9)-1)*12) = 24
\end{aligned}$$

$$434. [1, 9, 12, 13]$$

无解

$$435. [1, 9, 13, 13]$$

无解

$$436. [1, 10, 10, 10]$$

无解

$$437. [1, 10, 10, 11]$$

无解

$$438. [1, 10, 10, 12]$$

$$1. ((1+(10/10))*12) = 24$$

$$439. [1, 10, 10, 13]$$

无解

$$440. [1, 10, 11, 11]$$

无解

$$441. [1, 10, 11, 12]$$

$$\begin{aligned}
1. & (((1-10)+11)*12) = 24 \\
2. & (((11-(10-1))*12) = 24 \\
3. & (((1+11)-10)*12) = 24 \\
4. & ((1+11)*(12-10)) = 24 \\
5. & ((1-(10-11))*12) = 24 \\
6. & ((1+(11-10))*12) = 24
\end{aligned}$$

$$442. [1, 10, 11, 13]$$

无解

$$443. [1, 10, 12, 12]$$

$$\begin{aligned}
1. & ((12-(1*10))*12) = 24 \\
2. & ((12-(10/1))*12) = 24 \\
3. & (((1*12)-10)*12) = 24 \\
4. & ((1*12)*(12-10)) = 24 \\
5. & ((12-10)/(1/12)) = 24 \\
6. & (((12/1)-10)*12) = 24 \\
7. & ((12/1)*(12-10)) = 24 \\
8. & ((1*(12-10))*12) = 24 \\
9. & (12/(1/(12-10))) = 24 \\
10. & (((12-10)/1)*12) = 24 \\
11. & (1*((12-10)*12)) = 24 \\
12. & (((12-10)*12)/1) = 24
\end{aligned}$$

$$444. [1, 10, 12, 13]$$

$$\begin{aligned}
1. & ((13-(1+10))*12) = 24 \\
2. & ((1-13)*(10-12)) = 24 \\
3. & (((13-1)-10)*12) = 24 \\
4. & ((13-1)*(12-10)) = 24 \\
5. & (((13-10)-1)*12) = 24
\end{aligned}$$

$$445. [1, 10, 13, 13]$$

无解

$$446. [1, 11, 11, 11]$$

无解

$$447. [1, 11, 11, 12]$$

$$1. ((1+(11/11))*12) = 24$$

$$448. [1, 11, 11, 13]$$

$$\begin{aligned}
1. & ((1+11)*(13-11)) = 24 \\
2. & ((1+(13/11))*11) = 24
\end{aligned}$$

$$449. [1, 11, 12, 12]$$

$$\begin{aligned}
1. & (((1-11)+12)*12) = 24 \\
2. & ((12-(11-1))*12) = 24 \\
3. & (((1+12)-11)*12) = 24 \\
4. & ((1-(11-12))*12) = 24 \\
5. & ((1+(12-11))*12) = 24
\end{aligned}$$

$$450. [1, 11, 12, 13]$$

$$\begin{aligned}
1. & ((13-(1*11))*12) = 24 \\
2. & ((13-(11/1))*12) = 24 \\
3. & ((1*12)*(13-11)) = 24 \\
4. & ((13-11)/(1/12)) = 24
\end{aligned}$$

$$5. ((12/1)*(13-11)) = 24$$

$$6. (((1*13)-11)*12) = 24$$

$$7. (((13/1)-11)*12) = 24$$

$$8. ((1*(13-11))*12) = 24$$

$$9. (12/(1/(13-11))) = 24$$

$$10. (((13-11)/1)*12) = 24$$

$$11. (1*((13-11)*12)) = 24$$

$$12. (((13-11)*12)/1) = 24$$

$$451. [1, 11, 13, 13]$$

$$\begin{aligned}
1. & ((1-13)*(11-13)) = 24 \\
2. & ((13-1)*(13-11)) = 24 \\
3. & ((1+(11/13))*13) = 24
\end{aligned}$$

$$452. [1, 12, 12, 12]$$

$$1. ((1+(12/12))*12) = 24$$

$$453. [1, 12, 12, 13]$$

$$\begin{aligned}
1. & (((1-12)+13)*12) = 24 \\
2. & ((13-(12-1))*12) = 24 \\
3. & (((1+13)-12)*12) = 24 \\
4. & ((1-(12-13))*12) = 24 \\
5. & ((1+(13-12))*12) = 24
\end{aligned}$$

$$454. [1, 12, 13, 13]$$

$$1. ((1+(13/13))*12) = 24$$

$$455. [1, 13, 13, 13]$$

无解

$$456. [2, 2, 2, 2]$$

无解

$$457. [2, 2, 2, 3]$$

$$\begin{aligned}
1. & (((2+2)*3)*2) = 24 \\
2. & (((2+2)*2)*3) = 24 \\
3. & ((2+2)*(3*2)) = 24 \\
4. & (((2*2)*3)*2) = 24 \\
5. & (((2*2)*2)*3) = 24 \\
6. & ((2*2)*(3*2)) = 24 \\
7. & ((2+2)*(2*3)) = 24 \\
8. & ((2*2)*(2*3)) = 24 \\
9. & (((2*3)*2)*2) = 24 \\
10. & ((2*3)*(2+2)) = 24 \\
11. & ((2*3)*(2*2)) = 24 \\
12. & ((2*(2+2))*3) = 24 \\
13. & (2*((2+2)*3)) = 24 \\
14. & ((2*(2*2))*3) = 24 \\
15. & (2*((2*2)*3)) = 24
\end{aligned}$$

$$16. ((2*(2*3))*2) = 24$$

$$17. (2*((2*3)*2)) = 24$$

$$18. (2*(2*(2*3))) = 24$$

$$458. [2, 2, 2, 4]$$

$$\begin{aligned}
1. & (((2+2)+2)*4) = 24 \\
2. & ((2+2)*(4+2)) = 24 \\
3. & (((2*2)+2)*4) = 24 \\
4. & ((2*2)*(4+2)) = 24 \\
5. & ((2+2)*(2+4)) = 24 \\
6. & ((2*2)*(2+4)) = 24 \\
7. & (((2+4)*2)*2) = 24 \\
8. & ((2+4)*(2+2)) = 24 \\
9. & ((2+4)*(2*2)) = 24 \\
10. & ((2+(2+2))*4) = 24 \\
11. & ((2+(2*2))*4) = 24 \\
12. & ((2*(2+4))*2) = 24 \\
13. & (2*((2+4)*2)) = 24 \\
14. & (2*(2*(2+4))) = 24
\end{aligned}$$

$$459. [2, 2, 2, 5]$$

$$\begin{aligned}
1. & (((2*5)+2)*2) = 24 \\
2. & ((2+(2*5))*2) = 24 \\
3. & (2*((2*5)+2)) = 24 \\
4. & (2*(2+(2*5))) = 24
\end{aligned}$$

$$460. [2, 2, 2, 6]$$

无解

$$461. [2, 2, 2, 7]$$

$$\begin{aligned}
1. & (((2*7)-2)*2) = 24 \\
2. & (2*((2*7)-2)) = 24
\end{aligned}$$

$$462. [2, 2, 2, 8]$$

$$\begin{aligned}
1. & (((2+2)+8)*2) = 24 \\
2. & ((2+2)*(8-2)) = 24 \\
3. & (((2*2)+8)*2) = 24 \\
4. & ((2*2)*(8-2)) = 24 \\
5. & (((2/2)+2)*8) = 24 \\
6. & (((2+8)+2)*2) = 24 \\
7. & (((8-2)*2)*2) = 24 \\
8. & ((8-2)*(2+2)) = 24 \\
9. & ((8-2)*(2*2)) = 24 \\
10. & (2*((2+2)+8)) = 24 \\
11. & (2*((2*2)+8)) = 24 \\
12. & ((2+(2/2))*8) = 24 \\
13. & ((2+(2+8))*2) = 24 \\
14. & (2*((2+8)+2)) = 24 \\
15. & ((2*(8-2))*2) = 24
\end{aligned}$$

$$16. (2*((8-2)*2)) = 24$$

$$17. (2*(2+(2+8))) = 24$$

$$18. (2*(2*(8-2))) = 24$$

$$463. [2, 2, 2, 9]$$

$$1. (((2+9)*2)+2) = 24$$

$$2. ((2*(2+9))+2) = 24$$

$$3. (2+((2+9)*2)) = 24$$

$$4. (2+(2*(2+9))) = 24$$

$$464. [2, 2, 2, 10]$$

$$1. ((2+2)+(10*2)) = 24$$

$$2. ((2*2)+(10*2)) = 24$$

$$3. ((2+2)+(2*10)) = 24$$

$$4. ((2*2)+(2*10)) = 24$$

$$5. (((2*10)+2)+2) = 24$$

$$6. ((2*10)+(2+2)) = 24$$

$$7. ((2*10)+(2*2)) = 24$$

$$8. ((2+(2*10))+2) = 24$$

$$9. (2+((2*10)+2)) = 24$$

$$10. (2+(2+(2*10))) = 24$$

$$465. [2, 2, 2, 11]$$

$$1. (((2/2)+11)*2) = 24$$

$$2. (((2+11)*2)-2) = 24$$

$$3. (2*((2/2)+11)) = 24$$

$$4. ((2*(2+11))-2) = 24$$

$$466. [2, 2, 2, 12]$$

$$1. (((2+2)*12)/2) = 24$$

$$2. (((2+2)-2)*12) = 24$$

$$3. (((2+2)/2)*12) = 24$$

$$4. (12/(2/(2+2))) = 24$$

$$5. ((2+2)*(12/2)) = 24$$

$$6. ((2+2)/(2/12)) = 24$$

$$7. (((2-2)+12)*2) = 24$$

$$8. ((12-(2-2))*2) = 24$$

$$9. (((2-2)+2)*12) = 24$$

$$10. ((2-(2-2))*12) = 24$$

$$11. ((2-2)+(12*2)) = 24$$

$$12. ((12*2)-(2-2)) = 24$$

$$13. (((2*2)*12)/2) = 24$$

$$14. (((2*2)-2)*12) = 24$$

$$15. (((2*2)/2)*12) = 24$$

$$16. (12/(2/(2*2))) = 24$$

$$17. ((2*2)*(12/2)) = 24$$

$$18. ((2*2)/(2/12)) = 24$$

$$19. (((2/2)*12)*2) = 24$$

$$20. (2/((2/2)/12)) = 24$$

$$21. (((12/(2/2))*2) = 24$$

$$22. (((2/2)*2)*12) = 24$$

$$23. (12/((2/2)/2)) = 24$$

$$24. ((2/(2/2))*12) = 24$$

$$25. ((2/2)*(12*2)) = 24$$

$$26. ((12*2)/(2/2)) = 24$$

$$27. ((2-2)+(2*12)) = 24$$

$$28. ((2*12)-(2-2)) = 24$$

$$29. ((2/2)*(2*12)) = 24$$

$$30. ((2*12)/(2/2)) = 24$$

$$31. (((2+12)-2)*2) = 24$$

$$32. ((2-(2-12))*2) = 24$$

$$33. (((12-2)+2)*2) = 24$$

$$34. (((2*12)+2)-2) = 24$$

$$35. (((2*12)-2)+2) = 24$$

$$36. (2-(2-(2*12))) = 24$$

$$37. (((2*12)*2)/2) = 24$$

$$38. (((2*12)/2)*2) = 24$$

$$39. (2/(2/(2*12))) = 24$$

$$40. ((2*12)+(2-2)) = 24$$

$$41. ((2*12)*(2/2)) = 24$$

$$42. (2/((2/12)/2)) = 24$$

$$43. ((2/(2/12))*2) = 24$$

$$44. (((12/2)*2)*2) = 24$$

$$45. ((12/2)*(2+2)) = 24$$

$$46. ((12/2)*(2*2)) = 24$$

$$47. ((2+(2-2))*12) = 24$$

$$48. (2*((2-2)+12)) = 24$$

$$49. (2*(12-(2-2))) = 24$$

$$50. ((2*(2/2))*12) = 24$$

$$51. (2*((2/2)*12)) = 24$$

$$52. (2*(12/(2/2))) = 24$$

$$53. (2*((2+12)-2)) = 24$$

$$54. (2*(2-(2-12))) = 24$$

$$55. ((2+(12-2))*2) = 24$$

$$56. (2*((12-2)+2)) = 24$$

$$57. ((2+(2*12))-2) = 24$$

$$58. ((2*(2*12))/2) = 24$$

$$59. (2+((2*12)-2)) = 24$$

$$60. (2*((2*12)/2)) = 24$$

$$61. (2*(2/(2/12))) = 24$$

$$62. ((2*(12/2))*2) = 24$$

$$63. (2*((12/2)*2)) = 24$$

$$64. (2*(2+(12-2))) = 24$$

$$65. (2*(2*(12/2))) = 24$$

$$467. [2, 2, 2, 13]$$

$$1. ((13-(2/2))*2) = 24$$

$$2. (2-((2-13)*2)) = 24$$

$$3. (((13-2)*2)+2) = 24$$

$$4. (2*(13-(2/2))) = 24$$

$$5. (2-(2*(2-13))) = 24$$

$$6. ((2*(13-2))+2) = 24$$

$$7. (2+((13-2)*2)) = 24$$

$$8. (2+(2*(13-2))) = 24$$

$$468. [2, 2, 3, 3]$$

$$1. ((2+2)*(3+3)) = 24$$

$$2. ((2*2)*(3+3)) = 24$$

$$3. (((2*3)+2)*3) = 24$$

$$4. ((2+(2*3))*3) = 24$$

$$5. ((2*(3+3))*2) = 24$$

$$6. (2*(2*(3+3))) = 24$$

$$469. [2, 2, 3, 4]$$

$$1. (((2+2)+4)*3) = 24$$

$$2. (((2*2)+4)*3) = 24$$

$$3. (((2+4)+2)*3) = 24$$

$$4. ((2+(2+4))*3) = 24$$

$$470. [2, 2, 3, 5]$$

$$1. (((2*5)-2)*3) = 24$$

$$471. [2, 2, 3, 6]$$

$$1. (((2/2)+3)*6) = 24$$

$$2. (((2*3)-2)*6) = 24$$

$$3. (((2*3)+6)*2) = 24$$

$$4. ((2*3)*(6-2)) = 24$$

$$5. (((6-2)*2)*3) = 24$$

$$6. (((6-2)*3)*2) = 24$$

$$7. ((6-2)*(2*3)) = 24$$

$$8. (2*((2*3)+6)) = 24$$

$$9. ((2*(6-2))*3) = 24$$

$$10. (2*((6-2)*3)) = 24$$

$$472. [2, 2, 3, 7]$$

$$1. (((2/2)+7)*3) = 24$$

$$2. (((2+3)+7)*2) = 24$$

$$3. (((2+7)+3)*2) = 24$$

$$4. (2*((2+3)+7)) = 24$$

$$5. (2*((2+7)+3)) = 24$$

$$6. ((2+(3+7))*2) = 24$$

$$7. (2*(2+(3+7))) = 24$$

$$473. [2, 2, 3, 8]$$

$$1. (((2-2)+8)*3) = 24$$

$$2. ((8-(2-2))*3) = 24$$

$$3. (((2-2)+3)*8) = 24$$

$$4. ((3-(2-2))*8) = 24$$

$$5. ((2-2)+(8*3)) = 24$$

$$6. ((8*3)-(2-2)) = 24$$

$$7. (((2/2)*8)*3) = 24$$

$$8. (3/((2/2)/8)) = 24$$

$$9. ((8/(2/2))*3) = 24$$

$$10. (((2/2)*3)*8) = 24$$

$$11. (8/((2/2)/3)) = 24$$

$$12. ((3/(2/2))*8) = 24$$

$$13. ((2/2)*(8*3)) = 24$$

$$14. ((8*3)/(2/2)) = 24$$

$$15. (((2+3)-2)*8) = 24$$

$$16. ((2-(2-3))*8) = 24$$

$$17. (((3-2)+2)*8) = 24$$

$$18. (((2*3)/2)*8) = 24$$

$$19. (8/(2/(2*3))) = 24$$

$$20. (((2*3)*8)/2) = 24$$

$$21. ((2*3)/(2/8)) = 24$$

$$22. ((2*3)*(8/2)) = 24$$

$$23. (8/((2/3)/2)) = 24$$

$$24. ((2/(2/3))*8) = 24$$

$$25. (2/((2/3)/8)) = 24$$

$$26. ((8/(2/3))*2) = 24$$

$$27. ((2*8)/(2/3)) = 24$$

$$28. (((3/2)*2)*8) = 24$$

$$29. (((3/2)*8)*2) = 24$$

$$30. ((3/2)*(2*8)) = 24$$

$$31. (((2+8)-2)*3) = 24$$

$$32. ((2-(2-8))*3) = 24$$

$$33. (((8-2)+2)*3) = 24$$

$$34. (((2*8)/2)*3) = 24$$

$$35. (3/(2/(2*8))) = 24$$

$$36. (((2*8)*3)/2) = 24$$

$$37. ((2*8)*(3/2)) = 24$$

$$38. (3/((2/8)/2)) = 24$$

$$39. ((2/(2/8))*3) = 24$$

$$40. (2/((2/8)/3)) = 24$$

$$41. ((3/(2/8))*2) = 24$$

$$42. (((8/2)*2)*3) = 24$$

$$43. (((8/2)*3)*2) = 24$$

$$44. ((8/2)*(2*3)) = 24$$

$$45. ((2+(3-2))*8) = 24$$

$$46. (2*(8/(2/3))) = 24$$

$$47. ((2*(3/2))*8) = 24$$

$$48. (2*((3/2)*8)) = 24$$

$$49. ((2+(8-2))*3) = 24$$

$$50. (2*(3/(2/8))) = 24$$

$$51. ((2*(8/2))*3) = 24$$

$$52. (2*((8/2)*3)) = 24$$

$$\begin{aligned}
53. & ((2*(3+8))+2) = 24 \\
54. & (2+(2*(3+8))) = 24 \\
55. & ((2-2)+(3*8)) = 24 \\
56. & ((3*8)-(2-2)) = 24 \\
57. & ((2/2)*(3*8)) = 24 \\
58. & ((3*8)/(2/2)) = 24 \\
59. & ((2+(3*8))-2) = 24 \\
60. & (2-(2-(3*8))) = 24 \\
61. & (((3*8)-2)+2) = 24 \\
62. & ((2*(3*8))/2) = 24 \\
63. & (2/(2/(3*8))) = 24 \\
64. & (((3*8)/2)*2) = 24 \\
65. & (2+((3*8)-2)) = 24 \\
66. & (2*((3*8)/2)) = 24
\end{aligned}$$

$$474. [2, 2, 3, 9]$$

$$\begin{aligned}
1. & ((2+2)*(9-3)) = 24 \\
2. & ((2*2)*(9-3)) = 24 \\
3. & ((9-(2/2))*3) = 24 \\
4. & ((2*3)+(2*9)) = 24 \\
5. & (((2/3)+2)*9) = 24 \\
6. & ((2*9)+(2*3)) = 24 \\
7. & ((2+(2/3))*9) = 24 \\
8. & ((2*(9-3))*2) = 24 \\
9. & (2*(2*(9-3))) = 24
\end{aligned}$$

$$475. [2, 2, 3, 10]$$

$$1. ((2*(3+10))-2) = 24$$

$$476. [2, 2, 3, 11]$$

$$\begin{aligned}
1. & (((11-(2-3))*2) = 24 \\
2. & (((3-2)+11)*2) = 24 \\
3. & ((3-(2-11))*2) = 24 \\
4. & (((11-2)+3)*2) = 24 \\
5. & (2*(11-(2-3))) = 24 \\
6. & (2*((3-2)+11)) = 24 \\
7. & (2*(3-(2-11))) = 24 \\
8. & (2*((11-2)+3)) = 24 \\
9. & (((3+11)-2)*2) = 24 \\
10. & (2*((3+11)-2)) = 24
\end{aligned}$$

$$477. [2, 2, 3, 12]$$

$$\begin{aligned}
1. & (((12-(2+2))*3) = 24 \\
2. & (((2+2)*3)+12) = 24 \\
3. & ((12-(2*2))*3) = 24 \\
4. & (((2*2)*3)+12) = 24 \\
5. & ((3-(2/2))*12) = 24 \\
6. & (((3-2)*2)*12) = 24 \\
7. & (12/((3-2)/2)) = 24
\end{aligned}$$

$$\begin{aligned}
8. & ((2/(3-2))*12) = 24 \\
9. & (((3-2)*12)*2) = 24 \\
10. & (2/((3-2)/12)) = 24 \\
11. & ((12/(3-2))*2) = 24 \\
12. & ((3-2)*(2*12)) = 24 \\
13. & ((2*12)/(3-2)) = 24 \\
14. & (((2*3)*2)+12) = 24 \\
15. & (12/(2-(3/2))) = 24 \\
16. & (((12-2)-2)*3) = 24 \\
17. & ((2*12)*(3-2)) = 24 \\
18. & (((12/2)+2)*3) = 24 \\
19. & ((2*(3-2))*12) = 24 \\
20. & (2*((3-2)*12)) = 24 \\
21. & (2*(12/(3-2))) = 24 \\
22. & ((2*(2*3))+12) = 24 \\
23. & ((2+(12/2))*3) = 24
\end{aligned}$$

$$478. [2, 2, 3, 13]$$

$$\begin{aligned}
1. & (((2-3)+13)*2) = 24 \\
2. & ((13-(3-2))*2) = 24 \\
3. & (((2+13)-3)*2) = 24 \\
4. & (2*((2-3)+13)) = 24 \\
5. & (2*(13-(3-2))) = 24 \\
6. & (2*((2+13)-3)) = 24 \\
7. & ((2-(3-13))*2) = 24 \\
8. & (2*(2-(3-13))) = 24 \\
9. & ((2+(13-3))*2) = 24 \\
10. & (2*(2+(13-3))) = 24
\end{aligned}$$

$$479. [2, 2, 4, 4]$$

$$\begin{aligned}
1. & (((2*4)-2)*4) = 24 \\
2. & (((2*4)+4)*2) = 24 \\
3. & (2*((2*4)+4)) = 24
\end{aligned}$$

$$480. [2, 2, 4, 5]$$

$$\begin{aligned}
1. & (((2+2)*5)+4) = 24 \\
2. & ((2+2)+(5*4)) = 24 \\
3. & (((2*2)*5)+4) = 24 \\
4. & ((2*2)+(5*4)) = 24 \\
5. & (((2/2)+5)*4) = 24 \\
6. & ((2*4)*(5-2)) = 24 \\
7. & (((5-2)*2)*4) = 24 \\
8. & (((5-2)*4)*2) = 24 \\
9. & ((5-2)*(2*4)) = 24 \\
10. & (((2*5)*2)+4) = 24 \\
11. & ((2*(5-2))*4) = 24 \\
12. & (2*((5-2)*4)) = 24 \\
13. & ((2*(2*5))+4) = 24 \\
14. & ((2+2)+(4*5)) = 24
\end{aligned}$$

$$\begin{aligned}
15. & ((2*2)+(4*5)) = 24 \\
16. & ((2+(4*5))+2) = 24 \\
17. & (2+(2+(4*5))) = 24
\end{aligned}$$

$$481. [2, 2, 4, 6]$$

$$\begin{aligned}
1. & (((2-2)+6)*4) = 24 \\
2. & ((6-(2-2))*4) = 24 \\
3. & (((2-2)+4)*6) = 24 \\
4. & ((4-(2-2))*6) = 24 \\
5. & ((2-2)+(6*4)) = 24 \\
6. & ((6*4)-(2-2)) = 24 \\
7. & (((2/2)*6)*4) = 24 \\
8. & (4/((2/2)/6)) = 24 \\
9. & ((6/(2/2))*4) = 24 \\
10. & (((2/2)*4)*6) = 24 \\
11. & (6/((2/2)/4)) = 24 \\
12. & ((4/(2/2))*6) = 24 \\
13. & ((2/2)*(6*4)) = 24 \\
14. & ((6*4)/(2/2)) = 24 \\
15. & (((2+4)-2)*6) = 24 \\
16. & (((2+4)+6)*2) = 24 \\
17. & ((2+4)*(6-2)) = 24 \\
18. & ((2-(2-4))*6) = 24 \\
19. & (((4-2)+2)*6) = 24 \\
20. & (((4-2)*2)*6) = 24 \\
21. & (((4-2)*6)*2) = 24 \\
22. & ((4-2)*(2*6)) = 24 \\
23. & (((2*4)/2)*6) = 24 \\
24. & (6/(2/(2*4))) = 24 \\
25. & (((2*4)*6)/2) = 24 \\
26. & ((2*4)/(2/6)) = 24 \\
27. & ((2*4)*(6/2)) = 24 \\
28. & (6/((2/4)/2)) = 24 \\
29. & ((2/(2/4))*6) = 24 \\
30. & (2/((2/4)/6)) = 24 \\
31. & ((6/(2/4))*2) = 24 \\
32. & ((2*6)/(2/4)) = 24 \\
33. & (((4/2)+2)*6) = 24 \\
34. & (((4/2)*2)*6) = 24 \\
35. & (((4/2)*6)*2) = 24 \\
36. & ((4/2)*(2*6)) = 24 \\
37. & (((2+6)-2)*4) = 24 \\
38. & (((2+6)+4)*2) = 24 \\
39. & ((2-(2-6))*4) = 24 \\
40. & (((6-2)+2)*4) = 24 \\
41. & ((6-2)*(2+4)) = 24 \\
42. & (((2*6)/2)*4) = 24 \\
43. & (4/(2/(2*6))) = 24 \\
44. & (((2*6)*4)/2) = 24
\end{aligned}$$

$$\begin{aligned}
45. & ((2*6)*(4-2)) = 24 \\
46. & ((2*6)*(4/2)) = 24 \\
47. & (4/((2/6)/2)) = 24 \\
48. & ((2/(2/6))*4) = 24 \\
49. & (2/((2/6)/4)) = 24 \\
50. & ((4/(2/6))*2) = 24 \\
51. & (((6/2)*2)*4) = 24 \\
52. & (((6/2)*4)*2) = 24 \\
53. & ((6/2)*(2*4)) = 24 \\
54. & (2*((2+4)+6)) = 24 \\
55. & ((2+(4-2))*6) = 24 \\
56. & ((2*(4-2))*6) = 24 \\
57. & (2*((4-2)*6)) = 24 \\
58. & (2*(6/(2/4))) = 24 \\
59. & ((2+(4/2))*6) = 24 \\
60. & ((2*(4/2))*6) = 24 \\
61. & (2*((4/2)*6)) = 24 \\
62. & (2*((2+6)+4)) = 24 \\
63. & ((2+(6-2))*4) = 24 \\
64. & (2*(4/(2/6))) = 24 \\
65. & ((2*(6/2))*4) = 24 \\
66. & (2*((6/2)*4)) = 24 \\
67. & ((2+(4+6))*2) = 24 \\
68. & (2*(2+(4+6))) = 24 \\
69. & ((2-2)+(4*6)) = 24 \\
70. & ((4*6)-(2-2)) = 24 \\
71. & ((2/2)*(4*6)) = 24 \\
72. & ((4*6)/(2/2)) = 24 \\
73. & ((2+(4*6))-2) = 24 \\
74. & (2-(2-(4*6))) = 24 \\
75. & (((4*6)-2)+2) = 24 \\
76. & ((2*(4*6))/2) = 24 \\
77. & (2/(2/(4*6))) = 24 \\
78. & (((4*6)/2)*2) = 24 \\
79. & (2+((4*6)-2)) = 24 \\
80. & (2*((4*6)/2)) = 24
\end{aligned}$$

$$482. [2, 2, 4, 7]$$

$$\begin{aligned}
1. & (((2+2)*7)-4) = 24 \\
2. & ((7*4)-(2+2)) = 24 \\
3. & (((2*2)*7)-4) = 24 \\
4. & ((7*4)-(2*2)) = 24 \\
5. & ((7-(2/2))*4) = 24 \\
6. & (((2*7)*2)-4) = 24 \\
7. & ((2*(2*7))-4) = 24 \\
8. & ((2*(4+7))+2) = 24 \\
9. & (2+(2*(4+7))) = 24 \\
10. & ((4*7)-(2+2)) = 24 \\
11. & ((4*7)-(2*2)) = 24
\end{aligned}$$

$$12. (((4*7)-2)-2) = 24$$

$$483. [2, 2, 4, 8]$$

1. $((2+2)*4)+8 = 24$
2. $((2*2)*4)+8 = 24$
3. $((4-(2/2))*8) = 24$
4. $((2+4)/2)*8 = 24$
5. $(8/(2/(2+4))) = 24$
6. $((2+4)*8)/2 = 24$
7. $((2+4)/(2/8)) = 24$
8. $((2+4)*(8/2)) = 24$
9. $((2*4)*2)+8 = 24$
10. $((2*4)+(2*8)) = 24$
11. $((2+8)*2)+4 = 24$
12. $((2*8)-4)*2 = 24$
13. $((2*8)+(2*4)) = 24$
14. $((8/2)+2)*4 = 24$
15. $((8/2)*(2+4)) = 24$
16. $((2*(2*4))+8) = 24$
17. $((2*(2+8))+4) = 24$
18. $(2*((2*8)-4)) = 24$
19. $((2+(8/2))*4) = 24$

$$484. [2, 2, 4, 9]$$

1. $((2+4)+(2*9)) = 24$
2. $((2*9)+2)+4 = 24$
3. $((2*9)+4)+2 = 24$
4. $((2*9)+(2+4)) = 24$
5. $((2+(2*9))+4) = 24$
6. $(2+((2*9)+4)) = 24$
7. $((2*(4+9))-2) = 24$

$$485. [2, 2, 4, 10]$$

1. $((10-(2+2))*4) = 24$
2. $((2+2)*(10-4)) = 24$
3. $((10-(2*2))*4) = 24$
4. $((2*2)*(10-4)) = 24$
5. $((10-(2-4))*2) = 24$
6. $((4-2)+10)*2 = 24$
7. $((4-2)*(2+10)) = 24$
8. $((2+10)/(2/4)) = 24$
9. $((4/2)+10)*2 = 24$
10. $((4/2)*(2+10)) = 24$
11. $((2+10)/2)*4 = 24$
12. $(4/(2/(2+10))) = 24$
13. $((2+10)*4)/2 = 24$
14. $((2+10)*(4-2)) = 24$
15. $((2+10)*(4/2)) = 24$
16. $((4-(2-10))*2) = 24$

$$17. (((10-2)-2)*4) = 24$$

18. $((10-2)+4)*2 = 24$
19. $(2*(10-(2-4))) = 24$
20. $(2*((4-2)+10)) = 24$
21. $(2*((4/2)+10)) = 24$
22. $(2*(4-(2-10))) = 24$
23. $(2*((10-2)+4)) = 24$
24. $((4+10)-2)*2 = 24$
25. $(2*((4+10)-2)) = 24$
26. $((2*(10-4))*2) = 24$
27. $(2*(2*(10-4))) = 24$

$$486. [2, 2, 4, 11]$$

1. $(2-((2-4)*11)) = 24$
2. $((2*11)-(2-4)) = 24$
3. $((4-2)*11)+2 = 24$
4. $((4-2)+(2*11)) = 24$
5. $((11/(2/4))+2) = 24$
6. $((4/2)*11)+2 = 24$
7. $((4/2)+(2*11)) = 24$
8. $((2*11)-2)+4 = 24$
9. $(4-(2-(2*11))) = 24$
10. $((2*11)+4)-2 = 24$
11. $((2*11)+(4-2)) = 24$
12. $((2*11)+(4/2)) = 24$
13. $((4/(2/11))+2) = 24$
14. $((11/2)*4)+2 = 24$
15. $(2+((4-2)*11)) = 24$
16. $(2+(11/(2/4))) = 24$
17. $(2+((4/2)*11)) = 24$
18. $(2+(4/(2/11))) = 24$
19. $(2+((11/2)*4)) = 24$
20. $((4*11)/2)+2 = 24$
21. $(2+((4*11)/2)) = 24$

$$487. [2, 2, 4, 12]$$

1. $((2+4)*2)+12 = 24$
2. $((2+12)*2)-4 = 24$
3. $(4-((2-12)*2)) = 24$
4. $((12-2)*2)+4 = 24$
5. $((2*(2+4))+12) = 24$
6. $((2*(2+12))-4) = 24$
7. $(4-(2*(2-12))) = 24$
8. $((2*(12-2))+4) = 24$

$$488. [2, 2, 4, 13]$$

1. $((2-4)+(2*13)) = 24$
2. $((4-2)*13)-2 = 24$
3. $((2*13)-(4-2)) = 24$

$$4. ((13/(2/4))-2) = 24$$

5. $((4/2)*13)-2 = 24$
6. $((2*13)-(4/2)) = 24$
7. $((2*13)+2)-4 = 24$
8. $((2*13)-4)+2 = 24$
9. $(2-(4-(2*13))) = 24$
10. $((2*13)+(2-4)) = 24$
11. $((4/(2/13))-2) = 24$
12. $((13/2)*4)-2 = 24$
13. $((2+(2*13))-4) = 24$
14. $(2+((2*13)-4)) = 24$
15. $((4*13)/2)-2 = 24$

$$489. [2, 2, 5, 5]$$

1. $((5*5)-(2/2)) = 24$
2. $((2+5)+5)*2 = 24$
3. $(2*((2+5)+5)) = 24$
4. $((2+(5+5))*2) = 24$
5. $(2*(2+(5+5))) = 24$

$$490. [2, 2, 5, 6]$$

1. $((5-(2/2))*6) = 24$
2. $((5-2)*(2+6)) = 24$
3. $((2+6)*(5-2)) = 24$
4. $((2*(5+6))+2) = 24$
5. $(2+(2*(5+6))) = 24$

$$491. [2, 2, 5, 7]$$

1. $((2*5)+(2*7)) = 24$
2. $((2*7)+(2*5)) = 24$

$$492. [2, 2, 5, 8]$$

1. $((2*(5+8))-2) = 24$

$$493. [2, 2, 5, 9]$$

1. $((9-(2-5))*2) = 24$
2. $((5-2)+9)*2 = 24$
3. $((5-(2-9))*2) = 24$
4. $((9-2)+5)*2 = 24$
5. $(2*(9-(2-5))) = 24$
6. $(2*((5-2)+9)) = 24$
7. $(2*(5-(2-9))) = 24$
8. $(2*((9-2)+5)) = 24$
9. $((5+9)-2)*2 = 24$
10. $(2*((5+9)-2)) = 24$

$$494. [2, 2, 5, 10]$$

1. $((2+5)*2)+10 = 24$
2. $((2-5)*(2-10)) = 24$

$$3. ((5-2)*(10-2)) = 24$$

4. $((2/5)+2)*10 = 24$
5. $((2-10)*(2-5)) = 24$
6. $((10-2)*(5-2)) = 24$
7. $((2*(2+5))+10) = 24$
8. $((2+(2/5))*10) = 24$
9. $((5*10)-2)/2 = 24$

$$495. [2, 2, 5, 11]$$

1. $((2+2)*(11-5)) = 24$
2. $((2*2)*(11-5)) = 24$
3. $((2*(11-5))*2) = 24$
4. $(2*(2*(11-5))) = 24$

$$496. [2, 2, 5, 12]$$

1. $((2*5)+2)+12 = 24$
2. $((2*5)+12)+2 = 24$
3. $((2*5)+(2+12)) = 24$
4. $(12/((5/2)-2)) = 24$
5. $((2+12)+(2*5)) = 24$
6. $((2+(2*5))+12) = 24$
7. $(2+((2*5)+12)) = 24$

$$497. [2, 2, 5, 13]$$

无解

$$498. [2, 2, 6, 6]$$

1. $((2+6)/2)*6 = 24$
2. $(6/(2/(2+6))) = 24$
3. $((2+6)*6)/2 = 24$
4. $((2+6)/(2/6)) = 24$
5. $((2+6)*(6/2)) = 24$
6. $((2*6)+(2*6)) = 24$
7. $((6/2)*(2+6)) = 24$

$$499. [2, 2, 6, 7]$$

1. $((2+7)*2)+6 = 24$
2. $((2*(2+7))+6) = 24$
3. $((2*(6+7))-2) = 24$

$$500. [2, 2, 6, 8]$$

1. $((8-(2+2))*6) = 24$
2. $((8-(2*2))*6) = 24$
3. $((2+6)*2)+8 = 24$
4. $((2+6)+(2*8)) = 24$
5. $((8-(2-6))*2) = 24$
6. $((2-6)*(2-8)) = 24$
7. $((6-2)+8)*2 = 24$
8. $((6-2)*(8-2)) = 24$

$$\begin{aligned}
&9. ((6-(2-8))*2) = 24 \\
&10. ((2-8)*(2-6)) = 24 \\
&11. (((8-2)-2)*6) = 24 \\
&12. (((8-2)+6)*2) = 24 \\
&13. ((8-2)*(6-2)) = 24 \\
&14. (((2*8)+2)+6) = 24 \\
&15. (((2*8)+6)+2) = 24 \\
&16. ((2*8)+(2+6)) = 24 \\
&17. ((2*(2+6))+8) = 24 \\
&18. (2*(8-(2-6))) = 24 \\
&19. (2*((6-2)+8)) = 24 \\
&20. (2*(6-(2-8))) = 24 \\
&21. (2*((8-2)+6)) = 24 \\
&22. ((2+(2*8))+6) = 24 \\
&23. (2+((2*8)+6)) = 24 \\
&24. (((6+8)-2)*2) = 24 \\
&25. (2*((6+8)-2)) = 24
\end{aligned}$$

$$501. [2, 2, 6, 9]$$

$$\begin{aligned}
&1. (((6/2)+9)*2) = 24 \\
&2. (((2*9)-6)*2) = 24 \\
&3. (2*((6/2)+9)) = 24 \\
&4. (2*((2*9)-6)) = 24
\end{aligned}$$

$$502. [2, 2, 6, 10]$$

$$\begin{aligned}
&1. ((2*10)-(2-6)) = 24 \\
&2. ((6-2)+(2*10)) = 24 \\
&3. (((2*6)+2)+10) = 24 \\
&4. (((2*6)+10)+2) = 24 \\
&5. ((2*6)+(2+10)) = 24 \\
&6. ((10-2)/(2/6)) = 24 \\
&7. ((6/2)*(10-2)) = 24 \\
&8. ((2+10)+(2*6)) = 24 \\
&9. (((10-2)/2)*6) = 24 \\
&10. (6/(2/(10-2))) = 24 \\
&11. (((10-2)*6)/2) = 24 \\
&12. ((10-2)*(6/2)) = 24 \\
&13. (((2*10)-2)+6) = 24 \\
&14. (6-(2-(2*10))) = 24 \\
&15. (((2*10)+6)-2) = 24 \\
&16. ((2*10)+(6-2)) = 24 \\
&17. ((2+(2*6))+10) = 24 \\
&18. (2+((2*6)+10)) = 24
\end{aligned}$$

$$503. [2, 2, 6, 11]$$

$$\begin{aligned}
&1. (6-((2-11)*2)) = 24 \\
&2. (((11-2)*2)+6) = 24 \\
&3. (6-(2*(2-11))) = 24 \\
&4. ((2*(11-2))+6) = 24
\end{aligned}$$

$$504. [2, 2, 6, 12]$$

$$\begin{aligned}
&1. ((6-(2+2))*12) = 24 \\
&2. ((2+2)*(12-6)) = 24 \\
&3. ((6-(2*2))*12) = 24 \\
&4. ((2*2)*(12-6)) = 24 \\
&5. (((6-2)-2)*12) = 24 \\
&6. (((6-2)/2)*12) = 24 \\
&7. (12/(2/(6-2))) = 24 \\
&8. (((6-2)*12)/2) = 24 \\
&9. ((6-2)/(2/12)) = 24 \\
&10. ((6-2)*(12/2)) = 24 \\
&11. (((12/2)-2)*6) = 24 \\
&12. (((12/2)+6)*2) = 24 \\
&13. ((12/2)*(6-2)) = 24 \\
&14. (2*((12/2)+6)) = 24 \\
&15. ((2*(12-6))*2) = 24 \\
&16. (2*(2*(12-6))) = 24
\end{aligned}$$

$$505. [2, 2, 6, 13]$$

$$\begin{aligned}
&1. (((2+13)*2)-6) = 24 \\
&2. ((2*(2+13))-6) = 24
\end{aligned}$$

$$506. [2, 2, 7, 7]$$

$$\begin{aligned}
&1. ((7-(2-7))*2) = 24 \\
&2. (((7-2)+7)*2) = 24 \\
&3. (2*(7-(2-7))) = 24 \\
&4. (2*((7-2)+7)) = 24 \\
&5. (((7+7)-2)*2) = 24 \\
&6. (2*((7+7)-2)) = 24
\end{aligned}$$

$$507. [2, 2, 7, 8]$$

$$\begin{aligned}
&1. ((7-(2+2))*8) = 24 \\
&2. ((7-(2*2))*8) = 24 \\
&3. (((7-2)-2)*8) = 24 \\
&4. (((2*7)+2)+8) = 24 \\
&5. (((2*7)+8)+2) = 24 \\
&6. ((2*7)+(2+8)) = 24 \\
&7. ((2+8)+(2*7)) = 24 \\
&8. ((2+(2*7))+8) = 24 \\
&9. (2+((2*7)+8)) = 24
\end{aligned}$$

$$508. [2, 2, 7, 9]$$

无解

$$509. [2, 2, 7, 10]$$

$$\begin{aligned}
&1. (((10/2)+7)*2) = 24 \\
&2. (2*((10/2)+7)) = 24
\end{aligned}$$

$$510. [2, 2, 7, 11]$$

无解

$$511. [2, 2, 7, 12]$$

$$\begin{aligned}
&1. (((2*7)-2)+12) = 24 \\
&2. (12-(2-(2*7))) = 24 \\
&3. (((2*7)+12)-2) = 24 \\
&4. ((2*7)-(2-12)) = 24 \\
&5. ((2*7)+(12-2)) = 24 \\
&6. ((12-2)+(2*7)) = 24
\end{aligned}$$

$$512. [2, 2, 7, 13]$$

$$\begin{aligned}
&1. (((2+2)+13)+7) = 24 \\
&2. (((2+2)+7)+13) = 24 \\
&3. ((2+2)+(13+7)) = 24 \\
&4. ((2+2)*(13-7)) = 24 \\
&5. (((2*2)+13)+7) = 24 \\
&6. (((2*2)+7)+13) = 24 \\
&7. ((2*2)+(13+7)) = 24 \\
&8. ((2*2)*(13-7)) = 24 \\
&9. (((2+7)+2)+13) = 24 \\
&10. (((2+7)+13)+2) = 24 \\
&11. ((2+7)+(2+13)) = 24 \\
&12. (((2+13)+2)+7) = 24 \\
&13. (((2+13)+7)+2) = 24 \\
&14. ((2+13)+(2+7)) = 24 \\
&15. ((2+(2+7))+13) = 24 \\
&16. (2+((2+7)+13)) = 24 \\
&17. ((2+(2+13))+7) = 24 \\
&18. (2+((2+13)+7)) = 24 \\
&19. ((2+2)+(7+13)) = 24 \\
&20. ((2*2)+(7+13)) = 24 \\
&21. ((2+(7+13))+2) = 24 \\
&22. (2+(2+(7+13))) = 24 \\
&23. ((2*(13-7))*2) = 24 \\
&24. (2*(2*(13-7))) = 24
\end{aligned}$$

$$513. [2, 2, 8, 8]$$

$$\begin{aligned}
&1. (((2+2)*8)-8) = 24 \\
&2. (((2*2)*8)-8) = 24 \\
&3. (((8-2)/2)*8) = 24 \\
&4. (8/(2/(8-2))) = 24 \\
&5. (((8-2)*8)/2) = 24 \\
&6. ((8-2)/(2/8)) = 24 \\
&7. ((8-2)*(8/2)) = 24 \\
&8. (((2*8)*2)-8) = 24 \\
&9. (((8/2)+8)*2) = 24 \\
&10. ((8/2)*(8-2)) = 24 \\
&11. ((2*(2*8))-8) = 24
\end{aligned}$$

$$12. (2*((8/2)+8)) = 24$$

$$514. [2, 2, 8, 9]$$

$$\begin{aligned}
&1. ((2*9)-(2-8)) = 24 \\
&2. ((8-2)+(2*9)) = 24 \\
&3. (((2*9)-2)+8) = 24 \\
&4. (8-(2-(2*9))) = 24 \\
&5. (((2*9)+8)-2) = 24 \\
&6. ((2*9)+(8-2)) = 24
\end{aligned}$$

$$515. [2, 2, 8, 10]$$

$$\begin{aligned}
&1. (((2*8)-2)+10) = 24 \\
&2. (10-(2-(2*8))) = 24 \\
&3. (((2*8)+10)-2) = 24 \\
&4. ((2*8)-(2-10)) = 24 \\
&5. ((2*8)+(10-2)) = 24 \\
&6. ((8/2)+(2*10)) = 24 \\
&7. (8-((2-10)*2)) = 24 \\
&8. (((10-2)*2)+8) = 24 \\
&9. ((10-2)+(2*8)) = 24 \\
&10. (((2*10)-8)*2) = 24 \\
&11. ((2*10)+(8/2)) = 24 \\
&12. (((10/2)-2)*8) = 24 \\
&13. (8-(2*(2-10))) = 24 \\
&14. ((2*(10-2))+8) = 24 \\
&15. (2*((2*10)-8)) = 24
\end{aligned}$$

$$516. [2, 2, 8, 11]$$

无解

$$517. [2, 2, 8, 12]$$

$$\begin{aligned}
&1. (((2+2)+12)+8) = 24 \\
&2. (8/((2+2)/12)) = 24 \\
&3. ((12/(2+2))*8) = 24 \\
&4. (((2+2)+8)+12) = 24 \\
&5. (12/((2+2)/8)) = 24 \\
&6. ((8/(2+2))*12) = 24 \\
&7. ((2+2)+(12+8)) = 24 \\
&8. ((12*8)/(2+2)) = 24 \\
&9. (((2*2)+12)+8) = 24 \\
&10. (8/((2*2)/12)) = 24 \\
&11. ((12/(2*2))*8) = 24 \\
&12. (((2*2)+8)+12) = 24 \\
&13. (12/((2*2)/8)) = 24 \\
&14. ((8/(2*2))*12) = 24 \\
&15. ((2*2)+(12+8)) = 24 \\
&16. ((12*8)/(2*2)) = 24 \\
&17. (((2+8)+2)+12) = 24 \\
&18. (((2+8)+12)+2) = 24
\end{aligned}$$

19. $((2+8)+(2+12)) = 24$
 20. $(12-((2-8)*2)) = 24$
 21. $((8-2)*2)+12 = 24$
 22. $(12/((2/8)*2)) = 24$
 23. $((12/(2/8))/2) = 24$
 24. $((12/2)/(2/8)) = 24$
 25. $((8/2-2)*12) = 24$
 26. $((8/2)/2)*12 = 24$
 27. $(12/(2/(8/2))) = 24$
 28. $((8/2)*12)/2 = 24$
 29. $((8/2)/(2/12)) = 24$
 30. $((8/2)*(12/2)) = 24$
 31. $((2+12)+2)+8 = 24$
 32. $((2+12)+8)+2 = 24$
 33. $((2+12)+(2+8)) = 24$
 34. $(8/((2/12)*2)) = 24$
 35. $((8/(2/12))/2) = 24$
 36. $((12/2)/2)*8 = 24$
 37. $(8/(2/(12/2))) = 24$
 38. $((12/2)*8)/2 = 24$
 39. $((12/2)*(8/2)) = 24$
 40. $((2+(2+8))+12) = 24$
 41. $(2+((2+8)+12)) = 24$
 42. $(12-(2*(2-8))) = 24$
 43. $((2*(8-2))+12) = 24$
 44. $(12/(2*(2/8))) = 24$
 45. $((2+(2+12))+8) = 24$
 46. $(2+((2+12)+8)) = 24$
 47. $(8/(2*(2/12))) = 24$
 48. $((2+2)+(8+12)) = 24$
 49. $((2*2)+(8+12)) = 24$
 50. $((2+(8+12))+2) = 24$
 51. $(2+(2+(8+12))) = 24$
 52. $((8*12)/(2+2)) = 24$
 53. $((8*12)/(2*2)) = 24$
 54. $((8*12)/2)/2 = 24$

518. [2, 2, 8, 13]

无解

519. [2, 2, 9, 9]

无解

520. [2, 2, 9, 10]

1. $(10-((2-9)*2)) = 24$
 2. $((9-2)*2)+10 = 24$
 3. $(10-(2*(2-9))) = 24$
 4. $((2*(9-2))+10) = 24$

521. [2, 2, 9, 11]

1. $((2+2)+11)+9 = 24$
 2. $((2+2)+9)+11 = 24$
 3. $((2+2)+(11+9)) = 24$
 4. $((2*2)+11)+9 = 24$
 5. $((2*2)+9)+11 = 24$
 6. $((2*2)+(11+9)) = 24$
 7. $((2+9)+2)+11 = 24$
 8. $((2+9)+11)+2 = 24$
 9. $((2+9)+(2+11)) = 24$
 10. $((2+11)+2)+9 = 24$
 11. $((2+11)+9)+2 = 24$
 12. $((2+11)+(2+9)) = 24$
 13. $((2+(2+9))+11) = 24$
 14. $(2+((2+9)+11)) = 24$
 15. $((2+(2+11))+9) = 24$
 16. $(2+((2+11)+9)) = 24$
 17. $((2+2)+(9+11)) = 24$
 18. $((2*2)+(9+11)) = 24$
 19. $((2+(9+11))+2) = 24$
 20. $(2+(2+(9+11))) = 24$

522. [2, 2, 9, 12]

1. $((2+2)*9)-12 = 24$
 2. $((2*2)*9)-12 = 24$
 3. $((2*9)*2)-12 = 24$
 4. $((2*9)+(12/2)) = 24$
 5. $((12/2)+(2*9)) = 24$
 6. $((2*(2*9))-12) = 24$

523. [2, 2, 9, 13]

无解

524. [2, 2, 10, 10]

1. $((2+2)+10)+10 = 24$
 2. $((2+2)+(10+10)) = 24$
 3. $((2*2)+10)+10 = 24$
 4. $((2*2)+(10+10)) = 24$
 5. $((2+10)+2)+10 = 24$
 6. $((2+10)+10)+2 = 24$
 7. $((2+10)+(2+10)) = 24$
 8. $((2+(2+10))+10) = 24$
 9. $(2+((2+10)+10)) = 24$
 10. $((2+(10+10))+2) = 24$
 11. $(2+(2+(10+10))) = 24$

525. [2, 2, 10, 11]

1. $((2*11)-10)*2 = 24$
 2. $(2*((2*11)-10)) = 24$

526. [2, 2, 10, 12]

无解

527. [2, 2, 10, 13]

1. $((2/2)+13)+10 = 24$
 2. $((2/2)+10)+13 = 24$
 3. $((2/2)+(13+10)) = 24$
 4. $((2/2)+(10+13)) = 24$

528. [2, 2, 11, 11]

1. $((2/11)+2)*11 = 24$
 2. $((2+(2/11))*11) = 24$

529. [2, 2, 11, 12]

1. $((2/2)+12)+11 = 24$
 2. $((2/2)+11)+12 = 24$
 3. $((2/2)+(12+11)) = 24$
 4. $((2/2)+(11+12)) = 24$

530. [2, 2, 11, 13]

1. $((2-2)+13)+11 = 24$
 2. $(11-((2-2)-13)) = 24$
 3. $((13-(2-2))+11) = 24$
 4. $((2-2)+11)+13 = 24$
 5. $(13-((2-2)-11)) = 24$
 6. $((11-(2-2))+13) = 24$
 7. $((2-2)+(13+11)) = 24$
 8. $((13+11)-(2-2)) = 24$
 9. $((2/2)*13)+11 = 24$
 10. $((13/(2/2))+11) = 24$
 11. $((2/2)*11)+13 = 24$
 12. $((11/(2/2))+13) = 24$
 13. $((2/2)*(13+11)) = 24$
 14. $((13+11)/(2/2)) = 24$
 15. $((2+11)-2)+13 = 24$
 16. $(13-(2-(2+11))) = 24$
 17. $((2+11)+13)-2 = 24$
 18. $((2+11)-(2-13)) = 24$
 19. $((2+11)+(13-2)) = 24$
 20. $(13-((2-11)-2)) = 24$
 21. $((2-(2-11))+13) = 24$
 22. $(2-((2-11)-13)) = 24$
 23. $((13-(2-11))+2) = 24$
 24. $((2+13)-(2-11)) = 24$
 25. $((11-2)+2)+13 = 24$
 26. $((11-2)+13)+2 = 24$
 27. $((11-2)+(2+13)) = 24$
 28. $((2*11)/2)+13 = 24$

29. $((2/(2/11))+13) = 24$

30. $((11/2)*2)+13 = 24$
 31. $((2+13)-2)+11 = 24$
 32. $(11-(2-(2+13))) = 24$
 33. $((2+13)+11)-2 = 24$
 34. $((2+13)+(11-2)) = 24$
 35. $(11-((2-13)-2)) = 24$
 36. $((2-(2-13))+11) = 24$
 37. $(2-((2-13)-11)) = 24$
 38. $((11-(2-13))+2) = 24$
 39. $((13-2)+2)+11 = 24$
 40. $((13-2)+11)+2 = 24$
 41. $((13-2)+(2+11)) = 24$
 42. $((2*13)/2)+11 = 24$
 43. $((2/(2/13))+11) = 24$
 44. $((13/2)*2)+11 = 24$
 45. $(2+(13-(2-11))) = 24$
 46. $((2+(11-2))+13) = 24$
 47. $(2+((11-2)+13)) = 24$
 48. $((2*(11/2))+13) = 24$
 49. $(2+(11-(2-13))) = 24$
 50. $((2+(13-2))+11) = 24$
 51. $(2+((13-2)+11)) = 24$
 52. $((2*(13/2))+11) = 24$
 53. $((2-2)+(11+13)) = 24$
 54. $((11+13)-(2-2)) = 24$
 55. $((2/2)*(11+13)) = 24$
 56. $((11+13)/(2/2)) = 24$
 57. $((2+(11+13))-2) = 24$
 58. $(2-(2-(11+13))) = 24$
 59. $((11+13)-2)+2 = 24$
 60. $((2*(11+13))/2) = 24$
 61. $(2/(2/(11+13))) = 24$
 62. $((11+13)/2)*2 = 24$
 63. $(2+((11+13)-2)) = 24$
 64. $(2*((11+13)/2)) = 24$

531. [2, 2, 12, 12]

1. $((2-2)+12)+12 = 24$
 2. $(12-((2-2)-12)) = 24$
 3. $((12-(2-2))+12) = 24$
 4. $((2-2)+(12+12)) = 24$
 5. $((12+12)-(2-2)) = 24$
 6. $((2/2)*12)+12 = 24$
 7. $((12/(2/2))+12) = 24$
 8. $((2/2)*(12+12)) = 24$
 9. $((12+12)/(2/2)) = 24$
 10. $((2+12)-2)+12 = 24$
 11. $(12-(2-(2+12))) = 24$

$$\begin{aligned}
12. & (((2+12)+12)-2) = 24 \\
13. & ((2+12)-(2-12)) = 24 \\
14. & ((2+12)+(12-2)) = 24 \\
15. & (12-((2-12)-2)) = 24 \\
16. & ((2-(2-12))+12) = 24 \\
17. & (2-((2-12)-12)) = 24 \\
18. & ((12-(2-12))+2) = 24 \\
19. & (((12-2)+2)+12) = 24 \\
20. & (((12-2)+12)+2) = 24 \\
21. & ((12-2)+(2+12)) = 24 \\
22. & (((2*12)/2)+12) = 24 \\
23. & (((2*12)-12)*2) = 24 \\
24. & ((2/(2/12))+12) = 24 \\
25. & (((12/2)*2)+12) = 24 \\
26. & (2+(12-(2-12))) = 24 \\
27. & ((2+(12-2))+12) = 24 \\
28. & (2+((12-2)+12)) = 24 \\
29. & (2*((2*12)-12)) = 24 \\
30. & ((2*(12/2))+12) = 24 \\
31. & ((2+(12+12))-2) = 24 \\
32. & (2-(2-(12+12))) = 24 \\
33. & (((12+12)-2)+2) = 24 \\
34. & ((2*(12+12))/2) = 24 \\
35. & (2/(2/(12+12))) = 24 \\
36. & (((12+12)/2)*2) = 24 \\
37. & (2+((12+12)-2)) = 24 \\
38. & (2*((12+12)/2)) = 24
\end{aligned}$$

$$532. [2, 2, 12, 13]$$

$$\begin{aligned}
1. & (12-((2/2)-13)) = 24 \\
2. & ((13-(2/2))+12) = 24 \\
3. & (13-((2/2)-12)) = 24 \\
4. & (((12-(2/2))+13) = 24 \\
5. & ((13+12)-(2/2)) = 24 \\
6. & ((12+13)-(2/2)) = 24
\end{aligned}$$

$$533. [2, 2, 13, 13]$$

$$1. ((2-(2/13))*13) = 24$$

$$534. [2, 3, 3, 3]$$

$$\begin{aligned}
1. & (((2+3)+3)*3) = 24 \\
2. & ((2+(3+3))*3) = 24 \\
3. & (2*((3*3)+3)) = 24 \\
4. & (2*(3+(3*3))) = 24
\end{aligned}$$

$$535. [2, 3, 3, 4]$$

无解

$$536. [2, 3, 3, 5]$$

$$\begin{aligned}
1. & (((2+5)*3)+3) = 24 \\
2. & (2*((3*5)-3)) = 24
\end{aligned}$$

$$537. [2, 3, 3, 6]$$

$$\begin{aligned}
1. & ((3-(2-3))*6) = 24 \\
2. & (((3-2)+3)*6) = 24 \\
3. & (((2*3)*3)+6) = 24 \\
4. & ((2*3)+(6*3)) = 24 \\
5. & ((2*3)+(3*6)) = 24 \\
6. & ((6-2)*(3+3)) = 24 \\
7. & (((3+3)-2)*6) = 24 \\
8. & (2*((3+3)+6)) = 24 \\
9. & ((2*(3*3))+6) = 24 \\
10. & (2*((3+6)+3)) = 24 \\
11. & (2*(3+(3+6))) = 24
\end{aligned}$$

$$538. [2, 3, 3, 7]$$

$$\begin{aligned}
1. & ((7-(2-3))*3) = 24 \\
2. & (((3-2)+7)*3) = 24 \\
3. & ((2*3)*(7-3)) = 24 \\
4. & (((2+7)*3)-3) = 24 \\
5. & ((3-(2-7))*3) = 24 \\
6. & (((7-2)+3)*3) = 24 \\
7. & (((3+7)-2)*3) = 24 \\
8. & ((2*(7-3))*3) = 24 \\
9. & (2*((7-3)*3)) = 24 \\
10. & (2*(3*(7-3))) = 24
\end{aligned}$$

$$539. [2, 3, 3, 8]$$

$$\begin{aligned}
1. & (((3-2)*8)*3) = 24 \\
2. & (3/((3-2)/8)) = 24 \\
3. & ((8/(3-2))*3) = 24 \\
4. & (((3-2)*3)*8) = 24 \\
5. & (8/((3-2)/3)) = 24 \\
6. & ((3/(3-2))*8) = 24 \\
7. & ((3-2)*(8*3)) = 24 \\
8. & ((8*3)/(3-2)) = 24 \\
9. & (((2*3)-3)*8) = 24 \\
10. & ((3-2)*(3*8)) = 24 \\
11. & ((3*8)/(3-2)) = 24 \\
12. & ((3+3)/(2/8)) = 24 \\
13. & ((8/2)*(3+3)) = 24 \\
14. & (8/(2/(3+3))) = 24 \\
15. & (((3+3)/2)*8) = 24 \\
16. & (((3+3)*8)/2) = 24 \\
17. & ((2+(3/3))*8) = 24
\end{aligned}$$

$$540. [2, 3, 3, 9]$$

$$1. (((2+3)*3)+9) = 24$$

$$\begin{aligned}
2. & (((2-3)+9)*3) = 24 \\
3. & ((9-(3-2))*3) = 24 \\
4. & (((2+9)-3)*3) = 24 \\
5. & (3-((2-9)*3)) = 24 \\
6. & (((9-2)*3)+3) = 24 \\
7. & (((2*9)+3)+3) = 24 \\
8. & ((2*9)+(3+3)) = 24 \\
9. & ((2-(3-9))*3) = 24 \\
10. & ((2+(9-3))*3) = 24
\end{aligned}$$

$$541. [2, 3, 3, 10]$$

$$\begin{aligned}
1. & ((10*3)-(2*3)) = 24 \\
2. & ((3*10)-(2*3)) = 24 \\
3. & (((10/2)+3)*3) = 24
\end{aligned}$$

$$542. [2, 3, 3, 11]$$

$$\begin{aligned}
1. & (((11-2)*3)-3) = 24 \\
2. & (2*((3/3)+11)) = 24
\end{aligned}$$

$$543. [2, 3, 3, 12]$$

$$\begin{aligned}
1. & (((2+3)-3)*12) = 24 \\
2. & (((2-3)+3)*12) = 24 \\
3. & ((3-(3-2))*12) = 24 \\
4. & (((2*3)*12)/3) = 24 \\
5. & (((2*3)/3)*12) = 24 \\
6. & (12/(3/(2*3))) = 24 \\
7. & ((2*3)*(12/3)) = 24 \\
8. & ((2*3)/(3/12)) = 24 \\
9. & (((2/3)*12)*3) = 24 \\
10. & (((2/3)*3)*12) = 24 \\
11. & ((2/3)*(12*3)) = 24 \\
12. & (3/((3/2)/12)) = 24 \\
13. & ((12/(3/2))*3) = 24 \\
14. & (12/((3/2)/3)) = 24 \\
15. & ((3/(3/2))*12) = 24 \\
16. & ((12*3)/(3/2)) = 24 \\
17. & ((2/3)*(3*12)) = 24 \\
18. & ((3*12)/(3/2)) = 24 \\
19. & (((2*12)+3)-3) = 24 \\
20. & (((2*12)-3)+3) = 24 \\
21. & (3-(3-(2*12))) = 24 \\
22. & (((2*12)*3)/3) = 24 \\
23. & (((2*12)/3)*3) = 24 \\
24. & (3/(3/(2*12))) = 24 \\
25. & ((2*12)+(3-3)) = 24 \\
26. & ((2*12)-(3-3)) = 24 \\
27. & ((2*12)*(3/3)) = 24 \\
28. & ((2*12)/(3/3)) = 24 \\
29. & ((2*(3+3))+12) = 24
\end{aligned}$$

$$\begin{aligned}
30. & ((2+(3-3))*12) = 24 \\
31. & ((2-(3-3))*12) = 24 \\
32. & (2*((3-3)+12)) = 24 \\
33. & (2*(12-(3-3))) = 24 \\
34. & ((2*(3/3))*12) = 24 \\
35. & ((2/(3/3))*12) = 24 \\
36. & (12/((3/3)/2)) = 24 \\
37. & (2*((3/3)*12)) = 24 \\
38. & (2/((3/3)/12)) = 24 \\
39. & (2*(12/(3/3))) = 24 \\
40. & (2*((3+12)-3)) = 24 \\
41. & (2*(3-(3-12))) = 24 \\
42. & (2*((12-3)+3)) = 24 \\
43. & ((2*(3*12))/3) = 24 \\
44. & (2*((3*12)/3)) = 24 \\
45. & (2/(3/(3*12))) = 24 \\
46. & ((2/(3/12))*3) = 24 \\
47. & (3/((3/12)/2)) = 24 \\
48. & (2/((3/12)/3)) = 24 \\
49. & (2*(3/(3/12))) = 24 \\
50. & ((2*(12/3))*3) = 24 \\
51. & (2*((12/3)*3)) = 24 \\
52. & (2*(3+(12-3))) = 24 \\
53. & (2*(3*(12/3))) = 24
\end{aligned}$$

$$544. [2, 3, 3, 13]$$

$$\begin{aligned}
1. & ((13-(2+3))*3) = 24 \\
2. & ((13+3)/(2/3)) = 24 \\
3. & ((3/2)*(13+3)) = 24 \\
4. & ((3+13)/(2/3)) = 24 \\
5. & ((3/2)*(3+13)) = 24 \\
6. & ((2+13)+(3*3)) = 24 \\
7. & (((13-2)-3)*3) = 24 \\
8. & ((2+(3*3))+13) = 24 \\
9. & (2+((3*3)+13)) = 24 \\
10. & (2*(13-(3/3))) = 24 \\
11. & (3/(2/(3+13))) = 24 \\
12. & (((3+13)/2)*3) = 24 \\
13. & (((3+13)*3)/2) = 24 \\
14. & (((13-3)-2)*3) = 24 \\
15. & ((3*(3+13))/2) = 24
\end{aligned}$$

$$545. [2, 3, 4, 4]$$

$$\begin{aligned}
1. & (((2+3)*4)+4) = 24 \\
2. & (4/((2/3)/4)) = 24 \\
3. & ((4/(2/3))*4) = 24 \\
4. & ((4*4)/(2/3)) = 24 \\
5. & (((3/2)*4)*4) = 24 \\
6. & ((3/2)*(4*4)) = 24
\end{aligned}$$

$$\begin{aligned}
7. & (((4-2)*3)*4) = 24 \\
8. & (((4-2)*4)*3) = 24 \\
9. & ((4-2)*(3*4)) = 24 \\
10. & (4/((2/4)/3)) = 24 \\
11. & ((3/(2/4))*4) = 24 \\
12. & (3/((2/4)/4)) = 24 \\
13. & ((4/(2/4))*3) = 24 \\
14. & ((3*4)/(2/4)) = 24 \\
15. & (((4/2)*3)*4) = 24 \\
16. & (((4/2)*4)*3) = 24 \\
17. & ((4/2)*(3*4)) = 24 \\
18. & (4/(2/(3*4))) = 24 \\
19. & (((3*4)/2)*4) = 24 \\
20. & (((3*4)*4)/2) = 24 \\
21. & (3/(2/(4*4))) = 24 \\
22. & (((4*4)/2)*3) = 24 \\
23. & ((3*(4*4))/2) = 24
\end{aligned}$$

546. [2, 3, 4, 5]

$$\begin{aligned}
1. & ((5-(2-3))*4) = 24 \\
2. & (((3-2)+5)*4) = 24 \\
3. & ((3-(2-5))*4) = 24 \\
4. & (((5-2)+3)*4) = 24 \\
5. & (2*((3+4)+5)) = 24 \\
6. & (((3+5)-2)*4) = 24 \\
7. & (2*((3+5)+4)) = 24 \\
8. & (2*(3+(4+5))) = 24
\end{aligned}$$

547. [2, 3, 4, 6]

$$\begin{aligned}
1. & (((3-2)*6)*4) = 24 \\
2. & (4/((3-2)/6)) = 24 \\
3. & ((6/(3-2))*4) = 24 \\
4. & (((3-2)*4)*6) = 24 \\
5. & (6/((3-2)/4)) = 24 \\
6. & ((4/(3-2))*6) = 24 \\
7. & ((3-2)*(6*4)) = 24 \\
8. & ((6*4)/(3-2)) = 24 \\
9. & (((2+4)*3)+6) = 24 \\
10. & ((2+4)+(3*6)) = 24 \\
11. & ((6-(2-4))*3) = 24 \\
12. & (((4-2)+6)*3) = 24 \\
13. & ((2*4)*(6-3)) = 24 \\
14. & (((4/2)+6)*3) = 24 \\
15. & ((4-(2-6))*3) = 24 \\
16. & (((6-2)+4)*3) = 24 \\
17. & (((2*6)-4)*3) = 24 \\
18. & ((2*6)+(3*4)) = 24 \\
19. & (((6/2)+3)*4) = 24 \\
20. & ((2*(6-3))*4) = 24
\end{aligned}$$

$$\begin{aligned}
21. & (2*((6-3)*4)) = 24 \\
22. & ((2+(3*6))+4) = 24 \\
23. & (2+((3*6)+4)) = 24 \\
24. & (((4+6)-2)*3) = 24 \\
25. & ((3-2)*(4*6)) = 24 \\
26. & ((4*6)/(3-2)) = 24
\end{aligned}$$

548. [2, 3, 4, 7]

$$\begin{aligned}
1. & (((2-3)+7)*4) = 24 \\
2. & ((7-(3-2))*4) = 24 \\
3. & ((2+4)*(7-3)) = 24 \\
4. & (((2+7)-3)*4) = 24 \\
5. & ((2*(3+7))+4) = 24 \\
6. & ((2-(3-7))*4) = 24 \\
7. & ((2+(7-3))*4) = 24
\end{aligned}$$

549. [2, 3, 4, 8]

$$\begin{aligned}
1. & (((2-3)+4)*8) = 24 \\
2. & ((4-(3-2))*8) = 24 \\
3. & ((2*3)*(8-4)) = 24 \\
4. & (((2+4)-3)*8) = 24 \\
5. & (((8/2)+4)*3) = 24 \\
6. & ((2-(3-4))*8) = 24 \\
7. & ((2+(4-3))*8) = 24 \\
8. & ((2*(8-4))*3) = 24 \\
9. & (2*(3*(8-4))) = 24
\end{aligned}$$

550. [2, 3, 4, 9]

$$\begin{aligned}
1. & (((2/3)*9)*4) = 24 \\
2. & (((2/3)*4)*9) = 24 \\
3. & ((2/3)*(9*4)) = 24 \\
4. & (4/((3/2)/9)) = 24 \\
5. & ((9/(3/2))*4) = 24 \\
6. & (9/((3/2)/4)) = 24 \\
7. & ((4/(3/2))*9) = 24 \\
8. & ((9*4)/(3/2)) = 24 \\
9. & ((4-2)*(3+9)) = 24 \\
10. & (((2*4)/3)*9) = 24 \\
11. & (9/(3/(2*4))) = 24 \\
12. & (((2*4)*9)/3) = 24 \\
13. & ((2*4)/(3/9)) = 24 \\
14. & ((2*4)*(9/3)) = 24 \\
15. & ((3+9)/(2/4)) = 24 \\
16. & ((4/2)*(3+9)) = 24 \\
17. & (((2*9)/3)*4) = 24 \\
18. & (4/(3/(2*9))) = 24 \\
19. & (((2*9)*4)/3) = 24 \\
20. & ((2*9)/(3/4)) = 24 \\
21. & ((2*9)*(4/3)) = 24
\end{aligned}$$

$$\begin{aligned}
22. & ((2/(3/4))*9) = 24 \\
23. & (9/((3/4)/2)) = 24 \\
24. & (2/((3/4)/9)) = 24 \\
25. & (2*(9/(3/4))) = 24 \\
26. & ((2*(4/3))*9) = 24 \\
27. & (2*((4/3)*9)) = 24 \\
28. & (4/(2/(3+9))) = 24 \\
29. & (((3+9)/2)*4) = 24 \\
30. & (((3+9)*4)/2) = 24 \\
31. & ((2/(3/9))*4) = 24 \\
32. & (4/((3/9)/2)) = 24 \\
33. & (2/((3/9)/4)) = 24 \\
34. & (2*(4/(3/9))) = 24 \\
35. & ((2*(9/3))*4) = 24 \\
36. & (2*((9/3)*4)) = 24 \\
37. & ((2/3)*(4*9)) = 24 \\
38. & ((4*9)/(3/2)) = 24 \\
39. & ((2*(4*9))/3) = 24 \\
40. & (2/(3/(4*9))) = 24 \\
41. & (2*((4*9)/3)) = 24
\end{aligned}$$

551. [2, 3, 4, 10]

$$\begin{aligned}
1. & ((3*10)-(2+4)) = 24 \\
2. & (((2-4)+10)*3) = 24 \\
3. & ((10-(4-2))*3) = 24 \\
4. & ((10-(4/2))*3) = 24 \\
5. & (((2+10)-4)*3) = 24 \\
6. & ((2+10)+(3*4)) = 24 \\
7. & ((2*(3+4))+10) = 24 \\
8. & ((2+(3*4))+10) = 24 \\
9. & (2+((3*4)+10)) = 24 \\
10. & (((3*10)-2)-4) = 24 \\
11. & (((3*10)-4)-2) = 24 \\
12. & ((2-(4-10))*3) = 24 \\
13. & ((2+(10-4))*3) = 24
\end{aligned}$$

552. [2, 3, 4, 11]

$$\begin{aligned}
1. & ((11-(2+3))*4) = 24 \\
2. & (((11-2)-3)*4) = 24 \\
3. & (2*(11-(3-4))) = 24 \\
4. & (2*((4-3)+11)) = 24 \\
5. & ((2*(3+11))-4) = 24 \\
6. & (2*(4-(3-11))) = 24 \\
7. & (((11-3)-2)*4) = 24 \\
8. & (2*((11-3)+4)) = 24 \\
9. & (2*((4+11)-3)) = 24
\end{aligned}$$

553. [2, 3, 4, 12]

$$1. ((12-(2*3))*4) = 24$$

$$\begin{aligned}
2. & (((2*3)-4)*12) = 24 \\
3. & ((12+4)/(2/3)) = 24 \\
4. & ((3/2)*(12+4)) = 24 \\
5. & (((2+4)/3)*12) = 24 \\
6. & (12/(3/(2+4))) = 24 \\
7. & (((2+4)*12)/3) = 24 \\
8. & ((2+4)/(3/12)) = 24 \\
9. & ((2+4)*(12/3)) = 24 \\
10. & ((2*12)*(4-3)) = 24 \\
11. & ((2*12)/(4-3)) = 24 \\
12. & ((2*(4-3))*12) = 24 \\
13. & ((2/(4-3))*12) = 24 \\
14. & (12/((4-3)/2)) = 24 \\
15. & (2*((4-3)*12)) = 24 \\
16. & (2/((4-3)/12)) = 24 \\
17. & (2*(12/(4-3))) = 24 \\
18. & ((2+(12/3))*4) = 24 \\
19. & ((4+12)/(2/3)) = 24 \\
20. & ((3/2)*(4+12)) = 24 \\
21. & (3/(2/(4+12))) = 24 \\
22. & (((4+12)/2)*3) = 24 \\
23. & ((3*(4+12))/2) = 24
\end{aligned}$$

554. [2, 3, 4, 13]

$$\begin{aligned}
1. & (((2*4)+3)+13) = 24 \\
2. & (((2*4)+13)+3) = 24 \\
3. & ((2*4)+(3+13)) = 24 \\
4. & (2*((3-4)+13)) = 24 \\
5. & (2*(13-(4-3))) = 24 \\
6. & (2*((3+13)-4)) = 24 \\
7. & (4-(2*(3-13))) = 24 \\
8. & ((2*(13-3))+4) = 24 \\
9. & (2*(3-(4-13))) = 24 \\
10. & (2*(3+(13-4))) = 24
\end{aligned}$$

555. [2, 3, 5, 5]

$$\begin{aligned}
1. & ((2-3)+(5*5)) = 24 \\
2. & ((5*5)-(3-2)) = 24 \\
3. & ((5-(2-5))*3) = 24 \\
4. & (((5-2)+5)*3) = 24 \\
5. & ((5-2)*(3+5)) = 24 \\
6. & (((5+5)-2)*3) = 24 \\
7. & ((2+(5*5))-3) = 24 \\
8. & (2-(3-(5*5))) = 24 \\
9. & (2+((5*5)-3)) = 24
\end{aligned}$$

556. [2, 3, 5, 6]

$$\begin{aligned}
1. & (((2-3)+5)*6) = 24 \\
2. & ((5-(3-2))*6) = 24
\end{aligned}$$

$$\begin{aligned}
3. & (((2*3)*5)-6) = 24 \\
4. & ((6*5)-(2*3)) = 24 \\
5. & (((2+5)-3)*6) = 24 \\
6. & (((2*5)*3)-6) = 24 \\
7. & ((2*6)*(5-3)) = 24 \\
8. & ((3+5)/(2/6)) = 24 \\
9. & (((6/2)+5)*3) = 24 \\
10. & ((6/2)*(3+5)) = 24 \\
11. & (6/(2/(3+5))) = 24 \\
12. & (((3+5)/2)*6) = 24 \\
13. & (((3+5)*6)/2) = 24 \\
14. & ((2-(3-5))*6) = 24 \\
15. & ((2+(5-3))*6) = 24 \\
16. & ((2*(5-3))*6) = 24 \\
17. & (2*((5-3)*6)) = 24 \\
18. & ((2*(3*5))-6) = 24 \\
19. & ((5*6)-(2*3)) = 24
\end{aligned}$$

557. [2, 3, 5, 7]

$$\begin{aligned}
1. & (3-((2-5)*7)) = 24 \\
2. & ((3*7)-(2-5)) = 24 \\
3. & (((5-2)*7)+3) = 24 \\
4. & ((5-2)+(3*7)) = 24 \\
5. & ((2+7)+(3*5)) = 24 \\
6. & ((2+(3*5))+7) = 24 \\
7. & (2+((3*5)+7)) = 24 \\
8. & (5-(2-(3*7))) = 24 \\
9. & (((3*7)-2)+5) = 24 \\
10. & (((3*7)+5)-2) = 24
\end{aligned}$$

558. [2, 3, 5, 8]

$$\begin{aligned}
1. & (((2*8)+3)+5) = 24 \\
2. & (((2*8)+5)+3) = 24 \\
3. & ((2*8)+(3+5)) = 24 \\
4. & ((2*(3+5))+8) = 24 \\
5. & (8/(2-(5/3))) = 24
\end{aligned}$$

559. [2, 3, 5, 9]

$$\begin{aligned}
1. & ((2*3)*(9-5)) = 24 \\
2. & ((2-5)+(3*9)) = 24 \\
3. & (((5-2)*9)-3) = 24 \\
4. & ((3*9)-(5-2)) = 24 \\
5. & ((2+(3*9))-5) = 24 \\
6. & (2+((3*9)-5)) = 24 \\
7. & (2-(5-(3*9))) = 24 \\
8. & ((2*(9-5))*3) = 24 \\
9. & (2*(3*(9-5))) = 24 \\
10. & ((3+(5*9))/2) = 24
\end{aligned}$$

560. [2, 3, 5, 10]

$$\begin{aligned}
1. & ((2+10)*(5-3)) = 24 \\
2. & (2*(10-(3-5))) = 24 \\
3. & (2*((5-3)+10)) = 24 \\
4. & (2*(5-(3-10))) = 24 \\
5. & (2*((10-3)+5)) = 24 \\
6. & (2*((5+10)-3)) = 24
\end{aligned}$$

561. [2, 3, 5, 11]

$$\begin{aligned}
1. & ((11+5)/(2/3)) = 24 \\
2. & ((3/2)*(11+5)) = 24 \\
3. & (((2-5)+11)*3) = 24 \\
4. & ((2-5)*(3-11)) = 24 \\
5. & ((11-(5-2))*3) = 24 \\
6. & ((5-2)*(11-3)) = 24 \\
7. & (((2*5)+3)+11) = 24 \\
8. & (((2*5)+11)+3) = 24 \\
9. & ((2*5)+(3+11)) = 24 \\
10. & (((2+11)-5)*3) = 24 \\
11. & ((3*5)-(2-11)) = 24 \\
12. & ((11-2)+(3*5)) = 24 \\
13. & (((2*11)-3)+5) = 24 \\
14. & (5-(3-(2*11))) = 24 \\
15. & (((2*11)+5)-3) = 24 \\
16. & ((2*11)-(3-5)) = 24 \\
17. & ((2*11)+(5-3)) = 24 \\
18. & (2-((3-5)*11)) = 24 \\
19. & (2+((5-3)*11)) = 24 \\
20. & (11-(2-(3*5))) = 24 \\
21. & (((3*5)-2)+11) = 24 \\
22. & (((3*5)+11)-2) = 24 \\
23. & ((5+11)/(2/3)) = 24 \\
24. & ((3/2)*(5+11)) = 24 \\
25. & (3/(2/(5+11))) = 24 \\
26. & (((5+11)/2)*3) = 24 \\
27. & ((3*(5+11))/2) = 24 \\
28. & ((2-(5-11))*3) = 24 \\
29. & ((2+(11-5))*3) = 24
\end{aligned}$$

562. [2, 3, 5, 12]

$$1. (12/(3-(5/2))) = 24$$

563. [2, 3, 5, 13]

$$\begin{aligned}
1. & (((2*3)+13)+5) = 24 \\
2. & (((2*3)+5)+13) = 24 \\
3. & ((2*3)+(13+5)) = 24 \\
4. & (((2*13)+3)-5) = 24 \\
5. & (((2*13)-5)+3) = 24 \\
6. & (3-(5-(2*13))) = 24
\end{aligned}$$

7. ((2*13)+(3-5)) = 24

$$\begin{aligned}
8. & ((2*13)-(5-3)) = 24 \\
9. & (((5-3)*13)-2) = 24 \\
10. & ((2*3)+(5+13)) = 24
\end{aligned}$$

564. [2, 3, 6, 6]

$$\begin{aligned}
1. & (((2+3)*6)-6) = 24 \\
2. & (((2/3)*6)*6) = 24 \\
3. & ((2/3)*(6*6)) = 24 \\
4. & (6/((3/2)/6)) = 24 \\
5. & ((6/(3/2))*6) = 24 \\
6. & ((6*6)/(3/2)) = 24 \\
7. & ((2+6)*(6-3)) = 24 \\
8. & (((2*6)/3)*6) = 24 \\
9. & (6/(3/(2*6))) = 24 \\
10. & (((2*6)*6)/3) = 24 \\
11. & ((2*6)/(3/6)) = 24 \\
12. & ((2*6)*(6/3)) = 24 \\
13. & ((2*(3+6))+6) = 24 \\
14. & (2*((3*6)-6)) = 24 \\
15. & ((2/(3/6))*6) = 24 \\
16. & (6/((3/6)/2)) = 24 \\
17. & (2/((3/6)/6)) = 24 \\
18. & (2*(6/(3/6))) = 24 \\
19. & ((2+(6/3))*6) = 24 \\
20. & ((2*(6/3))*6) = 24 \\
21. & (2*((6/3)*6)) = 24 \\
22. & ((2*(6*6))/3) = 24 \\
23. & (2/(3/(6*6))) = 24 \\
24. & (2*((6*6)/3)) = 24
\end{aligned}$$

565. [2, 3, 6, 7]

$$\begin{aligned}
1. & ((7/(2/6))+3) = 24 \\
2. & (((6/2)*7)+3) = 24 \\
3. & ((6/2)+(3*7)) = 24 \\
4. & (((2*7)-6)*3) = 24 \\
5. & ((6/(2/7))+3) = 24 \\
6. & (((7/2)*6)+3) = 24 \\
7. & (((6*7)/2)+3) = 24
\end{aligned}$$

566. [2, 3, 6, 8]

$$\begin{aligned}
1. & (((2+8)*3)-6) = 24 \\
2. & (6-((2-8)*3)) = 24 \\
3. & ((3*6)-(2-8)) = 24 \\
4. & (((8-2)*3)+6) = 24 \\
5. & ((8-2)+(3*6)) = 24 \\
6. & (8-(2-(3*6))) = 24 \\
7. & (((3*6)-2)+8) = 24 \\
8. & (((3*6)+8)-2) = 24
\end{aligned}$$

567. [2, 3, 6, 9]

$$\begin{aligned}
1. & ((9-(2+3))*6) = 24 \\
2. & (((2+6)/3)*9) = 24 \\
3. & (9/(3/(2+6))) = 24 \\
4. & (((2+6)*9)/3) = 24 \\
5. & ((2+6)/(3/9)) = 24 \\
6. & ((2+6)*(9/3)) = 24 \\
7. & ((2-6)*(3-9)) = 24 \\
8. & ((6-2)*(9-3)) = 24 \\
9. & (((2*6)+3)+9) = 24 \\
10. & (((2*6)+9)+3) = 24 \\
11. & ((2*6)+(3+9)) = 24 \\
12. & ((3-(2/6))*9) = 24 \\
13. & ((9/(2/6))-3) = 24 \\
14. & (((6/2)*9)-3) = 24 \\
15. & ((3*9)-(6/2)) = 24 \\
16. & (((9-2)-3)*6) = 24 \\
17. & ((6/(2/9))-3) = 24 \\
18. & (((9/2)*6)-3) = 24 \\
19. & (2*(9-(3-6))) = 24 \\
20. & (2*((6-3)+9)) = 24 \\
21. & (2*(6-(3-9))) = 24 \\
22. & (((9-3)-2)*6) = 24 \\
23. & (2*((9-3)+6)) = 24 \\
24. & (2*((6+9)-3)) = 24 \\
25. & (((6*9)/2)-3) = 24
\end{aligned}$$

568. [2, 3, 6, 10]

$$\begin{aligned}
1. & ((10-(2*3))*6) = 24 \\
2. & ((2*3)*(10-6)) = 24 \\
3. & ((10+6)/(2/3)) = 24 \\
4. & ((3/2)*(10+6)) = 24 \\
5. & (((2+10)/3)*6) = 24 \\
6. & (6/(3/(2+10))) = 24 \\
7. & (((2+10)*6)/3) = 24 \\
8. & ((2+10)/(3/6)) = 24 \\
9. & ((2+10)*(6/3)) = 24 \\
10. & ((2-10)*(3-6)) = 24 \\
11. & ((10-2)*(6-3)) = 24 \\
12. & (2*((6/3)+10)) = 24 \\
13. & ((6+10)/(2/3)) = 24 \\
14. & ((3/2)*(6+10)) = 24 \\
15. & (3/(2/(6+10))) = 24 \\
16. & (((6+10)/2)*3) = 24 \\
17. & ((3*(6+10))/2) = 24 \\
18. & ((2*(10-6))*3) = 24 \\
19. & (2*(3*(10-6))) = 24
\end{aligned}$$

569. [2, 3, 6, 11]

1. $((11-3)/(2/6)) = 24$
2. $((11-(6/2))*3) = 24$
3. $((6/2)*(11-3)) = 24$
4. $((2*11)+(6/3)) = 24$
5. $(2+(11/(3/6))) = 24$
6. $(2+((6/3)*11)) = 24$
7. $(6/(2/(11-3))) = 24$
8. $((11-3)/2*6) = 24$
9. $((11-3)*6)/2 = 24$
10. $(2+(6/(3/11))) = 24$
11. $(2+((11/3)*6)) = 24$
12. $(2+((6*11)/3)) = 24$

570. [2, 3, 6, 12]

1. $((2*3)+12)+6 = 24$
2. $((2*3)+6)+12 = 24$
3. $((2*3)*6)-12 = 24$
4. $((2*3)+(12+6)) = 24$
5. $((12/(2/3))+6) = 24$
6. $((3/2)*12)+6 = 24$
7. $(12-((2-6)*3)) = 24$
8. $((2-6)+12)*3 = 24$
9. $((6-2)*3)+12 = 24$
10. $((12-(6-2))*3) = 24$
11. $((2*6)*3)-12 = 24$
12. $((3*12)-(2*6)) = 24$
13. $((2+12)-6)*3 = 24$
14. $((12-2)*3)-6 = 24$
15. $((3/(2/12))+6) = 24$
16. $((12/2)*3)+6 = 24$
17. $((12/2)+(3*6)) = 24$
18. $((2*(3*6))-12) = 24$
19. $((2*(3+12))-6) = 24$
20. $(6-(2*(3-12))) = 24$
21. $((2*(12-3))+6) = 24$
22. $((3*12)/2)+6 = 24$
23. $((2*3)+(6+12)) = 24$
24. $((2-(6-12))*3) = 24$
25. $((2+(12-6))*3) = 24$

571. [2, 3, 6, 13]

1. $((2+3)+13)+6 = 24$
2. $((2+3)+6)+13 = 24$
3. $((2+3)+(13+6)) = 24$
4. $((2+6)+3)+13 = 24$
5. $((2+6)+13)+3 = 24$
6. $((2+6)+(3+13)) = 24$
7. $((2+13)+3)+6 = 24$

8. $((2+13)+6)+3 = 24$

9. $((2+13)+(3+6)) = 24$
10. $((2*13)-(6/3)) = 24$
11. $((2+(3+6))+13) = 24$
12. $(2+((3+6)+13)) = 24$
13. $((13/(3/6))-2) = 24$
14. $((6/3)*13)-2 = 24$
15. $((2+(3+13))+6) = 24$
16. $(2+((3+13)+6)) = 24$
17. $((6/(3/13))-2) = 24$
18. $((13/3)*6)-2 = 24$
19. $((2+3)+(6+13)) = 24$
20. $((2+(6+13))+3) = 24$
21. $(2+(3+(6+13))) = 24$
22. $((6*13)/3)-2 = 24$

572. [2, 3, 7, 7]

1. $((2*7)+3)+7 = 24$
2. $((2*7)+7)+3 = 24$
3. $((2*7)+(3+7)) = 24$

573. [2, 3, 7, 8]

1. $((2+7)/3)*8 = 24$
2. $(8/(3/(2+7))) = 24$
3. $((2+7)*8)/3 = 24$
4. $((2+7)/(3/8)) = 24$
5. $((2+7)*(8/3)) = 24$
6. $((2-8)*(3-7)) = 24$
7. $((8-2)*(7-3)) = 24$
8. $(2*(8-(3-7))) = 24$
9. $(2*((7-3)+8)) = 24$
10. $(8/((7/3)-2)) = 24$
11. $(2*(7-(3/8))) = 24$
12. $(2*((8-3)+7)) = 24$
13. $(2*((7+8)-3)) = 24$

574. [2, 3, 7, 9]

1. $((9+7)/(2/3)) = 24$
2. $((3/2)*(9+7)) = 24$
3. $(9-((2-7)*3)) = 24$
4. $((7-2)*3)+9 = 24$
5. $(2*((3*7)-9)) = 24$
6. $((7+9)/(2/3)) = 24$
7. $((3/2)*(7+9)) = 24$
8. $(3/(2/(7+9))) = 24$
9. $((7+9)/2)*3 = 24$
10. $((3*(7+9))/2) = 24$

575. [2, 3, 7, 10]

1. $((2*10)-3)+7 = 24$

2. $(7-(3-(2*10))) = 24$
3. $((2*10)+7)-3 = 24$
4. $((2*10)-(3-7)) = 24$
5. $((2*10)+(7-3)) = 24$
6. $((2+(7*10))/3) = 24$

576. [2, 3, 7, 11]

1. $((2+3)*7)-11 = 24$
2. $((2*3)+11)+7 = 24$
3. $((2*3)+7)+11 = 24$
4. $((2*3)+(11+7)) = 24$
5. $((2*3)*(11-7)) = 24$
6. $((3*11)-(2+7)) = 24$
7. $((3*11)-2)-7 = 24$
8. $((3*11)-7)-2 = 24$
9. $((2*3)+(7+11)) = 24$
10. $((2*(11-7))*3) = 24$
11. $(2*(3*(11-7))) = 24$

577. [2, 3, 7, 12]

1. $((2+3)+12)+7 = 24$
2. $((2+3)+7)+12 = 24$
3. $((7-(2+3))*12) = 24$
4. $((2+3)+(12+7)) = 24$
5. $((2+7)+3)+12 = 24$
6. $((2+7)+12)+3 = 24$
7. $((2+7)+(3+12)) = 24$
8. $((7-2)-3)*12 = 24$
9. $(12/((7/2)-3)) = 24$
10. $((2+12)+3)+7 = 24$
11. $((2+12)+7)+3 = 24$
12. $((2+12)+(3+7)) = 24$
13. $((7-3)/(2/12)) = 24$
14. $((12/2)*(7-3)) = 24$
15. $((2+(3+7))+12) = 24$
16. $(2+((3+7)+12)) = 24$
17. $((7-3)-2)*12 = 24$
18. $(12/(2/(7-3))) = 24$
19. $((7-3)/2)*12 = 24$
20. $((7-3)*12)/2 = 24$
21. $((2+(3+12))+7) = 24$
22. $(2+((3+12)+7)) = 24$
23. $((2+3)+(7+12)) = 24$
24. $((2+(7+12))+3) = 24$
25. $(2+(3+(7+12))) = 24$

578. [2, 3, 7, 13]

1. $((2-7)+13)*3 = 24$

2. $((13-(7-2))*3) = 24$

3. $((2*7)-3)+13 = 24$
4. $(13-(3-(2*7))) = 24$
5. $((2*7)+13)-3 = 24$
6. $((2*7)-(3-13)) = 24$
7. $((2*7)+(13-3)) = 24$
8. $((2+13)-7)*3 = 24$
9. $((2-(7-13))*3) = 24$
10. $((2+(13-7))*3) = 24$

579. [2, 3, 8, 8]

1. $((8-(2+3))*8) = 24$
2. $((8+8)/(2/3)) = 24$
3. $((3/2)*(8+8)) = 24$
4. $((8-2)-3)*8 = 24$
5. $((2*8)-8)*3 = 24$
6. $((8-3)-2)*8 = 24$
7. $(3/(2/(8+8))) = 24$
8. $((8+8)/2)*3 = 24$
9. $((3*(8+8))/2) = 24$

580. [2, 3, 8, 9]

1. $((9-(2*3))*8) = 24$
2. $((9-3)/(2/8)) = 24$
3. $((8/2)*(9-3)) = 24$
4. $(8/(2/(9-3))) = 24$
5. $((9-3)/2)*8 = 24$
6. $((9-3)*8)/2 = 24$

581. [2, 3, 8, 10]

1. $((2*3)+10)+8 = 24$
2. $((2*3)+8)+10 = 24$
3. $((2*3)+(10+8)) = 24$
4. $((2-8)+(3*10)) = 24$
5. $((3*10)-(8-2)) = 24$
6. $((2+(3*10))-8) = 24$
7. $(2+((3*10)-8)) = 24$
8. $(2-(8-(3*10))) = 24$
9. $((2*3)+(8+10)) = 24$

582. [2, 3, 8, 11]

1. $((2+3)+11)+8 = 24$
2. $((2+3)+8)+11 = 24$
3. $((2+3)+(11+8)) = 24$
4. $((2+8)+3)+11 = 24$
5. $((2+8)+11)+3 = 24$
6. $((2+8)+(3+11)) = 24$
7. $((2*8)-3)+11 = 24$
8. $(11-(3-(2*8))) = 24$

$$\begin{aligned}
&9. (((2*8)+11)-3) = 24 \\
&10. ((2*8)-(3-11)) = 24 \\
&11. ((2*8)+(11-3)) = 24 \\
&12. (((2+11)+3)+8) = 24 \\
&13. (((2+11)+8)+3) = 24 \\
&14. ((2+11)+(3+8)) = 24 \\
&15. (((11-2)/3)*8) = 24 \\
&16. (8/(3/(11-2))) = 24 \\
&17. (((11-2)*8)/3) = 24 \\
&18. ((11-2)/(3/8)) = 24 \\
&19. ((11-2)*(8/3)) = 24 \\
&20. ((2+(3+8))+11) = 24 \\
&21. (2+((3+8)+11)) = 24 \\
&22. ((2+(3+11))+8) = 24 \\
&23. (2+((3+11)+8)) = 24 \\
&24. (8-(2*(3-11))) = 24 \\
&25. ((2*(11-3))+8) = 24 \\
&26. ((2+3)+(8+11)) = 24 \\
&27. ((2+(8+11))+3) = 24 \\
&28. (2+(3+(8+11))) = 24
\end{aligned}$$

583. [2, 3, 8, 12]

$$\begin{aligned}
&1. ((8-(2*3))*12) = 24 \\
&2. ((2*3)*(12-8)) = 24 \\
&3. ((8/(2/3))+12) = 24 \\
&4. (((3/2)*8)+12) = 24 \\
&5. (((8-2)/3)*12) = 24 \\
&6. (12/(3/(8-2))) = 24 \\
&7. (((8-2)*12)/3) = 24 \\
&8. ((8-2)/(3/12)) = 24 \\
&9. ((8-2)*(12/3)) = 24 \\
&10. ((3/(2/8))+12) = 24 \\
&11. (((8/2)*3)+12) = 24 \\
&12. ((12-(8/2))*3) = 24 \\
&13. (((12/2)-3)*8) = 24 \\
&14. (((3*8)/2)+12) = 24 \\
&15. (2*((3*8)-12)) = 24 \\
&16. (2*((12/3)+8)) = 24 \\
&17. ((2*(12-8))*3) = 24 \\
&18. (2*(3*(12-8))) = 24
\end{aligned}$$

584. [2, 3, 8, 13]

$$1. ((2*(3+13))-8) = 24$$

585. [2, 3, 9, 9]

$$\begin{aligned}
&1. (((2*3)+9)+9) = 24 \\
&2. ((2*3)+(9+9)) = 24 \\
&3. (((2+9)*3)-9) = 24 \\
&4. (((2*9)-3)+9) = 24
\end{aligned}$$

$$\begin{aligned}
&5. (9-(3-(2*9))) = 24 \\
&6. (((2*9)+9)-3) = 24 \\
&7. ((2*9)-(3-9)) = 24 \\
&8. ((2*9)+(9-3)) = 24 \\
&9. (2*((9/3)+9)) = 24
\end{aligned}$$

586. [2, 3, 9, 10]

$$\begin{aligned}
&1. (((2+3)+10)+9) = 24 \\
&2. (((2+3)+9)+10) = 24 \\
&3. ((2+3)+(10+9)) = 24 \\
&4. ((10/(2/3))+9) = 24 \\
&5. (((3/2)*10)+9) = 24 \\
&6. (((2+9)+3)+10) = 24 \\
&7. (((2+9)+10)+3) = 24 \\
&8. ((2+9)+(3+10)) = 24 \\
&9. (((2*9)-10)*3) = 24 \\
&10. (((2+10)+3)+9) = 24 \\
&11. (((2+10)+9)+3) = 24 \\
&12. ((2+10)+(3+9)) = 24 \\
&13. (((10-2)/3)*9) = 24 \\
&14. (9/(3/(10-2))) = 24 \\
&15. (((10-2)*9)/3) = 24 \\
&16. ((10-2)/(3/9)) = 24 \\
&17. ((10-2)*(9/3)) = 24 \\
&18. ((3/(2/10))+9) = 24 \\
&19. (((10/2)*3)+9) = 24 \\
&20. ((2+(3+9))+10) = 24 \\
&21. (2+((3+9)+10)) = 24 \\
&22. ((2+(3+10))+9) = 24 \\
&23. (2+((3+10)+9)) = 24 \\
&24. (((3*10)/2)+9) = 24 \\
&25. ((2+3)+(9+10)) = 24 \\
&26. ((2+(9+10))+3) = 24 \\
&27. (2+(3+(9+10))) = 24
\end{aligned}$$

587. [2, 3, 9, 11]

无解

588. [2, 3, 9, 12]

$$\begin{aligned}
&1. (12-(2*(3-9))) = 24 \\
&2. ((2*(9-3))+12) = 24
\end{aligned}$$

589. [2, 3, 9, 13]

$$\begin{aligned}
&1. ((2*3)*(13-9)) = 24 \\
&2. (((13-2)*3)-9) = 24 \\
&3. (((3*13)+9)/2) = 24 \\
&4. ((2*(13-9))*3) = 24 \\
&5. (2*(3*(13-9))) = 24
\end{aligned}$$

590. [2, 3, 10, 10]

$$\begin{aligned}
&1. (10-(2*(3-10))) = 24 \\
&2. ((2*(10-3))+10) = 24
\end{aligned}$$

591. [2, 3, 10, 11]

无解

592. [2, 3, 10, 12]

$$\begin{aligned}
&1. (10/((2+3)/12)) = 24 \\
&2. ((12/(2+3))*10) = 24 \\
&3. (12/((2+3)/10)) = 24 \\
&4. ((10/(2+3))*12) = 24 \\
&5. ((12*10)/(2+3)) = 24 \\
&6. (((2+10)*3)-12) = 24 \\
&7. ((3*12)-(2+10)) = 24 \\
&8. (((2*10)-12)*3) = 24 \\
&9. ((2*10)+(12/3)) = 24 \\
&10. (((10/2)-3)*12) = 24 \\
&11. ((3*10)-(12/2)) = 24 \\
&12. (((3*12)-2)-10) = 24 \\
&13. (((3*12)-10)-2) = 24 \\
&14. ((10*12)/(2+3)) = 24
\end{aligned}$$

593. [2, 3, 10, 13]

$$\begin{aligned}
&1. (10-((2-3)-13)) = 24 \\
&2. ((13-(2-3))+10) = 24 \\
&3. (13-((2-3)-10)) = 24 \\
&4. ((10-(2-3))+13) = 24 \\
&5. ((13+10)-(2-3)) = 24 \\
&6. (((3-2)+13)+10) = 24 \\
&7. (((3-2)+10)+13) = 24 \\
&8. ((3-2)+(13+10)) = 24 \\
&9. (13-((2-10)-3)) = 24 \\
&10. ((3-(2-10))+13) = 24 \\
&11. (3-((2-10)-13)) = 24 \\
&12. ((13-(2-10))+3) = 24 \\
&13. ((3+13)-(2-10)) = 24 \\
&14. (((10-2)+3)+13) = 24 \\
&15. (((10-2)+13)+3) = 24 \\
&16. ((10-2)+(3+13)) = 24 \\
&17. ((13-(10/2))*3) = 24 \\
&18. (10-((2-13)-3)) = 24 \\
&19. ((3-(2-13))+10) = 24 \\
&20. (3-((2-13)-10)) = 24 \\
&21. ((10-(2-13))+3) = 24 \\
&22. ((3+10)-(2-13)) = 24 \\
&23. (((13-2)+3)+10) = 24 \\
&24. (((13-2)+10)+3) = 24 \\
&25. ((13-2)+(3+10)) = 24
\end{aligned}$$

$$\begin{aligned}
&26. (13-(2-(3+10))) = 24 \\
&27. (((3+10)-2)+13) = 24 \\
&28. (((3+10)+13)-2) = 24 \\
&29. (10-(2-(3+13))) = 24 \\
&30. (((3+13)-2)+10) = 24 \\
&31. (((3+13)+10)-2) = 24 \\
&32. ((10+13)-(2-3)) = 24 \\
&33. ((3-2)+(10+13)) = 24 \\
&34. (3-(2-(10+13))) = 24 \\
&35. (((10+13)-2)+3) = 24 \\
&36. ((3+(10+13))-2) = 24
\end{aligned}$$

594. [2, 3, 11, 11]

$$\begin{aligned}
&1. ((2-11)+(3*11)) = 24 \\
&2. ((3*11)-(11-2)) = 24 \\
&3. ((2+(3*11))-11) = 24 \\
&4. (2+((3*11)-11)) = 24 \\
&5. (2-(11-(3*11))) = 24
\end{aligned}$$

595. [2, 3, 11, 12]

$$\begin{aligned}
&1. (11-((2-3)-12)) = 24 \\
&2. ((12-(2-3))+11) = 24 \\
&3. (12-((2-3)-11)) = 24 \\
&4. ((11-(2-3))+12) = 24 \\
&5. ((12+11)-(2-3)) = 24 \\
&6. (((3-2)+12)+11) = 24 \\
&7. (((3-2)+11)+12) = 24 \\
&8. ((3-2)+(12+11)) = 24 \\
&9. (12-((2-11)-3)) = 24 \\
&10. ((3-(2-11))+12) = 24 \\
&11. (3-((2-11)-12)) = 24 \\
&12. ((12-(2-11))+3) = 24 \\
&13. ((3+12)-(2-11)) = 24 \\
&14. (((11-2)+3)+12) = 24 \\
&15. (((11-2)+12)+3) = 24 \\
&16. ((11-2)+(3+12)) = 24 \\
&17. (11-((2-12)-3)) = 24 \\
&18. ((3-(2-12))+11) = 24 \\
&19. (3-((2-12)-11)) = 24 \\
&20. ((11-(2-12))+3) = 24 \\
&21. ((3+11)-(2-12)) = 24 \\
&22. (((12-2)+3)+11) = 24 \\
&23. (((12-2)+11)+3) = 24 \\
&24. ((12-2)+(3+11)) = 24 \\
&25. (12-(2-(3+11))) = 24 \\
&26. (((3+11)-2)+12) = 24 \\
&27. (((3+11)+12)-2) = 24 \\
&28. (11-(2-(3+12))) = 24 \\
&29. (((3+12)-2)+11) = 24
\end{aligned}$$

$$\begin{aligned}
30. & (((3+12)+11)-2) = 24 \\
31. & ((11+12)-(2-3)) = 24 \\
32. & ((3-2)+(11+12)) = 24 \\
33. & (3-(2-(11+12))) = 24 \\
34. & (((11+12)-2)+3) = 24 \\
35. & ((3+(11+12))-2) = 24
\end{aligned}$$

$$596. [2, 3, 11, 13]$$

$$\begin{aligned}
1. & (11-((2-3)*13)) = 24 \\
2. & (11-(13/(2-3))) = 24 \\
3. & (13-((2-3)*11)) = 24 \\
4. & (13-(11/(2-3))) = 24 \\
5. & (((3-2)*13)+11) = 24 \\
6. & ((13/(3-2))+11) = 24 \\
7. & (((3-2)*11)+13) = 24 \\
8. & ((11/(3-2))+13) = 24 \\
9. & ((3-2)*(13+11)) = 24 \\
10. & ((13+11)/(3-2)) = 24 \\
11. & ((3-2)*(11+13)) = 24 \\
12. & ((11+13)/(3-2)) = 24
\end{aligned}$$

$$597. [2, 3, 12, 12]$$

$$\begin{aligned}
1. & (12-((2-3)*12)) = 24 \\
2. & (12-(12/(2-3))) = 24 \\
3. & (((3-2)*12)+12) = 24 \\
4. & ((12/(3-2))+12) = 24 \\
5. & ((3-2)*(12+12)) = 24 \\
6. & ((12+12)/(3-2)) = 24 \\
7. & (12/((2*3)/12)) = 24 \\
8. & ((12/(2*3))*12) = 24 \\
9. & ((12*12)/(2*3)) = 24 \\
10. & (12/((2/12)*3)) = 24 \\
11. & ((12/(2/12))/3) = 24 \\
12. & ((12/3)/(2/12)) = 24 \\
13. & (((12/2)/3)*12) = 24 \\
14. & (12/(3/(12/2))) = 24 \\
15. & (((12/2)*12)/3) = 24 \\
16. & ((12/2)/(3/12)) = 24 \\
17. & ((12/2)*(12/3)) = 24 \\
18. & (((3*12)+12)/2) = 24 \\
19. & (12/(2*(3/12))) = 24 \\
20. & ((12/(3/12))/2) = 24 \\
21. & (((12/3)-2)*12) = 24 \\
22. & (12/(2/(12/3))) = 24 \\
23. & (((12/3)/2)*12) = 24 \\
24. & (((12/3)*12)/2) = 24 \\
25. & (((12*12)/2)/3) = 24 \\
26. & (((12*12)/3)/2) = 24
\end{aligned}$$

$$598. [2, 3, 12, 13]$$

$$\begin{aligned}
1. & (((2-3)+13)+12) = 24 \\
2. & (((2-3)+12)+13) = 24 \\
3. & ((2-3)+(13+12)) = 24 \\
4. & (12-((3-2)-13)) = 24 \\
5. & ((13-(3-2))+12) = 24 \\
6. & (13-((3-2)-12)) = 24 \\
7. & ((12-(3-2))+13) = 24 \\
8. & ((13+12)-(3-2)) = 24 \\
9. & (((2+12)-3)+13) = 24 \\
10. & (13-(3-(2+12))) = 24 \\
11. & (((2+12)+13)-3) = 24 \\
12. & ((2+12)-(3-13)) = 24 \\
13. & ((2+12)+(13-3)) = 24 \\
14. & (((2+13)-3)+12) = 24 \\
15. & (12-(3-(2+13))) = 24 \\
16. & (((2+13)+12)-3) = 24 \\
17. & ((2+13)-(3-12)) = 24 \\
18. & ((2+13)+(12-3)) = 24 \\
19. & ((2-(3-12))+13) = 24 \\
20. & (13-((3-12)-2)) = 24 \\
21. & (2-((3-12)-13)) = 24 \\
22. & (2+(13-(3-12))) = 24 \\
23. & ((2+(12-3))+13) = 24 \\
24. & (2+((12-3)+13)) = 24 \\
25. & ((2-(3-13))+12) = 24 \\
26. & (12-((3-13)-2)) = 24 \\
27. & (2-((3-13)-12)) = 24 \\
28. & (2+(12-(3-13))) = 24 \\
29. & ((2+(13-3))+12) = 24 \\
30. & (2+((13-3)+12)) = 24 \\
31. & ((2-3)+(12+13)) = 24 \\
32. & ((12+13)-(3-2)) = 24 \\
33. & ((2+(12+13))-3) = 24 \\
34. & (2-(3-(12+13))) = 24 \\
35. & (2+((12+13)-3)) = 24
\end{aligned}$$

$$599. [2, 3, 13, 13]$$

$$\begin{aligned}
1. & ((3*13)-(2+13)) = 24 \\
2. & (((3*13)-2)-13) = 24 \\
3. & (((3*13)-13)-2) = 24
\end{aligned}$$

$$600. [2, 4, 4, 4]$$

$$\begin{aligned}
1. & ((4-(2-4))*4) = 24 \\
2. & (((4-2)+4)*4) = 24 \\
3. & ((2*4)+(4*4)) = 24 \\
4. & (((4/2)+4)*4) = 24 \\
5. & (((4+4)-2)*4) = 24 \\
6. & (2*((4+4)+4)) = 24
\end{aligned}$$

$$7. (2*((4*4)-4)) = 24$$

$$8. (2*(4+(4+4))) = 24$$

$$601. [2, 4, 4, 5]$$

$$\begin{aligned}
1. & (((2+5)*4)-4) = 24 \\
2. & ((5-2)*(4+4)) = 24 \\
3. & (((2*5)-4)*4) = 24
\end{aligned}$$

$$602. [2, 4, 4, 6]$$

$$\begin{aligned}
1. & (((2*4)-4)*6) = 24 \\
2. & ((2+6)+(4*4)) = 24 \\
3. & ((4+4)/(2/6)) = 24 \\
4. & ((6/2)*(4+4)) = 24 \\
5. & (6/(2/(4+4))) = 24 \\
6. & (((4+4)/2)*6) = 24 \\
7. & (((4+4)*6)/2) = 24 \\
8. & ((2+(4*4))+6) = 24 \\
9. & (2+((4*4)+6)) = 24 \\
10. & ((2*(4+6))+4) = 24
\end{aligned}$$

$$603. [2, 4, 4, 7]$$

$$\begin{aligned}
1. & ((2*4)*(7-4)) = 24 \\
2. & (4-((2-7)*4)) = 24 \\
3. & (((7-2)*4)+4) = 24 \\
4. & ((2*(7-4))*4) = 24 \\
5. & (2*((7-4)*4)) = 24 \\
6. & (2*(4*(7-4))) = 24
\end{aligned}$$

$$604. [2, 4, 4, 8]$$

$$\begin{aligned}
1. & ((2+4)*(8-4)) = 24 \\
2. & (((2-4)+8)*4) = 24 \\
3. & ((8-(4-2))*4) = 24 \\
4. & ((4-2)*(8+4)) = 24 \\
5. & (((2*4)*4)-8) = 24 \\
6. & ((8*4)-(2*4)) = 24 \\
7. & ((8+4)/(2/4)) = 24 \\
8. & ((8-(4/2))*4) = 24 \\
9. & ((4/2)*(8+4)) = 24 \\
10. & ((4-2)*(4+8)) = 24 \\
11. & ((4*8)-(2*4)) = 24 \\
12. & ((4+8)/(2/4)) = 24 \\
13. & ((4/2)*(4+8)) = 24 \\
14. & (((2+8)-4)*4) = 24 \\
15. & (((2*8)+4)+4) = 24 \\
16. & ((2*8)+(4+4)) = 24 \\
17. & ((2*(4+4))+8) = 24 \\
18. & ((2*(4*4))-8) = 24 \\
19. & ((2+(4/4))*8) = 24 \\
20. & (4/(2/(4+8))) = 24
\end{aligned}$$

$$21. (((4+8)/2)*4) = 24$$

$$22. (((4+8)*4)/2) = 24$$

$$23. ((2-(4-8))*4) = 24$$

$$24. ((2+(8-4))*4) = 24$$

$$25. ((4*(4+8))/2) = 24$$

$$605. [2, 4, 4, 9]$$

$$1. (((9-2)*4)-4) = 24$$

$$606. [2, 4, 4, 10]$$

$$\begin{aligned}
1. & (4-((2-4)*10)) = 24 \\
2. & (((4-2)*10)+4) = 24 \\
3. & ((10/(2/4))+4) = 24 \\
4. & (((4/2)*10)+4) = 24 \\
5. & ((4*4)-(2-10)) = 24 \\
6. & ((10-2)+(4*4)) = 24 \\
7. & ((4/(2/10))+4) = 24 \\
8. & (((10/2)*4)+4) = 24 \\
9. & (10-(2-(4*4))) = 24 \\
10. & (((4*4)-2)+10) = 24 \\
11. & (((4*4)+10)-2) = 24 \\
12. & ((2*(4+10))-4) = 24 \\
13. & (((4*10)/2)+4) = 24
\end{aligned}$$

$$607. [2, 4, 4, 11]$$

$$\begin{aligned}
1. & (2*((4/4)+11)) = 24 \\
2. & (((4*11)+4)/2) = 24 \\
3. & ((4+(4*11))/2) = 24
\end{aligned}$$

$$608. [2, 4, 4, 12]$$

$$\begin{aligned}
1. & ((12-(2+4))*4) = 24 \\
2. & (((2+4)-4)*12) = 24 \\
3. & (((2-4)+4)*12) = 24 \\
4. & (4/((4-2)/12)) = 24 \\
5. & ((12/(4-2))*4) = 24 \\
6. & ((4-(4-2))*12) = 24 \\
7. & (12/((4-2)/4)) = 24 \\
8. & ((4/(4-2))*12) = 24 \\
9. & ((12*4)/(4-2)) = 24 \\
10. & (((2*4)+12)+4) = 24 \\
11. & (((2*4)*12)/4) = 24 \\
12. & (((2*4)+4)+12) = 24 \\
13. & (((2*4)/4)*12) = 24 \\
14. & (12/(4/(2*4))) = 24 \\
15. & ((2*4)+(12+4)) = 24 \\
16. & ((2*4)*(12/4)) = 24 \\
17. & ((2*4)/(4/12)) = 24 \\
18. & (((2/4)*12)*4) = 24 \\
19. & (((2/4)*4)*12) = 24
\end{aligned}$$

20. $((2/4)*(12*4)) = 24$
 21. $(4/((4/2)/12)) = 24$
 22. $((12/(4/2))*4) = 24$
 23. $((4-(4/2))*12) = 24$
 24. $(12/((4/2)/4)) = 24$
 25. $((4/(4/2))*12) = 24$
 26. $((12*4)/(4/2)) = 24$
 27. $((4*12)/(4-2)) = 24$
 28. $((2*4)+(4+12)) = 24$
 29. $((2/4)*(4*12)) = 24$
 30. $((4*12)/(4/2)) = 24$
 31. $((12-2)-4)*4 = 24$
 32. $((2*12)+4)-4 = 24$
 33. $((2*12)-4)+4 = 24$
 34. $(4-(4-(2*12))) = 24$
 35. $((2*12)*4)/4 = 24$
 36. $((2*12)/4)*4 = 24$
 37. $(4/(4/(2*12))) = 24$
 38. $((2*12)+(4-4)) = 24$
 39. $((2*12)-(4-4)) = 24$
 40. $((2*12)*(4/4)) = 24$
 41. $((2*12)/(4/4)) = 24$
 42. $((2+(4-4))*12) = 24$
 43. $((2-(4-4))*12) = 24$
 44. $(2*((4-4)+12)) = 24$
 45. $(2*(12-(4-4))) = 24$
 46. $((2*(4/4))*12) = 24$
 47. $((2/(4/4))*12) = 24$
 48. $(12/((4/4)/2)) = 24$
 49. $(2*((4/4)*12)) = 24$
 50. $(2/((4/4)/12)) = 24$
 51. $(2*(12/(4/4))) = 24$
 52. $(2*((4+12)-4)) = 24$
 53. $(2*(4-(4-12))) = 24$
 54. $((12-4)-2)*4 = 24$
 55. $(2*((12-4)+4)) = 24$
 56. $((2*(4*12))/4) = 24$
 57. $(2*((4*12)/4)) = 24$
 58. $(2/(4/(4*12))) = 24$
 59. $((2/(4/12))*4) = 24$
 60. $(4/((4/12)/2)) = 24$
 61. $(2/((4/12)/4)) = 24$
 62. $(2*(4/(4/12))) = 24$
 63. $((2*(12/4))*4) = 24$
 64. $(2*((12/4)*4)) = 24$
 65. $(2*(4+(12-4))) = 24$
 66. $(2*(4*(12/4))) = 24$
 609. [2, 4, 4, 13]

1. $(2*(13-(4/4))) = 24$
 2. $((4*13)-4)/2 = 24$
 610. [2, 4, 5, 5]
 1. $((2*(5+5))+4) = 24$
 611. [2, 4, 5, 6]
 1. $((2+4)*5)-6 = 24$
 2. $((6*5)-(2+4)) = 24$
 3. $(4-((2-6)*5)) = 24$
 4. $((4*5)-(2-6)) = 24$
 5. $((6-2)*5)+4 = 24$
 6. $((6-2)+(4*5)) = 24$
 7. $((2*(4+5))+6) = 24$
 8. $(6-(2-(4*5))) = 24$
 9. $((4*5)-2)+6 = 24$
 10. $((4*5)+6)-2 = 24$
 11. $((5*6)-(2+4)) = 24$
 12. $((5*6)-2)-4 = 24$
 13. $((5*6)-4)-2 = 24$
 612. [2, 4, 5, 7]
 1. $((4-2)*(7+5)) = 24$
 2. $((7+5)/(2/4)) = 24$
 3. $((4/2)*(7+5)) = 24$
 4. $((4-2)*(5+7)) = 24$
 5. $((5+7)/(2/4)) = 24$
 6. $((4/2)*(5+7)) = 24$
 7. $(4/(2/(5+7))) = 24$
 8. $((5+7)/2)*4 = 24$
 9. $((4*(5+7))/2) = 24$
 613. [2, 4, 5, 8]
 1. $((2-4)+5)*8 = 24$
 2. $((5-(4-2))*8) = 24$
 3. $((2*4)-5)*8 = 24$
 4. $((2*4)*(8-5)) = 24$
 5. $((5-(4/2))*8) = 24$
 6. $((2+5)-4)*8 = 24$
 7. $((8/(2/5))+4) = 24$
 8. $((5/2)*8)+4 = 24$
 9. $((5/(2/8))+4) = 24$
 10. $((8/2)*5)+4 = 24$
 11. $((8/2)+(4*5)) = 24$
 12. $((2-(4-5))*8) = 24$
 13. $((2+(5-4))*8) = 24$
 14. $(2*((4*5)-8)) = 24$
 15. $((2*(8-5))*4) = 24$
 16. $(2*(4*(8-5))) = 24$

17. $((5*8)/2)+4 = 24$
 614. [2, 4, 5, 9]
 1. $((2+4)*(9-5)) = 24$
 2. $((2-5)+9)*4 = 24$
 3. $((9-(5-2))*4) = 24$
 4. $((2+9)-5)*4 = 24$
 5. $((2*(5+9))-4) = 24$
 6. $((2-(5-9))*4) = 24$
 7. $((2+(9-5))*4) = 24$
 615. [2, 4, 5, 10]
 1. $((2*5)+4)+10 = 24$
 2. $((2*5)+10)+4 = 24$
 3. $((2*5)+(4+10)) = 24$
 616. [2, 4, 5, 11]
 1. $((2*4)+11)+5 = 24$
 2. $((2*4)+5)+11 = 24$
 3. $((2*4)+(11+5)) = 24$
 4. $(2*(11-(4-5))) = 24$
 5. $(2*((5-4)+11)) = 24$
 6. $(2*(5-(4-11))) = 24$
 7. $(2*((11-4)+5)) = 24$
 8. $((2*4)+(5+11)) = 24$
 9. $(2*((5+11)-4)) = 24$
 617. [2, 4, 5, 12]
 1. $(12-((2-5)*4)) = 24$
 2. $((2-5)*(4-12)) = 24$
 3. $((5-2)*4)+12 = 24$
 4. $((5-2)*(12-4)) = 24$
 5. $((2*12)*(5-4)) = 24$
 6. $((2*12)/(5-4)) = 24$
 7. $((2*(5-4))*12) = 24$
 8. $((2/(5-4))*12) = 24$
 9. $(12/((5-4)/2)) = 24$
 10. $(2*((5-4)*12)) = 24$
 11. $(2/((5-4)/12)) = 24$
 12. $(2*(12/(5-4))) = 24$
 618. [2, 4, 5, 13]
 1. $((2+4)+13)+5 = 24$
 2. $((2+4)+5)+13 = 24$
 3. $((2+4)+(13+5)) = 24$
 4. $((2+5)+4)+13 = 24$
 5. $((2+5)+13)+4 = 24$
 6. $((13-(2+5))*4) = 24$
 7. $((2+5)+(4+13)) = 24$

8. $((2+13)+4)+5 = 24$
 9. $((2+13)+5)+4 = 24$
 10. $((2+13)+(4+5)) = 24$
 11. $((13-2)-5)*4 = 24$
 12. $((2+(4+5))+13) = 24$
 13. $(2+((4+5)+13)) = 24$
 14. $(2*((4-5)+13)) = 24$
 15. $(2*(13-(5-4))) = 24$
 16. $((2+(4+13))+5) = 24$
 17. $(2+((4+13)+5)) = 24$
 18. $(2*((4+13)-5)) = 24$
 19. $((2+4)+(5+13)) = 24$
 20. $((2+(5+13))+4) = 24$
 21. $(2+(4+(5+13))) = 24$
 22. $(2*(4-(5-13))) = 24$
 23. $((13-5)-2)*4 = 24$
 24. $(2*(4+(13-5))) = 24$
 619. [2, 4, 6, 6]
 1. $((2-4)+6)*6 = 24$
 2. $((6-(4-2))*6) = 24$
 3. $((4-2)*(6+6)) = 24$
 4. $((6+6)/(2/4)) = 24$
 5. $((6-(4/2))*6) = 24$
 6. $((4/2)*(6+6)) = 24$
 7. $((2+6)-4)*6 = 24$
 8. $((2*6)-6)*4 = 24$
 9. $((2*6)*(6-4)) = 24$
 10. $((2-(4-6))*6) = 24$
 11. $((2+(6-4))*6) = 24$
 12. $((2*(6-4))*6) = 24$
 13. $(2*((6-4)*6)) = 24$
 14. $(4/(2/(6+6))) = 24$
 15. $((6+6)/2)*4 = 24$
 16. $((4*(6+6))/2) = 24$
 620. [2, 4, 6, 7]
 1. $((2+6)*(7-4)) = 24$
 2. $((2-6)+(4*7)) = 24$
 3. $((6-2)*7)-4 = 24$
 4. $((4*7)-(6-2)) = 24$
 5. $((2*7)+4)+6 = 24$
 6. $((2*7)+6)+4 = 24$
 7. $((2*7)+(4+6)) = 24$
 8. $((2+(4*7))-6) = 24$
 9. $(2+((4*7)-6)) = 24$
 10. $(2-(6-(4*7))) = 24$
 11. $(6/(2-(7/4))) = 24$

621. [2, 4, 6, 8]

1. $(6/((4-2)/8)) = 24$
2. $((8/(4-2))*6) = 24$
3. $(8/((4-2)/6)) = 24$
4. $((6/(4-2))*8) = 24$
5. $((8*6)/(4-2)) = 24$
6. $((((2/4)*8)*6) = 24$
7. $((((2/4)*6)*8) = 24$
8. $((2/4)*(8*6)) = 24$
9. $(6/((4/2)/8)) = 24$
10. $((8/(4/2))*6) = 24$
11. $(8/((4/2)/6)) = 24$
12. $((6/(4/2))*8) = 24$
13. $((8*6)/(4/2)) = 24$
14. $((((2+6)*4)-8) = 24$
15. $((4*8)-(2+6)) = 24$
16. $(8-((2-6)*4)) = 24$
17. $((6-2)*4)+8 = 24$
18. $((2*6)+4)+8 = 24$
19. $((2*6)/4)*8 = 24$
20. $(8/(4/(2*6))) = 24$
21. $((2*6)+8)+4 = 24$
22. $((2*6)*8)/4 = 24$
23. $((2*6)+(4+8)) = 24$
24. $((2*6)/(4/8)) = 24$
25. $((2*6)*(8/4)) = 24$
26. $((2*8)/4)*6 = 24$
27. $(6/(4/(2*8))) = 24$
28. $((2*8)*6)/4 = 24$
29. $((2*8)/(4/6)) = 24$
30. $((2*8)*(6/4)) = 24$
31. $((2/(4/6))*8) = 24$
32. $(8/((4/6)/2)) = 24$
33. $(2/((4/6)/8)) = 24$
34. $(2*(8/(4/6))) = 24$
35. $((2*(6/4))*8) = 24$
36. $(2*((6/4)*8)) = 24$
37. $((4*8)-2)-6 = 24$
38. $((4*8)-6)-2 = 24$
39. $((2/(4/8))*6) = 24$
40. $(6/((4/8)/2)) = 24$
41. $(2/((4/8)/6)) = 24$
42. $(2*(6/(4/8))) = 24$
43. $((2+(8/4))*6) = 24$
44. $((2*(8/4))*6) = 24$
45. $(2*((8/4)*6)) = 24$
46. $((2*(6+8))-4) = 24$
47. $((6*8)/(4-2)) = 24$
48. $((2/4)*(6*8)) = 24$

49. $((6*8)/(4/2)) = 24$

50. $((2*(6*8))/4) = 24$
51. $(2/(4/(6*8))) = 24$
52. $(2*((6*8)/4)) = 24$

622. [2, 4, 6, 9]

1. $(6-((2-4)*9)) = 24$
2. $((4-2)*9)+6 = 24$
3. $((2*4)*(9-6)) = 24$
4. $((9/(2/4))+6) = 24$
5. $((4/2)*9)+6 = 24$
6. $((4*9)-(2*6)) = 24$
7. $((9-(6/2))*4) = 24$
8. $((4/(2/9))+6) = 24$
9. $((9/2)*4)+6 = 24$
10. $((2+(4/6))*9) = 24$
11. $((4*9)/2)+6 = 24$
12. $(6/((9/4)-2)) = 24$
13. $((2*(9-6))*4) = 24$
14. $(2*(4*(9-6))) = 24$

623. [2, 4, 6, 10]

1. $((10-(2+4))*6) = 24$
2. $((2+4)*(10-6)) = 24$
3. $((2*4)+10)+6 = 24$
4. $((2*4)+6)+10 = 24$
5. $((2*4)+(10+6)) = 24$
6. $((2-6)+10)*4 = 24$
7. $((2-6)*(4-10)) = 24$
8. $((10-(6-2))*4) = 24$
9. $((6-2)*(10-4)) = 24$
10. $((2+10)-6)*4 = 24$
11. $((2+10)*(6-4)) = 24$
12. $((10-2)-4)*6 = 24$
13. $(2*(10-(4-6))) = 24$
14. $(2*((6-4)+10)) = 24$
15. $(2*(6-(4-10))) = 24$
16. $((10-4)-2)*6 = 24$
17. $(2*((10-4)+6)) = 24$
18. $((2*4)+(6+10)) = 24$
19. $(2*((6+10)-4)) = 24$
20. $((2-(6-10))*4) = 24$
21. $((2+(10-6))*4) = 24$

624. [2, 4, 6, 11]

1. $((2*11)-4)+6 = 24$
2. $(6-(4-(2*11))) = 24$
3. $((2*11)+6)-4 = 24$
4. $((2*11)-(4-6)) = 24$

5. $((2*11)+(6-4)) = 24$

6. $(2-((4-6)*11)) = 24$
7. $(2+((6-4)*11)) = 24$
8. $((2*(4+11))-6) = 24$
9. $(4/(2-(11/6))) = 24$

625. [2, 4, 6, 12]

1. $((2+4)+12)+6 = 24$
2. $((2+4)+6)+12 = 24$
3. $((2+4)*6)-12 = 24$
4. $((2+4)+(12+6)) = 24$
5. $(12-((2-4)*6)) = 24$
6. $((4-2)*6)+12 = 24$
7. $((12-(2*4))*6) = 24$
8. $((2*4)-6)*12 = 24$
9. $((6/(2/4))+12) = 24$
10. $((4/2)*6)+12 = 24$
11. $((2+6)+4)+12 = 24$
12. $((2+6)/4)*12 = 24$
13. $(12/(4/(2+6))) = 24$
14. $((2+6)+12)+4 = 24$
15. $((2+6)*12)/4 = 24$
16. $((2+6)+(4+12)) = 24$
17. $((2+6)/(4/12)) = 24$
18. $((2+6)*(12/4)) = 24$
19. $((4/(2/6))+12) = 24$
20. $((12-4)/(2/6)) = 24$
21. $((6/2)*4)+12 = 24$
22. $((6/2)*(12-4)) = 24$
23. $((2+12)+4)+6 = 24$
24. $((2+12)+6)+4 = 24$
25. $((2+12)+(4+6)) = 24$
26. $((2+(4+6))+12) = 24$
27. $(2+((4+6)+12)) = 24$
28. $((4*6)/2)+12 = 24$
29. $(2*((4*6)-12)) = 24$
30. $(12/(2-(6/4))) = 24$
31. $((2+(4+12))+6) = 24$
32. $(2+((4+12)+6)) = 24$
33. $(6/(2/(12-4))) = 24$
34. $((12-4)/2)*6 = 24$
35. $((12-4)*6)/2 = 24$
36. $((2+4)+(6+12)) = 24$
37. $((2+(6+12))+4) = 24$
38. $(2+(4+(6+12))) = 24$

626. [2, 4, 6, 13]

1. $((2*13)+4)-6 = 24$
2. $((2*13)-6)+4 = 24$

3. $(4-(6-(2*13))) = 24$

4. $((2*13)+(4-6)) = 24$
5. $((2*13)-(6-4)) = 24$
6. $((6-4)*13)-2 = 24$
7. $(6-(2*(4-13))) = 24$
8. $((2*(13-4))+6) = 24$
9. $(4/((13/6)-2)) = 24$

627. [2, 4, 7, 7]

1. $((2*(7+7))-4) = 24$

628. [2, 4, 7, 8]

1. $((2*7)-8)*4 = 24$
2. $((8/(2/7))-4) = 24$
3. $((7/2)*8)-4 = 24$
4. $((7/(2/8))-4) = 24$
5. $((8/2)*7)-4 = 24$
6. $((4*7)-(8/2)) = 24$
7. $((7*8)/2)-4 = 24$

629. [2, 4, 7, 9]

1. $((2*4)+9)+7 = 24$
2. $((2*4)+7)+9 = 24$
3. $((2*4)+(9+7)) = 24$
4. $(2*(9-(4-7))) = 24$
5. $(2*((7-4)+9)) = 24$
6. $(2*(7-(4-9))) = 24$
7. $(2*((9-4)+7)) = 24$
8. $((2*4)+(7+9)) = 24$
9. $(2*((7+9)-4)) = 24$

630. [2, 4, 7, 10]

1. $(10-((2-4)*7)) = 24$
2. $((4-2)*7)+10 = 24$
3. $((2*4)*(10-7)) = 24$
4. $((7/(2/4))+10) = 24$
5. $((4/2)*7)+10 = 24$
6. $((4/(2/7))+10) = 24$
7. $((7/2)*4)+10 = 24$
8. $((2-10)*(4-7)) = 24$
9. $((10-2)*(7-4)) = 24$
10. $((4*7)/2)+10 = 24$
11. $((2*(10-7))*4) = 24$
12. $(2*(4*(10-7))) = 24$

631. [2, 4, 7, 11]

1. $((2+4)+11)+7 = 24$
2. $((2+4)+7)+11 = 24$
3. $((2+4)+(11+7)) = 24$

$$\begin{aligned}
&4. ((2+4)*(11-7)) = 24 \\
&5. (((2+7)+4)+11) = 24 \\
&6. (((2+7)+11)+4) = 24 \\
&7. ((2+7)+(4+11)) = 24 \\
&8. (((2-7)+11)*4) = 24 \\
&9. (((11-(7-2))*4) = 24 \\
&10. (((2+11)+4)+7) = 24 \\
&11. (((2+11)+7)+4) = 24 \\
&12. (((2+11)-7)*4) = 24 \\
&13. ((2+11)+(4+7)) = 24 \\
&14. ((2+(4+7))+11) = 24 \\
&15. (2+((4+7)+11)) = 24 \\
&16. ((2+(4+11))+7) = 24 \\
&17. (2+((4+11)+7)) = 24 \\
&18. ((2+4)+(7+11)) = 24 \\
&19. ((2+(7+11))+4) = 24 \\
&20. (2+(4+(7+11))) = 24 \\
&21. ((2-(7-11))*4) = 24 \\
&22. ((2+(11-7))*4) = 24
\end{aligned}$$

632. [2, 4, 7, 12]

$$\begin{aligned}
&1. (((2+7)*4)-12) = 24 \\
&2. (12/(4-(7/2))) = 24
\end{aligned}$$

633. [2, 4, 7, 13]

无解

634. [2, 4, 8, 8]

$$\begin{aligned}
&1. (8-((2-4)*8)) = 24 \\
&2. (((4-2)*8)+8) = 24 \\
&3. (((2*4)+8)+8) = 24 \\
&4. ((2*4)+(8+8)) = 24 \\
&5. ((8/(2/4))+8) = 24 \\
&6. (((4/2)*8)+8) = 24 \\
&7. ((2-8)*(4-8)) = 24 \\
&8. ((8-2)*(8-4)) = 24 \\
&9. ((4/(2/8))+8) = 24 \\
&10. (((8/2)*4)+8) = 24 \\
&11. (2*(8-(4-8))) = 24 \\
&12. (2*((8-4)+8)) = 24 \\
&13. (((4*8)/2)+8) = 24 \\
&14. (2*((8+8)-4)) = 24
\end{aligned}$$

635. [2, 4, 8, 9]

$$\begin{aligned}
&1. ((9-(2+4))*8) = 24 \\
&2. (((9-2)-4)*8) = 24 \\
&3. (((9-4)-2)*8) = 24
\end{aligned}$$

636. [2, 4, 8, 10]

$$\begin{aligned}
&1. (((2+4)+10)+8) = 24 \\
&2. (((2+4)+8)+10) = 24 \\
&3. ((2+4)+(10+8)) = 24 \\
&4. (((2+8)+4)+10) = 24 \\
&5. (((2+8)+10)+4) = 24 \\
&6. ((2+8)+(4+10)) = 24 \\
&7. (((2*8)-10)*4) = 24 \\
&8. ((4*10)-(2*8)) = 24 \\
&9. ((10-4)/(2/8)) = 24 \\
&10. ((10-(8/2))*4) = 24 \\
&11. ((8/2)*(10-4)) = 24 \\
&12. (((2+10)+4)+8) = 24 \\
&13. (((2+10)/4)*8) = 24 \\
&14. (8/(4/(2+10))) = 24 \\
&15. (((2+10)+8)+4) = 24 \\
&16. (((2+10)*8)/4) = 24 \\
&17. ((2+10)+(4+8)) = 24 \\
&18. ((2+10)/(4/8)) = 24 \\
&19. ((2+10)*(8/4)) = 24 \\
&20. ((2-10)+(4*8)) = 24 \\
&21. (((10-2)*4)-8) = 24 \\
&22. ((4*8)-(10-2)) = 24 \\
&23. (((2*10)-4)+8) = 24 \\
&24. (8-(4-(2*10))) = 24 \\
&25. (((2*10)+8)-4) = 24 \\
&26. ((2*10)-(4-8)) = 24 \\
&27. ((2*10)+(8-4)) = 24 \\
&28. ((2+(4+8))+10) = 24 \\
&29. (2+((4+8)+10)) = 24 \\
&30. ((2+(4*8))-10) = 24 \\
&31. (2+((4*8)-10)) = 24 \\
&32. (2-(10-(4*8))) = 24 \\
&33. (2*((8/4)+10)) = 24 \\
&34. ((2+(4+10))+8) = 24 \\
&35. (2+((4+10)+8)) = 24 \\
&36. (8/(2/(10-4))) = 24 \\
&37. (((10-4)/2)*8) = 24 \\
&38. (((10-4)*8)/2) = 24 \\
&39. (((4*10)+8)/2) = 24 \\
&40. ((2+4)+(8+10)) = 24 \\
&41. ((2+(8+10))+4) = 24 \\
&42. (2+(4+(8+10))) = 24
\end{aligned}$$

637. [2, 4, 8, 11]

$$\begin{aligned}
&1. ((11-(2*4))*8) = 24 \\
&2. ((2*4)*(11-8)) = 24 \\
&3. ((2*11)+(8/4)) = 24 \\
&4. (2+(11/(4/8))) = 24 \\
&5. (2+((8/4)*11)) = 24
\end{aligned}$$

$$\begin{aligned}
&6. (2+(8/(4/11))) = 24 \\
&7. (2+((11/4)*8)) = 24 \\
&8. ((2*(11-8))*4) = 24 \\
&9. (2*(4*(11-8))) = 24 \\
&10. (2+((8*11)/4)) = 24
\end{aligned}$$

638. [2, 4, 8, 12]

$$\begin{aligned}
&1. ((8-(2+4))*12) = 24 \\
&2. ((2+4)*(12-8)) = 24 \\
&3. (((2-8)+12)*4) = 24 \\
&4. (((8-2)-4)*12) = 24 \\
&5. ((12-(8-2))*4) = 24 \\
&6. (((2*8)-4)+12) = 24 \\
&7. (12-(4-(2*8))) = 24 \\
&8. (((2*8)+12)-4) = 24 \\
&9. ((2*8)-(4-12)) = 24 \\
&10. ((2*8)+(12-4)) = 24 \\
&11. (((2+12)-8)*4) = 24 \\
&12. ((8-4)/(2/12)) = 24 \\
&13. ((12/2)*(8-4)) = 24 \\
&14. (((8-4)-2)*12) = 24 \\
&15. (12/(2/(8-4))) = 24 \\
&16. (((8-4)/2)*12) = 24 \\
&17. (((8-4)*12)/2) = 24 \\
&18. ((2*(4+12))-8) = 24 \\
&19. (8-(2*(4-12))) = 24 \\
&20. ((2*(12-4))+8) = 24 \\
&21. ((2-(8-12))*4) = 24 \\
&22. ((2+(12-8))*4) = 24
\end{aligned}$$

639. [2, 4, 8, 13]

$$\begin{aligned}
&1. ((2*13)-(8/4)) = 24 \\
&2. ((13/(4/8))-2) = 24 \\
&3. (((8/4)*13)-2) = 24 \\
&4. ((8/(4/13))-2) = 24 \\
&5. (((13/4)*8)-2) = 24 \\
&6. (((8*13)/4)-2) = 24
\end{aligned}$$

640. [2, 4, 9, 9]

$$\begin{aligned}
&1. (((2+4)+9)+9) = 24 \\
&2. ((2+4)+(9+9)) = 24 \\
&3. (((2+9)+4)+9) = 24 \\
&4. (((2+9)+9)+4) = 24 \\
&5. ((2+9)+(4+9)) = 24 \\
&6. ((2+(4+9))+9) = 24 \\
&7. (2+((4+9)+9)) = 24 \\
&8. ((2+(9+9))+4) = 24 \\
&9. (2+(4+(9+9))) = 24
\end{aligned}$$

641. [2, 4, 9, 10]

$$\begin{aligned}
&1. (((2*9)-4)+10) = 24 \\
&2. (10-(4-(2*9))) = 24 \\
&3. (((2*9)+10)-4) = 24 \\
&4. ((2*9)-(4-10)) = 24 \\
&5. ((2*9)+(10-4)) = 24 \\
&6. ((4*9)-(2+10)) = 24 \\
&7. (((4*9)-2)-10) = 24 \\
&8. (((4*9)-10)-2) = 24
\end{aligned}$$

642. [2, 4, 9, 11]

无解

643. [2, 4, 9, 12]

$$\begin{aligned}
&1. ((2*4)*(12-9)) = 24 \\
&2. (((2*9)-12)*4) = 24 \\
&3. (12/((9/2)-4)) = 24 \\
&4. (((4*9)+12)/2) = 24 \\
&5. (2*((12/4)+9)) = 24 \\
&6. ((2*(12-9))*4) = 24 \\
&7. (2*(4*(12-9))) = 24
\end{aligned}$$

644. [2, 4, 9, 13]

$$\begin{aligned}
&1. ((2+4)*(13-9)) = 24 \\
&2. (9-((2-4)-13)) = 24 \\
&3. ((13-(2-4))+9) = 24 \\
&4. (13-((2-4)-9)) = 24 \\
&5. ((9-(2-4))+13) = 24 \\
&6. ((13+9)-(2-4)) = 24 \\
&7. (((4-2)+13)+9) = 24 \\
&8. (((4-2)+9)+13) = 24 \\
&9. ((4-2)+(13+9)) = 24 \\
&10. (((4/2)+13)+9) = 24 \\
&11. (((4/2)+9)+13) = 24 \\
&12. ((4/2)+(13+9)) = 24 \\
&13. (13-((2-9)-4)) = 24 \\
&14. ((4-(2-9))+13) = 24 \\
&15. (((2-9)+13)*4) = 24 \\
&16. (4-((2-9)-13)) = 24 \\
&17. ((13-(2-9))+4) = 24 \\
&18. ((4+13)-(2-9)) = 24 \\
&19. (((9-2)+4)+13) = 24 \\
&20. (((9-2)+13)+4) = 24 \\
&21. ((13-(9-2))*4) = 24 \\
&22. ((9-2)+(4+13)) = 24 \\
&23. (((2+13)-9)*4) = 24 \\
&24. (9-((2-13)-4)) = 24 \\
&25. ((4-(2-13))+9) = 24 \\
&26. (4-((2-13)-9)) = 24
\end{aligned}$$

$$\begin{aligned}
27. & ((9-(2-13))+4) = 24 \\
28. & ((4+9)-(2-13)) = 24 \\
29. & (((13-2)+4)+9) = 24 \\
30. & (((13-2)+9)+4) = 24 \\
31. & ((13-2)+(4+9)) = 24 \\
32. & (13-(2-(4+9))) = 24 \\
33. & (((4+9)-2)+13) = 24 \\
34. & (((4+9)+13)-2) = 24 \\
35. & (9-(2-(4+13))) = 24 \\
36. & (((4+13)-2)+9) = 24 \\
37. & (((4+13)+9)-2) = 24 \\
38. & ((9+13)-(2-4)) = 24 \\
39. & ((4-2)+(9+13)) = 24 \\
40. & ((4/2)+(9+13)) = 24 \\
41. & (4-(2-(9+13))) = 24 \\
42. & (((9+13)-2)+4) = 24 \\
43. & ((4+(9+13))-2) = 24 \\
44. & ((2-(9-13))*4) = 24 \\
45. & ((2+(13-9))*4) = 24
\end{aligned}$$

645. [2, 4, 10, 10]

$$1. ((2+(4/10))*10) = 24$$

646. [2, 4, 10, 11]

$$\begin{aligned}
1. & ((4*11)-(2*10)) = 24 \\
2. & (((11-(10/2))*4) = 24 \\
3. & (10-(2*(4-11))) = 24 \\
4. & ((2*(11-4))+10) = 24
\end{aligned}$$

647. [2, 4, 10, 12]

$$\begin{aligned}
1. & (10-((2-4)-12)) = 24 \\
2. & ((12-(2-4))+10) = 24 \\
3. & (12-((2-4)-10)) = 24 \\
4. & ((10-(2-4))+12) = 24 \\
5. & ((12+10)-(2-4)) = 24 \\
6. & (((4-2)+12)+10) = 24 \\
7. & (((4-2)+10)+12) = 24 \\
8. & ((4-2)+(12+10)) = 24 \\
9. & ((10-(2*4))*12) = 24 \\
10. & (((4/2)+12)+10) = 24 \\
11. & (((4/2)+10)+12) = 24 \\
12. & ((4/2)+(12+10)) = 24 \\
13. & (12-((2-10)-4)) = 24 \\
14. & ((4-(2-10))+12) = 24 \\
15. & (4-((2-10)-12)) = 24 \\
16. & ((12-(2-10))+4) = 24 \\
17. & ((4+12)-(2-10)) = 24 \\
18. & (((10-2)+4)+12) = 24 \\
19. & (((10-2)/4)*12) = 24
\end{aligned}$$

$$\begin{aligned}
20. & (12/(4/(10-2))) = 24 \\
21. & (((10-2)+12)+4) = 24 \\
22. & (((10-2)*12)/4) = 24 \\
23. & ((10-2)+(4+12)) = 24 \\
24. & ((10-2)/(4/12)) = 24 \\
25. & ((10-2)*(12/4)) = 24 \\
26. & (10-((2-12)-4)) = 24 \\
27. & ((4-(2-12))+10) = 24 \\
28. & (4-((2-12)-10)) = 24 \\
29. & ((10-(2-12))+4) = 24 \\
30. & ((4+10)-(2-12)) = 24 \\
31. & (((12-2)+4)+10) = 24 \\
32. & (((12-2)+10)+4) = 24 \\
33. & ((12-2)+(4+10)) = 24 \\
34. & (12-(2-(4+10))) = 24 \\
35. & (((4+10)-2)+12) = 24 \\
36. & (((4+10)+12)-2) = 24 \\
37. & (12-(2*(4-10))) = 24 \\
38. & ((2*(10-4))+12) = 24 \\
39. & (12/((10/4)-2)) = 24 \\
40. & (10-(2-(4+12))) = 24 \\
41. & (((4+12)-2)+10) = 24 \\
42. & (((4+12)+10)-2) = 24 \\
43. & ((10+12)-(2-4)) = 24 \\
44. & ((4-2)+(10+12)) = 24 \\
45. & ((4/2)+(10+12)) = 24 \\
46. & (4-(2-(10+12))) = 24 \\
47. & (((10+12)-2)+4) = 24 \\
48. & ((4+(10+12))-2) = 24
\end{aligned}$$

648. [2, 4, 10, 13]

$$\begin{aligned}
1. & ((2*4)*(13-10)) = 24 \\
2. & ((2*(4+13))-10) = 24 \\
3. & ((2*(13-10))*4) = 24 \\
4. & (2*(4*(13-10))) = 24
\end{aligned}$$

649. [2, 4, 11, 11]

$$\begin{aligned}
1. & (11-((2-4)-11)) = 24 \\
2. & ((11-(2-4))+11) = 24 \\
3. & ((11+11)-(2-4)) = 24 \\
4. & (((4-2)+11)+11) = 24 \\
5. & ((4-2)+(11+11)) = 24 \\
6. & (((4/2)+11)+11) = 24 \\
7. & ((4/2)+(11+11)) = 24 \\
8. & (11-((2-11)-4)) = 24 \\
9. & ((4-(2-11))+11) = 24 \\
10. & (4-((2-11)-11)) = 24 \\
11. & ((11-(2-11))+4) = 24 \\
12. & ((4+11)-(2-11)) = 24
\end{aligned}$$

$$\begin{aligned}
13. & (((11-2)+4)+11) = 24 \\
14. & (((11-2)+11)+4) = 24 \\
15. & ((11-2)+(4+11)) = 24 \\
16. & (11-(2-(4+11))) = 24 \\
17. & (((4+11)-2)+11) = 24 \\
18. & (((4+11)+11)-2) = 24 \\
19. & (4-(2-(11+11))) = 24 \\
20. & (((11+11)-2)+4) = 24 \\
21. & ((4+(11+11))-2) = 24
\end{aligned}$$

650. [2, 4, 11, 12]

$$1. (((11-2)*4)-12) = 24$$

651. [2, 4, 11, 13]

无解

652. [2, 4, 12, 12]

$$\begin{aligned}
1. & (12/((2+4)/12)) = 24 \\
2. & ((12/(2+4))*12) = 24 \\
3. & ((12*12)/(2+4)) = 24 \\
4. & ((4*12)-(2*12)) = 24 \\
5. & (((12/2)-4)*12) = 24 \\
6. & ((12-(12/2))*4) = 24
\end{aligned}$$

653. [2, 4, 12, 13]

无解

654. [2, 4, 13, 13]

$$\begin{aligned}
1. & (((2-4)+13)+13) = 24 \\
2. & ((2-4)+(13+13)) = 24 \\
3. & (13-((4-2)-13)) = 24 \\
4. & ((13-(4-2))+13) = 24 \\
5. & ((13+13)-(4-2)) = 24 \\
6. & (13-((4/2)-13)) = 24 \\
7. & ((13-(4/2))+13) = 24 \\
8. & ((13+13)-(4/2)) = 24 \\
9. & (((2+13)-4)+13) = 24 \\
10. & (13-(4-(2+13))) = 24 \\
11. & (((2+13)+13)-4) = 24 \\
12. & ((2+13)-(4-13)) = 24 \\
13. & ((2+13)+(13-4)) = 24 \\
14. & ((2-(4-13))+13) = 24 \\
15. & (13-((4-13)-2)) = 24 \\
16. & (2-((4-13)-13)) = 24 \\
17. & (2+(13-(4-13))) = 24 \\
18. & ((2+(13-4))+13) = 24 \\
19. & (2+((13-4)+13)) = 24 \\
20. & ((2+(13+13))-4) = 24 \\
21. & (2-(4-(13+13))) = 24
\end{aligned}$$

$$22. (2+((13+13)-4)) = 24$$

655. [2, 5, 5, 5]

无解

656. [2, 5, 5, 6]

无解

657. [2, 5, 5, 7]

$$1. (((2*7)+5)+5) = 24$$

$$2. ((2*7)+(5+5)) = 24$$

658. [2, 5, 5, 8]

$$1. ((2+(5/5))*8) = 24$$

659. [2, 5, 5, 9]

$$\begin{aligned}
1. & (9-((2-5)*5)) = 24 \\
2. & (((5-2)*5)+9) = 24 \\
3. & (((2*5)+9)+5) = 24 \\
4. & (((2*5)+5)+9) = 24 \\
5. & ((2*5)+(9+5)) = 24 \\
6. & ((2*5)+(5+9)) = 24
\end{aligned}$$

660. [2, 5, 5, 10]

$$1. ((5-(2/10))*5) = 24$$

661. [2, 5, 5, 11]

$$\begin{aligned}
1. & (((2+5)*5)-11) = 24 \\
2. & (2*((5/5)+11)) = 24
\end{aligned}$$

662. [2, 5, 5, 12]

$$\begin{aligned}
1. & (((2+5)+12)+5) = 24 \\
2. & (((2+5)+5)+12) = 24 \\
3. & (((2+5)-5)*12) = 24 \\
4. & ((2+5)+(12+5)) = 24 \\
5. & (((2-5)+5)*12) = 24 \\
6. & ((5-(5-2))*12) = 24 \\
7. & (((2*5)*12)/5) = 24 \\
8. & (((2*5)/5)*12) = 24 \\
9. & (12/(5/(2*5))) = 24 \\
10. & ((2*5)*(12/5)) = 24 \\
11. & ((2*5)/(5/12)) = 24 \\
12. & (((2/5)*12)*5) = 24 \\
13. & (((2/5)*5)*12) = 24 \\
14. & ((2/5)*(12*5)) = 24 \\
15. & (5/((5/2)/12)) = 24 \\
16. & ((12/(5/2))*5) = 24 \\
17. & (12/((5/2)/5)) = 24 \\
18. & ((5/(5/2))*12) = 24
\end{aligned}$$

$$\begin{aligned}
19. & ((12*5)/(5/2)) = 24 \\
20. & ((2+5)+(5+12)) = 24 \\
21. & ((2/5)*(5*12)) = 24 \\
22. & ((5*12)/(5/2)) = 24 \\
23. & (((2+12)+5)+5) = 24 \\
24. & ((2+12)+(5+5)) = 24 \\
25. & (((2*12)+5)-5) = 24 \\
26. & (((2*12)-5)+5) = 24 \\
27. & (5-(5-(2*12))) = 24 \\
28. & (((2*12)*5)/5) = 24 \\
29. & (((2*12)/5)*5) = 24 \\
30. & (5/(5/(2*12))) = 24 \\
31. & ((2*12)+(5-5)) = 24 \\
32. & ((2*12)-(5-5)) = 24 \\
33. & ((2*12)*(5/5)) = 24 \\
34. & ((2*12)/(5/5)) = 24 \\
35. & ((2+(5+5))+12) = 24 \\
36. & (2+((5+5)+12)) = 24 \\
37. & ((2+(5-5))*12) = 24 \\
38. & ((2-(5-5))*12) = 24 \\
39. & (2*((5-5)+12)) = 24 \\
40. & (2*(12-(5-5))) = 24 \\
41. & ((2*(5/5))*12) = 24 \\
42. & ((2/(5/5))*12) = 24 \\
43. & (12/((5/5)/2)) = 24 \\
44. & (2*((5/5)*12)) = 24 \\
45. & (2/((5/5)/12)) = 24 \\
46. & (2*(12/(5/5))) = 24 \\
47. & ((2+(5+12))+5) = 24 \\
48. & (2+((5+12)+5)) = 24 \\
49. & (2*((5+12)-5)) = 24 \\
50. & (2*(5-(5-12))) = 24 \\
51. & (2*((12-5)+5)) = 24 \\
52. & ((2*(5*12))/5) = 24 \\
53. & (2*((5*12)/5)) = 24 \\
54. & (2/(5/(5*12))) = 24 \\
55. & ((2/(5/12))*5) = 24 \\
56. & (5/((5/12)/2)) = 24 \\
57. & (2/((5/12)/5)) = 24 \\
58. & (2*(5/(5/12))) = 24 \\
59. & ((2*(12/5))*5) = 24 \\
60. & (2*((12/5)*5)) = 24 \\
61. & (2+(5+(5+12))) = 24 \\
62. & (2*(5+(12-5))) = 24 \\
63. & (2*(5*(12/5))) = 24
\end{aligned}$$

663. [2, 5, 5, 13]

$$\begin{aligned}
1. & ((2-5)*(5-13)) = 24 \\
2. & ((5-2)*(13-5)) = 24
\end{aligned}$$

$$\begin{aligned}
3. & (2*((5*5)-13)) = 24 \\
4. & (2*(13-(5/5))) = 24
\end{aligned}$$

664. [2, 5, 6, 6]

$$\begin{aligned}
1. & (6-((2-5)*6)) = 24 \\
2. & (((5-2)*6)+6) = 24 \\
3. & (((2*5)-6)*6) = 24
\end{aligned}$$

665. [2, 5, 6, 7]

$$\begin{aligned}
1. & (((2-5)+7)*6) = 24 \\
2. & ((7-(5-2))*6) = 24 \\
3. & (((2*6)+5)+7) = 24 \\
4. & (((2*6)+7)+5) = 24 \\
5. & ((2*6)+(5+7)) = 24 \\
6. & ((2*6)*(7-5)) = 24 \\
7. & (((2+7)-5)*6) = 24 \\
8. & ((2-(5-7))*6) = 24 \\
9. & ((2+(7-5))*6) = 24 \\
10. & ((2*(7-5))*6) = 24 \\
11. & (2*((7-5)*6)) = 24
\end{aligned}$$

666. [2, 5, 6, 8]

$$\begin{aligned}
1. & (((2-5)+6)*8) = 24 \\
2. & ((6-(5-2))*8) = 24 \\
3. & (((2*5)+8)+6) = 24 \\
4. & (((2*5)+6)+8) = 24 \\
5. & ((2*5)+(8+6)) = 24 \\
6. & (((2+6)-5)*8) = 24 \\
7. & ((2+6)*(8-5)) = 24 \\
8. & ((2-8)+(5*6)) = 24 \\
9. & (((8-2)*5)-6) = 24 \\
10. & ((5*6)-(8-2)) = 24 \\
11. & ((2-(5-6))*8) = 24 \\
12. & ((2+(6-5))*8) = 24 \\
13. & ((2+(5*6))-8) = 24 \\
14. & (2+((5*6)-8)) = 24 \\
15. & (2-(8-(5*6))) = 24 \\
16. & ((2*5)+(6+8)) = 24
\end{aligned}$$

667. [2, 5, 6, 9]

$$\begin{aligned}
1. & ((6/(2/5))+9) = 24 \\
2. & (((5/2)*6)+9) = 24 \\
3. & ((5/(2/6))+9) = 24 \\
4. & (((6/2)*5)+9) = 24 \\
5. & (((5*6)/2)+9) = 24
\end{aligned}$$

668. [2, 5, 6, 10]

$$\begin{aligned}
1. & (((5-2)*10)-6) = 24 \\
2. & (((2/5)*10)*6) = 24
\end{aligned}$$

$$\begin{aligned}
3. & (((2/5)*6)*10) = 24 \\
4. & ((2/5)*(10*6)) = 24 \\
5. & (6/((5/2)/10)) = 24 \\
6. & ((10/(5/2))*6) = 24 \\
7. & (10/((5/2)/6)) = 24 \\
8. & ((6/(5/2))*10) = 24 \\
9. & ((10*6)/(5/2)) = 24 \\
10. & (((2*6)/5)*10) = 24 \\
11. & (10/(5/(2*6))) = 24 \\
12. & (((2*6)*10)/5) = 24 \\
13. & ((2*6)/(5/10)) = 24 \\
14. & ((2*6)*(10/5)) = 24 \\
15. & (((2*10)/5)*6) = 24 \\
16. & (6/(5/(2*10))) = 24 \\
17. & (((2*10)*6)/5) = 24 \\
18. & ((2*10)/(5/6)) = 24 \\
19. & ((2*10)*(6/5)) = 24 \\
20. & ((2/(5/6))*10) = 24 \\
21. & (10/((5/6)/2)) = 24 \\
22. & (2/((5/6)/10)) = 24 \\
23. & (2*(10/(5/6))) = 24 \\
24. & ((2*(6/5))*10) = 24 \\
25. & (2*((6/5)*10)) = 24 \\
26. & ((2*(5+10))-6) = 24 \\
27. & ((2/(5/10))*6) = 24 \\
28. & (6/((5/10)/2)) = 24 \\
29. & (2/((5/10)/6)) = 24 \\
30. & (2*(6/(5/10))) = 24 \\
31. & ((2+(10/5))*6) = 24 \\
32. & ((2*(10/5))*6) = 24 \\
33. & (2*((10/5)*6)) = 24 \\
34. & ((2/5)*(6*10)) = 24 \\
35. & ((6*10)/(5/2)) = 24 \\
36. & ((2*(6*10))/5) = 24 \\
37. & (2/(5/(6*10))) = 24 \\
38. & (2*((6*10)/5)) = 24
\end{aligned}$$

669. [2, 5, 6, 11]

$$\begin{aligned}
1. & (((2+5)+11)+6) = 24 \\
2. & ((11-(2+5))*6) = 24 \\
3. & (((2+5)+6)+11) = 24 \\
4. & ((2+5)+(11+6)) = 24 \\
5. & (((2+6)+5)+11) = 24 \\
6. & (((2+6)+11)+5) = 24 \\
7. & ((2+6)+(5+11)) = 24 \\
8. & ((2-6)*(5-11)) = 24 \\
9. & ((6-2)*(11-5)) = 24 \\
10. & (((2+11)+5)+6) = 24 \\
11. & (((2+11)+6)+5) = 24
\end{aligned}$$

$$\begin{aligned}
12. & ((2+11)+(5+6)) = 24 \\
13. & (((11-2)-5)*6) = 24 \\
14. & ((2+(5+6))+11) = 24 \\
15. & (2+((5+6)+11)) = 24 \\
16. & (2*(11-(5-6))) = 24 \\
17. & (2*((6-5)+11)) = 24 \\
18. & ((2+(5+11))+6) = 24 \\
19. & (2+((5+11)+6)) = 24 \\
20. & (2*(6-(5-11))) = 24 \\
21. & (((11-5)-2)*6) = 24 \\
22. & (2*((11-5)+6)) = 24 \\
23. & ((2+5)+(6+11)) = 24 \\
24. & ((2+(6+11))+5) = 24 \\
25. & (2+(5+(6+11))) = 24 \\
26. & (2*((6+11)-5)) = 24
\end{aligned}$$

670. [2, 5, 6, 12]

$$\begin{aligned}
1. & (6/((5-2)/12)) = 24 \\
2. & ((12/(5-2))*6) = 24 \\
3. & (12/((5-2)/6)) = 24 \\
4. & ((6/(5-2))*12) = 24 \\
5. & ((12*6)/(5-2)) = 24 \\
6. & ((12/(2/5))-6) = 24 \\
7. & (((5/2)*12)-6) = 24 \\
8. & ((5-(6/2))*12) = 24 \\
9. & ((2*12)*(6-5)) = 24 \\
10. & ((2*12)/(6-5)) = 24 \\
11. & ((5/(2/12))-6) = 24 \\
12. & (((12/2)*5)-6) = 24 \\
13. & ((5*6)-(12/2)) = 24 \\
14. & ((2*(6-5))*12) = 24 \\
15. & ((2/(6-5))*12) = 24 \\
16. & (12/((6-5)/2)) = 24 \\
17. & (2*((6-5)*12)) = 24 \\
18. & (2/((6-5)/12)) = 24 \\
19. & (2*(12/(6-5))) = 24 \\
20. & (((5*12)/2)-6) = 24 \\
21. & ((6*12)/(5-2)) = 24
\end{aligned}$$

671. [2, 5, 6, 13]

$$\begin{aligned}
1. & ((13-5)/(2/6)) = 24 \\
2. & ((6/2)*(13-5)) = 24 \\
3. & (2*((5-6)+13)) = 24 \\
4. & (2*(13-(6-5))) = 24 \\
5. & (2*((5+13)-6)) = 24 \\
6. & (6/(2/(13-5))) = 24 \\
7. & (((13-5)/2)*6) = 24 \\
8. & (((13-5)*6)/2) = 24 \\
9. & (2*(5-(6-13))) = 24
\end{aligned}$$

$$10. (2*(5+(13-6))) = 24$$

$$672. [2, 5, 7, 7]$$

$$1. (((2*5)+7)+7) = 24$$

$$2. ((2*5)+(7+7)) = 24$$

$$673. [2, 5, 7, 8]$$

$$1. (((2*5)-7)*8) = 24$$

$$674. [2, 5, 7, 9]$$

$$1. ((5*7)-(2+9)) = 24$$

$$2. (((5*7)-2)-9) = 24$$

$$3. (((5*7)-9)-2) = 24$$

$$675. [2, 5, 7, 10]$$

$$1. (((2+5)+10)+7) = 24$$

$$2. (((2+5)+7)+10) = 24$$

$$3. ((2+5)+(10+7)) = 24$$

$$4. (((2+7)+5)+10) = 24$$

$$5. (((2+7)+10)+5) = 24$$

$$6. ((2+7)+(5+10)) = 24$$

$$7. (((2+10)+5)+7) = 24$$

$$8. (((2+10)+7)+5) = 24$$

$$9. ((2+10)+(5+7)) = 24$$

$$10. ((2+10)*(7-5)) = 24$$

$$11. ((2+(5+7))+10) = 24$$

$$12. (2+((5+7)+10)) = 24$$

$$13. (2*(10-(5-7))) = 24$$

$$14. (2*((7-5)+10)) = 24$$

$$15. ((2+(5+10))+7) = 24$$

$$16. (2+((5+10)+7)) = 24$$

$$17. (2*(7-(5-10))) = 24$$

$$18. (2*((10-5)+7)) = 24$$

$$19. ((2+5)+(7+10)) = 24$$

$$20. ((2+(7+10))+5) = 24$$

$$21. (2+(5+(7+10))) = 24$$

$$22. (2*((7+10)-5)) = 24$$

$$676. [2, 5, 7, 11]$$

$$1. (((2*11)-5)+7) = 24$$

$$2. (7-(5-(2*11))) = 24$$

$$3. (((2*11)+7)-5) = 24$$

$$4. ((2*11)-(5-7)) = 24$$

$$5. ((2*11)+(7-5)) = 24$$

$$6. (2-((5-7)*11)) = 24$$

$$7. (2+((7-5)*11)) = 24$$

$$8. (((5*11)-7)/2) = 24$$

$$677. [2, 5, 7, 12]$$

无解

$$678. [2, 5, 7, 13]$$

$$1. ((2-13)+(5*7)) = 24$$

$$2. ((5*7)-(13-2)) = 24$$

$$3. (((2*13)+5)-7) = 24$$

$$4. (((2*13)-7)+5) = 24$$

$$5. (5-(7-(2*13))) = 24$$

$$6. ((2*13)+(5-7)) = 24$$

$$7. ((2*13)-(7-5)) = 24$$

$$8. (((7-5)*13)-2) = 24$$

$$9. ((2+(5*7))-13) = 24$$

$$10. (((5*7)+13)/2) = 24$$

$$11. (2+((5*7)-13)) = 24$$

$$12. (2-(13-(5*7))) = 24$$

$$679. [2, 5, 8, 8]$$

$$1. ((5*8)-(2*8)) = 24$$

$$2. (((5*8)+8)/2) = 24$$

$$680. [2, 5, 8, 9]$$

$$1. (((2+5)+9)+8) = 24$$

$$2. (((2+5)+8)+9) = 24$$

$$3. ((2+5)+(9+8)) = 24$$

$$4. (8/((5-2)/9)) = 24$$

$$5. ((9/(5-2))*8) = 24$$

$$6. (9/((5-2)/8)) = 24$$

$$7. ((8/(5-2))*9) = 24$$

$$8. ((9*8)/(5-2)) = 24$$

$$9. (((2+8)+5)+9) = 24$$

$$10. (((2+8)+9)+5) = 24$$

$$11. ((2+8)+(5+9)) = 24$$

$$12. ((2-8)*(5-9)) = 24$$

$$13. ((8-2)*(9-5)) = 24$$

$$14. (((2+9)+5)+8) = 24$$

$$15. (((2+9)+8)+5) = 24$$

$$16. ((2+9)+(5+8)) = 24$$

$$17. ((2+(5+8))+9) = 24$$

$$18. (2+((5+8)+9)) = 24$$

$$19. (2*(9-(5-8))) = 24$$

$$20. (2*((8-5)+9)) = 24$$

$$21. ((2+(5+9))+8) = 24$$

$$22. (2+((5+9)+8)) = 24$$

$$23. (2*(8-(5-9))) = 24$$

$$24. (2*((9-5)+8)) = 24$$

$$25. ((2+5)+(8+9)) = 24$$

$$26. ((2+(8+9))+5) = 24$$

$$27. (2+(5+(8+9))) = 24$$

$$28. (2*((8+9)-5)) = 24$$

$$29. ((8*9)/(5-2)) = 24$$

$$681. [2, 5, 8, 10]$$

$$1. ((10-(2+5))*8) = 24$$

$$2. ((2-10)*(5-8)) = 24$$

$$3. (((10-2)-5)*8) = 24$$

$$4. ((10-2)*(8-5)) = 24$$

$$5. (((10-5)-2)*8) = 24$$

$$682. [2, 5, 8, 11]$$

$$1. (((11-5)/(2/8)) = 24$$

$$2. ((8/2)*(11-5)) = 24$$

$$3. ((2*(5+11))-8) = 24$$

$$4. (8/(2/(11-5))) = 24$$

$$5. (((11-5)/2)*8) = 24$$

$$6. (((11-5)*8)/2) = 24$$

$$683. [2, 5, 8, 12]$$

$$1. (((2*5)-8)*12) = 24$$

$$2. (((2+8)/5)*12) = 24$$

$$3. (12/(5/(2+8))) = 24$$

$$4. (((2+8)*12)/5) = 24$$

$$5. ((2+8)/(5/12)) = 24$$

$$6. ((2+8)*(12/5)) = 24$$

$$684. [2, 5, 8, 13]$$

$$1. (8-((2-5)-13)) = 24$$

$$2. ((13-(2-5))+8) = 24$$

$$3. (13-((2-5)-8)) = 24$$

$$4. ((8-(2-5))+13) = 24$$

$$5. ((13+8)-(2-5)) = 24$$

$$6. (((5-2)+13)+8) = 24$$

$$7. (((5-2)+8)+13) = 24$$

$$8. ((5-2)+(13+8)) = 24$$

$$9. ((13-(2*5))*8) = 24$$

$$10. (13-((2-8)-5)) = 24$$

$$11. ((5-(2-8))+13) = 24$$

$$12. (5-((2-8)-13)) = 24$$

$$13. ((13-(2-8))+5) = 24$$

$$14. ((5+13)-(2-8)) = 24$$

$$15. (((8-2)+5)+13) = 24$$

$$16. (((8-2)+13)+5) = 24$$

$$17. ((8-2)+(5+13)) = 24$$

$$18. (((2*8)-5)+13) = 24$$

$$19. (13-(5-(2*8))) = 24$$

$$20. (((2*8)+13)-5) = 24$$

$$21. ((2*8)-(5-13)) = 24$$

$$22. ((2*8)+(13-5)) = 24$$

$$23. (((2+13)/5)*8) = 24$$

$$24. (8/(5/(2+13))) = 24$$

$$25. (((2+13)*8)/5) = 24$$

$$26. ((2+13)/(5/8)) = 24$$

$$27. ((2+13)*(8/5)) = 24$$

$$28. (8-((2-13)-5)) = 24$$

$$29. ((5-(2-13))+8) = 24$$

$$30. (5-((2-13)-8)) = 24$$

$$31. ((8-(2-13))+5) = 24$$

$$32. ((5+8)-(2-13)) = 24$$

$$33. (((13-2)+5)+8) = 24$$

$$34. (((13-2)+8)+5) = 24$$

$$35. ((13-2)+(5+8)) = 24$$

$$36. (13-(2-(5+8))) = 24$$

$$37. (((5+8)-2)+13) = 24$$

$$38. (((5+8)+13)-2) = 24$$

$$39. (8-(2-(5+13))) = 24$$

$$40. (((5+13)-2)+8) = 24$$

$$41. (((5+13)+8)-2) = 24$$

$$42. (8-(2*(5-13))) = 24$$

$$43. ((2*(13-5))+8) = 24$$

$$44. ((8+13)-(2-5)) = 24$$

$$45. ((5-2)+(8+13)) = 24$$

$$46. (5-(2-(8+13))) = 24$$

$$47. (((8+13)-2)+5) = 24$$

$$48. ((5+(8+13))-2) = 24$$

$$685. [2, 5, 9, 9]$$

无解

$$686. [2, 5, 9, 10]$$

$$1. (((2*10)-5)+9) = 24$$

$$2. (9-(5-(2*10))) = 24$$

$$3. (((2*10)+9)-5) = 24$$

$$4. ((2*10)-(5-9)) = 24$$

$$5. ((2*10)+(9-5)) = 24$$

$$687. [2, 5, 9, 11]$$

$$1. (((5-2)*11)-9) = 24$$

$$2. (((9-2)*5)-11) = 24$$

$$3. (((2*9)-5)+11) = 24$$

$$4. (11-(5-(2*9))) = 24$$

$$5. (((2*9)+11)-5) = 24$$

$$6. ((2*9)-(5-11)) = 24$$

$$7. ((2*9)+(11-5)) = 24$$

$$688. [2, 5, 9, 12]$$

$$1. ((9-(2+5))*12) = 24$$

$$2. (9-((2-5)-12)) = 24$$

$$3. ((12-(2-5))+9) = 24$$

$$\begin{aligned}
&4. (12 - ((2-5)-9)) = 24 \\
&5. ((9-(2-5))+12) = 24 \\
&6. ((12+9)-(2-5)) = 24 \\
&7. (((5-2)+12)+9) = 24 \\
&8. (((5-2)+9)+12) = 24 \\
&9. ((5-2)+(12+9)) = 24 \\
&10. (12 - ((2-9)-5)) = 24 \\
&11. ((5-(2-9))+12) = 24 \\
&12. (5 - ((2-9)-12)) = 24 \\
&13. ((12-(2-9))+5) = 24 \\
&14. ((5+12)-(2-9)) = 24 \\
&15. (((9-2)+5)+12) = 24 \\
&16. (((9-2)-5)*12) = 24 \\
&17. (((9-2)+12)+5) = 24 \\
&18. ((9-2)+(5+12)) = 24 \\
&19. (12/(5-(9/2))) = 24 \\
&20. (9 - ((2-12)-5)) = 24 \\
&21. ((5-(2-12))+9) = 24 \\
&22. (5 - ((2-12)-9)) = 24 \\
&23. ((9-(2-12))+5) = 24 \\
&24. ((5+9)-(2-12)) = 24 \\
&25. (((12-2)+5)+9) = 24 \\
&26. (((12-2)+9)+5) = 24 \\
&27. ((12-2)+(5+9)) = 24 \\
&28. ((9-5)/(2/12)) = 24 \\
&29. ((12/2)*(9-5)) = 24 \\
&30. (12 - (2 - (5+9))) = 24 \\
&31. (((5+9)-2)+12) = 24 \\
&32. (((5+9)+12)-2) = 24 \\
&33. (((9-5)-2)*12) = 24 \\
&34. (12/(2/(9-5))) = 24 \\
&35. (((9-5)/2)*12) = 24 \\
&36. (((9-5)*12)/2) = 24 \\
&37. (9 - (2 - (5+12))) = 24 \\
&38. (((5+12)-2)+9) = 24 \\
&39. (((5+12)+9)-2) = 24 \\
&40. ((9+12)-(2-5)) = 24 \\
&41. ((5-2)+(9+12)) = 24 \\
&42. (5 - (2 - (9+12))) = 24 \\
&43. (((9+12)-2)+5) = 24 \\
&44. ((5+(9+12))-2) = 24
\end{aligned}$$

689. [2, 5, 9, 13]

无解

690. [2, 5, 10, 10]

$$\begin{aligned}
&1. (((2+10)/5)*10) = 24 \\
&2. (10/(5/(2+10))) = 24 \\
&3. (((2+10)*10)/5) = 24
\end{aligned}$$

$$\begin{aligned}
&4. ((2+10)/(5/10)) = 24 \\
&5. ((2+10)*(10/5)) = 24 \\
&6. (2*((10/5)+10)) = 24
\end{aligned}$$

691. [2, 5, 10, 11]

$$\begin{aligned}
&1. (10 - ((2-5)-11)) = 24 \\
&2. ((11-(2-5))+10) = 24 \\
&3. (11 - ((2-5)-10)) = 24 \\
&4. ((10-(2-5))+11) = 24 \\
&5. ((11+10)-(2-5)) = 24 \\
&6. (((5-2)+11)+10) = 24 \\
&7. (((5-2)+10)+11) = 24 \\
&8. ((5-2)+(11+10)) = 24 \\
&9. (11 - ((2-10)-5)) = 24 \\
&10. ((5-(2-10))+11) = 24 \\
&11. (5 - ((2-10)-11)) = 24 \\
&12. ((11-(2-10))+5) = 24 \\
&13. ((5+11)-(2-10)) = 24 \\
&14. (((10-2)+5)+11) = 24 \\
&15. (((10-2)+11)+5) = 24 \\
&16. ((10-2)+(5+11)) = 24 \\
&17. (10 - ((2-11)-5)) = 24 \\
&18. ((5-(2-11))+10) = 24 \\
&19. (5 - ((2-11)-10)) = 24 \\
&20. ((10-(2-11))+5) = 24 \\
&21. ((5+10)-(2-11)) = 24 \\
&22. (((11-2)+5)+10) = 24 \\
&23. (((11-2)+10)+5) = 24 \\
&24. ((11-2)+(5+10)) = 24 \\
&25. ((2*11)+(10/5)) = 24 \\
&26. (11 - (2 - (5+10))) = 24 \\
&27. (((5+10)-2)+11) = 24 \\
&28. (((5+10)+11)-2) = 24 \\
&29. (2 + (11/(5/10))) = 24 \\
&30. (2 + ((10/5)*11)) = 24 \\
&31. (10 - (2 - (5+11))) = 24 \\
&32. (((5+11)-2)+10) = 24 \\
&33. (((5+11)+10)-2) = 24 \\
&34. (2 + (10/(5/11))) = 24 \\
&35. (2 + ((11/5)*10)) = 24 \\
&36. ((10+11)-(2-5)) = 24 \\
&37. ((5-2)+(10+11)) = 24 \\
&38. (5 - (2 - (10+11))) = 24 \\
&39. (((10+11)-2)+5) = 24 \\
&40. ((5+(10+11))-2) = 24 \\
&41. (2 + ((10*11)/5)) = 24
\end{aligned}$$

692. [2, 5, 10, 12]

$$1. ((2*(5+12))-10) = 24$$

$$\begin{aligned}
&2. (10 - (2*(5-12))) = 24 \\
&3. ((2*(12-5))+10) = 24
\end{aligned}$$

693. [2, 5, 10, 13]

$$\begin{aligned}
&1. ((5*10)-(2*13)) = 24 \\
&2. ((2*13)-(10/5)) = 24 \\
&3. ((13/(5/10))-2) = 24 \\
&4. (((10/5)*13)-2) = 24 \\
&5. ((10/(5/13))-2) = 24 \\
&6. (((13/5)*10)-2) = 24 \\
&7. (((10*13)/5)-2) = 24
\end{aligned}$$

694. [2, 5, 11, 11]

无解

695. [2, 5, 11, 12]

$$\begin{aligned}
&1. (12/((11/2)-5)) = 24 \\
&2. (12 - (2*(5-11))) = 24 \\
&3. ((2*(11-5))+12) = 24
\end{aligned}$$

696. [2, 5, 11, 13]

无解

697. [2, 5, 12, 12]

$$\begin{aligned}
&1. (((5-2)*12)-12) = 24 \\
&2. ((12-(2*5))*12) = 24 \\
&3. (((12-2)/5)*12) = 24 \\
&4. (12/(5/(12-2))) = 24 \\
&5. (((12-2)*12)/5) = 24 \\
&6. ((12-2)/(5/12)) = 24 \\
&7. ((12-2)*(12/5)) = 24 \\
&8. (((5*12)-12)/2) = 24
\end{aligned}$$

698. [2, 5, 12, 13]

$$\begin{aligned}
&1. (((12/2)+5)+13) = 24 \\
&2. (((12/2)+13)+5) = 24 \\
&3. ((12/2)+(5+13)) = 24 \\
&4. ((2*(5+13))-12) = 24
\end{aligned}$$

699. [2, 5, 13, 13]

无解

700. [2, 6, 6, 6]

$$\begin{aligned}
&1. (((2*6)+6)+6) = 24 \\
&2. ((2*6)+(6+6)) = 24 \\
&3. ((6*6)-(2*6)) = 24 \\
&4. ((6/(2/6))+6) = 24 \\
&5. (((6/2)*6)+6) = 24 \\
&6. (((6*6)/2)+6) = 24
\end{aligned}$$

701. [2, 6, 6, 7]

$$\begin{aligned}
&1. (((7-(6/2))*6) = 24 \\
&2. (((7-2)*6)-6) = 24 \\
&3. (((6*7)+6)/2) = 24 \\
&4. ((6+(6*7))/2) = 24
\end{aligned}$$

702. [2, 6, 6, 8]

$$\begin{aligned}
&1. (((2-6)+8)*6) = 24 \\
&2. ((8-(6-2))*6) = 24 \\
&3. (((2*6)-8)*6) = 24 \\
&4. ((2*6)*(8-6)) = 24 \\
&5. ((6-(6/2))*8) = 24 \\
&6. (((2+8)-6)*6) = 24 \\
&7. ((2+(6/6))*8) = 24 \\
&8. ((2-(6-8))*6) = 24 \\
&9. ((2+(8-6))*6) = 24 \\
&10. ((2*(8-6))*6) = 24 \\
&11. (2*((8-6)*6)) = 24 \\
&12. (2*(6*(8-6))) = 24
\end{aligned}$$

703. [2, 6, 6, 9]

$$\begin{aligned}
&1. ((2+6)*(9-6)) = 24 \\
&2. ((2*(6+9))-6) = 24 \\
&3. (((6*9)-6)/2) = 24
\end{aligned}$$

704. [2, 6, 6, 10]

$$\begin{aligned}
&1. (((2+6)+10)+6) = 24 \\
&2. (((2+6)+6)+10) = 24 \\
&3. ((2+6)+(10+6)) = 24 \\
&4. ((10/(2/6))-6) = 24 \\
&5. (((6/2)*10)-6) = 24 \\
&6. ((2+6)+(6+10)) = 24 \\
&7. (((2+10)+6)+6) = 24 \\
&8. ((2+10)+(6+6)) = 24 \\
&9. ((6*6)-(2+10)) = 24 \\
&10. ((6/(2/10))-6) = 24 \\
&11. (((10/2)*6)-6) = 24 \\
&12. ((2+(6+6))+10) = 24 \\
&13. (2 + ((6+6)+10)) = 24 \\
&14. (((6*6)-2)-10) = 24 \\
&15. (((6*6)-10)-2) = 24 \\
&16. ((2+(6+10))+6) = 24 \\
&17. (2 + ((6+10)+6)) = 24 \\
&18. (((6*10)/2)-6) = 24 \\
&19. (2 + (6 + (6+10))) = 24
\end{aligned}$$

705. [2, 6, 6, 11]

$$1. (2*((6/6)+11)) = 24$$

706. [2, 6, 6, 12]

1. $((12-(2+6))*6) = 24$
2. $((((2+6)-6)*12) = 24$
3. $((((2-6)+6)*12) = 24$
4. $((2-6)*(6-12)) = 24$
5. $((6-(6-2))*12) = 24$
6. $((6-2)*(12-6)) = 24$
7. $((((2*6)*12)/6) = 24$
8. $((((2*6)/6)*12) = 24$
9. $(12/(6/(2*6))) = 24$
10. $((2*6)*(12/6)) = 24$
11. $((2*6)/(6/12)) = 24$
12. $((((2/6)*12)*6) = 24$
13. $((((2/6)*6)*12) = 24$
14. $((2/6)*(12*6)) = 24$
15. $(6/((6/2)/12)) = 24$
16. $((12/(6/2))*6) = 24$
17. $(12/((6/2)/6)) = 24$
18. $((6/(6/2))*12) = 24$
19. $((12*6)/(6/2)) = 24$
20. $((2/6)*(6*12)) = 24$
21. $((6*12)/(6/2)) = 24$
22. $((((12-2)-6)*6) = 24$
23. $((((2*12)+6)-6) = 24$
24. $((((2*12)-6)+6) = 24$
25. $(6-(6-(2*12))) = 24$
26. $((((2*12)*6)/6) = 24$
27. $((((2*12)/6)*6) = 24$
28. $(6/(6/(2*12))) = 24$
29. $((2*12)+(6-6)) = 24$
30. $((2*12)-(6-6)) = 24$
31. $((2*12)*(6/6)) = 24$
32. $((2*12)/(6/6)) = 24$
33. $((2+(6-6))*12) = 24$
34. $((2-(6-6))*12) = 24$
35. $(2*((6-6)+12)) = 24$
36. $(2*(12-(6-6))) = 24$
37. $((((6*6)+12)/2) = 24$
38. $((2*(6/6))*12) = 24$
39. $((2/(6/6))*12) = 24$
40. $(12/((6/6)/2)) = 24$
41. $(2*((6/6)*12)) = 24$
42. $(2/((6/6)/12)) = 24$
43. $(2*(12/(6/6))) = 24$
44. $(2*((6+12)-6)) = 24$
45. $(2*(6-(6-12))) = 24$
46. $((((12-6)-2)*6) = 24$
47. $(2*((12-6)+6)) = 24$

48. $((2*(6*12))/6) = 24$
49. $(2*((6*12)/6)) = 24$
50. $(2/(6/(6*12))) = 24$
51. $((2/(6/12))*6) = 24$
52. $(6/((6/12)/2)) = 24$
53. $(2/((6/12)/6)) = 24$
54. $(2*(6/(6/12))) = 24$
55. $((2+(12/6))*6) = 24$
56. $((2*(12/6))*6) = 24$
57. $(2*((12/6)*6)) = 24$
58. $(2*(6+(12-6))) = 24$
59. $(2*(6*(12/6))) = 24$

707. [2, 6, 6, 13]

1. $(2*(13-(6/6))) = 24$

708. [2, 6, 7, 7]

无解

709. [2, 6, 7, 8]

1. $((((2-6)+7)*8) = 24$
2. $((7-(6-2))*8) = 24$
3. $((((2+7)-6)*8) = 24$
4. $((2-(6-7))*8) = 24$
5. $((2+(7-6))*8) = 24$
6. $((2*(7+8))-6) = 24$

710. [2, 6, 7, 9]

1. $((((2+6)+9)+7) = 24$
2. $((((2+6)+7)+9) = 24$
3. $((2+6)+(9+7)) = 24$
4. $((2*6)*(9-7)) = 24$
5. $((((2+7)+6)+9) = 24$
6. $((((2+7)+9)+6) = 24$
7. $((2+7)+(6+9)) = 24$
8. $((((2-7)+9)*6) = 24$
9. $((9-(7-2))*6) = 24$
10. $((((2+9)+6)+7) = 24$
11. $((((2+9)+7)+6) = 24$
12. $((((2+9)-7)*6) = 24$
13. $((2+9)+(6+7)) = 24$
14. $((6*7)-(2*9)) = 24$
15. $((2+(6+7))+9) = 24$
16. $(2+((6+7)+9)) = 24$
17. $((2+(6+9))+7) = 24$
18. $(2+((6+9)+7)) = 24$
19. $((2+6)+(7+9)) = 24$
20. $((2+(7+9))+6) = 24$
21. $(2+(6+(7+9))) = 24$

22. $((2-(7-9))*6) = 24$
23. $((2+(9-7))*6) = 24$
24. $((2*(9-7))*6) = 24$
25. $(2*(6*(9-7))) = 24$

711. [2, 6, 7, 10]

1. $((2+6)*(10-7)) = 24$
2. $((((2*7)-10)*6) = 24$

712. [2, 6, 7, 11]

1. $(2*(11-(6-7))) = 24$
2. $(2*((7-6)+11)) = 24$
3. $(2*(7-(6-11))) = 24$
4. $(2*((11-6)+7)) = 24$
5. $(2*((7+11)-6)) = 24$

713. [2, 6, 7, 12]

1. $((2*12)*(7-6)) = 24$
2. $((2*12)/(7-6)) = 24$
3. $((2*(7-6))*12) = 24$
4. $((2/(7-6))*12) = 24$
5. $(12/((7-6)/2)) = 24$
6. $(2*((7-6)*12)) = 24$
7. $(2/((7-6)/12)) = 24$
8. $(2*(12/(7-6))) = 24$

714. [2, 6, 7, 13]

1. $(7-((2-6)-13)) = 24$
2. $((13-(2-6))+7) = 24$
3. $(13-((2-6)-7)) = 24$
4. $((7-(2-6))+13) = 24$
5. $((13+7)-(2-6)) = 24$
6. $((2-6)*(7-13)) = 24$
7. $((((6-2)+13)+7) = 24$
8. $((((6-2)+7)+13) = 24$
9. $((6-2)+(13+7)) = 24$
10. $((6-2)*(13-7)) = 24$
11. $((13-(2+7))*6) = 24$
12. $(13-((2-7)-6)) = 24$
13. $((6-(2-7))+13) = 24$
14. $(6-((2-7)-13)) = 24$
15. $((13-(2-7))+6) = 24$
16. $((6+13)-(2-7)) = 24$
17. $((((7-2)+6)+13) = 24$
18. $((((7-2)+13)+6) = 24$
19. $((7-2)+(6+13)) = 24$
20. $(7-((2-13)-6)) = 24$
21. $((6-(2-13))+7) = 24$
22. $(6-((2-13)-7)) = 24$

23. $((7-(2-13))+6) = 24$
24. $((6+7)-(2-13)) = 24$
25. $((((13-2)+6)+7) = 24$
26. $((((13-2)+7)+6) = 24$
27. $((((13-2)-7)*6) = 24$
28. $((13-2)+(6+7)) = 24$
29. $(13-(2-(6+7))) = 24$
30. $((((6+7)-2)+13) = 24$
31. $((((6+7)+13)-2) = 24$
32. $(2*((6-7)+13)) = 24$
33. $(2*(13-(7-6))) = 24$
34. $(7-(2-(6+13))) = 24$
35. $((((6+13)-2)+7) = 24$
36. $((((6+13)+7)-2) = 24$
37. $(2*((6+13)-7)) = 24$
38. $((7+13)-(2-6)) = 24$
39. $((6-2)+(7+13)) = 24$
40. $(6-(2-(7+13))) = 24$
41. $((((7+13)-2)+6) = 24$
42. $((6+(7+13))-2) = 24$
43. $(2*(6-(7-13))) = 24$
44. $((((13-7)-2)*6) = 24$
45. $(2*(6+(13-7))) = 24$

715. [2, 6, 8, 8]

1. $((((2+6)+8)+8) = 24$
2. $((2+6)+(8+8)) = 24$
3. $((((6-2)*8)-8) = 24$
4. $((((2+8)+6)+8) = 24$
5. $((((2+8)+8)+6) = 24$
6. $((2+8)+(6+8)) = 24$
7. $((8-(8/2))*6) = 24$
8. $((2+(6+8))+8) = 24$
9. $(2+((6+8)+8)) = 24$
10. $((2+(8+8))+6) = 24$
11. $(2+(6+(8+8))) = 24$

716. [2, 6, 8, 9]

1. $((((2*6)-9)*8) = 24$
2. $((((2/6)*9)*8) = 24$
3. $((((2/6)*8)*9) = 24$
4. $((2/6)*(9*8)) = 24$
5. $(8/((6/2)/9)) = 24$
6. $((9/(6/2))*8) = 24$
7. $(9/((6/2)/8)) = 24$
8. $((8/(6/2))*9) = 24$
9. $((9*8)/(6/2)) = 24$
10. $((((2*8)/6)*9) = 24$
11. $(9/(6/(2*8))) = 24$

$$\begin{aligned}
12. & (((2*8)*9)/6) = 24 \\
13. & ((2*8)/(6/9)) = 24 \\
14. & ((2*8)*(9/6)) = 24 \\
15. & (((2*9)/6)*8) = 24 \\
16. & (8/(6/(2*9))) = 24 \\
17. & (((2*9)*8)/6) = 24 \\
18. & ((2*9)/(6/8)) = 24 \\
19. & ((2*9)*(8/6)) = 24 \\
20. & ((2/(6/8))*9) = 24 \\
21. & (9/((6/8)/2)) = 24 \\
22. & (2/((6/8)/9)) = 24 \\
23. & (2*(9/(6/8))) = 24 \\
24. & ((2*(8/6))*9) = 24 \\
25. & (2*((8/6)*9)) = 24 \\
26. & ((2/(6/9))*8) = 24 \\
27. & (8/((6/9)/2)) = 24 \\
28. & (2/((6/9)/8)) = 24 \\
29. & (2*(8/(6/9))) = 24 \\
30. & ((2*(9/6))*8) = 24 \\
31. & (2*((9/6)*8)) = 24 \\
32. & ((2/6)*(8*9)) = 24 \\
33. & ((8*9)/(6/2)) = 24 \\
34. & ((2*(8*9))/6) = 24 \\
35. & (2/(6/(8*9))) = 24 \\
36. & (2*((8*9)/6)) = 24
\end{aligned}$$

717. [2, 6, 8, 10]

$$\begin{aligned}
1. & ((2*6)*(10-8)) = 24 \\
2. & (((2-8)+10)*6) = 24 \\
3. & ((2-8)*(6-10)) = 24 \\
4. & (((10-(8-2))*6) = 24 \\
5. & ((8-2)*(10-6)) = 24 \\
6. & (((2+10)-8)*6) = 24 \\
7. & ((2+10)*(8-6)) = 24 \\
8. & (2*(10-(6-8))) = 24 \\
9. & (2*((8-6)+10)) = 24 \\
10. & ((2*(6+10))-8) = 24 \\
11. & (2*(8-(6-10))) = 24 \\
12. & (2*((10-6)+8)) = 24 \\
13. & (8/(2-(10/6))) = 24 \\
14. & (2*((8+10)-6)) = 24 \\
15. & ((2-(8-10))*6) = 24 \\
16. & ((2+(10-8))*6) = 24 \\
17. & ((2*(10-8))*6) = 24 \\
18. & (2*(6*(10-8))) = 24
\end{aligned}$$

718. [2, 6, 8, 11]

$$\begin{aligned}
1. & (((11-(2+6))*8) = 24 \\
2. & ((2+6)*(11-8)) = 24
\end{aligned}$$

$$\begin{aligned}
3. & (((11-2)-6)*8) = 24 \\
4. & (((2*11)-6)+8) = 24 \\
5. & (8-(6-(2*11))) = 24 \\
6. & (((2*11)+8)-6) = 24 \\
7. & ((2*11)-(6-8)) = 24 \\
8. & ((2*11)+(8-6)) = 24 \\
9. & (2-((6-8)*11)) = 24 \\
10. & (2+((8-6)*11)) = 24 \\
11. & (((11-6)-2)*8) = 24
\end{aligned}$$

719. [2, 6, 8, 12]

$$\begin{aligned}
1. & (8-((2-6)-12)) = 24 \\
2. & ((12-(2-6))+8) = 24 \\
3. & (12-((2-6)-8)) = 24 \\
4. & ((8-(2-6))+12) = 24 \\
5. & ((12+8)-(2-6)) = 24 \\
6. & (((6-2)+12)+8) = 24 \\
7. & (8/((6-2)/12)) = 24 \\
8. & ((12/(6-2))*8) = 24 \\
9. & (((6-2)+8)+12) = 24 \\
10. & (12/((6-2)/8)) = 24 \\
11. & ((8/(6-2))*12) = 24 \\
12. & ((6-2)+(12+8)) = 24 \\
13. & ((12*8)/(6-2)) = 24 \\
14. & (12-((2-8)-6)) = 24 \\
15. & ((6-(2-8))+12) = 24 \\
16. & (6-((2-8)-12)) = 24 \\
17. & ((12-(2-8))+6) = 24 \\
18. & ((6+12)-(2-8)) = 24 \\
19. & (((8-2)+6)+12) = 24 \\
20. & (((8-2)*6)-12) = 24 \\
21. & (((8-2)+12)+6) = 24 \\
22. & ((8-2)+(6+12)) = 24 \\
23. & (((2*8)-12)*6) = 24 \\
24. & ((12-6)/(2/8)) = 24 \\
25. & ((6-(8/2))*12) = 24 \\
26. & ((8/2)*(12-6)) = 24 \\
27. & (8-((2-12)-6)) = 24 \\
28. & ((6-(2-12))+8) = 24 \\
29. & (6-((2-12)-8)) = 24 \\
30. & ((8-(2-12))+6) = 24 \\
31. & ((6+8)-(2-12)) = 24 \\
32. & (((12-2)+6)+8) = 24 \\
33. & (((12-2)+8)+6) = 24 \\
34. & ((12-2)+(6+8)) = 24 \\
35. & ((6*8)-(2*12)) = 24 \\
36. & (12-(2-(6+8))) = 24 \\
37. & (((6+8)-2)+12) = 24 \\
38. & (((6+8)+12)-2) = 24
\end{aligned}$$

$$\begin{aligned}
39. & (8-(2-(6+12))) = 24 \\
40. & (((6+12)-2)+8) = 24 \\
41. & (((6+12)+8)-2) = 24 \\
42. & (8/(2/(12-6))) = 24 \\
43. & (((12-6)/2)*8) = 24 \\
44. & (((12-6)*8)/2) = 24 \\
45. & ((8+12)-(2-6)) = 24 \\
46. & ((6-2)+(8+12)) = 24 \\
47. & (6-(2-(8+12))) = 24 \\
48. & (((8+12)-2)+6) = 24 \\
49. & ((6+(8+12))-2) = 24 \\
50. & ((8*12)/(6-2)) = 24
\end{aligned}$$

720. [2, 6, 8, 13]

$$\begin{aligned}
1. & (((6/2)+13)+8) = 24 \\
2. & (((6/2)+8)+13) = 24 \\
3. & ((6/2)+(13+8)) = 24 \\
4. & (((2*13)+6)-8) = 24 \\
5. & (((2*13)-8)+6) = 24 \\
6. & (6-(8-(2*13))) = 24 \\
7. & ((2*13)+(6-8)) = 24 \\
8. & ((2*13)-(8-6)) = 24 \\
9. & (((8-6)*13)-2) = 24 \\
10. & ((6/2)+(8+13)) = 24
\end{aligned}$$

721. [2, 6, 9, 9]

$$\begin{aligned}
1. & (2*(9-(6-9))) = 24 \\
2. & (2*((9-6)+9)) = 24 \\
3. & ((2+(6/9))*9) = 24 \\
4. & (2*((9+9)-6)) = 24
\end{aligned}$$

722. [2, 6, 9, 10]

$$\begin{aligned}
1. & ((2-10)*(6-9)) = 24 \\
2. & ((10-2)*(9-6)) = 24 \\
3. & ((9-(10/2))*6) = 24
\end{aligned}$$

723. [2, 6, 9, 11]

$$\begin{aligned}
1. & (9-((2-6)-11)) = 24 \\
2. & ((11-(2-6))+9) = 24 \\
3. & (11-((2-6)-9)) = 24 \\
4. & ((9-(2-6))+11) = 24 \\
5. & ((11+9)-(2-6)) = 24 \\
6. & (((6-2)+11)+9) = 24 \\
7. & (((6-2)+9)+11) = 24 \\
8. & ((6-2)+(11+9)) = 24 \\
9. & ((2*6)*(11-9)) = 24 \\
10. & ((11/(2/6))-9) = 24 \\
11. & (((6/2)*11)-9) = 24 \\
12. & (11-((2-9)-6)) = 24
\end{aligned}$$

$$\begin{aligned}
13. & ((6-(2-9))+11) = 24 \\
14. & (((2-9)+11)*6) = 24 \\
15. & (6-((2-9)-11)) = 24 \\
16. & ((11-(2-9))+6) = 24 \\
17. & ((6+11)-(2-9)) = 24 \\
18. & (((9-2)+6)+11) = 24 \\
19. & (((9-2)+11)+6) = 24 \\
20. & ((11-(9-2))*6) = 24 \\
21. & ((9-2)+(6+11)) = 24 \\
22. & (((2+11)-9)*6) = 24 \\
23. & (9-((2-11)-6)) = 24 \\
24. & ((6-(2-11))+9) = 24 \\
25. & (6-((2-11)-9)) = 24 \\
26. & ((9-(2-11))+6) = 24 \\
27. & ((6+9)-(2-11)) = 24 \\
28. & (((11-2)+6)+9) = 24 \\
29. & (((11-2)+9)+6) = 24 \\
30. & ((11-2)+(6+9)) = 24 \\
31. & ((6/(2/11))-9) = 24 \\
32. & (((11/2)*6)-9) = 24 \\
33. & (11-(2-(6+9))) = 24 \\
34. & (((6+9)-2)+11) = 24 \\
35. & (((6+9)+11)-2) = 24 \\
36. & (9-(2-(6+11))) = 24 \\
37. & (((6+11)-2)+9) = 24 \\
38. & (((6+11)+9)-2) = 24 \\
39. & (((6*11)/2)-9) = 24 \\
40. & ((9+11)-(2-6)) = 24 \\
41. & ((6-2)+(9+11)) = 24 \\
42. & (6-(2-(9+11))) = 24 \\
43. & (((9+11)-2)+6) = 24 \\
44. & ((6+(9+11))-2) = 24 \\
45. & ((2-(9-11))*6) = 24 \\
46. & ((2+(11-9))*6) = 24 \\
47. & ((2*(11-9))*6) = 24 \\
48. & (2*(6*(11-9))) = 24
\end{aligned}$$

724. [2, 6, 9, 12]

$$\begin{aligned}
1. & ((2+6)*(12-9)) = 24 \\
2. & (((6-2)*9)-12) = 24 \\
3. & (((6/2)+12)+9) = 24 \\
4. & (((6/2)+9)+12) = 24 \\
5. & ((6/2)+(12+9)) = 24 \\
6. & (((2*9)-6)+12) = 24 \\
7. & (12-(6-(2*9))) = 24 \\
8. & (((2*9)+12)-6) = 24 \\
9. & ((2*9)-(6-12)) = 24 \\
10. & ((2*9)+(12-6)) = 24 \\
11. & (12/(2-(9/6))) = 24
\end{aligned}$$

$$12. ((6/2)+(9+12)) = 24$$

$$725. [2, 6, 9, 13]$$

无解

$$726. [2, 6, 10, 10]$$

$$1. (10-((2-6)-10)) = 24$$

$$2. ((10-(2-6))+10) = 24$$

$$3. ((10+10)-(2-6)) = 24$$

$$4. (((6-2)+10)+10) = 24$$

$$5. ((6-2)+(10+10)) = 24$$

$$6. (10-((2-10)-6)) = 24$$

$$7. ((6-(2-10))+10) = 24$$

$$8. (6-((2-10)-10)) = 24$$

$$9. ((10-(2-10))+6) = 24$$

$$10. ((6+10)-(2-10)) = 24$$

$$11. (((10-2)+6)+10) = 24$$

$$12. (((10-2)+10)+6) = 24$$

$$13. ((10-2)+(6+10)) = 24$$

$$14. (((2*10)-6)+10) = 24$$

$$15. (10-(6-(2*10))) = 24$$

$$16. (((2*10)+10)-6) = 24$$

$$17. ((2*10)-(6-10)) = 24$$

$$18. ((2*10)+(10-6)) = 24$$

$$19. (10-(2-(6+10))) = 24$$

$$20. (((6+10)-2)+10) = 24$$

$$21. (((6+10)+10)-2) = 24$$

$$22. (6-(2-(10+10))) = 24$$

$$23. (((10+10)-2)+6) = 24$$

$$24. ((6+(10+10))-2) = 24$$

$$727. [2, 6, 10, 11]$$

$$1. (((6/2)+11)+10) = 24$$

$$2. (((6/2)+10)+11) = 24$$

$$3. ((6/2)+(11+10)) = 24$$

$$4. ((2*(6+11))-10) = 24$$

$$5. ((6/2)+(10+11)) = 24$$

$$728. [2, 6, 10, 12]$$

$$1. ((10-(2+6))*12) = 24$$

$$2. (((2*6)-10)*12) = 24$$

$$3. ((2*6)*(12-10)) = 24$$

$$4. (((2+10)/6)*12) = 24$$

$$5. (12/(6/(2+10))) = 24$$

$$6. (((2+10)*12)/6) = 24$$

$$7. ((2+10)/(6/12)) = 24$$

$$8. ((2+10)*(12/6)) = 24$$

$$9. (((2-10)+12)*6) = 24$$

$$10. (((10-2)-6)*12) = 24$$

$$11. ((12-(10-2))*6) = 24$$

$$12. (((2+12)-10)*6) = 24$$

$$13. ((10-6)/(2/12)) = 24$$

$$14. ((10-(12/2))*6) = 24$$

$$15. ((12/2)*(10-6)) = 24$$

$$16. (((10-6)-2)*12) = 24$$

$$17. (12/(2/(10-6))) = 24$$

$$18. (((10-6)/2)*12) = 24$$

$$19. (((10-6)*12)/2) = 24$$

$$20. (((6*10)-12)/2) = 24$$

$$21. (2*((12/6)+10)) = 24$$

$$22. ((2-(10-12))*6) = 24$$

$$23. ((2+(12-10))*6) = 24$$

$$24. ((2*(12-10))*6) = 24$$

$$25. (2*(6*(12-10))) = 24$$

$$729. [2, 6, 10, 13]$$

$$1. ((2+6)*(13-10)) = 24$$

$$2. (((10/2)+6)+13) = 24$$

$$3. (((10/2)+13)+6) = 24$$

$$4. ((10/2)+(6+13)) = 24$$

$$5. (10-(2*(6-13))) = 24$$

$$6. ((2*(13-6))+10) = 24$$

$$730. [2, 6, 11, 11]$$

无解

$$731. [2, 6, 11, 12]$$

$$1. ((2*11)+(12/6)) = 24$$

$$2. (12/(6-(11/2))) = 24$$

$$3. (2+(12/(6/11))) = 24$$

$$4. (2+((11/6)*12)) = 24$$

$$5. (2+(11/(6/12))) = 24$$

$$6. (2+((12/6)*11)) = 24$$

$$7. (2+((11*12)/6)) = 24$$

$$732. [2, 6, 11, 13]$$

$$1. ((2*6)*(13-11)) = 24$$

$$2. (((2-11)+13)*6) = 24$$

$$3. ((13-(11-2))*6) = 24$$

$$4. (((2+13)-11)*6) = 24$$

$$5. ((2-(11-13))*6) = 24$$

$$6. ((2+(13-11))*6) = 24$$

$$7. ((2*(13-11))*6) = 24$$

$$8. (2*(6*(13-11))) = 24$$

$$733. [2, 6, 12, 12]$$

$$1. ((12/(2/6))-12) = 24$$

$$2. (((6/2)*12)-12) = 24$$

$$3. ((6/(2/12))-12) = 24$$

$$4. (((12/2)+6)+12) = 24$$

$$5. (((12/2)*6)-12) = 24$$

$$6. (((12/2)+12)+6) = 24$$

$$7. ((12/2)+(6+12)) = 24$$

$$8. ((2*(6+12))-12) = 24$$

$$9. (12-(2*(6-12))) = 24$$

$$10. ((2*(12-6))+12) = 24$$

$$11. (((6*12)/2)-12) = 24$$

$$734. [2, 6, 12, 13]$$

$$1. ((2*13)-(12/6)) = 24$$

$$2. (12/((13/2)-6)) = 24$$

$$3. ((13/(6/12))-2) = 24$$

$$4. (((12/6)*13)-2) = 24$$

$$5. ((12/(6/13))-2) = 24$$

$$6. (((13/6)*12)-2) = 24$$

$$7. (((12*13)/6)-2) = 24$$

$$735. [2, 6, 13, 13]$$

无解

$$736. [2, 7, 7, 7]$$

无解

$$737. [2, 7, 7, 8]$$

$$1. (((2+7)+8)+7) = 24$$

$$2. (((2+7)+7)+8) = 24$$

$$3. ((2+7)+(8+7)) = 24$$

$$4. ((2+7)+(7+8)) = 24$$

$$5. (((2+8)+7)+7) = 24$$

$$6. ((2+8)+(7+7)) = 24$$

$$7. ((2+(7+7))+8) = 24$$

$$8. (2+((7+7)+8)) = 24$$

$$9. ((2+(7/7))*8) = 24$$

$$10. ((2+(7+8))+7) = 24$$

$$11. (2+((7+8)+7)) = 24$$

$$12. (2+(7+(7+8))) = 24$$

$$738. [2, 7, 7, 9]$$

无解

$$739. [2, 7, 7, 10]$$

$$1. ((2+(10/7))*7) = 24$$

$$740. [2, 7, 7, 11]$$

$$1. (((7-2)*7)-11) = 24$$

$$2. (2*((7/7)+11)) = 24$$

$$741. [2, 7, 7, 12]$$

$$1. (((2+7)-7)*12) = 24$$

$$2. (7-((2-7)-12)) = 24$$

$$3. ((12-(2-7))+7) = 24$$

$$4. (((2-7)+7)*12) = 24$$

$$5. (12-((2-7)-7)) = 24$$

$$6. ((7-(2-7))+12) = 24$$

$$7. ((12+7)-(2-7)) = 24$$

$$8. (((7-2)+12)+7) = 24$$

$$9. (((7-2)+7)+12) = 24$$

$$10. ((7-(7-2))*12) = 24$$

$$11. ((7-2)+(12+7)) = 24$$

$$12. (((2*7)*12)/7) = 24$$

$$13. (((2*7)/7)*12) = 24$$

$$14. (12/(7/(2*7))) = 24$$

$$15. ((2*7)*(12/7)) = 24$$

$$16. ((2*7)/(7/12)) = 24$$

$$17. (((2/7)*12)*7) = 24$$

$$18. (((2/7)*7)*12) = 24$$

$$19. ((2/7)*(12*7)) = 24$$

$$20. (7/((7/2)/12)) = 24$$

$$21. ((12/(7/2))*7) = 24$$

$$22. (12/((7/2)/7)) = 24$$

$$23. ((7/(7/2))*12) = 24$$

$$24. ((12*7)/(7/2)) = 24$$

$$25. ((7+12)-(2-7)) = 24$$

$$26. ((7-2)+(7+12)) = 24$$

$$27. ((2/7)*(7*12)) = 24$$

$$28. ((7*12)/(7/2)) = 24$$

$$29. (7-((2-12)-7)) = 24$$

$$30. ((7-(2-12))+7) = 24$$

$$31. ((7+7)-(2-12)) = 24$$

$$32. (((12-2)+7)+7) = 24$$

$$33. ((12-2)+(7+7)) = 24$$

$$34. (((2*12)+7)-7) = 24$$

$$35. (((2*12)-7)+7) = 24$$

$$36. (7-(7-(2*12))) = 24$$

$$37. (((2*12)*7)/7) = 24$$

$$38. (((2*12)/7)*7) = 24$$

$$39. (7/(7/(2*12))) = 24$$

$$40. ((2*12)+(7-7)) = 24$$

$$41. ((2*12)-(7-7)) = 24$$

$$42. ((2*12)*(7/7)) = 24$$

$$43. ((2*12)/(7/7)) = 24$$

$$44. (12-(2-(7+7))) = 24$$

$$45. (((7+7)-2)+12) = 24$$

$$46. (((7+7)+12)-2) = 24$$

$$47. ((2+(7-7))*12) = 24$$

$$48. ((2-(7-7))*12) = 24$$

$$\begin{aligned}
49. & (2*((7-7)+12)) = 24 \\
50. & (2*(12-(7-7))) = 24 \\
51. & ((2*(7/7))*12) = 24 \\
52. & ((2/(7/7))*12) = 24 \\
53. & (12/((7/7)/2)) = 24 \\
54. & (2*((7/7)*12)) = 24 \\
55. & (2/((7/7)/12)) = 24 \\
56. & (2*(12/(7/7))) = 24 \\
57. & (7-(2-(7+12))) = 24 \\
58. & (((7+12)-2)+7) = 24 \\
59. & (((7+12)+7)-2) = 24 \\
60. & (2*((7+12)-7)) = 24 \\
61. & (2*(7-(7-12))) = 24 \\
62. & (2*((12-7)+7)) = 24 \\
63. & ((2*(7*12))/7) = 24 \\
64. & (2*((7*12)/7)) = 24 \\
65. & (2/(7/(7*12))) = 24 \\
66. & ((2/(7/12))*7) = 24 \\
67. & (7/((7/12)/2)) = 24 \\
68. & (2/((7/12)/7)) = 24 \\
69. & (2*(7/(7/12))) = 24 \\
70. & ((2*(12/7))*7) = 24 \\
71. & (2*((12/7)*7)) = 24 \\
72. & ((7+(7+12))-2) = 24 \\
73. & (2*(7+(12-7))) = 24 \\
74. & (2*(7*(12/7))) = 24
\end{aligned}$$

742. [2, 7, 7, 13]

$$1. (2*(13-(7/7))) = 24$$

743. [2, 7, 8, 8]

$$\begin{aligned}
1. & (((2-7)+8)*8) = 24 \\
2. & ((8-(7-2))*8) = 24 \\
3. & (((2+8)-7)*8) = 24 \\
4. & ((7-(8/2))*8) = 24 \\
5. & ((2-(7-8))*8) = 24 \\
6. & ((2+(8-7))*8) = 24 \\
7. & (((7*8)-8)/2) = 24
\end{aligned}$$

744. [2, 7, 8, 9]

$$1. ((2*(7+9))-8) = 24$$

745. [2, 7, 8, 10]

无解

746. [2, 7, 8, 11]

$$\begin{aligned}
1. & (8-((2-7)-11)) = 24 \\
2. & ((11-(2-7))+8) = 24 \\
3. & (11-((2-7)-8)) = 24
\end{aligned}$$

$$\begin{aligned}
4. & ((8-(2-7))+11) = 24 \\
5. & (((11+8)-(2-7)) = 24 \\
6. & (((7-2)+11)+8) = 24 \\
7. & (((7-2)+8)+11) = 24 \\
8. & ((7-2)+(11+8)) = 24 \\
9. & (((2*7)-11)*8) = 24 \\
10. & (11-((2-8)-7)) = 24 \\
11. & ((7-(2-8))+11) = 24 \\
12. & (7-((2-8)-11)) = 24 \\
13. & (((11-(2-8))+7) = 24 \\
14. & ((7+11)-(2-8)) = 24 \\
15. & ((2-8)*(7-11)) = 24 \\
16. & (((8-2)+7)+11) = 24 \\
17. & (((8-2)+11)+7) = 24 \\
18. & ((8-2)+(7+11)) = 24 \\
19. & ((8-2)*(11-7)) = 24 \\
20. & (8-((2-11)-7)) = 24 \\
21. & ((7-(2-11))+8) = 24 \\
22. & (7-((2-11)-8)) = 24 \\
23. & ((8-(2-11))+7) = 24 \\
24. & ((7+8)-(2-11)) = 24 \\
25. & (((11-2)+7)+8) = 24 \\
26. & (((11-2)+8)+7) = 24 \\
27. & ((11-2)+(7+8)) = 24 \\
28. & (11-(2-(7+8))) = 24 \\
29. & (((7+8)-2)+11) = 24 \\
30. & (((7+8)+11)-2) = 24 \\
31. & (2*(11-(7-8))) = 24 \\
32. & (2*((8-7)+11)) = 24 \\
33. & (8-(2-(7+11))) = 24 \\
34. & (((7+11)-2)+8) = 24 \\
35. & (((7+11)+8)-2) = 24 \\
36. & (2*(8-(7-11))) = 24 \\
37. & (2*((11-7)+8)) = 24 \\
38. & ((8+11)-(2-7)) = 24 \\
39. & ((7-2)+(8+11)) = 24 \\
40. & (7-(2-(8+11))) = 24 \\
41. & (((8+11)-2)+7) = 24 \\
42. & ((7+(8+11))-2) = 24 \\
43. & (2*((8+11)-7)) = 24
\end{aligned}$$

747. [2, 7, 8, 12]

$$\begin{aligned}
1. & ((12-(2+7))*8) = 24 \\
2. & (((12-2)-7)*8) = 24 \\
3. & ((2*12)*(8-7)) = 24 \\
4. & ((2*12)/(8-7)) = 24 \\
5. & ((2*(8-7))*12) = 24 \\
6. & ((2/(8-7))*12) = 24 \\
7. & (12/((8-7)/2)) = 24
\end{aligned}$$

$$\begin{aligned}
8. & (2*((8-7)*12)) = 24 \\
9. & (2/((8-7)/12)) = 24 \\
10. & (2*(12/(8-7))) = 24 \\
11. & (((12-7)-2)*8) = 24
\end{aligned}$$

748. [2, 7, 8, 13]

$$\begin{aligned}
1. & ((13-7)/(2/8)) = 24 \\
2. & (((8/2)+7)+13) = 24 \\
3. & (((8/2)+13)+7) = 24 \\
4. & ((8/2)+(7+13)) = 24 \\
5. & ((8/2)*(13-7)) = 24 \\
6. & (2*((7-8)+13)) = 24 \\
7. & (2*(13-(8-7))) = 24 \\
8. & (2*((7+13)-8)) = 24 \\
9. & (8/(2/(13-7))) = 24 \\
10. & (((13-7)/2)*8) = 24 \\
11. & (((13-7)*8)/2) = 24 \\
12. & (2*(7-(8-13))) = 24 \\
13. & (2*(7+(13-8))) = 24
\end{aligned}$$

749. [2, 7, 9, 9]

无解

750. [2, 7, 9, 10]

$$\begin{aligned}
1. & (9-((2-7)-10)) = 24 \\
2. & ((10-(2-7))+9) = 24 \\
3. & (10-((2-7)-9)) = 24 \\
4. & ((9-(2-7))+10) = 24 \\
5. & ((10+9)-(2-7)) = 24 \\
6. & (((7-2)+10)+9) = 24 \\
7. & (((7-2)+9)+10) = 24 \\
8. & ((7-2)+(10+9)) = 24 \\
9. & (10-((2-9)-7)) = 24 \\
10. & ((7-(2-9))+10) = 24 \\
11. & (7-((2-9)-10)) = 24 \\
12. & ((10-(2-9))+7) = 24 \\
13. & ((7+10)-(2-9)) = 24 \\
14. & (((9-2)+7)+10) = 24 \\
15. & (((9-2)+10)+7) = 24 \\
16. & ((9-2)+(7+10)) = 24 \\
17. & ((2+10)*(9-7)) = 24 \\
18. & (9-((2-10)-7)) = 24 \\
19. & ((7-(2-10))+9) = 24 \\
20. & (7-((2-10)-9)) = 24 \\
21. & ((9-(2-10))+7) = 24 \\
22. & ((7+9)-(2-10)) = 24 \\
23. & (((10-2)+7)+9) = 24 \\
24. & (((10-2)+9)+7) = 24 \\
25. & ((10-2)+(7+9)) = 24
\end{aligned}$$

$$\begin{aligned}
26. & (10-(2-(7+9))) = 24 \\
27. & (((7+9)-2)+10) = 24 \\
28. & (((7+9)+10)-2) = 24 \\
29. & (2*(10-(7-9))) = 24 \\
30. & (2*((9-7)+10)) = 24 \\
31. & (9-(2-(7+10))) = 24 \\
32. & (((7+10)-2)+9) = 24 \\
33. & (((7+10)+9)-2) = 24 \\
34. & (2*(9-(7-10))) = 24 \\
35. & (2*((10-7)+9)) = 24 \\
36. & ((9+10)-(2-7)) = 24 \\
37. & ((7-2)+(9+10)) = 24 \\
38. & (7-(2-(9+10))) = 24 \\
39. & (((9+10)-2)+7) = 24 \\
40. & ((7+(9+10))-2) = 24 \\
41. & (2*((9+10)-7)) = 24
\end{aligned}$$

751. [2, 7, 9, 11]

$$\begin{aligned}
1. & (((2*11)-7)+9) = 24 \\
2. & (9-(7-(2*11))) = 24 \\
3. & (((2*11)+9)-7) = 24 \\
4. & ((2*11)-(7-9)) = 24 \\
5. & ((2*11)+(9-7)) = 24 \\
6. & (2-((7-9)*11)) = 24 \\
7. & (2+((9-7)*11)) = 24
\end{aligned}$$

752. [2, 7, 9, 12]

无解

753. [2, 7, 9, 13]

$$\begin{aligned}
1. & (((2*9)-7)+13) = 24 \\
2. & (13-(7-(2*9))) = 24 \\
3. & (((2*9)+13)-7) = 24 \\
4. & ((2*9)-(7-13)) = 24 \\
5. & ((2*9)+(13-7)) = 24 \\
6. & (((2*13)+7)-9) = 24 \\
7. & (((2*13)-9)+7) = 24 \\
8. & (7-(9-(2*13))) = 24 \\
9. & ((2*13)+(7-9)) = 24 \\
10. & ((2*13)-(9-7)) = 24 \\
11. & (((9-7)*13)-2) = 24
\end{aligned}$$

754. [2, 7, 10, 10]

$$\begin{aligned}
1. & ((2-10)*(7-10)) = 24 \\
2. & ((10-2)*(10-7)) = 24 \\
3. & ((2*(7+10))-10) = 24
\end{aligned}$$

755. [2, 7, 10, 11]

$$1. ((10/(2/7))-11) = 24$$

$$\begin{aligned}
&2. (((7/2)*10)-11) = 24 \\
&3. (((2*10)-7)+11) = 24 \\
&4. (11-(7-(2*10))) = 24 \\
&5. (((2*10)+11)-7) = 24 \\
&6. ((2*10)-(7-11)) = 24 \\
&7. ((2*10)+(11-7)) = 24 \\
&8. ((7/(2/10))-11) = 24 \\
&9. (((10/2)*7)-11) = 24 \\
&10. (((7*10)/2)-11) = 24
\end{aligned}$$

$$756. [2, 7, 10, 12]$$

$$\begin{aligned}
&1. (10/((7-2)/12)) = 24 \\
&2. ((12/(7-2))*10) = 24 \\
&3. (12/((7-2)/10)) = 24 \\
&4. ((10/(7-2))*12) = 24 \\
&5. (((2*10)/(7-2)) = 24 \\
&6. (((10/2)+7)+12) = 24 \\
&7. ((7-(10/2))*12) = 24 \\
&8. (((10/2)+12)+7) = 24 \\
&9. ((10/2)+(7+12)) = 24 \\
&10. ((10*12)/(7-2)) = 24
\end{aligned}$$

$$757. [2, 7, 10, 13]$$

无解

$$758. [2, 7, 11, 11]$$

无解

$$759. [2, 7, 11, 12]$$

$$\begin{aligned}
&1. (((11-(2+7))*12) = 24 \\
&2. (((11-2)-7)*12) = 24 \\
&3. ((11-7)/(2/12)) = 24 \\
&4. (((12/2)+7)+11) = 24 \\
&5. (((12/2)+11)+7) = 24 \\
&6. ((12/2)+(7+11)) = 24 \\
&7. ((12/2)*(11-7)) = 24 \\
&8. ((2*(7+11))-12) = 24 \\
&9. (((11-7)-2)*12) = 24 \\
&10. (12/(2/(11-7))) = 24 \\
&11. (((11-7)/2)*12) = 24 \\
&12. (((11-7)*12)/2) = 24
\end{aligned}$$

$$760. [2, 7, 11, 13]$$

无解

$$761. [2, 7, 12, 12]$$

$$\begin{aligned}
&1. (((2*7)-12)*12) = 24 \\
&2. (((2+12)/7)*12) = 24 \\
&3. (12/(7/(2+12))) = 24
\end{aligned}$$

$$\begin{aligned}
&4. (((2+12)*12)/7) = 24 \\
&5. ((2+12)/(7/12)) = 24 \\
&6. ((2+12)*(12/7)) = 24
\end{aligned}$$

$$762. [2, 7, 12, 13]$$

$$\begin{aligned}
&1. (12/(7-(13/2))) = 24 \\
&2. (12-(2*(7-13))) = 24 \\
&3. ((2*(13-7))+12) = 24
\end{aligned}$$

$$763. [2, 7, 13, 13]$$

无解

$$764. [2, 8, 8, 8]$$

$$\begin{aligned}
&1. ((8/(2/8))-8) = 24 \\
&2. (((8/2)*8)-8) = 24 \\
&3. ((2*(8+8))-8) = 24 \\
&4. (((8*8)/2)-8) = 24 \\
&5. ((2+(8/8))*8) = 24
\end{aligned}$$

$$765. [2, 8, 8, 9]$$

$$\begin{aligned}
&1. (((2-8)+9)*8) = 24 \\
&2. ((9-(8-2))*8) = 24 \\
&3. (((2+9)-8)*8) = 24 \\
&4. ((2-(8-9))*8) = 24 \\
&5. ((2+(9-8))*8) = 24
\end{aligned}$$

$$766. [2, 8, 8, 10]$$

$$\begin{aligned}
&1. (8-((2-8)-10)) = 24 \\
&2. ((10-(2-8))+8) = 24 \\
&3. (10-((2-8)-8)) = 24 \\
&4. ((8-(2-8))+10) = 24 \\
&5. ((10+8)-(2-8)) = 24 \\
&6. (((8-2)+10)+8) = 24 \\
&7. (((8-2)+8)+10) = 24 \\
&8. ((8-2)+(10+8)) = 24 \\
&9. ((8+10)-(2-8)) = 24 \\
&10. ((8-2)+(8+10)) = 24 \\
&11. (8-((2-10)-8)) = 24 \\
&12. ((8-(2-10))+8) = 24 \\
&13. ((8+8)-(2-10)) = 24 \\
&14. (((10-2)+8)+8) = 24 \\
&15. ((10-2)+(8+8)) = 24 \\
&16. ((8-(10/2))*8) = 24 \\
&17. (10-(2-(8+8))) = 24 \\
&18. (((8+8)-2)+10) = 24 \\
&19. (((8+8)+10)-2) = 24 \\
&20. (8-(2-(8+10))) = 24 \\
&21. (((8+10)-2)+8) = 24 \\
&22. (((8+10)+8)-2) = 24
\end{aligned}$$

$$23. ((8+(8+10))-2) = 24$$

$$767. [2, 8, 8, 11]$$

$$1. (2*((8/8)+11)) = 24$$

$$768. [2, 8, 8, 12]$$

$$\begin{aligned}
&1. (((2+8)-8)*12) = 24 \\
&2. (((2-8)+8)*12) = 24 \\
&3. ((2-8)*(8-12)) = 24 \\
&4. ((8-(8-2))*12) = 24 \\
&5. ((8-2)*(12-8)) = 24 \\
&6. (((2*8)*12)/8) = 24 \\
&7. (((2*8)/8)*12) = 24 \\
&8. (12/(8/(2*8))) = 24 \\
&9. ((2*8)*(12/8)) = 24 \\
&10. ((2*8)/(8/12)) = 24 \\
&11. (((2/8)*12)*8) = 24 \\
&12. (((2/8)*8)*12) = 24 \\
&13. ((2/8)*(12*8)) = 24 \\
&14. (((8/2)+12)+8) = 24 \\
&15. (8/((8/2)/12)) = 24 \\
&16. ((12/(8/2))*8) = 24 \\
&17. (((8/2)+8)+12) = 24 \\
&18. (12/((8/2)/8)) = 24 \\
&19. ((8/(8/2))*12) = 24 \\
&20. ((8/2)+(12+8)) = 24 \\
&21. ((12*8)/(8/2)) = 24 \\
&22. ((2/8)*(8*12)) = 24 \\
&23. ((8/2)+(8+12)) = 24 \\
&24. ((8*12)/(8/2)) = 24 \\
&25. (((2*12)+8)-8) = 24 \\
&26. (((2*12)-8)+8) = 24 \\
&27. (8-(8-(2*12))) = 24 \\
&28. (((2*12)*8)/8) = 24 \\
&29. (((2*12)/8)*8) = 24 \\
&30. (8/(8/(2*12))) = 24 \\
&31. ((2*12)+(8-8)) = 24 \\
&32. ((2*12)-(8-8)) = 24 \\
&33. ((2*12)*(8/8)) = 24 \\
&34. ((2*12)/(8/8)) = 24 \\
&35. ((2+(8-8))*12) = 24 \\
&36. ((2-(8-8))*12) = 24 \\
&37. (2*((8-8)+12)) = 24 \\
&38. (2*(12-(8-8))) = 24 \\
&39. ((2*(8/8))*12) = 24 \\
&40. ((2/(8/8))*12) = 24 \\
&41. (12/((8/8)/2)) = 24 \\
&42. (2*((8/8)*12)) = 24 \\
&43. (2/((8/8)/12)) = 24
\end{aligned}$$

$$44. (2*(12/(8/8))) = 24$$

$$\begin{aligned}
&45. (2*((8+12)-8)) = 24 \\
&46. (2*(8-(8-12))) = 24 \\
&47. (2*((12-8)+8)) = 24 \\
&48. ((2*(8*12))/8) = 24 \\
&49. (2*((8*12)/8)) = 24 \\
&50. (2/(8/(8*12))) = 24 \\
&51. ((2/(8/12))*8) = 24 \\
&52. (8/((8/12)/2)) = 24 \\
&53. (2/((8/12)/8)) = 24 \\
&54. (2*(8/(8/12))) = 24 \\
&55. ((2*(12/8))*8) = 24 \\
&56. (2*((12/8)*8)) = 24 \\
&57. (2*(8+(12-8))) = 24 \\
&58. (2*(8*(12/8))) = 24
\end{aligned}$$

$$769. [2, 8, 8, 13]$$

$$\begin{aligned}
&1. ((13-(2+8))*8) = 24 \\
&2. (((2*8)-13)*8) = 24 \\
&3. (((13-2)-8)*8) = 24 \\
&4. (2*(13-(8/8))) = 24 \\
&5. (((13-8)-2)*8) = 24
\end{aligned}$$

$$770. [2, 8, 9, 9]$$

$$\begin{aligned}
&1. (9-((2-8)-9)) = 24 \\
&2. ((9-(2-8))+9) = 24 \\
&3. ((9+9)-(2-8)) = 24 \\
&4. (((8-2)+9)+9) = 24 \\
&5. ((8-2)+(9+9)) = 24 \\
&6. (9-((2-9)-8)) = 24 \\
&7. ((8-(2-9))+9) = 24 \\
&8. (8-((2-9)-9)) = 24 \\
&9. ((9-(2-9))+8) = 24 \\
&10. ((8+9)-(2-9)) = 24 \\
&11. (((9-2)+8)+9) = 24 \\
&12. (((9-2)+9)+8) = 24 \\
&13. ((9-2)+(8+9)) = 24 \\
&14. (9-(2-(8+9))) = 24 \\
&15. (((8+9)-2)+9) = 24 \\
&16. (((8+9)+9)-2) = 24 \\
&17. (8-(2-(9+9))) = 24 \\
&18. (((9+9)-2)+8) = 24 \\
&19. ((8+(9+9))-2) = 24 \\
&20. ((2+(9/9))*8) = 24
\end{aligned}$$

$$771. [2, 8, 9, 10]$$

$$\begin{aligned}
&1. (((2-9)+10)*8) = 24 \\
&2. ((10-(9-2))*8) = 24 \\
&3. (((2+10)-9)*8) = 24
\end{aligned}$$

$$4. ((2*(8+9))-10) = 24$$

$$5. ((2-(9-10))*8) = 24$$

$$6. ((2+(10-9))*8) = 24$$

$$772. [2, 8, 9, 11]$$

$$1. (((8/2)+11)+9) = 24$$

$$2. (((8/2)+9)+11) = 24$$

$$3. ((8/2)+(11+9)) = 24$$

$$4. (2*(11-(8-9))) = 24$$

$$5. (2*((9-8)+11)) = 24$$

$$6. (2*(9-(8-11))) = 24$$

$$7. (2*((11-8)+9)) = 24$$

$$8. ((8/2)+(9+11)) = 24$$

$$9. (2*((9+11)-8)) = 24$$

$$773. [2, 8, 9, 12]$$

$$1. (((9/(2/8))-12) = 24$$

$$2. (((8/2)*9)-12) = 24$$

$$3. (((8/(2/9))-12) = 24$$

$$4. (((9/2)*8)-12) = 24$$

$$5. ((2*12)*(9-8)) = 24$$

$$6. ((2*12)/(9-8)) = 24$$

$$7. ((9-(12/2))*8) = 24$$

$$8. ((2*(9-8))*12) = 24$$

$$9. ((2/(9-8))*12) = 24$$

$$10. (12/((9-8)/2)) = 24$$

$$11. (2*((9-8)*12)) = 24$$

$$12. (2/((9-8)/12)) = 24$$

$$13. (2*(12/(9-8))) = 24$$

$$14. (((8*9)/2)-12) = 24$$

$$15. ((2+(8/12))*9) = 24$$

$$774. [2, 8, 9, 13]$$

$$1. ((2-8)*(9-13)) = 24$$

$$2. ((8-2)*(13-9)) = 24$$

$$3. (2*((8-9)+13)) = 24$$

$$4. (2*(13-(9-8))) = 24$$

$$5. (2*((8+13)-9)) = 24$$

$$6. (9/(2-(13/8))) = 24$$

$$7. (2*(8-(9-13))) = 24$$

$$8. (2*(8+(13-9))) = 24$$

$$775. [2, 8, 10, 10]$$

$$1. (((8/2)+10)+10) = 24$$

$$2. ((8/2)+(10+10)) = 24$$

$$3. ((2+10)*(10-8)) = 24$$

$$4. (2*(10-(8-10))) = 24$$

$$5. (2*((10-8)+10)) = 24$$

$$6. (2*((10+10)-8)) = 24$$

$$7. ((2+(10/10))*8) = 24$$

$$776. [2, 8, 10, 11]$$

$$1. (((2-10)+11)*8) = 24$$

$$2. ((2-10)*(8-11)) = 24$$

$$3. (((11-(10-2))*8) = 24$$

$$4. ((10-2)*(11-8)) = 24$$

$$5. (((10/2)+8)+11) = 24$$

$$6. (((10/2)+11)+8) = 24$$

$$7. ((10/2)+(8+11)) = 24$$

$$8. (((2+11)-10)*8) = 24$$

$$9. (((2*11)-8)+10) = 24$$

$$10. (10-(8-(2*11))) = 24$$

$$11. (((2*11)+10)-8) = 24$$

$$12. ((2*11)-(8-10)) = 24$$

$$13. ((2*11)+(10-8)) = 24$$

$$14. (2-((8-10)*11)) = 24$$

$$15. (2+((10-8)*11)) = 24$$

$$16. ((2-(10-11))*8) = 24$$

$$17. ((2+(11-10))*8) = 24$$

$$777. [2, 8, 10, 12]$$

$$1. (((2*10)-8)+12) = 24$$

$$2. (12-(8-(2*10))) = 24$$

$$3. (((2*10)+12)-8) = 24$$

$$4. ((2*10)-(8-12)) = 24$$

$$5. ((2*10)+(12-8)) = 24$$

$$6. (((12/2)+8)+10) = 24$$

$$7. (((12/2)+10)+8) = 24$$

$$8. ((12/2)+(8+10)) = 24$$

$$9. ((2*(8+10))-12) = 24$$

$$778. [2, 8, 10, 13]$$

$$1. (((2*13)+8)-10) = 24$$

$$2. (((2*13)-10)+8) = 24$$

$$3. (8-(10-(2*13))) = 24$$

$$4. ((2*13)+(8-10)) = 24$$

$$5. ((2*13)-(10-8)) = 24$$

$$6. (((10-8)*13)-2) = 24$$

$$779. [2, 8, 11, 11]$$

$$1. ((2+(11/11))*8) = 24$$

$$780. [2, 8, 11, 12]$$

$$1. (((2-11)+12)*8) = 24$$

$$2. ((12-(11-2))*8) = 24$$

$$3. (((2+12)-11)*8) = 24$$

$$4. ((2-(11-12))*8) = 24$$

$$5. ((2+(12-11))*8) = 24$$

$$781. [2, 8, 11, 13]$$

无解

$$782. [2, 8, 12, 12]$$

$$1. (((12-(2+8))*12) = 24$$

$$2. (12/((8-2)/12)) = 24$$

$$3. ((12/(8-2))*12) = 24$$

$$4. ((12*12)/(8-2)) = 24$$

$$5. (((12-2)-8)*12) = 24$$

$$6. ((12-8)/(2/12)) = 24$$

$$7. ((8-(12/2))*12) = 24$$

$$8. ((12/2)*(12-8)) = 24$$

$$9. (((12-8)-2)*12) = 24$$

$$10. (12/(2/(12-8))) = 24$$

$$11. (((12-8)/2)*12) = 24$$

$$12. (((12-8)*12)/2) = 24$$

$$13. (12/(2-(12/8))) = 24$$

$$14. ((2+(12/12))*8) = 24$$

$$783. [2, 8, 12, 13]$$

$$1. (((2-12)+13)*8) = 24$$

$$2. ((13-(12-2))*8) = 24$$

$$3. (((2+13)-12)*8) = 24$$

$$4. ((2-(12-13))*8) = 24$$

$$5. ((2+(13-12))*8) = 24$$

$$784. [2, 8, 13, 13]$$

$$1. ((2+(13/13))*8) = 24$$

$$785. [2, 9, 9, 9]$$

无解

$$786. [2, 9, 9, 10]$$

无解

$$787. [2, 9, 9, 11]$$

$$1. (2*((9/9)+11)) = 24$$

$$788. [2, 9, 9, 12]$$

$$1. (((2+9)-9)*12) = 24$$

$$2. (((2-9)+9)*12) = 24$$

$$3. ((9-(9-2))*12) = 24$$

$$4. (((2*9)*12)/9) = 24$$

$$5. (((2*9)/9)*12) = 24$$

$$6. (12/(9/(2*9))) = 24$$

$$7. ((2*9)*(12/9)) = 24$$

$$8. ((2*9)/(9/12)) = 24$$

$$9. (((2/9)*12)*9) = 24$$

$$10. (((2/9)*9)*12) = 24$$

$$11. ((2/9)*(12*9)) = 24$$

$$12. (9/((9/2)/12)) = 24$$

$$13. ((12/(9/2))*9) = 24$$

$$14. (12/((9/2)/9)) = 24$$

$$15. ((9/(9/2))*12) = 24$$

$$16. ((12*9)/(9/2)) = 24$$

$$17. ((2/9)*(9*12)) = 24$$

$$18. ((9*12)/(9/2)) = 24$$

$$19. (((2*12)+9)-9) = 24$$

$$20. (((2*12)-9)+9) = 24$$

$$21. (9-(9-(2*12))) = 24$$

$$22. (((2*12)*9)/9) = 24$$

$$23. (((2*12)/9)*9) = 24$$

$$24. (9/(9/(2*12))) = 24$$

$$25. ((2*12)+(9-9)) = 24$$

$$26. ((2*12)-(9-9)) = 24$$

$$27. ((2*12)*(9/9)) = 24$$

$$28. ((2*12)/(9/9)) = 24$$

$$29. (((12/2)+9)+9) = 24$$

$$30. ((12/2)+(9+9)) = 24$$

$$31. ((2*(9+9))-12) = 24$$

$$32. ((2+(9-9))*12) = 24$$

$$33. ((2-(9-9))*12) = 24$$

$$34. (2*((9-9)+12)) = 24$$

$$35. (2*(12-(9-9))) = 24$$

$$36. ((2*(9/9))*12) = 24$$

$$37. ((2/(9/9))*12) = 24$$

$$38. (12/((9/9)/2)) = 24$$

$$39. (2*((9/9)*12)) = 24$$

$$40. (2/((9/9)/12)) = 24$$

$$41. (2*(12/(9/9))) = 24$$

$$42. (2*((9+12)-9)) = 24$$

$$43. (2*(9-(9-12))) = 24$$

$$44. (2*((12-9)+9)) = 24$$

$$45. ((2*(9*12))/9) = 24$$

$$46. (2*((9*12)/9)) = 24$$

$$47. (2/(9/(9*12))) = 24$$

$$48. ((2/(9/12))*9) = 24$$

$$49. (9/((9/12)/2)) = 24$$

$$50. (2/((9/12)/9)) = 24$$

$$51. (2*(9/(9/12))) = 24$$

$$52. ((2*(12/9))*9) = 24$$

$$53. (2*((12/9)*9)) = 24$$

$$54. (2*(9+(12-9))) = 24$$

$$55. (2*(9*(12/9))) = 24$$

$$789. [2, 9, 9, 13]$$

$$1. (2*(13-(9/9))) = 24$$

790. [2, 9, 10, 10]

1. $((10/2)+9)+10 = 24$
2. $((10/2)+10)+9 = 24$
3. $((10/2)+(9+10)) = 24$

791. [2, 9, 10, 11]

1. $((2+10)*(11-9)) = 24$
2. $(2*(11-(9-10))) = 24$
3. $(2*((10-9)+11)) = 24$
4. $(2*(10-(9-11))) = 24$
5. $(2*((11-9)+10)) = 24$
6. $(2*((10+11)-9)) = 24$

792. [2, 9, 10, 12]

1. $((2-10)*(9-12)) = 24$
2. $((10-2)*(12-9)) = 24$
3. $((2*12)*(10-9)) = 24$
4. $((2*12)/(10-9)) = 24$
5. $((2*(10-9))*12) = 24$
6. $((2/(10-9))*12) = 24$
7. $(12/((10-9)/2)) = 24$
8. $(2*((10-9)*12)) = 24$
9. $(2/((10-9)/12)) = 24$
10. $(2*(12/(10-9))) = 24$

793. [2, 9, 10, 13]

1. $((2*10)-9)+13 = 24$
2. $(13-(9-(2*10))) = 24$
3. $((2*10)+13)-9 = 24$
4. $((2*10)-(9-13)) = 24$
5. $((2*10)+(13-9)) = 24$
6. $(2*((9-10)+13)) = 24$
7. $(2*(13-(10-9))) = 24$
8. $(2*((9+13)-10)) = 24$
9. $(2*(9-(10-13))) = 24$
10. $(2*(9+(13-10))) = 24$

794. [2, 9, 11, 11]

1. $((2*11)-9)+11 = 24$
2. $(11-(9-(2*11))) = 24$
3. $((2*11)+11)-9 = 24$
4. $((2*11)-(9-11)) = 24$
5. $((2*11)+(11-9)) = 24$
6. $(2-((9-11)*11)) = 24$
7. $(2+((11-9)*11)) = 24$

795. [2, 9, 11, 12]

无解

796. [2, 9, 11, 13]

1. $((2*13)+9)-11 = 24$
2. $((2*13)-11)+9 = 24$
3. $(9-(11-(2*13))) = 24$
4. $((2*13)+(9-11)) = 24$
5. $((2*13)-(11-9)) = 24$
6. $((11-9)*13)-2 = 24$

797. [2, 9, 12, 12]

无解

798. [2, 9, 12, 13]

1. $((13-(2+9))*12) = 24$
2. $((13-9)/(2/12)) = 24$
3. $((12/2)*(13-9)) = 24$
4. $((13-2)-9)*12 = 24$
5. $((13-9)-2)*12 = 24$
6. $(12/(2/(13-9))) = 24$
7. $((13-9)/2)*12 = 24$
8. $((13-9)*12)/2 = 24$

799. [2, 9, 13, 13]

1. $((9+13)/2)+13 = 24$

800. [2, 10, 10, 10]

无解

801. [2, 10, 10, 11]

1. $(2*((10/10)+11)) = 24$

802. [2, 10, 10, 12]

1. $((2+10)-10)*12 = 24$
2. $((2+10)*(12-10)) = 24$
3. $((2-10)+10)*12 = 24$
4. $((10-(10-2))*12) = 24$
5. $((2*10)*12)/10 = 24$
6. $((2*10)/10)*12 = 24$
7. $(12/(10/(2*10))) = 24$
8. $((2*10)*(12/10)) = 24$
9. $((2*10)/(10/12)) = 24$
10. $((2/10)*12)*10 = 24$
11. $((2/10)*10)*12 = 24$
12. $((2/10)*(12*10)) = 24$
13. $(10/((10/2)/12)) = 24$
14. $((12/(10/2))*10) = 24$
15. $(12/((10/2)/10)) = 24$
16. $((10/(10/2))*12) = 24$
17. $((12*10)/(10/2)) = 24$

18. $((2/10)*(10*12)) = 24$

19. $((10*12)/(10/2)) = 24$
20. $((2*12)+10)-10 = 24$
21. $((2*12)-10)+10 = 24$
22. $(10-(10-(2*12))) = 24$
23. $((2*12)*10)/10 = 24$
24. $((2*12)/10)*10 = 24$
25. $(10/(10/(2*12))) = 24$
26. $((2*12)+(10-10)) = 24$
27. $((2*12)-(10-10)) = 24$
28. $((2*12)*(10/10)) = 24$
29. $((2*12)/(10/10)) = 24$
30. $((2+(10-10))*12) = 24$
31. $((2-(10-10))*12) = 24$
32. $(2*((10-10)+12)) = 24$
33. $(2*(12-(10-10))) = 24$
34. $((2*(10/10))*12) = 24$
35. $((2/(10/10))*12) = 24$
36. $(12/((10/10)/2)) = 24$
37. $(2*((10/10)*12)) = 24$
38. $(2/((10/10)/12)) = 24$
39. $(2*(12/(10/10))) = 24$
40. $(2*((10+12)-10)) = 24$
41. $(2*(10-(10-12))) = 24$
42. $(2*((12-10)+10)) = 24$
43. $((2*(10*12))/10) = 24$
44. $(2*((10*12)/10)) = 24$
45. $(2/(10/(10*12))) = 24$
46. $((2/(10/12))*10) = 24$
47. $(10/((10/12)/2)) = 24$
48. $(2/((10/12)/10)) = 24$
49. $(2*(10/(10/12))) = 24$
50. $((2*(12/10))*10) = 24$
51. $(2*((12/10)*10)) = 24$
52. $(2*(10+(12-10))) = 24$
53. $(2*(10*(12/10))) = 24$

803. [2, 10, 10, 13]

1. $((2-10)*(10-13)) = 24$
2. $((10-2)*(13-10)) = 24$
3. $(2*(13-(10/10))) = 24$

804. [2, 10, 11, 11]

1. $(2*(11-(10-11))) = 24$
2. $(2*((11-10)+11)) = 24$
3. $(2*((11+11)-10)) = 24$

805. [2, 10, 11, 12]

1. $((2*11)-10)+12 = 24$

2. $(12-(10-(2*11))) = 24$

3. $((2*11)+12)-10 = 24$
4. $((2*11)-(10-12)) = 24$
5. $((2*11)+(12-10)) = 24$
6. $((2*12)*(11-10)) = 24$
7. $((2*12)/(11-10)) = 24$
8. $((2*(11-10))*12) = 24$
9. $((2/(11-10))*12) = 24$
10. $(12/((11-10)/2)) = 24$
11. $(2*((11-10)*12)) = 24$
12. $(2/((11-10)/12)) = 24$
13. $(2*(12/(11-10))) = 24$
14. $(2-((10-12)*11)) = 24$
15. $(2+((12-10)*11)) = 24$

806. [2, 10, 11, 13]

1. $((2+10)*(13-11)) = 24$
2. $(2*((10-11)+13)) = 24$
3. $(2*(13-(11-10))) = 24$
4. $(2*((10+13)-11)) = 24$
5. $(2*(10-(11-13))) = 24$
6. $(2*(10+(13-11))) = 24$

807. [2, 10, 12, 12]

无解

808. [2, 10, 12, 13]

1. $((2*13)+10)-12 = 24$
2. $((2*13)-12)+10 = 24$
3. $(10-(12-(2*13))) = 24$
4. $((2*13)+(10-12)) = 24$
5. $((2*13)-(12-10)) = 24$
6. $((10+12)/2)+13 = 24$
7. $((12-10)*13)-2 = 24$

809. [2, 10, 13, 13]

无解

810. [2, 11, 11, 11]

1. $(2*((11/11)+11)) = 24$
2. $(2*(11+(11/11))) = 24$

811. [2, 11, 11, 12]

1. $((2+11)-11)*12 = 24$
2. $((2-11)+11)*12 = 24$
3. $((11-(11-2))*12) = 24$
4. $((2*11)*12)/11 = 24$
5. $((2*11)/11)*12 = 24$
6. $(12/(11/(2*11))) = 24$

$$\begin{aligned}
&7. ((2*11)*(12/11)) = 24 \\
&8. ((2*11)/(11/12)) = 24 \\
&9. (((2/11)*12)*11) = 24 \\
&10. (((2/11)*11)*12) = 24 \\
&11. ((2/11)*(12*11)) = 24 \\
&12. (11/((11/2)/12)) = 24 \\
&13. ((12/((11/2))*11) = 24 \\
&14. (12/((11/2)/11)) = 24 \\
&15. ((11/((11/2))*12) = 24 \\
&16. ((12*11)/(11/2)) = 24 \\
&17. ((2/11)*(11*12)) = 24 \\
&18. ((11*12)/(11/2)) = 24 \\
&19. (((2*12)+11)-11) = 24 \\
&20. (((2*12)-11)+11) = 24 \\
&21. (11-(11-(2*12))) = 24 \\
&22. (((2*12)*11)/11) = 24 \\
&23. (((2*12)/11)*11) = 24 \\
&24. (11/(11/(2*12))) = 24 \\
&25. ((2*12)+(11-11)) = 24 \\
&26. ((2*12)-(11-11)) = 24 \\
&27. ((2*12)*(11/11)) = 24 \\
&28. ((2*12)/(11/11)) = 24 \\
&29. ((2+(11-11))*12) = 24 \\
&30. ((2-(11-11))*12) = 24 \\
&31. (2*((11-11)+12)) = 24 \\
&32. (2*(12-(11-11))) = 24 \\
&33. ((2*(11/11))*12) = 24 \\
&34. ((2/(11/11))*12) = 24 \\
&35. (12/((11/11)/2)) = 24 \\
&36. (2*((11/11)*12)) = 24 \\
&37. (2/((11/11)/12)) = 24 \\
&38. (2*(12/(11/11))) = 24 \\
&39. (2*((11+12)-11)) = 24 \\
&40. (2*(11-(11-12))) = 24 \\
&41. (2*((12-11)+11)) = 24 \\
&42. ((2*(11*12))/11) = 24 \\
&43. (2*((11*12)/11)) = 24 \\
&44. (2/(11/(11*12))) = 24 \\
&45. ((2/(11/12))*11) = 24 \\
&46. (11/((11/12)/2)) = 24 \\
&47. (2/((11/12)/11)) = 24 \\
&48. (2*(11/(11/12))) = 24 \\
&49. ((2*(12/11))*11) = 24 \\
&50. (2*((12/11)*11)) = 24 \\
&51. (2*(11+(12-11))) = 24 \\
&52. (2*(11*(12/11))) = 24
\end{aligned}$$

812. [2, 11, 11, 13]

$$1. (((2*11)+13)-11) = 24$$

$$\begin{aligned}
&2. (((2*11)-11)+13) = 24 \\
&3. (13-(11-(2*11))) = 24 \\
&4. ((2*11)+(13-11)) = 24 \\
&5. ((2*11)-(11-13)) = 24 \\
&6. (((11+11)/2)+13) = 24 \\
&7. (2*(13-(11/11))) = 24 \\
&8. (2-((11-13)*11)) = 24 \\
&9. (2+((13-11)*11)) = 24 \\
&10. (2-(11*(11-13))) = 24 \\
&11. (2+(11*(13-11))) = 24
\end{aligned}$$

813. [2, 11, 12, 12]

$$\begin{aligned}
&1. ((2*12)*(12-11)) = 24 \\
&2. ((2*12)/(12-11)) = 24 \\
&3. ((2*(12-11))*12) = 24 \\
&4. ((2/(12-11))*12) = 24 \\
&5. (12/((12-11)/2)) = 24 \\
&6. (2*((12-11)*12)) = 24 \\
&7. (2/((12-11)/12)) = 24 \\
&8. (2*(12/(12-11))) = 24 \\
&9. (2*(11+(12/12))) = 24
\end{aligned}$$

814. [2, 11, 12, 13]

$$\begin{aligned}
&1. (2*((11-12)+13)) = 24 \\
&2. (2*(13-(12-11))) = 24 \\
&3. (((11+13)/2)+12) = 24 \\
&4. (2*((11+13)-12)) = 24 \\
&5. (2*(11-(12-13))) = 24 \\
&6. (2*(11+(13-12))) = 24
\end{aligned}$$

815. [2, 11, 13, 13]

$$\begin{aligned}
&1. (((2*13)+11)-13) = 24 \\
&2. (((2*13)-13)+11) = 24 \\
&3. (11-(13-(2*13))) = 24 \\
&4. ((2*13)+(11-13)) = 24 \\
&5. ((2*13)-(13-11)) = 24 \\
&6. (((13-11)*13)-2) = 24 \\
&7. (((13+13)/2)+11) = 24 \\
&8. (2*(11+(13/13))) = 24
\end{aligned}$$

816. [2, 12, 12, 12]

$$\begin{aligned}
&1. (((2+12)-12)*12) = 24 \\
&2. (((2-12)+12)*12) = 24 \\
&3. ((12-(12-2))*12) = 24 \\
&4. (((2*12)+12)-12) = 24 \\
&5. (((2*12)-12)+12) = 24 \\
&6. (12-(12-(2*12))) = 24 \\
&7. (((2*12)*12)/12) = 24 \\
&8. (((2*12)/12)*12) = 24
\end{aligned}$$

$$\begin{aligned}
&9. (12/(12/(2*12))) = 24 \\
&10. ((2*12)+(12-12)) = 24 \\
&11. ((2*12)-(12-12)) = 24 \\
&12. ((2*12)*(12/12)) = 24 \\
&13. ((2*12)/(12/12)) = 24 \\
&14. (((2/12)*12)*12) = 24 \\
&15. ((2/12)*(12*12)) = 24 \\
&16. (12/((12/2)/12)) = 24 \\
&17. ((12/(12/2))*12) = 24 \\
&18. ((12*12)/(12/2)) = 24 \\
&19. (((12+12)/2)+12) = 24 \\
&20. (2*((12+12)-12)) = 24 \\
&21. ((2+(12-12))*12) = 24 \\
&22. ((2-(12-12))*12) = 24 \\
&23. (2*((12-12)+12)) = 24 \\
&24. (2*(12-(12-12))) = 24 \\
&25. ((2*(12*12))/12) = 24 \\
&26. (2*((12*12)/12)) = 24 \\
&27. (2/(12/(12*12))) = 24 \\
&28. ((2*(12/12))*12) = 24 \\
&29. ((2/(12/12))*12) = 24 \\
&30. (12/((12/12)/2)) = 24 \\
&31. (2*((12/12)*12)) = 24 \\
&32. (2/((12/12)/12)) = 24 \\
&33. (2*(12/(12/12))) = 24 \\
&34. (2*(12+(12-12))) = 24 \\
&35. (2*(12*(12/12))) = 24
\end{aligned}$$

817. [2, 12, 12, 13]

$$\begin{aligned}
&1. ((2*12)*(13-12)) = 24 \\
&2. ((2*12)/(13-12)) = 24 \\
&3. (2*(13-(12/12))) = 24 \\
&4. ((2*(13-12))*12) = 24 \\
&5. ((2/(13-12))*12) = 24 \\
&6. (12/((13-12)/2)) = 24 \\
&7. (2*((13-12)*12)) = 24 \\
&8. (2/((13-12)/12)) = 24 \\
&9. (2*(12/(13-12))) = 24 \\
&10. (2*(12*(13-12))) = 24
\end{aligned}$$

818. [2, 12, 13, 13]

$$\begin{aligned}
&1. (((2*12)+13)-13) = 24 \\
&2. (((2*12)-13)+13) = 24 \\
&3. (13-(13-(2*12))) = 24 \\
&4. (((2*12)*13)/13) = 24 \\
&5. (((2*12)/13)*13) = 24 \\
&6. (13/(13/(2*12))) = 24 \\
&7. ((2*12)+(13-13)) = 24 \\
&8. ((2*12)-(13-13)) = 24
\end{aligned}$$

$$\begin{aligned}
&9. ((2*12)*(13/13)) = 24 \\
&10. ((2*12)/(13/13)) = 24 \\
&11. (((2+13)-13)*12) = 24 \\
&12. (((2-13)+13)*12) = 24 \\
&13. ((13-(13-2))*12) = 24 \\
&14. (((2*13)*12)/13) = 24 \\
&15. (((2*13)/13)*12) = 24 \\
&16. (12/(13/(2*13))) = 24 \\
&17. ((2*13)*(12/13)) = 24 \\
&18. ((2*13)/(13/12)) = 24 \\
&19. (((2/13)*12)*13) = 24 \\
&20. (((2/13)*13)*12) = 24 \\
&21. ((2/13)*(12*13)) = 24 \\
&22. (13/((13/2)/12)) = 24 \\
&23. ((12/(13/2))*13) = 24 \\
&24. (12/((13/2)/13)) = 24 \\
&25. ((13/(13/2))*12) = 24 \\
&26. ((12*13)/(13/2)) = 24 \\
&27. (2*((12+13)-13)) = 24 \\
&28. (2*((12-13)+13)) = 24 \\
&29. (2*(13-(13-12))) = 24 \\
&30. ((2*(12*13))/13) = 24 \\
&31. (2*((12*13)/13)) = 24 \\
&32. (2/(13/(12*13))) = 24 \\
&33. ((2*(12/13))*13) = 24 \\
&34. (2*((12/13)*13)) = 24 \\
&35. ((2/(13/12))*13) = 24 \\
&36. (13/((13/12)/2)) = 24 \\
&37. (2/((13/12)/13)) = 24 \\
&38. (2*(13/(13/12))) = 24 \\
&39. ((2+(13-13))*12) = 24 \\
&40. ((2-(13-13))*12) = 24 \\
&41. (2*(12+(13-13))) = 24 \\
&42. (2*(12-(13-13))) = 24 \\
&43. ((2*(13/13))*12) = 24 \\
&44. ((2/(13/13))*12) = 24 \\
&45. (12/((13/13)/2)) = 24 \\
&46. (2*(12*(13/13))) = 24 \\
&47. (2*(12/(13/13))) = 24 \\
&48. (2/((13/13)/12)) = 24
\end{aligned}$$

819. [2, 13, 13, 13]

$$1. (2*(13-(13/13))) = 24$$

820. [3, 3, 3, 3]

$$\begin{aligned}
&1. (((3*3)*3)-3) = 24 \\
&2. ((3*(3*3))-3) = 24
\end{aligned}$$

821. [3, 3, 3, 4]

1. $((3*3)-3)*4 = 24$
2. $((3+4)*3)+3 = 24$
3. $((3*(3+4))+3) = 24$
4. $(3+((3+4)*3)) = 24$
5. $(3+(3*(3+4))) = 24$

822. [3, 3, 3, 5]

1. $((3*3)+(5*3)) = 24$
2. $((3*3)+(3*5)) = 24$
3. $((3*5)+(3*3)) = 24$

823. [3, 3, 3, 6]

1. $((3+3)*3)+6 = 24$
2. $((3+3)+(6*3)) = 24$
3. $((3/3)+3)*6 = 24$
4. $((3+3)+(3*6)) = 24$
5. $((3+6)*3)-3 = 24$
6. $((3*6)+3)+3 = 24$
7. $((3*6)+(3+3)) = 24$
8. $((3*(3+3))+6) = 24$
9. $((3+(3/3))*6) = 24$
10. $((3*(3+6))-3) = 24$
11. $((3+(3*6))+3) = 24$
12. $(3+((3*6)+3)) = 24$
13. $(3+(3+(3*6))) = 24$

824. [3, 3, 3, 7]

1. $((3+3)*(7-3)) = 24$
2. $((3/3)+7)*3 = 24$
3. $((7-3)*(3+3)) = 24$
4. $(3*((3/3)+7)) = 24$

825. [3, 3, 3, 8]

1. $((3+3)-3)*8 = 24$
2. $((3-3)+8)*3 = 24$
3. $((8-(3-3))*3) = 24$
4. $((3-3)+3)*8 = 24$
5. $((3-(3-3))*8) = 24$
6. $((3-3)+(8*3)) = 24$
7. $((8*3)-(3-3)) = 24$
8. $((3*3)*8)/3 = 24$
9. $((3*3)/3)*8 = 24$
10. $(8/(3/(3*3))) = 24$
11. $((3*3)*(8/3)) = 24$
12. $((3*3)/(3/8)) = 24$
13. $((3/3)*8)*3 = 24$
14. $(3/((3/3)/8)) = 24$
15. $((8/(3/3))*3) = 24$
16. $((3/3)*3)*8 = 24$

17. $(8/((3/3)/3)) = 24$
18. $((3/(3/3))*8) = 24$
19. $((3/3)*(8*3)) = 24$
20. $((8*3)/(3/3)) = 24$
21. $((3-3)+(3*8)) = 24$
22. $((3*8)-(3-3)) = 24$
23. $((3/3)*(3*8)) = 24$
24. $((3*8)/(3/3)) = 24$
25. $((3+8)-3)*3 = 24$
26. $((3-(3-8))*3) = 24$
27. $((8-3)+3)*3 = 24$
28. $((3*8)+3)-3 = 24$
29. $((3*8)-3)+3 = 24$
30. $(3-(3-(3*8))) = 24$
31. $((3*8)*3)/3 = 24$
32. $((3*8)/3)*3 = 24$
33. $(3/(3/(3*8))) = 24$
34. $((3*8)+(3-3)) = 24$
35. $((3*8)*(3/3)) = 24$
36. $(3/((3/8)/3)) = 24$
37. $((3/(3/8))*3) = 24$
38. $((8/3)*3)*3 = 24$
39. $((8/3)*(3*3)) = 24$
40. $((3+(3-3))*8) = 24$
41. $(3*((3-3)+8)) = 24$
42. $(3*(8-(3-3))) = 24$
43. $((3*(3/3))*8) = 24$
44. $(3*((3/3)*8)) = 24$
45. $(3*(8/(3/3))) = 24$
46. $(3*((3+8)-3)) = 24$
47. $(3*(3-(3-8))) = 24$
48. $((3+(8-3))*3) = 24$
49. $(3*((8-3)+3)) = 24$
50. $((3+(3*8))-3) = 24$
51. $((3*(3*8))/3) = 24$
52. $(3+((3*8)-3)) = 24$
53. $(3*((3*8)/3)) = 24$
54. $(3*(3/(3/8))) = 24$
55. $((3*(8/3))*3) = 24$
56. $(3*((8/3)*3)) = 24$
57. $(3*(3+(8-3))) = 24$
58. $(3*(3*(8/3))) = 24$

826. [3, 3, 3, 9]

1. $((9-(3/3))*3) = 24$
2. $(3*(9-(3/3))) = 24$

827. [3, 3, 3, 10]

1. $((10*3)-(3+3)) = 24$

2. $((3*10)-(3+3)) = 24$
3. $(3-((3-10)*3)) = 24$
4. $((10-3)*3)+3 = 24$
5. $((3*10)-3)-3 = 24$
6. $(3-(3*(3-10))) = 24$
7. $((3*(10-3))+3) = 24$
8. $(3+((10-3)*3)) = 24$
9. $(3+(3*(10-3))) = 24$

828. [3, 3, 3, 11]

1. $((11*3)-(3*3)) = 24$
2. $((3*11)-(3*3)) = 24$

829. [3, 3, 3, 12]

1. $((3+3)*12)/3 = 24$
2. $((3+3)/3)*12 = 24$
3. $(12/(3/(3+3))) = 24$
4. $((3+3)*(12/3)) = 24$
5. $((3+3)/(3/12)) = 24$
6. $((3*3)+12)+3 = 24$
7. $((3*3)+3)+12 = 24$
8. $((3*3)+(12+3)) = 24$
9. $((3-(3/3))*12) = 24$
10. $((3*3)+(3+12)) = 24$
11. $((3+12)+(3*3)) = 24$
12. $((12-3)*3)-3 = 24$
13. $((12/3)*(3+3)) = 24$
14. $((3+(3*3))+12) = 24$
15. $(3+((3*3)+12)) = 24$
16. $((3*(12-3))-3) = 24$

830. [3, 3, 3, 13]

无解

831. [3, 3, 4, 4]

1. $((3*4)-4)*3 = 24$
2. $((3*4)+(3*4)) = 24$
3. $(3*((3*4)-4)) = 24$

832. [3, 3, 4, 5]

1. $((3/3)+5)*4 = 24$
2. $((3*4)*(5-3)) = 24$
3. $((5-3)*3)*4 = 24$
4. $((5-3)*4)*3 = 24$
5. $((5-3)*(3*4)) = 24$
6. $((3*(5-3))*4) = 24$
7. $(3*((5-3)*4)) = 24$
8. $((3*(4+5))-3) = 24$

833. [3, 3, 4, 6]

1. $((3-3)+6)*4 = 24$
2. $((6-(3-3))*4) = 24$
3. $((3-3)+4)*6 = 24$
4. $((4-(3-3))*6) = 24$
5. $((3-3)+(6*4)) = 24$
6. $((6*4)-(3-3)) = 24$
7. $((3/3)*6)*4 = 24$
8. $(4/((3/3)/6)) = 24$
9. $((6/(3/3))*4) = 24$
10. $((3/3)*4)*6 = 24$
11. $(6/((3/3)/4)) = 24$
12. $((4/(3/3))*6) = 24$
13. $((3/3)*(6*4)) = 24$
14. $((6*4)/(3/3)) = 24$
15. $((3+4)-3)*6 = 24$
16. $((3-(3-4))*6) = 24$
17. $((4-3)+3)*6 = 24$
18. $((3*4)/3)*6 = 24$
19. $(6/(3/(3*4))) = 24$
20. $((3*4)*6)/3 = 24$
21. $((3*4)/(3/6)) = 24$
22. $((3*4)*(6/3)) = 24$
23. $(6/((3/4)/3)) = 24$
24. $((3/(3/4))*6) = 24$
25. $(3/((3/4)/6)) = 24$
26. $((6/(3/4))*3) = 24$
27. $((3*6)/(3/4)) = 24$
28. $((4/3)*3)*6 = 24$
29. $((4/3)*6)*3 = 24$
30. $((4/3)*(3*6)) = 24$
31. $((3+6)-3)*4 = 24$
32. $((3-(3-6))*4) = 24$
33. $((6-3)+3)*4 = 24$
34. $((3*6)/3)*4 = 24$
35. $(4/(3/(3*6))) = 24$
36. $((3*6)*4)/3 = 24$
37. $((3*6)*(4/3)) = 24$
38. $(4/((3/6)/3)) = 24$
39. $((3/(3/6))*4) = 24$
40. $(3/((3/6)/4)) = 24$
41. $((4/(3/6))*3) = 24$
42. $((6/3)*3)*4 = 24$
43. $((6/3)*4)*3 = 24$
44. $((6/3)*(3*4)) = 24$
45. $((3+(4-3))*6) = 24$
46. $(3*(6/(3/4))) = 24$
47. $((3*(4/3))*6) = 24$
48. $(3*((4/3)*6)) = 24$

$$\begin{aligned}
49. & ((3+(6-3))^*4) = 24 \\
50. & (3*(4/(3/6))) = 24 \\
51. & ((3*(6/3))^*4) = 24 \\
52. & (3*((6/3)*4)) = 24 \\
53. & ((3-3)+(4*6)) = 24 \\
54. & ((4*6)-(3-3)) = 24 \\
55. & ((3/3)*(4*6)) = 24 \\
56. & ((4*6)/(3/3)) = 24 \\
57. & ((3+(4*6))-3) = 24 \\
58. & (3-(3-(4*6))) = 24 \\
59. & (((4*6)-3)+3) = 24 \\
60. & ((3*(4*6))/3) = 24 \\
61. & (3/(3/(4*6))) = 24 \\
62. & (((4*6)/3)*3) = 24 \\
63. & (3+((4*6)-3)) = 24 \\
64. & (3*((4*6)/3)) = 24
\end{aligned}$$

$$834. [3, 3, 4, 7]$$

$$\begin{aligned}
1. & ((7-(3/3))^*4) = 24 \\
2. & ((7-(3-4))^*3) = 24 \\
3. & (((4-3)+7)*3) = 24 \\
4. & ((4-(3-7))^*3) = 24 \\
5. & (((7-3)+4)*3) = 24 \\
6. & (3*(7-(3-4))) = 24 \\
7. & (3*((4-3)+7)) = 24 \\
8. & (3*(4-(3-7))) = 24 \\
9. & (3*((7-3)+4)) = 24 \\
10. & (((4+7)-3)*3) = 24 \\
11. & (3*((4+7)-3)) = 24
\end{aligned}$$

$$835. [3, 3, 4, 8]$$

$$\begin{aligned}
1. & ((3+3)*(8-4)) = 24 \\
2. & ((4-(3/3))^*8) = 24 \\
3. & (((4-3)*3)*8) = 24 \\
4. & (8/((4-3)/3)) = 24 \\
5. & ((3/(4-3))^*8) = 24 \\
6. & (((4-3)*8)*3) = 24 \\
7. & (3/((4-3)/8)) = 24 \\
8. & ((8/(4-3))^*3) = 24 \\
9. & ((4-3)*(3*8)) = 24 \\
10. & ((3*8)/(4-3)) = 24 \\
11. & ((3*8)*(4-3)) = 24 \\
12. & ((3*(4-3))^*8) = 24 \\
13. & (3*((4-3)*8)) = 24 \\
14. & (3*(8/(4-3))) = 24
\end{aligned}$$

$$836. [3, 3, 4, 9]$$

$$\begin{aligned}
1. & (((3-4)+9)*3) = 24 \\
2. & ((9-(4-3))^*3) = 24
\end{aligned}$$

$$\begin{aligned}
3. & (((3*4)+3)+9) = 24 \\
4. & (((3*4)+9)+3) = 24 \\
5. & ((3*4)+(3+9)) = 24 \\
6. & (((3+9)-4)*3) = 24 \\
7. & ((3+9)+(3*4)) = 24 \\
8. & (((9/3)+3)*4) = 24 \\
9. & (3*((3-4)+9)) = 24 \\
10. & (3*(9-(4-3))) = 24 \\
11. & ((3+(3*4))+9) = 24 \\
12. & (3+((3*4)+9)) = 24 \\
13. & (3*((3+9)-4)) = 24 \\
14. & ((3+(9/3))^*4) = 24 \\
15. & ((3-(4-9))^*3) = 24 \\
16. & (3*(3-(4-9))) = 24 \\
17. & ((3+(9-4))^*3) = 24 \\
18. & (3*(3+(9-4))) = 24
\end{aligned}$$

$$837. [3, 3, 4, 10]$$

无解

$$838. [3, 3, 4, 11]$$

$$\begin{aligned}
1. & (((3*3)+11)+4) = 24 \\
2. & (((3*3)+4)+11) = 24 \\
3. & ((3*3)+(11+4)) = 24 \\
4. & ((3*3)+(4+11)) = 24 \\
5. & (3-(3*(4-11))) = 24 \\
6. & ((3*(11-4))+3) = 24 \\
7. & (3+(3*(11-4))) = 24
\end{aligned}$$

$$839. [3, 3, 4, 12]$$

$$\begin{aligned}
1. & ((12-(3+3))^*4) = 24 \\
2. & (((3+3)-4)*12) = 24 \\
3. & (((3*3)*4)-12) = 24 \\
4. & (((3-4)+3)*12) = 24 \\
5. & ((3-(4-3))^*12) = 24 \\
6. & (((3*4)*3)-12) = 24 \\
7. & ((3*12)-(3*4)) = 24 \\
8. & (((12-3)-3)*4) = 24 \\
9. & (((12/3)+4)*3) = 24 \\
10. & ((3+(3-4))^*12) = 24 \\
11. & ((3*(3*4))-12) = 24 \\
12. & (3*((12/3)+4)) = 24
\end{aligned}$$

$$840. [3, 3, 4, 13]$$

$$1. ((3*(13-4))-3) = 24$$

$$841. [3, 3, 5, 5]$$

$$1. ((5*5)-(3/3)) = 24$$

$$842. [3, 3, 5, 6]$$

$$\begin{aligned}
1. & (((3+3)*5)-6) = 24 \\
2. & ((6*5)-(3+3)) = 24 \\
3. & (((3*3)-5)*6) = 24 \\
4. & ((5-(3/3))^*6) = 24 \\
5. & ((3+5)*(6-3)) = 24 \\
6. & ((6-(3-5))^*3) = 24 \\
7. & (((5-3)+6)*3) = 24 \\
8. & (((3*5)+3)+6) = 24 \\
9. & (((3*5)+6)+3) = 24 \\
10. & ((3*5)+(3+6)) = 24 \\
11. & ((3+6)+(3*5)) = 24 \\
12. & ((5-(3-6))^*3) = 24 \\
13. & (((6-3)+5)*3) = 24 \\
14. & ((6-3)*(3+5)) = 24 \\
15. & (3*(6-(3-5))) = 24 \\
16. & (3*((5-3)+6)) = 24 \\
17. & ((3+(3*5))+6) = 24 \\
18. & (3+((3*5)+6)) = 24 \\
19. & (3*(5-(3-6))) = 24 \\
20. & (3*((6-3)+5)) = 24 \\
21. & (((5+6)-3)*3) = 24 \\
22. & (3*((5+6)-3)) = 24 \\
23. & ((5*6)-(3+3)) = 24 \\
24. & (((5*6)-3)-3) = 24
\end{aligned}$$

$$843. [3, 3, 5, 7]$$

$$\begin{aligned}
1. & (((3*5)-7)*3) = 24 \\
2. & (3*((3*5)-7)) = 24
\end{aligned}$$

$$844. [3, 3, 5, 8]$$

无解

$$845. [3, 3, 5, 9]$$

$$\begin{aligned}
1. & ((3+3)*(9-5)) = 24 \\
2. & (((3+5)/3)*9) = 24 \\
3. & (9/(3/(3+5))) = 24 \\
4. & (((3+5)*9)/3) = 24 \\
5. & ((3+5)/(3/9)) = 24 \\
6. & ((3+5)*(9/3)) = 24 \\
7. & ((5-3)*(3+9)) = 24 \\
8. & ((3+9)*(5-3)) = 24 \\
9. & (((9/3)+5)*3) = 24 \\
10. & ((9/3)*(3+5)) = 24 \\
11. & (3*((9/3)+5)) = 24
\end{aligned}$$

$$846. [3, 3, 5, 10]$$

$$\begin{aligned}
1. & (((3*3)+10)+5) = 24 \\
2. & (((3*3)+5)+10) = 24
\end{aligned}$$

$$3. ((3*3)+(10+5)) = 24$$

$$\begin{aligned}
4. & (((3-5)+10)*3) = 24 \\
5. & ((10-(5-3))^*3) = 24 \\
6. & ((3-(3/5))^*10) = 24 \\
7. & (((3+10)-5)*3) = 24 \\
8. & (3*((3-5)+10)) = 24 \\
9. & (3*(10-(5-3))) = 24 \\
10. & (3*((3+10)-5)) = 24 \\
11. & ((3*3)+(5+10)) = 24 \\
12. & ((3-(5-10))^*3) = 24 \\
13. & (3*(3-(5-10))) = 24 \\
14. & ((3+(10-5))^*3) = 24 \\
15. & (3*(3+(10-5))) = 24
\end{aligned}$$

$$847. [3, 3, 5, 11]$$

无解

$$848. [3, 3, 5, 12]$$

$$\begin{aligned}
1. & (((3*5)-3)+12) = 24 \\
2. & (12-(3-(3*5))) = 24 \\
3. & (((3*5)+12)-3) = 24 \\
4. & ((3*5)-(3-12)) = 24 \\
5. & ((3*5)+(12-3)) = 24 \\
6. & ((12-3)+(3*5)) = 24 \\
7. & (3-(3*(5-12))) = 24 \\
8. & ((3*(12-5))+3) = 24 \\
9. & (3+(3*(12-5))) = 24
\end{aligned}$$

$$849. [3, 3, 5, 13]$$

$$\begin{aligned}
1. & (((3+3)+13)+5) = 24 \\
2. & (((3+3)+5)+13) = 24 \\
3. & ((3+3)+(13+5)) = 24 \\
4. & (((3+5)+3)+13) = 24 \\
5. & (((3+5)+13)+3) = 24 \\
6. & ((3+5)+(3+13)) = 24 \\
7. & ((3*13)-(3*5)) = 24 \\
8. & (((3+13)+3)+5) = 24 \\
9. & (((3+13)+5)+3) = 24 \\
10. & ((3+13)+(3+5)) = 24 \\
11. & ((3+(3+5))+13) = 24 \\
12. & (3+((3+5)+13)) = 24 \\
13. & ((3+(3+13))+5) = 24 \\
14. & (3+((3+13)+5)) = 24 \\
15. & ((3+3)+(5+13)) = 24 \\
16. & ((3+(5+13))+3) = 24 \\
17. & (3+(3+(5+13))) = 24
\end{aligned}$$

$$850. [3, 3, 6, 6]$$

$$1. (((6/3)+6)*3) = 24$$

$$2. (3*((6/3)+6)) = 24$$

$$851. [3, 3, 6, 7]$$

$$1. (3-((3-6)*7)) = 24$$

$$2. (((3*7)-(3-6)) = 24$$

$$3. (((6-3)*7)+3) = 24$$

$$4. ((6-3)+(3*7)) = 24$$

$$5. (((3+7)*3)-6) = 24$$

$$6. (((3*7)-3)+6) = 24$$

$$7. (6-(3-(3*7))) = 24$$

$$8. (((3*7)+6)-3) = 24$$

$$9. ((3*7)+(6-3)) = 24$$

$$10. (3+((6-3)*7)) = 24$$

$$11. ((3*(3+7))-6) = 24$$

$$852. [3, 3, 6, 8]$$

$$1. (((3*3)-6)*8) = 24$$

$$2. (((3+6)/3)*8) = 24$$

$$3. (8/(3/(3+6))) = 24$$

$$4. (((3+6)*8)/3) = 24$$

$$5. ((3+6)/(3/8)) = 24$$

$$6. ((3+6)*(8/3)) = 24$$

$$7. ((8/3)*(3+6)) = 24$$

$$853. [3, 3, 6, 9]$$

$$1. (((3*3)+9)+6) = 24$$

$$2. (((3*3)+6)+9) = 24$$

$$3. ((3*3)+(9+6)) = 24$$

$$4. ((3-6)+(3*9)) = 24$$

$$5. (((6-3)*9)-3) = 24$$

$$6. ((3*9)-(6-3)) = 24$$

$$7. (((3*6)-3)+9) = 24$$

$$8. (9-(3-(3*6))) = 24$$

$$9. (((3*6)+9)-3) = 24$$

$$10. ((3*6)-(3-9)) = 24$$

$$11. ((3*6)+(9-3)) = 24$$

$$12. ((3+9)/(3/6)) = 24$$

$$13. ((6/3)*(3+9)) = 24$$

$$14. (((3+9)/3)*6) = 24$$

$$15. (6/(3/(3+9))) = 24$$

$$16. (((3+9)*6)/3) = 24$$

$$17. ((3+9)*(6/3)) = 24$$

$$18. (6-((3-9)*3)) = 24$$

$$19. (((9-3)*3)+6) = 24$$

$$20. ((9-3)+(3*6)) = 24$$

$$21. (((3*9)+3)-6) = 24$$

$$22. (((3*9)-6)+3) = 24$$

$$23. (3-(6-(3*9))) = 24$$

$$24. ((3*9)+(3-6)) = 24$$

$$25. (6-(3*(3-9))) = 24$$

$$26. ((3*(9-3))+6) = 24$$

$$27. ((3+(3*9))-6) = 24$$

$$28. (3+((3*9)-6)) = 24$$

$$29. ((3*3)+(6+9)) = 24$$

$$854. [3, 3, 6, 10]$$

$$1. ((10-(3+3))*6) = 24$$

$$2. ((3+3)*(10-6)) = 24$$

$$3. (((3*6)-10)*3) = 24$$

$$4. ((10-(6/3))*3) = 24$$

$$5. (((10-3)-3)*6) = 24$$

$$6. (3*((3*6)-10)) = 24$$

$$7. (3*(10-(6/3))) = 24$$

$$855. [3, 3, 6, 11]$$

$$1. ((3*11)-(3+6)) = 24$$

$$2. (((3-6)+11)*3) = 24$$

$$3. ((3-6)*(3-11)) = 24$$

$$4. ((11-(6-3))*3) = 24$$

$$5. ((6-3)*(11-3)) = 24$$

$$6. (((3+11)-6)*3) = 24$$

$$7. ((3-11)*(3-6)) = 24$$

$$8. ((11-3)*(6-3)) = 24$$

$$9. (((3*11)-3)-6) = 24$$

$$10. (((3*11)-6)-3) = 24$$

$$11. (3*((3-6)+11)) = 24$$

$$12. (3*(11-(6-3))) = 24$$

$$13. (3*((3+11)-6)) = 24$$

$$14. ((3-(6-11))*3) = 24$$

$$15. (3*(3-(6-11))) = 24$$

$$16. ((3+(11-6))*3) = 24$$

$$17. (3*(3+(11-6))) = 24$$

$$856. [3, 3, 6, 12]$$

$$1. (((3+3)+12)+6) = 24$$

$$2. (((3+3)+6)+12) = 24$$

$$3. (((3+3)*6)-12) = 24$$

$$4. ((3+3)+(12+6)) = 24$$

$$5. (((3+6)+3)+12) = 24$$

$$6. (((3+6)+12)+3) = 24$$

$$7. ((3+6)+(3+12)) = 24$$

$$8. (((3+12)+3)+6) = 24$$

$$9. (((3+12)+6)+3) = 24$$

$$10. ((3+12)+(3+6)) = 24$$

$$11. ((3+(3+6))+12) = 24$$

$$12. (3+((3+6)+12)) = 24$$

$$13. ((3+(3+12))+6) = 24$$

$$14. (3+((3+12)+6)) = 24$$

$$15. ((3+3)+(6+12)) = 24$$

$$16. ((3+(6+12))+3) = 24$$

$$17. (3+(3+(6+12))) = 24$$

$$857. [3, 3, 6, 13]$$

$$1. (((13-(3*3))*6) = 24$$

$$2. (((13-3)*3)-6) = 24$$

$$3. ((3*(13-3))-6) = 24$$

$$4. (3-(3*(6-13))) = 24$$

$$5. ((3*(13-6))+3) = 24$$

$$6. (3+(3*(13-6))) = 24$$

$$858. [3, 3, 7, 7]$$

$$1. (((3/7)+3)*7) = 24$$

$$2. ((3+(3/7))*7) = 24$$

$$859. [3, 3, 7, 8]$$

$$1. (((3*3)+8)+7) = 24$$

$$2. (((3*3)+7)+8) = 24$$

$$3. ((3*3)+(8+7)) = 24$$

$$4. ((3*3)+(7+8)) = 24$$

$$860. [3, 3, 7, 9]$$

$$1. ((3-7)*(3-9)) = 24$$

$$2. ((7-3)*(9-3)) = 24$$

$$3. ((3*7)+(9/3)) = 24$$

$$4. ((9/(3/7))+3) = 24$$

$$5. (((7/3)*9)+3) = 24$$

$$6. ((3-9)*(3-7)) = 24$$

$$7. ((9-3)*(7-3)) = 24$$

$$8. ((7/(3/9))+3) = 24$$

$$9. (((9/3)*7)+3) = 24$$

$$10. ((9/3)+(3*7)) = 24$$

$$11. (3+(9/(3/7))) = 24$$

$$12. (3+((7/3)*9)) = 24$$

$$13. (3+(7/(3/9))) = 24$$

$$14. (3+((9/3)*7)) = 24$$

$$15. (((7*9)/3)+3) = 24$$

$$16. (3+((7*9)/3)) = 24$$

$$861. [3, 3, 7, 10]$$

无解

$$862. [3, 3, 7, 11]$$

$$1. (((3+3)+11)+7) = 24$$

$$2. (((3+3)+7)+11) = 24$$

$$3. ((3+3)+(11+7)) = 24$$

$$4. ((3+3)*(11-7)) = 24$$

$$5. (((3+7)+3)+11) = 24$$

$$6. (((3+7)+11)+3) = 24$$

$$7. ((3+7)+(3+11)) = 24$$

$$8. (((3+11)+3)+7) = 24$$

$$9. (((3+11)+7)+3) = 24$$

$$10. ((3+11)+(3+7)) = 24$$

$$11. ((3+(3+7))+11) = 24$$

$$12. (3+((3+7)+11)) = 24$$

$$13. ((3+(3+11))+7) = 24$$

$$14. (3+((3+11)+7)) = 24$$

$$15. ((3+3)+(7+11)) = 24$$

$$16. ((3+(7+11))+3) = 24$$

$$17. (3+(3+(7+11))) = 24$$

$$863. [3, 3, 7, 12]$$

$$1. (((3*3)-7)*12) = 24$$

$$2. (12-((3-7)*3)) = 24$$

$$3. (((3-7)+12)*3) = 24$$

$$4. (((7-3)*3)+12) = 24$$

$$5. ((12-(7-3))*3) = 24$$

$$6. (((3+12)-7)*3) = 24$$

$$7. (12-(3*(3-7))) = 24$$

$$8. (3*((3-7)+12)) = 24$$

$$9. ((3*(7-3))+12) = 24$$

$$10. (3*(12-(7-3))) = 24$$

$$11. (3*((3+12)-7)) = 24$$

$$12. ((3-(7-12))*3) = 24$$

$$13. (3*(3-(7-12))) = 24$$

$$14. ((3+(12-7))*3) = 24$$

$$15. (3*(3+(12-7))) = 24$$

$$864. [3, 3, 7, 13]$$

$$1. (((3*7)-13)*3) = 24$$

$$2. (3*((3*7)-13)) = 24$$

$$865. [3, 3, 8, 8]$$

$$1. (8/(3-(8/3))) = 24$$

$$866. [3, 3, 8, 9]$$

$$1. ((9-(3+3))*8) = 24$$

$$2. (((3+8)*3)-9) = 24$$

$$3. (9-((3-8)*3)) = 24$$

$$4. (((8-3)*3)+9) = 24$$

$$5. (((9-3)-3)*8) = 24$$

$$6. ((3*(3+8))-9) = 24$$

$$7. (9-(3*(3-8))) = 24$$

$$8. ((3*(8-3))+9) = 24$$

$$867. [3, 3, 8, 10]$$

$$1. (((3+3)+10)+8) = 24$$

2. $((3+3)+8)+10 = 24$
3. $((3+3)+(10+8)) = 24$
4. $((3+8)+3)+10 = 24$
5. $((3+8)+10)+3 = 24$
6. $((3+8)+(3+10)) = 24$
7. $((3+10)+3)+8 = 24$
8. $((3+10)+8)+3 = 24$
9. $((3+10)+(3+8)) = 24$
10. $(8/((10/3)-3)) = 24$
11. $((3+(3+8))+10) = 24$
12. $(3+((3+8)+10)) = 24$
13. $((3+(3+10))+8) = 24$
14. $(3+((3+10)+8)) = 24$
15. $((3+3)+(8+10)) = 24$
16. $((3+(8+10))+3) = 24$
17. $(3+(3+(8+10))) = 24$

868. [3, 3, 8, 11]

无解

869. [3, 3, 8, 12]

1. $((8-(3+3))*12) = 24$
2. $((3+3)*(12-8)) = 24$
3. $((12-(3*3))*8) = 24$
4. $((8-(3-3))*12) = 24$
5. $((12-3)/(3/8)) = 24$
6. $((8/3)*(12-3)) = 24$
7. $((12-3)/3)*8 = 24$
8. $(8/(3/(12-3))) = 24$
9. $((12-3)*8)/3 = 24$
10. $((12-3)*(8/3)) = 24$

870. [3, 3, 8, 13]

1. $((3-8)+13)*3 = 24$
2. $((13-(8-3))*3) = 24$
3. $((3+(13-8))*3) = 24$
4. $(3*((3-8)+13)) = 24$
5. $(3*(13-(8-3))) = 24$
6. $(3*((3+13)-8)) = 24$
7. $((3-(8-13))*3) = 24$
8. $(3*(3-(8-13))) = 24$
9. $((3+(13-8))*3) = 24$
10. $(3*(3+(13-8))) = 24$

871. [3, 3, 9, 9]

1. $((3+3)+9)+9 = 24$
2. $((3+3)+(9+9)) = 24$
3. $((3+9)+3)+9 = 24$
4. $((3+9)+9)+3 = 24$

5. $((3+9)+(3+9)) = 24$
6. $((3*9)-(9/3)) = 24$
7. $((3-(3/9))*9) = 24$
8. $((9/(3/9))-3) = 24$
9. $((9/3)*9)-3 = 24$
10. $((3+(3+9))+9) = 24$
11. $(3+((3+9)+9)) = 24$
12. $((3+(9+9))+3) = 24$
13. $(3+(3+(9+9))) = 24$
14. $((9*9)/3)-3 = 24$

872. [3, 3, 9, 10]

1. $((3-9)+(3*10)) = 24$
2. $((3*10)-(9-3)) = 24$
3. $((3*10)+3)-9 = 24$
4. $((3*10)-9)+3 = 24$
5. $(3-(9-(3*10))) = 24$
6. $((3*10)+(3-9)) = 24$
7. $((3+(3*10))-9) = 24$
8. $(3+((3*10)-9)) = 24$

873. [3, 3, 9, 11]

1. $((11-3)/(3/9)) = 24$
2. $((11-(9/3))*3) = 24$
3. $((9/3)*(11-3)) = 24$
4. $((11-3)/3)*9 = 24$
5. $(9/(3/(11-3))) = 24$
6. $((11-3)*9)/3 = 24$
7. $((11-3)*(9/3)) = 24$
8. $(3*(11-(9/3))) = 24$

874. [3, 3, 9, 12]

1. $((3+9)*3)-12 = 24$
2. $((3*12)-(3+9)) = 24$
3. $((9-3)/3)*12 = 24$
4. $(12/(3/(9-3))) = 24$
5. $((9-3)*12)/3 = 24$
6. $((9-3)/(3/12)) = 24$
7. $((9-3)*(12/3)) = 24$
8. $((3*12)-3)-9 = 24$
9. $((3*12)-9)-3 = 24$
10. $((12/3)*(9-3)) = 24$
11. $((3*(3+9))-12) = 24$

875. [3, 3, 9, 13]

1. $((3+3)*(13-9)) = 24$

876. [3, 3, 10, 10]

无解

877. [3, 3, 10, 11]

无解

878. [3, 3, 10, 12]

无解

879. [3, 3, 10, 13]

1. $((3/3)+13)+10 = 24$
2. $((3/3)+10)+13 = 24$
3. $((3/3)+(13+10)) = 24$
4. $((3/3)+(10+13)) = 24$

880. [3, 3, 11, 11]

无解

881. [3, 3, 11, 12]

1. $((11-(3*3))*12) = 24$
2. $((3/3)+12)+11 = 24$
3. $((3/3)+11)+12 = 24$
4. $((3/3)+(12+11)) = 24$
5. $((3*11)+3)-12 = 24$
6. $((3*11)-12)+3 = 24$
7. $(3-(12-(3*11))) = 24$
8. $((3*11)+(3-12)) = 24$
9. $((3*11)-(12-3)) = 24$
10. $((3-12)+(3*11)) = 24$
11. $((3+(3*11))-12) = 24$
12. $(3+((3*11)-12)) = 24$
13. $((3/3)+(11+12)) = 24$

882. [3, 3, 11, 13]

1. $((3-3)+13)+11 = 24$
2. $(11-((3-3)-13)) = 24$
3. $((13-(3-3))+11) = 24$
4. $((3-3)+11)+13 = 24$
5. $(13-((3-3)-11)) = 24$
6. $((11-(3-3))+13) = 24$
7. $((3-3)+(13+11)) = 24$
8. $((13+11)-(3-3)) = 24$
9. $((3/3)*13)+11 = 24$
10. $((13/(3/3))+11) = 24$
11. $((3/3)*11)+13 = 24$
12. $((11/(3/3))+13) = 24$
13. $((3/3)*(13+11)) = 24$
14. $((13+11)/(3/3)) = 24$
15. $((3+11)-3)+13 = 24$
16. $(13-(3-(3+11))) = 24$
17. $((3+11)+13)-3 = 24$

18. $((3+11)-(3-13)) = 24$
19. $((3+11)+(13-3)) = 24$
20. $(13-((3-11)-3)) = 24$
21. $((3-(3-11))+13) = 24$
22. $(3-((3-11)-13)) = 24$
23. $((13-(3-11))+3) = 24$
24. $((3+13)-(3-11)) = 24$
25. $((11-3)+3)+13 = 24$
26. $((11-3)+13)+3 = 24$
27. $((11-3)+(3+13)) = 24$
28. $((3*11)/3)+13 = 24$
29. $((3/(3/11))+13) = 24$
30. $((11/3)*3)+13 = 24$
31. $((3+13)-3)+11 = 24$
32. $(11-(3-(3+13))) = 24$
33. $((3+13)+11)-3 = 24$
34. $((3+13)+(11-3)) = 24$
35. $(11-((3-13)-3)) = 24$
36. $((3-(3-13))+11) = 24$
37. $(3-((3-13)-11)) = 24$
38. $((11-(3-13))+3) = 24$
39. $((13-3)+3)+11 = 24$
40. $((13-3)+11)+3 = 24$
41. $((13-3)+(3+11)) = 24$
42. $((3*13)/3)+11 = 24$
43. $((3/(3/13))+11) = 24$
44. $((13/3)*3)+11 = 24$
45. $(3+(13-(3-11))) = 24$
46. $((3+(11-3))+13) = 24$
47. $(3+((11-3)+13)) = 24$
48. $((3*(11/3))+13) = 24$
49. $(3+(11-(3-13))) = 24$
50. $((3+(13-3))+11) = 24$
51. $(3+((13-3)+11)) = 24$
52. $((3*(13/3))+11) = 24$
53. $((3-3)+(11+13)) = 24$
54. $((11+13)-(3-3)) = 24$
55. $((3/3)*(11+13)) = 24$
56. $((11+13)/(3/3)) = 24$
57. $((3+(11+13))-3) = 24$
58. $(3-(3-(11+13))) = 24$
59. $((11+13)-3)+3 = 24$
60. $((3*(11+13))/3) = 24$
61. $(3/(3/(11+13))) = 24$
62. $((11+13)/3)*3 = 24$
63. $(3+((11+13)-3)) = 24$
64. $(3*((11+13)/3)) = 24$

883. [3, 3, 12, 12]

1. $(12/((3+3)/12)) = 24$
2. $((12/(3+3))*12) = 24$
3. $((12*12)/(3+3)) = 24$
4. $((3-3)+12)+12 = 24$
5. $(12-((3-3)-12)) = 24$
6. $((12-(3-3))+12) = 24$
7. $((3-3)+(12+12)) = 24$
8. $((12+12)-(3-3)) = 24$
9. $((3/3)*12)+12 = 24$
10. $((12/(3/3))+12) = 24$
11. $((3/3)*(12+12)) = 24$
12. $((12+12)/(3/3)) = 24$
13. $((3+12)-3)+12 = 24$
14. $(12-(3-(3+12))) = 24$
15. $((3+12)+12)-3 = 24$
16. $((3+12)-(3-12)) = 24$
17. $((3+12)+(12-3)) = 24$
18. $(12-((3-12)-3)) = 24$
19. $((3-(3-12))+12) = 24$
20. $(3-((3-12)-12)) = 24$
21. $((12-(3-12))+3) = 24$
22. $((12-3)+3)+12 = 24$
23. $((12-3)+12)+3 = 24$
24. $((12-3)+(3+12)) = 24$
25. $((3*12)/3)+12 = 24$
26. $((3/(3/12))+12) = 24$
27. $((12/3)*3)+12 = 24$
28. $((12-(12/3))*3) = 24$
29. $(3+(12-(3-12))) = 24$
30. $((3+(12-3))+12) = 24$
31. $(3+((12-3)+12)) = 24$
32. $((3*(12/3))+12) = 24$
33. $(3*(12-(12/3))) = 24$
34. $((3+(12+12))-3) = 24$
35. $(3-(3-(12+12))) = 24$
36. $((12+12)-3)+3 = 24$
37. $((3*(12+12))/3) = 24$
38. $(3/(3/(12+12))) = 24$
39. $((12+12)/3)*3 = 24$
40. $(3+((12+12)-3)) = 24$
41. $(3*((12+12)/3)) = 24$

884. [3, 3, 12, 13]

1. $(12-((3/3)-13)) = 24$
2. $((13-(3/3))+12) = 24$
3. $(13-((3/3)-12)) = 24$
4. $((12-(3/3))+13) = 24$
5. $((13+12)-(3/3)) = 24$
6. $((3*13)-(3+12)) = 24$

7. $((3*13)-3)-12 = 24$
8. $((3*13)-12)-3 = 24$
9. $((12+13)-(3/3)) = 24$

885. [3, 3, 13, 13]

无解

886. [3, 4, 4, 4]

1. $((3+4)*4)-4 = 24$

887. [3, 4, 4, 5]

1. $((5-(3-4))*4) = 24$
2. $((4-3)+5)*4 = 24$
3. $((3+5)+(4*4)) = 24$
4. $((4-(3-5))*4) = 24$
5. $((5-3)+4)*4 = 24$
6. $((3+(4*4))+5) = 24$
7. $(3+((4*4)+5)) = 24$
8. $((4+5)-3)*4 = 24$

888. [3, 4, 4, 6]

1. $((4-3)*6)*4 = 24$
2. $(4/((4-3)/6)) = 24$
3. $((6/(4-3))*4) = 24$
4. $((4-3)*4)*6 = 24$
5. $(6/((4-3)/4)) = 24$
6. $((4/(4-3))*6) = 24$
7. $((4-3)*(6*4)) = 24$
8. $((6*4)/(4-3)) = 24$
9. $((3*4)-6)*4 = 24$
10. $((3*4)*(6-4)) = 24$
11. $((4-3)*(4*6)) = 24$
12. $((4*6)/(4-3)) = 24$
13. $((6-3)*(4+4)) = 24$
14. $((6/3)+4)*4 = 24$
15. $((3+(4/4))*6) = 24$
16. $((3*(6-4))*4) = 24$
17. $(3*((6-4)*4)) = 24$
18. $(3*(4*(6-4))) = 24$

889. [3, 4, 4, 7]

1. $((3-4)+7)*4 = 24$
2. $((7-(4-3))*4) = 24$
3. $((3+7)-4)*4 = 24$
4. $(3*((4/4)+7)) = 24$
5. $((3-(4-7))*4) = 24$
6. $((3+(7-4))*4) = 24$

890. [3, 4, 4, 8]

1. $((3+4)-4)*8 = 24$
2. $((3-4)+4)*8 = 24$
3. $((4-(4-3))*8) = 24$
4. $((3*4)+8)+4 = 24$
5. $((3*4)*8)/4 = 24$
6. $((3*4)+4)+8 = 24$
7. $((3*4)/4)*8 = 24$
8. $(8/(4/(3*4))) = 24$
9. $((3*4)+(8+4)) = 24$
10. $((3*4)*(8/4)) = 24$
11. $((3*4)/(4/8)) = 24$
12. $((3/4)*8)*4 = 24$
13. $((3/4)*4)*8 = 24$
14. $((3/4)*(8*4)) = 24$
15. $(4/((4/3)/8)) = 24$
16. $((8/(4/3))*4) = 24$
17. $(8/((4/3)/4)) = 24$
18. $((4/(4/3))*8) = 24$
19. $((8*4)/(4/3)) = 24$
20. $((3*4)+(4+8)) = 24$
21. $((3/4)*(4*8)) = 24$
22. $((4*8)/(4/3)) = 24$
23. $(4-((3-8)*4)) = 24$
24. $((8-3)*4)+4 = 24$
25. $((3*8)+4)-4 = 24$
26. $((3*8)-4)+4 = 24$
27. $(4-(4-(3*8))) = 24$
28. $((3*8)*4)/4 = 24$
29. $((3*8)/4)*4 = 24$
30. $(4/(4/(3*8))) = 24$
31. $((3*8)+(4-4)) = 24$
32. $((3*8)-(4-4)) = 24$
33. $((3*8)*(4/4)) = 24$
34. $((3*8)/(4/4)) = 24$
35. $((3+(4-4))*8) = 24$
36. $((3-(4-4))*8) = 24$
37. $(3*((4-4)+8)) = 24$
38. $(3*(8-(4-4))) = 24$
39. $(3*((4*4)-8)) = 24$
40. $((3*(4/4))*8) = 24$
41. $((3/(4/4))*8) = 24$
42. $(8/((4/4)/3)) = 24$
43. $(3*((4/4)*8)) = 24$
44. $(3/((4/4)/8)) = 24$
45. $(3*(8/(4/4))) = 24$
46. $(3*((4+8)-4)) = 24$
47. $(3*(4-(4-8))) = 24$
48. $(3*((8-4)+4)) = 24$
49. $((3*(4*8))/4) = 24$

50. $(3*((4*8)/4)) = 24$
51. $(3/(4/(4*8))) = 24$
52. $((3/(4/8))*4) = 24$
53. $(4/((4/8)/3)) = 24$
54. $(3/((4/8)/4)) = 24$
55. $(3*(4/(4/8))) = 24$
56. $((3*(8/4))*4) = 24$
57. $(3*((8/4)*4)) = 24$
58. $(3*(4+(8-4))) = 24$
59. $(3*(4*(8/4))) = 24$

891. [3, 4, 4, 9]

1. $((9*4)-(3*4)) = 24$
2. $((4-(4/3))*9) = 24$
3. $((4*9)-(3*4)) = 24$
4. $((4+4)/(3/9)) = 24$
5. $((9/3)*(4+4)) = 24$
6. $(9/(3/(4+4))) = 24$
7. $((4+4)/3)*9 = 24$
8. $((4+4)*9)/3 = 24$
9. $(3*(9-(4/4))) = 24$

892. [3, 4, 4, 10]

1. $((10-3)*4)-4 = 24$

893. [3, 4, 4, 11]

1. $((4*4)-(3-11)) = 24$
2. $((11-3)+(4*4)) = 24$
3. $(11-(3-(4*4))) = 24$
4. $((4*4)-3)+11 = 24$
5. $((4*4)+11)-3 = 24$

894. [3, 4, 4, 12]

1. $((3-(4/4))*12) = 24$
2. $((3+(12/4))*4) = 24$

895. [3, 4, 4, 13]

1. $((3+4)+13)+4 = 24$
2. $((13-(3+4))*4) = 24$
3. $((3+4)+4)+13 = 24$
4. $((3+4)+(13+4)) = 24$
5. $((3+4)+(4+13)) = 24$
6. $((3+13)+4)+4 = 24$
7. $((3+13)+(4+4)) = 24$
8. $((13-3)-4)*4 = 24$
9. $((3+(4+4))+13) = 24$
10. $(3+((4+4)+13)) = 24$
11. $((3+(4+13))+4) = 24$
12. $(3+((4+13)+4)) = 24$

$$13. (((13-4)-3)*4) = 24$$

$$14. (3+(4+(4+13))) = 24$$

$$896. [3, 4, 5, 5]$$

$$1. ((3-4)+(5*5)) = 24$$

$$2. ((5*5)-(4-3)) = 24$$

$$3. (((3*5)+4)+5) = 24$$

$$4. (((3*5)+5)+4) = 24$$

$$5. ((3*5)+(4+5)) = 24$$

$$6. ((3+(5*5))-4) = 24$$

$$7. (3-(4-(5*5))) = 24$$

$$8. (3+((5*5)-4)) = 24$$

$$897. [3, 4, 5, 6]$$

$$1. (((3-4)+5)*6) = 24$$

$$2. ((5-(4-3))*6) = 24$$

$$3. (((3+5)-4)*6) = 24$$

$$4. ((3-(4-5))*6) = 24$$

$$5. ((3+(5-4))*6) = 24$$

$$898. [3, 4, 5, 7]$$

$$1. (((3*4)+7)+5) = 24$$

$$2. (((3*4)+5)+7) = 24$$

$$3. ((3*4)+(7+5)) = 24$$

$$4. ((3*4)*(7-5)) = 24$$

$$5. ((3+5)*(7-4)) = 24$$

$$6. (4-((3-7)*5)) = 24$$

$$7. ((4*5)-(3-7)) = 24$$

$$8. (((7-3)*5)+4) = 24$$

$$9. ((7-3)+(4*5)) = 24$$

$$10. (3*(7-(4-5))) = 24$$

$$11. (3*((5-4)+7)) = 24$$

$$12. (7-(3-(4*5))) = 24$$

$$13. (((4*5)-3)+7) = 24$$

$$14. (((4*5)+7)-3) = 24$$

$$15. (3*(5-(4-7))) = 24$$

$$16. (3*((7-4)+5)) = 24$$

$$17. ((3*4)+(5+7)) = 24$$

$$18. (3*((5+7)-4)) = 24$$

$$19. ((3*(7-5))*4) = 24$$

$$20. (3*(4*(7-5))) = 24$$

$$899. [3, 4, 5, 8]$$

$$1. (((3+5)*4)-8) = 24$$

$$2. ((4*8)-(3+5)) = 24$$

$$3. (((3-5)+8)*4) = 24$$

$$4. ((8-(5-3))*4) = 24$$

$$5. ((5-3)*(4+8)) = 24$$

$$6. (((3+8)-5)*4) = 24$$

$$7. ((3*8)*(5-4)) = 24$$

$$8. ((3*8)/(5-4)) = 24$$

$$9. ((4+5)/(3/8)) = 24$$

$$10. ((8/3)*(4+5)) = 24$$

$$11. (8/(3/(4+5))) = 24$$

$$12. (((4+5)/3)*8) = 24$$

$$13. (((4+5)*8)/3) = 24$$

$$14. ((3*(5-4))*8) = 24$$

$$15. ((3/(5-4))*8) = 24$$

$$16. (8/((5-4)/3)) = 24$$

$$17. (3*((5-4)*8)) = 24$$

$$18. (3/((5-4)/8)) = 24$$

$$19. (3*(8/(5-4))) = 24$$

$$20. (((4*8)-3)-5) = 24$$

$$21. (((4*8)-5)-3) = 24$$

$$22. ((3-(5-8))*4) = 24$$

$$23. ((3+(8-5))*4) = 24$$

$$900. [3, 4, 5, 9]$$

$$1. (((3*5)-9)*4) = 24$$

$$2. (3*((4-5)+9)) = 24$$

$$3. (3*(9-(5-4))) = 24$$

$$4. (3*((4+9)-5)) = 24$$

$$5. (3*(4-(5-9))) = 24$$

$$6. (3*(4+(9-5))) = 24$$

$$901. [3, 4, 5, 10]$$

$$1. (((3*4)*10)/5) = 24$$

$$2. (((3*4)/5)*10) = 24$$

$$3. (10/(5/(3*4))) = 24$$

$$4. ((3*4)*(10/5)) = 24$$

$$5. ((3*4)/(5/10)) = 24$$

$$6. (4-((3-5)*10)) = 24$$

$$7. (((5-3)*10)+4) = 24$$

$$8. (((3/5)*4)*10) = 24$$

$$9. (((3/5)*10)*4) = 24$$

$$10. ((3/5)*(4*10)) = 24$$

$$11. (10/((5/3)/4)) = 24$$

$$12. ((4/(5/3))*10) = 24$$

$$13. (4/((5/3)/10)) = 24$$

$$14. ((10/(5/3))*4) = 24$$

$$15. ((4*10)/(5/3)) = 24$$

$$16. (((3*10)*4)/5) = 24$$

$$17. (((3*10)/5)*4) = 24$$

$$18. (4/(5/(3*10))) = 24$$

$$19. ((3*10)*(4/5)) = 24$$

$$20. ((3*10)/(5/4)) = 24$$

$$21. ((3*(4/5))*10) = 24$$

$$22. (3*((4/5)*10)) = 24$$

$$23. ((3/(5/4))*10) = 24$$

$$24. (10/((5/4)/3)) = 24$$

$$25. (3/((5/4)/10)) = 24$$

$$26. (3*(10/(5/4))) = 24$$

$$27. ((3*(4*10))/5) = 24$$

$$28. (3*((4*10)/5)) = 24$$

$$29. (3/(5/(4*10))) = 24$$

$$30. ((3/(5/10))*4) = 24$$

$$31. (4/((5/10)/3)) = 24$$

$$32. (3*(4/(5/10))) = 24$$

$$33. (3/((5/10)/4)) = 24$$

$$34. ((3*(10/5))*4) = 24$$

$$35. (3*(4*(10/5))) = 24$$

$$902. [3, 4, 5, 11]$$

$$1. (((3+4)*5)-11) = 24$$

$$2. (((3*11)-4)-5) = 24$$

$$3. (((3*11)-5)-4) = 24$$

$$4. ((3*11)-(4+5)) = 24$$

$$903. [3, 4, 5, 12]$$

$$1. (((3+4)+12)+5) = 24$$

$$2. (((3+4)+5)+12) = 24$$

$$3. (((3+4)-5)*12) = 24$$

$$4. ((3+4)+(12+5)) = 24$$

$$5. (((3+5)+4)+12) = 24$$

$$6. (((3+5)/4)*12) = 24$$

$$7. (12/(4/(3+5))) = 24$$

$$8. (((3+5)+12)+4) = 24$$

$$9. (((3+5)*12)/4) = 24$$

$$10. ((3+5)+(4+12)) = 24$$

$$11. ((3+5)/(4/12)) = 24$$

$$12. ((3+5)*(12/4)) = 24$$

$$13. (((3-5)+4)*12) = 24$$

$$14. ((4-(5-3))*12) = 24$$

$$15. (12/((5-3)/4)) = 24$$

$$16. ((4/(5-3))*12) = 24$$

$$17. (4/((5-3)/12)) = 24$$

$$18. ((12/(5-3))*4) = 24$$

$$19. ((4*12)/(5-3)) = 24$$

$$20. ((12/(3/5))+4) = 24$$

$$21. (((5/3)*12)+4) = 24$$

$$22. (((3+12)+4)+5) = 24$$

$$23. (((3+12)+5)+4) = 24$$

$$24. ((3+12)+(4+5)) = 24$$

$$25. ((5/(3/12))+4) = 24$$

$$26. (((12/3)*5)+4) = 24$$

$$27. ((12/3)+(4*5)) = 24$$

$$28. ((3+(4+5))+12) = 24$$

$$29. (3+((4+5)+12)) = 24$$

$$30. ((3+(4-5))*12) = 24$$

$$31. ((3-(5-4))*12) = 24$$

$$32. (3*((4*5)-12)) = 24$$

$$33. ((3+(4+12))+5) = 24$$

$$34. (3+((4+12)+5)) = 24$$

$$35. (3*((12/4)+5)) = 24$$

$$36. ((3+4)+(5+12)) = 24$$

$$37. ((3+(5+12))+4) = 24$$

$$38. (3+(4+(5+12))) = 24$$

$$39. (((5*12)/3)+4) = 24$$

$$904. [3, 4, 5, 13]$$

$$1. ((13+5)/(3/4)) = 24$$

$$2. ((4/3)*(13+5)) = 24$$

$$3. (((3*5)-4)+13) = 24$$

$$4. (13-(4-(3*5))) = 24$$

$$5. (((3*5)+13)-4) = 24$$

$$6. ((3*5)-(4-13)) = 24$$

$$7. ((3*5)+(13-4)) = 24$$

$$8. ((5+13)/(3/4)) = 24$$

$$9. ((4/3)*(5+13)) = 24$$

$$10. (4/(3/(5+13))) = 24$$

$$11. (((5+13)/3)*4) = 24$$

$$12. ((4*(5+13))/3) = 24$$

$$905. [3, 4, 6, 6]$$

$$1. (((3*4)+6)+6) = 24$$

$$2. ((3*4)+(6+6)) = 24$$

$$3. ((6*6)-(3*4)) = 24$$

$$4. ((3*(4+6))-6) = 24$$

$$5. (3*(6-(4-6))) = 24$$

$$6. (3*((6-4)+6)) = 24$$

$$7. (3*((6+6)-4)) = 24$$

$$906. [3, 4, 6, 7]$$

无解

$$907. [3, 4, 6, 8]$$

$$1. (((3*4)-8)*6) = 24$$

$$2. ((3*4)*(8-6)) = 24$$

$$3. ((4+8)/(3/6)) = 24$$

$$4. ((8-(6/3))*4) = 24$$

$$5. ((6/3)*(4+8)) = 24$$

$$6. (6/(3/(4+8))) = 24$$

$$7. (((4+8)/3)*6) = 24$$

$$8. (((4+8)*6)/3) = 24$$

$$9. (3*((8/4)+6)) = 24$$

$$10. ((3*(8-6))*4) = 24$$

$$11. (3*(4*(8-6))) = 24$$

$$908. [3, 4, 6, 9]$$

1. (((3-6)+9)*4) = 24
2. ((9-(6-3))*4) = 24
3. (((3+9)-6)*4) = 24
4. ((3+9)*(6-4)) = 24
5. ((3-(6-9))*4) = 24
6. ((3+(9-6))*4) = 24

$$909. [3, 4, 6, 10]$$

1. (((3*6)-4)+10) = 24
2. (10-(4-(3*6))) = 24
3. (((3*6)+10)-4) = 24
4. ((3*6)-(4-10)) = 24
5. ((3*6)+(10-4)) = 24
6. ((10/(3/6))+4) = 24
7. (((6/3)*10)+4) = 24
8. ((6/(3/10))+4) = 24
9. (((10/3)*6)+4) = 24
10. (3*((4-6)+10)) = 24
11. (3*(10-(6-4))) = 24
12. (3*((4+10)-6)) = 24
13. (6-(3*(4-10))) = 24
14. ((3*(10-4))+6) = 24
15. (3*(4-(6-10))) = 24
16. (3*(4+(10-6))) = 24
17. (((6*10)/3)+4) = 24

$$910. [3, 4, 6, 11]$$

1. (((3+4)+11)+6) = 24
2. ((11-(3+4))*6) = 24
3. (((3+4)+6)+11) = 24
4. ((3+4)+(11+6)) = 24
5. (((3+6)+4)+11) = 24
6. (((3+6)+11)+4) = 24
7. ((3+6)+(4+11)) = 24
8. (((3+11)+4)+6) = 24
9. (((3+11)+6)+4) = 24
10. ((3+11)+(4+6)) = 24
11. (((11-3)-4)*6) = 24
12. ((3+(4+6))+11) = 24
13. (3+((4+6)+11)) = 24
14. ((3+(4+11))+6) = 24
15. (3+((4+11)+6)) = 24
16. (((11-4)-3)*6) = 24
17. (6/(3-(11/4))) = 24
18. ((3+4)+(6+11)) = 24
19. ((3+(6+11))+4) = 24

$$20. (3+(4+(6+11))) = 24$$

$$911. [3, 4, 6, 12]$$

1. (((3*4)*12)/6) = 24
2. (((3*4)/6)*12) = 24
3. (12/(6/(3*4))) = 24
4. ((3*4)*(12/6)) = 24
5. ((3*4)/(6/12)) = 24
6. ((12+6)/(3/4)) = 24
7. ((4/3)*(12+6)) = 24
8. (((3+6)*4)-12) = 24
9. (12-((3-6)*4)) = 24
10. ((3-6)*(4-12)) = 24
11. (((6-3)*4)+12) = 24
12. ((6-3)*(12-4)) = 24
13. (((3*6)-12)*4) = 24
14. (((3/6)*4)*12) = 24
15. (((3/6)*12)*4) = 24
16. ((3/6)*(4*12)) = 24
17. ((4-(6/3))*12) = 24
18. (12/((6/3)/4)) = 24
19. ((4/(6/3))*12) = 24
20. (4/((6/3)/12)) = 24
21. ((12/(6/3))*4) = 24
22. ((4*12)/(6/3)) = 24
23. (((3*12)*4)/6) = 24
24. (((3*12)/6)*4) = 24
25. (4/(6/(3*12))) = 24
26. ((3*12)*(4/6)) = 24
27. ((3*12)/(6/4)) = 24
28. ((3*(4/6))*12) = 24
29. (3*((4/6)*12)) = 24
30. ((3/(6/4))*12) = 24
31. (12/((6/4)/3)) = 24
32. (3/((6/4)/12)) = 24
33. (3*(12/(6/4))) = 24
34. ((3*(4*12))/6) = 24
35. (3*((4*12)/6)) = 24
36. (3/(6/(4*12))) = 24
37. ((6+12)/(3/4)) = 24
38. ((4/3)*(6+12)) = 24
39. (4/(3/(6+12))) = 24
40. (((6+12)/3)*4) = 24
41. ((4*(6+12))/3) = 24
42. ((3/(6/12))*4) = 24
43. (4/((6/12)/3)) = 24
44. (3*(4/(6/12))) = 24
45. (3/((6/12)/4)) = 24
46. ((3*(12/6))*4) = 24

$$47. (3*(4*(12/6))) = 24$$

$$912. [3, 4, 6, 13]$$

1. (((3+13)/4)*6) = 24
2. (6/(4/(3+13))) = 24
3. (((3+13)*6)/4) = 24
4. ((3+13)/(4/6)) = 24
5. ((3+13)*(6/4)) = 24
6. (6/((13/4)-3)) = 24

$$913. [3, 4, 7, 7]$$

1. ((3-7)+(4*7)) = 24
2. (((7-3)*7)-4) = 24
3. ((4*7)-(7-3)) = 24
4. (((3*7)-4)+7) = 24
5. (7-(4-(3*7))) = 24
6. (((3*7)+7)-4) = 24
7. ((3*7)-(4-7)) = 24
8. ((3*7)+(7-4)) = 24
9. (3-((4-7)*7)) = 24
10. (3+((7-4)*7)) = 24
11. ((3+(4*7))-7) = 24
12. (3+((4*7)-7)) = 24
13. (3-(7-(4*7))) = 24

$$914. [3, 4, 7, 8]$$

1. (8-((3-7)*4)) = 24
2. (((7-3)*4)+8) = 24

$$915. [3, 4, 7, 9]$$

1. ((3*4)*(9-7)) = 24
2. (((3*9)+4)-7) = 24
3. (((3*9)-7)+4) = 24
4. (4-(7-(3*9))) = 24
5. ((3*9)+(4-7)) = 24
6. ((3*9)-(7-4)) = 24
7. ((3*(4+7))-9) = 24
8. (((7-4)*9)-3) = 24
9. ((3*(9-7))*4) = 24
10. (3*(4*(9-7))) = 24

$$916. [3, 4, 7, 10]$$

1. (((3+4)+10)+7) = 24
2. (((3+4)+7)+10) = 24
3. ((3+4)+(10+7)) = 24
4. (((3+7)+4)+10) = 24
5. (((3+7)+10)+4) = 24
6. ((3+7)+(4+10)) = 24
7. (((3-7)+10)*4) = 24

$$8. ((3-7)*(4-10)) = 24$$

$$9. ((10-(7-3))*4) = 24$$

$$10. ((7-3)*(10-4)) = 24$$

11. (((3+10)+4)+7) = 24
12. (((3+10)+7)+4) = 24
13. (((3+10)-7)*4) = 24
14. ((3+10)+(4+7)) = 24
15. ((3+(4+7))+10) = 24
16. (3+((4+7)+10)) = 24
17. ((3+(4+10))+7) = 24
18. (3+((4+10)+7)) = 24
19. ((3+4)+(7+10)) = 24
20. ((3+(7+10))+4) = 24
21. (3+(4+(7+10))) = 24
22. ((3-(7-10))*4) = 24
23. ((3+(10-7))*4) = 24

$$917. [3, 4, 7, 11]$$

1. ((11+7)/(3/4)) = 24
2. ((4/3)*(11+7)) = 24
3. ((3-11)*(4-7)) = 24
4. ((11-3)*(7-4)) = 24
5. (3*((4-7)+11)) = 24
6. (3*(11-(7-4))) = 24
7. (3*((4+11)-7)) = 24
8. ((7+11)/(3/4)) = 24
9. ((4/3)*(7+11)) = 24
10. (4/(3/(7+11))) = 24
11. (((7+11)/3)*4) = 24
12. ((4*(7+11))/3) = 24
13. (3*(4-(7-11))) = 24
14. (3*(4+(11-7))) = 24

$$918. [3, 4, 7, 12]$$

1. ((3*7)+(12/4)) = 24
2. ((12/(3/7))-4) = 24
3. (((7/3)*12)-4) = 24
4. ((7/(3/12))-4) = 24
5. (((12/3)*7)-4) = 24
6. ((4*7)-(12/3)) = 24
7. (3+(12/(4/7))) = 24
8. (3+((7/4)*12)) = 24
9. (3+(7/(4/12))) = 24
10. (3+((12/4)*7)) = 24
11. (((7*12)/3)-4) = 24
12. (3+((7*12)/4)) = 24

$$919. [3, 4, 7, 13]$$

无解

920. [3, 4, 8, 8]

无解

921. [3, 4, 8, 9]

1. $((3+4)+9)+8 = 24$
2. $((3+4)+8)+9 = 24$
3. $((3+4)+(9+8)) = 24$
4. $((3*4)-9)*8 = 24$
5. $((3+8)+4)+9 = 24$
6. $((3+8)+9)+4 = 24$
7. $((3+8)+(4+9)) = 24$
8. $((3+9)+4)+8 = 24$
9. $((3+9)/4)*8 = 24$
10. $(8/(4/(3+9))) = 24$
11. $((3+9)+8)+4 = 24$
12. $((3+9)*8)/4 = 24$
13. $((3+9)+(4+8)) = 24$
14. $((3+9)/(4/8)) = 24$
15. $((3+9)*(8/4)) = 24$
16. $((3-9)*(4-8)) = 24$
17. $((9-3)*(8-4)) = 24$
18. $((3+(4+8))+9) = 24$
19. $(3+((4+8)+9)) = 24$
20. $((3+(4+9))+8) = 24$
21. $(3+((4+9)+8)) = 24$
22. $((3+4)+(8+9)) = 24$
23. $((3+(8+9))+4) = 24$
24. $(3+(4+(8+9))) = 24$

922. [3, 4, 8, 10]

1. $((10-(3+4))*8) = 24$
2. $((3*4)*(10-8)) = 24$
3. $((10+8)/(3/4)) = 24$
4. $((4/3)*(10+8)) = 24$
5. $((10-3)-4)*8 = 24$
6. $(3*(10-(8/4))) = 24$
7. $((10-4)-3)*8 = 24$
8. $((8+10)/(3/4)) = 24$
9. $((4/3)*(8+10)) = 24$
10. $(4/(3/(8+10))) = 24$
11. $((8+10)/3)*4 = 24$
12. $((4*(8+10))/3) = 24$
13. $((3*(10-8))*4) = 24$
14. $(3*(4*(10-8))) = 24$

923. [3, 4, 8, 11]

1. $((3-8)+11)*4 = 24$
2. $((11-(8-3))*4) = 24$

$$3. (((3+11)-8)*4) = 24$$

$$4. ((3-11)+(4*8)) = 24$$

$$5. (((11-3)*4)-8) = 24$$

$$6. ((4*8)-(11-3)) = 24$$

$$7. (8/(4-(11/3))) = 24$$

$$8. ((3+(4*8))-11) = 24$$

$$9. (3+((4*8)-11)) = 24$$

$$10. (3-(11-(4*8))) = 24$$

$$11. ((3-(8-11))*4) = 24$$

$$12. ((3+(11-8))*4) = 24$$

924. [3, 4, 8, 12]

$$1. ((12/(3/4))+8) = 24$$

$$2. (((4/3)*12)+8) = 24$$

$$3. ((4*12)-(3*8)) = 24$$

$$4. (((3*12)-4)-8) = 24$$

$$5. (((3*12)-8)-4) = 24$$

$$6. ((3*12)-(4+8)) = 24$$

$$7. ((4/(3/12))+8) = 24$$

$$8. (((12/3)*4)+8) = 24$$

$$9. ((3*(4+8))-12) = 24$$

$$10. (12-(3*(4-8))) = 24$$

$$11. (3*((4-8)+12)) = 24$$

$$12. ((3*(8-4))+12) = 24$$

$$13. (3*(12-(8-4))) = 24$$

$$14. (3*((4+12)-8)) = 24$$

$$15. (((4*12)/3)+8) = 24$$

$$16. (3*(4-(8-12))) = 24$$

$$17. (3*(4+(12-8))) = 24$$

925. [3, 4, 8, 13]

$$1. ((13-4)/(3/8)) = 24$$

$$2. ((8/3)*(13-4)) = 24$$

$$3. (8/((13/3)-4)) = 24$$

$$4. (8/(3/(13-4))) = 24$$

$$5. (((13-4)/3)*8) = 24$$

$$6. (((13-4)*8)/3) = 24$$

926. [3, 4, 9, 9]

$$1. ((9+9)/(3/4)) = 24$$

$$2. ((4/3)*(9+9)) = 24$$

$$3. ((4*9)-(3+9)) = 24$$

$$4. ((9-(9/3))*4) = 24$$

$$5. (9-(3*(4-9))) = 24$$

$$6. ((3*(9-4))+9) = 24$$

$$7. (((4*9)-3)-9) = 24$$

$$8. (((4*9)-9)-3) = 24$$

$$9. (4/(3/(9+9))) = 24$$

$$10. (((9+9)/3)*4) = 24$$

$$11. ((4*(9+9))/3) = 24$$

927. [3, 4, 9, 10]

无解

928. [3, 4, 9, 11]

$$1. ((3*4)*(11-9)) = 24$$

$$2. ((3*(11-9))*4) = 24$$

$$3. (3*(4*(11-9))) = 24$$

$$4. (((9*11)-3)/4) = 24$$

929. [3, 4, 9, 12]

$$1. ((9-(3+4))*12) = 24$$

$$2. ((9/(3/4))+12) = 24$$

$$3. (((4/3)*9)+12) = 24$$

$$4. (((3-9)+12)*4) = 24$$

$$5. (((9-3)-4)*12) = 24$$

$$6. ((12-(9-3))*4) = 24$$

$$7. ((3*9)-(12/4)) = 24$$

$$8. ((4/(3/9))+12) = 24$$

$$9. ((12-4)/(3/9)) = 24$$

$$10. (((9/3)*4)+12) = 24$$

$$11. ((9/3)*(12-4)) = 24$$

$$12. (((3+12)-9)*4) = 24$$

$$13. (((9-4)-3)*12) = 24$$

$$14. (((4*9)/3)+12) = 24$$

$$15. ((12/(4/9))-3) = 24$$

$$16. (((9/4)*12)-3) = 24$$

$$17. (9/(3/(12-4))) = 24$$

$$18. (((12-4)/3)*9) = 24$$

$$19. (((12-4)*9)/3) = 24$$

$$20. ((3-(4/12))*9) = 24$$

$$21. ((9/(4/12))-3) = 24$$

$$22. (((12/4)*9)-3) = 24$$

$$23. ((3-(9-12))*4) = 24$$

$$24. ((3+(12-9))*4) = 24$$

$$25. (((9*12)/4)-3) = 24$$

930. [3, 4, 9, 13]

$$1. (3*((4-9)+13)) = 24$$

$$2. (3*(13-(9-4))) = 24$$

$$3. (3*((4+13)-9)) = 24$$

$$4. (3*(4-(9-13))) = 24$$

$$5. (3*(4+(13-9))) = 24$$

931. [3, 4, 10, 10]

$$1. (((3*10)+4)-10) = 24$$

$$2. (((3*10)-10)+4) = 24$$

$$3. (4-(10-(3*10))) = 24$$

$$4. ((3*10)+(4-10)) = 24$$

$$5. ((3*10)-(10-4)) = 24$$

932. [3, 4, 10, 11]

无解

933. [3, 4, 10, 12]

$$1. (((3*4)-10)*12) = 24$$

$$2. ((3*4)*(12-10)) = 24$$

$$3. ((10-4)/(3/12)) = 24$$

$$4. ((10-(12/3))*4) = 24$$

$$5. ((12/3)*(10-4)) = 24$$

$$6. (12/(3/(10-4))) = 24$$

$$7. (((10-4)/3)*12) = 24$$

$$8. (((10-4)*12)/3) = 24$$

$$9. (12/(3-(10/4))) = 24$$

$$10. ((3*(12-10))*4) = 24$$

$$11. (3*(4*(12-10))) = 24$$

934. [3, 4, 10, 13]

$$1. (10-((3-4)-13)) = 24$$

$$2. ((13-(3-4))+10) = 24$$

$$3. (13-((3-4)-10)) = 24$$

$$4. ((10-(3-4))+13) = 24$$

$$5. ((13+10)-(3-4)) = 24$$

$$6. (((4-3)+13)+10) = 24$$

$$7. (((4-3)+10)+13) = 24$$

$$8. ((4-3)+(13+10)) = 24$$

$$9. (13-((3-10)-4)) = 24$$

$$10. ((4-(3-10))+13) = 24$$

$$11. (((3-10)+13)*4) = 24$$

$$12. (4-((3-10)-13)) = 24$$

$$13. ((13-(3-10))+4) = 24$$

$$14. ((4+13)-(3-10)) = 24$$

$$15. (((10-3)+4)+13) = 24$$

$$16. (((10-3)+13)+4) = 24$$

$$17. ((13-(10-3))*4) = 24$$

$$18. ((10-3)+(4+13)) = 24$$

$$19. (((3+13)-10)*4) = 24$$

$$20. ((4*10)-(3+13)) = 24$$

$$21. (10-((3-13)-4)) = 24$$

$$22. ((4-(3-13))+10) = 24$$

$$23. (4-((3-13)-10)) = 24$$

$$24. ((10-(3-13))+4) = 24$$

$$25. ((4+10)-(3-13)) = 24$$

$$26. (((13-3)+4)+10) = 24$$

$$27. (((13-3)+10)+4) = 24$$

$$28. ((13-3)+(4+10)) = 24$$

$$29. (13-(3-(4+10))) = 24$$

$$\begin{aligned}
30. & (((4+10)-3)+13) = 24 \\
31. & (((4+10)+13)-3) = 24 \\
32. & (((4*10)-3)-13) = 24 \\
33. & (((4*10)-13)-3) = 24 \\
34. & (10-(3-(4+13))) = 24 \\
35. & (((4+13)-3)+10) = 24 \\
36. & (((4+13)+10)-3) = 24 \\
37. & ((10+13)-(3-4)) = 24 \\
38. & ((4-3)+(10+13)) = 24 \\
39. & (4-(3-(10+13))) = 24 \\
40. & (((10+13)-3)+4) = 24 \\
41. & ((4+(10+13))-3) = 24 \\
42. & ((3-(10-13))*4) = 24 \\
43. & ((3+(13-10))*4) = 24
\end{aligned}$$

935. [3, 4, 11, 11]

无解

936. [3, 4, 11, 12]

$$\begin{aligned}
1. & (11-((3-4)-12)) = 24 \\
2. & ((12-(3-4))+11) = 24 \\
3. & (12-((3-4)-11)) = 24 \\
4. & ((11-(3-4))+12) = 24 \\
5. & ((12+11)-(3-4)) = 24 \\
6. & (((4-3)+12)+11) = 24 \\
7. & (((4-3)+11)+12) = 24 \\
8. & ((4-3)+(12+11)) = 24 \\
9. & (12-((3-11)-4)) = 24 \\
10. & ((4-(3-11))+12) = 24 \\
11. & (4-((3-11)-12)) = 24 \\
12. & ((12-(3-11))+4) = 24 \\
13. & ((4+12)-(3-11)) = 24 \\
14. & (((11-3)+4)+12) = 24 \\
15. & (((11-3)/4)*12) = 24 \\
16. & (12/(4/(11-3))) = 24 \\
17. & (((11-3)+12)+4) = 24 \\
18. & (((11-3)*12)/4) = 24 \\
19. & ((11-3)+(4+12)) = 24 \\
20. & ((11-3)/(4/12)) = 24 \\
21. & ((11-3)*(12/4)) = 24 \\
22. & (11-((3-12)-4)) = 24 \\
23. & ((4-(3-12))+11) = 24 \\
24. & (4-((3-12)-11)) = 24 \\
25. & ((11-(3-12))+4) = 24 \\
26. & ((4+11)-(3-12)) = 24 \\
27. & (((12-3)+4)+11) = 24 \\
28. & (((12-3)+11)+4) = 24 \\
29. & ((12-3)+(4+11)) = 24 \\
30. & (12-(3-(4+11))) = 24
\end{aligned}$$

$$\begin{aligned}
31. & (((4+11)-3)+12) = 24 \\
32. & (((4+11)+12)-3) = 24 \\
33. & (11-(3-(4+12))) = 24 \\
34. & (((4+12)-3)+11) = 24 \\
35. & (((4+12)+11)-3) = 24 \\
36. & (3*(11-(12/4))) = 24 \\
37. & ((11+12)-(3-4)) = 24 \\
38. & ((4-3)+(11+12)) = 24 \\
39. & (4-(3-(11+12))) = 24 \\
40. & (((11+12)-3)+4) = 24 \\
41. & ((4+(11+12))-3) = 24
\end{aligned}$$

937. [3, 4, 11, 13]

$$\begin{aligned}
1. & (11-((3-4)*13)) = 24 \\
2. & (11-(13/(3-4))) = 24 \\
3. & (13-((3-4)*11)) = 24 \\
4. & (13-(11/(3-4))) = 24 \\
5. & (((4-3)*13)+11) = 24 \\
6. & ((13/(4-3))+11) = 24 \\
7. & (((4-3)*11)+13) = 24 \\
8. & ((11/(4-3))+13) = 24 \\
9. & ((4-3)*(13+11)) = 24 \\
10. & ((13+11)/(4-3)) = 24 \\
11. & ((3*4)*(13-11)) = 24 \\
12. & (((3*11)+4)-13) = 24 \\
13. & (((3*11)-13)+4) = 24 \\
14. & (4-(13-(3*11))) = 24 \\
15. & ((3*11)+(4-13)) = 24 \\
16. & ((3*11)-(13-4)) = 24 \\
17. & (((3*13)-4)-11) = 24 \\
18. & (((3*13)-11)-4) = 24 \\
19. & ((3*13)-(4+11)) = 24 \\
20. & ((4-3)*(11+13)) = 24 \\
21. & ((11+13)/(4-3)) = 24 \\
22. & ((3*(13-11))*4) = 24 \\
23. & (3*(4*(13-11))) = 24
\end{aligned}$$

938. [3, 4, 12, 12]

$$\begin{aligned}
1. & (12-((3-4)*12)) = 24 \\
2. & (12-(12/(3-4))) = 24 \\
3. & (((4-3)*12)+12) = 24 \\
4. & ((12/(4-3))+12) = 24 \\
5. & ((4-3)*(12+12)) = 24 \\
6. & ((12+12)/(4-3)) = 24 \\
7. & (((12-3)*4)-12) = 24
\end{aligned}$$

939. [3, 4, 12, 13]

$$\begin{aligned}
1. & (((3-4)+13)+12) = 24 \\
2. & (((3-4)+12)+13) = 24
\end{aligned}$$

$$\begin{aligned}
3. & ((3-4)+(13+12)) = 24 \\
4. & (12-((4-3)-13)) = 24 \\
5. & ((13-(4-3))+12) = 24 \\
6. & (13-((4-3)-12)) = 24 \\
7. & ((12-(4-3))+13) = 24 \\
8. & ((13+12)-(4-3)) = 24 \\
9. & (((3+12)-4)+13) = 24 \\
10. & (13-(4-(3+12))) = 24 \\
11. & (((3+12)+13)-4) = 24 \\
12. & ((3+12)-(4-13)) = 24 \\
13. & ((3+12)+(13-4)) = 24 \\
14. & (((3+13)-4)+12) = 24 \\
15. & (12-(4-(3+13))) = 24 \\
16. & (((3+13)+12)-4) = 24 \\
17. & ((3+13)-(4-12)) = 24 \\
18. & ((3+13)+(12-4)) = 24 \\
19. & ((3-(4-12))+13) = 24 \\
20. & (13-((4-12)-3)) = 24 \\
21. & (3-((4-12)-13)) = 24 \\
22. & (3+(13-(4-12))) = 24 \\
23. & ((3+(12-4))+13) = 24 \\
24. & (3+((12-4)+13)) = 24 \\
25. & ((3-(4-13))+12) = 24 \\
26. & (12-((4-13)-3)) = 24 \\
27. & (3-((4-13)-12)) = 24 \\
28. & (3+(12-(4-13))) = 24 \\
29. & ((3+(13-4))+12) = 24 \\
30. & (3+((13-4)+12)) = 24 \\
31. & ((3-4)+(12+13)) = 24 \\
32. & ((12+13)-(4-3)) = 24 \\
33. & ((3+(12+13))-4) = 24 \\
34. & (3-(4-(12+13))) = 24 \\
35. & (3+((12+13)-4)) = 24
\end{aligned}$$

940. [3, 4, 13, 13]

无解

941. [3, 5, 5, 5]

无解

942. [3, 5, 5, 6]

$$\begin{aligned}
1. & ((3*(5+5))-6) = 24 \\
2. & ((3+(5/5))*6) = 24
\end{aligned}$$

943. [3, 5, 5, 7]

$$\begin{aligned}
1. & ((5-3)*(7+5)) = 24 \\
2. & ((5-3)*(5+7)) = 24 \\
3. & (3*((5/5)+7)) = 24
\end{aligned}$$

944. [3, 5, 5, 8]

$$\begin{aligned}
1. & (((3+5)-5)*8) = 24 \\
2. & ((3+5)*(8-5)) = 24 \\
3. & (((3-5)+5)*8) = 24 \\
4. & ((5-(5-3))*8) = 24 \\
5. & (((3*5)*8)/5) = 24 \\
6. & (((3*5)/5)*8) = 24 \\
7. & (8/(5/(3*5))) = 24 \\
8. & ((3*5)*(8/5)) = 24 \\
9. & ((3*5)/(5/8)) = 24 \\
10. & (((3/5)*8)*5) = 24 \\
11. & (((3/5)*5)*8) = 24 \\
12. & ((3/5)*(8*5)) = 24 \\
13. & (5/((5/3)/8)) = 24 \\
14. & ((8/(5/3))*5) = 24 \\
15. & (8/((5/3)/5)) = 24 \\
16. & ((5/(5/3))*8) = 24 \\
17. & ((8*5)/(5/3)) = 24 \\
18. & ((3/5)*(5*8)) = 24 \\
19. & ((5*8)/(5/3)) = 24 \\
20. & (((3*8)+5)-5) = 24 \\
21. & (((3*8)-5)+5) = 24 \\
22. & (5-(5-(3*8))) = 24 \\
23. & (((3*8)*5)/5) = 24 \\
24. & (((3*8)/5)*5) = 24 \\
25. & (5/(5/(3*8))) = 24 \\
26. & ((3*8)+(5-5)) = 24 \\
27. & ((3*8)-(5-5)) = 24 \\
28. & ((3*8)*(5/5)) = 24 \\
29. & ((3*8)/(5/5)) = 24 \\
30. & ((3+(5-5))*8) = 24 \\
31. & ((3-(5-5))*8) = 24 \\
32. & (3*((5-5)+8)) = 24 \\
33. & (3*(8-(5-5))) = 24 \\
34. & ((3*(5/5))*8) = 24 \\
35. & ((3/(5/5))*8) = 24 \\
36. & (8/((5/5)/3)) = 24 \\
37. & (3*((5/5)*8)) = 24 \\
38. & (3/((5/5)/8)) = 24 \\
39. & (3*(8/(5/5))) = 24 \\
40. & (3*((5+8)-5)) = 24 \\
41. & (3*(5-(5-8))) = 24 \\
42. & (3*((8-5)+5)) = 24 \\
43. & ((3*(5*8))/5) = 24 \\
44. & (3*((5*8)/5)) = 24 \\
45. & (3/(5/(5*8))) = 24 \\
46. & ((3/(5/8))*5) = 24 \\
47. & (5/((5/8)/3)) = 24 \\
48. & (3/((5/8)/5)) = 24
\end{aligned}$$

$$49. (3*(5/(5/8))) = 24$$

$$50. ((3*(8/5))*5) = 24$$

$$51. (3*((8/5)*5)) = 24$$

$$52. (3*(5+(8-5))) = 24$$

$$53. (3*(5*(8/5))) = 24$$

$$945. [3, 5, 5, 9]$$

$$1. (3*(9-(5/5))) = 24$$

$$2. ((3+(9/5))*5) = 24$$

$$946. [3, 5, 5, 10]$$

无解

$$947. [3, 5, 5, 11]$$

$$1. (((3+5)+11)+5) = 24$$

$$2. (((3+5)+5)+11) = 24$$

$$3. ((3+5)+(11+5)) = 24$$

$$4. ((3+5)+(5+11)) = 24$$

$$5. (((3+11)+5)+5) = 24$$

$$6. ((3+11)+(5+5)) = 24$$

$$7. ((3+(5+5))+11) = 24$$

$$8. (3+((5+5)+11)) = 24$$

$$9. ((3+(5+11))+5) = 24$$

$$10. (3+((5+11)+5)) = 24$$

$$11. (3+(5+(5+11))) = 24$$

$$948. [3, 5, 5, 12]$$

$$1. ((3-(5/5))*12) = 24$$

$$949. [3, 5, 5, 13]$$

无解

$$950. [3, 5, 6, 6]$$

$$1. (((3-5)+6)*6) = 24$$

$$2. ((6-(5-3))*6) = 24$$

$$3. (((5-3)*(6+6)) = 24$$

$$4. (((3+6)-5)*6) = 24$$

$$5. ((3-(5-6))*6) = 24$$

$$6. ((3+(6-5))*6) = 24$$

$$951. [3, 5, 6, 7]$$

$$1. ((5+7)/(3/6)) = 24$$

$$2. ((6/3)*(5+7)) = 24$$

$$3. (3*(7-(5-6))) = 24$$

$$4. (3*((6-5)+7)) = 24$$

$$5. (6/(3/(5+7))) = 24$$

$$6. (((5+7)/3)*6) = 24$$

$$7. (((5+7)*6)/3) = 24$$

$$8. (3*(6-(5-7))) = 24$$

$$9. (3*((7-5)+6)) = 24$$

$$10. (3*((6+7)-5)) = 24$$

$$952. [3, 5, 6, 8]$$

$$1. (6/((5-3)/8)) = 24$$

$$2. ((8/(5-3))*6) = 24$$

$$3. (8/((5-3)/6)) = 24$$

$$4. ((6/(5-3))*8) = 24$$

$$5. ((8*6)/(5-3)) = 24$$

$$6. ((5-(6/3))*8) = 24$$

$$7. ((3*8)*(6-5)) = 24$$

$$8. ((3*8)/(6-5)) = 24$$

$$9. ((3*(6-5))*8) = 24$$

$$10. ((3/(6-5))*8) = 24$$

$$11. (8/((6-5)/3)) = 24$$

$$12. (3*((6-5)*8)) = 24$$

$$13. (3/((6-5)/8)) = 24$$

$$14. (3*(8/(6-5))) = 24$$

$$15. ((6*8)/(5-3)) = 24$$

$$953. [3, 5, 6, 9]$$

$$1. ((3+5)*(9-6)) = 24$$

$$2. (6-((3-5)*9)) = 24$$

$$3. (((5-3)*9)+6) = 24$$

$$4. (9-((3-6)*5)) = 24$$

$$5. (((6-3)*5)+9) = 24$$

$$6. ((3-9)+(5*6)) = 24$$

$$7. (((9-3)*5)-6) = 24$$

$$8. ((5*6)-(9-3)) = 24$$

$$9. ((3*(5+6))-9) = 24$$

$$10. (3*((5-6)+9)) = 24$$

$$11. (3*(9-(6-5))) = 24$$

$$12. ((3+(5*6))-9) = 24$$

$$13. (3+((5*6)-9)) = 24$$

$$14. (3-(9-(5*6))) = 24$$

$$15. (3*((5+9)-6)) = 24$$

$$16. (3*(5-(6-9))) = 24$$

$$17. (3*(5+(9-6))) = 24$$

$$954. [3, 5, 6, 10]$$

$$1. (((3+5)+10)+6) = 24$$

$$2. (((3+5)+6)+10) = 24$$

$$3. ((3+5)+(10+6)) = 24$$

$$4. (((3+6)+5)+10) = 24$$

$$5. (((3+6)+10)+5) = 24$$

$$6. ((3+6)+(5+10)) = 24$$

$$7. (((3+10)+5)+6) = 24$$

$$8. (((3+10)+6)+5) = 24$$

$$9. ((3+10)+(5+6)) = 24$$

$$10. ((3+(5+6))+10) = 24$$

$$11. (3+((5+6)+10)) = 24$$

$$12. ((3+(5+10))+6) = 24$$

$$13. (3+((5+10)+6)) = 24$$

$$14. (3*((10/5)+6)) = 24$$

$$15. ((3+5)+(6+10)) = 24$$

$$16. ((3+(6+10))+5) = 24$$

$$17. (3+(5+(6+10))) = 24$$

$$955. [3, 5, 6, 11]$$

$$1. (((3*5)-11)*6) = 24$$

$$2. (((3*6)-5)+11) = 24$$

$$3. (11-(5-(3*6))) = 24$$

$$4. (((3*6)+11)-5) = 24$$

$$5. ((3*6)-(5-11)) = 24$$

$$6. ((3*6)+(11-5)) = 24$$

$$7. (6-(3*(5-11))) = 24$$

$$8. ((3*(11-5))+6) = 24$$

$$956. [3, 5, 6, 12]$$

$$1. ((12-(3+5))*6) = 24$$

$$2. (((3+5)-6)*12) = 24$$

$$3. (12-((3-5)*6)) = 24$$

$$4. (((5-3)*6)+12) = 24$$

$$5. (((3-6)+5)*12) = 24$$

$$6. ((5-(6-3))*12) = 24$$

$$7. (((12-3)-5)*6) = 24$$

$$8. ((3+(5-6))*12) = 24$$

$$9. ((3-(6-5))*12) = 24$$

$$10. (((12-5)-3)*6) = 24$$

$$957. [3, 5, 6, 13]$$

$$1. ((3-6)*(5-13)) = 24$$

$$2. ((6-3)*(13-5)) = 24$$

$$958. [3, 5, 7, 7]$$

无解

$$959. [3, 5, 7, 8]$$

$$1. (((3*7)-5)+8) = 24$$

$$2. (8-(5-(3*7))) = 24$$

$$3. (((3*7)+8)-5) = 24$$

$$4. ((3*7)-(5-8)) = 24$$

$$5. ((3*7)+(8-5)) = 24$$

$$6. ((5*7)-(3+8)) = 24$$

$$7. (((5*7)-3)-8) = 24$$

$$8. (((5*7)-8)-3) = 24$$

$$9. (3-((5-8)*7)) = 24$$

$$10. (3+((8-5)*7)) = 24$$

$$960. [3, 5, 7, 9]$$

$$1. (((3+5)+9)+7) = 24$$

$$2. (((3+5)+7)+9) = 24$$

$$3. ((3+5)+(9+7)) = 24$$

$$4. (((3+7)+5)+9) = 24$$

$$5. (((3+7)+9)+5) = 24$$

$$6. ((3+7)+(5+9)) = 24$$

$$7. ((5*9)-(3*7)) = 24$$

$$8. ((5-(7/3))*9) = 24$$

$$9. (((3+9)+5)+7) = 24$$

$$10. (((3+9)+7)+5) = 24$$

$$11. ((3+9)+(5+7)) = 24$$

$$12. ((3+9)*(7-5)) = 24$$

$$13. ((3+(5+7))+9) = 24$$

$$14. (3+((5+7)+9)) = 24$$

$$15. ((3+(5+9))+7) = 24$$

$$16. (3+((5+9)+7)) = 24$$

$$17. ((3+5)+(7+9)) = 24$$

$$18. ((3+(7+9))+5) = 24$$

$$19. (3+(5+(7+9))) = 24$$

$$961. [3, 5, 7, 10]$$

$$1. ((3+5)*(10-7)) = 24$$

$$2. (10-((3-5)*7)) = 24$$

$$3. (((5-3)*7)+10) = 24$$

$$4. (3*((5-7)+10)) = 24$$

$$5. (3*(10-(7-5))) = 24$$

$$6. (3*((5+10)-7)) = 24$$

$$7. (3*(5-(7-10))) = 24$$

$$8. (3*(5+(10-7))) = 24$$

$$962. [3, 5, 7, 11]$$

$$1. ((3-7)*(5-11)) = 24$$

$$2. ((7-3)*(11-5)) = 24$$

$$3. (((7*11)-5)/3) = 24$$

$$963. [3, 5, 7, 12]$$

$$1. (((3+7)/5)*12) = 24$$

$$2. (12/(5/(3+7))) = 24$$

$$3. (((3+7)*12)/5) = 24$$

$$4. ((3+7)/(5/12)) = 24$$

$$5. ((3+7)*(12/5)) = 24$$

$$6. (((3*12)-5)-7) = 24$$

$$7. (((3*12)-7)-5) = 24$$

$$8. ((3*12)-(5+7)) = 24$$

$$9. ((3*(5+7))-12) = 24$$

$$964. [3, 5, 7, 13]$$

$$1. (((5*13)+7)/3) = 24$$

$$965. [3, 5, 8, 8]$$

$$1. (((3+5)+8)+8) = 24$$

$$2. ((3+5)+(8+8)) = 24$$

$$3. (8-((3-5)*8)) = 24$$

$$4. (((5-3)*8)+8) = 24$$

$$5. (((3+8)+5)+8) = 24$$

$$6. (((3+8)+8)+5) = 24$$

$$7. ((3+8)+(5+8)) = 24$$

$$8. ((3+(5+8))+8) = 24$$

$$9. (3+((5+8)+8)) = 24$$

$$10. ((3+(8+8))+5) = 24$$

$$11. (3+(5+(8+8))) = 24$$

$$966. [3, 5, 8, 9]$$

$$1. (((3*9)+5)-8) = 24$$

$$2. (((3*9)-8)+5) = 24$$

$$3. (5-(8-(3*9))) = 24$$

$$4. ((3*9)+(5-8)) = 24$$

$$5. ((3*9)-(8-5)) = 24$$

$$6. (((8-5)*9)-3) = 24$$

$$967. [3, 5, 8, 10]$$

无解

$$968. [3, 5, 8, 11]$$

$$1. (((11-(3+5))*8) = 24$$

$$2. ((3+5)*(11-8)) = 24$$

$$3. ((3-11)*(5-8)) = 24$$

$$4. (((11-3)-5)*8) = 24$$

$$5. ((11-3)*(8-5)) = 24$$

$$6. (3*((5-8)+11)) = 24$$

$$7. (3*(11-(8-5))) = 24$$

$$8. (3*((5+11)-8)) = 24$$

$$9. (((11-5)-3)*8) = 24$$

$$10. (3*(5-(8-11))) = 24$$

$$11. (3*(5+(11-8))) = 24$$

$$969. [3, 5, 8, 12]$$

$$1. (((3*5)-12)*8) = 24$$

$$2. (((3+12)/5)*8) = 24$$

$$3. (8/(5/(3+12))) = 24$$

$$4. (((3+12)*8)/5) = 24$$

$$5. ((3+12)/(5/8)) = 24$$

$$6. ((3+12)*(8/5)) = 24$$

$$970. [3, 5, 8, 13]$$

$$1. ((5*8)-(3+13)) = 24$$

$$2. (((5*8)-3)-13) = 24$$

$$3. (((5*8)-13)-3) = 24$$

$$971. [3, 5, 9, 9]$$

$$1. ((9/(3/5))+9) = 24$$

$$2. (((5/3)*9)+9) = 24$$

$$3. ((3-9)*(5-9)) = 24$$

$$4. ((9-3)*(9-5)) = 24$$

$$5. ((5/(3/9))+9) = 24$$

$$6. (((9/3)*5)+9) = 24$$

$$7. (((5*9)/3)+9) = 24$$

$$972. [3, 5, 9, 10]$$

$$1. (((3+9)/5)*10) = 24$$

$$2. (10/(5/(3+9))) = 24$$

$$3. (((3+9)*10)/5) = 24$$

$$4. ((3+9)/(5/10)) = 24$$

$$5. ((3+9)*(10/5)) = 24$$

$$6. (9-(3*(5-10))) = 24$$

$$7. ((3*(10-5))+9) = 24$$

$$973. [3, 5, 9, 11]$$

无解

$$974. [3, 5, 9, 12]$$

$$1. ((3+5)*(12-9)) = 24$$

$$2. ((5-(9/3))*12) = 24$$

$$3. (12-(3*(5-9))) = 24$$

$$4. (3*((5-9)+12)) = 24$$

$$5. ((3*(9-5))+12) = 24$$

$$6. (3*(12-(9-5))) = 24$$

$$7. (3*((5+12)-9)) = 24$$

$$8. (3*(5-(9-12))) = 24$$

$$9. (3*(5+(12-9))) = 24$$

$$975. [3, 5, 9, 13]$$

$$1. (9-((3-5)-13)) = 24$$

$$2. ((13-(3-5))+9) = 24$$

$$3. (13-((3-5)-9)) = 24$$

$$4. ((9-(3-5))+13) = 24$$

$$5. ((13+9)-(3-5)) = 24$$

$$6. (((5-3)+13)+9) = 24$$

$$7. (((5-3)+9)+13) = 24$$

$$8. ((5-3)+(13+9)) = 24$$

$$9. (13-((3-9)-5)) = 24$$

$$10. ((5-(3-9))+13) = 24$$

$$11. (5-((3-9)-13)) = 24$$

$$12. ((13-(3-9))+5) = 24$$

$$13. ((5+13)-(3-9)) = 24$$

$$14. (((9-3)+5)+13) = 24$$

$$15. (((9-3)+13)+5) = 24$$

$$16. ((9-3)+(5+13)) = 24$$

$$17. ((13-5)/(3/9)) = 24$$

$$18. ((9/3)*(13-5)) = 24$$

$$19. (9-((3-13)-5)) = 24$$

$$20. ((5-(3-13))+9) = 24$$

$$21. (5-((3-13)-9)) = 24$$

$$22. ((9-(3-13))+5) = 24$$

$$23. ((5+9)-(3-13)) = 24$$

$$24. (((13-3)+5)+9) = 24$$

$$25. (((13-3)+9)+5) = 24$$

$$26. ((13-3)+(5+9)) = 24$$

$$27. (13-(3-(5+9))) = 24$$

$$28. (((5+9)-3)+13) = 24$$

$$29. (((5+9)+13)-3) = 24$$

$$30. (9-(3-(5+13))) = 24$$

$$31. (((5+13)-3)+9) = 24$$

$$32. (((5+13)+9)-3) = 24$$

$$33. (9/(3/(13-5))) = 24$$

$$34. (((13-5)/3)*9) = 24$$

$$35. (((13-5)*9)/3) = 24$$

$$36. ((9+13)-(3-5)) = 24$$

$$37. ((5-3)+(9+13)) = 24$$

$$38. (5-(3-(9+13))) = 24$$

$$39. (((9+13)-3)+5) = 24$$

$$40. ((5+(9+13))-3) = 24$$

$$41. ((3+(9*13))/5) = 24$$

$$976. [3, 5, 10, 10]$$

$$1. (3*(10-(10/5))) = 24$$

$$977. [3, 5, 10, 11]$$

$$1. (((10-3)*5)-11) = 24$$

$$2. (((3*10)+5)-11) = 24$$

$$3. (((3*10)-11)+5) = 24$$

$$4. (5-(11-(3*10))) = 24$$

$$5. ((3*10)+(5-11)) = 24$$

$$6. ((3*10)-(11-5)) = 24$$

$$978. [3, 5, 10, 12]$$

$$1. ((10-(3+5))*12) = 24$$

$$2. (10-((3-5)-12)) = 24$$

$$3. ((12-(3-5))+10) = 24$$

$$4. (12-((3-5)-10)) = 24$$

$$5. ((10-(3-5))+12) = 24$$

$$6. ((12+10)-(3-5)) = 24$$

$$7. (((5-3)+12)+10) = 24$$

$$8. (((5-3)+10)+12) = 24$$

$$9. ((5-3)+(12+10)) = 24$$

$$10. (12-((3-10)-5)) = 24$$

$$11. ((5-(3-10))+12) = 24$$

$$12. (5-((3-10)-12)) = 24$$

$$13. ((12-(3-10))+5) = 24$$

$$14. ((5+12)-(3-10)) = 24$$

$$15. (((10-3)+5)+12) = 24$$

$$16. (((10-3)-5)*12) = 24$$

$$17. (((10-3)+12)+5) = 24$$

$$18. ((10-3)+(5+12)) = 24$$

$$19. (10-((3-12)-5)) = 24$$

$$20. ((5-(3-12))+10) = 24$$

$$21. (5-((3-12)-10)) = 24$$

$$22. ((10-(3-12))+5) = 24$$

$$23. ((5+10)-(3-12)) = 24$$

$$24. (((12-3)+5)+10) = 24$$

$$25. (((12-3)+10)+5) = 24$$

$$26. ((12-3)+(5+10)) = 24$$

$$27. (12-(3-(5+10))) = 24$$

$$28. (((5+10)-3)+12) = 24$$

$$29. (((5+10)+12)-3) = 24$$

$$30. (((10-5)-3)*12) = 24$$

$$31. (10-(3-(5+12))) = 24$$

$$32. (((5+12)-3)+10) = 24$$

$$33. (((5+12)+10)-3) = 24$$

$$34. ((10+12)-(3-5)) = 24$$

$$35. ((5-3)+(10+12)) = 24$$

$$36. (5-(3-(10+12))) = 24$$

$$37. (((10+12)-3)+5) = 24$$

$$38. ((5+(10+12))-3) = 24$$

$$979. [3, 5, 10, 13]$$

$$1. ((3+5)*(13-10)) = 24$$

$$2. (((3*13)-5)-10) = 24$$

$$3. (((3*13)-10)-5) = 24$$

$$4. ((3*13)-(5+10)) = 24$$

$$5. (3*((5-10)+13)) = 24$$

$$6. (3*(13-(10-5))) = 24$$

$$7. (3*((5+13)-10)) = 24$$

$$8. (3*(5-(10-13))) = 24$$

$$9. (3*(5+(13-10))) = 24$$

$$980. [3, 5, 11, 11]$$

$$1. (11-((3-5)-11)) = 24$$

$$2. ((11-(3-5))+11) = 24$$

$$3. ((11+11)-(3-5)) = 24$$

$$4. (((5-3)+11)+11) = 24$$

$$5. ((5-3)+(11+11)) = 24$$

$$6. (11-((3-11)-5)) = 24$$

$$\begin{aligned}
7. & ((5-(3-11))+11) = 24 \\
8. & (5-((3-11)-11)) = 24 \\
9. & (((11-(3-11))+5) = 24 \\
10. & ((5+11)-(3-11)) = 24 \\
11. & (((11-3)+5)+11) = 24 \\
12. & (((11-3)+11)+5) = 24 \\
13. & ((11-3)+(5+11)) = 24 \\
14. & (11-(3-(5+11))) = 24 \\
15. & (((5+11)-3)+11) = 24 \\
16. & (((5+11)+11)-3) = 24 \\
17. & (5-(3-(11+11))) = 24 \\
18. & (((11+11)-3)+5) = 24 \\
19. & ((5+(11+11))-3) = 24
\end{aligned}$$

981. [3, 5, 11, 12]

$$\begin{aligned}
1. & ((11-5)/(3/12)) = 24 \\
2. & ((12/3)*(11-5)) = 24 \\
3. & (12/(3/(11-5))) = 24 \\
4. & (((11-5)/3)*12) = 24 \\
5. & (((11-5)*12)/3) = 24
\end{aligned}$$

982. [3, 5, 11, 13]

无解

983. [3, 5, 12, 12]

$$\begin{aligned}
1. & ((5*12)-(3*12)) = 24 \\
2. & (((5*12)+12)/3) = 24
\end{aligned}$$

984. [3, 5, 12, 13]

$$\begin{aligned}
1. & (((3*5)-13)*12) = 24 \\
2. & (((13-3)/5)*12) = 24 \\
3. & (12/(5/(13-3))) = 24 \\
4. & (((13-3)*12)/5) = 24 \\
5. & ((13-3)/(5/12)) = 24 \\
6. & ((13-3)*(12/5)) = 24
\end{aligned}$$

985. [3, 5, 13, 13]

$$\begin{aligned}
1. & (((3-5)+13)+13) = 24 \\
2. & ((3-5)+(13+13)) = 24 \\
3. & (13-((5-3)-13)) = 24 \\
4. & ((13-(5-3))+13) = 24 \\
5. & ((13+13)-(5-3)) = 24 \\
6. & (((3+13)-5)+13) = 24 \\
7. & (13-(5-(3+13))) = 24 \\
8. & (((3+13)+13)-5) = 24 \\
9. & ((3+13)-(5-13)) = 24 \\
10. & ((3+13)+(13-5)) = 24 \\
11. & ((3-(5-13))+13) = 24 \\
12. & (13-((5-13)-3)) = 24
\end{aligned}$$

$$\begin{aligned}
13. & (3-((5-13)-13)) = 24 \\
14. & (3+(13-(5-13))) = 24 \\
15. & ((3+(13-5))+13) = 24 \\
16. & (3+((13-5)+13)) = 24 \\
17. & ((3+(13+13))-5) = 24 \\
18. & (3-(5-(13+13))) = 24 \\
19. & (3+((13+13)-5)) = 24
\end{aligned}$$

986. [3, 6, 6, 6]

$$\begin{aligned}
1. & (6-((3-6)*6)) = 24 \\
2. & (((6-3)*6)+6) = 24 \\
3. & ((6+6)/(3/6)) = 24 \\
4. & ((6-(6/3))*6) = 24 \\
5. & ((6/3)*(6+6)) = 24 \\
6. & (6/(3/(6+6))) = 24 \\
7. & (((6+6)/3)*6) = 24 \\
8. & (((6+6)*6)/3) = 24 \\
9. & ((3+(6/6))*6) = 24 \\
10. & ((6*(6+6))/3) = 24
\end{aligned}$$

987. [3, 6, 6, 7]

$$\begin{aligned}
1. & (((3-6)+7)*6) = 24 \\
2. & ((7-(6-3))*6) = 24 \\
3. & ((7*6)-(3*6)) = 24 \\
4. & ((6*7)-(3*6)) = 24 \\
5. & (((3+7)-6)*6) = 24 \\
6. & (3*((6/6)+7)) = 24 \\
7. & ((3-(6-7))*6) = 24 \\
8. & ((3+(7-6))*6) = 24
\end{aligned}$$

988. [3, 6, 6, 8]

$$\begin{aligned}
1. & (((3+6)-6)*8) = 24 \\
2. & (((3-6)+6)*8) = 24 \\
3. & ((6-(6-3))*8) = 24 \\
4. & (((3*6)*8)/6) = 24 \\
5. & (((3*6)/6)*8) = 24 \\
6. & (8/(6/(3*6))) = 24 \\
7. & ((3*6)*(8/6)) = 24 \\
8. & ((3*6)/(6/8)) = 24 \\
9. & (((3/6)*8)*6) = 24 \\
10. & (((3/6)*6)*8) = 24 \\
11. & ((3/6)*(8*6)) = 24 \\
12. & (6/((6/3)/8)) = 24 \\
13. & ((8/(6/3))*6) = 24 \\
14. & (8/((6/3)/6)) = 24 \\
15. & ((6/(6/3))*8) = 24 \\
16. & ((8*6)/(6/3)) = 24 \\
17. & ((3/6)*(6*8)) = 24 \\
18. & ((6*8)/(6/3)) = 24
\end{aligned}$$

$$\begin{aligned}
19. & (((8-3)*6)-6) = 24 \\
20. & (((3*8)+6)-6) = 24 \\
21. & (((3*8)-6)+6) = 24 \\
22. & (6-(6-(3*8))) = 24 \\
23. & (((3*8)*6)/6) = 24 \\
24. & (((3*8)/6)*6) = 24 \\
25. & (6/(6/(3*8))) = 24 \\
26. & ((3*8)+(6-6)) = 24 \\
27. & ((3*8)-(6-6)) = 24 \\
28. & ((3*8)*(6/6)) = 24 \\
29. & ((3*8)/(6/6)) = 24 \\
30. & ((3+(6-6))*8) = 24 \\
31. & ((3-(6-6))*8) = 24 \\
32. & (3*((6-6)+8)) = 24 \\
33. & (3*(8-(6-6))) = 24 \\
34. & ((3*(6/6))*8) = 24 \\
35. & ((3/(6/6))*8) = 24 \\
36. & (8/((6/6)/3)) = 24 \\
37. & (3*((6/6)*8)) = 24 \\
38. & (3/((6/6)/8)) = 24 \\
39. & (3*(8/(6/6))) = 24 \\
40. & (3*((6+8)-6)) = 24 \\
41. & (3*(6-(6-8))) = 24 \\
42. & (3*((8-6)+6)) = 24 \\
43. & ((3*(6*8))/6) = 24 \\
44. & (3*((6*8)/6)) = 24 \\
45. & (3/(6/(6*8))) = 24 \\
46. & ((3/(6/8))*6) = 24 \\
47. & (6/((6/8)/3)) = 24 \\
48. & (3/((6/8)/6)) = 24 \\
49. & (3*(6/(6/8))) = 24 \\
50. & ((3*(8/6))*6) = 24 \\
51. & (3*((8/6)*6)) = 24 \\
52. & (3*(6+(8-6))) = 24 \\
53. & (3*(6*(8/6))) = 24
\end{aligned}$$

989. [3, 6, 6, 9]

$$\begin{aligned}
1. & (((3+6)+9)+6) = 24 \\
2. & (((3+6)+6)+9) = 24 \\
3. & ((3+6)+(9+6)) = 24 \\
4. & ((9/(3/6))+6) = 24 \\
5. & (((6/3)*9)+6) = 24 \\
6. & ((3+6)+(6+9)) = 24 \\
7. & (((3+9)+6)+6) = 24 \\
8. & ((3+9)+(6+6)) = 24 \\
9. & ((6*6)-(3+9)) = 24 \\
10. & ((6/(3/9))+6) = 24 \\
11. & (((9/3)*6)+6) = 24 \\
12. & ((3+(6+6))+9) = 24
\end{aligned}$$

$$\begin{aligned}
13. & (3+((6+6)+9)) = 24 \\
14. & (((6*6)-3)-9) = 24 \\
15. & (((6*6)-9)-3) = 24 \\
16. & (3*(9-(6/6))) = 24 \\
17. & ((3+(6+9))+6) = 24 \\
18. & (3+((6+9)+6)) = 24 \\
19. & (((6*9)/3)+6) = 24 \\
20. & (3+(6+(6+9))) = 24
\end{aligned}$$

990. [3, 6, 6, 10]

$$1. (((6-3)*10)-6) = 24$$

991. [3, 6, 6, 11]

$$\begin{aligned}
1. & (((6*11)+6)/3) = 24 \\
2. & ((6+(6*11))/3) = 24
\end{aligned}$$

992. [3, 6, 6, 12]

$$\begin{aligned}
1. & (6/((6-3)/12)) = 24 \\
2. & ((12/(6-3))*6) = 24 \\
3. & (12/((6-3)/6)) = 24 \\
4. & ((6/(6-3))*12) = 24 \\
5. & ((12*6)/(6-3)) = 24 \\
6. & (((3*6)+12)-6) = 24 \\
7. & (((3*6)-6)+12) = 24 \\
8. & (12-(6-(3*6))) = 24 \\
9. & ((3*6)+(12-6)) = 24 \\
10. & ((3*6)-(6-12)) = 24 \\
11. & ((6/(3/6))+12) = 24 \\
12. & (((6/3)*6)+12) = 24 \\
13. & ((6*12)/(6-3)) = 24 \\
14. & (((3*12)-6)-6) = 24 \\
15. & ((3*12)-(6+6)) = 24 \\
16. & ((3*(6+6))-12) = 24 \\
17. & (((6*6)/3)+12) = 24 \\
18. & ((3-(6/6))*12) = 24 \\
19. & (6-(3*(6-12))) = 24 \\
20. & ((3*(12-6))+6) = 24 \\
21. & (3*((12/6)+6)) = 24 \\
22. & (3*(6+(12/6))) = 24
\end{aligned}$$

993. [3, 6, 6, 13]

$$\begin{aligned}
1. & ((13-(3+6))*6) = 24 \\
2. & (((13-3)-6)*6) = 24 \\
3. & (((13-6)-3)*6) = 24 \\
4. & (((6*13)-6)/3) = 24
\end{aligned}$$

994. [3, 6, 7, 7]

$$\begin{aligned}
1. & (3*(7-(6-7))) = 24 \\
2. & (3*((7-6)+7)) = 24
\end{aligned}$$

$$3. (3*((7+7)-6)) = 24$$

$$4. (((3+(7/7))*6) = 24$$

$$995. [3, 6, 7, 8]$$

$$1. (((3+6)+8)+7) = 24$$

$$2. (((3+6)+7)+8) = 24$$

$$3. ((3+6)+(8+7)) = 24$$

$$4. (((3+7)+6)+8) = 24$$

$$5. (((3+7)+8)+6) = 24$$

$$6. ((3+7)+(6+8)) = 24$$

$$7. (((3-7)+8)*6) = 24$$

$$8. ((8-(7-3))*6) = 24$$

$$9. (((3+8)+6)+7) = 24$$

$$10. (((3+8)+7)+6) = 24$$

$$11. (((3+8)-7)*6) = 24$$

$$12. ((3+8)+(6+7)) = 24$$

$$13. ((3*8)*(7-6)) = 24$$

$$14. ((3*8)/(7-6)) = 24$$

$$15. ((3+(6+7))+8) = 24$$

$$16. (3+((6+7)+8)) = 24$$

$$17. ((3*(7-6))*8) = 24$$

$$18. ((3/(7-6))*8) = 24$$

$$19. (8/((7-6)/3)) = 24$$

$$20. (3*((7-6)*8)) = 24$$

$$21. (3/((7-6)/8)) = 24$$

$$22. (3*(8/(7-6))) = 24$$

$$23. ((3+(6+8))+7) = 24$$

$$24. (3+((6+8)+7)) = 24$$

$$25. ((3+6)+(7+8)) = 24$$

$$26. ((3+(7+8))+6) = 24$$

$$27. (3+(6+(7+8))) = 24$$

$$28. ((3-(7-8))*6) = 24$$

$$29. ((3+(8-7))*6) = 24$$

$$996. [3, 6, 7, 9]$$

$$1. (((3*7)-6)+9) = 24$$

$$2. (9-(6-(3*7))) = 24$$

$$3. (((3*7)+9)-6) = 24$$

$$4. ((3*7)-(6-9)) = 24$$

$$5. ((3*7)+(9-6)) = 24$$

$$6. ((7-(9/3))*6) = 24$$

$$7. (3*((6-7)+9)) = 24$$

$$8. (3*(9-(7-6))) = 24$$

$$9. (3*((6+9)-7)) = 24$$

$$10. (3-((6-9)*7)) = 24$$

$$11. (3+((9-6)*7)) = 24$$

$$12. (3*(6-(7-9))) = 24$$

$$13. (3*(6+(9-7))) = 24$$

$$997. [3, 6, 7, 10]$$

$$1. ((7/(3/6))+10) = 24$$

$$2. (((6/3)*7)+10) = 24$$

$$3. ((6/(3/7))+10) = 24$$

$$4. (((7/3)*6)+10) = 24$$

$$5. (((6*7)/3)+10) = 24$$

$$998. [3, 6, 7, 11]$$

无解

$$999. [3, 6, 7, 12]$$

$$1. (((3+6)-7)*12) = 24$$

$$2. (((3-7)+6)*12) = 24$$

$$3. ((3-7)*(6-12)) = 24$$

$$4. ((6-(7-3))*12) = 24$$

$$5. ((7-3)*(12-6)) = 24$$

$$6. ((3+(6-7))*12) = 24$$

$$7. ((3-(7-6))*12) = 24$$

$$1000. [3, 6, 7, 13]$$

$$1. (((3*6)+13)-7) = 24$$

$$2. (((3*6)-7)+13) = 24$$

$$3. (13-(7-(3*6))) = 24$$

$$4. ((3*6)+(13-7)) = 24$$

$$5. ((3*6)-(7-13)) = 24$$

$$6. (6-(3*(7-13))) = 24$$

$$7. ((3*(13-7))+6) = 24$$

$$1001. [3, 6, 8, 8]$$

$$1. ((8/(3/6))+8) = 24$$

$$2. (((6/3)*8)+8) = 24$$

$$3. ((6*8)-(3*8)) = 24$$

$$4. ((6/(3/8))+8) = 24$$

$$5. (((8/3)*6)+8) = 24$$

$$6. (((6*8)/3)+8) = 24$$

$$7. ((3+(8/8))*6) = 24$$

$$1002. [3, 6, 8, 9]$$

$$1. (8/((6-3)/9)) = 24$$

$$2. ((9/(6-3))*8) = 24$$

$$3. (9/((6-3)/8)) = 24$$

$$4. ((8/(6-3))*9) = 24$$

$$5. ((9*8)/(6-3)) = 24$$

$$6. (((3-8)+9)*6) = 24$$

$$7. ((9-(8-3))*6) = 24$$

$$8. (((3+9)-8)*6) = 24$$

$$9. ((3+9)*(8-6)) = 24$$

$$10. ((6-(9/3))*8) = 24$$

$$11. ((3-(8-9))*6) = 24$$

$$12. ((3+(9-8))*6) = 24$$

$$13. ((8*9)/(6-3)) = 24$$

$$1003. [3, 6, 8, 10]$$

$$1. (3*((6-8)+10)) = 24$$

$$2. (3*(10-(8-6))) = 24$$

$$3. (3*((6+10)-8)) = 24$$

$$4. (3*(6-(8-10))) = 24$$

$$5. (3*(6+(10-8))) = 24$$

$$1004. [3, 6, 8, 11]$$

无解

$$1005. [3, 6, 8, 12]$$

$$1. ((12-(3+6))*8) = 24$$

$$2. (((12-3)-6)*8) = 24$$

$$3. ((8-(12/3))*6) = 24$$

$$4. (((12-6)-3)*8) = 24$$

$$1006. [3, 6, 8, 13]$$

$$1. (8-((3-6)-13)) = 24$$

$$2. ((13-(3-6))+8) = 24$$

$$3. (13-((3-6)-8)) = 24$$

$$4. ((8-(3-6))+13) = 24$$

$$5. ((13+8)-(3-6)) = 24$$

$$6. (((6-3)+13)+8) = 24$$

$$7. (((6-3)+8)+13) = 24$$

$$8. ((6-3)+(13+8)) = 24$$

$$9. (13-((3-8)-6)) = 24$$

$$10. ((6-(3-8))+13) = 24$$

$$11. (6-((3-8)-13)) = 24$$

$$12. ((13-(3-8))+6) = 24$$

$$13. ((6+13)-(3-8)) = 24$$

$$14. (((8-3)+6)+13) = 24$$

$$15. (((8-3)+13)+6) = 24$$

$$16. ((8-3)+(6+13)) = 24$$

$$17. (8-((3-13)-6)) = 24$$

$$18. ((6-(3-13))+8) = 24$$

$$19. (6-((3-13)-8)) = 24$$

$$20. ((8-(3-13))+6) = 24$$

$$21. ((6+8)-(3-13)) = 24$$

$$22. (((13-3)+6)+8) = 24$$

$$23. (((13-3)+8)+6) = 24$$

$$24. ((13-3)+(6+8)) = 24$$

$$25. (13-(3-(6+8))) = 24$$

$$26. (((6+8)-3)+13) = 24$$

$$27. (((6+8)+13)-3) = 24$$

$$28. (8-(3-(6+13))) = 24$$

$$29. (((6+13)-3)+8) = 24$$

$$30. (((6+13)+8)-3) = 24$$

$$31. ((8+13)-(3-6)) = 24$$

$$32. ((6-3)+(8+13)) = 24$$

$$33. (6-(3-(8+13))) = 24$$

$$34. (((8+13)-3)+6) = 24$$

$$35. ((6+(8+13))-3) = 24$$

$$1007. [3, 6, 9, 9]$$

$$1. (((3*9)+6)-9) = 24$$

$$2. (((3*9)-9)+6) = 24$$

$$3. (6-(9-(3*9))) = 24$$

$$4. ((3*9)+(6-9)) = 24$$

$$5. ((3*9)-(9-6)) = 24$$

$$6. (((9-6)*9)-3) = 24$$

$$7. ((3+(9/9))*6) = 24$$

$$1008. [3, 6, 9, 10]$$

$$1. (((3-9)+10)*6) = 24$$

$$2. ((3-9)*(6-10)) = 24$$

$$3. ((10-(9-3))*6) = 24$$

$$4. ((9-3)*(10-6)) = 24$$

$$5. ((10/(3/9))-6) = 24$$

$$6. (((9/3)*10)-6) = 24$$

$$7. (((3+10)-9)*6) = 24$$

$$8. ((6*9)-(3*10)) = 24$$

$$9. ((9/(3/10))-6) = 24$$

$$10. ((6-(10/3))*9) = 24$$

$$11. (((10/3)*9)-6) = 24$$

$$12. ((3-(9-10))*6) = 24$$

$$13. ((3+(10-9))*6) = 24$$

$$14. (((9*10)/3)-6) = 24$$

$$1009. [3, 6, 9, 11]$$

$$1. (((6-3)*11)-9) = 24$$

$$2. ((3-11)*(6-9)) = 24$$

$$3. ((11-3)*(9-6)) = 24$$

$$4. (3*((6-9)+11)) = 24$$

$$5. (3*(11-(9-6))) = 24$$

$$6. (3*((6+11)-9)) = 24$$

$$7. (9-(3*(6-11))) = 24$$

$$8. ((3*(11-6))+9) = 24$$

$$9. (3*(6-(9-11))) = 24$$

$$10. (3*(6+(11-9))) = 24$$

$$1010. [3, 6, 9, 12]$$

$$1. (9-((3-6)-12)) = 24$$

$$2. ((12-(3-6))+9) = 24$$

$$3. (12-((3-6)-9)) = 24$$

$$4. ((9-(3-6))+12) = 24$$

$$\begin{aligned}
&5. ((12+9)-(3-6)) = 24 \\
&6. (((6-3)+12)+9) = 24 \\
&7. (((6-3)+9)+12) = 24 \\
&8. ((6-3)+(12+9)) = 24 \\
&9. (((3*6)*12)/9) = 24 \\
&10. (((3*6)/9)*12) = 24 \\
&11. (12/(9/(3*6))) = 24 \\
&12. ((3*6)*(12/9)) = 24 \\
&13. ((3*6)/(9/12)) = 24 \\
&14. (((3+9)/6)*12) = 24 \\
&15. (12/(6/(3+9))) = 24 \\
&16. (((3+9)*12)/6) = 24 \\
&17. ((3+9)/(6/12)) = 24 \\
&18. ((3+9)*(12/6)) = 24 \\
&19. (12-((3-9)-6)) = 24 \\
&20. ((6-(3-9))+12) = 24 \\
&21. (6-((3-9)-12)) = 24 \\
&22. ((12-(3-9))+6) = 24 \\
&23. ((6+12)-(3-9)) = 24 \\
&24. (((9-3)+6)+12) = 24 \\
&25. (((9-3)*6)-12) = 24 \\
&26. (((9-3)+12)+6) = 24 \\
&27. ((9-3)+(6+12)) = 24 \\
&28. (((3/9)*6)*12) = 24 \\
&29. (((3/9)*12)*6) = 24 \\
&30. ((3/9)*(6*12)) = 24 \\
&31. (12/((9/3)/6)) = 24 \\
&32. ((6/(9/3))*12) = 24 \\
&33. (6/((9/3)/12)) = 24 \\
&34. ((12/(9/3))*6) = 24 \\
&35. ((6*12)/(9/3)) = 24 \\
&36. (9-((3-12)-6)) = 24 \\
&37. ((6-(3-12))+9) = 24 \\
&38. (6-((3-12)-9)) = 24 \\
&39. ((9-(3-12))+6) = 24 \\
&40. ((6+9)-(3-12)) = 24 \\
&41. (((12-3)+6)+9) = 24 \\
&42. (((12-3)+9)+6) = 24 \\
&43. ((12-3)+(6+9)) = 24 \\
&44. (((3*12)*6)/9) = 24 \\
&45. (((3*12)/9)*6) = 24 \\
&46. (6/(9/(3*12))) = 24 \\
&47. ((3*12)*(6/9)) = 24 \\
&48. ((3*12)/(9/6)) = 24 \\
&49. (12-(3-(6+9))) = 24 \\
&50. (((6+9)-3)+12) = 24 \\
&51. (((6+9)+12)-3) = 24 \\
&52. ((3*(6/9))*12) = 24 \\
&53. (3*((6/9)*12)) = 24
\end{aligned}$$

$$\begin{aligned}
&54. ((3/(9/6))*12) = 24 \\
&55. (12/((9/6)/3)) = 24 \\
&56. (3/((9/6)/12)) = 24 \\
&57. (3*(12/(9/6))) = 24 \\
&58. (9-(3-(6+12))) = 24 \\
&59. (((6+12)-3)+9) = 24 \\
&60. (((6+12)+9)-3) = 24 \\
&61. ((3*(6*12))/9) = 24 \\
&62. (3*((6*12)/9)) = 24 \\
&63. (3/(9/(6*12))) = 24 \\
&64. ((9+12)-(3-6)) = 24 \\
&65. ((6-3)+(9+12)) = 24 \\
&66. (6-(3-(9+12))) = 24 \\
&67. (((9+12)-3)+6) = 24 \\
&68. ((6+(9+12))-3) = 24 \\
&69. ((3/(9/12))*6) = 24 \\
&70. (6/((9/12)/3)) = 24 \\
&71. (3*(6/(9/12))) = 24 \\
&72. (3/((9/12)/6)) = 24 \\
&73. ((3*(12/9))*6) = 24 \\
&74. (3*(6*(12/9))) = 24
\end{aligned}$$

1011. [3, 6, 9, 13]

$$\begin{aligned}
&1. (((6/3)+13)+9) = 24 \\
&2. (((6/3)+9)+13) = 24 \\
&3. ((6/3)+(13+9)) = 24 \\
&4. (((3+13)/6)*9) = 24 \\
&5. (9/(6/(3+13))) = 24 \\
&6. (((3+13)*9)/6) = 24 \\
&7. ((3+13)/(6/9)) = 24 \\
&8. ((3+13)*(9/6)) = 24 \\
&9. (((3*13)-6)-9) = 24 \\
&10. (((3*13)-9)-6) = 24 \\
&11. ((3*13)-(6+9)) = 24 \\
&12. ((6/3)+(9+13)) = 24
\end{aligned}$$

1012. [3, 6, 10, 10]

$$\begin{aligned}
&1. ((3-(6/10))*10) = 24 \\
&2. ((3+(10/10))*6) = 24
\end{aligned}$$

1013. [3, 6, 10, 11]

$$\begin{aligned}
&1. (10-((3-6)-11)) = 24 \\
&2. ((11-(3-6))+10) = 24 \\
&3. (11-((3-6)-10)) = 24 \\
&4. ((10-(3-6))+11) = 24 \\
&5. ((11+10)-(3-6)) = 24 \\
&6. (((6-3)+11)+10) = 24 \\
&7. (((6-3)+10)+11) = 24 \\
&8. ((6-3)+(11+10)) = 24
\end{aligned}$$

$$\begin{aligned}
&9. (11-((3-10)-6)) = 24 \\
&10. ((6-(3-10))+11) = 24 \\
&11. (((3-10)+11)*6) = 24 \\
&12. (6-((3-10)-11)) = 24 \\
&13. ((11-(3-10))+6) = 24 \\
&14. ((6+11)-(3-10)) = 24 \\
&15. (((10-3)+6)+11) = 24 \\
&16. (((10-3)+11)+6) = 24 \\
&17. ((11-(10-3))*6) = 24 \\
&18. ((10-3)+(6+11)) = 24 \\
&19. (((3+11)-10)*6) = 24 \\
&20. (10-((3-11)-6)) = 24 \\
&21. ((6-(3-11))+10) = 24 \\
&22. (6-((3-11)-10)) = 24 \\
&23. ((10-(3-11))+6) = 24 \\
&24. ((6+10)-(3-11)) = 24 \\
&25. (((11-3)+6)+10) = 24 \\
&26. (((11-3)+10)+6) = 24 \\
&27. ((11-3)+(6+10)) = 24 \\
&28. (11-(3-(6+10))) = 24 \\
&29. (((6+10)-3)+11) = 24 \\
&30. (((6+10)+11)-3) = 24 \\
&31. (10-(3-(6+11))) = 24 \\
&32. (((6+11)-3)+10) = 24 \\
&33. (((6+11)+10)-3) = 24 \\
&34. ((10+11)-(3-6)) = 24 \\
&35. ((6-3)+(10+11)) = 24 \\
&36. (6-(3-(10+11))) = 24 \\
&37. (((10+11)-3)+6) = 24 \\
&38. ((6+(10+11))-3) = 24 \\
&39. ((3-(10-11))*6) = 24 \\
&40. ((3+(11-10))*6) = 24
\end{aligned}$$

1014. [3, 6, 10, 12]

$$\begin{aligned}
&1. (((6/3)+12)+10) = 24 \\
&2. (((6/3)+10)+12) = 24 \\
&3. ((6/3)+(12+10)) = 24 \\
&4. (((3*10)+6)-12) = 24 \\
&5. (((3*10)-12)+6) = 24 \\
&6. (6-(12-(3*10))) = 24 \\
&7. ((3*10)+(6-12)) = 24 \\
&8. ((3*10)-(12-6)) = 24 \\
&9. ((6*10)-(3*12)) = 24 \\
&10. (12-(3*(6-10))) = 24 \\
&11. (3*((6-10)+12)) = 24 \\
&12. ((3*(10-6))+12) = 24 \\
&13. (3*(12-(10-6))) = 24 \\
&14. (((6*10)+12)/3) = 24 \\
&15. (3*((6+12)-10)) = 24
\end{aligned}$$

$$\begin{aligned}
&16. (3*(10-(12/6))) = 24 \\
&17. ((6/3)+(10+12)) = 24 \\
&18. (3*(6-(10-12))) = 24 \\
&19. (3*(6+(12-10))) = 24
\end{aligned}$$

1015. [3, 6, 10, 13]

无解

1016. [3, 6, 11, 11]

$$\begin{aligned}
&1. (((6/3)+11)+11) = 24 \\
&2. ((6/3)+(11+11)) = 24 \\
&3. ((3+(11/11))*6) = 24
\end{aligned}$$

1017. [3, 6, 11, 12]

$$\begin{aligned}
&1. ((11-(3+6))*12) = 24 \\
&2. (((3-11)+12)*6) = 24 \\
&3. (((11-3)-6)*12) = 24 \\
&4. ((12-(11-3))*6) = 24 \\
&5. (((3+12)-11)*6) = 24 \\
&6. (((11-6)-3)*12) = 24 \\
&7. ((3-(11-12))*6) = 24 \\
&8. ((3+(12-11))*6) = 24
\end{aligned}$$

1018. [3, 6, 11, 13]

$$\begin{aligned}
&1. (3*((6-11)+13)) = 24 \\
&2. (3*(13-(11-6))) = 24 \\
&3. (3*((6+13)-11)) = 24 \\
&4. (3*(6-(11-13))) = 24 \\
&5. (3*(6+(13-11))) = 24
\end{aligned}$$

1019. [3, 6, 12, 12]

$$\begin{aligned}
&1. (((6-3)*12)-12) = 24 \\
&2. ((12-6)/(3/12)) = 24 \\
&3. ((6-(12/3))*12) = 24 \\
&4. ((12/3)*(12-6)) = 24 \\
&5. (12/(3/(12-6))) = 24 \\
&6. (((12-6)/3)*12) = 24 \\
&7. (((12-6)*12)/3) = 24 \\
&8. ((3+(12/12))*6) = 24
\end{aligned}$$

1020. [3, 6, 12, 13]

$$\begin{aligned}
&1. (((3-12)+13)*6) = 24 \\
&2. ((13-(12-3))*6) = 24 \\
&3. (((3+13)-12)*6) = 24 \\
&4. ((3-(12-13))*6) = 24 \\
&5. ((3+(13-12))*6) = 24
\end{aligned}$$

1021. [3, 6, 13, 13]

$$1. (13-((6/3)-13)) = 24$$

$$2. ((13-(6/3))+13) = 24$$

$$3. ((13+13)-(6/3)) = 24$$

$$4. ((3+(13/13))*6) = 24$$

$$1022. [3, 7, 7, 7]$$

$$1. (((3+7)+7)+7) = 24$$

$$2. ((3+7)+(7+7)) = 24$$

$$3. ((3+(7+7))+7) = 24$$

$$4. (3+((7+7)+7)) = 24$$

$$5. (3*((7/7)+7)) = 24$$

$$6. (3+(7+(7+7))) = 24$$

$$7. (3*(7+(7/7))) = 24$$

$$1023. [3, 7, 7, 8]$$

$$1. (((3+7)-7)*8) = 24$$

$$2. (((3-7)+7)*8) = 24$$

$$3. ((7-(7-3))*8) = 24$$

$$4. (((3*7)*8)/7) = 24$$

$$5. (((3*7)/7)*8) = 24$$

$$6. (8/(7/(3*7))) = 24$$

$$7. ((3*7)*(8/7)) = 24$$

$$8. ((3*7)/(7/8)) = 24$$

$$9. (((3/7)*8)*7) = 24$$

$$10. (((3/7)*7)*8) = 24$$

$$11. ((3/7)*(8*7)) = 24$$

$$12. (7/((7/3)/8)) = 24$$

$$13. ((8/(7/3))*7) = 24$$

$$14. (8/((7/3)/7)) = 24$$

$$15. ((7/(7/3))*8) = 24$$

$$16. ((8*7)/(7/3)) = 24$$

$$17. ((3/7)*(7*8)) = 24$$

$$18. ((7*8)/(7/3)) = 24$$

$$19. (((3*8)+7)-7) = 24$$

$$20. (((3*8)-7)+7) = 24$$

$$21. (7-(7-(3*8))) = 24$$

$$22. (((3*8)*7)/7) = 24$$

$$23. (((3*8)/7)*7) = 24$$

$$24. (7/(7/(3*8))) = 24$$

$$25. ((3*8)+(7-7)) = 24$$

$$26. ((3*8)-(7-7)) = 24$$

$$27. ((3*8)*(7/7)) = 24$$

$$28. ((3*8)/(7/7)) = 24$$

$$29. ((3+(7-7))*8) = 24$$

$$30. ((3-(7-7))*8) = 24$$

$$31. (3*((7-7)+8)) = 24$$

$$32. (3*(8-(7-7))) = 24$$

$$33. ((3*(7/7))*8) = 24$$

$$34. ((3/(7/7))*8) = 24$$

$$35. (8/((7/7)/3)) = 24$$

$$36. (3*((7/7)*8)) = 24$$

$$37. (3/((7/7)/8)) = 24$$

$$38. (3*(8/(7/7))) = 24$$

$$39. (3*((7+8)-7)) = 24$$

$$40. (3*(7-(7-8))) = 24$$

$$41. (3*((8-7)+7)) = 24$$

$$42. ((3*(7*8))/7) = 24$$

$$43. (3*((7*8)/7)) = 24$$

$$44. (3/(7/(7*8))) = 24$$

$$45. ((3/(7/8))*7) = 24$$

$$46. (7/((7/8)/3)) = 24$$

$$47. (3/((7/8)/7)) = 24$$

$$48. (3*(7/(7/8))) = 24$$

$$49. ((3*(8/7))*7) = 24$$

$$50. (3*((8/7)*7)) = 24$$

$$51. (3*(7+(8-7))) = 24$$

$$52. (3*(7*(8/7))) = 24$$

$$1024. [3, 7, 7, 9]$$

$$1. (3*(9-(7/7))) = 24$$

$$1025. [3, 7, 7, 10]$$

$$1. (((3*7)+10)-7) = 24$$

$$2. (((3*7)-7)+10) = 24$$

$$3. (10-(7-(3*7))) = 24$$

$$4. ((3*7)+(10-7)) = 24$$

$$5. ((3*7)-(7-10)) = 24$$

$$6. (3-((7-10)*7)) = 24$$

$$7. (3+((10-7)*7)) = 24$$

$$8. (3-(7*(7-10))) = 24$$

$$9. (3+(7*(10-7))) = 24$$

$$1026. [3, 7, 7, 11]$$

无解

$$1027. [3, 7, 7, 12]$$

$$1. ((3-(7/7))*12) = 24$$

$$1028. [3, 7, 7, 13]$$

$$1. (7-((3-7)-13)) = 24$$

$$2. ((13-(3-7))+7) = 24$$

$$3. (13-((3-7)-7)) = 24$$

$$4. ((7-(3-7))+13) = 24$$

$$5. ((13+7)-(3-7)) = 24$$

$$6. ((3-7)*(7-13)) = 24$$

$$7. (((7-3)+13)+7) = 24$$

$$8. (((7-3)+7)+13) = 24$$

$$9. ((7-3)+(13+7)) = 24$$

$$10. ((7-3)*(13-7)) = 24$$

$$11. ((7+13)-(3-7)) = 24$$

$$12. ((7-3)+(7+13)) = 24$$

$$13. (7-((3-13)-7)) = 24$$

$$14. ((7-(3-13))+7) = 24$$

$$15. ((7+7)-(3-13)) = 24$$

$$16. (((13-3)+7)+7) = 24$$

$$17. ((13-3)+(7+7)) = 24$$

$$18. (13-(3-(7+7))) = 24$$

$$19. (((7+7)-3)+13) = 24$$

$$20. (((7+7)+13)-3) = 24$$

$$21. (7-(3-(7+13))) = 24$$

$$22. (((7+13)-3)+7) = 24$$

$$23. (((7+13)+7)-3) = 24$$

$$24. ((7+(7+13))-3) = 24$$

$$1029. [3, 7, 8, 8]$$

$$1. (((7-3)*8)-8) = 24$$

$$2. ((3*8)*(8-7)) = 24$$

$$3. ((3*8)/(8-7)) = 24$$

$$4. ((3*(8-7))*8) = 24$$

$$5. ((3/(8-7))*8) = 24$$

$$6. (8/((8-7)/3)) = 24$$

$$7. (3*((8-7)*8)) = 24$$

$$8. (3/((8-7)/8)) = 24$$

$$9. (3*(8/(8-7))) = 24$$

$$10. (3*(7+(8/8))) = 24$$

$$1030. [3, 7, 8, 9]$$

$$1. (3*((7-8)+9)) = 24$$

$$2. (3*(9-(8-7))) = 24$$

$$3. (3*((7+9)-8)) = 24$$

$$4. (3*(7-(8-9))) = 24$$

$$5. (3*(7+(9-8))) = 24$$

$$1031. [3, 7, 8, 10]$$

无解

$$1032. [3, 7, 8, 11]$$

$$1. (((3*7)+11)-8) = 24$$

$$2. (((3*7)-8)+11) = 24$$

$$3. (11-(8-(3*7))) = 24$$

$$4. ((3*7)+(11-8)) = 24$$

$$5. ((3*7)-(8-11)) = 24$$

$$6. (((8-3)*7)-11) = 24$$

$$7. (3-(7*(8-11))) = 24$$

$$8. (3+(7*(11-8))) = 24$$

$$1033. [3, 7, 8, 12]$$

$$1. (((3+7)-8)*12) = 24$$

$$2. (8-((3-7)-12)) = 24$$

$$3. ((12-(3-7))+8) = 24$$

$$4. (12-((3-7)-8)) = 24$$

$$5. ((8-(3-7))+12) = 24$$

$$6. ((12+8)-(3-7)) = 24$$

$$7. (((7-3)+12)+8) = 24$$

$$8. (8/((7-3)/12)) = 24$$

$$9. ((12/(7-3))*8) = 24$$

$$10. (((7-3)+8)+12) = 24$$

$$11. (12/(((7-3)/8))) = 24$$

$$12. ((8/(7-3))*12) = 24$$

$$13. ((7-3)+(12+8)) = 24$$

$$14. ((12*8)/(7-3)) = 24$$

$$15. (((3-8)+7)*12) = 24$$

$$16. (12-((3-8)-7)) = 24$$

$$17. ((7-(3-8))+12) = 24$$

$$18. (7-((3-8)-12)) = 24$$

$$19. ((12-(3-8))+7) = 24$$

$$20. ((7+12)-(3-8)) = 24$$

$$21. (((8-3)+7)+12) = 24$$

$$22. ((7-(8-3))*12) = 24$$

$$23. (((8-3)+12)+7) = 24$$

$$24. ((8-3)+(7+12)) = 24$$

$$25. (8-((3-12)-7)) = 24$$

$$26. ((7-(3-12))+8) = 24$$

$$27. (7-((3-12)-8)) = 24$$

$$28. ((8-(3-12))+7) = 24$$

$$29. ((7+8)-(3-12)) = 24$$

$$30. (((12-3)+7)+8) = 24$$

$$31. (((12-3)+8)+7) = 24$$

$$32. ((12-3)+(7+8)) = 24$$

$$33. ((7-(12/3))*8) = 24$$

$$34. (12-(3-(7+8))) = 24$$

$$35. (((7+8)-3)+12) = 24$$

$$36. (((7+8)+12)-3) = 24$$

$$37. ((3+(7-8))*12) = 24$$

$$38. ((3-(8-7))*12) = 24$$

$$39. (8-(3-(7+12))) = 24$$

$$40. (((7+12)-3)+8) = 24$$

$$41. (((7+12)+8)-3) = 24$$

$$42. ((8+12)-(3-7)) = 24$$

$$43. ((7-3)+(8+12)) = 24$$

$$44. (7-(3-(8+12))) = 24$$

$$45. (((8+12)-3)+7) = 24$$

$$46. ((7+(8+12))-3) = 24$$

$$47. ((8*12)/(7-3)) = 24$$

$$1034. [3, 7, 8, 13]$$

$$1. ((13-(3+7))*8) = 24$$

$$\begin{aligned} 2. & (((13-3)-7)*8) = 24 \\ 3. & (((3*13)-7)-8) = 24 \\ 4. & (((3*13)-8)-7) = 24 \\ 5. & ((3*13)-(7+8)) = 24 \\ 6. & (((13-7)-3)*8) = 24 \end{aligned}$$

$$1035. [3, 7, 9, 9]$$

$$\begin{aligned} 1. & ((3+9)*(9-7)) = 24 \\ 2. & (((7*9)+9)/3) = 24 \\ 3. & (3*(7+(9/9))) = 24 \end{aligned}$$

$$1036. [3, 7, 9, 10]$$

$$\begin{aligned} 1. & (((3*9)+7)-10) = 24 \\ 2. & (((3*9)-10)+7) = 24 \\ 3. & (7-(10-(3*9))) = 24 \\ 4. & ((3*9)+(7-10)) = 24 \\ 5. & ((3*9)-(10-7)) = 24 \\ 6. & (3*((7-9)+10)) = 24 \\ 7. & (3*(10-(9-7))) = 24 \\ 8. & (3*((7+10)-9)) = 24 \\ 9. & (((10-7)*9)-3) = 24 \\ 10. & (3*(7-(9-10))) = 24 \\ 11. & (3*(7+(10-9))) = 24 \end{aligned}$$

$$1037. [3, 7, 9, 11]$$

$$\begin{aligned} 1. & (9-((3-7)-11)) = 24 \\ 2. & ((11-(3-7))+9) = 24 \\ 3. & (11-((3-7)-9)) = 24 \\ 4. & ((9-(3-7))+11) = 24 \\ 5. & ((11+9)-(3-7)) = 24 \\ 6. & (((7-3)+11)+9) = 24 \\ 7. & (((7-3)+9)+11) = 24 \\ 8. & ((7-3)+(11+9)) = 24 \\ 9. & (11-((3-9)-7)) = 24 \\ 10. & ((7-(3-9))+11) = 24 \\ 11. & (7-((3-9)-11)) = 24 \\ 12. & ((11-(3-9))+7) = 24 \\ 13. & ((7+11)-(3-9)) = 24 \\ 14. & ((3-9)*(7-11)) = 24 \\ 15. & (((9-3)+7)+11) = 24 \\ 16. & (((9-3)+11)+7) = 24 \\ 17. & ((9-3)+(7+11)) = 24 \\ 18. & ((9-3)*(11-7)) = 24 \\ 19. & (9-((3-11)-7)) = 24 \\ 20. & ((7-(3-11))+9) = 24 \\ 21. & (7-((3-11)-9)) = 24 \\ 22. & ((9-(3-11))+7) = 24 \\ 23. & ((7+9)-(3-11)) = 24 \\ 24. & (((11-3)+7)+9) = 24 \end{aligned}$$

$$\begin{aligned} 25. & (((11-3)+9)+7) = 24 \\ 26. & ((11-3)+(7+9)) = 24 \\ 27. & (11-(3-(7+9))) = 24 \\ 28. & (((7+9)-3)+11) = 24 \\ 29. & (((7+9)+11)-3) = 24 \\ 30. & (9-(3-(7+11))) = 24 \\ 31. & (((7+11)-3)+9) = 24 \\ 32. & (((7+11)+9)-3) = 24 \\ 33. & ((9+11)-(3-7)) = 24 \\ 34. & ((7-3)+(9+11)) = 24 \\ 35. & (7-(3-(9+11))) = 24 \\ 36. & (((9+11)-3)+7) = 24 \\ 37. & ((7+(9+11))-3) = 24 \end{aligned}$$

$$1038. [3, 7, 9, 12]$$

$$\begin{aligned} 1. & (((7-3)*9)-12) = 24 \\ 2. & (((3*7)+12)-9) = 24 \\ 3. & (((3*7)-9)+12) = 24 \\ 4. & (12-(9-(3*7))) = 24 \\ 5. & ((3*7)+(12-9)) = 24 \\ 6. & ((3*7)-(9-12)) = 24 \\ 7. & (9-(3*(7-12))) = 24 \\ 8. & ((3*(12-7))+9) = 24 \\ 9. & (3-(7*(9-12))) = 24 \\ 10. & (3+(7*(12-9))) = 24 \end{aligned}$$

$$1039. [3, 7, 9, 13]$$

$$\begin{aligned} 1. & ((7*9)-(3*13)) = 24 \\ 2. & ((7-(13/3))*9) = 24 \end{aligned}$$

$$1040. [3, 7, 10, 10]$$

$$\begin{aligned} 1. & (10-((3-7)-10)) = 24 \\ 2. & ((10-(3-7))+10) = 24 \\ 3. & ((10+10)-(3-7)) = 24 \\ 4. & (((7-3)+10)+10) = 24 \\ 5. & ((7-3)+(10+10)) = 24 \\ 6. & (10-((3-10)-7)) = 24 \\ 7. & ((7-(3-10))+10) = 24 \\ 8. & (7-((3-10)-10)) = 24 \\ 9. & ((10-(3-10))+7) = 24 \\ 10. & ((7+10)-(3-10)) = 24 \\ 11. & (((10-3)+7)+10) = 24 \\ 12. & (((10-3)+10)+7) = 24 \\ 13. & ((10-3)+(7+10)) = 24 \\ 14. & (10-(3-(7+10))) = 24 \\ 15. & (((7+10)-3)+10) = 24 \\ 16. & (((7+10)+10)-3) = 24 \\ 17. & (7-(3-(10+10))) = 24 \\ 18. & (((10+10)-3)+7) = 24 \end{aligned}$$

$$\begin{aligned} 19. & ((7+(10+10))-3) = 24 \\ 20. & (3*(7+(10/10))) = 24 \end{aligned}$$

$$1041. [3, 7, 10, 11]$$

$$\begin{aligned} 1. & ((3-11)*(7-10)) = 24 \\ 2. & ((11-3)*(10-7)) = 24 \\ 3. & (3*((7-10)+11)) = 24 \\ 4. & (3*(11-(10-7))) = 24 \\ 5. & (3*((7+11)-10)) = 24 \\ 6. & (3*(7-(10-11))) = 24 \\ 7. & (3*(7+(11-10))) = 24 \end{aligned}$$

$$1042. [3, 7, 10, 12]$$

无解

$$1043. [3, 7, 10, 13]$$

$$\begin{aligned} 1. & (((3*7)+13)-10) = 24 \\ 2. & (((3*7)-10)+13) = 24 \\ 3. & (13-(10-(3*7))) = 24 \\ 4. & ((3*7)+(13-10)) = 24 \\ 5. & ((3*7)-(10-13)) = 24 \\ 6. & (((3*10)+7)-13) = 24 \\ 7. & (((3*10)-13)+7) = 24 \\ 8. & (7-(13-(3*10))) = 24 \\ 9. & ((3*10)+(7-13)) = 24 \\ 10. & ((3*10)-(13-7)) = 24 \\ 11. & (3-(7*(10-13))) = 24 \\ 12. & (3+(7*(13-10))) = 24 \end{aligned}$$

$$1044. [3, 7, 11, 11]$$

$$1. (3*(7+(11/11))) = 24$$

$$1045. [3, 7, 11, 12]$$

$$\begin{aligned} 1. & (((3+11)/7)*12) = 24 \\ 2. & (12/(7/(3+11))) = 24 \\ 3. & (((3+11)*12)/7) = 24 \\ 4. & ((3+11)/(7/12)) = 24 \\ 5. & ((3+11)*(12/7)) = 24 \\ 6. & (12-(3*(7-11))) = 24 \\ 7. & (3*((7-11)+12)) = 24 \\ 8. & ((3*(11-7))+12) = 24 \\ 9. & (3*(12-(11-7))) = 24 \\ 10. & (3*((7+12)-11)) = 24 \\ 11. & (3*(7-(11-12))) = 24 \\ 12. & (3*(7+(12-11))) = 24 \end{aligned}$$

$$1046. [3, 7, 11, 13]$$

无解

$$1047. [3, 7, 12, 12]$$

$$\begin{aligned} 1. & ((12-(3+7))*12) = 24 \\ 2. & (((12-3)-7)*12) = 24 \\ 3. & (((12-7)-3)*12) = 24 \\ 4. & (((7*12)-12)/3) = 24 \\ 5. & (3*(7+(12/12))) = 24 \end{aligned}$$

$$1048. [3, 7, 12, 13]$$

$$\begin{aligned} 1. & ((13-7)/(3/12)) = 24 \\ 2. & (((12/3)+7)+13) = 24 \\ 3. & (((12/3)+13)+7) = 24 \\ 4. & ((12/3)+(7+13)) = 24 \\ 5. & ((12/3)*(13-7)) = 24 \\ 6. & (3*((7-12)+13)) = 24 \\ 7. & (3*(13-(12-7))) = 24 \\ 8. & (3*((7+13)-12)) = 24 \\ 9. & (12/(3/(13-7))) = 24 \\ 10. & (((13-7)/3)*12) = 24 \\ 11. & (((13-7)*12)/3) = 24 \\ 12. & (3*(7-(12-13))) = 24 \\ 13. & (3*(7+(13-12))) = 24 \end{aligned}$$

$$1049. [3, 7, 13, 13]$$

$$1. (3*(7+(13/13))) = 24$$

$$1050. [3, 8, 8, 8]$$

$$\begin{aligned} 1. & (((3+8)-8)*8) = 24 \\ 2. & (((3-8)+8)*8) = 24 \\ 3. & ((8-(8-3))*8) = 24 \\ 4. & (((3*8)+8)-8) = 24 \\ 5. & (((3*8)-8)+8) = 24 \\ 6. & (8-(8-(3*8))) = 24 \\ 7. & (((3*8)*8)/8) = 24 \\ 8. & (((3*8)/8)*8) = 24 \\ 9. & (8/(8/(3*8))) = 24 \\ 10. & ((3*8)+(8-8)) = 24 \\ 11. & ((3*8)-(8-8)) = 24 \\ 12. & ((3*8)*(8/8)) = 24 \\ 13. & ((3*8)/(8/8)) = 24 \\ 14. & (((3/8)*8)*8) = 24 \\ 15. & ((3/8)*(8*8)) = 24 \\ 16. & (8/((8/3)/8)) = 24 \\ 17. & ((8/(8/3))*8) = 24 \\ 18. & ((8*8)/(8/3)) = 24 \\ 19. & (3*((8+8)-8)) = 24 \\ 20. & ((3+(8-8))*8) = 24 \\ 21. & ((3-(8-8))*8) = 24 \\ 22. & (3*((8-8)+8)) = 24 \\ 23. & (3*(8-(8-8))) = 24 \end{aligned}$$

$$\begin{aligned}
24. & ((3*(8*8))/8) = 24 \\
25. & (((8*8)+8)/3) = 24 \\
26. & (3*((8*8)/8)) = 24 \\
27. & (3/(8/(8*8))) = 24 \\
28. & ((3*(8/8))*8) = 24 \\
29. & ((3/(8/8))*8) = 24 \\
30. & (8/((8/8)/3)) = 24 \\
31. & (3*((8/8)*8)) = 24 \\
32. & (3/((8/8)/8)) = 24 \\
33. & (3*(8/(8/8))) = 24 \\
34. & (3*(8+(8-8))) = 24 \\
35. & ((8+(8*8))/3) = 24 \\
36. & (3*(8*(8/8))) = 24
\end{aligned}$$

1051. [3, 8, 8, 9]

$$\begin{aligned}
1. & ((3*8)*(9-8)) = 24 \\
2. & ((3*8)/(9-8)) = 24 \\
3. & (3*(9-(8/8))) = 24 \\
4. & ((3*(9-8))*8) = 24 \\
5. & ((3/(9-8))*8) = 24 \\
6. & (8/((9-8)/3)) = 24 \\
7. & (3*((9-8)*8)) = 24 \\
8. & (3/((9-8)/8)) = 24 \\
9. & (3*(8/(9-8))) = 24 \\
10. & (3*(8*(9-8))) = 24
\end{aligned}$$

1052. [3, 8, 8, 10]

$$1. (((8*10)-8)/3) = 24$$

1053. [3, 8, 8, 11]

$$\begin{aligned}
1. & (8-((3-8)-11)) = 24 \\
2. & ((11-(3-8))+8) = 24 \\
3. & (11-((3-8)-8)) = 24 \\
4. & ((8-(3-8))+11) = 24 \\
5. & ((11+8)-(3-8)) = 24 \\
6. & (((8-3)+11)+8) = 24 \\
7. & (((8-3)+8)+11) = 24 \\
8. & ((8-3)+(11+8)) = 24 \\
9. & ((8+11)-(3-8)) = 24 \\
10. & ((8-3)+(8+11)) = 24 \\
11. & (8-((3-11)-8)) = 24 \\
12. & ((8-(3-11))+8) = 24 \\
13. & ((8+8)-(3-11)) = 24 \\
14. & (((11-3)+8)+8) = 24 \\
15. & ((11-3)+(8+8)) = 24 \\
16. & (11-(3-(8+8))) = 24 \\
17. & (((8+8)-3)+11) = 24 \\
18. & (((8+8)+11)-3) = 24 \\
19. & (8-(3-(8+11))) = 24
\end{aligned}$$

$$\begin{aligned}
20. & (((8+11)-3)+8) = 24 \\
21. & (((8+11)+8)-3) = 24 \\
22. & ((8+(8+11))-3) = 24
\end{aligned}$$

1054. [3, 8, 8, 12]

$$\begin{aligned}
1. & ((12/(3/8))-8) = 24 \\
2. & (((8/3)*12)-8) = 24 \\
3. & ((8/(3/12))-8) = 24 \\
4. & (((12/3)*8)-8) = 24 \\
5. & ((3-(8/8))*12) = 24 \\
6. & (((8*12)/3)-8) = 24
\end{aligned}$$

1055. [3, 8, 8, 13]

无解

1056. [3, 8, 9, 9]

$$\begin{aligned}
1. & (((3*8)+9)-9) = 24 \\
2. & (((3*8)-9)+9) = 24 \\
3. & (9-(9-(3*8))) = 24 \\
4. & (((3*8)*9)/9) = 24 \\
5. & (((3*8)/9)*9) = 24 \\
6. & (9/(9/(3*8))) = 24 \\
7. & ((3*8)+(9-9)) = 24 \\
8. & ((3*8)-(9-9)) = 24 \\
9. & ((3*8)*(9/9)) = 24 \\
10. & ((3*8)/(9/9)) = 24 \\
11. & (((3+9)-9)*8) = 24 \\
12. & (((3-9)+9)*8) = 24 \\
13. & ((9-(9-3))*8) = 24 \\
14. & (((3*9)*8)/9) = 24 \\
15. & (((3*9)/9)*8) = 24 \\
16. & (8/(9/(3*9))) = 24 \\
17. & ((3*9)*(8/9)) = 24 \\
18. & ((3*9)/(9/8)) = 24 \\
19. & (((3/9)*8)*9) = 24 \\
20. & (((3/9)*9)*8) = 24 \\
21. & ((3/9)*(8*9)) = 24 \\
22. & (9/((9/3)/8)) = 24 \\
23. & ((8/(9/3))*9) = 24 \\
24. & (8/((9/3)/9)) = 24 \\
25. & ((9/(9/3))*8) = 24 \\
26. & ((8*9)/(9/3)) = 24 \\
27. & (3*((8+9)-9)) = 24 \\
28. & (3*((8-9)+9)) = 24 \\
29. & (3*(9-(9-8))) = 24 \\
30. & ((3*(8*9))/9) = 24 \\
31. & (3*((8*9)/9)) = 24 \\
32. & (3/(9/(8*9))) = 24 \\
33. & ((3*(8/9))*9) = 24
\end{aligned}$$

$$\begin{aligned}
34. & (3*((8/9)*9)) = 24 \\
35. & ((3/(9/8))*9) = 24 \\
36. & (9/((9/8)/3)) = 24 \\
37. & (3/((9/8)/9)) = 24 \\
38. & (3*(9/(9/8))) = 24 \\
39. & ((3+(9-9))*8) = 24 \\
40. & ((3-(9-9))*8) = 24 \\
41. & (3*(8+(9-9))) = 24 \\
42. & (3*(8-(9-9))) = 24 \\
43. & ((3*(9/9))*8) = 24 \\
44. & ((3/(9/9))*8) = 24 \\
45. & (8/((9/9)/3)) = 24 \\
46. & (3*(8*(9/9))) = 24 \\
47. & (3*(8/(9/9))) = 24 \\
48. & (3/((9/9)/8)) = 24
\end{aligned}$$

1057. [3, 8, 9, 10]

$$\begin{aligned}
1. & (9-((3-8)-10)) = 24 \\
2. & ((10-(3-8))+9) = 24 \\
3. & (10-((3-8)-9)) = 24 \\
4. & ((9-(3-8))+10) = 24 \\
5. & ((10+9)-(3-8)) = 24 \\
6. & (((8-3)+10)+9) = 24 \\
7. & (((8-3)+9)+10) = 24 \\
8. & ((8-3)+(10+9)) = 24 \\
9. & ((3*8)*(10-9)) = 24 \\
10. & ((3*8)/(10-9)) = 24 \\
11. & ((3+9)*(10-8)) = 24 \\
12. & (10-((3-9)-8)) = 24 \\
13. & ((8-(3-9))+10) = 24 \\
14. & (8-((3-9)-10)) = 24 \\
15. & ((10-(3-9))+8) = 24 \\
16. & ((8+10)-(3-9)) = 24 \\
17. & (((9-3)+8)+10) = 24 \\
18. & (((9-3)+10)+8) = 24 \\
19. & ((9-3)+(8+10)) = 24 \\
20. & (9-((3-10)-8)) = 24 \\
21. & ((8-(3-10))+9) = 24 \\
22. & (8-((3-10)-9)) = 24 \\
23. & ((9-(3-10))+8) = 24 \\
24. & ((8+9)-(3-10)) = 24 \\
25. & (((10-3)+8)+9) = 24 \\
26. & (((10-3)+9)+8) = 24 \\
27. & ((10-3)+(8+9)) = 24 \\
28. & (10-(3-(8+9))) = 24 \\
29. & (((8+9)-3)+10) = 24 \\
30. & (((8+9)+10)-3) = 24 \\
31. & (9-(3-(8+10))) = 24 \\
32. & (((8+10)-3)+9) = 24
\end{aligned}$$

$$\begin{aligned}
33. & (((8+10)+9)-3) = 24 \\
34. & ((9+10)-(3-8)) = 24 \\
35. & ((8-3)+(9+10)) = 24 \\
36. & (8-(3-(9+10))) = 24 \\
37. & (((9+10)-3)+8) = 24 \\
38. & ((8+(9+10))-3) = 24 \\
39. & ((3*(10-9))*8) = 24 \\
40. & ((3/(10-9))*8) = 24 \\
41. & (8/((10-9)/3)) = 24 \\
42. & (3*(8*(10-9))) = 24 \\
43. & (3*(8/(10-9))) = 24 \\
44. & (3/((10-9)/8)) = 24
\end{aligned}$$

1058. [3, 8, 9, 11]

$$\begin{aligned}
1. & (((3*9)+8)-11) = 24 \\
2. & (((3*9)-11)+8) = 24 \\
3. & (8-(11-(3*9))) = 24 \\
4. & ((3*9)+(8-11)) = 24 \\
5. & ((3*9)-(11-8)) = 24 \\
6. & (((11-8)*9)-3) = 24
\end{aligned}$$

1059. [3, 8, 9, 12]

$$\begin{aligned}
1. & (((3+8)-9)*12) = 24 \\
2. & (((3-9)+8)*12) = 24 \\
3. & ((3-9)*(8-12)) = 24 \\
4. & ((8-(9-3))*12) = 24 \\
5. & ((9-3)*(12-8)) = 24 \\
6. & ((3+(8-9))*12) = 24 \\
7. & ((3-(9-8))*12) = 24
\end{aligned}$$

1060. [3, 8, 9, 13]

$$\begin{aligned}
1. & (((9/3)+8)+13) = 24 \\
2. & (((9/3)+13)+8) = 24 \\
3. & ((9/3)+(8+13)) = 24 \\
4. & (9-(3*(8-13))) = 24 \\
5. & ((3*(13-8))+9) = 24
\end{aligned}$$

1061. [3, 8, 10, 10]

$$\begin{aligned}
1. & (((3*8)+10)-10) = 24 \\
2. & (((3*8)-10)+10) = 24 \\
3. & (10-(10-(3*8))) = 24 \\
4. & (((3*8)*10)/10) = 24 \\
5. & (((3*8)/10)*10) = 24 \\
6. & (10/(10/(3*8))) = 24 \\
7. & ((3*8)+(10-10)) = 24 \\
8. & ((3*8)-(10-10)) = 24 \\
9. & ((3*8)*(10/10)) = 24 \\
10. & ((3*8)/(10/10)) = 24 \\
11. & (((3+10)-10)*8) = 24
\end{aligned}$$

$$\begin{aligned}
12. & (((3-10)+10)*8) = 24 \\
13. & ((10-(10-3))*8) = 24 \\
14. & (((3*10)*8)/10) = 24 \\
15. & (((3*10)/10)*8) = 24 \\
16. & (8/(10/(3*10))) = 24 \\
17. & ((3*10)*(8/10)) = 24 \\
18. & ((3*10)/(10/8)) = 24 \\
19. & (((3/10)*8)*10) = 24 \\
20. & (((3/10)*10)*8) = 24 \\
21. & ((3/10)*(8*10)) = 24 \\
22. & (10/((10/3)/8)) = 24 \\
23. & ((8/(10/3))*10) = 24 \\
24. & (8/((10/3)/10)) = 24 \\
25. & ((10/(10/3))*8) = 24 \\
26. & ((8*10)/(10/3)) = 24 \\
27. & (3*((8+10)-10)) = 24 \\
28. & (3*((8-10)+10)) = 24 \\
29. & (3*(10-(10-8))) = 24 \\
30. & ((3*(8*10))/10) = 24 \\
31. & (3*((8*10)/10)) = 24 \\
32. & (3/(10/(8*10))) = 24 \\
33. & ((3*(8/10))*10) = 24 \\
34. & (3*((8/10)*10)) = 24 \\
35. & ((3/(10/8))*10) = 24 \\
36. & (10/((10/8)/3)) = 24 \\
37. & (3/((10/8)/10)) = 24 \\
38. & (3*(10/(10/8))) = 24 \\
39. & ((3+(10-10))*8) = 24 \\
40. & ((3-(10-10))*8) = 24 \\
41. & (3*(8+(10-10))) = 24 \\
42. & (3*(8-(10-10))) = 24 \\
43. & ((3*(10/10))*8) = 24 \\
44. & ((3/(10/10))*8) = 24 \\
45. & (8/((10/10)/3)) = 24 \\
46. & (3*(8*(10/10))) = 24 \\
47. & (3*(8/(10/10))) = 24 \\
48. & (3/((10/10)/8)) = 24
\end{aligned}$$

1062. [3, 8, 10, 11]

$$\begin{aligned}
1. & ((3*8)*(11-10)) = 24 \\
2. & ((3*8)/(11-10)) = 24 \\
3. & ((3*(11-10))*8) = 24 \\
4. & ((3/(11-10))*8) = 24 \\
5. & (8/((11-10)/3)) = 24 \\
6. & (3*(8*(11-10))) = 24 \\
7. & (3*(8/(11-10))) = 24 \\
8. & (3/((11-10)/8)) = 24
\end{aligned}$$

1063. [3, 8, 10, 12]

$$\begin{aligned}
1. & (10/((8-3)/12)) = 24 \\
2. & ((12/(8-3))*10) = 24 \\
3. & (12/((8-3)/10)) = 24 \\
4. & ((10/(8-3))*12) = 24 \\
5. & ((12*10)/(8-3)) = 24 \\
6. & ((10*12)/(8-3)) = 24
\end{aligned}$$

1064. [3, 8, 10, 13]

无解

1065. [3, 8, 11, 11]

$$\begin{aligned}
1. & (((3*8)+11)-11) = 24 \\
2. & (((3*8)-11)+11) = 24 \\
3. & (11-(11-(3*8))) = 24 \\
4. & (((3*8)*11)/11) = 24 \\
5. & (((3*8)/11)*11) = 24 \\
6. & (11/(11/(3*8))) = 24 \\
7. & ((3*8)+(11-11)) = 24 \\
8. & ((3*8)-(11-11)) = 24 \\
9. & ((3*8)*(11/11)) = 24 \\
10. & ((3*8)/(11/11)) = 24 \\
11. & (((3+11)-11)*8) = 24 \\
12. & (((3-11)+11)*8) = 24 \\
13. & ((3-11)*(8-11)) = 24 \\
14. & ((11-(11-3))*8) = 24 \\
15. & ((11-3)*(11-8)) = 24 \\
16. & (((3*11)*8)/11) = 24 \\
17. & (((3*11)/11)*8) = 24 \\
18. & (8/(11/(3*11))) = 24 \\
19. & ((3*11)*(8/11)) = 24 \\
20. & ((3*11)/(11/8)) = 24 \\
21. & (((3/11)*8)*11) = 24 \\
22. & (((3/11)*11)*8) = 24 \\
23. & ((3/11)*(8*11)) = 24 \\
24. & (11/((11/3)/8)) = 24 \\
25. & ((8/(11/3))*11) = 24 \\
26. & (8/((11/3)/11)) = 24 \\
27. & ((11/(11/3))*8) = 24 \\
28. & ((8*11)/(11/3)) = 24 \\
29. & (3*((8+11)-11)) = 24 \\
30. & (3*((8-11)+11)) = 24 \\
31. & (3*(11-(11-8))) = 24 \\
32. & ((3*(8*11))/11) = 24 \\
33. & (3*((8*11)/11)) = 24 \\
34. & (3/(11/(8*11))) = 24 \\
35. & ((3*(8/11))*11) = 24 \\
36. & (3*((8/11)*11)) = 24 \\
37. & ((3/(11/8))*11) = 24 \\
38. & (11/((11/8)/3)) = 24
\end{aligned}$$

$$\begin{aligned}
39. & (3/((11/8)/11)) = 24 \\
40. & (3*(11/(11/8))) = 24 \\
41. & ((3+(11-11))*8) = 24 \\
42. & ((3-(11-11))*8) = 24 \\
43. & (3*(8+(11-11))) = 24 \\
44. & (3*(8-(11-11))) = 24 \\
45. & ((3*(11/11))*8) = 24 \\
46. & ((3/(11/11))*8) = 24 \\
47. & (8/((11/11)/3)) = 24 \\
48. & (3*(8*(11/11))) = 24 \\
49. & (3*(8/(11/11))) = 24 \\
50. & (3/((11/11)/8)) = 24
\end{aligned}$$

1066. [3, 8, 11, 12]

$$\begin{aligned}
1. & ((3*8)*(12-11)) = 24 \\
2. & ((3*8)/(12-11)) = 24 \\
3. & ((3*(12-11))*8) = 24 \\
4. & ((3/(12-11))*8) = 24 \\
5. & (8/((12-11)/3)) = 24 \\
6. & (3*(8*(12-11))) = 24 \\
7. & (3*(8/(12-11))) = 24 \\
8. & (3/((12-11)/8)) = 24
\end{aligned}$$

1067. [3, 8, 11, 13]

无解

1068. [3, 8, 12, 12]

$$\begin{aligned}
1. & (((3*8)+12)-12) = 24 \\
2. & (((3*8)-12)+12) = 24 \\
3. & (12-(12-(3*8))) = 24 \\
4. & (((3*8)*12)/12) = 24 \\
5. & (((3*8)/12)*12) = 24 \\
6. & (12/(12/(3*8))) = 24 \\
7. & ((3*8)+(12-12)) = 24 \\
8. & ((3*8)-(12-12)) = 24 \\
9. & ((3*8)/(12/12)) = 24 \\
10. & ((3*8)/(12/12)) = 24 \\
11. & (((3+12)-12)*8) = 24 \\
12. & (((3-12)+12)*8) = 24 \\
13. & ((12-(12-3))*8) = 24 \\
14. & (((3*12)*8)/12) = 24 \\
15. & (((3*12)/12)*8) = 24 \\
16. & (8/(12/(3*12))) = 24 \\
17. & ((3*12)*(8/12)) = 24 \\
18. & ((3*12)/(12/8)) = 24 \\
19. & (((3/12)*8)*12) = 24 \\
20. & (((3/12)*12)*8) = 24 \\
21. & ((3/12)*(8*12)) = 24 \\
22. & (((12/3)+8)+12) = 24
\end{aligned}$$

$$\begin{aligned}
23. & (12/((12/3)/8)) = 24 \\
24. & ((8/(12/3))*12) = 24 \\
25. & (((12/3)+12)+8) = 24 \\
26. & (8/((12/3)/12)) = 24 \\
27. & ((12/(12/3))*8) = 24 \\
28. & ((12/3)+(8+12)) = 24 \\
29. & ((8*12)/(12/3)) = 24 \\
30. & (3*((8+12)-12)) = 24 \\
31. & (12-(3*(8-12))) = 24 \\
32. & (3*((8-12)+12)) = 24 \\
33. & ((3*(12-8))+12) = 24 \\
34. & (3*(12-(12-8))) = 24 \\
35. & ((3*(8*12))/12) = 24 \\
36. & (3*((8*12)/12)) = 24 \\
37. & (3/(12/(8*12))) = 24 \\
38. & ((3*(8/12))*12) = 24 \\
39. & (3*((8/12)*12)) = 24 \\
40. & ((3/(12/8))*12) = 24 \\
41. & (12/((12/8)/3)) = 24 \\
42. & (3/((12/8)/12)) = 24 \\
43. & (3*(12/(12/8))) = 24 \\
44. & ((3+(12-12))*8) = 24 \\
45. & ((3-(12-12))*8) = 24 \\
46. & (3*(8+(12-12))) = 24 \\
47. & (3*(8-(12-12))) = 24 \\
48. & ((3*(12/12))*8) = 24 \\
49. & ((3/(12/12))*8) = 24 \\
50. & (8/((12/12)/3)) = 24 \\
51. & (3*(8*(12/12))) = 24 \\
52. & (3*(8/(12/12))) = 24 \\
53. & (3/((12/12)/8)) = 24
\end{aligned}$$

1069. [3, 8, 12, 13]

$$\begin{aligned}
1. & ((13-(3+8))*12) = 24 \\
2. & ((3*8)*(13-12)) = 24 \\
3. & ((3*8)/(13-12)) = 24 \\
4. & (((3+13)/8)*12) = 24 \\
5. & (12/(8/(3+13))) = 24 \\
6. & (((3+13)*12)/8) = 24 \\
7. & ((3+13)/(8/12)) = 24 \\
8. & ((3+13)*(12/8)) = 24 \\
9. & (((13-3)-8)*12) = 24 \\
10. & (((13-8)-3)*12) = 24 \\
11. & ((3*(13-12))*8) = 24 \\
12. & ((3/(13-12))*8) = 24 \\
13. & (8/((13-12)/3)) = 24 \\
14. & (3*(8*(13-12))) = 24 \\
15. & (3*(8/(13-12))) = 24 \\
16. & (3/((13-12)/8)) = 24
\end{aligned}$$

1070. [3, 8, 13, 13]

1. $((3*8)+13)-13 = 24$
2. $((3*8)-13)+13 = 24$
3. $(13-(13-(3*8))) = 24$
4. $((3*8)*13)/13 = 24$
5. $((3*8)/13)*13 = 24$
6. $(13/(13/(3*8))) = 24$
7. $((3*8)+(13-13)) = 24$
8. $((3*8)-(13-13)) = 24$
9. $((3*8)*(13/13)) = 24$
10. $((3*8)/(13/13)) = 24$
11. $((3+13)-13)*8 = 24$
12. $((3-13)+13)*8 = 24$
13. $((13-(13-3))*8 = 24$
14. $((3*13)*8)/13 = 24$
15. $((3*13)/13)*8 = 24$
16. $(8/(13/(3*13))) = 24$
17. $((3*13)*(8/13)) = 24$
18. $((3*13)/(13/8)) = 24$
19. $((3/13)*8)*13 = 24$
20. $((3/13)*13)*8 = 24$
21. $((3/13)*(8*13)) = 24$
22. $(13/((13/3)/8)) = 24$
23. $((8/(13/3))*13 = 24$
24. $(8/((13/3)/13)) = 24$
25. $((13/(13/3))*8 = 24$
26. $((8*13)/(13/3)) = 24$
27. $(3*((8+13)-13)) = 24$
28. $(3*((8-13)+13)) = 24$
29. $(3*(13-(13-8))) = 24$
30. $((3*(8*13))/13) = 24$
31. $(3*((8*13)/13)) = 24$
32. $(3/(13/(8*13))) = 24$
33. $((3*(8/13))*13) = 24$
34. $(3*((8/13)*13)) = 24$
35. $((3/(13/8))*13) = 24$
36. $(13/((13/8)/3)) = 24$
37. $(3/((13/8)/13)) = 24$
38. $(3*(13/(13/8))) = 24$
39. $((3+(13-13))*8 = 24$
40. $((3-(13-13))*8 = 24$
41. $(3*(8+(13-13))) = 24$
42. $(3*(8-(13-13))) = 24$
43. $((3*(13/13))*8 = 24$
44. $((3/(13/13))*8 = 24$
45. $(8/((13/13)/3)) = 24$
46. $(3*(8*(13/13))) = 24$
47. $(3*(8/(13/13))) = 24$

48. $(3/((13/13)/8)) = 24$

1071. [3, 9, 9, 9]

1. $(9-((3-9)-9)) = 24$
2. $((9-(3-9))+9) = 24$
3. $((9+9)-(3-9)) = 24$
4. $((9-3)+9)+9 = 24$
5. $((9-3)+(9+9)) = 24$
6. $(9-(3-(9+9))) = 24$
7. $((9+9)-3)+9 = 24$
8. $((9+9)+9)-3 = 24$
9. $((9*9)-9)/3 = 24$
10. $(3*(9-(9/9))) = 24$
11. $((9+(9+9))-3) = 24$

1072. [3, 9, 9, 10]

1. $(3*((9+9)-10)) = 24$
2. $(3*((9-10)+9)) = 24$
3. $(3*(9-(10-9))) = 24$
4. $(3*(9+(9-10))) = 24$

1073. [3, 9, 9, 11]

1. $((3+9)*(11-9)) = 24$
2. $((11/(3/9))-9) = 24$
3. $((9/3)*11)-9 = 24$
4. $((9/(3/11))-9) = 24$
5. $((11/3)*9)-9 = 24$
6. $((9*11)/3)-9 = 24$

1074. [3, 9, 9, 12]

1. $((3*9)-12)+9 = 24$
2. $(9-(12-(3*9))) = 24$
3. $((3*9)+9)-12 = 24$
4. $((3*9)-(12-9)) = 24$
5. $((3*9)+(9-12)) = 24$
6. $((9/3)+12)+9 = 24$
7. $((9/3)+9)+12 = 24$
8. $((9/3)+(12+9)) = 24$
9. $((9/3)+(9+12)) = 24$
10. $((3-(9/9))*12) = 24$
11. $((12-9)*9)-3 = 24$
12. $((9*(12-9))-3) = 24$

1075. [3, 9, 9, 13]

1. $((3-9)*(9-13)) = 24$
2. $((9-3)*(13-9)) = 24$

1076. [3, 9, 10, 10]

1. $(3*(9-(10/10))) = 24$

1077. [3, 9, 10, 11]

1. $((9/3)+11)+10 = 24$
2. $((9/3)+10)+11 = 24$
3. $((9/3)+(11+10)) = 24$
4. $(3*((9+10)-11)) = 24$
5. $(3*((9-11)+10)) = 24$
6. $(3*(10-(11-9))) = 24$
7. $((9/3)+(10+11)) = 24$
8. $(3*(9+(10-11))) = 24$
9. $(3*(9-(11-10))) = 24$

1078. [3, 9, 10, 12]

1. $((3+9)-10)*12 = 24$
2. $((3+9)*(12-10)) = 24$
3. $((3-10)+9)*12 = 24$
4. $((9-(10-3))*12 = 24$
5. $((3+(9-10))*12 = 24$
6. $((3-(10-9))*12 = 24$

1079. [3, 9, 10, 13]

1. $((3*9)-13)+10 = 24$
2. $(10-(13-(3*9))) = 24$
3. $((3*9)+10)-13 = 24$
4. $((3*9)-(13-10)) = 24$
5. $((3*9)+(10-13)) = 24$
6. $((9*(13-10))-3) = 24$

1080. [3, 9, 11, 11]

1. $((3-(9/11))*11) = 24$
2. $(3*(9-(11/11))) = 24$

1081. [3, 9, 11, 12]

1. $((3-11)*(9-12)) = 24$
2. $((11-3)*(12-9)) = 24$
3. $((12/3)+9)+11 = 24$
4. $((12/3)+11)+9 = 24$
5. $((12/3)+(9+11)) = 24$
6. $(3*((9+11)-12)) = 24$
7. $(3*((9-12)+11)) = 24$
8. $(3*(11-(12-9))) = 24$
9. $(3*(9+(11-12))) = 24$
10. $(3*(9-(12-11))) = 24$

1082. [3, 9, 11, 13]

1. $((3+9)*(13-11)) = 24$

1083. [3, 9, 12, 12]

1. $(12/((9-3)/12)) = 24$

2. $((12/(9-3))*12) = 24$

3. $((12*12)/(9-3)) = 24$
4. $((12/(3/9))-12) = 24$
5. $((9/3)*12)-12 = 24$
6. $((9/(3/12))-12) = 24$
7. $((12/3)*9)-12 = 24$
8. $((9*12)/3)-12 = 24$
9. $(3*(9-(12/12))) = 24$

1084. [3, 9, 12, 13]

1. $(3*((9+12)-13)) = 24$
2. $(12-(3*(9-13))) = 24$
3. $(3*((9-13)+12)) = 24$
4. $((3*(13-9))+12) = 24$
5. $(3*(12-(13-9))) = 24$
6. $(3*(9+(12-13))) = 24$
7. $(3*(9-(13-12))) = 24$

1085. [3, 9, 13, 13]

1. $(3*(9-(13/13))) = 24$

1086. [3, 10, 10, 10]

无解

1087. [3, 10, 10, 11]

无解

1088. [3, 10, 10, 12]

1. $((12/3)+10)+10 = 24$
2. $((12/3)+(10+10)) = 24$
3. $(3*((10+10)-12)) = 24$
4. $((3-(10/10))*12) = 24$
5. $(3*((10-12)+10)) = 24$
6. $(3*(10-(12-10))) = 24$
7. $(3*(10+(10-12))) = 24$

1089. [3, 10, 10, 13]

无解

1090. [3, 10, 11, 11]

无解

1091. [3, 10, 11, 12]

1. $((3+10)-11)*12 = 24$
2. $((3-11)+10)*12 = 24$
3. $((10-(11-3))*12) = 24$
4. $((3+(10-11))*12) = 24$
5. $((3-(11-10))*12) = 24$

1092. [3, 10, 11, 13]

1. $((3-11)*(10-13)) = 24$
2. $((11-3)*(13-10)) = 24$
3. $(3*((10+11)-13)) = 24$
4. $(3*((10-13)+11)) = 24$
5. $(3*(11-(13-10))) = 24$
6. $(3*(10+(11-13))) = 24$
7. $(3*(10-(13-11))) = 24$

1093. [3, 10, 12, 12]

无解

1094. [3, 10, 12, 13]

无解

1095. [3, 10, 13, 13]

无解

1096. [3, 11, 11, 11]

无解

1097. [3, 11, 11, 12]

1. $((3-(11/11))*12) = 24$

1098. [3, 11, 11, 13]

无解

1099. [3, 11, 12, 12]

1. $((3+(11)-12)*12) = 24$
2. $((3-(12)+11)*12) = 24$
3. $((11-(12-3))*12) = 24$
4. $((3+(11-12))*12) = 24$
5. $((3-(12-11))*12) = 24$

1100. [3, 11, 12, 13]

无解

1101. [3, 11, 13, 13]

无解

1102. [3, 12, 12, 12]

1. $((3-(12/12))*12) = 24$

1103. [3, 12, 12, 13]

1. $((3+(12)-13)*12) = 24$
2. $((3-(13)+12)*12) = 24$
3. $((12-(13-3))*12) = 24$
4. $((3+(12-13))*12) = 24$
5. $((3-(13-12))*12) = 24$

1104. [3, 12, 13, 13]

1. $((3-(13/13))*12) = 24$

1105. [3, 13, 13, 13]

无解

1106. [4, 4, 4, 4]

1. $((4+4)+(4*4)) = 24$
2. $((4*4)+4)+4 = 24$
3. $((4*4)+(4+4)) = 24$
4. $((4+(4*4))+4) = 24$
5. $(4+((4*4)+4)) = 24$
6. $(4+(4+(4*4))) = 24$

1107. [4, 4, 4, 5]

1. $((4/4)+5)*4 = 24$
2. $(4*((4/4)+5)) = 24$

1108. [4, 4, 4, 6]

1. $((4+4)-4)*6 = 24$
2. $((4-4)+6)*4 = 24$
3. $((6-(4-4))*4) = 24$
4. $((4-4)+4)*6 = 24$
5. $((4-(4-4))*6) = 24$
6. $((4-4)+(6*4)) = 24$
7. $((6*4)-(4-4)) = 24$
8. $((4*4)*6)/4 = 24$
9. $((4*4)/4)*6 = 24$
10. $(6/(4/(4*4))) = 24$
11. $((4*4)*(6/4)) = 24$
12. $((4*4)/(4/6)) = 24$
13. $((4/4)*6)*4 = 24$
14. $(4/((4/4)/6)) = 24$
15. $((6/(4/4))*4) = 24$
16. $((4/4)*4)*6 = 24$
17. $(6/((4/4)/4)) = 24$
18. $((4/(4/4))*6) = 24$
19. $((4/4)*(6*4)) = 24$
20. $((6*4)/(4/4)) = 24$
21. $((4-4)+(4*6)) = 24$
22. $((4*6)-(4-4)) = 24$
23. $((4/4)*(4*6)) = 24$
24. $((4*6)/(4/4)) = 24$
25. $((4+6)-4)*4 = 24$
26. $((4-(4-6))*4) = 24$
27. $((6-4)+4)*4 = 24$
28. $((4*6)+4)-4 = 24$
29. $((4*6)-4)+4 = 24$

30. $(4-(4-(4*6))) = 24$

31. $((4*6)*4)/4 = 24$
32. $((4*6)/4)*4 = 24$
33. $(4/(4/(4*6))) = 24$
34. $((4*6)+(4-4)) = 24$
35. $((4*6)*(4/4)) = 24$
36. $(4/((4/6)/4)) = 24$
37. $((4/(4/6))*4) = 24$
38. $((6/4)*4)*4 = 24$
39. $((6/4)*(4*4)) = 24$
40. $((4+(4-4))*6) = 24$
41. $(4*((4-4)+6)) = 24$
42. $(4*(6-(4-4))) = 24$
43. $((4*(4/4))*6) = 24$
44. $(4*((4/4)*6)) = 24$
45. $(4*(6/(4/4))) = 24$
46. $(4*((4+6)-4)) = 24$
47. $(4*(4-(4-6))) = 24$
48. $((4+(6-4))*4) = 24$
49. $(4*((6-4)+4)) = 24$
50. $((4+(4*6))-4) = 24$
51. $((4*(4*6))/4) = 24$
52. $(4+((4*6)-4)) = 24$
53. $(4*((4*6)/4)) = 24$
54. $(4*(4/(4/6))) = 24$
55. $((4*(6/4))*4) = 24$
56. $(4*((6/4)*4)) = 24$
57. $(4*(4+(6-4))) = 24$
58. $(4*(4*(6/4))) = 24$

1109. [4, 4, 4, 7]

1. $((4+4)*(7-4)) = 24$
2. $((7-(4/4))*4) = 24$
3. $((7-4)*(4+4)) = 24$
4. $(4*(7-(4/4))) = 24$

1110. [4, 4, 4, 8]

1. $((4+4)*4)-8 = 24$
2. $((8*4)-(4+4)) = 24$
3. $((4-(4/4))*8) = 24$
4. $((4*8)-(4+4)) = 24$
5. $((4*8)-4)-4 = 24$
6. $((8/4)+4)*4 = 24$
7. $((4*(4+4))-8) = 24$
8. $((4+(8/4))*4) = 24$
9. $(4*((8/4)+4)) = 24$
10. $(4*(4+(8/4))) = 24$

1111. [4, 4, 4, 9]

1. $(4-((4-9)*4)) = 24$

2. $((9-4)*4)+4 = 24$
3. $(4-(4*(4-9))) = 24$
4. $((4*(9-4))+4) = 24$
5. $(4+((9-4)*4)) = 24$
6. $(4+(4*(9-4))) = 24$

1112. [4, 4, 4, 10]

1. $((4*4)-10)*4 = 24$
2. $((10*4)-(4*4)) = 24$
3. $((4*10)-(4*4)) = 24$
4. $(4*((4*4)-10)) = 24$

1113. [4, 4, 4, 11]

1. $((11-4)*4)-4 = 24$
2. $((4*(11-4))-4) = 24$

1114. [4, 4, 4, 12]

1. $((4+4)+12)+4 = 24$
2. $((4+4)*12)/4 = 24$
3. $((4+4)+4)+12 = 24$
4. $((4+4)/4)*12 = 24$
5. $(12/(4/(4+4))) = 24$
6. $((4+4)+(12+4)) = 24$
7. $((4+4)*(12/4)) = 24$
8. $((4+4)/(4/12)) = 24$
9. $((4*4)+12)-4 = 24$
10. $((4*4)-4)+12 = 24$
11. $(12-(4-(4*4))) = 24$
12. $((4*4)+(12-4)) = 24$
13. $((4*4)-(4-12)) = 24$
14. $((4+4)+(4+12)) = 24$
15. $((4+12)+4)+4 = 24$
16. $((4+12)+(4+4)) = 24$
17. $((12-4)+(4*4)) = 24$
18. $((12/4)*(4+4)) = 24$
19. $((4+(4+4))+12) = 24$
20. $(4+((4+4)+12)) = 24$
21. $((4+(4+12))+4) = 24$
22. $(4+((4+12)+4)) = 24$
23. $(4+(4+(4+12))) = 24$

1115. [4, 4, 4, 13]

无解

1116. [4, 4, 5, 5]

1. $((5*5)-(4/4)) = 24$
2. $((5-(4-5))*4) = 24$
3. $((5-4)+5)*4 = 24$

$$\begin{aligned}
4. & (((4/5)+4)*5) = 24 \\
5. & (4*(5-(4-5))) = 24 \\
6. & (4*((5-4)+5)) = 24 \\
7. & ((4+(4/5))*5) = 24 \\
8. & (((5+5)-4)*4) = 24 \\
9. & (4*((5+5)-4)) = 24
\end{aligned}$$

1117. [4, 4, 5, 6]

$$\begin{aligned}
1. & (((5-(4/4))*6) = 24 \\
2. & (((5-4)*4)*6) = 24 \\
3. & (6/((5-4)/4)) = 24 \\
4. & ((4/(5-4))*6) = 24 \\
5. & (((5-4)*6)*4) = 24 \\
6. & (4/((5-4)/6)) = 24 \\
7. & ((6/(5-4))*4) = 24 \\
8. & ((5-4)*(4*6)) = 24 \\
9. & ((4*6)/(5-4)) = 24 \\
10. & ((4*6)*(5-4)) = 24 \\
11. & ((4*(5-4))*6) = 24 \\
12. & (4*((5-4)*6)) = 24 \\
13. & (4*(6/(5-4))) = 24
\end{aligned}$$

1118. [4, 4, 5, 7]

$$\begin{aligned}
1. & (((4-5)+7)*4) = 24 \\
2. & ((7-(5-4))*4) = 24 \\
3. & (((4+7)-5)*4) = 24 \\
4. & (4*((4-5)+7)) = 24 \\
5. & (4*(7-(5-4))) = 24 \\
6. & (4*((4+7)-5)) = 24 \\
7. & ((4-(5-7))*4) = 24 \\
8. & (4*(4-(5-7))) = 24 \\
9. & ((4+(7-5))*4) = 24 \\
10. & (4*(4+(7-5))) = 24
\end{aligned}$$

1119. [4, 4, 5, 8]

$$\begin{aligned}
1. & (((4+4)-5)*8) = 24 \\
2. & ((4+4)*(8-5)) = 24 \\
3. & ((8*5)-(4*4)) = 24 \\
4. & (((4-5)+4)*8) = 24 \\
5. & ((4-(5-4))*8) = 24 \\
6. & (((4*5)-4)+8) = 24 \\
7. & (8-(4-(4*5))) = 24 \\
8. & (((4*5)+8)-4) = 24 \\
9. & ((4*5)-(4-8)) = 24 \\
10. & ((4*5)+(8-4)) = 24 \\
11. & (4-((4-8)*5)) = 24 \\
12. & (((8-4)*5)+4) = 24 \\
13. & ((8-4)+(4*5)) = 24 \\
14. & ((4+(4-5))*8) = 24
\end{aligned}$$

$$\begin{aligned}
15. & (4+((8-4)*5)) = 24 \\
16. & ((5*8)-(4*4)) = 24
\end{aligned}$$

1120. [4, 4, 5, 9]

无解

1121. [4, 4, 5, 10]

$$\begin{aligned}
1. & (4-(4*(5-10))) = 24 \\
2. & ((4*(10-5))+4) = 24 \\
3. & (4+(4*(10-5))) = 24 \\
4. & ((4+(10/5))*4) = 24 \\
5. & (4*(4+(10/5))) = 24
\end{aligned}$$

1122. [4, 4, 5, 11]

$$\begin{aligned}
1. & (((4+4)+11)+5) = 24 \\
2. & (((4+4)+5)+11) = 24 \\
3. & ((4+4)+(11+5)) = 24 \\
4. & (((4+5)+4)+11) = 24 \\
5. & (((4+5)+11)+4) = 24 \\
6. & ((4+5)+(4+11)) = 24 \\
7. & ((4*11)-(4*5)) = 24 \\
8. & (((4+11)+4)+5) = 24 \\
9. & (((4+11)+5)+4) = 24 \\
10. & ((4+11)+(4+5)) = 24 \\
11. & ((4+(4+5))+11) = 24 \\
12. & (4+((4+5)+11)) = 24 \\
13. & ((4+(4+11))+5) = 24 \\
14. & (4+((4+11)+5)) = 24 \\
15. & ((4+4)+(5+11)) = 24 \\
16. & ((4+(5+11))+4) = 24 \\
17. & (4+(4+(5+11))) = 24
\end{aligned}$$

1123. [4, 4, 5, 12]

$$\begin{aligned}
1. & (((4+5)*4)-12) = 24 \\
2. & ((4*(4+5))-12) = 24 \\
3. & ((4*(12-5))-4) = 24
\end{aligned}$$

1124. [4, 4, 5, 13]

$$\begin{aligned}
1. & (((4*4)+13)-5) = 24 \\
2. & (((4*4)-5)+13) = 24 \\
3. & (13-(5-(4*4))) = 24 \\
4. & ((4*4)+(13-5)) = 24 \\
5. & ((4*4)-(5-13)) = 24
\end{aligned}$$

1125. [4, 4, 6, 6]

无解

1126. [4, 4, 6, 7]

无解

1127. [4, 4, 6, 8]

$$\begin{aligned}
1. & (((4-6)+8)*4) = 24 \\
2. & ((8-(6-4))*4) = 24 \\
3. & ((6-4)*(4+8)) = 24 \\
4. & (((4+8)-6)*4) = 24 \\
5. & ((4+8)*(6-4)) = 24 \\
6. & (4*((4-6)+8)) = 24 \\
7. & (4*(8-(6-4))) = 24 \\
8. & (4*((4+8)-6)) = 24 \\
9. & ((4-(6-8))*4) = 24 \\
10. & (4*(4-(6-8))) = 24 \\
11. & ((4+(8-6))*4) = 24 \\
12. & (4*(4+(8-6))) = 24
\end{aligned}$$

1128. [4, 4, 6, 9]

$$\begin{aligned}
1. & ((4+4)*(9-6)) = 24 \\
2. & (((4*4)*9)/6) = 24 \\
3. & (((4*4)/6)*9) = 24 \\
4. & (9/(6/(4*4))) = 24 \\
5. & ((4*4)*(9/6)) = 24 \\
6. & ((4*4)/(6/9)) = 24 \\
7. & (((4/6)*4)*9) = 24 \\
8. & (((4/6)*9)*4) = 24 \\
9. & ((4/6)*(4*9)) = 24 \\
10. & (9/((6/4)/4)) = 24 \\
11. & ((4/(6/4))*9) = 24 \\
12. & (4/((6/4)/9)) = 24 \\
13. & ((9/(6/4))*4) = 24 \\
14. & ((4*9)/(6/4)) = 24 \\
15. & (((4*9)*4)/6) = 24 \\
16. & (((4*9)/6)*4) = 24 \\
17. & (4/(6/(4*9))) = 24 \\
18. & ((4*9)*(4/6)) = 24 \\
19. & ((4*(4/6))*9) = 24 \\
20. & (4*((4/6)*9)) = 24 \\
21. & (4*(9/(6/4))) = 24 \\
22. & ((4*(4*9))/6) = 24 \\
23. & (4*((4*9)/6)) = 24 \\
24. & ((4/(6/9))*4) = 24 \\
25. & (4/((6/9)/4)) = 24 \\
26. & (4*(4/(6/9))) = 24 \\
27. & ((4*(9/6))*4) = 24 \\
28. & (4*(4*(9/6))) = 24
\end{aligned}$$

1129. [4, 4, 6, 10]

$$\begin{aligned}
1. & (((4+4)+10)+6) = 24 \\
2. & (((4+4)+6)+10) = 24 \\
3. & ((4+4)+(10+6)) = 24
\end{aligned}$$

$$4. (((4+6)+4)+10) = 24$$

$$\begin{aligned}
5. & (((4+6)+10)+4) = 24 \\
6. & ((4+6)+(4+10)) = 24 \\
7. & (4-((4-6)*10)) = 24 \\
8. & (((6-4)*10)+4) = 24 \\
9. & (((4+10)+4)+6) = 24 \\
10. & (((4+10)+6)+4) = 24 \\
11. & ((4+10)+(4+6)) = 24 \\
12. & ((4+(4+6))+10) = 24 \\
13. & (4+((4+6)+10)) = 24 \\
14. & (4+((6-4)*10)) = 24 \\
15. & ((4+(4+10))+6) = 24 \\
16. & (4+((4+10)+6)) = 24 \\
17. & ((4+4)+(6+10)) = 24 \\
18. & ((4+(6+10))+4) = 24 \\
19. & (4+(4+(6+10))) = 24
\end{aligned}$$

1130. [4, 4, 6, 11]

$$\begin{aligned}
1. & (4-(4*(6-11))) = 24 \\
2. & ((4*(11-6))+4) = 24 \\
3. & (4+(4*(11-6))) = 24
\end{aligned}$$

1131. [4, 4, 6, 12]

$$\begin{aligned}
1. & ((12-(4+4))*6) = 24 \\
2. & (((4+4)-6)*12) = 24 \\
3. & (((4*4)-12)*6) = 24 \\
4. & (((4-6)+4)*12) = 24 \\
5. & ((4-(6-4))*12) = 24 \\
6. & (12/((6-4)/4)) = 24 \\
7. & ((4/(6-4))*12) = 24 \\
8. & (4/((6-4)/12)) = 24 \\
9. & ((12/(6-4))*4) = 24 \\
10. & ((4*12)/(6-4)) = 24 \\
11. & ((4*12)-(4*6)) = 24 \\
12. & ((4+12)/(4/6)) = 24 \\
13. & ((6/4)*(4+12)) = 24 \\
14. & (((4+12)/4)*6) = 24 \\
15. & (6/(4/(4+12))) = 24 \\
16. & (((4+12)*6)/4) = 24 \\
17. & ((4+12)*(6/4)) = 24 \\
18. & (((12-4)-4)*6) = 24 \\
19. & ((4+(4-6))*12) = 24 \\
20. & (4*(12/(6-4))) = 24 \\
21. & ((4+(12/6))*4) = 24 \\
22. & (4*(4+(12/6))) = 24
\end{aligned}$$

1132. [4, 4, 6, 13]

$$1. ((4*(13-6))-4) = 24$$

1133. [4, 4, 7, 7]

1. $((4-(4/7))*7) = 24$

1134. [4, 4, 7, 8]

1. $((((4*7)+4)-8) = 24$

2. $((((4*7)-8)+4) = 24$

3. $(4-(8-(4*7))) = 24$

4. $((4*7)+(4-8)) = 24$

5. $((4*7)-(8-4)) = 24$

6. $((4-8)+(4*7)) = 24$

7. $((((8-4)*7)-4) = 24$

8. $((4+(4*7))-8) = 24$

9. $(4+((4*7)-8)) = 24$

1135. [4, 4, 7, 9]

1. $((((4+4)+9)+7) = 24$

2. $((((4+4)+7)+9) = 24$

3. $((4+4)+(9+7)) = 24$

4. $((((4+7)+4)+9) = 24$

5. $((((4+7)+9)+4) = 24$

6. $((4+7)+(4+9)) = 24$

7. $((((4-7)+9)*4) = 24$

8. $((9-(7-4))*4) = 24$

9. $((((4+9)+4)+7) = 24$

10. $((((4+9)+7)+4) = 24$

11. $((((4+9)-7)*4) = 24$

12. $((4+9)+(4+7)) = 24$

13. $((4+(4+7))+9) = 24$

14. $(4+((4+7)+9)) = 24$

15. $(4*((4-7)+9)) = 24$

16. $(4*(9-(7-4))) = 24$

17. $((4+(4+9))+7) = 24$

18. $(4+((4+9)+7)) = 24$

19. $(4*((4+9)-7)) = 24$

20. $((4+4)+(7+9)) = 24$

21. $((4+(7+9))+4) = 24$

22. $(4+(4+(7+9))) = 24$

23. $((4-(7-9))*4) = 24$

24. $(4*(4-(7-9))) = 24$

25. $((4+(9-7))*4) = 24$

26. $(4*(4+(9-7))) = 24$

1136. [4, 4, 7, 10]

1. $((4+4)*(10-7)) = 24$

1137. [4, 4, 7, 11]

无解

1138. [4, 4, 7, 12]

1. $(12-((4-7)*4)) = 24$

2. $((4-7)*(4-12)) = 24$

3. $((((7-4)*4)+12) = 24$

4. $((7-4)*(12-4)) = 24$

5. $((4-12)*(4-7)) = 24$

6. $((12-4)*(7-4)) = 24$

7. $(12-(4*(4-7))) = 24$

8. $((4*(7-4))+12) = 24$

9. $(4-(4*(7-12))) = 24$

10. $((4*(12-7))+4) = 24$

11. $(4+(4*(12-7))) = 24$

1139. [4, 4, 7, 13]

1. $((4*13)-(4*7)) = 24$

1140. [4, 4, 8, 8]

1. $((((4+4)+8)+8) = 24$

2. $((4+4)+(8+8)) = 24$

3. $((((4+8)+4)+8) = 24$

4. $((((4+8)/4)*8) = 24$

5. $(8/(4/(4+8))) = 24$

6. $((((4+8)+8)+4) = 24$

7. $((((4+8)*8)/4) = 24$

8. $((4+8)+(4+8)) = 24$

9. $((4+8)/(4/8)) = 24$

10. $((4+8)*(8/4)) = 24$

11. $(8-((4-8)*4)) = 24$

12. $((8-4)*4)+8) = 24$

13. $((8-(8/4))*4) = 24$

14. $((8/4)*(4+8)) = 24$

15. $((4+(4+8))+8) = 24$

16. $(4+((4+8)+8)) = 24$

17. $(8-(4*(4-8))) = 24$

18. $((4*(8-4))+8) = 24$

19. $(4*(8-(8/4))) = 24$

20. $((4+(8+8))+4) = 24$

21. $(4+(4+(8+8))) = 24$

1141. [4, 4, 8, 9]

1. $((4*9)-(4+8)) = 24$

2. $((((4*9)-4)-8) = 24$

3. $((((4*9)-8)-4) = 24$

1142. [4, 4, 8, 10]

1. $((((4-8)+10)*4) = 24$

2. $((4-8)*(4-10)) = 24$

3. $((10-(8-4))*4) = 24$

4. $((8-4)*(10-4)) = 24$

5. $((10/(4/8))+4) = 24$

6. $((((8/4)*10)+4) = 24$

7. $((((4+10)-8)*4) = 24$

8. $((4-10)*(4-8)) = 24$

9. $((10-4)*(8-4)) = 24$

10. $((8/(4/10))+4) = 24$

11. $((((10/4)*8)+4) = 24$

12. $(4*((4-8)+10)) = 24$

13. $(4*(10-(8-4))) = 24$

14. $(4+(10/(4/8))) = 24$

15. $(4+((8/4)*10)) = 24$

16. $(4*((4+10)-8)) = 24$

17. $(4+(8/(4/10))) = 24$

18. $(4+((10/4)*8)) = 24$

19. $((4-(8-10))*4) = 24$

20. $(4*(4-(8-10))) = 24$

21. $((4+(10-8))*4) = 24$

22. $(4*(4+(10-8))) = 24$

23. $((8*10)/4)+4) = 24$

24. $(4+((8*10)/4)) = 24$

1143. [4, 4, 8, 11]

1. $((11-(4+4))*8) = 24$

2. $((4+4)*(11-8)) = 24$

3. $((11-4)*8) = 24$

1144. [4, 4, 8, 12]

1. $((4*4)*(12/8)) = 24$

2. $((4*4)/8)*12) = 24$

3. $(12/(8/(4*4))) = 24$

4. $((4*4)*(12/8)) = 24$

5. $((4*4)/(8/12)) = 24$

6. $((4*8)+4)-12) = 24$

7. $((4*8)-12)+4) = 24$

8. $(4-(12-(4*8))) = 24$

9. $((4*8)+(4-12)) = 24$

10. $((4*8)-(12-4)) = 24$

11. $((4/8)*4)*12) = 24$

12. $((4/8)*12)*4) = 24$

13. $((4/8)*(4*12)) = 24$

14. $((4-(8/4))*12) = 24$

15. $(12/((8/4)/4)) = 24$

16. $((4/(8/4))*12) = 24$

17. $(4/((8/4)/12)) = 24$

18. $((12/(8/4))*4) = 24$

19. $((4*12)/(8/4)) = 24$

20. $((4-12)+(4*8)) = 24$

21. $((12-4)*4)-8) = 24$

22. $((4*12)*4)/8) = 24$

23. $((4*12)/8)*4) = 24$

24. $(4/(8/(4*12))) = 24$

25. $((4*12)*(4/8)) = 24$

26. $((4+(4*8))-12) = 24$

27. $(4+((4*8)-12)) = 24$

28. $((4*(4/8))*12) = 24$

29. $(4*((4/8)*12)) = 24$

30. $(4*(12/(8/4))) = 24$

31. $((4*(12-4))-8) = 24$

32. $((4*(4*12))/8) = 24$

33. $(4*((4*12)/8)) = 24$

34. $((4/(8/12))*4) = 24$

35. $(4/((8/12)/4)) = 24$

36. $(4*(4/(8/12))) = 24$

37. $((4*(12/8))*4) = 24$

38. $(4*(4*(12/8))) = 24$

1145. [4, 4, 8, 13]

1. $((4*4)-13)*8) = 24$

2. $(4-(4*(8-13))) = 24$

3. $((4*(13-8))+4) = 24$

4. $(4+(4*(13-8))) = 24$

1146. [4, 4, 9, 9]

无解

1147. [4, 4, 9, 10]

无解

1148. [4, 4, 9, 11]

1. $((4-9)+11)*4) = 24$

2. $((11-(9-4))*4) = 24$

3. $((4+11)-9)*4) = 24$

4. $(4*((4-9)+11)) = 24$

5. $(4*(11-(9-4))) = 24$

6. $(4*((4+11)-9)) = 24$

7. $((4-(9-11))*4) = 24$

8. $(4*(4-(9-11))) = 24$

9. $((4+(11-9))*4) = 24$

10. $(4*(4+(11-9))) = 24$

1149. [4, 4, 9, 12]

1. $((4+4)*(12-9)) = 24$

2. $((9-(12/4))*4) = 24$

3. $(4*(9-(12/4))) = 24$

1150. [4, 4, 9, 13]

无解

1151. [4, 4, 10, 10]

$$1. (((10*10)-4)/4) = 24$$

$$1152. [4, 4, 10, 11]$$

无解

$$1153. [4, 4, 10, 12]$$

$$1. ((10-(4+4))*12) = 24$$

$$2. (((4-10)+12)*4) = 24$$

$$3. (((10-4)-4)*12) = 24$$

$$4. ((12-(10-4))*4) = 24$$

$$5. (((4*10)-4)-12) = 24$$

$$6. (((4*10)-12)-4) = 24$$

$$7. ((4*10)-(4+12)) = 24$$

$$8. (((4+12)-10)*4) = 24$$

$$9. (4*((4-10)+12)) = 24$$

$$10. (4*(12-(10-4))) = 24$$

$$11. (4*((4+12)-10)) = 24$$

$$12. ((4-(10-12))*4) = 24$$

$$13. (4*(4-(10-12))) = 24$$

$$14. ((4+(12-10))*4) = 24$$

$$15. (4*(4+(12-10))) = 24$$

$$1154. [4, 4, 10, 13]$$

$$1. ((4+4)*(13-10)) = 24$$

$$2. (((4/4)+13)+10) = 24$$

$$3. (((4/4)+10)+13) = 24$$

$$4. ((4/4)+(13+10)) = 24$$

$$5. ((4/4)+(10+13)) = 24$$

$$1155. [4, 4, 11, 11]$$

无解

$$1156. [4, 4, 11, 12]$$

$$1. (((4/4)+12)+11) = 24$$

$$2. (((4/4)+11)+12) = 24$$

$$3. ((4/4)+(12+11)) = 24$$

$$4. ((4/4)+(11+12)) = 24$$

$$1157. [4, 4, 11, 13]$$

$$1. (((4-4)+13)+11) = 24$$

$$2. (11-((4-4)-13)) = 24$$

$$3. ((13-(4-4))+11) = 24$$

$$4. (((4-4)+11)+13) = 24$$

$$5. (13-((4-4)-11)) = 24$$

$$6. ((11-(4-4))+13) = 24$$

$$7. ((4-4)+(13+11)) = 24$$

$$8. ((13+11)-(4-4)) = 24$$

$$9. (((4/4)*13)+11) = 24$$

$$10. ((13/(4/4))+11) = 24$$

$$11. (((4/4)*11)+13) = 24$$

$$12. ((11/(4/4))+13) = 24$$

$$13. ((4/4)*(13+11)) = 24$$

$$14. ((13+11)/(4/4)) = 24$$

$$15. (((4+11)-4)+13) = 24$$

$$16. (13-(4-(4+11))) = 24$$

$$17. (((4+11)+13)-4) = 24$$

$$18. ((4+11)-(4-13)) = 24$$

$$19. ((4+11)+(13-4)) = 24$$

$$20. (13-((4-11)-4)) = 24$$

$$21. ((4-(4-11))+13) = 24$$

$$22. (((4-11)+13)*4) = 24$$

$$23. (4-((4-11)-13)) = 24$$

$$24. ((13-(4-11))+4) = 24$$

$$25. ((4+13)-(4-11)) = 24$$

$$26. (((11-4)+4)+13) = 24$$

$$27. (((11-4)+13)+4) = 24$$

$$28. ((13-(11-4))*4) = 24$$

$$29. ((11-4)+(4+13)) = 24$$

$$30. (((4*11)/4)+13) = 24$$

$$31. ((4/(4/11))+13) = 24$$

$$32. (((11/4)*4)+13) = 24$$

$$33. (((4+13)-4)+11) = 24$$

$$34. (11-(4-(4+13))) = 24$$

$$35. (((4+13)+11)-4) = 24$$

$$36. (((4+13)-11)*4) = 24$$

$$37. ((4+13)+(11-4)) = 24$$

$$38. (11-((4-13)-4)) = 24$$

$$39. ((4-(4-13))+11) = 24$$

$$40. (4-((4-13)-11)) = 24$$

$$41. ((11-(4-13))+4) = 24$$

$$42. (((13-4)+4)+11) = 24$$

$$43. (((13-4)+11)+4) = 24$$

$$44. ((13-4)+(4+11)) = 24$$

$$45. (((4*13)/4)+11) = 24$$

$$46. ((4/(4/13))+11) = 24$$

$$47. (((13/4)*4)+11) = 24$$

$$48. (4*((4-11)+13)) = 24$$

$$49. (4+(13-(4-11))) = 24$$

$$50. ((4+(11-4))+13) = 24$$

$$51. (4+((11-4)+13)) = 24$$

$$52. (4*(13-(11-4))) = 24$$

$$53. ((4*(11/4))+13) = 24$$

$$54. (4*((4+13)-11)) = 24$$

$$55. (4+(11-(4-13))) = 24$$

$$56. ((4+(13-4))+11) = 24$$

$$57. (4+((13-4)+11)) = 24$$

$$58. ((4*(13/4))+11) = 24$$

$$59. ((4-4)+(11+13)) = 24$$

$$60. ((11+13)-(4-4)) = 24$$

$$61. ((4/4)*(11+13)) = 24$$

$$62. ((11+13)/(4/4)) = 24$$

$$63. ((4+(11+13))-4) = 24$$

$$64. (4-(4-(11+13))) = 24$$

$$65. (((11+13)-4)+4) = 24$$

$$66. ((4*(11+13))/4) = 24$$

$$67. (4/(4/(11+13))) = 24$$

$$68. (((11+13)/4)*4) = 24$$

$$69. (4+((11+13)-4)) = 24$$

$$70. (4*((11+13)/4)) = 24$$

$$71. ((4-(11-13))*4) = 24$$

$$72. (4*(4-(11-13))) = 24$$

$$73. ((4+(13-11))*4) = 24$$

$$74. (4*(4+(13-11))) = 24$$

$$1158. [4, 4, 12, 12]$$

$$1. (((4-4)+12)+12) = 24$$

$$2. (12-((4-4)-12)) = 24$$

$$3. ((12-(4-4))+12) = 24$$

$$4. ((4-4)+(12+12)) = 24$$

$$5. ((12+12)-(4-4)) = 24$$

$$6. (((4/4)*12)+12) = 24$$

$$7. ((12/(4/4))+12) = 24$$

$$8. ((4/4)*(12+12)) = 24$$

$$9. ((12+12)/(4/4)) = 24$$

$$10. (((4+12)-4)+12) = 24$$

$$11. (12-(4-(4+12))) = 24$$

$$12. (((4+12)+12)-4) = 24$$

$$13. ((4+12)-(4-12)) = 24$$

$$14. ((4+12)+(12-4)) = 24$$

$$15. (12-((4-12)-4)) = 24$$

$$16. ((4-(4-12))+12) = 24$$

$$17. (4-((4-12)-12)) = 24$$

$$18. ((12-(4-12))+4) = 24$$

$$19. (((12-4)+4)+12) = 24$$

$$20. (((12-4)/4)*12) = 24$$

$$21. (12/(4/(12-4))) = 24$$

$$22. (((12-4)+12)+4) = 24$$

$$23. (((12-4)*12)/4) = 24$$

$$24. ((12-4)+(4+12)) = 24$$

$$25. ((12-4)/(4/12)) = 24$$

$$26. ((12-4)*(12/4)) = 24$$

$$27. (((4*12)/4)+12) = 24$$

$$28. ((4/(4/12))+12) = 24$$

$$29. (((12/4)*4)+12) = 24$$

$$30. ((12/4)*(12-4)) = 24$$

$$31. (4+(12-(4-12))) = 24$$

$$32. ((4+(12-4))+12) = 24$$

$$33. (4+((12-4)+12)) = 24$$

$$34. ((4*(12/4))+12) = 24$$

$$35. ((4+(12+12))-4) = 24$$

$$36. (4-(4-(12+12))) = 24$$

$$37. (((12+12)-4)+4) = 24$$

$$38. ((4*(12+12))/4) = 24$$

$$39. (4/(4/(12+12))) = 24$$

$$40. (((12+12)/4)*4) = 24$$

$$41. (4+((12+12)-4)) = 24$$

$$42. (4*((12+12)/4)) = 24$$

$$1159. [4, 4, 12, 13]$$

$$1. (12-((4/4)-13)) = 24$$

$$2. ((13-(4/4))+12) = 24$$

$$3. (13-((4/4)-12)) = 24$$

$$4. ((12-(4/4))+13) = 24$$

$$5. ((13+12)-(4/4)) = 24$$

$$6. (((13-4)*4)-12) = 24$$

$$7. ((4*(13-4))-12) = 24$$

$$8. ((12+13)-(4/4)) = 24$$

$$1160. [4, 4, 13, 13]$$

无解

$$1161. [4, 5, 5, 5]$$

$$1. ((4-5)+(5*5)) = 24$$

$$2. ((5*5)-(5-4)) = 24$$

$$3. ((4+(5*5))-5) = 24$$

$$4. (4+((5*5)-5)) = 24$$

$$5. (4-(5-(5*5))) = 24$$

$$6. (4*((5/5)+5)) = 24$$

$$7. (4*(5+(5/5))) = 24$$

$$1162. [4, 5, 5, 6]$$

$$1. (((4+5)-5)*6) = 24$$

$$2. (((4-5)+5)*6) = 24$$

$$3. ((5-(5-4))*6) = 24$$

$$4. (((4*5)*6)/5) = 24$$

$$5. (((4*5)/5)*6) = 24$$

$$6. (6/(5/(4*5))) = 24$$

$$7. ((4*5)*(6/5)) = 24$$

$$8. ((4*5)/(5/6)) = 24$$

$$9. (((4/5)*6)*5) = 24$$

$$10. (((4/5)*5)*6) = 24$$

$$11. ((4/5)*(6*5)) = 24$$

$$12. (5/((5/4)/6)) = 24$$

$$13. ((6/(5/4))*5) = 24$$

$$14. (6/((5/4)/5)) = 24$$

$$15. ((5/(5/4))*6) = 24$$

$$\begin{aligned}
16. & ((6*5)/(5/4)) = 24 \\
17. & ((4/5)*(5*6)) = 24 \\
18. & ((5*6)/(5/4)) = 24 \\
19. & (((4*6)+5)-5) = 24 \\
20. & (((4*6)-5)+5) = 24 \\
21. & (5-(5-(4*6))) = 24 \\
22. & (((4*6)*5)/5) = 24 \\
23. & (((4*6)/5)*5) = 24 \\
24. & (5/(5/(4*6))) = 24 \\
25. & ((4*6)+(5-5)) = 24 \\
26. & ((4*6)-(5-5)) = 24 \\
27. & ((4*6)*(5/5)) = 24 \\
28. & ((4*6)/(5/5)) = 24 \\
29. & ((4+(5-5))*6) = 24 \\
30. & ((4-(5-5))*6) = 24 \\
31. & (4*((5-5)+6)) = 24 \\
32. & (4*(6-(5-5))) = 24 \\
33. & ((4*(5/5))*6) = 24 \\
34. & ((4/(5/5))*6) = 24 \\
35. & (6/((5/5)/4)) = 24 \\
36. & (4*((5/5)*6)) = 24 \\
37. & (4/((5/5)/6)) = 24 \\
38. & (4*(6/(5/5))) = 24 \\
39. & (4*((5+6)-5)) = 24 \\
40. & (4*(5-(5-6))) = 24 \\
41. & (4*((6-5)+5)) = 24 \\
42. & ((4*(5*6))/5) = 24 \\
43. & (4*((5*6)/5)) = 24 \\
44. & (4/(5/(5*6))) = 24 \\
45. & ((4/(5/6))*5) = 24 \\
46. & (5/((5/6)/4)) = 24 \\
47. & (4/((5/6)/5)) = 24 \\
48. & (4*(5/(5/6))) = 24 \\
49. & ((4*(6/5))*5) = 24 \\
50. & (4*((6/5)*5)) = 24 \\
51. & (4*(5+(6-5))) = 24 \\
52. & (4*(5*(6/5))) = 24
\end{aligned}$$

1163. [4, 5, 5, 7]

$$1. (4*(7-(5/5))) = 24$$

1164. [4, 5, 5, 8]

$$1. ((4-(5/5))*8) = 24$$

1165. [4, 5, 5, 9]

$$\begin{aligned}
1. & (((4*5)+9)-5) = 24 \\
2. & (((4*5)-5)+9) = 24 \\
3. & (9-(5-(4*5))) = 24 \\
4. & ((4*5)+(9-5)) = 24
\end{aligned}$$

$$\begin{aligned}
5. & ((4*5)-(5-9)) = 24 \\
6. & (4-((5-9)*5)) = 24 \\
7. & (4+((9-5)*5)) = 24 \\
8. & (4-(5*(5-9))) = 24 \\
9. & (4+(5*(9-5))) = 24
\end{aligned}$$

1166. [4, 5, 5, 10]

$$\begin{aligned}
1. & (((4+5)+10)+5) = 24 \\
2. & (((4+5)+5)+10) = 24 \\
3. & ((4+5)+(10+5)) = 24 \\
4. & ((4+5)+(5+10)) = 24 \\
5. & (((4+10)+5)+5) = 24 \\
6. & ((4+10)+(5+5)) = 24 \\
7. & ((4+(5+5))+10) = 24 \\
8. & (4+((5+5)+10)) = 24 \\
9. & ((4+(5+10))+5) = 24 \\
10. & (4+((5+10)+5)) = 24 \\
11. & (4+(5+(5+10))) = 24
\end{aligned}$$

1167. [4, 5, 5, 11]

无解

1168. [4, 5, 5, 12]

无解

1169. [4, 5, 5, 13]

无解

1170. [4, 5, 6, 6]

$$\begin{aligned}
1. & ((4*6)*(6-5)) = 24 \\
2. & ((4*6)/(6-5)) = 24 \\
3. & ((4*(6-5))*6) = 24 \\
4. & ((4/(6-5))*6) = 24 \\
5. & (6/((6-5)/4)) = 24 \\
6. & (4*((6-5)*6)) = 24 \\
7. & (4/((6-5)/6)) = 24 \\
8. & (4*(6/(6-5))) = 24 \\
9. & (4*(5+(6/6))) = 24
\end{aligned}$$

1171. [4, 5, 6, 7]

$$\begin{aligned}
1. & ((6-4)*(5+7)) = 24 \\
2. & (4*((5-6)+7)) = 24 \\
3. & (4*(7-(6-5))) = 24 \\
4. & (4*((5+7)-6)) = 24 \\
5. & (4*(5-(6-7))) = 24 \\
6. & (4*(5+(7-6))) = 24
\end{aligned}$$

1172. [4, 5, 6, 8]

$$1. (((4+5)-6)*8) = 24$$

$$\begin{aligned}
2. & (((4-6)+5)*8) = 24 \\
3. & ((5-(6-4))*8) = 24 \\
4. & ((4+(5-6))*8) = 24 \\
5. & ((4-(6-5))*8) = 24
\end{aligned}$$

1173. [4, 5, 6, 9]

$$\begin{aligned}
1. & (((4+5)+9)+6) = 24 \\
2. & (((4+5)+6)+9) = 24 \\
3. & ((4+5)+(9+6)) = 24 \\
4. & (((4+6)+5)+9) = 24 \\
5. & (((4+6)+9)+5) = 24 \\
6. & ((4+6)+(5+9)) = 24 \\
7. & (((4+9)+5)+6) = 24 \\
8. & (((4+9)+6)+5) = 24 \\
9. & ((4+9)+(5+6)) = 24 \\
10. & ((4+(5+6))+9) = 24 \\
11. & (4+((5+6)+9)) = 24 \\
12. & ((4+(5+9))+6) = 24 \\
13. & (4+((5+9)+6)) = 24 \\
14. & ((4+5)+(6+9)) = 24 \\
15. & ((4+(6+9))+5) = 24 \\
16. & (4+(5+(6+9))) = 24
\end{aligned}$$

1174. [4, 5, 6, 10]

$$\begin{aligned}
1. & (((4*5)+10)-6) = 24 \\
2. & (((4*5)-6)+10) = 24 \\
3. & (10-(6-(4*5))) = 24 \\
4. & ((4*5)+(10-6)) = 24 \\
5. & ((4*5)-(6-10)) = 24 \\
6. & ((4-10)+(5*6)) = 24 \\
7. & (((10-4)*5)-6) = 24 \\
8. & ((5*6)-(10-4)) = 24 \\
9. & ((4+(5*6))-10) = 24 \\
10. & (4+((5*6)-10)) = 24 \\
11. & (4-(10-(5*6))) = 24 \\
12. & (4-(5*(6-10))) = 24 \\
13. & (4+(5*(10-6))) = 24
\end{aligned}$$

1175. [4, 5, 6, 11]

$$\begin{aligned}
1. & ((5+11)/(4/6)) = 24 \\
2. & ((6/4)*(5+11)) = 24 \\
3. & (6/(4/(5+11))) = 24 \\
4. & (((5+11)/4)*6) = 24 \\
5. & (((5+11)*6)/4) = 24
\end{aligned}$$

1176. [4, 5, 6, 12]

$$\begin{aligned}
1. & (((4+6)/5)*12) = 24 \\
2. & (12/(5/(4+6))) = 24 \\
3. & (((4+6)*12)/5) = 24
\end{aligned}$$

$$\begin{aligned}
4. & ((4+6)/(5/12)) = 24 \\
5. & ((4+6)*(12/5)) = 24
\end{aligned}$$

1177. [4, 5, 6, 13]

$$\begin{aligned}
1. & ((13-(4+5))*6) = 24 \\
2. & (((13-4)-5)*6) = 24 \\
3. & (((13-5)-4)*6) = 24
\end{aligned}$$

1178. [4, 5, 7, 7]

$$\begin{aligned}
1. & ((5*7)-(4+7)) = 24 \\
2. & (((5*7)-4)-7) = 24 \\
3. & (((5*7)-7)-4) = 24 \\
4. & (4*(5+(7/7))) = 24
\end{aligned}$$

1179. [4, 5, 7, 8]

$$\begin{aligned}
1. & (((4+5)+8)+7) = 24 \\
2. & (((4+5)+7)+8) = 24 \\
3. & ((4+5)+(8+7)) = 24 \\
4. & (((4+7)+5)+8) = 24 \\
5. & (((4+7)+8)+5) = 24 \\
6. & ((4+7)+(5+8)) = 24 \\
7. & (((4+8)+5)+7) = 24 \\
8. & (((4+8)+7)+5) = 24 \\
9. & ((4+8)+(5+7)) = 24 \\
10. & ((4+8)*(7-5)) = 24 \\
11. & ((5+7)/(4/8)) = 24 \\
12. & ((8/4)*(5+7)) = 24 \\
13. & ((4+(5+7))+8) = 24 \\
14. & (8/(4/(5+7))) = 24 \\
15. & (((5+7)/4)*8) = 24 \\
16. & (4+((5+7)+8)) = 24 \\
17. & (((5+7)*8)/4) = 24 \\
18. & (4*((5-7)+8)) = 24 \\
19. & (4*(8-(7-5))) = 24 \\
20. & ((4+(5+8))+7) = 24 \\
21. & (4+((5+8)+7)) = 24 \\
22. & (4*((5+8)-7)) = 24 \\
23. & ((4+5)+(7+8)) = 24 \\
24. & ((4+(7+8))+5) = 24 \\
25. & (4+(5+(7+8))) = 24 \\
26. & (4*(5-(7-8))) = 24 \\
27. & (4*(5+(8-7))) = 24
\end{aligned}$$

1180. [4, 5, 7, 9]

$$\begin{aligned}
1. & (9-((4-7)*5)) = 24 \\
2. & (((7-4)*5)+9) = 24 \\
3. & (((4*7)+5)-9) = 24 \\
4. & (((4*7)-9)+5) = 24 \\
5. & (5-(9-(4*7))) = 24
\end{aligned}$$

$$\begin{aligned}
6. & ((4*7)+(5-9)) = 24 \\
7. & ((4*7)-(9-5)) = 24 \\
8. & (((4*9)-5)-7) = 24 \\
9. & (((4*9)-7)-5) = 24 \\
10. & ((4*9)-(5+7)) = 24 \\
11. & (((9-5)*7)-4) = 24
\end{aligned}$$

$$1181. [4, 5, 7, 10]$$

$$\begin{aligned}
1. & (4-((5-7)*10)) = 24 \\
2. & (4+((7-5)*10)) = 24
\end{aligned}$$

$$1182. [4, 5, 7, 11]$$

$$\begin{aligned}
1. & (((4*5)+11)-7) = 24 \\
2. & (((4*5)-7)+11) = 24 \\
3. & (11-(7-(4*5))) = 24 \\
4. & ((4*5)+(11-7)) = 24 \\
5. & ((4*5)-(7-11)) = 24 \\
6. & (4-(5*(7-11))) = 24 \\
7. & (4+(5*(11-7))) = 24
\end{aligned}$$

$$1183. [4, 5, 7, 12]$$

$$\begin{aligned}
1. & (((4+5)-7)*12) = 24 \\
2. & (((4-7)+5)*12) = 24 \\
3. & ((5-(7-4))*12) = 24 \\
4. & ((4*12)/(7-5)) = 24 \\
5. & ((4+(5-7))*12) = 24 \\
6. & ((4-(7-5))*12) = 24 \\
7. & ((4/(7-5))*12) = 24 \\
8. & (12/((7-5)/4)) = 24 \\
9. & (4/((7-5)/12)) = 24 \\
10. & (4*(12/(7-5))) = 24
\end{aligned}$$

$$1184. [4, 5, 7, 13]$$

$$\begin{aligned}
1. & ((4-7)*(5-13)) = 24 \\
2. & ((7-4)*(13-5)) = 24 \\
3. & ((5+(7*13))/4) = 24
\end{aligned}$$

$$1185. [4, 5, 8, 8]$$

$$\begin{aligned}
1. & ((5-(8/4))*8) = 24 \\
2. & (4*(5+(8/8))) = 24
\end{aligned}$$

$$1186. [4, 5, 8, 9]$$

$$\begin{aligned}
1. & (4*((5-8)+9)) = 24 \\
2. & (4*(9-(8-5))) = 24 \\
3. & (4*((5+9)-8)) = 24 \\
4. & (8-(4*(5-9))) = 24 \\
5. & ((4*(9-5))+8) = 24 \\
6. & (4*(5-(8-9))) = 24 \\
7. & (4*(5+(9-8))) = 24
\end{aligned}$$

$$1187. [4, 5, 8, 10]$$

$$\begin{aligned}
1. & (((4+8)/5)*10) = 24 \\
2. & (10/(5/(4+8))) = 24 \\
3. & (((4+8)*10)/5) = 24 \\
4. & ((4+8)/(5/10)) = 24 \\
5. & ((4+8)*(10/5)) = 24 \\
6. & ((4-(8/5))*10) = 24 \\
7. & (4*(8-(10/5))) = 24 \\
8. & ((4+(8/10))*5) = 24
\end{aligned}$$

$$1188. [4, 5, 8, 11]$$

$$\begin{aligned}
1. & ((4-8)*(5-11)) = 24 \\
2. & ((8-4)*(11-5)) = 24 \\
3. & (((4+11)/5)*8) = 24 \\
4. & (8/(5/(4+11))) = 24 \\
5. & (((4+11)*8)/5) = 24 \\
6. & ((4+11)/(5/8)) = 24 \\
7. & ((4+11)*(8/5)) = 24
\end{aligned}$$

$$1189. [4, 5, 8, 12]$$

$$\begin{aligned}
1. & ((12-(4+5))*8) = 24 \\
2. & (((4*5)+12)-8) = 24 \\
3. & (((4*5)-8)+12) = 24 \\
4. & (12-(8-(4*5))) = 24 \\
5. & ((4*5)+(12-8)) = 24 \\
6. & ((4*5)-(8-12)) = 24 \\
7. & ((5*8)-(4+12)) = 24 \\
8. & ((4-12)*(5-8)) = 24 \\
9. & (((12-4)-5)*8) = 24 \\
10. & ((12-4)*(8-5)) = 24 \\
11. & (12-(4*(5-8))) = 24 \\
12. & ((4*(8-5))+12) = 24 \\
13. & (((5*8)-4)-12) = 24 \\
14. & (((5*8)-12)-4) = 24 \\
15. & (((12-5)-4)*8) = 24 \\
16. & (4-(5*(8-12))) = 24 \\
17. & (4+(5*(12-8))) = 24
\end{aligned}$$

$$1190. [4, 5, 8, 13]$$

$$\begin{aligned}
1. & (((4*8)+5)-13) = 24 \\
2. & (((4*8)-13)+5) = 24 \\
3. & (5-(13-(4*8))) = 24 \\
4. & ((4*8)+(5-13)) = 24 \\
5. & ((4*8)-(13-5)) = 24 \\
6. & ((4*(13-5))-8) = 24
\end{aligned}$$

$$1191. [4, 5, 9, 9]$$

$$1. (4*(5+(9/9))) = 24$$

$$1192. [4, 5, 9, 10]$$

$$\begin{aligned}
1. & ((4-10)*(5-9)) = 24 \\
2. & ((10-4)*(9-5)) = 24 \\
3. & (4*((5-9)+10)) = 24 \\
4. & (4*(10-(9-5))) = 24 \\
5. & (4*((5+10)-9)) = 24 \\
6. & (4*(5-(9-10))) = 24 \\
7. & (4*(5+(10-9))) = 24
\end{aligned}$$

$$1193. [4, 5, 9, 11]$$

无解

$$1194. [4, 5, 9, 12]$$

$$\begin{aligned}
1. & ((12/(4/5))+9) = 24 \\
2. & (((5/4)*12)+9) = 24 \\
3. & ((5*12)-(4*9)) = 24 \\
4. & ((5/(4/12))+9) = 24 \\
5. & (((12/4)*5)+9) = 24 \\
6. & (((5*12)/4)+9) = 24
\end{aligned}$$

$$1195. [4, 5, 9, 13]$$

$$\begin{aligned}
1. & (((4*5)+13)-9) = 24 \\
2. & (((4*5)-9)+13) = 24 \\
3. & (13-(9-(4*5))) = 24 \\
4. & ((4*5)+(13-9)) = 24 \\
5. & ((4*5)-(9-13)) = 24 \\
6. & (4-(5*(9-13))) = 24 \\
7. & (4+(5*(13-9))) = 24
\end{aligned}$$

$$1196. [4, 5, 10, 10]$$

$$\begin{aligned}
1. & (4+(10/(5/10))) = 24 \\
2. & (4+((10/5)*10)) = 24 \\
3. & (4+((10*10)/5)) = 24 \\
4. & (4*(5+(10/10))) = 24
\end{aligned}$$

$$1197. [4, 5, 10, 11]$$

$$\begin{aligned}
1. & (((4*10)-5)-11) = 24 \\
2. & (((4*10)-11)-5) = 24 \\
3. & ((4*10)-(5+11)) = 24 \\
4. & (4*((5-10)+11)) = 24 \\
5. & (4*(11-(10-5))) = 24 \\
6. & (4*((5+11)-10)) = 24 \\
7. & (4*(5-(10-11))) = 24 \\
8. & (4*(5+(11-10))) = 24
\end{aligned}$$

$$1198. [4, 5, 10, 12]$$

$$\begin{aligned}
1. & (((4*5)*12)/10) = 24 \\
2. & (((4*5)/10)*12) = 24
\end{aligned}$$

$$3. (12/(10/(4*5))) = 24$$

$$\begin{aligned}
4. & ((4*5)*(12/10)) = 24 \\
5. & ((4*5)/(10/12)) = 24 \\
6. & (((4/10)*5)*12) = 24 \\
7. & (((4/10)*12)*5) = 24 \\
8. & ((4/10)*(5*12)) = 24 \\
9. & (12/((10/4)/5)) = 24 \\
10. & ((5/(10/4))*12) = 24 \\
11. & (5/((10/4)/12)) = 24 \\
12. & ((12/(10/4))*5) = 24 \\
13. & ((5*12)/(10/4)) = 24 \\
14. & (((4*12)*5)/10) = 24 \\
15. & (((4*12)/10)*5) = 24 \\
16. & (5/(10/(4*12))) = 24 \\
17. & ((4*12)*(5/10)) = 24 \\
18. & ((4*12)/(10/5)) = 24 \\
19. & ((4*(5/10))*12) = 24 \\
20. & (4*((5/10)*12)) = 24 \\
21. & ((4-(10/5))*12) = 24 \\
22. & ((4/(10/5))*12) = 24 \\
23. & (12/((10/5)/4)) = 24 \\
24. & (4/((10/5)/12)) = 24 \\
25. & (4*(12/(10/5))) = 24 \\
26. & ((4*(5*12))/10) = 24 \\
27. & (4*((5*12)/10)) = 24 \\
28. & (4/(10/(5*12))) = 24 \\
29. & ((4/(10/12))*5) = 24 \\
30. & (5/((10/12)/4)) = 24 \\
31. & (4*(5/(10/12))) = 24 \\
32. & (4/((10/12)/5)) = 24 \\
33. & ((4*(12/10))*5) = 24 \\
34. & (4*(5*(12/10))) = 24
\end{aligned}$$

$$1199. [4, 5, 10, 13]$$

$$\begin{aligned}
1. & (10-((4-5)-13)) = 24 \\
2. & ((13-(4-5))+10) = 24 \\
3. & (13-((4-5)-10)) = 24 \\
4. & ((10-(4-5))+13) = 24 \\
5. & ((13+10)-(4-5)) = 24 \\
6. & (((5-4)+13)+10) = 24 \\
7. & (((5-4)+10)+13) = 24 \\
8. & ((5-4)+(13+10)) = 24 \\
9. & (13-((4-10)-5)) = 24 \\
10. & ((5-(4-10))+13) = 24 \\
11. & (5-((4-10)-13)) = 24 \\
12. & ((13-(4-10))+5) = 24 \\
13. & ((5+13)-(4-10)) = 24 \\
14. & (((10-4)+5)+13) = 24 \\
15. & (((10-4)+13)+5) = 24
\end{aligned}$$

$$\begin{aligned}
16. & ((10-4)+(5+13)) = 24 \\
17. & (10-((4-13)-5)) = 24 \\
18. & ((5-(4-13))+10) = 24 \\
19. & (5-((4-13)-10)) = 24 \\
20. & ((10-(4-13))+5) = 24 \\
21. & ((5+10)-(4-13)) = 24 \\
22. & (((13-4)+5)+10) = 24 \\
23. & (((13-4)+10)+5) = 24 \\
24. & ((13-4)+(5+10)) = 24 \\
25. & (13-(4-(5+10))) = 24 \\
26. & (((5+10)-4)+13) = 24 \\
27. & (((5+10)+13)-4) = 24 \\
28. & (10-(4-(5+13))) = 24 \\
29. & (((5+13)-4)+10) = 24 \\
30. & (((5+13)+10)-4) = 24 \\
31. & ((10+13)-(4-5)) = 24 \\
32. & ((5-4)+(10+13)) = 24 \\
33. & (5-(4-(10+13))) = 24 \\
34. & (((10+13)-4)+5) = 24 \\
35. & ((5+(10+13))-4) = 24
\end{aligned}$$

$$1200. [4, 5, 11, 11]$$

$$\begin{aligned}
1. & (((11-4)*5)-11) = 24 \\
2. & (4*(5+(11/11))) = 24
\end{aligned}$$

$$1201. [4, 5, 11, 12]$$

$$\begin{aligned}
1. & (((11-(4+5))*12) = 24 \\
2. & (11-((4-5)-12)) = 24 \\
3. & ((12-(4-5))+11) = 24 \\
4. & (12-((4-5)-11)) = 24 \\
5. & (((11-(4-5))+12) = 24 \\
6. & ((12+11)-(4-5)) = 24 \\
7. & (((5-4)+12)+11) = 24 \\
8. & (((5-4)+11)+12) = 24 \\
9. & ((5-4)+(12+11)) = 24 \\
10. & (12-((4-11)-5)) = 24 \\
11. & ((5-(4-11))+12) = 24 \\
12. & (5-((4-11)-12)) = 24 \\
13. & ((12-(4-11))+5) = 24 \\
14. & ((5+12)-(4-11)) = 24 \\
15. & (((11-4)+5)+12) = 24 \\
16. & (((11-4)-5)*12) = 24 \\
17. & (((11-4)+12)+5) = 24 \\
18. & ((11-4)+(5+12)) = 24 \\
19. & (11-((4-12)-5)) = 24 \\
20. & ((5-(4-12))+11) = 24 \\
21. & (5-((4-12)-11)) = 24 \\
22. & ((11-(4-12))+5) = 24 \\
23. & ((5+11)-(4-12)) = 24
\end{aligned}$$

$$\begin{aligned}
24. & (((12-4)+5)+11) = 24 \\
25. & (((12-4)+11)+5) = 24 \\
26. & ((12-4)+(5+11)) = 24 \\
27. & (12-(4-(5+11))) = 24 \\
28. & (((5+11)-4)+12) = 24 \\
29. & (((5+11)+12)-4) = 24 \\
30. & (4*((5-11)+12)) = 24 \\
31. & (((11-5)-4)*12) = 24 \\
32. & (4*(12-(11-5))) = 24 \\
33. & (11-(4-(5+12))) = 24 \\
34. & (((5+12)-4)+11) = 24 \\
35. & (((5+12)+11)-4) = 24 \\
36. & (4*((5+12)-11)) = 24 \\
37. & ((11+12)-(4-5)) = 24 \\
38. & ((5-4)+(11+12)) = 24 \\
39. & (5-(4-(11+12))) = 24 \\
40. & (((11+12)-4)+5) = 24 \\
41. & ((5+(11+12))-4) = 24 \\
42. & (4*(5-(11-12))) = 24 \\
43. & (4*(5+(12-11))) = 24
\end{aligned}$$

$$1202. [4, 5, 11, 13]$$

$$\begin{aligned}
1. & (11-((4-5)*13)) = 24 \\
2. & (11-(13/(4-5))) = 24 \\
3. & (13-((4-5)*11)) = 24 \\
4. & (13-(11/(4-5))) = 24 \\
5. & (((5-4)*13)+11) = 24 \\
6. & ((13/(5-4))+11) = 24 \\
7. & (((5-4)*11)+13) = 24 \\
8. & ((11/(5-4))+13) = 24 \\
9. & ((5-4)*(13+11)) = 24 \\
10. & ((13+11)/(5-4)) = 24 \\
11. & ((5-4)*(11+13)) = 24 \\
12. & ((11+13)/(5-4)) = 24
\end{aligned}$$

$$1203. [4, 5, 12, 12]$$

$$\begin{aligned}
1. & (12-((4-5)*12)) = 24 \\
2. & (12-(12/(4-5))) = 24 \\
3. & (((5-4)*12)+12) = 24 \\
4. & ((12/(5-4))+12) = 24 \\
5. & ((5-4)*(12+12)) = 24 \\
6. & ((12+12)/(5-4)) = 24 \\
7. & ((5-(12/4))*12) = 24 \\
8. & (4*(5+(12/12))) = 24
\end{aligned}$$

$$1204. [4, 5, 12, 13]$$

$$\begin{aligned}
1. & (((4-5)+13)+12) = 24 \\
2. & (((4-5)+12)+13) = 24 \\
3. & ((4-5)+(13+12)) = 24
\end{aligned}$$

$$\begin{aligned}
4. & (12-((5-4)-13)) = 24 \\
5. & ((13-(5-4))+12) = 24 \\
6. & (13-((5-4)-12)) = 24 \\
7. & ((12-(5-4))+13) = 24 \\
8. & ((13+12)-(5-4)) = 24 \\
9. & (((4+12)-5)+13) = 24 \\
10. & (13-(5-(4+12))) = 24 \\
11. & (((4+12)+13)-5) = 24 \\
12. & ((4+12)-(5-13)) = 24 \\
13. & ((4+12)+(13-5)) = 24 \\
14. & ((13-5)/(4/12)) = 24 \\
15. & ((12/4)*(13-5)) = 24 \\
16. & (((4+13)-5)+12) = 24 \\
17. & (12-(5-(4+13))) = 24 \\
18. & (((4+13)+12)-5) = 24 \\
19. & ((4+13)-(5-12)) = 24 \\
20. & ((4+13)+(12-5)) = 24 \\
21. & ((4-(5-12))+13) = 24 \\
22. & (13-((5-12)-4)) = 24 \\
23. & (4*((5-12)+13)) = 24 \\
24. & (4-((5-12)-13)) = 24 \\
25. & (4+(13-(5-12))) = 24 \\
26. & ((4+(12-5))+13) = 24 \\
27. & (4+((12-5)+13)) = 24 \\
28. & (4*(13-(12-5))) = 24 \\
29. & (4*((5+13)-12)) = 24 \\
30. & ((4-(5-13))+12) = 24 \\
31. & (12-((5-13)-4)) = 24 \\
32. & (4-((5-13)-12)) = 24 \\
33. & (4+(12-(5-13))) = 24 \\
34. & ((4+(13-5))+12) = 24 \\
35. & (12/(4/(13-5))) = 24 \\
36. & (((13-5)/4)*12) = 24 \\
37. & (4+((13-5)+12)) = 24 \\
38. & (((13-5)*12)/4) = 24 \\
39. & ((4-5)+(12+13)) = 24 \\
40. & ((12+13)-(5-4)) = 24 \\
41. & ((4+(12+13))-5) = 24 \\
42. & (4-(5-(12+13))) = 24 \\
43. & (4+((12+13)-5)) = 24 \\
44. & (4*(5-(12-13))) = 24 \\
45. & (4*(5+(13-12))) = 24
\end{aligned}$$

$$1205. [4, 5, 13, 13]$$

$$1. (4*(5+(13/13))) = 24$$

$$1206. [4, 6, 6, 6]$$

$$\begin{aligned}
1. & (((4+6)-6)*6) = 24 \\
2. & (((4-6)+6)*6) = 24
\end{aligned}$$

$$\begin{aligned}
3. & ((6-(6-4))*6) = 24 \\
4. & ((6-4)*(6+6)) = 24 \\
5. & (((4*6)+6)-6) = 24 \\
6. & (((4*6)-6)+6) = 24 \\
7. & (6-(6-(4*6))) = 24 \\
8. & (((4*6)*6)/6) = 24 \\
9. & (((4*6)/6)*6) = 24 \\
10. & (6/(6/(4*6))) = 24 \\
11. & ((4*6)+(6-6)) = 24 \\
12. & ((4*6)-(6-6)) = 24 \\
13. & ((4*6)*(6/6)) = 24 \\
14. & ((4*6)/(6/6)) = 24 \\
15. & (((4/6)*6)*6) = 24 \\
16. & ((4/6)*(6*6)) = 24 \\
17. & (6/((6/4)/6)) = 24 \\
18. & ((6/(6/4))*6) = 24 \\
19. & ((6*6)/(6/4)) = 24 \\
20. & (4*((6+6)-6)) = 24 \\
21. & ((4+(6-6))*6) = 24 \\
22. & ((4-(6-6))*6) = 24 \\
23. & (4*((6-6)+6)) = 24 \\
24. & (4*(6-(6-6))) = 24 \\
25. & ((4*(6*6))/6) = 24 \\
26. & (4*((6*6)/6)) = 24 \\
27. & (4/(6/(6*6))) = 24 \\
28. & ((4*(6/6))*6) = 24 \\
29. & ((4/(6/6))*6) = 24 \\
30. & (6/((6/6)/4)) = 24 \\
31. & (4*((6/6)*6)) = 24 \\
32. & (4/((6/6)/6)) = 24 \\
33. & (4*(6/(6/6))) = 24 \\
34. & (4*(6+(6-6))) = 24 \\
35. & (4*(6*(6/6))) = 24
\end{aligned}$$

$$1207. [4, 6, 6, 7]$$

$$\begin{aligned}
1. & ((4*6)*(7-6)) = 24 \\
2. & ((4*6)/(7-6)) = 24 \\
3. & (6-((4-7)*6)) = 24 \\
4. & (((7-4)*6)+6) = 24 \\
5. & (4*(7-(6/6))) = 24 \\
6. & ((4*(7-6))*6) = 24 \\
7. & ((4/(7-6))*6) = 24 \\
8. & (6/((7-6)/4)) = 24 \\
9. & (4*((7-6)*6)) = 24 \\
10. & (4/((7-6)/6)) = 24 \\
11. & (4*(6/(7-6))) = 24 \\
12. & (4*(6*(7-6))) = 24
\end{aligned}$$

$$1208. [4, 6, 6, 8]$$

1. $((4+6)+8)+6 = 24$
2. $((4+6)+6)+8 = 24$
3. $((4+6)+(8+6)) = 24$
4. $(6/((6-4)/8)) = 24$
5. $((8/(6-4))*6) = 24$
6. $(8/((6-4)/6)) = 24$
7. $((6/(6-4))*8) = 24$
8. $((8*6)/(6-4)) = 24$
9. $((8*6)-(4*6)) = 24$
10. $((4+6)+(6+8)) = 24$
11. $((6*8)/(6-4)) = 24$
12. $((6*8)-(4*6)) = 24$
13. $((4+8)+6)+6 = 24$
14. $((4+8)+(6+6)) = 24$
15. $((6*6)-(4+8)) = 24$
16. $((6+6)/(4/8)) = 24$
17. $((6-(8/4))*6) = 24$
18. $((8/4)*(6+6)) = 24$
19. $((4+(6+6))+8) = 24$
20. $(8/(4/(6+6))) = 24$
21. $((6+6)/4)*8 = 24$
22. $(4+((6+6)+8)) = 24$
23. $((6+6)*8)/4 = 24$
24. $((6*6)-4)-8 = 24$
25. $((6*6)-8)-4 = 24$
26. $((4-(6/6))*8) = 24$
27. $((4+(6+8))+6) = 24$
28. $(4+((6+8)+6)) = 24$
29. $(4+(6+(6+8))) = 24$

1209. [4, 6, 6, 9]

1. $(6-((4-6)*9)) = 24$
2. $((6-4)*9)+6 = 24$
3. $((9-4)*6)-6 = 24$
4. $((4*9)-6)-6 = 24$
5. $((4*9)-(6+6)) = 24$

1210. [4, 6, 6, 10]

1. $((10+6)/(4/6)) = 24$
2. $((6/4)*(10+6)) = 24$
3. $((6+10)/(4/6)) = 24$
4. $((6/4)*(6+10)) = 24$
5. $(6/(4/(6+10))) = 24$
6. $((6+10)/4)*6 = 24$
7. $((6+10)*6)/4 = 24$
8. $((6*(6+10))/4) = 24$

1211. [4, 6, 6, 11]

无解

1212. [4, 6, 6, 12]

1. $(12-((4-6)*6)) = 24$
2. $((6-4)*6)+12 = 24$
3. $((12/(4/6))+6) = 24$
4. $((6/4)*12)+6 = 24$
5. $((6/(4/12))+6) = 24$
6. $((12/4)*6)+6 = 24$
7. $((6*12)/4)+6 = 24$

1213. [4, 6, 6, 13]

无解

1214. [4, 6, 7, 7]

1. $((4+6)+7)+7 = 24$
2. $((4+6)+(7+7)) = 24$
3. $((4*6)+7)-7 = 24$
4. $((4*6)-7)+7 = 24$
5. $(7-(7-(4*6))) = 24$
6. $((4*6)*7)/7 = 24$
7. $((4*6)/7)*7 = 24$
8. $(7/(7/(4*6))) = 24$
9. $((4*6)+(7-7)) = 24$
10. $((4*6)-(7-7)) = 24$
11. $((4*6)*(7/7)) = 24$
12. $((4*6)/(7/7)) = 24$
13. $((4+7)+6)+7 = 24$
14. $((4+7)+7)+6 = 24$
15. $((4+7)-7)*6 = 24$
16. $((4+7)+(6+7)) = 24$
17. $((4-7)+7)*6 = 24$
18. $((7-(7-4))*6) = 24$
19. $((4*7)*6)/7 = 24$
20. $((4*7)/7)*6 = 24$
21. $(6/(7/(4*7))) = 24$
22. $((4*7)*(6/7)) = 24$
23. $((4*7)/(7/6)) = 24$
24. $((4/7)*6)*7 = 24$
25. $((4/7)*7)*6 = 24$
26. $((4/7)*(6*7)) = 24$
27. $(7/((7/4)/6)) = 24$
28. $((6/(7/4))*7) = 24$
29. $(6/((7/4)/7)) = 24$
30. $((7/(7/4))*6) = 24$
31. $((6*7)/(7/4)) = 24$
32. $((4+(6+7))+7) = 24$
33. $(4+((6+7)+7)) = 24$
34. $(4*((6+7)-7)) = 24$
35. $(4*((6-7)+7)) = 24$

36. $(4*(7-(7-6))) = 24$
37. $((4*(6*7))/7) = 24$
38. $(4*((6*7)/7)) = 24$
39. $(4/(7/(6*7))) = 24$
40. $((4*(6/7))*7) = 24$
41. $(4*((6/7)*7)) = 24$
42. $((4/(7/6))*7) = 24$
43. $(7/((7/6)/4)) = 24$
44. $(4/((7/6)/7)) = 24$
45. $(4*(7/(7/6))) = 24$
46. $((4+(7+7))+6) = 24$
47. $(4+(6+(7+7))) = 24$
48. $((4+(7-7))*6) = 24$
49. $((4-(7-7))*6) = 24$
50. $(4*(6+(7-7))) = 24$
51. $(4*(6-(7-7))) = 24$
52. $((4*(7/7))*6) = 24$
53. $((4/(7/7))*6) = 24$
54. $(6/((7/7)/4)) = 24$
55. $(4*(6*(7/7))) = 24$
56. $(4*(6/(7/7))) = 24$
57. $(4/((7/7)/6)) = 24$

1215. [4, 6, 7, 8]

1. $((4+6)-7)*8 = 24$
2. $((4*6)*(8-7)) = 24$
3. $((4*6)/(8-7)) = 24$
4. $((4-7)+6)*8 = 24$
5. $((6-(7-4))*8) = 24$
6. $((4+(6-7))*8) = 24$
7. $((4-(7-6))*8) = 24$
8. $((4*(8-7))*6) = 24$
9. $((4/(8-7))*6) = 24$
10. $(6/((8-7)/4)) = 24$
11. $(4*(6*(8-7))) = 24$
12. $(4*(6/(8-7))) = 24$
13. $(4/((8-7)/6)) = 24$

1216. [4, 6, 7, 9]

1. $((9+7)/(4/6)) = 24$
2. $((6/4)*(9+7)) = 24$
3. $((7+9)/(4/6)) = 24$
4. $((6/4)*(7+9)) = 24$
5. $(6/(4/(7+9))) = 24$
6. $((7+9)/4)*6 = 24$
7. $((6*(7+9))/4) = 24$

1217. [4, 6, 7, 10]

1. $(10-((4-6)*7)) = 24$

2. $((6-4)*7)+10 = 24$
3. $((7-4)*10)-6 = 24$
4. $((4*7)+6)-10 = 24$
5. $((4*7)-10)+6 = 24$
6. $(6-(10-(4*7))) = 24$
7. $((4*7)+(6-10)) = 24$
8. $((4*7)-(10-6)) = 24$
9. $((10-6)*7)-4 = 24$

1218. [4, 6, 7, 11]

无解

1219. [4, 6, 7, 12]

1. $(12/((7-4)/6)) = 24$
2. $((6/(7-4))*12) = 24$
3. $(6/((7-4)/12)) = 24$
4. $((12/(7-4))*6) = 24$
5. $((6*12)/(7-4)) = 24$
6. $((7-(12/4))*6) = 24$

1220. [4, 6, 7, 13]

无解

1221. [4, 6, 8, 8]

1. $(8-((4-6)*8)) = 24$
2. $((6-4)*8)+8 = 24$
3. $((4*6)+8)-8 = 24$
4. $((4*6)-8)+8 = 24$
5. $(8-(8-(4*6))) = 24$
6. $((4*6)*8)/8 = 24$
7. $((4*6)/8)*8 = 24$
8. $(8/(8/(4*6))) = 24$
9. $((4*6)+(8-8)) = 24$
10. $((4*6)-(8-8)) = 24$
11. $((4*6)*(8/8)) = 24$
12. $((4*6)/(8/8)) = 24$
13. $((8+8)/(4/6)) = 24$
14. $((6/4)*(8+8)) = 24$
15. $((4+8)-8)*6 = 24$
16. $((4+8)*(8-6)) = 24$
17. $((4-8)+8)*6 = 24$
18. $((8-(8-4))*6) = 24$
19. $((4*8)*6)/8 = 24$
20. $((4*8)/8)*6 = 24$
21. $(6/(8/(4*8))) = 24$
22. $((4*8)*(6/8)) = 24$
23. $((4*8)/(8/6)) = 24$
24. $((4/8)*6)*8 = 24$
25. $((4/8)*8)*6 = 24$

$$\begin{aligned}
26. & ((4/8)*(6*8)) = 24 \\
27. & (8/((8/4)/6)) = 24 \\
28. & ((6/(8/4))*8) = 24 \\
29. & (6/((8/4)/8)) = 24 \\
30. & ((8/(8/4))*6) = 24 \\
31. & ((6*8)/(8/4)) = 24 \\
32. & (4*((6+8)-8)) = 24 \\
33. & (4*((6-8)+8)) = 24 \\
34. & (4*(8-(8-6))) = 24 \\
35. & (((4*(6*8))/8) = 24 \\
36. & (4*((6*8)/8)) = 24 \\
37. & (4/(8/(6*8))) = 24 \\
38. & ((4*(6/8))*8) = 24 \\
39. & (4*((6/8)*8)) = 24 \\
40. & ((4/(8/6))*8) = 24 \\
41. & (8/((8/6)/4)) = 24 \\
42. & (4/((8/6)/8)) = 24 \\
43. & (4*(8/(8/6))) = 24 \\
44. & (6/(4/(8+8))) = 24 \\
45. & (((8+8)/4)*6) = 24 \\
46. & ((6*(8+8))/4) = 24 \\
47. & ((4+(8-8))*6) = 24 \\
48. & ((4-(8-8))*6) = 24 \\
49. & (4*(6+(8-8))) = 24 \\
50. & (4*(6-(8-8))) = 24 \\
51. & ((4*(8/8))*6) = 24 \\
52. & ((4/(8/8))*6) = 24 \\
53. & (6/((8/8)/4)) = 24 \\
54. & (4*(6*(8/8))) = 24 \\
55. & (4*(6/(8/8))) = 24 \\
56. & (4/((8/8)/6)) = 24
\end{aligned}$$

1222. [4, 6, 8, 9]

$$\begin{aligned}
1. & ((4*6)*(9-8)) = 24 \\
2. & ((4*6)/(9-8)) = 24 \\
3. & ((9/(4/8))+6) = 24 \\
4. & (((8/4)*9)+6) = 24 \\
5. & ((8/(4/9))+6) = 24 \\
6. & (((9/4)*8)+6) = 24 \\
7. & ((4-(8/6))*9) = 24 \\
8. & ((4*(9-8))*6) = 24 \\
9. & ((4/(9-8))*6) = 24 \\
10. & (6/((9-8)/4)) = 24 \\
11. & (4*(6*(9-8))) = 24 \\
12. & (4*(6/(9-8))) = 24 \\
13. & (4/((9-8)/6)) = 24 \\
14. & (((8*9)/4)+6) = 24
\end{aligned}$$

1223. [4, 6, 8, 10]

$$\begin{aligned}
1. & (4-((6-8)*10)) = 24 \\
2. & (4+((8-6)*10)) = 24 \\
3. & (8-(4*(6-10))) = 24 \\
4. & ((4*(10-6))+8) = 24
\end{aligned}$$

1224. [4, 6, 8, 11]

无解

1225. [4, 6, 8, 12]

$$\begin{aligned}
1. & (((4+6)-8)*12) = 24 \\
2. & ((8/(4/6))+12) = 24 \\
3. & (((6/4)*8)+12) = 24 \\
4. & (((4+8)/6)*12) = 24 \\
5. & (12/(6/(4+8))) = 24 \\
6. & (((4+8)*12)/6) = 24 \\
7. & ((4+8)/(6/12)) = 24 \\
8. & ((4+8)*(12/6)) = 24 \\
9. & (((4-8)+6)*12) = 24 \\
10. & ((4-8)*(6-12)) = 24 \\
11. & ((6-(8-4))*12) = 24 \\
12. & ((8-4)*(12-6)) = 24 \\
13. & ((6/(4/8))+12) = 24 \\
14. & (((8/4)*6)+12) = 24 \\
15. & ((4*12)/(8-6)) = 24 \\
16. & ((6-(12/4))*8) = 24 \\
17. & ((4+(6-8))*12) = 24 \\
18. & ((4-(8-6))*12) = 24 \\
19. & ((4/(8-6))*12) = 24 \\
20. & (12/((8-6)/4)) = 24 \\
21. & (4/((8-6)/12)) = 24 \\
22. & (4*(12/(8-6))) = 24 \\
23. & (((6*8)/4)+12) = 24 \\
24. & (4*(8-(12/6))) = 24
\end{aligned}$$

1226. [4, 6, 8, 13]

$$\begin{aligned}
1. & ((13-(4+6))*8) = 24 \\
2. & (((13-4)-6)*8) = 24 \\
3. & (((13-6)-4)*8) = 24
\end{aligned}$$

1227. [4, 6, 9, 9]

$$\begin{aligned}
1. & (((4*6)+9)-9) = 24 \\
2. & (((4*6)-9)+9) = 24 \\
3. & (9-(9-(4*6))) = 24 \\
4. & (((4*6)*9)/9) = 24 \\
5. & (((4*6)/9)*9) = 24 \\
6. & (9/(9/(4*6))) = 24 \\
7. & ((4*6)+(9-9)) = 24 \\
8. & ((4*6)-(9-9)) = 24 \\
9. & ((4*6)*(9/9)) = 24
\end{aligned}$$

$$\begin{aligned}
10. & ((4*6)/(9/9)) = 24 \\
11. & (((4+9)-9)*6) = 24 \\
12. & (((4-9)+9)*6) = 24 \\
13. & ((9-(9-4))*6) = 24 \\
14. & (((4*9)*6)/9) = 24 \\
15. & (((4*9)/9)*6) = 24 \\
16. & (6/(9/(4*9))) = 24 \\
17. & ((4*9)*(6/9)) = 24 \\
18. & ((4*9)/(9/6)) = 24 \\
19. & (((4/9)*6)*9) = 24 \\
20. & (((4/9)*9)*6) = 24 \\
21. & ((4/9)*(6*9)) = 24 \\
22. & (9/((9/4)/6)) = 24 \\
23. & ((6/(9/4))*9) = 24 \\
24. & (6/((9/4)/9)) = 24 \\
25. & ((9/(9/4))*6) = 24 \\
26. & ((6*9)/(9/4)) = 24 \\
27. & (4*((6+9)-9)) = 24 \\
28. & (4*((6-9)+9)) = 24 \\
29. & (4*(9-(9-6))) = 24 \\
30. & ((4*(6*9))/9) = 24 \\
31. & (4*((6*9)/9)) = 24 \\
32. & (4/(9/(6*9))) = 24 \\
33. & ((4*(6/9))*9) = 24 \\
34. & (4*((6/9)*9)) = 24 \\
35. & ((4/(9/6))*9) = 24 \\
36. & (9/((9/6)/4)) = 24 \\
37. & (4/((9/6)/9)) = 24 \\
38. & (4*(9/(9/6))) = 24 \\
39. & ((4+(9-9))*6) = 24 \\
40. & ((4-(9-9))*6) = 24 \\
41. & (4*(6+(9-9))) = 24 \\
42. & (4*(6-(9-9))) = 24 \\
43. & ((4*(9/9))*6) = 24 \\
44. & ((4/(9/9))*6) = 24 \\
45. & (6/((9/9)/4)) = 24 \\
46. & (4*(6*(9/9))) = 24 \\
47. & (4*(6/(9/9))) = 24 \\
48. & (4/((9/9)/6)) = 24
\end{aligned}$$

1228. [4, 6, 9, 10]

$$\begin{aligned}
1. & ((4*6)*(10-9)) = 24 \\
2. & ((4*6)/(10-9)) = 24 \\
3. & ((10/(4/6))+9) = 24 \\
4. & (((6/4)*10)+9) = 24 \\
5. & ((6*10)-(4*9)) = 24 \\
6. & ((6/(4/10))+9) = 24 \\
7. & (((10/4)*6)+9) = 24 \\
8. & (((6*10)/4)+9) = 24
\end{aligned}$$

$$\begin{aligned}
9. & ((4*(10-9))*6) = 24 \\
10. & ((4/(10-9))*6) = 24 \\
11. & (6/((10-9)/4)) = 24 \\
12. & (4*(6*(10-9))) = 24 \\
13. & (4*(6/(10-9))) = 24 \\
14. & (4/((10-9)/6)) = 24 \\
15. & ((6+(9*10))/4) = 24
\end{aligned}$$

1229. [4, 6, 9, 11]

无解

1230. [4, 6, 9, 12]

$$\begin{aligned}
1. & (((4+12)/6)*9) = 24 \\
2. & (9/(6/(4+12))) = 24 \\
3. & (((4+12)*9)/6) = 24 \\
4. & ((4+12)/(6/9)) = 24 \\
5. & ((4+12)*(9/6)) = 24 \\
6. & ((4-12)*(6-9)) = 24 \\
7. & ((12-4)*(9-6)) = 24 \\
8. & (12-(4*(6-9))) = 24 \\
9. & ((4*(9-6))+12) = 24
\end{aligned}$$

1231. [4, 6, 9, 13]

$$\begin{aligned}
1. & (9-((4-6)-13)) = 24 \\
2. & ((13-(4-6))+9) = 24 \\
3. & (13-((4-6)-9)) = 24 \\
4. & ((9-(4-6))+13) = 24 \\
5. & ((13+9)-(4-6)) = 24 \\
6. & (((6-4)+13)+9) = 24 \\
7. & (((6-4)+9)+13) = 24 \\
8. & ((6-4)+(13+9)) = 24 \\
9. & (13-((4-9)-6)) = 24 \\
10. & ((6-(4-9))+13) = 24 \\
11. & (6-((4-9)-13)) = 24 \\
12. & ((13-(4-9))+6) = 24 \\
13. & ((6+13)-(4-9)) = 24 \\
14. & (((9-4)+6)+13) = 24 \\
15. & (((9-4)+13)+6) = 24 \\
16. & ((9-4)+(6+13)) = 24 \\
17. & (9-((4-13)-6)) = 24 \\
18. & ((6-(4-13))+9) = 24 \\
19. & (6-((4-13)-9)) = 24 \\
20. & ((9-(4-13))+6) = 24 \\
21. & ((6+9)-(4-13)) = 24 \\
22. & (((13-4)+6)+9) = 24 \\
23. & (((13-4)+9)+6) = 24 \\
24. & ((13-4)+(6+9)) = 24 \\
25. & (13-(4-(6+9))) = 24 \\
26. & (((6+9)-4)+13) = 24
\end{aligned}$$

$$\begin{aligned}
27. & (((6+9)+13)-4) = 24 \\
28. & (9-(4-(6+13))) = 24 \\
29. & (((6+13)-4)+9) = 24 \\
30. & (((6+13)+9)-4) = 24 \\
31. & ((9+13)-(4-6)) = 24 \\
32. & ((6-4)+(9+13)) = 24 \\
33. & (6-(4-(9+13))) = 24 \\
34. & (((9+13)-4)+6) = 24 \\
35. & ((6+(9+13))-4) = 24
\end{aligned}$$

$$1232. [4, 6, 10, 10]$$

$$\begin{aligned}
1. & (((4*6)+10)-10) = 24 \\
2. & (((4*6)-10)+10) = 24 \\
3. & (10-(10-(4*6))) = 24 \\
4. & (((4*6)*10)/10) = 24 \\
5. & (((4*6)/10)*10) = 24 \\
6. & (10/(10/(4*6))) = 24 \\
7. & ((4*6)+(10-10)) = 24 \\
8. & ((4*6)-(10-10)) = 24 \\
9. & ((4*6)*(10/10)) = 24 \\
10. & ((4*6)/(10/10)) = 24 \\
11. & (((4+10)-10)*6) = 24 \\
12. & (((4-10)+10)*6) = 24 \\
13. & ((4-10)*(6-10)) = 24 \\
14. & ((10-(10-4))*6) = 24 \\
15. & ((10-4)*(10-6)) = 24 \\
16. & (((4*10)-6)-10) = 24 \\
17. & (((4*10)*6)/10) = 24 \\
18. & (((4*10)-10)-6) = 24 \\
19. & (((4*10)/10)*6) = 24 \\
20. & (6/(10/(4*10))) = 24 \\
21. & ((4*10)-(6+10)) = 24 \\
22. & ((4*10)*(6/10)) = 24 \\
23. & ((4*10)/(10/6)) = 24 \\
24. & (((4/10)*6)*10) = 24 \\
25. & (((4/10)*10)*6) = 24 \\
26. & ((4/10)*(6*10)) = 24 \\
27. & (10/((10/4)/6)) = 24 \\
28. & ((6/(10/4))*10) = 24 \\
29. & (6/((10/4)/10)) = 24 \\
30. & ((10/(10/4))*6) = 24 \\
31. & ((6*10)/(10/4)) = 24 \\
32. & (4*((6+10)-10)) = 24 \\
33. & (4*((6-10)+10)) = 24 \\
34. & (4*(10-(10-6))) = 24 \\
35. & ((4*(6*10))/10) = 24 \\
36. & (4*((6*10)/10)) = 24 \\
37. & (4/(10/(6*10))) = 24 \\
38. & ((4*(6/10))*10) = 24
\end{aligned}$$

$$\begin{aligned}
39. & (4*((6/10)*10)) = 24 \\
40. & ((4/(10/6))*10) = 24 \\
41. & (10/((10/6)/4)) = 24 \\
42. & (4/((10/6)/10)) = 24 \\
43. & (4*(10/(10/6))) = 24 \\
44. & ((4+(10-10))*6) = 24 \\
45. & ((4-(10-10))*6) = 24 \\
46. & (4*(6+(10-10))) = 24 \\
47. & (4*(6-(10-10))) = 24 \\
48. & ((4*(10/10))*6) = 24 \\
49. & ((4/(10/10))*6) = 24 \\
50. & (6/((10/10)/4)) = 24 \\
51. & (4*(6*(10/10))) = 24 \\
52. & (4*(6/(10/10))) = 24 \\
53. & (4/((10/10)/6)) = 24
\end{aligned}$$

$$1233. [4, 6, 10, 11]$$

$$\begin{aligned}
1. & ((4*6)*(11-10)) = 24 \\
2. & ((4*6)/(11-10)) = 24 \\
3. & ((4*(11-10))*6) = 24 \\
4. & ((4/(11-10))*6) = 24 \\
5. & (6/((11-10)/4)) = 24 \\
6. & (4*(6*(11-10))) = 24 \\
7. & (4*(6/(11-10))) = 24 \\
8. & (4/((11-10)/6)) = 24
\end{aligned}$$

$$1234. [4, 6, 10, 12]$$

$$\begin{aligned}
1. & (10-((4-6)-12)) = 24 \\
2. & ((12-(4-6))+10) = 24 \\
3. & (12-((4-6)-10)) = 24 \\
4. & ((10-(4-6))+12) = 24 \\
5. & ((12+10)-(4-6)) = 24 \\
6. & (((6-4)+12)+10) = 24 \\
7. & (((6-4)+10)+12) = 24 \\
8. & ((6-4)+(12+10)) = 24 \\
9. & (12-((4-10)-6)) = 24 \\
10. & ((6-(4-10))+12) = 24 \\
11. & (6-((4-10)-12)) = 24 \\
12. & ((12-(4-10))+6) = 24 \\
13. & ((6+12)-(4-10)) = 24 \\
14. & (((10-4)+6)+12) = 24 \\
15. & (((10-4)*6)-12) = 24 \\
16. & (((10-4)+12)+6) = 24 \\
17. & ((10-4)+(6+12)) = 24 \\
18. & ((12/(4/10))-6) = 24 \\
19. & (((10/4)*12)-6) = 24 \\
20. & (10-((4-12)-6)) = 24 \\
21. & ((6-(4-12))+10) = 24 \\
22. & (6-((4-12)-10)) = 24
\end{aligned}$$

$$\begin{aligned}
23. & ((10-(4-12))+6) = 24 \\
24. & ((6+10)-(4-12)) = 24 \\
25. & (((12-4)+6)+10) = 24 \\
26. & (((12-4)+10)+6) = 24 \\
27. & ((12-4)+(6+10)) = 24 \\
28. & ((10/(4/12))-6) = 24 \\
29. & (((12/4)*10)-6) = 24 \\
30. & (12-(4-(6+10))) = 24 \\
31. & (((6+10)-4)+12) = 24 \\
32. & (((6+10)+12)-4) = 24 \\
33. & (4+(12/(6/10))) = 24 \\
34. & (4+((10/6)*12)) = 24 \\
35. & (10-(4-(6+12))) = 24 \\
36. & (((6+12)-4)+10) = 24 \\
37. & (((6+12)+10)-4) = 24 \\
38. & (4+(10/(6/12))) = 24 \\
39. & (4+((12/6)*10)) = 24 \\
40. & ((10+12)-(4-6)) = 24 \\
41. & ((6-4)+(10+12)) = 24 \\
42. & (6-(4-(10+12))) = 24 \\
43. & (((10+12)-4)+6) = 24 \\
44. & ((6+(10+12))-4) = 24 \\
45. & (((10*12)/4)-6) = 24 \\
46. & (4+((10*12)/6)) = 24
\end{aligned}$$

$$1235. [4, 6, 10, 13]$$

无解

$$1236. [4, 6, 11, 11]$$

$$\begin{aligned}
1. & (11-((4-6)-11)) = 24 \\
2. & ((11-(4-6))+11) = 24 \\
3. & ((11+11)-(4-6)) = 24 \\
4. & (((6-4)+11)+11) = 24 \\
5. & ((6-4)+(11+11)) = 24 \\
6. & (((4*6)+11)-11) = 24 \\
7. & (((4*6)-11)+11) = 24 \\
8. & (11-(11-(4*6))) = 24 \\
9. & (((4*6)*11)/11) = 24 \\
10. & (((4*6)/11)*11) = 24 \\
11. & (11/(11/(4*6))) = 24 \\
12. & ((4*6)+(11-11)) = 24 \\
13. & ((4*6)-(11-11)) = 24 \\
14. & ((4*6)*(11/11)) = 24 \\
15. & ((4*6)/(11/11)) = 24 \\
16. & (((4+11)-11)*6) = 24 \\
17. & (11-((4-11)-6)) = 24 \\
18. & ((6-(4-11))+11) = 24 \\
19. & (((4-11)+11)*6) = 24 \\
20. & (6-((4-11)-11)) = 24
\end{aligned}$$

$$\begin{aligned}
21. & ((11-(4-11))+6) = 24 \\
22. & ((6+11)-(4-11)) = 24 \\
23. & (((11-4)+6)+11) = 24 \\
24. & (((11-4)+11)+6) = 24 \\
25. & ((11-(11-4))*6) = 24 \\
26. & ((11-4)+(6+11)) = 24 \\
27. & (((4*11)*6)/11) = 24 \\
28. & (((4*11)/11)*6) = 24 \\
29. & (6/(11/(4*11))) = 24 \\
30. & ((4*11)*(6/11)) = 24 \\
31. & ((4*11)/(11/6)) = 24 \\
32. & (((4/11)*6)*11) = 24 \\
33. & (((4/11)*11)*6) = 24 \\
34. & ((4/11)*(6*11)) = 24 \\
35. & (11/((11/4)/6)) = 24 \\
36. & (6/(11/4))*11 = 24 \\
37. & (6/((11/4)/11)) = 24 \\
38. & ((11/(11/4))*6) = 24 \\
39. & ((6*11)/(11/4)) = 24 \\
40. & (11-(4-(6+11))) = 24 \\
41. & (((6+11)-4)+11) = 24 \\
42. & (((6+11)+11)-4) = 24 \\
43. & (4*((6+11)-11)) = 24 \\
44. & (4*((6-11)+11)) = 24 \\
45. & (4*(11-(11-6))) = 24 \\
46. & ((4*(6*11))/11) = 24 \\
47. & (4*((6*11)/11)) = 24 \\
48. & (4/(11/(6*11))) = 24 \\
49. & ((4*(6/11))*11) = 24 \\
50. & (4*((6/11)*11)) = 24 \\
51. & ((4/(11/6))*11) = 24 \\
52. & (11/((11/6)/4)) = 24 \\
53. & (4/((11/6)/11)) = 24 \\
54. & (4*(11/(11/6))) = 24 \\
55. & (6-(4-(11+11))) = 24 \\
56. & (((11+11)-4)+6) = 24 \\
57. & ((6+(11+11))-4) = 24 \\
58. & ((4+(11-11))*6) = 24 \\
59. & ((4-(11-11))*6) = 24 \\
60. & (4*(6+(11-11))) = 24 \\
61. & (4*(6-(11-11))) = 24 \\
62. & ((4*(11/11))*6) = 24 \\
63. & ((4/(11/11))*6) = 24 \\
64. & (6/((11/11)/4)) = 24 \\
65. & (4*(6*(11/11))) = 24 \\
66. & (4*(6/(11/11))) = 24 \\
67. & (4/((11/11)/6)) = 24
\end{aligned}$$

$$1237. [4, 6, 11, 12]$$

1. $((4*6)*(12-11)) = 24$
2. $((4*6)/(12-11)) = 24$
3. $((4*(12-11))*6) = 24$
4. $((4/(12-11))*6) = 24$
5. $(6/((12-11)/4)) = 24$
6. $(4*(6*(12-11))) = 24$
7. $(4*(6/(12-11))) = 24$
8. $(4/((12-11)/6)) = 24$

1238. [4, 6, 11, 13]

无解

1239. [4, 6, 12, 12]

1. $((12-(4+6))*12) = 24$
2. $((((4*6)+12)-12) = 24$
3. $((((4*6)-12)+12) = 24$
4. $(12-(12-(4*6))) = 24$
5. $((((4*6)*12)/12) = 24$
6. $((((4*6)/12)*12) = 24$
7. $(12/(12/(4*6))) = 24$
8. $((4*6)+(12-12)) = 24$
9. $((4*6)-(12-12)) = 24$
10. $((4*6)*(12/12)) = 24$
11. $((4*6)/(12/12)) = 24$
12. $((((4+12)-12)*6) = 24$
13. $((((4-12)+12)*6) = 24$
14. $((((12-4)-6)*12) = 24$
15. $((12-(12-4))*6) = 24$
16. $((((4*12)*6)/12) = 24$
17. $((((4*12)/12)*6) = 24$
18. $(6/(12/(4*12))) = 24$
19. $((6*12)-(4*12)) = 24$
20. $((4*12)*(6/12)) = 24$
21. $((4*12)/(12/6)) = 24$
22. $((((4/12)*6)*12) = 24$
23. $((((4/12)*12)*6) = 24$
24. $((4/12)*(6*12)) = 24$
25. $(12/((12/4)/6)) = 24$
26. $((6/(12/4))*12) = 24$
27. $(6/((12/4)/12)) = 24$
28. $((12/(12/4))*6) = 24$
29. $((6*12)/(12/4)) = 24$
30. $(4*((6+12)-12)) = 24$
31. $(4*((6-12)+12)) = 24$
32. $((((12-6)-4)*12) = 24$
33. $(4*(12-(12-6))) = 24$
34. $((4*(6*12))/12) = 24$
35. $(4*((6*12)/12)) = 24$
36. $(4/(12/(6*12))) = 24$

37. $((4*(6/12))*12) = 24$
38. $(4*((6/12)*12)) = 24$
39. $((4-(12/6))*12) = 24$
40. $((4/(12/6))*12) = 24$
41. $(12/((12/6)/4)) = 24$
42. $(4/((12/6)/12)) = 24$
43. $(4*(12/(12/6))) = 24$
44. $((4+(12-12))*6) = 24$
45. $((4-(12-12))*6) = 24$
46. $(4*(6+(12-12))) = 24$
47. $(4*(6-(12-12))) = 24$
48. $((4*(12/12))*6) = 24$
49. $((4/(12/12))*6) = 24$
50. $(6/((12/12)/4)) = 24$
51. $(4*(6*(12/12))) = 24$
52. $(4*(6/(12/12))) = 24$
53. $(4/((12/12)/6)) = 24$

1240. [4, 6, 12, 13]

1. $((4*6)*(13-12)) = 24$
2. $((4*6)/(13-12)) = 24$
3. $((4*(13-12))*6) = 24$
4. $((4/(13-12))*6) = 24$
5. $(6/((13-12)/4)) = 24$
6. $(4*(6*(13-12))) = 24$
7. $(4*(6/(13-12))) = 24$
8. $(4/((13-12)/6)) = 24$

1241. [4, 6, 13, 13]

1. $((((4-6)+13)+13) = 24$
2. $((4-6)+(13+13)) = 24$
3. $(13-((6-4)-13)) = 24$
4. $((13-(6-4))+13) = 24$
5. $((13+13)-(6-4)) = 24$
6. $((((4*6)+13)-13) = 24$
7. $((((4*6)-13)+13) = 24$
8. $(13-(13-(4*6))) = 24$
9. $((((4*6)*13)/13) = 24$
10. $((((4*6)/13)*13) = 24$
11. $(13/(13/(4*6))) = 24$
12. $((4*6)+(13-13)) = 24$
13. $((4*6)-(13-13)) = 24$
14. $((4*6)*(13/13)) = 24$
15. $((4*6)/(13/13)) = 24$
16. $((((4+13)-6)+13) = 24$
17. $(13-(6-(4+13))) = 24$
18. $((((4+13)+13)-6) = 24$
19. $((((4+13)-13)*6) = 24$
20. $((4+13)-(6-13)) = 24$

21. $((4+13)+(13-6)) = 24$
22. $((((4-13)+13)*6) = 24$
23. $((13-(13-4))*6) = 24$
24. $((((4*13)*6)/13) = 24$
25. $((((4*13)/13)*6) = 24$
26. $(6/(13/(4*13))) = 24$
27. $((4*13)*(6/13)) = 24$
28. $((4*13)/(13/6)) = 24$
29. $((((4/13)*6)*13) = 24$
30. $((((4/13)*13)*6) = 24$
31. $((4/13)*(6*13)) = 24$
32. $(13/((13/4)/6)) = 24$
33. $((6/(13/4))*13) = 24$
34. $(6/((13/4)/13)) = 24$
35. $((13/(13/4))*6) = 24$
36. $((6*13)/(13/4)) = 24$
37. $(4*((6+13)-13)) = 24$
38. $((4-(6-13))+13) = 24$
39. $(13-((6-13)-4)) = 24$
40. $(4*((6-13)+13)) = 24$
41. $(4-((6-13)-13)) = 24$
42. $(4+(13-(6-13))) = 24$
43. $((4+(13-6))+13) = 24$
44. $(4+((13-6)+13)) = 24$
45. $(4*(13-(13-6))) = 24$
46. $((4*(6*13))/13) = 24$
47. $(4*((6*13)/13)) = 24$
48. $(4/(13/(6*13))) = 24$
49. $((4*(6/13))*13) = 24$
50. $(4*((6/13)*13)) = 24$
51. $((4/(13/6))*13) = 24$
52. $(13/((13/6)/4)) = 24$
53. $(4/((13/6)/13)) = 24$
54. $(4*(13/(13/6))) = 24$
55. $((4+(13+13))-6) = 24$
56. $(4-(6-(13+13))) = 24$
57. $(4+((13+13)-6)) = 24$
58. $((4+(13-13))*6) = 24$
59. $((4-(13-13))*6) = 24$
60. $(4*(6+(13-13))) = 24$
61. $(4*(6-(13-13))) = 24$
62. $((4*(13/13))*6) = 24$
63. $((4/(13/13))*6) = 24$
64. $(6/((13/13)/4)) = 24$
65. $(4*(6*(13/13))) = 24$
66. $(4*(6/(13/13))) = 24$
67. $(4/((13/13)/6)) = 24$

1242. [4, 7, 7, 7]

1. $(4*(7-(7/7))) = 24$

1243. [4, 7, 7, 8]

1. $(4*((7+7)-8)) = 24$
2. $((4-(7/7))*8) = 24$
3. $(4*((7-8)+7)) = 24$
4. $(4*(7-(8-7))) = 24$
5. $(4*(7+(7-8))) = 24$

1244. [4, 7, 7, 9]

无解

1245. [4, 7, 7, 10]

无解

1246. [4, 7, 7, 11]

1. $((((4*7)-11)+7) = 24$
2. $(7-(11-(4*7))) = 24$
3. $((((4*7)+7)-11) = 24$
4. $((4*7)-(11-7)) = 24$
5. $((4*7)+(7-11)) = 24$
6. $((((11-7)*7)-4) = 24$
7. $((7*(11-7))-4) = 24$

1247. [4, 7, 7, 12]

无解

1248. [4, 7, 7, 13]

无解

1249. [4, 7, 8, 8]

1. $((((4+7)-8)*8) = 24$
2. $((((4-8)+7)*8) = 24$
3. $((7-(8-4))*8) = 24$
4. $((7*8)-(4*8)) = 24$
5. $((4+(7-8))*8) = 24$
6. $((4-(8-7))*8) = 24$
7. $(4*(7-(8/8))) = 24$

1250. [4, 7, 8, 9]

1. $(8/((7-4)/9)) = 24$
2. $((9/(7-4))*8) = 24$
3. $(9/((7-4)/8)) = 24$
4. $((8/(7-4))*9) = 24$
5. $((9*8)/(7-4)) = 24$
6. $((4+8)*(9-7)) = 24$
7. $(4*((7+8)-9)) = 24$
8. $(4*((7-9)+8)) = 24$
9. $(4*(8-(9-7))) = 24$

10. $(4*(7+(8-9))) = 24$
 11. $(4*(7-(9-8))) = 24$
 12. $((8*9)/(7-4)) = 24$

1251. [4, 7, 8, 10]
 1. $((8/(4/7))+10) = 24$
 2. $((((7/4)*8)+10) = 24$
 3. $((7/(4/8))+10) = 24$
 4. $((((8/4)*7)+10) = 24$
 5. $((((7*8)/4)+10) = 24$

1252. [4, 7, 8, 11]
 1. $(8-(4*(7-11))) = 24$
 2. $((4*(11-7))+8) = 24$

1253. [4, 7, 8, 12]
 1. $((((4*7)-12)+8) = 24$
 2. $(8-(12-(4*7))) = 24$
 3. $((((4*7)+8)-12) = 24$
 4. $((4*7)-(12-8)) = 24$
 5. $((4*7)+(8-12)) = 24$
 6. $((7*(12-8))-4) = 24$

1254. [4, 7, 8, 13]
 1. $(8-((4-7)-13)) = 24$
 2. $((13-(4-7))+8) = 24$
 3. $(13-((4-7)-8)) = 24$
 4. $((8-(4-7))+13) = 24$
 5. $((13+8)-(4-7)) = 24$
 6. $((((7-4)+13)+8) = 24$
 7. $((((7-4)+8)+13) = 24$
 8. $((7-4)+(13+8)) = 24$
 9. $(13-((4-8)-7)) = 24$
 10. $((7-(4-8))+13) = 24$
 11. $(7-((4-8)-13)) = 24$
 12. $((13-(4-8))+7) = 24$
 13. $((7+13)-(4-8)) = 24$
 14. $((4-8)*(7-13)) = 24$
 15. $((((8-4)+7)+13) = 24$
 16. $((((8-4)+13)+7) = 24$
 17. $((8-4)+(7+13)) = 24$
 18. $((8-4)*(13-7)) = 24$
 19. $(8-((4-13)-7)) = 24$
 20. $((7-(4-13))+8) = 24$
 21. $(7-((4-13)-8)) = 24$
 22. $((8-(4-13))+7) = 24$
 23. $((7+8)-(4-13)) = 24$
 24. $((((13-4)+7)+8) = 24$
 25. $((((13-4)+8)+7) = 24$

26. $((13-4)+(7+8)) = 24$
 27. $(13-(4-(7+8))) = 24$
 28. $((((7+8)-4)+13) = 24$
 29. $((((7+8)+13)-4) = 24$
 30. $(8-(4-(7+13))) = 24$
 31. $((((7+13)-4)+8) = 24$
 32. $((((7+13)+8)-4) = 24$
 33. $((8+13)-(4-7)) = 24$
 34. $((7-4)+(8+13)) = 24$
 35. $(7-(4-(8+13))) = 24$
 36. $((8+13)-4)+7) = 24$
 37. $((7+(8+13))-4) = 24$

1255. [4, 7, 9, 9]
 1. $(4*(7-(9/9))) = 24$

1256. [4, 7, 9, 10]
 1. $((((4*10)-7)-9) = 24$
 2. $((((4*10)-9)-7) = 24$
 3. $((4*10)-(7+9)) = 24$
 4. $(4*((7+9)-10)) = 24$
 5. $(4-((7-9)*10)) = 24$
 6. $(4+((9-7)*10)) = 24$
 7. $(4*((7-10)+9)) = 24$
 8. $(4*(9-(10-7))) = 24$
 9. $(4*(7+(9-10))) = 24$
 10. $(4*(7-(10-9))) = 24$

1257. [4, 7, 9, 11]
 1. $((((7-4)*11)-9) = 24$
 2. $((((9-4)*7)-11) = 24$

1258. [4, 7, 9, 12]
 1. $((((4+7)-9)*12) = 24$
 2. $(9-((4-7)-12)) = 24$
 3. $((12-(4-7))+9) = 24$
 4. $(12-((4-7)-9)) = 24$
 5. $((9-(4-7))+12) = 24$
 6. $((12+9)-(4-7)) = 24$
 7. $((((7-4)+12)+9) = 24$
 8. $((((7-4)+9)+12) = 24$
 9. $((7-4)+(12+9)) = 24$
 10. $((((4-9)+7)*12) = 24$
 11. $(12-((4-9)-7)) = 24$
 12. $((7-(4-9))+12) = 24$
 13. $(7-((4-9)-12)) = 24$
 14. $((12-(4-9))+7) = 24$
 15. $((7+12)-(4-9)) = 24$
 16. $((9-4)+7)+12) = 24$

17. $((7-(9-4))*12) = 24$
 18. $((9-4)+12)+7) = 24$
 19. $((9-4)+(7+12)) = 24$
 20. $(9-((4-12)-7)) = 24$
 21. $((7-(4-12))+9) = 24$
 22. $(7-((4-12)-9)) = 24$
 23. $((9-(4-12))+7) = 24$
 24. $((7+9)-(4-12)) = 24$
 25. $((12-4)+7)+9) = 24$
 26. $((12-4)+9)+7) = 24$
 27. $((12-4)+(7+9)) = 24$
 28. $((4*12)/(9-7)) = 24$
 29. $(12-(4-(7+9))) = 24$
 30. $((7+9)-4)+12) = 24$
 31. $((7+9)+12)-4) = 24$
 32. $((4+(7-9))*12) = 24$
 33. $((4-(9-7))*12) = 24$
 34. $((4/(9-7))*12) = 24$
 35. $(12/((9-7)/4)) = 24$
 36. $(4/((9-7)/12)) = 24$
 37. $(4*(12/(9-7))) = 24$
 38. $(9-(4-(7+12))) = 24$
 39. $((7+12)-4)+9) = 24$
 40. $((7+12)+9)-4) = 24$
 41. $((9+12)-(4-7)) = 24$
 42. $((7-4)+(9+12)) = 24$
 43. $(7-(4-(9+12))) = 24$
 44. $((9+12)-4)+7) = 24$
 45. $((7+(9+12))-4) = 24$

1259. [4, 7, 9, 13]
 1. $((((4*7)-13)+9) = 24$
 2. $(9-(13-(4*7))) = 24$
 3. $((((4*7)+9)-13) = 24$
 4. $((4*7)-(13-9)) = 24$
 5. $((4*7)+(9-13)) = 24$
 6. $((7*(13-9))-4) = 24$

1260. [4, 7, 10, 10]
 1. $(4*(7-(10/10))) = 24$

1261. [4, 7, 10, 11]
 1. $(10-((4-7)-11)) = 24$
 2. $((11-(4-7))+10) = 24$
 3. $(11-((4-7)-10)) = 24$
 4. $((10-(4-7))+11) = 24$
 5. $((11+10)-(4-7)) = 24$
 6. $((7-4)+11)+10) = 24$
 7. $((7-4)+10)+11) = 24$

8. $((7-4)+(11+10)) = 24$
 9. $(11-((4-10)-7)) = 24$
 10. $((7-(4-10))+11) = 24$
 11. $(7-((4-10)-11)) = 24$
 12. $((11-(4-10))+7) = 24$
 13. $((7+11)-(4-10)) = 24$
 14. $((4-10)*(7-11)) = 24$
 15. $((10-4)+7)+11) = 24$
 16. $((10-4)+11)+7) = 24$
 17. $((10-4)+(7+11)) = 24$
 18. $((10-4)*(11-7)) = 24$
 19. $(10-((4-11)-7)) = 24$
 20. $((7-(4-11))+10) = 24$
 21. $(7-((4-11)-10)) = 24$
 22. $((10-(4-11))+7) = 24$
 23. $((7+10)-(4-11)) = 24$
 24. $((11-4)+7)+10) = 24$
 25. $((11-4)+10)+7) = 24$
 26. $((11-4)+(7+10)) = 24$
 27. $(11-(4-(7+10))) = 24$
 28. $((7+10)-4)+11) = 24$
 29. $((7+10)+11)-4) = 24$
 30. $(4*((7+10)-11)) = 24$
 31. $(10-(4-(7+11))) = 24$
 32. $((7+11)-4)+10) = 24$
 33. $((7+11)+10)-4) = 24$
 34. $(4*((7-11)+10)) = 24$
 35. $(4*(10-(11-7))) = 24$
 36. $((10+11)-(4-7)) = 24$
 37. $((7-4)+(10+11)) = 24$
 38. $(7-(4-(10+11))) = 24$
 39. $((10+11)-4)+7) = 24$
 40. $((7+(10+11))-4) = 24$
 41. $(4*(7+(10-11))) = 24$
 42. $(4*(7-(11-10))) = 24$

1262. [4, 7, 10, 12]
 1. $((4+10)/7)*12) = 24$
 2. $(12/(7/(4+10))) = 24$
 3. $((4+10)*12)/7) = 24$
 4. $((4+10)/(7/12)) = 24$
 5. $((4+10)*(12/7)) = 24$
 6. $((4-12)*(7-10)) = 24$
 7. $((12-4)*(10-7)) = 24$
 8. $(12-(4*(7-10))) = 24$
 9. $((4*(10-7))+12) = 24$

1263. [4, 7, 10, 13]
 无解

1264. [4, 7, 11, 11]

1. $(4*(7-(11/11))) = 24$

1265. [4, 7, 11, 12]

1. $(4*((7+11)-12)) = 24$

2. $(4*((7-12)+11)) = 24$

3. $(4*(11-(12-7))) = 24$

4. $(4*(7+(11-12))) = 24$

5. $(4*(7-(12-11))) = 24$

1266. [4, 7, 11, 13]

1. $((4*11)-7)-13 = 24$

2. $((4*11)-13)-7 = 24$

3. $((4*11)-(7+13)) = 24$

1267. [4, 7, 12, 12]

1. $((7-4)*12)-12 = 24$

2. $((7*12)+12)/4 = 24$

3. $(4*(7-(12/12))) = 24$

1268. [4, 7, 12, 13]

1. $((13-(4+7))*12) = 24$

2. $((13-4)-7)*12 = 24$

3. $(4*((7+12)-13)) = 24$

4. $(4*((7-13)+12)) = 24$

5. $((13-7)-4)*12 = 24$

6. $(4*(12-(13-7))) = 24$

7. $(4*(7+(12-13))) = 24$

8. $(4*(7-(13-12))) = 24$

1269. [4, 7, 13, 13]

1. $(4*(7-(13/13))) = 24$

1270. [4, 8, 8, 8]

1. $((8-4)*8)-8 = 24$

2. $((8/(4/8))+8) = 24$

3. $((8/4)*8)+8 = 24$

4. $((8*8)/4)+8 = 24$

5. $((4-(8/8))*8) = 24$

1271. [4, 8, 8, 9]

1. $((4+8)-9)*8 = 24$

2. $((4-9)+8)*8 = 24$

3. $((8-(9-4))*8) = 24$

4. $((4+(8-9))*8) = 24$

5. $((4-(9-8))*8) = 24$

1272. [4, 8, 8, 10]

1. $((4+8)*(10-8)) = 24$

2. $((4*10)-8)-8 = 24$

3. $((4*10)-(8+8)) = 24$

4. $((8*8)-(4*10)) = 24$

5. $(4*((8+8)-10)) = 24$

6. $(4*((8-10)+8)) = 24$

7. $(4*(8-(10-8))) = 24$

8. $(4*(8+(8-10))) = 24$

1273. [4, 8, 8, 11]

1. $((8*11)+8)/4 = 24$

2. $((8+(8*11))/4) = 24$

1274. [4, 8, 8, 12]

1. $(8-((4-8)-12)) = 24$

2. $((12-(4-8))+8) = 24$

3. $(12-((4-8)-8)) = 24$

4. $((8-(4-8))+12) = 24$

5. $((12+8)-(4-8)) = 24$

6. $((8-4)+12)+8 = 24$

7. $(8/((8-4)/12)) = 24$

8. $((12/(8-4))*8) = 24$

9. $((8-4)+8)+12 = 24$

10. $(12/((8-4)/8)) = 24$

11. $((8/(8-4))*12) = 24$

12. $((8-4)+(12+8)) = 24$

13. $((12*8)/(8-4)) = 24$

14. $((8+12)-(4-8)) = 24$

15. $((8-4)+(8+12)) = 24$

16. $((8*12)/(8-4)) = 24$

17. $(8-((4-12)-8)) = 24$

18. $((8-(4-12))+8) = 24$

19. $((8+8)-(4-12)) = 24$

20. $((12-4)+8)+8 = 24$

21. $((12-4)+(8+8)) = 24$

22. $(12-(4-(8+8))) = 24$

23. $((8+8)-4)+12 = 24$

24. $((8+8)+12)-4 = 24$

25. $(8-(4-(8+12))) = 24$

26. $((8+12)-4)+8 = 24$

27. $((8+12)+8)-4 = 24$

28. $(8-(4*(8-12))) = 24$

29. $((4*(12-8))+8) = 24$

30. $((8+(8+12))-4) = 24$

1275. [4, 8, 8, 13]

1. $((8*13)-8)/4 = 24$

1276. [4, 8, 9, 9]

1. $((4-(9/9))*8) = 24$

1277. [4, 8, 9, 10]

1. $((4+9)-10)*8 = 24$

2. $((4-10)+9)*8 = 24$

3. $((9-(10-4))*8) = 24$

4. $((4+(9-10))*8) = 24$

5. $((4-(10-9))*8) = 24$

1278. [4, 8, 9, 11]

1. $((4+8)*(11-9)) = 24$

2. $(9-((4-8)-11)) = 24$

3. $((11-(4-8))+9) = 24$

4. $(11-((4-8)-9)) = 24$

5. $((9-(4-8))+11) = 24$

6. $((11+9)-(4-8)) = 24$

7. $((8-4)+11)+9 = 24$

8. $((8-4)+9)+11 = 24$

9. $((8-4)+(11+9)) = 24$

10. $(11-((4-9)-8)) = 24$

11. $((8-(4-9))+11) = 24$

12. $(8-((4-9)-11)) = 24$

13. $((11-(4-9))+8) = 24$

14. $((8+11)-(4-9)) = 24$

15. $((9-4)+8)+11 = 24$

16. $((9-4)+11)+8 = 24$

17. $((9-4)+(8+11)) = 24$

18. $(9-((4-11)-8)) = 24$

19. $((8-(4-11))+9) = 24$

20. $(8-((4-11)-9)) = 24$

21. $((9-(4-11))+8) = 24$

22. $((8+9)-(4-11)) = 24$

23. $((11-4)+8)+9 = 24$

24. $((11-4)+9)+8 = 24$

25. $((11-4)+(8+9)) = 24$

26. $(11-(4-(8+9))) = 24$

27. $((8+9)-4)+11 = 24$

28. $((8+9)+11)-4 = 24$

29. $(4*((8+9)-11)) = 24$

30. $(9-(4-(8+11))) = 24$

31. $((8+11)-4)+9 = 24$

32. $((8+11)+9)-4 = 24$

33. $(4*((8-11)+9)) = 24$

34. $(4*(9-(11-8))) = 24$

35. $((9+11)-(4-8)) = 24$

36. $((8-4)+(9+11)) = 24$

37. $(8-(4-(9+11))) = 24$

38. $((9+11)-4)+8 = 24$

39. $((8+(9+11))-4) = 24$

40. $(4*(8+(9-11))) = 24$

41. $(4*(8-(11-9))) = 24$

1279. [4, 8, 9, 12]

1. $((8-4)*9)-12 = 24$

2. $((4*8)/12)*9 = 24$

3. $(9/(12/(4*8))) = 24$

4. $((4*8)*9)/12 = 24$

5. $((4*8)/(12/9)) = 24$

6. $((4*8)*(9/12)) = 24$

7. $((4*9)*8)/12 = 24$

8. $((4*9)/12)*8 = 24$

9. $(8/(12/(4*9))) = 24$

10. $((4*9)*(8/12)) = 24$

11. $((4*9)/(12/8)) = 24$

12. $((8*9)-(4*12)) = 24$

13. $((4/12)*8)*9 = 24$

14. $((4/12)*9)*8 = 24$

15. $((4/12)*(8*9)) = 24$

16. $(9/((12/4)/8)) = 24$

17. $((8/(12/4))*9) = 24$

18. $(8/((12/4)/9)) = 24$

19. $((9/(12/4))*8) = 24$

20. $((8*9)/(12/4)) = 24$

21. $((4*(8*9))/12) = 24$

22. $(4*((8*9)/12)) = 24$

23. $(4/(12/(8*9))) = 24$

24. $((4*(8/12))*9) = 24$

25. $(4*((8/12)*9)) = 24$

26. $((4/(12/8))*9) = 24$

27. $(9/((12/8)/4)) = 24$

28. $(4/((12/8)/9)) = 24$

29. $(4*(9/(12/8))) = 24$

30. $((4*(9/12))*8) = 24$

31. $(4*(8*(9/12))) = 24$

32. $((4/(12/9))*8) = 24$

33. $(8/((12/9)/4)) = 24$

34. $(4*(8/(12/9))) = 24$

35. $(4/((12/9)/8)) = 24$

1280. [4, 8, 9, 13]

1. $((8/4)+13)+9 = 24$

2. $((8/4)+9)+13 = 24$

3. $((8/4)+(13+9)) = 24$

4. $((8/4)+(9+13)) = 24$

5. $(8-(4*(9-13))) = 24$

6. $((4*(13-9))+8) = 24$

1281. [4, 8, 10, 10]

1. $(10 - ((4 - 8) - 10)) = 24$
2. $((10 - (4 - 8)) + 10) = 24$
3. $((10 + 10) - (4 - 8)) = 24$
4. $((8 - 4) + 10) + 10 = 24$
5. $((8 - 4) + (10 + 10)) = 24$
6. $(10 - ((4 - 10) - 8)) = 24$
7. $((8 - (4 - 10)) + 10) = 24$
8. $(8 - ((4 - 10) - 10)) = 24$
9. $((10 - (4 - 10)) + 8) = 24$
10. $((8 + 10) - (4 - 10)) = 24$
11. $((10 - 4) + 8) + 10 = 24$
12. $((10 - 4) + 10) + 8 = 24$
13. $((10 - 4) + (8 + 10)) = 24$
14. $(10 - (4 - (8 + 10))) = 24$
15. $((8 + 10) - 4) + 10 = 24$
16. $((8 + 10) + 10) - 4 = 24$
17. $(4 - ((8 - 10) * 10)) = 24$
18. $(4 + ((10 - 8) * 10)) = 24$
19. $(8 - (4 - (10 + 10))) = 24$
20. $((10 + 10) - 4) + 8 = 24$
21. $((8 + (10 + 10)) - 4) = 24$
22. $((4 - (10 / 10)) * 8) = 24$

1282. [4, 8, 10, 11]

1. $((4 + 10) - 11) * 8 = 24$
2. $((4 - 11) + 10) * 8 = 24$
3. $((10 - (11 - 4)) * 8) = 24$
4. $((4 + (10 - 11)) * 8) = 24$
5. $((4 - (11 - 10)) * 8) = 24$

1283. [4, 8, 10, 12]

1. $((4 + 8) - 10) * 12 = 24$
2. $((4 + 8) * (12 - 10)) = 24$
3. $((8 / 4) + 12) + 10 = 24$
4. $((8 / 4) + 10) + 12 = 24$
5. $((8 / 4) + (12 + 10)) = 24$
6. $((4 - 10) + 8) * 12 = 24$
7. $((4 - 10) * (8 - 12)) = 24$
8. $((8 - (10 - 4)) * 12) = 24$
9. $((10 - 4) * (12 - 8)) = 24$
10. $((4 * 12) / (10 - 8)) = 24$
11. $(4 * ((8 + 10) - 12)) = 24$
12. $((4 + (8 - 10)) * 12) = 24$
13. $((4 - (10 - 8)) * 12) = 24$
14. $((4 / (10 - 8)) * 12) = 24$
15. $(12 / ((10 - 8) / 4)) = 24$
16. $(4 / ((10 - 8) / 12)) = 24$
17. $(4 * (12 / (10 - 8))) = 24$
18. $(4 * ((8 - 12) + 10)) = 24$

19. $(4 * (10 - (12 - 8))) = 24$
20. $((8 / 4) + (10 + 12)) = 24$
21. $(4 * (8 + (10 - 12))) = 24$
22. $(4 * (8 - (12 - 10))) = 24$

1284. [4, 8, 10, 13]

无解

1285. [4, 8, 11, 11]

1. $((8 / 4) + 11) + 11 = 24$
2. $((8 / 4) + (11 + 11)) = 24$
3. $((4 - (11 / 11)) * 8) = 24$

1286. [4, 8, 11, 12]

1. $((4 + 11) - 12) * 8 = 24$
2. $((4 * 11) - 8) - 12 = 24$
3. $((4 * 11) - 12) - 8 = 24$
4. $((4 * 11) - (8 + 12)) = 24$
5. $((4 - 12) + 11) * 8 = 24$
6. $((4 - 12) * (8 - 11)) = 24$
7. $((11 - (12 - 4)) * 8) = 24$
8. $((12 - 4) * (11 - 8)) = 24$
9. $(12 - (4 * (8 - 11))) = 24$
10. $((4 * (11 - 8)) + 12) = 24$
11. $((4 + (11 - 12)) * 8) = 24$
12. $((4 - (12 - 11)) * 8) = 24$

1287. [4, 8, 11, 13]

1. $((4 + 8) * (13 - 11)) = 24$
2. $(4 * ((8 + 11) - 13)) = 24$
3. $(4 * ((8 - 13) + 11)) = 24$
4. $(4 * (11 - (13 - 8))) = 24$
5. $(4 * (8 + (11 - 13))) = 24$
6. $(4 * (8 - (13 - 11))) = 24$

1288. [4, 8, 12, 12]

1. $((4 + 12) / 8) * 12 = 24$
2. $(12 / (8 / (4 + 12))) = 24$
3. $((4 + 12) * 12) / 8 = 24$
4. $((4 + 12) / (8 / 12)) = 24$
5. $((4 + 12) * (12 / 8)) = 24$
6. $((4 - (12 / 12)) * 8) = 24$

1289. [4, 8, 12, 13]

1. $((4 + 12) - 13) * 8 = 24$
2. $((12 / 4) + 8) + 13 = 24$
3. $((12 / 4) + 13) + 8 = 24$
4. $((12 / 4) + (8 + 13)) = 24$
5. $((4 - 13) + 12) * 8 = 24$

6. $((12 - (13 - 4)) * 8) = 24$
7. $((4 + (12 - 13)) * 8) = 24$
8. $((4 - (13 - 12)) * 8) = 24$

1290. [4, 8, 13, 13]

1. $(13 - ((8 / 4) - 13)) = 24$
2. $((13 - (8 / 4)) + 13) = 24$
3. $((13 + 13) - (8 / 4)) = 24$
4. $((4 - (13 / 13)) * 8) = 24$

1291. [4, 9, 9, 9]

无解

1292. [4, 9, 9, 10]

1. $(9 - ((4 - 9) - 10)) = 24$
2. $((10 - (4 - 9)) + 9) = 24$
3. $(10 - ((4 - 9) - 9)) = 24$
4. $((9 - (4 - 9)) + 10) = 24$
5. $((10 + 9) - (4 - 9)) = 24$
6. $((9 - 4) + 10) + 9 = 24$
7. $((9 - 4) + 9) + 10 = 24$
8. $((9 - 4) + (10 + 9)) = 24$
9. $((9 + 10) - (4 - 9)) = 24$
10. $((9 - 4) + (9 + 10)) = 24$
11. $(9 - ((4 - 10) - 9)) = 24$
12. $((9 - (4 - 10)) + 9) = 24$
13. $((9 + 9) - (4 - 10)) = 24$
14. $((10 - 4) + 9) + 9 = 24$
15. $((10 - 4) + (9 + 9)) = 24$
16. $(10 - (4 - (9 + 9))) = 24$
17. $((9 + 9) - 4) + 10 = 24$
18. $((9 + 9) + 10) - 4 = 24$
19. $(9 - (4 - (9 + 10))) = 24$
20. $((9 + 10) - 4) + 9 = 24$
21. $((9 + 10) + 9) - 4 = 24$
22. $((9 + (9 + 10)) - 4) = 24$

1293. [4, 9, 9, 11]

无解

1294. [4, 9, 9, 12]

1. $(4 * ((9 + 9) - 12)) = 24$
2. $(4 * ((9 - 12) + 9)) = 24$
3. $(4 * (9 - (12 - 9))) = 24$
4. $((4 - (12 / 9)) * 9) = 24$
5. $(4 * (9 + (9 - 12))) = 24$

1295. [4, 9, 9, 13]

无解

1296. [4, 9, 10, 10]

无解

1297. [4, 9, 10, 11]

1. $(4 - ((9 - 11) * 10)) = 24$
2. $(4 + ((11 - 9) * 10)) = 24$

1298. [4, 9, 10, 12]

1. $(10 / ((9 - 4) / 12)) = 24$
2. $((12 / (9 - 4)) * 10) = 24$
3. $(12 / ((9 - 4) / 10)) = 24$
4. $((10 / (9 - 4)) * 12) = 24$
5. $((12 * 10) / (9 - 4)) = 24$
6. $((10 * 12) / (9 - 4)) = 24$

1299. [4, 9, 10, 13]

1. $((4 - 10) * (9 - 13)) = 24$
2. $((10 - 4) * (13 - 9)) = 24$
3. $(4 * ((9 + 10) - 13)) = 24$
4. $(4 * ((9 - 13) + 10)) = 24$
5. $(4 * (10 - (13 - 9))) = 24$
6. $(4 * (9 + (10 - 13))) = 24$
7. $(4 * (9 - (13 - 10))) = 24$

1300. [4, 9, 11, 11]

1. $((4 * 11) - 9) - 11 = 24$
2. $((4 * 11) - 11) - 9 = 24$
3. $((4 * 11) - (9 + 11)) = 24$

1301. [4, 9, 11, 12]

1. $((4 + 9) - 11) * 12 = 24$
2. $((4 - 11) + 9) * 12 = 24$
3. $((9 - (11 - 4)) * 12) = 24$
4. $((12 / (4 / 11)) - 9) = 24$
5. $((11 / 4) * 12) - 9 = 24$
6. $((4 * 12) / (11 - 9)) = 24$
7. $((11 / (4 / 12)) - 9) = 24$
8. $((12 / 4) * 11) - 9 = 24$
9. $((4 + (9 - 11)) * 12) = 24$
10. $((4 - (11 - 9)) * 12) = 24$
11. $((4 / (11 - 9)) * 12) = 24$
12. $(12 / ((11 - 9) / 4)) = 24$
13. $(4 / ((11 - 9) / 12)) = 24$
14. $(4 * (12 / (11 - 9))) = 24$
15. $((11 * 12) / 4) - 9 = 24$

1302. [4, 9, 11, 13]

无解

1303. [4, 9, 12, 12]
1. $((4-12)*(9-12)) = 24$
2. $((12-4)*(12-9)) = 24$
3. $((12/4)+9)+12 = 24$
4. $((12/4)+12)+9 = 24$
5. $((12/4)+(9+12)) = 24$
6. $(12-(4*(9-12))) = 24$
7. $((4*(12-9))+12) = 24$
8. $((9*12)-12)/4 = 24$

1304. [4, 9, 12, 13]
无解

1305. [4, 9, 13, 13]
无解

1306. [4, 10, 10, 10]
无解

1307. [4, 10, 10, 11]
1. $((4*11)-10)-10 = 24$
2. $((4*11)-(10+10)) = 24$

1308. [4, 10, 10, 12]
1. $(4-((10-12)*10)) = 24$
2. $(4+((12-10)*10)) = 24$
3. $(4-(10*(10-12))) = 24$
4. $(4+(10*(12-10))) = 24$

1309. [4, 10, 10, 13]
无解

1310. [4, 10, 11, 11]
无解

1311. [4, 10, 11, 12]
1. $((12/4)+10)+11 = 24$
2. $((12/4)+11)+10 = 24$
3. $((12/4)+(10+11)) = 24$

1312. [4, 10, 11, 13]
1. $(4-(10*(11-13))) = 24$
2. $(4+(10*(13-11))) = 24$

1313. [4, 10, 12, 12]
1. $((4+10)-12)*12 = 24$
2. $(12/((10-4)/12)) = 24$
3. $((12/(10-4))*12) = 24$

4. $((12*12)/(10-4)) = 24$
5. $((4-12)+10)*12 = 24$
6. $((10-(12-4))*12) = 24$
7. $((4*12)/(12-10)) = 24$
8. $((4+(10-12))*12) = 24$
9. $((4-(12-10))*12) = 24$
10. $((4/(12-10))*12) = 24$
11. $(12/((12-10)/4)) = 24$
12. $(4/((12-10)/12)) = 24$
13. $(4*(12/(12-10))) = 24$

1314. [4, 10, 12, 13]
1. $((4-12)*(10-13)) = 24$
2. $((12-4)*(13-10)) = 24$
3. $(12-(4*(10-13))) = 24$
4. $((4*(13-10))+12) = 24$

1315. [4, 10, 13, 13]
无解

1316. [4, 11, 11, 11]
无解

1317. [4, 11, 11, 12]
无解

1318. [4, 11, 11, 13]
无解

1319. [4, 11, 12, 12]
无解

1320. [4, 11, 12, 13]
1. $((4+11)-13)*12 = 24$
2. $((4*12)-11)-13 = 24$
3. $((4*12)-13)-11 = 24$
4. $((4*12)-(11+13)) = 24$
5. $((4*12)/(13-11)) = 24$
6. $((4-13)+11)*12 = 24$
7. $((11-(13-4))*12) = 24$
8. $((4+(11-13))*12) = 24$
9. $((4-(13-11))*12) = 24$
10. $((4/((13-11))*12) = 24$
11. $(12/((13-11)/4)) = 24$
12. $(4/((13-11)/12)) = 24$
13. $(4*(12/(13-11))) = 24$

1321. [4, 11, 13, 13]
无解

1322. [4, 12, 12, 12]
1. $((4*12)-12)-12 = 24$
2. $((4*12)-(12+12)) = 24$
3. $((12/(4/12))-12) = 24$
4. $((12/4)*12)-12 = 24$
5. $((12*12)/4)-12 = 24$

1323. [4, 12, 12, 13]
无解

1324. [4, 12, 13, 13]
无解

1325. [4, 13, 13, 13]
无解

1326. [5, 5, 5, 5]
1. $((5*5)-(5/5)) = 24$

1327. [5, 5, 5, 6]
1. $((5*5)-6)+5 = 24$
2. $(5-(6-(5*5))) = 24$
3. $((5*5)+5)-6 = 24$
4. $((5*5)-(6-5)) = 24$
5. $((5*5)+(5-6)) = 24$
6. $((5-(5/5))*6) = 24$
7. $((5-6)+(5*5)) = 24$
8. $((5+(5*5))-6) = 24$
9. $(5+((5*5)-6)) = 24$

1328. [5, 5, 5, 7]
无解

1329. [5, 5, 5, 8]
无解

1330. [5, 5, 5, 9]
1. $((5+5)+9)+5 = 24$
2. $((5+5)+5)+9 = 24$
3. $((5+5)+(9+5)) = 24$
4. $((5+5)+(5+9)) = 24$
5. $((5+9)+5)+5 = 24$
6. $((5+9)+(5+5)) = 24$
7. $((5+(5+5))+9) = 24$
8. $(5+((5+5)+9)) = 24$
9. $((5+(5+9))+5) = 24$
10. $(5+((5+9)+5)) = 24$
11. $(5+(5+(5+9))) = 24$

1331. [5, 5, 5, 10]
无解

1332. [5, 5, 5, 11]
无解

1333. [5, 5, 5, 12]
1. $((5+5)*12)/5 = 24$
2. $((5+5)/5)*12 = 24$
3. $(12/(5/(5+5))) = 24$
4. $((5+5)*(12/5)) = 24$
5. $((5+5)/(5/12)) = 24$
6. $((12/5)*(5+5)) = 24$

1334. [5, 5, 5, 13]
无解

1335. [5, 5, 6, 6]
1. $((5+5)-6)*6 = 24$
2. $((5*5)-(6/6)) = 24$
3. $((5-6)+5)*6 = 24$
4. $((5-(6-5))*6) = 24$
5. $((6-(6/5))*5) = 24$
6. $((5+(5-6))*6) = 24$
7. $(5*(6-(6/5))) = 24$

1336. [5, 5, 6, 7]
1. $((5*5)-7)+6 = 24$
2. $(6-(7-(5*5))) = 24$
3. $((5*5)+6)-7 = 24$
4. $((5*5)-(7-6)) = 24$
5. $((5*5)+(6-7)) = 24$
6. $((5*7)-(5+6)) = 24$
7. $((5*7)-5)-6 = 24$
8. $((5*7)-6)-5 = 24$

1337. [5, 5, 6, 8]
1. $((5+5)+8)+6 = 24$
2. $((5+5)+6)+8 = 24$
3. $((5+5)+(8+6)) = 24$
4. $((5+6)+5)+8 = 24$
5. $((5+6)+8)+5 = 24$
6. $((5+6)+(5+8)) = 24$
7. $((5+8)+5)+6 = 24$
8. $((5+8)+6)+5 = 24$
9. $((5+8)+(5+6)) = 24$
10. $((5+(5+6))+8) = 24$
11. $(5+((5+6)+8)) = 24$

12. $((5+(5+8))+6) = 24$
13. $(5+((5+8)+6)) = 24$
14. $((5+5)+(6+8)) = 24$
15. $((5+(6+8))+5) = 24$
16. $(5+(5+(6+8))) = 24$

1338. [5, 5, 6, 9]

无解

1339. [5, 5, 6, 10]

无解

1340. [5, 5, 6, 11]

1. $((5*6)+5)-11 = 24$
2. $((5*6)-11)+5 = 24$
3. $(5-(11-(5*6))) = 24$
4. $((5*6)+(5-11)) = 24$
5. $((5*6)-(11-5)) = 24$
6. $((5-11)+(5*6)) = 24$
7. $((11-5)*5)-6 = 24$
8. $((5+(5*6))-11) = 24$
9. $(5+((5*6)-11)) = 24$
10. $((5*(11-5))-6) = 24$

1341. [5, 5, 6, 12]

无解

1342. [5, 5, 6, 13]

无解

1343. [5, 5, 7, 7]

1. $((5+5)+7)+7 = 24$
2. $((5+5)+(7+7)) = 24$
3. $((7*7)-(5*5)) = 24$
4. $((5*5)-(7/7)) = 24$
5. $((5+7)+5)+7 = 24$
6. $((5+7)+7)+5 = 24$
7. $((5+7)+(5+7)) = 24$
8. $((5+7)*(7-5)) = 24$
9. $((7-5)*(5+7)) = 24$
10. $((5+(5+7))+7) = 24$
11. $(5+((5+7)+7)) = 24$
12. $((5+(7+7))+5) = 24$
13. $(5+(5+(7+7))) = 24$

1344. [5, 5, 7, 8]

1. $((5+5)-7)*8 = 24$
2. $((5*5)-8)+7 = 24$
3. $(7-(8-(5*5))) = 24$

4. $((5*5)+7)-8 = 24$
5. $((5*5)-(8-7)) = 24$
6. $((5*5)+(7-8)) = 24$
7. $((5-7)+5)*8 = 24$
8. $((5-(7-5))*8) = 24$
9. $((5+(5-7))*8) = 24$

1345. [5, 5, 7, 9]

无解

1346. [5, 5, 7, 10]

1. $((5+7)/5)*10 = 24$
2. $(10/(5/(5+7))) = 24$
3. $((5+7)*10)/5 = 24$
4. $((5+7)/(5/10)) = 24$
5. $((5+7)*(10/5)) = 24$
6. $((10/5)*(5+7)) = 24$

1347. [5, 5, 7, 11]

1. $((7-(11/5))*5) = 24$
2. $(5*(7-(11/5))) = 24$

1348. [5, 5, 7, 12]

无解

1349. [5, 5, 7, 13]

无解

1350. [5, 5, 8, 8]

1. $((5*5)-(8/8)) = 24$

1351. [5, 5, 8, 9]

1. $((5*5)-9)+8 = 24$
2. $(8-(9-(5*5))) = 24$
3. $((5*5)+8)-9 = 24$
4. $((5*5)-(9-8)) = 24$
5. $((5*5)+(8-9)) = 24$
6. $(9-((5-8)*5)) = 24$
7. $((8-5)*5)+9 = 24$
8. $(9-(5*(5-8))) = 24$
9. $((5*(8-5))+9) = 24$

1352. [5, 5, 8, 10]

1. $((5+10)/(5/8)) = 24$
2. $((8/5)*(5+10)) = 24$
3. $((5+10)/5)*8 = 24$
4. $(8/(5/(5+10))) = 24$
5. $((5+10)*8)/5 = 24$
6. $((5+10)*(8/5)) = 24$

7. $((5-(10/5))*8) = 24$

1353. [5, 5, 8, 11]

1. $((5*8)-5)-11 = 24$
2. $((5*8)-11)-5 = 24$
3. $((5*8)-(5+11)) = 24$

1354. [5, 5, 8, 12]

1. $((5+5)-8)*12 = 24$
2. $((5-8)+5)*12 = 24$
3. $((5-(8-5))*12) = 24$
4. $((5+(5-8))*12) = 24$

1355. [5, 5, 8, 13]

1. $((13-(5+5))*8) = 24$
2. $((5-8)*(5-13)) = 24$
3. $((8-5)*(13-5)) = 24$
4. $((5-13)*(5-8)) = 24$
5. $((13-5)-5)*8 = 24$
6. $((13-5)*(8-5)) = 24$

1356. [5, 5, 9, 9]

1. $((5*5)-(9/9)) = 24$

1357. [5, 5, 9, 10]

1. $((5*5)-10)+9 = 24$
2. $(9-(10-(5*5))) = 24$
3. $((5*5)+9)-10 = 24$
4. $((5*5)-(10-9)) = 24$
5. $((5*5)+(9-10)) = 24$

1358. [5, 5, 9, 11]

1. $((5-9)*(5-11)) = 24$
2. $((9-5)*(11-5)) = 24$
3. $((5-11)*(5-9)) = 24$
4. $((11-5)*(9-5)) = 24$

1359. [5, 5, 9, 12]

无解

1360. [5, 5, 9, 13]

无解

1361. [5, 5, 10, 10]

1. $((5*5)-(10/10)) = 24$

1362. [5, 5, 10, 11]

1. $((5*5)-11)+10 = 24$
2. $(10-(11-(5*5))) = 24$

3. $((5*5)+10)-11 = 24$

4. $((5*5)-(11-10)) = 24$

5. $((5*5)+(10-11)) = 24$

1363. [5, 5, 10, 12]

无解

1364. [5, 5, 10, 13]

1. $((5/5)+13)+10 = 24$
2. $((5/5)+10)+13 = 24$
3. $((5/5)+(13+10)) = 24$
4. $((5-(13/5))*10) = 24$
5. $((5/5)+(10+13)) = 24$

1365. [5, 5, 11, 11]

1. $((5*5)-(11/11)) = 24$

1366. [5, 5, 11, 12]

1. $((5*5)-12)+11 = 24$
2. $(11-(12-(5*5))) = 24$
3. $((5*5)+11)-12 = 24$
4. $((5*5)-(12-11)) = 24$
5. $((5*5)+(11-12)) = 24$
6. $((5/5)+12)+11 = 24$
7. $((5/5)+11)+12 = 24$
8. $((5/5)+(12+11)) = 24$
9. $((12-5)*5)-11 = 24$
10. $((5*(12-5))-11) = 24$
11. $((5/5)+(11+12)) = 24$

1367. [5, 5, 11, 13]

1. $((5-5)+13)+11 = 24$
2. $(11-((5-5)-13)) = 24$
3. $((13-(5-5))+11) = 24$
4. $((5-5)+11)+13 = 24$
5. $(13-((5-5)-11)) = 24$
6. $((11-(5-5))+13) = 24$
7. $((5-5)+(13+11)) = 24$
8. $((13+11)-(5-5)) = 24$
9. $((5/5)*13)+11 = 24$
10. $((13/(5/5))+11) = 24$
11. $((5/5)*11)+13 = 24$
12. $((11/(5/5))+13) = 24$
13. $((5/5)*(13+11)) = 24$
14. $((13+11)/(5/5)) = 24$
15. $((5+11)-5)+13 = 24$
16. $(13-(5-(5+11))) = 24$
17. $((5+11)+13)-5 = 24$
18. $((5+11)-(5-13)) = 24$

19. $((5+11)+(13-5)) = 24$
 20. $(13-((5-11)-5)) = 24$
 21. $((5-(5-11))+13) = 24$
 22. $(5-((5-11)-13)) = 24$
 23. $((13-(5-11))+5) = 24$
 24. $((5+13)-(5-11)) = 24$
 25. $((11-5)+5)+13 = 24$
 26. $((11-5)+13)+5 = 24$
 27. $((11-5)+(5+13)) = 24$
 28. $((5*11)/5)+13 = 24$
 29. $((5/(5+11))+13) = 24$
 30. $((11/5)*5)+13 = 24$
 31. $((5+13)-5)+11 = 24$
 32. $(11-(5-(5+13))) = 24$
 33. $((5+13)+11)-5 = 24$
 34. $((5+13)+(11-5)) = 24$
 35. $(11-((5-13)-5)) = 24$
 36. $((5-(5-13))+11) = 24$
 37. $(5-((5-13)-11)) = 24$
 38. $((11-(5-13))+5) = 24$
 39. $((13-5)+5)+11 = 24$
 40. $((13-5)+11)+5 = 24$
 41. $((13-5)+(5+11)) = 24$
 42. $((5*13)/5)+11 = 24$
 43. $((5/(5+13))+11) = 24$
 44. $((13/5)*5)+11 = 24$
 45. $(5+(13-(5-11))) = 24$
 46. $((5+(11-5))+13) = 24$
 47. $(5+((11-5)+13)) = 24$
 48. $((5*(11/5))+13) = 24$
 49. $(5+(11-(5-13))) = 24$
 50. $((5+(13-5))+11) = 24$
 51. $(5+((13-5)+11)) = 24$
 52. $((5*(13/5))+11) = 24$
 53. $((5-5)+(11+13)) = 24$
 54. $((11+13)-(5-5)) = 24$
 55. $((5/5)*(11+13)) = 24$
 56. $((11+13)/(5/5)) = 24$
 57. $((5+(11+13))-5) = 24$
 58. $(5-(5-(11+13))) = 24$
 59. $((11+13)-5)+5 = 24$
 60. $((5*(11+13))/5) = 24$
 61. $(5/(5/(11+13))) = 24$
 62. $((11+13)/5)*5 = 24$
 63. $(5+((11+13)-5)) = 24$
 64. $(5*((11+13)/5)) = 24$

1368. [5, 5, 12, 12]

1. $((12-(5+5))*12) = 24$

2. $((5-5)+12)+12 = 24$
 3. $(12-((5-5)-12)) = 24$
 4. $((12-(5-5))+12) = 24$
 5. $((5-5)+(12+12)) = 24$
 6. $((12+12)-(5-5)) = 24$
 7. $((5*5)-(12/12)) = 24$
 8. $((5/5)*12)+12 = 24$
 9. $((12/(5/5))+12) = 24$
 10. $((5/5)*(12+12)) = 24$
 11. $((12+12)/(5/5)) = 24$
 12. $((5+12)-5)+12 = 24$
 13. $(12-(5-(5+12))) = 24$
 14. $((5+12)+12)-5 = 24$
 15. $((5+12)-(5-12)) = 24$
 16. $((5+12)+(12-5)) = 24$
 17. $(12-((5-12)-5)) = 24$
 18. $((5-(5-12))+12) = 24$
 19. $(5-((5-12)-12)) = 24$
 20. $((12-(5-12))+5) = 24$
 21. $((12-5)+5)+12 = 24$
 22. $((12-5)-5)*12 = 24$
 23. $((12-5)+12)+5 = 24$
 24. $((12-5)+(5+12)) = 24$
 25. $((5*12)/5)+12 = 24$
 26. $((5/(5+12))+12) = 24$
 27. $((12/5)*5)+12 = 24$
 28. $(5+(12-(5-12))) = 24$
 29. $((5+(12-5))+12) = 24$
 30. $(5+((12-5)+12)) = 24$
 31. $((5*(12/5))+12) = 24$
 32. $((5+(12+12))-5) = 24$
 33. $(5-(5-(12+12))) = 24$
 34. $((12+12)-5)+5 = 24$
 35. $((5*(12+12))/5) = 24$
 36. $(5/(5/(12+12))) = 24$
 37. $((12+12)/5)*5 = 24$
 38. $(5+((12+12)-5)) = 24$
 39. $(5*((12+12)/5)) = 24$

1369. [5, 5, 12, 13]

1. $((5*5)-13)+12 = 24$
 2. $(12-(13-(5*5))) = 24$
 3. $((5*5)+12)-13 = 24$
 4. $((5*5)-(13-12)) = 24$
 5. $((5*5)+(12-13)) = 24$
 6. $(12-((5/5)-13)) = 24$
 7. $((13-(5/5))+12) = 24$
 8. $(13-((5/5)-12)) = 24$
 9. $((12-(5/5))+13) = 24$

10. $((13+12)-(5/5)) = 24$
 11. $((12+13)-(5/5)) = 24$

1370. [5, 5, 13, 13]

1. $((5*5)-(13/13)) = 24$

1371. [5, 6, 6, 6]

1. $((5-(6/6))*6) = 24$

1372. [5, 6, 6, 7]

1. $((5+6)+7)+6 = 24$
 2. $((5+6)-7)*6 = 24$
 3. $((5+6)+6)+7 = 24$
 4. $((5+6)+(7+6)) = 24$
 5. $((5+6)+(6+7)) = 24$
 6. $((5+7)+6)+6 = 24$
 7. $((5+7)+(6+6)) = 24$
 8. $((6*6)-(5+7)) = 24$
 9. $((5-7)+6)*6 = 24$
 10. $((6-(7-5))*6) = 24$
 11. $((7-5)*(6+6)) = 24$
 12. $((5+(6+6))+7) = 24$
 13. $(5+((6+6)+7)) = 24$
 14. $((6*6)-5)-7 = 24$
 15. $((6*6)-7)-5 = 24$
 16. $((5+(6+7))+6) = 24$
 17. $(5+((6+7)+6)) = 24$
 18. $((5+(6-7))*6) = 24$
 19. $((5-(7-6))*6) = 24$
 20. $(5+(6+(6+7))) = 24$

1373. [5, 6, 6, 8]

1. $(6-((5-8)*6)) = 24$
 2. $((8-5)*6)+6 = 24$

1374. [5, 6, 6, 9]

1. $((9*6)-(5*6)) = 24$
 2. $((6*9)-(5*6)) = 24$

1375. [5, 6, 6, 10]

1. $((10-5)*6)-6 = 24$
 2. $((6+6)/(5/10)) = 24$
 3. $((6-(10/5))*6) = 24$
 4. $((10/5)*(6+6)) = 24$
 5. $(10/(5/(6+6))) = 24$
 6. $((6+6)/5)*10 = 24$
 7. $((6+6)*10)/5 = 24$

1376. [5, 6, 6, 11]

无解

1377. [5, 6, 6, 12]

1. $((5*6)-12)+6 = 24$
 2. $(6-(12-(5*6))) = 24$
 3. $((5*6)+6)-12 = 24$
 4. $((5*6)-(12-6)) = 24$
 5. $((5*6)+(6-12)) = 24$
 6. $((5*12)-(6*6)) = 24$
 7. $((5*(12-6))-6) = 24$

1378. [5, 6, 6, 13]

无解

1379. [5, 6, 7, 7]

1. $((5-(7/7))*6) = 24$

1380. [5, 6, 7, 8]

1. $((5+7)-8)*6 = 24$
 2. $((5+7)*(8-6)) = 24$
 3. $(8/((7-5)/6)) = 24$
 4. $((6/(7-5))*8) = 24$
 5. $(6/((7-5)/8)) = 24$
 6. $((8/(7-5))*6) = 24$
 7. $((6*8)/(7-5)) = 24$
 8. $((5-8)+7)*6 = 24$
 9. $((7-(8-5))*6) = 24$
 10. $((5+(7-8))*6) = 24$
 11. $((5-(8-7))*6) = 24$

1381. [5, 6, 7, 9]

1. $(6-((5-7)*9)) = 24$
 2. $((7-5)*9)+6 = 24$

1382. [5, 6, 7, 10]

无解

1383. [5, 6, 7, 11]

无解

1384. [5, 6, 7, 12]

1. $((5+7)/6)*12 = 24$
 2. $(12/(6/(5+7))) = 24$
 3. $((5+7)*12)/6 = 24$
 4. $((5+7)/(6/12)) = 24$
 5. $((5+7)*(12/6)) = 24$
 6. $(12-((5-7)*6)) = 24$
 7. $((7-5)*6)+12 = 24$

1385. [5, 6, 7, 13]

1. $((5*6)-13)+7 = 24$
2. $(7-(13-(5*6))) = 24$
3. $((5*6)+7)-13 = 24$
4. $((5*6)-(13-7)) = 24$
5. $((5*6)+(7-13)) = 24$
6. $((13+7)/(5/6)) = 24$
7. $((6/5)*(13+7)) = 24$
8. $((6*7)-(5+13)) = 24$
9. $((6*7)-5)-13 = 24$
10. $((6*7)-13)-5 = 24$
11. $((7+13)/(5/6)) = 24$
12. $((6/5)*(7+13)) = 24$
13. $(6/(5/(7+13))) = 24$
14. $((7+13)/5)*6 = 24$
15. $((6*(7+13))/5) = 24$
16. $((5*(13-7))-6) = 24$

1386. [5, 6, 8, 8]

1. $((5+6)-8)*8 = 24$
2. $((5-8)+6)*8 = 24$
3. $((6-(8-5))*8) = 24$
4. $((5+(6-8))*8) = 24$
5. $((5-(8-6))*8) = 24$
6. $((5-(8/8))*6) = 24$

1387. [5, 6, 8, 9]

1. $((5+8)-9)*6 = 24$
2. $((6+9)/(5/8)) = 24$
3. $((8/5)*(6+9)) = 24$
4. $((5-9)+8)*6 = 24$
5. $((8-(9-5))*6) = 24$
6. $(8/(5/(6+9))) = 24$
7. $((6+9)/5)*8 = 24$
8. $((6+9)*8)/5 = 24$
9. $((5+(8-9))*6) = 24$
10. $((5-(9-8))*6) = 24$

1388. [5, 6, 8, 10]

1. $((5*6)/10)*8 = 24$
2. $(8/(10/(5*6))) = 24$
3. $((5*6)*8)/10 = 24$
4. $((5*6)/(10/8)) = 24$
5. $((5*6)*(8/10)) = 24$
6. $((8-5)*10)-6 = 24$
7. $((5*8)-6)-10 = 24$
8. $((5*8)*6)/10 = 24$
9. $((5*8)-10)-6 = 24$
10. $((5*8)/10)*6 = 24$

11. $(6/(10/(5*8))) = 24$

12. $((5*8)-(6+10)) = 24$
13. $((5*8)*(6/10)) = 24$
14. $((5*8)/(10/6)) = 24$
15. $((5/10)*6)*8 = 24$
16. $((5/10)*8)*6 = 24$
17. $((5/10)*(6*8)) = 24$
18. $(8/((10/5)/6)) = 24$
19. $((6/(10/5))*8) = 24$
20. $(6/((10/5)/8)) = 24$
21. $((8/(10/5))*6) = 24$
22. $((6*8)/(10/5)) = 24$
23. $((5*(6*8))/10) = 24$
24. $(5*((6*8)/10)) = 24$
25. $(5/(10/(6*8))) = 24$
26. $((5*(6/10))*8) = 24$
27. $(5*((6/10)*8)) = 24$
28. $((5/(10/6))*8) = 24$
29. $(8/((10/6)/5)) = 24$
30. $(5/((10/6)/8)) = 24$
31. $(5*(8/(10/6))) = 24$
32. $((5*(8/10))*6) = 24$
33. $(5*(6*(8/10))) = 24$
34. $((5/(10/8))*6) = 24$
35. $(6/((10/8)/5)) = 24$
36. $(5*(6/(10/8))) = 24$
37. $(5/((10/8)/6)) = 24$

1389. [5, 6, 8, 11]

无解

1390. [5, 6, 8, 12]

1. $((12+8)/(5/6)) = 24$
2. $((6/5)*(12+8)) = 24$
3. $(12/((8-5)/6)) = 24$
4. $((6/(8-5))*12) = 24$
5. $(6/((8-5)/12)) = 24$
6. $((12/(8-5))*6) = 24$
7. $((6*12)/(8-5)) = 24$
8. $((5-(12/6))*8) = 24$
9. $((8+12)/(5/6)) = 24$
10. $((6/5)*(8+12)) = 24$
11. $(6/(5/(8+12))) = 24$
12. $((8+12)/5)*6 = 24$
13. $((6*(8+12))/5) = 24$

1391. [5, 6, 8, 13]

1. $((5+13)/6)*8 = 24$
2. $(8/(6/(5+13))) = 24$

3. $((5+13)*8)/6 = 24$

4. $((5+13)/(6/8)) = 24$
5. $((5+13)*(8/6)) = 24$

1392. [5, 6, 9, 9]

1. $(9-(5*(6-9))) = 24$
2. $((5*(9-6))+9) = 24$
3. $((5-(9/9))*6) = 24$

1393. [5, 6, 9, 10]

1. $((5+9)-10)*6 = 24$
2. $((10/(5/9))+6) = 24$
3. $((9/5)*10)+6 = 24$
4. $((5-10)+9)*6 = 24$
5. $((9-(10-5))*6) = 24$
6. $((9/(5/10))+6) = 24$
7. $((10/5)*9)+6 = 24$
8. $((5+(9-10))*6) = 24$
9. $((5-(10-9))*6) = 24$
10. $((9*10)/5)+6 = 24$

1394. [5, 6, 9, 11]

1. $((11+9)/(5/6)) = 24$
2. $((6/5)*(11+9)) = 24$
3. $((5+11)/6)*9 = 24$
4. $(9/(6/(5+11))) = 24$
5. $((5+11)*9)/6 = 24$
6. $((5+11)/(6/9)) = 24$
7. $((5+11)*(9/6)) = 24$
8. $((9+11)/(5/6)) = 24$
9. $((6/5)*(9+11)) = 24$
10. $(6/(5/(9+11))) = 24$
11. $((9+11)/5)*6 = 24$
12. $((6*(9+11))/5) = 24$

1395. [5, 6, 9, 12]

1. $((5+6)-9)*12 = 24$
2. $((5-9)+6)*12 = 24$
3. $((5-9)*(6-12)) = 24$
4. $((6-(9-5))*12) = 24$
5. $((9-5)*(12-6)) = 24$
6. $((5+(6-9))*12) = 24$
7. $((5-(9-6))*12) = 24$

1396. [5, 6, 9, 13]

1. $((5-13)*(6-9)) = 24$
2. $((13-5)*(9-6)) = 24$

1397. [5, 6, 10, 10]

1. $((10+10)/(5/6)) = 24$

2. $((6/5)*(10+10)) = 24$
3. $(6/(5/(10+10))) = 24$
4. $((10+10)/5)*6 = 24$
5. $((6*(10+10))/5) = 24$
6. $((5-(10/10))*6) = 24$

1398. [5, 6, 10, 11]

1. $((5+10)-11)*6 = 24$
2. $((5-11)+10)*6 = 24$
3. $((5-11)*(6-10)) = 24$
4. $((10-(11-5))*6) = 24$
5. $((11-5)*(10-6)) = 24$
6. $((5+(10-11))*6) = 24$
7. $((5-(11-10))*6) = 24$

1399. [5, 6, 10, 12]

1. $((10/(5/6))+12) = 24$
2. $((6/5)*10)+12 = 24$
3. $((6/(5/10))+12) = 24$
4. $((10/5)*6)+12 = 24$
5. $((6*10)/5)+12 = 24$
6. $(5*(6-(12/10))) = 24$

1400. [5, 6, 10, 13]

1. $(10-((5-6)-13)) = 24$
2. $((13-(5-6))+10) = 24$
3. $(13-((5-6)-10)) = 24$
4. $((10-(5-6))+13) = 24$
5. $((13+10)-(5-6)) = 24$
6. $((6-5)+13)+10 = 24$
7. $((6-5)+10)+13 = 24$
8. $((6-5)+(13+10)) = 24$
9. $(13-((5-10)-6)) = 24$
10. $((6-(5-10))+13) = 24$
11. $(6-((5-10)-13)) = 24$
12. $((13-(5-10))+6) = 24$
13. $((6+13)-(5-10)) = 24$
14. $((10-5)+6)+13 = 24$
15. $((10-5)+13)+6 = 24$
16. $((10-5)+(6+13)) = 24$
17. $(10-((5-13)-6)) = 24$
18. $((6-(5-13))+10) = 24$
19. $(6-((5-13)-10)) = 24$
20. $((10-(5-13))+6) = 24$
21. $((6+10)-(5-13)) = 24$
22. $((13-5)+6)+10 = 24$
23. $((13-5)+10)+6 = 24$
24. $((13-5)+(6+10)) = 24$

25. $(13-(5-(6+10))) = 24$
 26. $((((6+10)-5)+13)) = 24$
 27. $((((6+10)+13)-5)) = 24$
 28. $(10-(5-(6+13))) = 24$
 29. $((((6+13)-5)+10)) = 24$
 30. $((((6+13)+10)-5)) = 24$
 31. $((10+13)-(5-6)) = 24$
 32. $((6-5)+(10+13)) = 24$
 33. $(6-(5-(10+13))) = 24$
 34. $((((10+13)-5)+6)) = 24$
 35. $((6+(10+13))-5) = 24$

1401. [5, 6, 11, 11]

1. $((5-(11/11))*6) = 24$

1402. [5, 6, 11, 12]

1. $(11-((5-6)-12)) = 24$
 2. $((12-(5-6))+11) = 24$
 3. $(12-((5-6)-11)) = 24$
 4. $((11-(5-6))+12) = 24$
 5. $((12+11)-(5-6)) = 24$
 6. $((6-5)+12)+11 = 24$
 7. $((6-5)+11)+12 = 24$
 8. $((6-5)+(12+11)) = 24$
 9. $((5+11)-12)*6 = 24$
 10. $(12-((5-11)-6)) = 24$
 11. $((6-(5-11))+12) = 24$
 12. $(6-((5-11)-12)) = 24$
 13. $((12-(5-11))+6) = 24$
 14. $((6+12)-(5-11)) = 24$
 15. $((11-5)+6)+12 = 24$
 16. $((11-5)*6)-12 = 24$
 17. $((11-5)+12)+6 = 24$
 18. $((11-5)+(6+12)) = 24$
 19. $(11-((5-12)-6)) = 24$
 20. $((6-(5-12))+11) = 24$
 21. $((5-12)+11)*6 = 24$
 22. $(6-((5-12)-11)) = 24$
 23. $((11-(5-12))+6) = 24$
 24. $((6+11)-(5-12)) = 24$
 25. $((12-5)+6)+11 = 24$
 26. $((12-5)+11)+6 = 24$
 27. $((11-(12-5))*6) = 24$
 28. $((12-5)+(6+11)) = 24$
 29. $(12-(5-(6+11))) = 24$
 30. $((6+11)-5)+12 = 24$
 31. $((6+11)+12)-5 = 24$
 32. $(11-(5-(6+12))) = 24$
 33. $((6+12)-5)+11 = 24$

34. $((6+12)+11)-5 = 24$
 35. $((11+12)-(5-6)) = 24$
 36. $((6-5)+(11+12)) = 24$
 37. $(6-(5-(11+12))) = 24$
 38. $((11+12)-5)+6 = 24$
 39. $((6+(11+12))-5) = 24$
 40. $((5+(11-12))*6) = 24$
 41. $((5-(12-11))*6) = 24$

1403. [5, 6, 11, 13]

1. $(11-((5-6)*13)) = 24$
 2. $(11-(13/(5-6))) = 24$
 3. $(13-((5-6)*11)) = 24$
 4. $(13-(11/(5-6))) = 24$
 5. $((6-5)*13)+11 = 24$
 6. $((13/(6-5))+11) = 24$
 7. $((6-5)*11)+13 = 24$
 8. $((11/(6-5))+13) = 24$
 9. $((6-5)*(13+11)) = 24$
 10. $((13+11)/(6-5)) = 24$
 11. $((5*(13-6))-11) = 24$
 12. $((6-5)*(11+13)) = 24$
 13. $((11+13)/(6-5)) = 24$

1404. [5, 6, 12, 12]

1. $(12-((5-6)*12)) = 24$
 2. $(12-(12/(5-6))) = 24$
 3. $((6-5)*12)+12 = 24$
 4. $((12/(6-5))+12) = 24$
 5. $((6-5)*(12+12)) = 24$
 6. $((12+12)/(6-5)) = 24$
 7. $((5-(12/12))*6) = 24$

1405. [5, 6, 12, 13]

1. $((13-(5+6))*12) = 24$
 2. $((5-6)+13)+12 = 24$
 3. $((5-6)+12)+13 = 24$
 4. $((5-6)+(13+12)) = 24$
 5. $(12-((6-5)-13)) = 24$
 6. $((13-(6-5))+12) = 24$
 7. $(13-((6-5)-12)) = 24$
 8. $((12-(6-5))+13) = 24$
 9. $((13+12)-(6-5)) = 24$
 10. $((5+12)-6)+13 = 24$
 11. $(13-(6-(5+12))) = 24$
 12. $((5+12)+13)-6 = 24$
 13. $((5+12)-13)*6 = 24$
 14. $((5+12)-(6-13)) = 24$
 15. $((5+12)+(13-6)) = 24$

16. $((5+13)-6)+12 = 24$
 17. $(12-(6-(5+13))) = 24$
 18. $((5+13)+12)-6 = 24$
 19. $((5+13)-(6-12)) = 24$
 20. $((5+13)+(12-6)) = 24$
 21. $((5-13)+12)*6 = 24$
 22. $((13-5)-6)*12 = 24$
 23. $((12-(13-5))*6) = 24$
 24. $((5-(6-12))+13) = 24$
 25. $(13-((6-12)-5)) = 24$
 26. $(5-((6-12)-13)) = 24$
 27. $(5+(13-(6-12))) = 24$
 28. $((5+(12-6))+13) = 24$
 29. $(5+((12-6)+13)) = 24$
 30. $((5-(6-13))+12) = 24$
 31. $(12-((6-13)-5)) = 24$
 32. $(5-((6-13)-12)) = 24$
 33. $(5+(12-(6-13))) = 24$
 34. $((5+(13-6))+12) = 24$
 35. $((13-6)-5)*12 = 24$
 36. $(5+((13-6)+12)) = 24$
 37. $((5-6)+(12+13)) = 24$
 38. $((12+13)-(6-5)) = 24$
 39. $((5+(12+13))-6) = 24$
 40. $(5-(6-(12+13))) = 24$
 41. $(5+((12+13)-6)) = 24$
 42. $((5+(12-13))*6) = 24$
 43. $((5-(13-12))*6) = 24$

1406. [5, 6, 13, 13]

1. $((5-(13/13))*6) = 24$

1407. [5, 7, 7, 7]

无解

1408. [5, 7, 7, 8]

无解

1409. [5, 7, 7, 9]

1. $((5+7)*(9-7)) = 24$

1410. [5, 7, 7, 10]

1. $(10-((5-7)*7)) = 24$
 2. $((7-5)*7)+10 = 24$

1411. [5, 7, 7, 11]

1. $((5-(11/7))*7) = 24$

1412. [5, 7, 7, 12]

无解

1413. [5, 7, 7, 13]

无解

1414. [5, 7, 8, 8]

1. $(8-((5-7)*8)) = 24$
 2. $((7-5)*8)+8 = 24$
 3. $((7+8)/(5/8)) = 24$
 4. $((8/5)*(7+8)) = 24$
 5. $(8/(5/(7+8))) = 24$
 6. $((7+8)/5)*8 = 24$
 7. $((7+8)*8)/5 = 24$

1415. [5, 7, 8, 9]

1. $((5+7)-9)*8 = 24$
 2. $((5*8)-7)-9 = 24$
 3. $((5*8)-9)-7 = 24$
 4. $((5*8)-(7+9)) = 24$
 5. $((5-9)+7)*8 = 24$
 6. $((7-(9-5))*8) = 24$
 7. $((5+(7-9))*8) = 24$
 8. $((5-(9-7))*8) = 24$

1416. [5, 7, 8, 10]

1. $((5+7)*(10-8)) = 24$

1417. [5, 7, 8, 11]

无解

1418. [5, 7, 8, 12]

无解

1419. [5, 7, 8, 13]

无解

1420. [5, 7, 9, 9]

无解

1421. [5, 7, 9, 10]

1. $(9-(5*(7-10))) = 24$
 2. $((5*(10-7))+9) = 24$

1422. [5, 7, 9, 11]

1. $((5+7)*(11-9)) = 24$

1423. [5, 7, 9, 12]

1. $((5+9)/7)*12 = 24$
 2. $(12/(7/(5+9))) = 24$

$$3. (((5+9)*12)/7) = 24$$

$$4. ((5+9)/(7/12)) = 24$$

$$5. ((5+9)*(12/7)) = 24$$

$$1424. [5, 7, 9, 13]$$

$$1. (9-((5-7)-13)) = 24$$

$$2. ((13-(5-7))+9) = 24$$

$$3. (13-((5-7)-9)) = 24$$

$$4. ((9-(5-7))+13) = 24$$

$$5. ((13+9)-(5-7)) = 24$$

$$6. (((7-5)+13)+9) = 24$$

$$7. (((7-5)+9)+13) = 24$$

$$8. ((7-5)+(13+9)) = 24$$

$$9. (13-((5-9)-7)) = 24$$

$$10. ((7-(5-9))+13) = 24$$

$$11. (7-((5-9)-13)) = 24$$

$$12. ((13-(5-9))+7) = 24$$

$$13. ((7+13)-(5-9)) = 24$$

$$14. ((5-9)*(7-13)) = 24$$

$$15. (((9-5)+7)+13) = 24$$

$$16. (((9-5)+13)+7) = 24$$

$$17. ((9-5)+(7+13)) = 24$$

$$18. ((9-5)*(13-7)) = 24$$

$$19. (9-((5-13)-7)) = 24$$

$$20. ((7-(5-13))+9) = 24$$

$$21. (7-((5-13)-9)) = 24$$

$$22. ((9-(5-13))+7) = 24$$

$$23. ((7+9)-(5-13)) = 24$$

$$24. (((13-5)+7)+9) = 24$$

$$25. (((13-5)+9)+7) = 24$$

$$26. ((13-5)+(7+9)) = 24$$

$$27. (13-(5-(7+9))) = 24$$

$$28. (((7+9)-5)+13) = 24$$

$$29. (((7+9)+13)-5) = 24$$

$$30. (9-(5-(7+13))) = 24$$

$$31. (((7+13)-5)+9) = 24$$

$$32. (((7+13)+9)-5) = 24$$

$$33. ((9+13)-(5-7)) = 24$$

$$34. ((7-5)+(9+13)) = 24$$

$$35. (7-(5-(9+13))) = 24$$

$$36. (((9+13)-5)+7) = 24$$

$$37. ((7+(9+13))-5) = 24$$

$$1425. [5, 7, 10, 10]$$

$$1. ((10/(5/7))+10) = 24$$

$$2. (((7/5)*10)+10) = 24$$

$$3. ((7/(5/10))+10) = 24$$

$$4. (((10/5)*7)+10) = 24$$

$$5. (((7*10)/5)+10) = 24$$

$$1426. [5, 7, 10, 11]$$

$$1. (((10-5)*7)-11) = 24$$

$$1427. [5, 7, 10, 12]$$

$$1. (((5+7)-10)*12) = 24$$

$$2. ((5+7)*(12-10)) = 24$$

$$3. (10-((5-7)-12)) = 24$$

$$4. ((12-(5-7))+10) = 24$$

$$5. (12-((5-7)-10)) = 24$$

$$6. ((10-(5-7))+12) = 24$$

$$7. ((12+10)-(5-7)) = 24$$

$$8. (((7-5)+12)+10) = 24$$

$$9. (((7-5)+10)+12) = 24$$

$$10. ((7-5)+(12+10)) = 24$$

$$11. (((5-10)+7)*12) = 24$$

$$12. (12-((5-10)-7)) = 24$$

$$13. ((7-(5-10))+12) = 24$$

$$14. (7-((5-10)-12)) = 24$$

$$15. ((12-(5-10))+7) = 24$$

$$16. ((7+12)-(5-10)) = 24$$

$$17. (((10-5)+7)+12) = 24$$

$$18. ((7-(10-5))*12) = 24$$

$$19. (((10-5)+12)+7) = 24$$

$$20. ((10-5)+(7+12)) = 24$$

$$21. (10-((5-12)-7)) = 24$$

$$22. ((7-(5-12))+10) = 24$$

$$23. (7-((5-12)-10)) = 24$$

$$24. ((10-(5-12))+7) = 24$$

$$25. ((7+10)-(5-12)) = 24$$

$$26. (((12-5)+7)+10) = 24$$

$$27. (((12-5)+10)+7) = 24$$

$$28. ((12-5)+(7+10)) = 24$$

$$29. (12-(5-(7+10))) = 24$$

$$30. (((7+10)-5)+12) = 24$$

$$31. (((7+10)+12)-5) = 24$$

$$32. ((5+(7-10))*12) = 24$$

$$33. ((5-(10-7))*12) = 24$$

$$34. (10-(5-(7+12))) = 24$$

$$35. (((7+12)-5)+10) = 24$$

$$36. (((7+12)+10)-5) = 24$$

$$37. ((10+12)-(5-7)) = 24$$

$$38. ((7-5)+(10+12)) = 24$$

$$39. (7-(5-(10+12))) = 24$$

$$40. (((10+12)-5)+7) = 24$$

$$41. ((7+(10+12))-5) = 24$$

$$1428. [5, 7, 10, 13]$$

$$1. ((5-13)*(7-10)) = 24$$

$$2. ((13-5)*(10-7)) = 24$$

$$1429. [5, 7, 11, 11]$$

$$1. (11-((5-7)-11)) = 24$$

$$2. ((11-(5-7))+11) = 24$$

$$3. ((11+11)-(5-7)) = 24$$

$$4. (((7-5)+11)+11) = 24$$

$$5. ((7-5)+(11+11)) = 24$$

$$6. (11-((5-11)-7)) = 24$$

$$7. ((7-(5-11))+11) = 24$$

$$8. (7-((5-11)-11)) = 24$$

$$9. ((11-(5-11))+7) = 24$$

$$10. ((7+11)-(5-11)) = 24$$

$$11. ((5-11)*(7-11)) = 24$$

$$12. (((11-5)+7)+11) = 24$$

$$13. (((11-5)+11)+7) = 24$$

$$14. ((11-5)+(7+11)) = 24$$

$$15. ((11-5)*(11-7)) = 24$$

$$16. (11-(5-(7+11))) = 24$$

$$17. (((7+11)-5)+11) = 24$$

$$18. (((7+11)+11)-5) = 24$$

$$19. (7-(5-(11+11))) = 24$$

$$20. (((11+11)-5)+7) = 24$$

$$21. ((7+(11+11))-5) = 24$$

$$1430. [5, 7, 11, 12]$$

无解

$$1431. [5, 7, 11, 13]$$

$$1. ((5+7)*(13-11)) = 24$$

$$1432. [5, 7, 12, 12]$$

$$1. ((7*12)-(5*12)) = 24$$

$$1433. [5, 7, 12, 13]$$

无解

$$1434. [5, 7, 13, 13]$$

$$1. (((5-7)+13)+13) = 24$$

$$2. ((5-7)+(13+13)) = 24$$

$$3. (13-((7-5)-13)) = 24$$

$$4. ((13-(7-5))+13) = 24$$

$$5. ((13+13)-(7-5)) = 24$$

$$6. (((5+13)-7)+13) = 24$$

$$7. (13-(7-(5+13))) = 24$$

$$8. (((5+13)+13)-7) = 24$$

$$9. ((5+13)-(7-13)) = 24$$

$$10. ((5+13)+(13-7)) = 24$$

$$11. ((5-(7-13))+13) = 24$$

$$12. (13-((7-13)-5)) = 24$$

$$13. (5-((7-13)-13)) = 24$$

$$14. (5+(13-(7-13))) = 24$$

$$15. ((5+(13-7))+13) = 24$$

$$16. (5+((13-7)+13)) = 24$$

$$17. ((5+(13+13))-7) = 24$$

$$18. (5-(7-(13+13))) = 24$$

$$19. (5+((13+13)-7)) = 24$$

$$1435. [5, 8, 8, 8]$$

$$1. (((5*8)-8)-8) = 24$$

$$2. ((5*8)-(8+8)) = 24$$

$$3. ((8*8)-(5*8)) = 24$$

$$1436. [5, 8, 8, 9]$$

$$1. (8/((8-5)/9)) = 24$$

$$2. ((9/(8-5))*8) = 24$$

$$3. (9/((8-5)/8)) = 24$$

$$4. ((8/(8-5))*9) = 24$$

$$5. ((9*8)/(8-5)) = 24$$

$$6. ((8*9)/(8-5)) = 24$$

$$7. (((9-5)*8)-8) = 24$$

$$1437. [5, 8, 8, 10]$$

$$1. (((5+8)-10)*8) = 24$$

$$2. ((10/(5/8))+8) = 24$$

$$3. (((8/5)*10)+8) = 24$$

$$4. (((5-10)+8)*8) = 24$$

$$5. ((8-(10-5))*8) = 24$$

$$6. ((8/(5/10))+8) = 24$$

$$7. (((10/5)*8)+8) = 24$$

$$8. ((5+(8-10))*8) = 24$$

$$9. ((5-(10-8))*8) = 24$$

$$10. (((8*10)/5)+8) = 24$$

$$1438. [5, 8, 8, 11]$$

无解

$$1439. [5, 8, 8, 12]$$

无解

$$1440. [5, 8, 8, 13]$$

$$1. (8-((5-8)-13)) = 24$$

$$2. ((13-(5-8))+8) = 24$$

$$3. (13-((5-8)-8)) = 24$$

$$4. ((8-(5-8))+13) = 24$$

$$5. ((13+8)-(5-8)) = 24$$

$$6. (((8-5)+13)+8) = 24$$

$$7. (((8-5)+8)+13) = 24$$

$$\begin{aligned}
&8. ((8-5)+(13+8)) = 24 \\
&9. ((8+13)-(5-8)) = 24 \\
&10. ((8-5)+(8+13)) = 24 \\
&11. (8-((5-13)-8)) = 24 \\
&12. ((8-(5-13))+8) = 24 \\
&13. ((8+8)-(5-13)) = 24 \\
&14. (((13-5)+8)+8) = 24 \\
&15. ((13-5)+(8+8)) = 24 \\
&16. (13-(5-(8+8))) = 24 \\
&17. (((8+8)-5)+13) = 24 \\
&18. (((8+8)+13)-5) = 24 \\
&19. (8-(5-(8+13))) = 24 \\
&20. (((8+13)-5)+8) = 24 \\
&21. (((8+13)+8)-5) = 24 \\
&22. ((8+(8+13))-5) = 24
\end{aligned}$$

1441. [5, 8, 9, 9]

无解

1442. [5, 8, 9, 10]

无解

1443. [5, 8, 9, 11]

$$\begin{aligned}
&1. (((8-5)*11)-9) = 24 \\
&2. (((5+9)-11)*8) = 24 \\
&3. (((5-11)+9)*8) = 24 \\
&4. ((9-(11-5))*8) = 24 \\
&5. (9-(5*(8-11))) = 24 \\
&6. ((5*(11-8))+9) = 24 \\
&7. ((5+(9-11))*8) = 24 \\
&8. ((5-(11-9))*8) = 24
\end{aligned}$$

1444. [5, 8, 9, 12]

$$\begin{aligned}
&1. (9-((5-8)-12)) = 24 \\
&2. ((12-(5-8))+9) = 24 \\
&3. (12-((5-8)-9)) = 24 \\
&4. ((9-(5-8))+12) = 24 \\
&5. ((12+9)-(5-8)) = 24 \\
&6. (((8-5)+12)+9) = 24 \\
&7. (((8-5)+9)+12) = 24 \\
&8. ((8-5)+(12+9)) = 24 \\
&9. (12-((5-9)-8)) = 24 \\
&10. ((8-(5-9))+12) = 24 \\
&11. (8-((5-9)-12)) = 24 \\
&12. ((12-(5-9))+8) = 24 \\
&13. ((8+12)-(5-9)) = 24 \\
&14. (((9-5)+8)+12) = 24 \\
&15. (12/((9-5)/8)) = 24 \\
&16. ((8/(9-5))*12) = 24
\end{aligned}$$

$$\begin{aligned}
&17. (((9-5)+12)+8) = 24 \\
&18. (8/((9-5)/12)) = 24 \\
&19. ((12/(9-5))*8) = 24 \\
&20. ((9-5)+(8+12)) = 24 \\
&21. ((8*12)/(9-5)) = 24 \\
&22. (9-((5-12)-8)) = 24 \\
&23. ((8-(5-12))+9) = 24 \\
&24. (8-((5-12)-9)) = 24 \\
&25. ((9-(5-12))+8) = 24 \\
&26. ((8+9)-(5-12)) = 24 \\
&27. (((12-5)+8)+9) = 24 \\
&28. (((12-5)+9)+8) = 24 \\
&29. ((12-5)+(8+9)) = 24 \\
&30. (12-(5-(8+9))) = 24 \\
&31. (((8+9)-5)+12) = 24 \\
&32. (((8+9)+12)-5) = 24 \\
&33. (9-(5-(8+12))) = 24 \\
&34. (((8+12)-5)+9) = 24 \\
&35. (((8+12)+9)-5) = 24 \\
&36. ((9+12)-(5-8)) = 24 \\
&37. ((8-5)+(9+12)) = 24 \\
&38. (8-(5-(9+12))) = 24 \\
&39. (((9+12)-5)+8) = 24 \\
&40. ((8+(9+12))-5) = 24
\end{aligned}$$

1445. [5, 8, 9, 13]

$$\begin{aligned}
&1. (((5*9)-8)-13) = 24 \\
&2. (((5*9)-13)-8) = 24 \\
&3. ((5*9)-(8+13)) = 24
\end{aligned}$$

1446. [5, 8, 10, 10]

无解

1447. [5, 8, 10, 11]

$$\begin{aligned}
&1. (10-((5-8)-11)) = 24 \\
&2. ((11-(5-8))+10) = 24 \\
&3. (11-((5-8)-10)) = 24 \\
&4. ((10-(5-8))+11) = 24 \\
&5. ((11+10)-(5-8)) = 24 \\
&6. (((8-5)+11)+10) = 24 \\
&7. (((8-5)+10)+11) = 24 \\
&8. ((8-5)+(11+10)) = 24 \\
&9. (11-((5-10)-8)) = 24 \\
&10. ((8-(5-10))+11) = 24 \\
&11. (8-((5-10)-11)) = 24 \\
&12. ((11-(5-10))+8) = 24 \\
&13. ((8+11)-(5-10)) = 24 \\
&14. (((10-5)+8)+11) = 24 \\
&15. (((10-5)+11)+8) = 24
\end{aligned}$$

$$\begin{aligned}
&16. ((10-5)+(8+11)) = 24 \\
&17. (10-((5-11)-8)) = 24 \\
&18. ((8-(5-11))+10) = 24 \\
&19. (8-((5-11)-10)) = 24 \\
&20. ((10-(5-11))+8) = 24 \\
&21. ((8+10)-(5-11)) = 24 \\
&22. (((11-5)+8)+10) = 24 \\
&23. (((11-5)+10)+8) = 24 \\
&24. ((11-5)+(8+10)) = 24 \\
&25. (11-(5-(8+10))) = 24 \\
&26. (((8+10)-5)+11) = 24 \\
&27. (((8+10)+11)-5) = 24 \\
&28. (10-(5-(8+11))) = 24 \\
&29. (((8+11)-5)+10) = 24 \\
&30. (((8+11)+10)-5) = 24 \\
&31. ((10+11)-(5-8)) = 24 \\
&32. ((8-5)+(10+11)) = 24 \\
&33. (8-(5-(10+11))) = 24 \\
&34. (((10+11)-5)+8) = 24 \\
&35. ((8+(10+11))-5) = 24
\end{aligned}$$

1448. [5, 8, 10, 12]

$$\begin{aligned}
&1. (((5+10)-12)*8) = 24 \\
&2. (((5-12)+10)*8) = 24 \\
&3. ((10-(12-5))*8) = 24 \\
&4. ((5+(10-12))*8) = 24 \\
&5. ((5-(12-10))*8) = 24
\end{aligned}$$

1449. [5, 8, 10, 13]

无解

1450. [5, 8, 11, 11]

无解

1451. [5, 8, 11, 12]

$$\begin{aligned}
&1. (((5+8)-11)*12) = 24 \\
&2. (((5+11)/8)*12) = 24 \\
&3. (12/(8/(5+11))) = 24 \\
&4. (((5+11)*12)/8) = 24 \\
&5. ((5+11)/(8/12)) = 24 \\
&6. ((5+11)*(12/8)) = 24 \\
&7. (((5-11)+8)*12) = 24 \\
&8. ((5-11)*(8-12)) = 24 \\
&9. ((8-(11-5))*12) = 24 \\
&10. ((11-5)*(12-8)) = 24 \\
&11. ((5+(8-11))*12) = 24 \\
&12. ((5-(11-8))*12) = 24
\end{aligned}$$

1452. [5, 8, 11, 13]

$$\begin{aligned}
&1. (((5+11)-13)*8) = 24 \\
&2. (((5-13)+11)*8) = 24 \\
&3. ((5-13)*(8-11)) = 24 \\
&4. ((11-(13-5))*8) = 24 \\
&5. ((13-5)*(11-8)) = 24 \\
&6. ((5+(11-13))*8) = 24 \\
&7. ((5-(13-11))*8) = 24
\end{aligned}$$

1453. [5, 8, 12, 12]

$$1. (((8-5)*12)-12) = 24$$

1454. [5, 8, 12, 13]

无解

1455. [5, 8, 13, 13]

无解

1456. [5, 9, 9, 9]

无解

1457. [5, 9, 9, 10]

无解

1458. [5, 9, 9, 11]

$$\begin{aligned}
&1. (9-((5-9)-11)) = 24 \\
&2. ((11-(5-9))+9) = 24 \\
&3. (11-((5-9)-9)) = 24 \\
&4. ((9-(5-9))+11) = 24 \\
&5. ((11+9)-(5-9)) = 24 \\
&6. (((9-5)+11)+9) = 24 \\
&7. (((9-5)+9)+11) = 24 \\
&8. ((9-5)+(11+9)) = 24 \\
&9. ((9+11)-(5-9)) = 24 \\
&10. ((9-5)+(9+11)) = 24 \\
&11. (9-((5-11)-9)) = 24 \\
&12. ((9-(5-11))+9) = 24 \\
&13. ((9+9)-(5-11)) = 24 \\
&14. (((11-5)+9)+9) = 24 \\
&15. ((11-5)+(9+9)) = 24 \\
&16. (11-(5-(9+9))) = 24 \\
&17. (((9+9)-5)+11) = 24 \\
&18. (((9+9)+11)-5) = 24 \\
&19. (9-(5-(9+11))) = 24 \\
&20. (((9+11)-5)+9) = 24 \\
&21. (((9+11)+9)-5) = 24 \\
&22. ((9+(9+11))-5) = 24
\end{aligned}$$

1459. [5, 9, 9, 12]

$$1. (((9-5)*9)-12) = 24$$

2. $((5*9)-12)-9 = 24$
3. $((5*9)-9)-12 = 24$
4. $((5*9)-(12+9)) = 24$
5. $((5*9)-(9+12)) = 24$
6. $(9-(5*(9-12))) = 24$
7. $((5*(12-9))+9) = 24$

1460. [5, 9, 9, 13]

无解

1461. [5, 9, 10, 10]

1. $(10-((5-9)-10)) = 24$
2. $((10-(5-9))+10) = 24$
3. $((10+10)-(5-9)) = 24$
4. $((9-5)+10)+10 = 24$
5. $((9-5)+(10+10)) = 24$
6. $(10-((5-10)-9)) = 24$
7. $((9-(5-10))+10) = 24$
8. $(9-((5-10)-10)) = 24$
9. $((10-(5-10))+9) = 24$
10. $((9+10)-(5-10)) = 24$
11. $((10-5)+9)+10 = 24$
12. $((10-5)+10)+9 = 24$
13. $((10-5)+(9+10)) = 24$
14. $(10-(5-(9+10))) = 24$
15. $((9+10)-5)+10 = 24$
16. $((9+10)+10)-5 = 24$
17. $(9-(5-(10+10))) = 24$
18. $((10+10)-5)+9 = 24$
19. $((9+(10+10))-5) = 24$

1462. [5, 9, 10, 11]

1. $((5*9)-11)-10 = 24$
2. $((5*9)-10)-11 = 24$
3. $((5*9)-(11+10)) = 24$
4. $((5*9)-(10+11)) = 24$

1463. [5, 9, 10, 12]

无解

1464. [5, 9, 10, 13]

1. $((10/5)+9)+13 = 24$
2. $((10/5)+13)+9 = 24$
3. $((10/5)+(9+13)) = 24$
4. $(9-(5*(10-13))) = 24$
5. $((5*(13-10))+9) = 24$

1465. [5, 9, 11, 11]

无解

1466. [5, 9, 11, 12]

无解

1467. [5, 9, 11, 13]

1. $((5-11)*(9-13)) = 24$
2. $((11-5)*(13-9)) = 24$

1468. [5, 9, 12, 12]

1. $((5+9)-12)*12 = 24$
2. $((5-12)+9)*12 = 24$
3. $((9-(12-5))*12) = 24$
4. $((5+(9-12))*12) = 24$
5. $((5-(12-9))*12) = 24$
6. $((9*12)+12)/5 = 24$

1469. [5, 9, 12, 13]

1. $((5+13)/9)*12 = 24$
2. $(12/(9/(5+13))) = 24$
3. $((5+13)*12)/9 = 24$
4. $((5+13)/(9/12)) = 24$
5. $((5+13)*(12/9)) = 24$
6. $((5-13)*(9-12)) = 24$
7. $((13-5)*(12-9)) = 24$

1470. [5, 9, 13, 13]

无解

1471. [5, 10, 10, 10]

无解

1472. [5, 10, 10, 11]

1. $((10*11)+10)/5 = 24$
2. $((10+(10*11))/5) = 24$

1473. [5, 10, 10, 12]

1. $(10/((10-5)/12)) = 24$
2. $((12/(10-5))*10) = 24$
3. $(12/((10-5)/10)) = 24$
4. $((10/(10-5))*12) = 24$
5. $((12*10)/(10-5)) = 24$
6. $((10/5)+12)+10 = 24$
7. $((10/5)+10)+12 = 24$
8. $((10/5)+(12+10)) = 24$
9. $((10*12)/(10-5)) = 24$
10. $((10/5)+(10+12)) = 24$

1474. [5, 10, 10, 13]

1. $((10*13)-10)/5 = 24$

1475. [5, 10, 11, 11]

1. $((10/5)+11)+11 = 24$
2. $((10/5)+(11+11)) = 24$

1476. [5, 10, 11, 12]

无解

1477. [5, 10, 11, 13]

无解

1478. [5, 10, 12, 12]

无解

1479. [5, 10, 12, 13]

1. $((5+10)-13)*12 = 24$
2. $((5-13)+10)*12 = 24$
3. $((10-(13-5))*12) = 24$
4. $((5+(10-13))*12) = 24$
5. $((5-(13-10))*12) = 24$

1480. [5, 10, 13, 13]

1. $((5*10)-13)-13 = 24$
2. $((5*10)-(13+13)) = 24$
3. $(13-((10/5)-13)) = 24$
4. $((13-(10/5))+13) = 24$
5. $((13+13)-(10/5)) = 24$
6. $((5-13)*(10-13)) = 24$
7. $((13-5)*(13-10)) = 24$

1481. [5, 11, 11, 11]

无解

1482. [5, 11, 11, 12]

无解

1483. [5, 11, 11, 13]

无解

1484. [5, 11, 12, 12]

1. $(12/((11-5)/12)) = 24$
2. $((12/(11-5))*12) = 24$
3. $((12*12)/(11-5)) = 24$
4. $((11*12)-12)/5 = 24$

1485. [5, 11, 12, 13]

无解

1486. [5, 11, 13, 13]

无解

1487. [5, 12, 12, 12]

无解

1488. [5, 12, 12, 13]

无解

1489. [5, 12, 13, 13]

无解

1490. [5, 13, 13, 13]

无解

1491. [6, 6, 6, 6]

1. $((6+6)+6)+6 = 24$
2. $((6+6)+(6+6)) = 24$
3. $((6*6)-(6+6)) = 24$
4. $((6*6)-6)-6 = 24$
5. $((6+(6+6))+6) = 24$
6. $(6+((6+6)+6)) = 24$
7. $(6+(6+(6+6))) = 24$

1492. [6, 6, 6, 7]

无解

1493. [6, 6, 6, 8]

1. $((6+6)-8)*6 = 24$
2. $((6+6)*(8-6)) = 24$
3. $((6-8)+6)*6 = 24$
4. $((6-(8-6))*6) = 24$
5. $((8-6)*(6+6)) = 24$
6. $(6*((6+6)-8)) = 24$
7. $((6+(6-8))*6) = 24$
8. $(6*((6-8)+6)) = 24$
9. $(6*(6-(8-6))) = 24$
10. $(6*(6+(6-8))) = 24$

1494. [6, 6, 6, 9]

1. $((6*6)/9)*6 = 24$
2. $(6/(9/(6*6))) = 24$
3. $((6*6)*6)/9 = 24$
4. $((6*6)/(9/6)) = 24$
5. $((6*6)*(6/9)) = 24$
6. $(6-((6-9)*6)) = 24$
7. $((9-6)*6)+6 = 24$
8. $((6/9)*6)*6 = 24$
9. $((6/9)*(6*6)) = 24$
10. $(6/((9/6)/6)) = 24$

$$\begin{aligned}
11. & ((6/(9/6))*6) = 24 \\
12. & ((6*(6*6))/9) = 24 \\
13. & (6*((6*6)/9)) = 24 \\
14. & (6-(6*(6-9))) = 24 \\
15. & ((6*(9-6))+6) = 24 \\
16. & (6+((9-6)*6)) = 24 \\
17. & ((6*(6/9))*6) = 24 \\
18. & (6*((6/9)*6)) = 24 \\
19. & (6*(6/(9/6))) = 24 \\
20. & (6+(6*(9-6))) = 24 \\
21. & (6*(6*(6/9))) = 24
\end{aligned}$$

$$1495. [6, 6, 6, 10]$$

$$\begin{aligned}
1. & (((10*6)-(6*6)) = 24 \\
2. & ((6*10)-(6*6)) = 24
\end{aligned}$$

$$1496. [6, 6, 6, 11]$$

$$\begin{aligned}
1. & (((11-6)*6)-6) = 24 \\
2. & ((6*(11-6))-6) = 24
\end{aligned}$$

$$1497. [6, 6, 6, 12]$$

$$\begin{aligned}
1. & (((6+6)*12)/6) = 24 \\
2. & (((6+6)/6)*12) = 24 \\
3. & (12/(6/(6+6))) = 24 \\
4. & ((6+6)*(12/6)) = 24 \\
5. & ((6+6)/(6/12)) = 24 \\
6. & ((6-(12/6))*6) = 24 \\
7. & ((12/6)*(6+6)) = 24 \\
8. & (6*(6-(12/6))) = 24
\end{aligned}$$

$$1498. [6, 6, 6, 13]$$

无解

$$1499. [6, 6, 7, 7]$$

无解

$$1500. [6, 6, 7, 8]$$

无解

$$1501. [6, 6, 7, 9]$$

$$\begin{aligned}
1. & ((6+6)*(9-7)) = 24 \\
2. & (((6+7)-9)*6) = 24 \\
3. & (((6-9)+7)*6) = 24 \\
4. & ((7-(9-6))*6) = 24 \\
5. & (6*((6+7)-9)) = 24 \\
6. & (6*((6-9)+7)) = 24 \\
7. & (6*(7-(9-6))) = 24 \\
8. & ((6+(7-9))*6) = 24 \\
9. & (6*(6+(7-9))) = 24
\end{aligned}$$

$$10. ((6-(9-7))*6) = 24$$

$$11. (6*(6-(9-7))) = 24$$

$$1502. [6, 6, 7, 10]$$

$$\begin{aligned}
1. & (6-(6*(7-10))) = 24 \\
2. & ((6*(10-7))+6) = 24 \\
3. & (6+(6*(10-7))) = 24
\end{aligned}$$

$$1503. [6, 6, 7, 11]$$

$$1. ((6*11)-(6*7)) = 24$$

$$1504. [6, 6, 7, 12]$$

$$\begin{aligned}
1. & (((6*7)-6)-12) = 24 \\
2. & (((6*7)-12)-6) = 24 \\
3. & ((6*7)-(6+12)) = 24 \\
4. & ((6*(12-7))-6) = 24
\end{aligned}$$

$$1505. [6, 6, 7, 13]$$

无解

$$1506. [6, 6, 8, 8]$$

$$\begin{aligned}
1. & (8/((8-6)/6)) = 24 \\
2. & ((6/(8-6))*8) = 24 \\
3. & (6/((8-6)/8)) = 24 \\
4. & ((8/(8-6))*6) = 24 \\
5. & ((6*8)/(8-6)) = 24 \\
6. & (6*(8/(8-6))) = 24
\end{aligned}$$

$$1507. [6, 6, 8, 9]$$

$$\begin{aligned}
1. & (((6+6)-9)*8) = 24 \\
2. & (6-((6-8)*9)) = 24 \\
3. & (((8-6)*9)+6) = 24 \\
4. & (((6-9)+6)*8) = 24 \\
5. & ((6-(9-6))*8) = 24 \\
6. & (6+((8-6)*9)) = 24 \\
7. & ((6+(6-9))*8) = 24
\end{aligned}$$

$$1508. [6, 6, 8, 10]$$

$$\begin{aligned}
1. & ((6+6)*(10-8)) = 24 \\
2. & (((6+8)-10)*6) = 24 \\
3. & (((6-10)+8)*6) = 24 \\
4. & ((8-(10-6))*6) = 24 \\
5. & (6*((6+8)-10)) = 24 \\
6. & (6*((6-10)+8)) = 24 \\
7. & (6*(8-(10-6))) = 24 \\
8. & ((6+(8-10))*6) = 24 \\
9. & (6*(6+(8-10))) = 24 \\
10. & ((6-(10-8))*6) = 24 \\
11. & (6*(6-(10-8))) = 24
\end{aligned}$$

$$1509. [6, 6, 8, 11]$$

$$\begin{aligned}
1. & (6-(6*(8-11))) = 24 \\
2. & ((6*(11-8))+6) = 24 \\
3. & (6+(6*(11-8))) = 24
\end{aligned}$$

$$1510. [6, 6, 8, 12]$$

$$\begin{aligned}
1. & (((6*6)/12)*8) = 24 \\
2. & (8/(12/(6*6))) = 24 \\
3. & (((6*6)*8)/12) = 24 \\
4. & ((6*6)/(12/8)) = 24 \\
5. & ((6*6)*(8/12)) = 24 \\
6. & (12-((6-8)*6)) = 24 \\
7. & (((8-6)*6)+12) = 24 \\
8. & (((6*8)*6)/12) = 24 \\
9. & (((6*8)/12)*6) = 24 \\
10. & (6/(12/(6*8))) = 24 \\
11. & ((6*12)-(6*8)) = 24 \\
12. & ((6*8)*(6/12)) = 24 \\
13. & ((6*8)/(12/6)) = 24 \\
14. & ((6+12)/(6/8)) = 24 \\
15. & ((8/6)*(6+12)) = 24 \\
16. & (((6+12)/6)*8) = 24 \\
17. & (8/(6/(6+12))) = 24 \\
18. & (((6+12)*8)/6) = 24 \\
19. & ((6+12)*(8/6)) = 24 \\
20. & (((6/12)*6)*8) = 24 \\
21. & (((6/12)*8)*6) = 24 \\
22. & ((6/12)*(6*8)) = 24 \\
23. & (8/((12/6)/6)) = 24 \\
24. & ((6/(12/6))*8) = 24 \\
25. & (6/((12/6)/8)) = 24 \\
26. & ((8/(12/6))*6) = 24 \\
27. & (12-(6*(6-8))) = 24 \\
28. & ((6*(8-6))+12) = 24 \\
29. & ((6*(6*8))/12) = 24 \\
30. & (6*((6*8)/12)) = 24 \\
31. & ((6*(6/12))*8) = 24 \\
32. & (6*((6/12)*8)) = 24 \\
33. & (6*(8/(12/6))) = 24 \\
34. & ((6*(8/12))*6) = 24 \\
35. & (6*(6*(8/12))) = 24 \\
36. & ((6/(12/8))*6) = 24 \\
37. & (6/((12/8)/6)) = 24 \\
38. & (6*(6/(12/8))) = 24
\end{aligned}$$

$$1511. [6, 6, 8, 13]$$

$$1. ((6*(13-8))-6) = 24$$

$$1512. [6, 6, 9, 9]$$

无解

$$1513. [6, 6, 9, 10]$$

$$\begin{aligned}
1. & (((9-6)*10)-6) = 24 \\
2. & ((6+10)/(6/9)) = 24 \\
3. & ((9/6)*(6+10)) = 24 \\
4. & (((6+10)/6)*9) = 24 \\
5. & (9/(6/(6+10))) = 24 \\
6. & (((6+10)*9)/6) = 24 \\
7. & ((6+10)*(9/6)) = 24
\end{aligned}$$

$$1514. [6, 6, 9, 11]$$

$$\begin{aligned}
1. & ((6+6)*(11-9)) = 24 \\
2. & (((6+9)-11)*6) = 24 \\
3. & (((6-11)+9)*6) = 24 \\
4. & ((9-(11-6))*6) = 24 \\
5. & (6*((6+9)-11)) = 24 \\
6. & (6*((6-11)+9)) = 24 \\
7. & (6*(9-(11-6))) = 24 \\
8. & ((6+(9-11))*6) = 24 \\
9. & (6*(6+(9-11))) = 24 \\
10. & ((6-(11-9))*6) = 24 \\
11. & (6*(6-(11-9))) = 24
\end{aligned}$$

$$1515. [6, 6, 9, 12]$$

$$\begin{aligned}
1. & (12/((9-6)/6)) = 24 \\
2. & ((6/(9-6))*12) = 24 \\
3. & (6/((9-6)/12)) = 24 \\
4. & ((12/(9-6))*6) = 24 \\
5. & ((6*12)/(9-6)) = 24 \\
6. & ((12/(6/9))+6) = 24 \\
7. & (((9/6)*12)+6) = 24 \\
8. & ((9/(6/12))+6) = 24 \\
9. & (((12/6)*9)+6) = 24 \\
10. & (6*(12/(9-6))) = 24 \\
11. & (6+(12/(6/9))) = 24 \\
12. & (6+((9/6)*12)) = 24 \\
13. & (6+(9/(6/12))) = 24 \\
14. & (6+((12/6)*9)) = 24 \\
15. & (6-(6*(9-12))) = 24 \\
16. & ((6*(12-9))+6) = 24 \\
17. & (6+(6*(12-9))) = 24 \\
18. & (((9*12)/6)+6) = 24 \\
19. & (6+((9*12)/6)) = 24
\end{aligned}$$

$$1516. [6, 6, 9, 13]$$

$$1. ((6*13)-(6*9)) = 24$$

1517. [6, 6, 10, 10]

无解

1518. [6, 6, 10, 11]

无解

1519. [6, 6, 10, 12]

1. $((6+6)-10)*12 = 24$
2. $((6+6)*(12-10)) = 24$
3. $((6+10)-12)*6 = 24$
4. $((6-10)+6)*12 = 24$
5. $((6-10)*(6-12)) = 24$
6. $((6-(10-6))*12) = 24$
7. $((10-6)*(12-6)) = 24$
8. $((6-12)+10)*6 = 24$
9. $((6-12)*(6-10)) = 24$
10. $((10-(12-6))*6) = 24$
11. $((12-6)*(10-6)) = 24$
12. $(6*((6+10)-12)) = 24$
13. $((6+(6-10))*12) = 24$
14. $(6*((6-12)+10)) = 24$
15. $(6*(10-(12-6))) = 24$
16. $((6+(10-12))*6) = 24$
17. $(6*(6+(10-12))) = 24$
18. $((6-(12-10))*6) = 24$
19. $(6*(6-(12-10))) = 24$

1520. [6, 6, 10, 13]

1. $((6/6)+13)+10 = 24$
2. $((6/6)+10)+13 = 24$
3. $((6/6)+(13+10)) = 24$
4. $((6/6)+(10+13)) = 24$
5. $(6-(6*(10-13))) = 24$
6. $((6*(13-10))+6) = 24$
7. $(6+(6*(13-10))) = 24$

1521. [6, 6, 11, 11]

无解

1522. [6, 6, 11, 12]

1. $((6/6)+12)+11 = 24$
2. $((6/6)+11)+12 = 24$
3. $((6/6)+(12+11)) = 24$
4. $((6/6)+(11+12)) = 24$

1523. [6, 6, 11, 13]

1. $((6+6)*(13-11)) = 24$
2. $((6-6)+13)+11 = 24$
3. $(11-((6-6)-13)) = 24$

$$4. ((13-(6-6))+11) = 24$$

5. $((6-6)+11)+13 = 24$
6. $(13-((6-6)-11)) = 24$
7. $((11-(6-6))+13) = 24$
8. $((6-6)+(13+11)) = 24$
9. $((13+11)-(6-6)) = 24$
10. $((6/6)*13)+11 = 24$
11. $((13/(6/6))+11) = 24$
12. $((6/6)*11)+13 = 24$
13. $((11/(6/6))+13) = 24$
14. $((6/6)*(13+11)) = 24$
15. $((13+11)/(6/6)) = 24$
16. $((6+11)-6)+13 = 24$
17. $(13-(6-(6+11))) = 24$
18. $((6+11)+13)-6 = 24$
19. $((6+11)-13)*6 = 24$
20. $((6+11)-(6-13)) = 24$
21. $((6+11)+(13-6)) = 24$
22. $(13-((6-11)-6)) = 24$
23. $((6-(6-11))+13) = 24$
24. $(6-((6-11)-13)) = 24$
25. $((13-(6-11))+6) = 24$
26. $((6+13)-(6-11)) = 24$
27. $((11-6)+6)+13 = 24$
28. $((11-6)+13)+6 = 24$
29. $((11-6)+(6+13)) = 24$
30. $((6*11)/6)+13 = 24$
31. $((6/(6/11))+13) = 24$
32. $((11/6)*6)+13 = 24$
33. $((6+13)-6)+11 = 24$
34. $(11-(6-(6+13))) = 24$
35. $((6+13)+11)-6 = 24$
36. $((6+13)+(11-6)) = 24$
37. $(11-((6-13)-6)) = 24$
38. $((6-(6-13))+11) = 24$
39. $((6-13)+11)*6 = 24$
40. $(6-((6-13)-11)) = 24$
41. $((11-(6-13))+6) = 24$
42. $((13-6)+6)+11 = 24$
43. $((13-6)+11)+6 = 24$
44. $((11-(13-6))*6) = 24$
45. $((13-6)+(6+11)) = 24$
46. $((6*13)/6)+11 = 24$
47. $((6/(6/13))+11) = 24$
48. $((13/6)*6)+11 = 24$
49. $(6*((6+11)-13)) = 24$
50. $(6+(13-(6-11))) = 24$
51. $((6+(11-6))+13) = 24$
52. $(6+((11-6)+13)) = 24$

$$53. ((6*(11/6))+13) = 24$$

54. $(6*((6-13)+11)) = 24$
55. $(6+(11-(6-13))) = 24$
56. $((6+(13-6))+11) = 24$
57. $(6+((13-6)+11)) = 24$
58. $(6*(11-(13-6))) = 24$
59. $((6*(13/6))+11) = 24$
60. $((6-6)+(11+13)) = 24$
61. $((11+13)-(6-6)) = 24$
62. $((6/6)*(11+13)) = 24$
63. $((11+13)/(6/6)) = 24$
64. $((6+(11+13))-6) = 24$
65. $(6-(6-(11+13))) = 24$
66. $((11+13)-6)+6 = 24$
67. $((6*(11+13))/6) = 24$
68. $(6/(6/(11+13))) = 24$
69. $((11+13)/6)*6 = 24$
70. $(6+((11+13)-6)) = 24$
71. $(6*((11+13)/6)) = 24$
72. $((6+(11-13))*6) = 24$
73. $(6*(6+(11-13))) = 24$
74. $((6-(13-11))*6) = 24$
75. $(6*(6-(13-11))) = 24$

1524. [6, 6, 12, 12]

1. $((6-6)+12)+12 = 24$
2. $(12-((6-6)-12)) = 24$
3. $((12-(6-6))+12) = 24$
4. $((6-6)+(12+12)) = 24$
5. $((12+12)-(6-6)) = 24$
6. $((6/6)*12)+12 = 24$
7. $((12/(6/6))+12) = 24$
8. $((6/6)*(12+12)) = 24$
9. $((12+12)/(6/6)) = 24$
10. $((6+12)-6)+12 = 24$
11. $(12-(6-(6+12))) = 24$
12. $((6+12)+12)-6 = 24$
13. $((6+12)-(6-12)) = 24$
14. $((6+12)+(12-6)) = 24$
15. $(12-((6-12)-6)) = 24$
16. $((6-(6-12))+12) = 24$
17. $(6-((6-12)-12)) = 24$
18. $((12-(6-12))+6) = 24$
19. $((12-6)+6)+12 = 24$
20. $((12-6)*6)-12 = 24$
21. $((12-6)+12)+6 = 24$
22. $((12-6)+(6+12)) = 24$
23. $((6*12)/6)+12 = 24$
24. $((6/(6/12))+12) = 24$

$$25. (((12/6)*6)+12) = 24$$

26. $(6+(12-(6-12))) = 24$
27. $((6+(12-6))+12) = 24$
28. $((6*(12-6))-12) = 24$
29. $(6+((12-6)+12)) = 24$
30. $((6*(12/6))+12) = 24$
31. $((6+(12+12))-6) = 24$
32. $(6-(6-(12+12))) = 24$
33. $((12+12)-6)+6 = 24$
34. $((6*(12+12))/6) = 24$
35. $(6/(6/(12+12))) = 24$
36. $((12+12)/6)*6 = 24$
37. $(6+((12+12)-6)) = 24$
38. $(6*((12+12)/6)) = 24$

1525. [6, 6, 12, 13]

1. $(12-((6/6)-13)) = 24$
2. $((13-(6/6))+12) = 24$
3. $(13-((6/6)-12)) = 24$
4. $((12-(6/6))+13) = 24$
5. $((13+12)-(6/6)) = 24$
6. $((12+13)-(6/6)) = 24$

1526. [6, 6, 13, 13]

无解

1527. [6, 7, 7, 7]

无解

1528. [6, 7, 7, 8]

无解

1529. [6, 7, 7, 9]

无解

1530. [6, 7, 7, 10]

1. $(6*((7+7)-10)) = 24$
2. $(6*((7-10)+7)) = 24$
3. $(6*(7-(10-7))) = 24$
4. $(6*(7+(7-10))) = 24$

1531. [6, 7, 7, 11]

1. $((6*7)-11)-7 = 24$
2. $((6*7)-7)-11 = 24$
3. $((6*7)-(11+7)) = 24$
4. $((6*7)-(7+11)) = 24$

1532. [6, 7, 7, 12]

无解

1533. [6, 7, 7, 13]

无解

1534. [6, 7, 8, 8]

无解

1535. [6, 7, 8, 9]

1. $((6*8)/(9-7)) = 24$

2. $((6/(9-7))*8) = 24$

3. $(8/((9-7)/6)) = 24$

4. $(6/((9-7)/8)) = 24$

5. $(6*(8/(9-7))) = 24$

1536. [6, 7, 8, 10]

1. $((6+7)-10)*8 = 24$

2. $((6*7)-10)-8 = 24$

3. $((6*7)-8)-10 = 24$

4. $((6*7)-(10+8)) = 24$

5. $(10-((6-8)*7)) = 24$

6. $((8-6)*7)+10 = 24$

7. $((6-10)+7)*8 = 24$

8. $((7-(10-6))*8) = 24$

9. $((6+(7-10))*8) = 24$

10. $((6-(10-7))*8) = 24$

11. $((6*7)-(8+10)) = 24$

1537. [6, 7, 8, 11]

1. $((7+11)/(6/8)) = 24$

2. $((8/6)*(7+11)) = 24$

3. $(6*((7+8)-11)) = 24$

4. $(8/(6/(7+11))) = 24$

5. $((7+11)/6)*8 = 24$

6. $((7+11)*8)/6 = 24$

7. $(6*((7-11)+8)) = 24$

8. $(6*(8-(11-7))) = 24$

9. $(6*(7+(8-11))) = 24$

10. $(6*(7-(11-8))) = 24$

1538. [6, 7, 8, 12]

1. $((6+8)/7)*12 = 24$

2. $(12/(7/(6+8))) = 24$

3. $((6+8)*12)/7 = 24$

4. $((6+8)/(7/12)) = 24$

5. $((6+8)*(12/7)) = 24$

1539. [6, 7, 8, 13]

无解

1540. [6, 7, 9, 9]

1. $((6*7)-9)-9 = 24$

2. $((6*7)-(9+9)) = 24$

3. $((7+9)/(6/9)) = 24$

4. $((9/6)*(7+9)) = 24$

5. $(9/(6/(7+9))) = 24$

6. $((7+9)/6)*9 = 24$

7. $((7+9)*9)/6 = 24$

8. $(6-((7-9)*9)) = 24$

9. $(6+((9-7)*9)) = 24$

1541. [6, 7, 9, 10]

无解

1542. [6, 7, 9, 11]

无解

1543. [6, 7, 9, 12]

1. $(6*((7+9)-12)) = 24$

2. $(12-(6*(7-9))) = 24$

3. $((6*(9-7))+12) = 24$

4. $(6*((7-12)+9)) = 24$

5. $(6*(9-(12-7))) = 24$

6. $(6*(7+(9-12))) = 24$

7. $(6*(7-(12-9))) = 24$

1544. [6, 7, 9, 13]

无解

1545. [6, 7, 10, 10]

1. $((10-7)*10)-6 = 24$

1546. [6, 7, 10, 11]

无解

1547. [6, 7, 10, 12]

1. $((12/(6/7))+10) = 24$

2. $((7/6)*12)+10 = 24$

3. $((7*12)-(6*10)) = 24$

4. $((6*12)/(10-7)) = 24$

5. $((7/(6/12))+10) = 24$

6. $((12/6)*7)+10 = 24$

7. $((6/(10-7))*12) = 24$

8. $(12/((10-7)/6)) = 24$

9. $(6/((10-7)/12)) = 24$

10. $(6*(12/(10-7))) = 24$

11. $((7*12)/6)+10 = 24$

1548. [6, 7, 10, 13]

1. $(10-((6-7)-13)) = 24$

2. $((13-(6-7))+10) = 24$

3. $(13-((6-7)-10)) = 24$

4. $((10-(6-7))+13) = 24$

5. $((13+10)-(6-7)) = 24$

6. $((7-6)+13)+10 = 24$

7. $((7-6)+10)+13 = 24$

8. $((7-6)+(13+10)) = 24$

9. $(13-((6-10)-7)) = 24$

10. $((7-(6-10))+13) = 24$

11. $(7-((6-10)-13)) = 24$

12. $((13-(6-10))+7) = 24$

13. $((7+13)-(6-10)) = 24$

14. $((6-10)*(7-13)) = 24$

15. $((10-6)+7)+13 = 24$

16. $((10-6)+13)+7 = 24$

17. $((10-6)+(7+13)) = 24$

18. $((10-6)*(13-7)) = 24$

19. $(10-((6-13)-7)) = 24$

20. $((7-(6-13))+10) = 24$

21. $(7-((6-13)-10)) = 24$

22. $((10-(6-13))+7) = 24$

23. $((7+10)-(6-13)) = 24$

24. $((13-6)+7)+10 = 24$

25. $((13-6)+10)+7 = 24$

26. $((13-6)+(7+10)) = 24$

27. $(13-(6-(7+10))) = 24$

28. $((7+10)-6)+13 = 24$

29. $((7+10)+13)-6 = 24$

30. $(6*((7+10)-13)) = 24$

31. $(10-(6-(7+13))) = 24$

32. $((7+13)-6)+10 = 24$

33. $((7+13)+10)-6 = 24$

34. $(6*((7-13)+10)) = 24$

35. $(6*(10-(13-7))) = 24$

36. $((10+13)-(6-7)) = 24$

37. $((7-6)+(10+13)) = 24$

38. $(7-(6-(10+13))) = 24$

39. $((10+13)-6)+7 = 24$

40. $((7+(10+13))-6) = 24$

41. $(6*(7+(10-13))) = 24$

42. $(6*(7-(13-10))) = 24$

1549. [6, 7, 11, 11]

1. $((11-6)*7)-11 = 24$

1550. [6, 7, 11, 12]

1. $((6+7)-11)*12 = 24$

2. $(11-((6-7)-12)) = 24$

3. $((12-(6-7))+11) = 24$

4. $(12-((6-7)-11)) = 24$

5. $((11-(6-7))+12) = 24$

6. $((12+11)-(6-7)) = 24$

7. $((7-6)+12)+11 = 24$

8. $((7-6)+11)+12 = 24$

9. $((7-6)+(12+11)) = 24$

10. $((6-11)+7)*12 = 24$

11. $(12-((6-11)-7)) = 24$

12. $((7-(6-11))+12) = 24$

13. $(7-((6-11)-12)) = 24$

14. $((12-(6-11))+7) = 24$

15. $((7+12)-(6-11)) = 24$

16. $((11-6)+7)+12 = 24$

17. $((7-(11-6))*12) = 24$

18. $((11-6)+12)+7 = 24$

19. $((11-6)+(7+12)) = 24$

20. $(11-((6-12)-7)) = 24$

21. $((7-(6-12))+11) = 24$

22. $(7-((6-12)-11)) = 24$

23. $((11-(6-12))+7) = 24$

24. $((7+11)-(6-12)) = 24$

25. $((6-12)*(7-11)) = 24$

26. $((12-6)+7)+11 = 24$

27. $((12-6)+11)+7 = 24$

28. $((12-6)+(7+11)) = 24$

29. $((12-6)*(11-7)) = 24$

30. $(12-(6-(7+11))) = 24$

31. $((7+11)-6)+12 = 24$

32. $((7+11)+12)-6 = 24$

33. $((6+(7-11))*12) = 24$

34. $((6-(11-7))*12) = 24$

35. $(11-(6-(7+12))) = 24$

36. $((7+12)-6)+11 = 24$

37. $((7+12)+11)-6 = 24$

38. $((11+12)-(6-7)) = 24$

39. $((7-6)+(11+12)) = 24$

40. $(7-(6-(11+12))) = 24$

41. $((11+12)-6)+7 = 24$

42. $((7+(11+12))-6) = 24$

1551. [6, 7, 11, 13]

1. $(11-((6-7)*13)) = 24$

2. $(11-(13/(6-7))) = 24$

3. $(13-((6-7)*11)) = 24$

4. $(13-(11/(6-7))) = 24$

5. $((7-6)*13)+11 = 24$

6. $((13/(7-6))+11) = 24$

7. $((7-6)*11)+13 = 24$

$$\begin{aligned} 8. & ((11/(7-6))+13) = 24 \\ 9. & ((7-6)*(13+11)) = 24 \\ 10. & ((13+11)/(7-6)) = 24 \\ 11. & ((7-6)*(11+13)) = 24 \\ 12. & ((11+13)/(7-6)) = 24 \end{aligned}$$

1552. [6, 7, 12, 12]

$$\begin{aligned} 1. & (12-((6-7)*12)) = 24 \\ 2. & (12-(12/(6-7))) = 24 \\ 3. & (((7-6)*12)+12) = 24 \\ 4. & ((12/(7-6))+12) = 24 \\ 5. & ((7-6)*(12+12)) = 24 \\ 6. & ((12+12)/(7-6)) = 24 \end{aligned}$$

1553. [6, 7, 12, 13]

$$\begin{aligned} 1. & (((6-7)+13)+12) = 24 \\ 2. & (((6-7)+12)+13) = 24 \\ 3. & ((6-7)+(13+12)) = 24 \\ 4. & (12-((7-6)-13)) = 24 \\ 5. & ((13-(7-6))+12) = 24 \\ 6. & (13-((7-6)-12)) = 24 \\ 7. & ((12-(7-6))+13) = 24 \\ 8. & ((13+12)-(7-6)) = 24 \\ 9. & (((6+12)-7)+13) = 24 \\ 10. & (13-(7-(6+12))) = 24 \\ 11. & (((6+12)+13)-7) = 24 \\ 12. & ((6+12)-(7-13)) = 24 \\ 13. & ((6+12)+(13-7)) = 24 \\ 14. & (((6+13)-7)+12) = 24 \\ 15. & (12-(7-(6+13))) = 24 \\ 16. & (((6+13)+12)-7) = 24 \\ 17. & ((6+13)-(7-12)) = 24 \\ 18. & ((6+13)+(12-7)) = 24 \\ 19. & ((6-(7-12))+13) = 24 \\ 20. & (13-((7-12)-6)) = 24 \\ 21. & (6-((7-12)-13)) = 24 \\ 22. & (6+(13-(7-12))) = 24 \\ 23. & ((6+(12-7))+13) = 24 \\ 24. & (6+((12-7)+13)) = 24 \\ 25. & ((6-(7-13))+12) = 24 \\ 26. & (12-((7-13)-6)) = 24 \\ 27. & (6-((7-13)-12)) = 24 \\ 28. & (6+(12-(7-13))) = 24 \\ 29. & ((6+(13-7))+12) = 24 \\ 30. & ((6*(13-7))-12) = 24 \\ 31. & (6+((13-7)+12)) = 24 \\ 32. & ((6-7)+(12+13)) = 24 \\ 33. & ((12+13)-(7-6)) = 24 \\ 34. & ((6+(12+13))-7) = 24 \end{aligned}$$

$$\begin{aligned} 35. & (6-(7-(12+13))) = 24 \\ 36. & (6+((12+13)-7)) = 24 \end{aligned}$$

1554. [6, 7, 13, 13]

无解

1555. [6, 8, 8, 8]

$$\begin{aligned} 1. & (8-((6-8)*8)) = 24 \\ 2. & (((8-6)*8)+8) = 24 \end{aligned}$$

1556. [6, 8, 8, 9]

$$\begin{aligned} 1. & ((9*8)-(6*8)) = 24 \\ 2. & ((8*9)-(6*8)) = 24 \\ 3. & ((8+8)/(6/9)) = 24 \\ 4. & ((9/6)*(8+8)) = 24 \\ 5. & (9/(6/(8+8))) = 24 \\ 6. & (((8+8)/6)*9) = 24 \\ 7. & (((8+8)*9)/6) = 24 \end{aligned}$$

1557. [6, 8, 8, 10]

$$\begin{aligned} 1. & ((6*8)/(10-8)) = 24 \\ 2. & ((10+8)/(6/8)) = 24 \\ 3. & ((8/6)*(10+8)) = 24 \\ 4. & ((8+10)/(6/8)) = 24 \\ 5. & ((8/6)*(8+10)) = 24 \\ 6. & (((10-6)*8)-8) = 24 \\ 7. & (8/(6/(8+10))) = 24 \\ 8. & (((8+10)/6)*8) = 24 \\ 9. & (((8+10)*8)/6) = 24 \\ 10. & ((6/(10-8))*8) = 24 \\ 11. & (8/((10-8)/6)) = 24 \\ 12. & (6/((10-8)/8)) = 24 \\ 13. & (6*(8/(10-8))) = 24 \\ 14. & ((8*(8+10))/6) = 24 \end{aligned}$$

1558. [6, 8, 8, 11]

$$\begin{aligned} 1. & (((6+8)-11)*8) = 24 \\ 2. & (((6-11)+8)*8) = 24 \\ 3. & ((8-(11-6))*8) = 24 \\ 4. & ((6+(8-11))*8) = 24 \\ 5. & ((6-(11-8))*8) = 24 \end{aligned}$$

1559. [6, 8, 8, 12]

$$\begin{aligned} 1. & ((12/(6/8))+8) = 24 \\ 2. & (((8/6)*12)+8) = 24 \\ 3. & ((8/(6/12))+8) = 24 \\ 4. & (((12/6)*8)+8) = 24 \\ 5. & (6*((8+8)-12)) = 24 \\ 6. & (6*((8-12)+8)) = 24 \end{aligned}$$

$$\begin{aligned} 7. & (6*(8-(12-8))) = 24 \\ 8. & (((8*12)/6)+8) = 24 \\ 9. & (6*(8+(8-12))) = 24 \end{aligned}$$

1560. [6, 8, 8, 13]

无解

1561. [6, 8, 9, 9]

$$\begin{aligned} 1. & ((9+9)/(6/8)) = 24 \\ 2. & ((8/6)*(9+9)) = 24 \\ 3. & (9/((9-6)/8)) = 24 \\ 4. & ((8/(9-6))*9) = 24 \\ 5. & (8/((9-6)/9)) = 24 \\ 6. & ((9/(9-6))*8) = 24 \\ 7. & ((8*9)/(9-6)) = 24 \\ 8. & (8/(6/(9+9))) = 24 \\ 9. & (((9+9)/6)*8) = 24 \\ 10. & ((8*(9+9))/6) = 24 \end{aligned}$$

1562. [6, 8, 9, 10]

$$\begin{aligned} 1. & (6-((8-10)*9)) = 24 \\ 2. & (6+((10-8)*9)) = 24 \end{aligned}$$

1563. [6, 8, 9, 11]

$$\begin{aligned} 1. & ((6*8)/(11-9)) = 24 \\ 2. & ((6/((11-9))*8) = 24 \\ 3. & (8/((11-9)/6)) = 24 \\ 4. & (6*(8/(11-9))) = 24 \\ 5. & (6/(((11-9)/8))) = 24 \end{aligned}$$

1564. [6, 8, 9, 12]

$$\begin{aligned} 1. & ((9/(6/8))+12) = 24 \\ 2. & (((8/6)*9)+12) = 24 \\ 3. & (((6+9)-12)*8) = 24 \\ 4. & ((8/(6/9))+12) = 24 \\ 5. & (((9/6)*8)+12) = 24 \\ 6. & (((6-12)+9)*8) = 24 \\ 7. & ((9-(12-6))*8) = 24 \\ 8. & (((8*9)/6)+12) = 24 \\ 9. & ((6+(9-12))*8) = 24 \\ 10. & ((6-(12-9))*8) = 24 \end{aligned}$$

1565. [6, 8, 9, 13]

$$\begin{aligned} 1. & (9-((6-8)-13)) = 24 \\ 2. & ((13-(6-8))+9) = 24 \\ 3. & (13-((6-8)-9)) = 24 \\ 4. & ((9-(6-8))+13) = 24 \\ 5. & ((13+9)-(6-8)) = 24 \\ 6. & (((8-6)+13)+9) = 24 \end{aligned}$$

$$\begin{aligned} 7. & (((8-6)+9)+13) = 24 \\ 8. & ((8-6)+(13+9)) = 24 \\ 9. & (13-((6-9)-8)) = 24 \\ 10. & ((8-(6-9))+13) = 24 \\ 11. & (8-((6-9)-13)) = 24 \\ 12. & ((13-(6-9))+8) = 24 \\ 13. & ((8+13)-(6-9)) = 24 \\ 14. & (((9-6)+8)+13) = 24 \\ 15. & (((9-6)+13)+8) = 24 \\ 16. & ((9-6)+(8+13)) = 24 \\ 17. & (9-((6-13)-8)) = 24 \\ 18. & ((8-(6-13))+9) = 24 \\ 19. & (8-((6-13)-9)) = 24 \\ 20. & ((9-(6-13))+8) = 24 \\ 21. & ((8+9)-(6-13)) = 24 \\ 22. & (((13-6)+8)+9) = 24 \\ 23. & (((13-6)+9)+8) = 24 \\ 24. & ((13-6)+(8+9)) = 24 \\ 25. & (13-(6-(8+9))) = 24 \\ 26. & (((8+9)-6)+13) = 24 \\ 27. & (((8+9)+13)-6) = 24 \\ 28. & (6*((8+9)-13)) = 24 \\ 29. & (9-(6-(8+13))) = 24 \\ 30. & (((8+13)-6)+9) = 24 \\ 31. & (((8+13)+9)-6) = 24 \\ 32. & (6*((8-13)+9)) = 24 \\ 33. & (6*(9-(13-8))) = 24 \\ 34. & ((9+13)-(6-8)) = 24 \\ 35. & ((8-6)+(9+13)) = 24 \\ 36. & (8-(6-(9+13))) = 24 \\ 37. & (((9+13)-6)+8) = 24 \\ 38. & ((8+(9+13))-6) = 24 \\ 39. & (6*(8+(9-13))) = 24 \\ 40. & (6*(8-(13-9))) = 24 \end{aligned}$$

1566. [6, 8, 10, 10]

无解

1567. [6, 8, 10, 11]

$$1. (((11-8)*10)-6) = 24$$

1568. [6, 8, 10, 12]

$$\begin{aligned} 1. & (10-((6-8)-12)) = 24 \\ 2. & ((12-(6-8))+10) = 24 \\ 3. & (12-((6-8)-10)) = 24 \\ 4. & ((10-(6-8))+12) = 24 \\ 5. & ((12+10)-(6-8)) = 24 \\ 6. & (((8-6)+12)+10) = 24 \\ 7. & (((8-6)+10)+12) = 24 \end{aligned}$$

8. $((8-6)+(12+10)) = 24$
 9. $((6*8)/(12-10)) = 24$
 10. $((6+10)/8)*12 = 24$
 11. $(12/(8/(6+10))) = 24$
 12. $((6+10)*12)/8 = 24$
 13. $((6+10)/(8/12)) = 24$
 14. $((6+10)*(12/8)) = 24$
 15. $(12-((6-10)-8)) = 24$
 16. $((8-(6-10))+12) = 24$
 17. $(8-((6-10)-12)) = 24$
 18. $((12-(6-10))+8) = 24$
 19. $((8+12)-(6-10)) = 24$
 20. $((10-6)+8)+12 = 24$
 21. $(12/((10-6)/8)) = 24$
 22. $((8/(10-6))*12) = 24$
 23. $((10-6)+12)+8 = 24$
 24. $(8/((10-6)/12)) = 24$
 25. $((12/(10-6))*8) = 24$
 26. $((10-6)+(8+12)) = 24$
 27. $((8*12)/(10-6)) = 24$
 28. $(10-((6-12)-8)) = 24$
 29. $((8-(6-12))+10) = 24$
 30. $(8-((6-12)-10)) = 24$
 31. $((10-(6-12))+8) = 24$
 32. $((8+10)-(6-12)) = 24$
 33. $((12-6)+8)+10 = 24$
 34. $((12-6)+10)+8 = 24$
 35. $((12-6)+(8+10)) = 24$
 36. $(12-(6-(8+10))) = 24$
 37. $((8+10)-6)+12 = 24$
 38. $((8+10)+12)-6 = 24$
 39. $(12-(6*(8-10))) = 24$
 40. $((6*(10-8))+12) = 24$
 41. $(10-(6-(8+12))) = 24$
 42. $((8+12)-6)+10 = 24$
 43. $((8+12)+10)-6 = 24$
 44. $((10+12)-(6-8)) = 24$
 45. $((8-6)+(10+12)) = 24$
 46. $(8-(6-(10+12))) = 24$
 47. $((10+12)-6)+8 = 24$
 48. $((8+(10+12))-6) = 24$
 49. $((6/(12-10))*8) = 24$
 50. $(8/((12-10)/6)) = 24$
 51. $(6*(8/(12-10))) = 24$
 52. $(6/((12-10)/8)) = 24$

1569. [6, 8, 10, 13]

1. $((6+10)-13)*8 = 24$
 2. $((6-13)+10)*8 = 24$

3. $((10-(13-6))*8) = 24$
 4. $((6+(10-13))*8) = 24$
 5. $((6-(13-10))*8) = 24$
 1570. [6, 8, 11, 11]
 1. $(11-((6-8)-11)) = 24$
 2. $((11-(6-8))+11) = 24$
 3. $((11+11)-(6-8)) = 24$
 4. $((8-6)+11)+11 = 24$
 5. $((8-6)+(11+11)) = 24$
 6. $(11-((6-11)-8)) = 24$
 7. $((8-(6-11))+11) = 24$
 8. $(8-((6-11)-11)) = 24$
 9. $((11-(6-11))+8) = 24$
 10. $((8+11)-(6-11)) = 24$
 11. $((11-6)+8)+11 = 24$
 12. $((11-6)+11)+8 = 24$
 13. $((11-6)+(8+11)) = 24$
 14. $(11-(6-(8+11))) = 24$
 15. $((8+11)-6)+11 = 24$
 16. $((8+11)+11)-6 = 24$
 17. $(8-(6-(11+11))) = 24$
 18. $((11+11)-6)+8 = 24$
 19. $((8+(11+11))-6) = 24$

1571. [6, 8, 11, 12]

1. $((6*12)/(11-8)) = 24$
 2. $((6/(11-8))*12) = 24$
 3. $(12/((11-8)/6)) = 24$
 4. $(6/((11-8)/12)) = 24$
 5. $(6*(12/(11-8))) = 24$

1572. [6, 8, 11, 13]

1. $((6*8)-13)-11 = 24$
 2. $((6*8)-11)-13 = 24$
 3. $((6*8)-(13+11)) = 24$
 4. $((6*8)/(13-11)) = 24$
 5. $((6*8)-(11+13)) = 24$
 6. $((6/(13-11))*8) = 24$
 7. $(8/((13-11)/6)) = 24$
 8. $(6*(8/(13-11))) = 24$
 9. $(6/((13-11)/8)) = 24$

1573. [6, 8, 12, 12]

1. $((6+8)-12)*12 = 24$
 2. $((6*8)-12)-12 = 24$
 3. $((6*8)-(12+12)) = 24$
 4. $((6-12)+8)*12 = 24$
 5. $((6-12)*(8-12)) = 24$

6. $((8-(12-6))*12) = 24$
 7. $((12-6)*(12-8)) = 24$
 8. $((8*12)-(6*12)) = 24$
 9. $((6+(8-12))*12) = 24$
 10. $((6-(12-8))*12) = 24$
 11. $(6+(12/(8/12))) = 24$
 12. $(6+((12/8)*12)) = 24$
 13. $(6+((12*12)/8)) = 24$

1574. [6, 8, 12, 13]

无解

1575. [6, 8, 13, 13]

1. $((6-8)+13)+13 = 24$
 2. $((6-8)+(13+13)) = 24$
 3. $(13-((8-6)-13)) = 24$
 4. $((13-(8-6))+13) = 24$
 5. $((13+13)-(8-6)) = 24$
 6. $((6+13)-8)+13 = 24$
 7. $(13-(8-(6+13))) = 24$
 8. $((6+13)+13)-8 = 24$
 9. $((6+13)-(8-13)) = 24$
 10. $((6+13)+(13-8)) = 24$
 11. $((6-(8-13))+13) = 24$
 12. $(13-((8-13)-6)) = 24$
 13. $(6-((8-13)-13)) = 24$
 14. $(6+(13-(8-13))) = 24$
 15. $((6+(13-8))+13) = 24$
 16. $(6+((13-8)+13)) = 24$
 17. $((6+(13+13))-8) = 24$
 18. $(6-(8-(13+13))) = 24$
 19. $(6+((13+13)-8)) = 24$

1576. [6, 9, 9, 9]

无解

1577. [6, 9, 9, 10]

1. $((10/(6/9))+9) = 24$
 2. $((9/6)*10)+9 = 24$
 3. $((9/(6/10))+9) = 24$
 4. $((10/6)*9)+9 = 24$
 5. $((9*10)/6)+9 = 24$

1578. [6, 9, 9, 11]

1. $((9-6)*11)-9 = 24$
 2. $(6-((9-11)*9)) = 24$
 3. $(6+((11-9)*9)) = 24$
 4. $(6-(9*(9-11))) = 24$
 5. $(6+(9*(11-9))) = 24$

1579. [6, 9, 9, 12]

1. $(9-((6-9)-12)) = 24$
 2. $((12-(6-9))+9) = 24$
 3. $(12-((6-9)-9)) = 24$
 4. $((9-(6-9))+12) = 24$
 5. $((12+9)-(6-9)) = 24$
 6. $((9-6)+12)+9 = 24$
 7. $((9-6)+9)+12 = 24$
 8. $((9-6)+(12+9)) = 24$
 9. $((9+12)-(6-9)) = 24$
 10. $((9-6)+(9+12)) = 24$
 11. $(9-((6-12)-9)) = 24$
 12. $((9-(6-12))+9) = 24$
 13. $((9+9)-(6-12)) = 24$
 14. $((12-6)+9)+9 = 24$
 15. $((12-6)+(9+9)) = 24$
 16. $(12-(6-(9+9))) = 24$
 17. $((9+9)-6)+12 = 24$
 18. $((9+9)+12)-6 = 24$
 19. $(9-(6-(9+12))) = 24$
 20. $((9+12)-6)+9 = 24$
 21. $((9+12)+9)-6 = 24$
 22. $((9+(9+12))-6) = 24$

1580. [6, 9, 9, 13]

无解

1581. [6, 9, 10, 10]

无解

1582. [6, 9, 10, 11]

1. $(10-((6-9)-11)) = 24$
 2. $((11-(6-9))+10) = 24$
 3. $(11-((6-9)-10)) = 24$
 4. $((10-(6-9))+11) = 24$
 5. $((11+10)-(6-9)) = 24$
 6. $((9-6)+11)+10 = 24$
 7. $((9-6)+10)+11 = 24$
 8. $((9-6)+(11+10)) = 24$
 9. $(11-((6-10)-9)) = 24$
 10. $((9-(6-10))+11) = 24$
 11. $(9-((6-10)-11)) = 24$
 12. $((11-(6-10))+9) = 24$
 13. $((9+11)-(6-10)) = 24$
 14. $((10-6)+9)+11 = 24$
 15. $((10-6)+11)+9 = 24$
 16. $((10-6)+(9+11)) = 24$
 17. $(10-((6-11)-9)) = 24$

18. $((9-(6-11))+10) = 24$
19. $(9-((6-11)-10)) = 24$
20. $((10-(6-11))+9) = 24$
21. $((9+10)-(6-11)) = 24$
22. $((((11-6)+9)+10) = 24$
23. $((((11-6)+10)+9) = 24$
24. $((11-6)+(9+10)) = 24$
25. $((9*10)-(6*11)) = 24$
26. $(11-(6-(9+10))) = 24$
27. $((((9+10)-6)+11) = 24$
28. $((((9+10)+11)-6) = 24$
29. $(10-(6-(9+11))) = 24$
30. $((((9+11)-6)+10) = 24$
31. $((((9+11)+10)-6) = 24$
32. $((10+11)-(6-9)) = 24$
33. $((9-6)+(10+11)) = 24$
34. $(9-(6-(10+11))) = 24$
35. $((((10+11)-6)+9) = 24$
36. $((9+(10+11))-6) = 24$

1583. [6, 9, 10, 12]
1. $((((10-6)*9)-12) = 24$
2. $((((12-9)*10)-6) = 24$
3. $(6-(9*(10-12))) = 24$
4. $(6+(9*(12-10))) = 24$

1584. [6, 9, 10, 13]
无解

1585. [6, 9, 11, 11]
无解

1586. [6, 9, 11, 12]
1. $(12-(6*(9-11))) = 24$
2. $((6*(11-9))+12) = 24$

1587. [6, 9, 11, 13]
1. $(6-(9*(11-13))) = 24$
2. $(6+(9*(13-11))) = 24$

1588. [6, 9, 12, 12]
1. $((((9-6)*12)-12) = 24$
2. $((((6+12)/9)*12) = 24$
3. $(12/(9/(6+12))) = 24$
4. $((((6+12)*12)/9) = 24$
5. $((6+12)/(9/12)) = 24$
6. $((6+12)*(12/9)) = 24$
7. $((6*12)/(12-9)) = 24$
8. $((6/(12-9))*12) = 24$

9. $(12/((12-9)/6)) = 24$
10. $(6/((12-9)/12)) = 24$
11. $(6*(12/(12-9))) = 24$

1589. [6, 9, 12, 13]
1. $((((6+9)-13)*12) = 24$
2. $((6-12)*(9-13)) = 24$
3. $((12-6)*(13-9)) = 24$
4. $((((12/6)+9)+13) = 24$
5. $((((12/6)+13)+9) = 24$
6. $((12/6)+(9+13)) = 24$
7. $((((6-13)+9)*12) = 24$
8. $((9-(13-6))*12) = 24$
9. $((6+(9-13))*12) = 24$
10. $((6-(13-9))*12) = 24$

1590. [6, 9, 13, 13]
无解

1591. [6, 10, 10, 10]
1. $(10-((6-10)-10)) = 24$
2. $((10-(6-10))+10) = 24$
3. $((10+10)-(6-10)) = 24$
4. $((((10-6)+10)+10) = 24$
5. $((10-6)+(10+10)) = 24$
6. $(10-(6-(10+10))) = 24$
7. $((((10+10)-6)+10) = 24$
8. $((((10+10)+10)-6) = 24$
9. $((10+(10+10))-6) = 24$

1592. [6, 10, 10, 11]
无解

1593. [6, 10, 10, 12]
无解

1594. [6, 10, 10, 13]
1. $((((13-10)*10)-6) = 24$
2. $((10*(13-10))-6) = 24$

1595. [6, 10, 11, 11]
无解

1596. [6, 10, 11, 12]
1. $(12/((11-6)/10)) = 24$
2. $((10/(11-6))*12) = 24$
3. $(10/((11-6)/12)) = 24$
4. $((12/(11-6))*10) = 24$
5. $((10*12)/(11-6)) = 24$

1597. [6, 10, 11, 13]
无解

1598. [6, 10, 12, 12]
1. $((((12/6)+10)+12) = 24$
2. $((((12/6)+12)+10) = 24$
3. $((12/6)+(10+12)) = 24$
4. $(12-(6*(10-12))) = 24$
5. $((6*(12-10))+12) = 24$

1599. [6, 10, 12, 13]
1. $((6*12)/(13-10)) = 24$
2. $((6/(13-10))*12) = 24$
3. $(12/((13-10)/6)) = 24$
4. $(6/((13-10)/12)) = 24$
5. $(6*(12/(13-10))) = 24$

1600. [6, 10, 13, 13]
无解

1601. [6, 11, 11, 11]
无解

1602. [6, 11, 11, 12]
1. $((((12/6)+11)+11) = 24$
2. $((12/6)+(11+11)) = 24$

1603. [6, 11, 11, 13]
无解

1604. [6, 11, 12, 12]
1. $((((11*12)+12)/6) = 24$

1605. [6, 11, 12, 13]
1. $(12-(6*(11-13))) = 24$
2. $((6*(13-11))+12) = 24$

1606. [6, 11, 13, 13]
无解

1607. [6, 12, 12, 12]
1. $(12/((12-6)/12)) = 24$
2. $((12/(12-6))*12) = 24$
3. $((12*12)/(12-6)) = 24$

1608. [6, 12, 12, 13]
1. $((((12*13)-12)/6) = 24$

1609. [6, 12, 13, 13]
1. $(13-((12/6)-13)) = 24$
2. $((13-(12/6))+13) = 24$
3. $((13+13)-(12/6)) = 24$

1610. [6, 13, 13, 13]
无解

1611. [7, 7, 7, 7]
无解

1612. [7, 7, 7, 8]
无解

1613. [7, 7, 7, 9]
无解

1614. [7, 7, 7, 10]
无解

1615. [7, 7, 7, 11]
无解

1616. [7, 7, 7, 12]
1. $((((7+7)*12)/7) = 24$
2. $((((7+7)/7)*12) = 24$
3. $(12/(7/(7+7))) = 24$
4. $((7+7)*(12/7)) = 24$
5. $((7+7)/(7/12)) = 24$
6. $((12/7)*(7+7)) = 24$

1617. [7, 7, 7, 13]
无解

1618. [7, 7, 8, 8]
无解

1619. [7, 7, 8, 9]
无解

1620. [7, 7, 8, 10]
无解

1621. [7, 7, 8, 11]
1. $((((7+7)-11)*8) = 24$
2. $((((7-11)+7)*8) = 24$
3. $((7-(11-7))*8) = 24$
4. $((7+(7-11))*8) = 24$

1622. [7, 7, 8, 12]

无解

1623. [7, 7, 8, 13]

无解

1624. [7, 7, 9, 9]

无解

1625. [7, 7, 9, 10]

1. $(10 - ((7 - 9) * 7)) = 24$

2. $((((9 - 7) * 7) + 10) = 24$

3. $(10 - (7 * (7 - 9))) = 24$

4. $((7 * (9 - 7)) + 10) = 24$

1626. [7, 7, 9, 11]

无解

1627. [7, 7, 9, 12]

无解

1628. [7, 7, 9, 13]

无解

1629. [7, 7, 10, 10]

无解

1630. [7, 7, 10, 11]

无解

1631. [7, 7, 10, 12]

无解

1632. [7, 7, 10, 13]

1. $((((7/7) + 13) + 10) = 24$

2. $((((7/7) + 10) + 13) = 24$

3. $((7/7) + (13 + 10)) = 24$

4. $((7/7) + (10 + 13)) = 24$

1633. [7, 7, 11, 11]

无解

1634. [7, 7, 11, 12]

1. $((((7/7) + 12) + 11) = 24$

2. $((((7/7) + 11) + 12) = 24$

3. $((7/7) + (12 + 11)) = 24$

4. $((((12 - 7) * 7) - 11) = 24$

5. $((7 * (12 - 7)) - 11) = 24$

6. $((7/7) + (11 + 12)) = 24$

1635. [7, 7, 11, 13]

1. $((((7 - 7) + 13) + 11) = 24$

2. $(11 - ((7 - 7) - 13)) = 24$

3. $((13 - (7 - 7)) + 11) = 24$

4. $((((7 - 7) + 11) + 13) = 24$

5. $(13 - ((7 - 7) - 11)) = 24$

6. $((11 - (7 - 7)) + 13) = 24$

7. $((7 - 7) + (13 + 11)) = 24$

8. $((13 + 11) - (7 - 7)) = 24$

9. $((((7/7) * 13) + 11) = 24$

10. $((13 / (7/7)) + 11) = 24$

11. $((((7/7) * 11) + 13) = 24$

12. $((11 / (7/7)) + 13) = 24$

13. $((7/7) * (13 + 11)) = 24$

14. $((13 + 11) / (7/7)) = 24$

15. $((((7 + 11) - 7) + 13) = 24$

16. $(13 - (7 - (7 + 11))) = 24$

17. $((((7 + 11) + 13) - 7) = 24$

18. $((7 + 11) - (7 - 13)) = 24$

19. $((7 + 11) + (13 - 7)) = 24$

20. $(13 - ((7 - 11) - 7)) = 24$

21. $((7 - (7 - 11)) + 13) = 24$

22. $(7 - ((7 - 11) - 13)) = 24$

23. $((13 - (7 - 11)) + 7) = 24$

24. $((7 + 13) - (7 - 11)) = 24$

25. $((7 - 11) * (7 - 13)) = 24$

26. $((((11 - 7) + 7) + 13) = 24$

27. $((((11 - 7) + 13) + 7) = 24$

28. $((11 - 7) + (7 + 13)) = 24$

29. $((11 - 7) * (13 - 7)) = 24$

30. $((((7 * 11) / 7) + 13) = 24$

31. $((7 / (7/11)) + 13) = 24$

32. $((((11/7) * 7) + 13) = 24$

33. $((((7 + 13) - 7) + 11) = 24$

34. $(11 - (7 - (7 + 13))) = 24$

35. $((((7 + 13) + 11) - 7) = 24$

36. $((7 + 13) + (11 - 7)) = 24$

37. $(11 - ((7 - 13) - 7)) = 24$

38. $((7 - (7 - 13)) + 11) = 24$

39. $(7 - ((7 - 13) - 11)) = 24$

40. $((11 - (7 - 13)) + 7) = 24$

41. $((7 - 13) * (7 - 11)) = 24$

42. $((((13 - 7) + 7) + 11) = 24$

43. $((((13 - 7) + 11) + 7) = 24$

44. $((13 - 7) + (7 + 11)) = 24$

45. $((13 - 7) * (11 - 7)) = 24$

46. $((((7 * 13) / 7) + 11) = 24$

47. $((7 / (7/13)) + 11) = 24$

48. $((((13/7) * 7) + 11) = 24$

49. $(7 + (13 - (7 - 11))) = 24$

50. $((7 + (11 - 7)) + 13) = 24$

51. $(7 + ((11 - 7) + 13)) = 24$

52. $((7 * (11/7)) + 13) = 24$

53. $(7 + (11 - (7 - 13))) = 24$

54. $((7 + (13 - 7)) + 11) = 24$

55. $(7 + ((13 - 7) + 11)) = 24$

56. $((7 * (13/7)) + 11) = 24$

57. $((7 - 7) + (11 + 13)) = 24$

58. $((11 + 13) - (7 - 7)) = 24$

59. $((7/7) * (11 + 13)) = 24$

60. $((11 + 13) / (7/7)) = 24$

61. $((7 + (11 + 13)) - 7) = 24$

62. $(7 - (7 - (11 + 13))) = 24$

63. $((((11 + 13) - 7) + 7) = 24$

64. $((7 * (11 + 13)) / 7) = 24$

65. $(7 / (7 / (11 + 13))) = 24$

66. $((((11 + 13) / 7) * 7) = 24$

67. $(7 + ((11 + 13) - 7)) = 24$

68. $(7 * ((11 + 13) / 7)) = 24$

1636. [7, 7, 12, 12]

1. $((((7 + 7) - 12) * 12) = 24$

2. $((((7 - 7) + 12) + 12) = 24$

3. $(12 - ((7 - 7) - 12)) = 24$

4. $((12 - (7 - 7)) + 12) = 24$

5. $((7 - 7) + (12 + 12)) = 24$

6. $((12 + 12) - (7 - 7)) = 24$

7. $((7/7) * 12) + 12 = 24$

8. $((12 / (7/7)) + 12) = 24$

9. $((7/7) * (12 + 12)) = 24$

10. $((12 + 12) / (7/7)) = 24$

11. $((((7 + 12) - 7) + 12) = 24$

12. $(12 - (7 - (7 + 12))) = 24$

13. $((((7 + 12) + 12) - 7) = 24$

14. $((7 + 12) - (7 - 12)) = 24$

15. $((7 + 12) + (12 - 7)) = 24$

16. $((7 - 12) + 7) * 12 = 24$

17. $(12 - ((7 - 12) - 7)) = 24$

18. $((7 - (7 - 12)) + 12) = 24$

19. $(7 - ((7 - 12) - 12)) = 24$

20. $((12 - (7 - 12)) + 7) = 24$

21. $((((12 - 7) + 7) + 12) = 24$

22. $((7 - (12 - 7)) * 12) = 24$

23. $((((12 - 7) + 12) + 7) = 24$

24. $((12 - 7) + (7 + 12)) = 24$

25. $((7 * 12) / 7) + 12 = 24$

26. $((7 / (7/12)) + 12) = 24$

27. $((((12/7) * 7) + 12) = 24$

28. $((7 + (7 - 12)) * 12) = 24$

29. $(7 + (12 - (7 - 12))) = 24$

30. $((7 + (12 - 7)) + 12) = 24$

31. $(7 + ((12 - 7) + 12)) = 24$

32. $((7 * (12/7)) + 12) = 24$

33. $((7 + (12 + 12)) - 7) = 24$

34. $(7 - (7 - (12 + 12))) = 24$

35. $((12 + 12) - 7) + 7 = 24$

36. $((7 * (12 + 12)) / 7) = 24$

37. $(7 / (7 / (12 + 12))) = 24$

38. $((12 + 12) / 7) * 7 = 24$

39. $(7 + ((12 + 12) - 7)) = 24$

40. $(7 * ((12 + 12) / 7)) = 24$

1637. [7, 7, 12, 13]

1. $((7 * 7) - 13) - 12 = 24$

2. $((7 * 7) - 12) - 13 = 24$

3. $((7 * 7) - (13 + 12)) = 24$

4. $(12 - ((7/7) - 13)) = 24$

5. $((13 - (7/7)) + 12) = 24$

6. $(13 - ((7/7) - 12)) = 24$

7. $((12 - (7/7)) + 13) = 24$

8. $((13 + 12) - (7/7)) = 24$

9. $((7 * 7) - (12 + 13)) = 24$

10. $((12 + 13) - (7/7)) = 24$

1638. [7, 7, 13, 13]

无解

1639. [7, 8, 8, 8]

无解

1640. [7, 8, 8, 9]

1. $(8 - ((7 - 9) * 8)) = 24$

2. $((9 - 7) * 8) + 8 = 24$

1641. [7, 8, 8, 10]

1. $((10 * 8) - (7 * 8)) = 24$

2. $((8 * 10) - (7 * 8)) = 24$

1642. [7, 8, 8, 11]

1. $((11 - 7) * 8) - 8 = 24$

1643. [7, 8, 8, 12]

1. $((7 + 8) - 12) * 8 = 24$

2. $((7 - 12) + 8) * 8 = 24$

3. $((8 - (12 - 7)) * 8) = 24$

4. $((7 + (8 - 12)) * 8) = 24$

$$5. ((7-(12-8))*8) = 24$$

$$1644. [7, 8, 8, 13]$$

1. $((13+8)/(7/8)) = 24$
2. $((8/7)*(13+8)) = 24$
3. $((8+13)/(7/8)) = 24$
4. $((8/7)*(8+13)) = 24$
5. $(8/(7/(8+13))) = 24$
6. $((8+13)/7)*8 = 24$
7. $((8+13)*8)/7 = 24$
8. $((8*(8+13))/7) = 24$

$$1645. [7, 8, 9, 9]$$

无解

$$1646. [7, 8, 9, 10]$$

1. $(9/((10-7)/8)) = 24$
2. $((8/(10-7))*9) = 24$
3. $(8/((10-7)/9)) = 24$
4. $((9/(10-7))*8) = 24$
5. $((8*9)/(10-7)) = 24$

$$1647. [7, 8, 9, 11]$$

无解

$$1648. [7, 8, 9, 12]$$

1. $((12+9)/(7/8)) = 24$
2. $((8/7)*(12+9)) = 24$
3. $((7+9)/8)*12 = 24$
4. $(12/(8/(7+9))) = 24$
5. $((7+9)*12)/8 = 24$
6. $((7+9)/(8/12)) = 24$
7. $((7+9)*(12/8)) = 24$
8. $((9+12)/(7/8)) = 24$
9. $((8/7)*(9+12)) = 24$
10. $(8/(7/(9+12))) = 24$
11. $((9+12)/7)*8 = 24$
12. $((8*(9+12))/7) = 24$

$$1649. [7, 8, 9, 13]$$

1. $((7+9)-13)*8 = 24$
2. $((7-13)+9)*8 = 24$
3. $((9-(13-7))*8) = 24$
4. $((7+(9-13))*8) = 24$
5. $((7-(13-9))*8) = 24$

$$1650. [7, 8, 10, 10]$$

1. $(10-(7*(8-10))) = 24$
2. $((7*(10-8))+10) = 24$

$$1651. [7, 8, 10, 11]$$

1. $((11+10)/(7/8)) = 24$
2. $((8/7)*(11+10)) = 24$
3. $((10+11)/(7/8)) = 24$
4. $((8/7)*(10+11)) = 24$
5. $(8/(7/(10+11))) = 24$
6. $((10+11)/7)*8 = 24$
7. $((8*(10+11))/7) = 24$

$$1652. [7, 8, 10, 12]$$

无解

$$1653. [7, 8, 10, 13]$$

1. $(10-((7-8)-13)) = 24$
2. $((13-(7-8))+10) = 24$
3. $(13-((7-8)-10)) = 24$
4. $((10-(7-8))+13) = 24$
5. $((13+10)-(7-8)) = 24$
6. $((8-7)+13)+10 = 24$
7. $((8-7)+10)+13 = 24$
8. $((8-7)+(13+10)) = 24$
9. $(13-((7-10)-8)) = 24$
10. $((8-(7-10))+13) = 24$
11. $(8-((7-10)-13)) = 24$
12. $((13-(7-10))+8) = 24$
13. $((8+13)-(7-10)) = 24$
14. $((10-7)+8)+13 = 24$
15. $((10-7)+13)+8 = 24$
16. $((10-7)+(8+13)) = 24$
17. $(10-((7-13)-8)) = 24$
18. $((8-(7-13))+10) = 24$
19. $(8-((7-13)-10)) = 24$
20. $((10-(7-13))+8) = 24$
21. $((8+10)-(7-13)) = 24$
22. $((13-7)+8)+10 = 24$
23. $((13-7)+10)+8 = 24$
24. $((13-7)+(8+10)) = 24$
25. $(13-(7-(8+10))) = 24$
26. $((8+10)-7)+13 = 24$
27. $((8+10)+13)-7 = 24$
28. $(10-(7-(8+13))) = 24$
29. $((8+13)-7)+10 = 24$
30. $((8+13)+10)-7 = 24$
31. $((10+13)-(7-8)) = 24$
32. $((8-7)+(10+13)) = 24$
33. $(8-(7-(10+13))) = 24$
34. $((10+13)-7)+8 = 24$
35. $((8+(10+13))-7) = 24$

$$1654. [7, 8, 11, 11]$$

无解

$$1655. [7, 8, 11, 12]$$

1. $(11-((7-8)-12)) = 24$
2. $((12-(7-8))+11) = 24$
3. $(12-((7-8)-11)) = 24$
4. $((11-(7-8))+12) = 24$
5. $((12+11)-(7-8)) = 24$
6. $((8-7)+12)+11 = 24$
7. $((8-7)+11)+12 = 24$
8. $((8-7)+(12+11)) = 24$
9. $(12-((7-11)-8)) = 24$
10. $((8-(7-11))+12) = 24$
11. $(8-((7-11)-12)) = 24$
12. $((12-(7-11))+8) = 24$
13. $((8+12)-(7-11)) = 24$
14. $((11-7)+8)+12 = 24$
15. $(12/((11-7)/8)) = 24$
16. $((8/(11-7))*12) = 24$
17. $((11-7)+12)+8 = 24$
18. $(8/((11-7)/12)) = 24$
19. $((12/(11-7))*8) = 24$
20. $((11-7)+(8+12)) = 24$
21. $((8*12)/(11-7)) = 24$
22. $(11-((7-12)-8)) = 24$
23. $((8-(7-12))+11) = 24$
24. $(8-((7-12)-11)) = 24$
25. $((11-(7-12))+8) = 24$
26. $((8+11)-(7-12)) = 24$
27. $((12-7)+8)+11 = 24$
28. $((12-7)+11)+8 = 24$
29. $((12-7)+(8+11)) = 24$
30. $(12-(7-(8+11))) = 24$
31. $((8+11)-7)+12 = 24$
32. $((8+11)+12)-7 = 24$
33. $(11-(7-(8+12))) = 24$
34. $((8+12)-7)+11 = 24$
35. $((8+12)+11)-7 = 24$
36. $((11+12)-(7-8)) = 24$
37. $((8-7)+(11+12)) = 24$
38. $(8-(7-(11+12))) = 24$
39. $((11+12)-7)+8 = 24$
40. $((8+(11+12))-7) = 24$

$$1656. [7, 8, 11, 13]$$

1. $(11-((7-8)*13)) = 24$
2. $(11-(13/(7-8))) = 24$

$$3. (13-((7-8)*11)) = 24$$

4. $(13-(11/(7-8))) = 24$
5. $((8-7)*13)+11 = 24$
6. $((13/(8-7))+11) = 24$
7. $((8-7)*11)+13 = 24$
8. $((11/(8-7))+13) = 24$
9. $((8-7)*(13+11)) = 24$
10. $((13+11)/(8-7)) = 24$
11. $((7*(13-8))-11) = 24$
12. $((8-7)*(11+13)) = 24$
13. $((11+13)/(8-7)) = 24$

$$1657. [7, 8, 12, 12]$$

1. $(12-((7-8)*12)) = 24$
2. $(12-(12/(7-8))) = 24$
3. $((8-7)*12)+12 = 24$
4. $((12/(8-7))+12) = 24$
5. $((8-7)*(12+12)) = 24$
6. $((12+12)/(8-7)) = 24$

$$1658. [7, 8, 12, 13]$$

1. $((7+8)-13)*12 = 24$
2. $((7-8)+13)+12 = 24$
3. $((7-8)+12)+13 = 24$
4. $((7-8)+(13+12)) = 24$
5. $(12-((8-7)-13)) = 24$
6. $((13-(8-7))+12) = 24$
7. $(13-((8-7)-12)) = 24$
8. $((12-(8-7))+13) = 24$
9. $((13+12)-(8-7)) = 24$
10. $((7+12)-8)+13 = 24$
11. $(13-(8-(7+12))) = 24$
12. $((7+12)+13)-8 = 24$
13. $((7+12)-(8-13)) = 24$
14. $((7+12)+(13-8)) = 24$
15. $((7+13)-8)+12 = 24$
16. $(12-(8-(7+13))) = 24$
17. $((7+13)+12)-8 = 24$
18. $((7+13)-(8-12)) = 24$
19. $((7+13)+(12-8)) = 24$
20. $((7-13)+8)*12 = 24$
21. $((7-13)*(8-12)) = 24$
22. $((8-(13-7))*12) = 24$
23. $((13-7)*(12-8)) = 24$
24. $((7-(8-12))+13) = 24$
25. $(13-((8-12)-7)) = 24$
26. $(7-((8-12)-13)) = 24$
27. $(7+(13-(8-12))) = 24$
28. $((7+(12-8))+13) = 24$

29. $(7+((12-8)+13)) = 24$
 30. $((7+(8-13))*12) = 24$
 31. $((7-(8-13))+12) = 24$
 32. $(12-((8-13)-7)) = 24$
 33. $(7-((8-13)-12)) = 24$
 34. $(7+(12-(8-13))) = 24$
 35. $((7+(13-8))+12) = 24$
 36. $((7-(13-8))*12) = 24$
 37. $(7+((13-8)+12)) = 24$
 38. $((7-8)+(12+13)) = 24$
 39. $((12+13)-(8-7)) = 24$
 40. $((7+(12+13))-8) = 24$
 41. $(7-(8-(12+13))) = 24$
 42. $(7+((12+13)-8)) = 24$

1659. [7, 8, 13, 13]

无解

1660. [7, 9, 9, 9]

无解

1661. [7, 9, 9, 10]

无解

1662. [7, 9, 9, 11]

无解

1663. [7, 9, 9, 12]

无解

1664. [7, 9, 9, 13]

1. $(9-((7-9)-13)) = 24$
 2. $((13-(7-9))+9) = 24$
 3. $(13-((7-9)-9)) = 24$
 4. $((9-(7-9))+13) = 24$
 5. $((13+9)-(7-9)) = 24$
 6. $((9-7)+13)+9 = 24$
 7. $((9-7)+9)+13 = 24$
 8. $((9-7)+(13+9)) = 24$
 9. $((9+13)-(7-9)) = 24$
 10. $((9-7)+(9+13)) = 24$
 11. $(9-((7-13)-9)) = 24$
 12. $((9-(7-13))+9) = 24$
 13. $((9+9)-(7-13)) = 24$
 14. $((13-7)+9)+9 = 24$
 15. $((13-7)+(9+9)) = 24$
 16. $(13-(7-(9+9))) = 24$
 17. $((9+9)-7)+13 = 24$
 18. $((9+9)+13)-7 = 24$

19. $(9-(7-(9+13))) = 24$
 20. $((9+13)-7)+9 = 24$
 21. $((9+13)+9)-7 = 24$
 22. $((9+(9+13))-7) = 24$

1665. [7, 9, 10, 10]

无解

1666. [7, 9, 10, 11]

1. $((10-7)*11)-9 = 24$
 2. $(10-(7*(9-11))) = 24$
 3. $((7*(11-9))+10) = 24$

1667. [7, 9, 10, 12]

1. $(10-((7-9)-12)) = 24$
 2. $((12-(7-9))+10) = 24$
 3. $(12-((7-9)-10)) = 24$
 4. $((10-(7-9))+12) = 24$
 5. $((12+10)-(7-9)) = 24$
 6. $((9-7)+12)+10 = 24$
 7. $((9-7)+10)+12 = 24$
 8. $((9-7)+(12+10)) = 24$
 9. $(12-((7-10)-9)) = 24$
 10. $((9-(7-10))+12) = 24$
 11. $(9-((7-10)-12)) = 24$
 12. $((12-(7-10))+9) = 24$
 13. $((9+12)-(7-10)) = 24$
 14. $((10-7)+9)+12 = 24$
 15. $((10-7)+12)+9 = 24$
 16. $((10-7)+(9+12)) = 24$
 17. $(10-((7-12)-9)) = 24$
 18. $((9-(7-12))+10) = 24$
 19. $(9-((7-12)-10)) = 24$
 20. $((10-(7-12))+9) = 24$
 21. $((9+10)-(7-12)) = 24$
 22. $((12-7)+9)+10 = 24$
 23. $((12-7)+10)+9 = 24$
 24. $((12-7)+(9+10)) = 24$
 25. $(12-(7-(9+10))) = 24$
 26. $((9+10)-7)+12 = 24$
 27. $((9+10)+12)-7 = 24$
 28. $(10-(7-(9+12))) = 24$
 29. $((9+12)-7)+10 = 24$
 30. $((9+12)+10)-7 = 24$
 31. $((10+12)-(7-9)) = 24$
 32. $((9-7)+(10+12)) = 24$
 33. $(9-(7-(10+12))) = 24$
 34. $((10+12)-7)+9 = 24$
 35. $((9+(10+12))-7) = 24$

1668. [7, 9, 10, 13]

无解

1669. [7, 9, 11, 11]

1. $(11-((7-9)-11)) = 24$
 2. $((11-(7-9))+11) = 24$
 3. $((11+11)-(7-9)) = 24$
 4. $((9-7)+11)+11 = 24$
 5. $((9-7)+(11+11)) = 24$
 6. $(11-((7-11)-9)) = 24$
 7. $((9-(7-11))+11) = 24$
 8. $(9-((7-11)-11)) = 24$
 9. $((11-(7-11))+9) = 24$
 10. $((9+11)-(7-11)) = 24$
 11. $((11-7)+9)+11 = 24$
 12. $((11-7)+11)+9 = 24$
 13. $((11-7)+(9+11)) = 24$
 14. $(11-(7-(9+11))) = 24$
 15. $((9+11)-7)+11 = 24$
 16. $((9+11)+11)-7 = 24$
 17. $(9-(7-(11+11))) = 24$
 18. $((11+11)-7)+9 = 24$
 19. $((9+(11+11))-7) = 24$

1670. [7, 9, 11, 12]

1. $((7+11)/9)*12 = 24$
 2. $(12/(9/(7+11))) = 24$
 3. $((7+11)*12)/9 = 24$
 4. $((7+11)/(9/12)) = 24$
 5. $((7+11)*(12/9)) = 24$
 6. $((11-7)*9)-12 = 24$

1671. [7, 9, 11, 13]

无解

1672. [7, 9, 12, 12]

1. $((9*12)-(7*12)) = 24$

1673. [7, 9, 12, 13]

无解

1674. [7, 9, 13, 13]

1. $((7-9)+13)+13 = 24$
 2. $((7-9)+(13+13)) = 24$
 3. $(13-((9-7)-13)) = 24$
 4. $((13-(9-7))+13) = 24$
 5. $((13+13)-(9-7)) = 24$
 6. $((7+13)-9)+13 = 24$

7. $(13-(9-(7+13))) = 24$

8. $((7+13)+13)-9 = 24$
 9. $((7+13)-(9-13)) = 24$
 10. $((7+13)+(13-9)) = 24$
 11. $((7-13)*(9-13)) = 24$
 12. $((13-7)*(13-9)) = 24$
 13. $((7-(9-13))+13) = 24$
 14. $(13-((9-13)-7)) = 24$
 15. $(7-((9-13)-13)) = 24$
 16. $(7+(13-(9-13))) = 24$
 17. $((7+(13-9))+13) = 24$
 18. $(7+((13-9)+13)) = 24$
 19. $((7+(13+13))-9) = 24$
 20. $(7-(9-(13+13))) = 24$
 21. $(7+((13+13)-9)) = 24$

1675. [7, 10, 10, 10]

无解

1676. [7, 10, 10, 11]

1. $(10-((7-10)-11)) = 24$
 2. $((11-(7-10))+10) = 24$
 3. $(11-((7-10)-10)) = 24$
 4. $((10-(7-10))+11) = 24$
 5. $((11+10)-(7-10)) = 24$
 6. $((10-7)+11)+10 = 24$
 7. $((10-7)+10)+11 = 24$
 8. $((10-7)+(11+10)) = 24$
 9. $((10+11)-(7-10)) = 24$
 10. $((10-7)+(10+11)) = 24$
 11. $(10-((7-11)-10)) = 24$
 12. $((10-(7-11))+10) = 24$
 13. $((10+10)-(7-11)) = 24$
 14. $((11-7)+10)+10 = 24$
 15. $((11-7)+(10+10)) = 24$
 16. $(11-(7-(10+10))) = 24$
 17. $((10+10)-7)+11 = 24$
 18. $((10+10)+11)-7 = 24$
 19. $(10-(7-(10+11))) = 24$
 20. $((10+11)-7)+10 = 24$
 21. $((10+11)+10)-7 = 24$
 22. $((10+(10+11))-7) = 24$

1677. [7, 10, 10, 12]

1. $(10-(7*(10-12))) = 24$
 2. $((7*(12-10))+10) = 24$

1678. [7, 10, 10, 13]

无解

1679. [7, 10, 11, 11]

无解

1680. [7, 10, 11, 12]

无解

1681. [7, 10, 11, 13]

1. $(10 - (7 * (11 - 13))) = 24$

2. $((7 * (13 - 11)) + 10) = 24$

1682. [7, 10, 12, 12]

1. $((((10 - 7) * 12) - 12) = 24$

2. $(12 / ((12 - 7) / 10)) = 24$

3. $((10 / (12 - 7)) * 12) = 24$

4. $(10 / ((12 - 7) / 12)) = 24$

5. $((12 / (12 - 7)) * 10) = 24$

6. $((10 * 12) / (12 - 7)) = 24$

1683. [7, 10, 12, 13]

1. $((((7 + 13) / 10) * 12) = 24$

2. $(12 / (10 / (7 + 13))) = 24$

3. $((((7 + 13) * 12) / 10) = 24$

4. $((7 + 13) / (10 / 12)) = 24$

5. $((7 + 13) * (12 / 10)) = 24$

1684. [7, 10, 13, 13]

无解

1685. [7, 11, 11, 11]

无解

1686. [7, 11, 11, 12]

无解

1687. [7, 11, 11, 13]

无解

1688. [7, 11, 12, 12]

无解

1689. [7, 11, 12, 13]

无解

1690. [7, 11, 13, 13]

无解

1691. [7, 12, 12, 12]

无解

1692. [7, 12, 12, 13]

1. $(12 / ((13 - 7) / 12)) = 24$

2. $((12 / (13 - 7)) * 12) = 24$

3. $((12 * 12) / (13 - 7)) = 24$

4. $((((12 * 13) + 12) / 7) = 24$

5. $((12 + (12 * 13)) / 7) = 24$

1693. [7, 12, 13, 13]

无解

1694. [7, 13, 13, 13]

无解

1695. [8, 8, 8, 8]

无解

1696. [8, 8, 8, 9]

无解

1697. [8, 8, 8, 10]

1. $(8 - ((8 - 10) * 8)) = 24$

2. $((((10 - 8) * 8) + 8) = 24$

3. $(8 - (8 * (8 - 10))) = 24$

4. $((8 * (10 - 8)) + 8) = 24$

5. $(8 + ((10 - 8) * 8)) = 24$

6. $(8 + (8 * (10 - 8))) = 24$

1698. [8, 8, 8, 11]

1. $((11 * 8) - (8 * 8)) = 24$

2. $((8 * 11) - (8 * 8)) = 24$

1699. [8, 8, 8, 12]

1. $((((8 + 8) * 12) / 8) = 24$

2. $((((8 + 8) / 8) * 12) = 24$

3. $(12 / (8 / (8 + 8))) = 24$

4. $((8 + 8) * (12 / 8)) = 24$

5. $((8 + 8) / (8 / 12)) = 24$

6. $((((12 - 8) * 8) - 8) = 24$

7. $((12 / 8) * (8 + 8)) = 24$

8. $((8 * (12 - 8)) - 8) = 24$

1700. [8, 8, 8, 13]

1. $((((8 + 8) - 13) * 8) = 24$

2. $((((8 - 13) + 8) * 8) = 24$

3. $((8 - (13 - 8)) * 8) = 24$

4. $(8 * ((8 + 8) - 13)) = 24$

5. $((8 + (8 - 13)) * 8) = 24$

6. $(8 * ((8 - 13) + 8)) = 24$

7. $(8 * (8 - (13 - 8))) = 24$

8. $(8 * (8 + (8 - 13))) = 24$

1701. [8, 8, 9, 9]

无解

1702. [8, 8, 9, 10]

无解

1703. [8, 8, 9, 11]

1. $((8 * 9) / (11 - 8)) = 24$

2. $(9 / ((11 - 8) / 8)) = 24$

3. $((8 / (11 - 8)) * 9) = 24$

4. $(8 / ((11 - 8) / 9)) = 24$

5. $((9 / (11 - 8)) * 8) = 24$

6. $(8 * (9 / (11 - 8))) = 24$

7. $(8 - (8 * (9 - 11))) = 24$

8. $((8 * (11 - 9)) + 8) = 24$

9. $(8 + (8 * (11 - 9))) = 24$

1704. [8, 8, 9, 12]

1. $((8 * 12) - (8 * 9)) = 24$

1705. [8, 8, 9, 13]

1. $((8 * (13 - 9)) - 8) = 24$

1706. [8, 8, 10, 10]

无解

1707. [8, 8, 10, 11]

无解

1708. [8, 8, 10, 12]

1. $(8 - (8 * (10 - 12))) = 24$

2. $((8 * (12 - 10)) + 8) = 24$

3. $(8 + (8 * (12 - 10))) = 24$

1709. [8, 8, 10, 13]

1. $((((8 / 8) + 13) + 10) = 24$

2. $((((8 / 8) + 10) + 13) = 24$

3. $((8 / 8) + (13 + 10)) = 24$

4. $((8 * 13) - (8 * 10)) = 24$

5. $((8 / 8) + (10 + 13)) = 24$

1710. [8, 8, 11, 11]

无解

1711. [8, 8, 11, 12]

1. $((((8 / 8) + 12) + 11) = 24$

2. $((((8 / 8) + 11) + 12) = 24$

3. $((8 / 8) + (12 + 11)) = 24$

4. $((8 / 8) + (11 + 12)) = 24$

1712. [8, 8, 11, 13]

1. $((((8 - 8) + 13) + 11) = 24$

2. $(11 - ((8 - 8) - 13)) = 24$

3. $((13 - (8 - 8)) + 11) = 24$

4. $((((8 - 8) + 11) + 13) = 24$

5. $(13 - ((8 - 8) - 11)) = 24$

6. $((11 - (8 - 8)) + 13) = 24$

7. $((8 - 8) + (13 + 11)) = 24$

8. $((13 + 11) - (8 - 8)) = 24$

9. $((((8 / 8) * 13) + 11) = 24$

10. $((13 / (8 / 8)) + 11) = 24$

11. $((((8 / 8) * 11) + 13) = 24$

12. $((11 / (8 / 8)) + 13) = 24$

13. $((8 / 8) * (13 + 11)) = 24$

14. $((13 + 11) / (8 / 8)) = 24$

15. $((((8 + 11) - 8) + 13) = 24$

16. $(13 - (8 - (8 + 11))) = 24$

17. $((((8 + 11) + 13) - 8) = 24$

18. $((8 + 11) - (8 - 13)) = 24$

19. $((8 + 11) + (13 - 8)) = 24$

20. $(13 - ((8 - 11) - 8)) = 24$

21. $((8 - (8 - 11)) + 13) = 24$

22. $(8 - ((8 - 11) - 13)) = 24$

23. $((13 - (8 - 11)) + 8) = 24$

24. $((8 + 13) - (8 - 11)) = 24$

25. $((((11 - 8) + 8) + 13) = 24$

26. $((((11 - 8) + 13) + 8) = 24$

27. $((11 - 8) + (8 + 13)) = 24$

28. $((((8 * 11) / 8) + 13) = 24$

29. $((8 / (8 / 11)) + 13) = 24$

30. $((((11 / 8) * 8) + 13) = 24$

31. $((((8 + 13) - 8) + 11) = 24$

32. $(11 - (8 - (8 + 13))) = 24$

33. $((((8 + 13) + 11) - 8) = 24$

34. $((8 + 13) + (11 - 8)) = 24$

35. $(11 - ((8 - 13) - 8)) = 24$

36. $((8 - (8 - 13)) + 11) = 24$

37. $(8 - ((8 - 13) - 11)) = 24$

38. $((11 - (8 - 13)) + 8) = 24$

39. $((((13 - 8) + 8) + 11) = 24$

40. $((((13 - 8) + 11) + 8) = 24$

41. $((13 - 8) + (8 + 11)) = 24$

42. $((((8 * 13) / 8) + 11) = 24$

43. $((8 / (8 / 13)) + 11) = 24$

44. $((((13 / 8) * 8) + 11) = 24$

45. $(8+(13-(8-11))) = 24$
 46. $((8+(11-8))+13) = 24$
 47. $(8+((11-8)+13)) = 24$
 48. $((8*(11/8))+13) = 24$
 49. $(8+(11-(8-13))) = 24$
 50. $((8+(13-8))+11) = 24$
 51. $(8+((13-8)+11)) = 24$
 52. $((8*(13/8))+11) = 24$
 53. $((8-8)+(11+13)) = 24$
 54. $((11+13)-(8-8)) = 24$
 55. $((8/8)*(11+13)) = 24$
 56. $((11+13)/(8/8)) = 24$
 57. $((8+(11+13))-8) = 24$
 58. $(8-(8-(11+13))) = 24$
 59. $((11+13)-8)+8 = 24$
 60. $((8*(11+13))/8) = 24$
 61. $(8/(8/(11+13))) = 24$
 62. $((11+13)/8)*8 = 24$
 63. $(8+((11+13)-8)) = 24$
 64. $(8*((11+13)/8)) = 24$
 65. $(8-(8*(11-13))) = 24$
 66. $((8*(13-11))+8) = 24$
 67. $(8+(8*(13-11))) = 24$

1713. [8, 8, 12, 12]
 1. $((8-8)+12)+12 = 24$
 2. $(12-((8-8)-12)) = 24$
 3. $((12-(8-8))+12) = 24$
 4. $((8-8)+(12+12)) = 24$
 5. $((12+12)-(8-8)) = 24$
 6. $((8/8)*12)+12 = 24$
 7. $((12/(8/8))+12) = 24$
 8. $((8/8)*(12+12)) = 24$
 9. $((12+12)/(8/8)) = 24$
 10. $((8+12)-8)+12 = 24$
 11. $(12-(8-(8+12))) = 24$
 12. $((8+12)+12)-8 = 24$
 13. $((8+12)-(8-12)) = 24$
 14. $((8+12)+(12-8)) = 24$
 15. $(12-((8-12)-8)) = 24$
 16. $((8-(8-12))+12) = 24$
 17. $(8-((8-12)-12)) = 24$
 18. $((12-(8-12))+8) = 24$
 19. $((12-8)+8)+12 = 24$
 20. $(12/((12-8)/8)) = 24$
 21. $((8/(12-8))*12) = 24$
 22. $((12-8)+12)+8 = 24$
 23. $(8/((12-8)/12)) = 24$
 24. $((12/(12-8))*8) = 24$

25. $((12-8)+(8+12)) = 24$
 26. $((8*12)/(12-8)) = 24$
 27. $((8*12)/8)+12 = 24$
 28. $((8/(8/12))+12) = 24$
 29. $((12/8)*8)+12 = 24$
 30. $(8+(12-(8-12))) = 24$
 31. $((8+(12-8))+12) = 24$
 32. $(8+((12-8)+12)) = 24$
 33. $(8*(12/(12-8))) = 24$
 34. $((8*(12/8))+12) = 24$
 35. $((8+(12+12))-8) = 24$
 36. $(8-(8-(12+12))) = 24$
 37. $((12+12)-8)+8 = 24$
 38. $((8*(12+12))/8) = 24$
 39. $(8/(8/(12+12))) = 24$
 40. $((12+12)/8)*8 = 24$
 41. $(8+((12+12)-8)) = 24$
 42. $(8*((12+12)/8)) = 24$

1714. [8, 8, 12, 13]
 1. $(12-((8/8)-13)) = 24$
 2. $((13-(8/8))+12) = 24$
 3. $(13-((8/8)-12)) = 24$
 4. $((12-(8/8))+13) = 24$
 5. $((13+12)-(8/8)) = 24$
 6. $((12+13)-(8/8)) = 24$

1715. [8, 8, 13, 13]
 无解

1716. [8, 9, 9, 9]
 无解

1717. [8, 9, 9, 10]
 无解

1718. [8, 9, 9, 11]
 无解

1719. [8, 9, 9, 12]
 1. $((8*9)/(12-9)) = 24$
 2. $((8/(12-9))*9) = 24$
 3. $(9/((12-9)/8)) = 24$
 4. $(8/((12-9)/9)) = 24$
 5. $(8*(9/(12-9))) = 24$

1720. [8, 9, 9, 13]
 无解

1721. [8, 9, 10, 10]
 无解

1722. [8, 9, 10, 11]
 无解

1723. [8, 9, 10, 12]
 1. $((8+10)/9)*12 = 24$
 2. $(12/(9/(8+10))) = 24$
 3. $((8+10)*12)/9 = 24$
 4. $((8+10)/(9/12)) = 24$
 5. $((8+10)*(12/9)) = 24$
 6. $((12/(8/10))+9) = 24$
 7. $((10/8)*12)+9 = 24$
 8. $((10/(8/12))+9) = 24$
 9. $((12/8)*10)+9 = 24$
 10. $((10*12)/8)+9 = 24$

1724. [8, 9, 10, 13]
 1. $(10-((8-9)-13)) = 24$
 2. $((13-(8-9))+10) = 24$
 3. $(13-((8-9)-10)) = 24$
 4. $((10-(8-9))+13) = 24$
 5. $((13+10)-(8-9)) = 24$
 6. $((9-8)+13)+10 = 24$
 7. $((9-8)+10)+13 = 24$
 8. $((9-8)+(13+10)) = 24$
 9. $((8*9)/(13-10)) = 24$
 10. $(13-((8-10)-9)) = 24$
 11. $((9-(8-10))+13) = 24$
 12. $(9-((8-10)-13)) = 24$
 13. $((13-(8-10))+9) = 24$
 14. $((9+13)-(8-10)) = 24$
 15. $((10-8)+9)+13 = 24$
 16. $((10-8)+13)+9 = 24$
 17. $((10-8)+(9+13)) = 24$
 18. $(10-((8-13)-9)) = 24$
 19. $((9-(8-13))+10) = 24$
 20. $(9-((8-13)-10)) = 24$
 21. $((10-(8-13))+9) = 24$
 22. $((9+10)-(8-13)) = 24$
 23. $((13-8)+9)+10 = 24$
 24. $((13-8)+10)+9 = 24$
 25. $((13-8)+(9+10)) = 24$
 26. $(13-(8-(9+10))) = 24$
 27. $((9+10)-8)+13 = 24$
 28. $((9+10)+13)-8 = 24$
 29. $(10-(8-(9+13))) = 24$
 30. $((9+13)-8)+10 = 24$

31. $((9+13)+10)-8 = 24$
 32. $((10+13)-(8-9)) = 24$
 33. $((9-8)+(10+13)) = 24$
 34. $(9-(8-(10+13))) = 24$
 35. $((10+13)-8)+9 = 24$
 36. $((9+(10+13))-8) = 24$
 37. $((8/(13-10))*9) = 24$
 38. $(9/((13-10)/8)) = 24$
 39. $(8*(9/(13-10))) = 24$
 40. $(8/((13-10)/9)) = 24$

1725. [8, 9, 11, 11]
 1. $((11-8)*11)-9 = 24$

1726. [8, 9, 11, 12]
 1. $(11-((8-9)-12)) = 24$
 2. $((12-(8-9))+11) = 24$
 3. $(12-((8-9)-11)) = 24$
 4. $((11-(8-9))+12) = 24$
 5. $((12+11)-(8-9)) = 24$
 6. $((9-8)+12)+11 = 24$
 7. $((9-8)+11)+12 = 24$
 8. $((9-8)+(12+11)) = 24$
 9. $(12-((8-11)-9)) = 24$
 10. $((9-(8-11))+12) = 24$
 11. $(9-((8-11)-12)) = 24$
 12. $((12-(8-11))+9) = 24$
 13. $((9+12)-(8-11)) = 24$
 14. $((11-8)+9)+12 = 24$
 15. $((11-8)+12)+9 = 24$
 16. $((11-8)+(9+12)) = 24$
 17. $(11-((8-12)-9)) = 24$
 18. $((9-(8-12))+11) = 24$
 19. $(9-((8-12)-11)) = 24$
 20. $((11-(8-12))+9) = 24$
 21. $((9+11)-(8-12)) = 24$
 22. $((12-8)+9)+11 = 24$
 23. $((12-8)+11)+9 = 24$
 24. $((12-8)+(9+11)) = 24$
 25. $(12-(8-(9+11))) = 24$
 26. $((9+11)-8)+12 = 24$
 27. $((9+11)+12)-8 = 24$
 28. $(11-(8-(9+12))) = 24$
 29. $((9+12)-8)+11 = 24$
 30. $((9+12)+11)-8 = 24$
 31. $((11+12)-(8-9)) = 24$
 32. $((9-8)+(11+12)) = 24$
 33. $(9-(8-(11+12))) = 24$
 34. $((11+12)-8)+9 = 24$

$$35. ((9+(11+12))-8) = 24$$

$$1727. [8, 9, 11, 13]$$

$$1. ((11-((8-9)*13)) = 24$$

$$2. ((11-(13/(8-9))) = 24$$

$$3. (13-((8-9)*11)) = 24$$

$$4. (13-(11/(8-9))) = 24$$

$$5. (((9-8)*13)+11) = 24$$

$$6. (((13/(9-8))+11) = 24$$

$$7. (((9-8)*11)+13) = 24$$

$$8. ((11/(9-8))+13) = 24$$

$$9. ((9-8)*(13+11)) = 24$$

$$10. ((13+11)/(9-8)) = 24$$

$$11. ((9-8)*(11+13)) = 24$$

$$12. ((11+13)/(9-8)) = 24$$

$$1728. [8, 9, 12, 12]$$

$$1. (12-((8-9)*12)) = 24$$

$$2. (12-(12/(8-9))) = 24$$

$$3. (((9-8)*12)+12) = 24$$

$$4. ((12/(9-8))+12) = 24$$

$$5. ((9-8)*(12+12)) = 24$$

$$6. ((12+12)/(9-8)) = 24$$

$$7. (((12-8)*9)-12) = 24$$

$$8. (8+(12/(9/12))) = 24$$

$$9. (8+((12/9)*12)) = 24$$

$$10. (8+((12*12)/9)) = 24$$

$$1729. [8, 9, 12, 13]$$

$$1. (((8-9)+13)+12) = 24$$

$$2. (((8-9)+12)+13) = 24$$

$$3. ((8-9)+(13+12)) = 24$$

$$4. (12-((9-8)-13)) = 24$$

$$5. ((13-(9-8))+12) = 24$$

$$6. (13-((9-8)-12)) = 24$$

$$7. ((12-(9-8))+13) = 24$$

$$8. ((13+12)-(9-8)) = 24$$

$$9. (((8+12)-9)+13) = 24$$

$$10. (13-(9-(8+12))) = 24$$

$$11. (((8+12)+13)-9) = 24$$

$$12. ((8+12)-(9-13)) = 24$$

$$13. ((8+12)+(13-9)) = 24$$

$$14. ((8*12)/(13-9)) = 24$$

$$15. (((8+13)-9)+12) = 24$$

$$16. (12-(9-(8+13))) = 24$$

$$17. (((8+13)+12)-9) = 24$$

$$18. ((8+13)-(9-12)) = 24$$

$$19. ((8+13)+(12-9)) = 24$$

$$20. ((8-(9-12))+13) = 24$$

$$21. (13-((9-12)-8)) = 24$$

$$22. (8-((9-12)-13)) = 24$$

$$23. (8+(13-(9-12))) = 24$$

$$24. ((8+(12-9))+13) = 24$$

$$25. (8+((12-9)+13)) = 24$$

$$26. ((8-(9-13))+12) = 24$$

$$27. (12-((9-13)-8)) = 24$$

$$28. (8-((9-13)-12)) = 24$$

$$29. (8+(12-(9-13))) = 24$$

$$30. ((8+(13-9))+12) = 24$$

$$31. ((8/(13-9))*12) = 24$$

$$32. (12/((13-9)/8)) = 24$$

$$33. (8+((13-9)+12)) = 24$$

$$34. (8/((13-9)/12)) = 24$$

$$35. (8*(12/(13-9))) = 24$$

$$36. ((8-9)+(12+13)) = 24$$

$$37. ((12+13)-(9-8)) = 24$$

$$38. ((8+(12+13))-9) = 24$$

$$39. (8-(9-(12+13))) = 24$$

$$40. (8+((12+13)-9)) = 24$$

$$1730. [8, 9, 13, 13]$$

无解

$$1731. [8, 10, 10, 10]$$

无解

$$1732. [8, 10, 10, 11]$$

无解

$$1733. [8, 10, 10, 12]$$

$$1. (10-((8-10)-12)) = 24$$

$$2. ((12-(8-10))+10) = 24$$

$$3. (12-((8-10)-10)) = 24$$

$$4. ((10-(8-10))+12) = 24$$

$$5. ((12+10)-(8-10)) = 24$$

$$6. (((10-8)+12)+10) = 24$$

$$7. (((10-8)+10)+12) = 24$$

$$8. ((10-8)+(12+10)) = 24$$

$$9. ((10+12)-(8-10)) = 24$$

$$10. ((10-8)+(10+12)) = 24$$

$$11. (10-((8-12)-10)) = 24$$

$$12. ((10-(8-12))+10) = 24$$

$$13. ((10+10)-(8-12)) = 24$$

$$14. (((12-8)+10)+10) = 24$$

$$15. ((12-8)+(10+10)) = 24$$

$$16. (12-(8-(10+10))) = 24$$

$$17. (((10+10)-8)+12) = 24$$

$$18. (((10+10)+12)-8) = 24$$

$$19. (10-(8-(10+12))) = 24$$

$$20. (((10+12)-8)+10) = 24$$

$$21. (((10+12)+10)-8) = 24$$

$$22. ((10+(10+12))-8) = 24$$

$$1734. [8, 10, 10, 13]$$

无解

$$1735. [8, 10, 11, 11]$$

$$1. (11-((8-10)-11)) = 24$$

$$2. ((11-(8-10))+11) = 24$$

$$3. ((11+11)-(8-10)) = 24$$

$$4. (((10-8)+11)+11) = 24$$

$$5. ((10-8)+(11+11)) = 24$$

$$6. (11-((8-11)-10)) = 24$$

$$7. ((10-(8-11))+11) = 24$$

$$8. (10-((8-11)-11)) = 24$$

$$9. ((11-(8-11))+10) = 24$$

$$10. ((10+11)-(8-11)) = 24$$

$$11. (((11-8)+10)+11) = 24$$

$$12. (((11-8)+11)+10) = 24$$

$$13. ((11-8)+(10+11)) = 24$$

$$14. (11-(8-(10+11))) = 24$$

$$15. (((10+11)-8)+11) = 24$$

$$16. (((10+11)+11)-8) = 24$$

$$17. (10-(8-(11+11))) = 24$$

$$18. (((11+11)-8)+10) = 24$$

$$19. ((10+(11+11))-8) = 24$$

$$1736. [8, 10, 11, 12]$$

无解

$$1737. [8, 10, 11, 13]$$

无解

$$1738. [8, 10, 12, 12]$$

$$1. (((8+12)/10)*12) = 24$$

$$2. (12/(10/(8+12))) = 24$$

$$3. (((8+12)*12)/10) = 24$$

$$4. ((8+12)/(10/12)) = 24$$

$$5. ((8+12)*(12/10)) = 24$$

$$6. ((10*12)-(8*12)) = 24$$

$$1739. [8, 10, 12, 13]$$

$$1. (12/((13-8)/10)) = 24$$

$$2. ((10/(13-8))*12) = 24$$

$$3. (10/((13-8)/12)) = 24$$

$$4. ((12/(13-8))*10) = 24$$

$$5. ((10*12)/(13-8)) = 24$$

$$1740. [8, 10, 13, 13]$$

$$1. (((8-10)+13)+13) = 24$$

$$2. ((8-10)+(13+13)) = 24$$

$$3. (13-((10-8)-13)) = 24$$

$$4. ((13-(10-8))+13) = 24$$

$$5. ((13+13)-(10-8)) = 24$$

$$6. (((8+13)-10)+13) = 24$$

$$7. (13-(10-(8+13))) = 24$$

$$8. (((8+13)+13)-10) = 24$$

$$9. ((8+13)-(10-13)) = 24$$

$$10. ((8+13)+(13-10)) = 24$$

$$11. ((8-(10-13))+13) = 24$$

$$12. (13-((10-13)-8)) = 24$$

$$13. (8-((10-13)-13)) = 24$$

$$14. (8+(13-(10-13))) = 24$$

$$15. ((8+(13-10))+13) = 24$$

$$16. (8+((13-10)+13)) = 24$$

$$17. ((8+(13+13))-10) = 24$$

$$18. (8-(10-(13+13))) = 24$$

$$19. (8+((13+13)-10)) = 24$$

$$1741. [8, 11, 11, 11]$$

无解

$$1742. [8, 11, 11, 12]$$

无解

$$1743. [8, 11, 11, 13]$$

无解

$$1744. [8, 11, 12, 12]$$

$$1. (((11-8)*12)-12) = 24$$

$$1745. [8, 11, 12, 13]$$

无解

$$1746. [8, 11, 13, 13]$$

无解

$$1747. [8, 12, 12, 12]$$

无解

$$1748. [8, 12, 12, 13]$$

无解

$$1749. [8, 12, 13, 13]$$

无解

1750. [8, 13, 13, 13]

无解

1751. [9, 9, 9, 9]

无解

1752. [9, 9, 9, 10]

无解

1753. [9, 9, 9, 11]

无解

1754. [9, 9, 9, 12]

1. $((9+9)*12)/9 = 24$
2. $((9+9)/9)*12 = 24$
3. $(12/(9/(9+9))) = 24$
4. $((9+9)*(12/9)) = 24$
5. $((9+9)/(9/12)) = 24$
6. $((12/9)*(9+9)) = 24$

1755. [9, 9, 9, 13]

无解

1756. [9, 9, 10, 10]

无解

1757. [9, 9, 10, 11]

无解

1758. [9, 9, 10, 12]

无解

1759. [9, 9, 10, 13]

1. $((9/9)+13)+10 = 24$
2. $((9/9)+10)+13 = 24$
3. $((9/9)+(13+10)) = 24$
4. $((9/9)+(10+13)) = 24$

1760. [9, 9, 11, 11]

无解

1761. [9, 9, 11, 12]

1. $((9/9)+12)+11 = 24$
2. $((9/9)+11)+12 = 24$
3. $((9/9)+(12+11)) = 24$
4. $((12-9)*11)-9 = 24$
5. $((9/9)+(11+12)) = 24$

1762. [9, 9, 11, 13]

$$1. (((9-9)+13)+11) = 24$$

$$2. (11-((9-9)-13)) = 24$$

$$3. ((13-(9-9))+11) = 24$$

$$4. (((9-9)+11)+13) = 24$$

$$5. (13-((9-9)-11)) = 24$$

$$6. ((11-(9-9))+13) = 24$$

$$7. ((9-9)+(13+11)) = 24$$

$$8. ((13+11)-(9-9)) = 24$$

$$9. (((9/9)*13)+11) = 24$$

$$10. ((13/(9/9))+11) = 24$$

$$11. (((9/9)*11)+13) = 24$$

$$12. ((11/(9/9))+13) = 24$$

$$13. ((9/9)*(13+11)) = 24$$

$$14. ((13+11)/(9/9)) = 24$$

$$15. (((9+11)-9)+13) = 24$$

$$16. (13-(9-(9+11))) = 24$$

$$17. (((9+11)+13)-9) = 24$$

$$18. ((9+11)-(9-13)) = 24$$

$$19. ((9+11)+(13-9)) = 24$$

$$20. (13-((9-11)-9)) = 24$$

$$21. ((9-(9-11))+13) = 24$$

$$22. (9-((9-11)-13)) = 24$$

$$23. ((13-(9-11))+9) = 24$$

$$24. ((9+13)-(9-11)) = 24$$

$$25. (((11-9)+9)+13) = 24$$

$$26. (((11-9)+13)+9) = 24$$

$$27. ((11-9)+(9+13)) = 24$$

$$28. (((9*11)/9)+13) = 24$$

$$29. ((9/(9/11))+13) = 24$$

$$30. (((11/9)*9)+13) = 24$$

$$31. (((9+13)-9)+11) = 24$$

$$32. (11-(9-(9+13))) = 24$$

$$33. (((9+13)+11)-9) = 24$$

$$34. ((9+13)+(11-9)) = 24$$

$$35. (11-((9-13)-9)) = 24$$

$$36. ((9-(9-13))+11) = 24$$

$$37. (9-((9-13)-11)) = 24$$

$$38. ((11-(9-13))+9) = 24$$

$$39. (((13-9)+9)+11) = 24$$

$$40. (((13-9)+11)+9) = 24$$

$$41. ((13-9)+(9+11)) = 24$$

$$42. (((9*13)/9)+11) = 24$$

$$43. ((9/(9/13))+11) = 24$$

$$44. (((13/9)*9)+11) = 24$$

$$45. (9+(13-(9-11))) = 24$$

$$46. ((9+(11-9))+13) = 24$$

$$47. (9+((11-9)+13)) = 24$$

$$48. ((9*(11/9))+13) = 24$$

$$49. (9+(11-(9-13))) = 24$$

$$50. ((9+(13-9))+11) = 24$$

$$51. (9+((13-9)+11)) = 24$$

$$52. ((9*(13/9))+11) = 24$$

$$53. ((9-9)+(11+13)) = 24$$

$$54. ((11+13)-(9-9)) = 24$$

$$55. ((9/9)*(11+13)) = 24$$

$$56. ((11+13)/(9/9)) = 24$$

$$57. ((9+(11+13))-9) = 24$$

$$58. (9-(9-(11+13))) = 24$$

$$59. (((11+13)-9)+9) = 24$$

$$60. ((9*(11+13))/9) = 24$$

$$61. (9/(9/(11+13))) = 24$$

$$62. (((11+13)/9)*9) = 24$$

$$63. (9+((11+13)-9)) = 24$$

$$64. (9*((11+13)/9)) = 24$$

1763. [9, 9, 12, 12]

$$1. (((9-9)+12)+12) = 24$$

$$2. (12-((9-9)-12)) = 24$$

$$3. ((12-(9-9))+12) = 24$$

$$4. ((9-9)+(12+12)) = 24$$

$$5. ((12+12)-(9-9)) = 24$$

$$6. (((9/9)*12)+12) = 24$$

$$7. ((12/(9/9))+12) = 24$$

$$8. ((9/9)*(12+12)) = 24$$

$$9. ((12+12)/(9/9)) = 24$$

$$10. (((9+12)-9)+12) = 24$$

$$11. (12-(9-(9+12))) = 24$$

$$12. (((9+12)+12)-9) = 24$$

$$13. ((9+12)-(9-12)) = 24$$

$$14. ((9+12)+(12-9)) = 24$$

$$15. (12-((9-12)-9)) = 24$$

$$16. ((9-(9-12))+12) = 24$$

$$17. (9-((9-12)-12)) = 24$$

$$18. ((12-(9-12))+9) = 24$$

$$19. (((12-9)+9)+12) = 24$$

$$20. (((12-9)+12)+9) = 24$$

$$21. ((12-9)+(9+12)) = 24$$

$$22. (((9*12)/9)+12) = 24$$

$$23. ((9/(9/12))+12) = 24$$

$$24. (((12/9)*9)+12) = 24$$

$$25. (9+(12-(9-12))) = 24$$

$$26. ((9+(12-9))+12) = 24$$

$$27. (9+((12-9)+12)) = 24$$

$$28. ((9*(12/9))+12) = 24$$

$$29. ((9+(12+12))-9) = 24$$

$$30. (9-(9-(12+12))) = 24$$

$$31. (((12+12)-9)+9) = 24$$

$$32. ((9*(12+12))/9) = 24$$

$$33. (9/(9/(12+12))) = 24$$

$$34. (((12+12)/9)*9) = 24$$

$$35. (9+((12+12)-9)) = 24$$

$$36. (9*((12+12)/9)) = 24$$

1764. [9, 9, 12, 13]

$$1. (12-((9/9)-13)) = 24$$

$$2. ((13-(9/9))+12) = 24$$

$$3. (13-((9/9)-12)) = 24$$

$$4. ((12-(9/9))+13) = 24$$

$$5. ((13+12)-(9/9)) = 24$$

$$6. (((13-9)*9)-12) = 24$$

$$7. ((9*(13-9))-12) = 24$$

$$8. ((12+13)-(9/9)) = 24$$

1765. [9, 9, 13, 13]

无解

1766. [9, 10, 10, 10]

无解

1767. [9, 10, 10, 11]

无解

1768. [9, 10, 10, 12]

无解

1769. [9, 10, 10, 13]

$$1. (10-((9-10)-13)) = 24$$

$$2. ((13-(9-10))+10) = 24$$

$$3. (13-((9-10)-10)) = 24$$

$$4. ((10-(9-10))+13) = 24$$

$$5. ((13+10)-(9-10)) = 24$$

$$6. (((10-9)+13)+10) = 24$$

$$7. (((10-9)+10)+13) = 24$$

$$8. ((10-9)+(13+10)) = 24$$

$$9. ((10+13)-(9-10)) = 24$$

$$10. ((10-9)+(10+13)) = 24$$

$$11. (10-((9-13)-10)) = 24$$

$$12. ((10-(9-13))+10) = 24$$

$$13. ((10+10)-(9-13)) = 24$$

$$14. (((13-9)+10)+10) = 24$$

$$15. ((13-9)+(10+10)) = 24$$

$$16. (13-(9-(10+10))) = 24$$

$$17. (((10+10)-9)+13) = 24$$

$$18. (((10+10)+13)-9) = 24$$

$$19. (10-(9-(10+13))) = 24$$

$$20. (((10+13)-9)+10) = 24$$

$$21. (((10+13)+10)-9) = 24$$

$$22. ((10+(10+13))-9) = 24$$

1770. [9, 10, 11, 11]

无解

1771. [9, 10, 11, 12]

1. $((11-(9-10)-12)) = 24$
2. $((12-(9-10))+11) = 24$
3. $(12-((9-10)-11)) = 24$
4. $((11-(9-10))+12) = 24$
5. $((12+11)-(9-10)) = 24$
6. $((10-9)+12)+11) = 24$
7. $((10-9)+11)+12) = 24$
8. $((10-9)+(12+11)) = 24$
9. $((9+11)/10)*12) = 24$
10. $(12/(10/(9+11))) = 24$
11. $((9+11)*12)/10) = 24$
12. $((9+11)/(10/12)) = 24$
13. $((9+11)*(12/10)) = 24$
14. $(12-((9-11)-10)) = 24$
15. $((10-(9-11))+12) = 24$
16. $(10-((9-11)-12)) = 24$
17. $((12-(9-11))+10) = 24$
18. $((10+12)-(9-11)) = 24$
19. $((11-9)+10)+12) = 24$
20. $((11-9)+12)+10) = 24$
21. $((11-9)+(10+12)) = 24$
22. $(11-((9-12)-10)) = 24$
23. $((10-(9-12))+11) = 24$
24. $(10-((9-12)-11)) = 24$
25. $((11-(9-12))+10) = 24$
26. $((10+11)-(9-12)) = 24$
27. $((12-9)+10)+11) = 24$
28. $((12-9)+11)+10) = 24$
29. $((12-9)+(10+11)) = 24$
30. $(12-(9-(10+11))) = 24$
31. $((10+11)-9)+12) = 24$
32. $((10+11)+12)-9) = 24$
33. $(11-(9-(10+12))) = 24$
34. $((10+12)-9)+11) = 24$
35. $((10+12)+11)-9) = 24$
36. $((11+12)-(9-10)) = 24$
37. $((10-9)+(11+12)) = 24$
38. $(10-(9-(11+12))) = 24$
39. $((11+12)-9)+10) = 24$
40. $((10+(11+12))-9) = 24$

1772. [9, 10, 11, 13]

$$1. ((11-(9-10)*13)) = 24$$

$$2. ((11-(13/(9-10)))) = 24$$

3. $(13-((9-10)*11)) = 24$
4. $(13-(11/(9-10))) = 24$
5. $((10-9)*13)+11) = 24$
6. $((13/(10-9))+11) = 24$
7. $((10-9)*11)+13) = 24$
8. $((11/(10-9))+13) = 24$
9. $((10-9)*(13+11)) = 24$
10. $((13+11)/(10-9)) = 24$
11. $((13-10)*11)-9) = 24$
12. $((10-9)*(11+13)) = 24$
13. $((11+13)/(10-9)) = 24$

1773. [9, 10, 12, 12]

1. $(12-((9-10)*12)) = 24$
2. $(12-(12/(9-10))) = 24$
3. $((10-9)*12)+12) = 24$
4. $((12/(10-9))+12) = 24$
5. $((10-9)*(12+12)) = 24$
6. $((12+12)/(10-9)) = 24$

1774. [9, 10, 12, 13]

1. $((9-10)+13)+12) = 24$
2. $((9-10)+12)+13) = 24$
3. $((9-10)+(13+12)) = 24$
4. $(12-((10-9)-13)) = 24$
5. $((13-(10-9))+12) = 24$
6. $(13-((10-9)-12)) = 24$
7. $((12-(10-9))+13) = 24$
8. $((13+12)-(10-9)) = 24$
9. $((9+12)-10)+13) = 24$
10. $(13-(10-(9+12))) = 24$
11. $((9+12)+13)-10) = 24$
12. $((9+12)-(10-13)) = 24$
13. $((9+12)+(13-10)) = 24$
14. $((9+13)-10)+12) = 24$
15. $(12-(10-(9+13))) = 24$
16. $((9+13)+12)-10) = 24$
17. $((9+13)-(10-12)) = 24$
18. $((9+13)+(12-10)) = 24$
19. $((9-(10-12))+13) = 24$
20. $(13-((10-12)-9)) = 24$
21. $(9-((10-12)-13)) = 24$
22. $(9+(13-(10-12))) = 24$
23. $((9+(12-10))+13) = 24$
24. $(9+((12-10)+13)) = 24$
25. $((9-(10-13))+12) = 24$
26. $(12-((10-13)-9)) = 24$
27. $(9-((10-13)-12)) = 24$

$$28. (9+(12-(10-13))) = 24$$

29. $((9+(13-10))+12) = 24$
30. $(9+((13-10)+12)) = 24$
31. $((9-10)+(12+13)) = 24$
32. $((12+13)-(10-9)) = 24$
33. $((9+(12+13))-10) = 24$
34. $(9-(10-(12+13))) = 24$
35. $(9+((12+13)-10)) = 24$

1775. [9, 10, 13, 13]

无解

1776. [9, 11, 11, 11]

1. $((11-(9-11)-11)) = 24$
2. $((11-(9-11))+11) = 24$
3. $((11+11)-(9-11)) = 24$
4. $((11-9)+11)+11) = 24$
5. $((11-9)+(11+11)) = 24$
6. $(11-(9-(11+11))) = 24$
7. $((11+11)-9)+11) = 24$
8. $((11+11)+11)-9) = 24$
9. $((11+(11+11))-9) = 24$

1777. [9, 11, 11, 12]

无解

1778. [9, 11, 11, 13]

无解

1779. [9, 11, 12, 12]

$$1. ((11*12)-(9*12)) = 24$$

1780. [9, 11, 12, 13]

1. $((9+13)/11)*12) = 24$
2. $(12/(11/(9+13))) = 24$
3. $((9+13)*12)/11) = 24$
4. $((9+13)/(11/12)) = 24$
5. $((9+13)*(12/11)) = 24$

1781. [9, 11, 13, 13]

1. $((9-11)+13)+13) = 24$
2. $((9-11)+(13+13)) = 24$
3. $(13-((11-9)-13)) = 24$
4. $((13-(11-9))+13) = 24$
5. $((13+13)-(11-9)) = 24$
6. $((9+13)-11)+13) = 24$
7. $(13-(11-(9+13))) = 24$
8. $((9+13)+13)-11) = 24$
9. $((9+13)-(11-13)) = 24$

$$10. ((9+13)+(13-11)) = 24$$

11. $((9-(11-13))+13) = 24$
12. $(13-((11-13)-9)) = 24$
13. $(9-((11-13)-13)) = 24$
14. $(9+(13-(11-13))) = 24$
15. $((9+(13-11))+13) = 24$
16. $(9+((13-11)+13)) = 24$
17. $((9+(13+13))-11) = 24$
18. $(9-(11-(13+13))) = 24$
19. $(9+((13+13)-11)) = 24$

1782. [9, 12, 12, 12]

$$1. (((12-9)*12)-12) = 24$$

1783. [9, 12, 12, 13]

无解

1784. [9, 12, 13, 13]

无解

1785. [9, 13, 13, 13]

无解

1786. [10, 10, 10, 10]

无解

1787. [10, 10, 10, 11]

无解

1788. [10, 10, 10, 12]

1. $((10+10)*12)/10) = 24$
2. $((10+10)/10)*12) = 24$
3. $(12/(10/(10+10))) = 24$
4. $((10+10)*(12/10)) = 24$
5. $((10+10)/(10/12)) = 24$
6. $((12/10)*(10+10)) = 24$

1789. [10, 10, 10, 13]

1. $((10/10)+13)+10) = 24$
2. $((10/10)+10)+13) = 24$
3. $((10/10)+(13+10)) = 24$
4. $((10/10)+(10+13)) = 24$
5. $((10+13)+(10/10)) = 24$
6. $((10+(10/10))+13) = 24$
7. $(10+((10/10)+13)) = 24$

1790. [10, 10, 11, 11]

无解

1791. [10, 10, 11, 12]

1. $((((10/10)+12)+11)) = 24$
2. $((((10/10)+11)+12)) = 24$
3. $((10/10)+(12+11)) = 24$
4. $((10/10)+(11+12)) = 24$

1792. [10, 10, 11, 13]

1. $((((10-10)+13)+11)) = 24$
2. $((11-((10-10)-13))) = 24$
3. $((13-(10-10))+11) = 24$
4. $((((10-10)+11)+13)) = 24$
5. $(13-((10-10)-11)) = 24$
6. $((11-(10-10))+13) = 24$
7. $((10-10)+(13+11)) = 24$
8. $((13+11)-(10-10)) = 24$
9. $((((10/10)*13)+11)) = 24$
10. $((13/(10/10))+11) = 24$
11. $((((10/10)*11)+13)) = 24$
12. $((11/(10/10))+13) = 24$
13. $((10/10)*(13+11)) = 24$
14. $((13+11)/(10/10)) = 24$
15. $((((10+11)-10)+13)) = 24$
16. $(13-(10-(10+11))) = 24$
17. $((((10+11)+13)-10)) = 24$
18. $((10+11)-(10-13)) = 24$
19. $((10+11)+(13-10)) = 24$
20. $(13-((10-11)-10)) = 24$
21. $((10-(10-11))+13) = 24$
22. $(10-((10-11)-13)) = 24$
23. $((13-(10-11))+10) = 24$
24. $((10+13)-(10-11)) = 24$
25. $((((11-10)+10)+13)) = 24$
26. $((((11-10)+13)+10)) = 24$
27. $((11-10)+(10+13)) = 24$
28. $((((10*11)/10)+13)) = 24$
29. $((10/(10/11))+13) = 24$
30. $((((11/10)*10)+13)) = 24$
31. $((((10+13)-10)+11)) = 24$
32. $(11-(10-(10+13))) = 24$
33. $((((10+13)+11)-10)) = 24$
34. $((10+13)+(11-10)) = 24$
35. $(11-((10-13)-10)) = 24$
36. $((10-(10-13))+11) = 24$
37. $(10-((10-13)-11)) = 24$
38. $((11-(10-13))+10) = 24$
39. $((((13-10)+10)+11)) = 24$
40. $((((13-10)+11)+10)) = 24$
41. $((13-10)+(10+11)) = 24$
42. $((((10*13)/10)+11)) = 24$

43. $((10/(10/13))+11) = 24$

44. $((((13/10)*10)+11)) = 24$
45. $(10+((13-(10-11)))) = 24$
46. $((10+(11-10))+13) = 24$
47. $(10+((11-10)+13)) = 24$
48. $((10*(11/10))+13) = 24$
49. $(10+(11-(10-13))) = 24$
50. $((10+(13-10))+11) = 24$
51. $(10+((13-10)+11)) = 24$
52. $((10*(13/10))+11) = 24$
53. $((10-10)+(11+13)) = 24$
54. $((11+13)-(10-10)) = 24$
55. $((10/10)*(11+13)) = 24$
56. $((11+13)/(10/10)) = 24$
57. $((10+(11+13))-10) = 24$
58. $(10-(10-(11+13))) = 24$
59. $((((11+13)-10)+10)) = 24$
60. $((10*(11+13))/10) = 24$
61. $(10/(10/(11+13))) = 24$
62. $((((11+13)/10)*10)) = 24$
63. $(10+((11+13)-10)) = 24$
64. $(10*((11+13)/10)) = 24$

1793. [10, 10, 12, 12]

1. $((((10-10)+12)+12)) = 24$
2. $(12-((10-10)-12)) = 24$
3. $((12-(10-10))+12) = 24$
4. $((10-10)+(12+12)) = 24$
5. $((12+12)-(10-10)) = 24$
6. $((((10/10)*12)+12)) = 24$
7. $((12/(10/10))+12) = 24$
8. $((10/10)*(12+12)) = 24$
9. $((12+12)/(10/10)) = 24$
10. $((((10+12)-10)+12)) = 24$
11. $(12-(10-(10+12))) = 24$
12. $((((10+12)+12)-10)) = 24$
13. $((10+12)-(10-12)) = 24$
14. $((10+12)+(12-10)) = 24$
15. $(12-((10-12)-10)) = 24$
16. $((10-(10-12))+12) = 24$
17. $(10-((10-12)-12)) = 24$
18. $((12-(10-12))+10) = 24$
19. $((((12-10)+10)+12)) = 24$
20. $((((12-10)+12)+10)) = 24$
21. $((12-10)+(10+12)) = 24$
22. $((((10*12)/10)+12)) = 24$
23. $((10/(10/12))+12) = 24$
24. $((((12/10)*10)+12)) = 24$
25. $(10+(12-(10-12))) = 24$

26. $((10+(12-10))+12) = 24$

27. $(10+((12-10)+12)) = 24$
28. $((10*(12/10))+12) = 24$
29. $((10+(12+12))-10) = 24$
30. $(10-(10-(12+12))) = 24$
31. $((((12+12)-10)+10)) = 24$
32. $((10*(12+12))/10) = 24$
33. $(10/(10/(12+12))) = 24$
34. $((((12+12)/10)*10)) = 24$
35. $(10+((12+12)-10)) = 24$
36. $(10*((12+12)/10)) = 24$

1794. [10, 10, 12, 13]

1. $(12-((10/10)-13)) = 24$
2. $((13-(10/10))+12) = 24$
3. $(13-((10/10)-12)) = 24$
4. $((12-(10/10))+13) = 24$
5. $((13+12)-(10/10)) = 24$
6. $((12+13)-(10/10)) = 24$

1795. [10, 10, 13, 13]

无解

1796. [10, 11, 11, 11]

无解

1797. [10, 11, 11, 12]

1. $(11-((10-11)-12)) = 24$
2. $((12-(10-11))+11) = 24$
3. $(12-((10-11)-11)) = 24$
4. $((11-(10-11))+12) = 24$
5. $((12+11)-(10-11)) = 24$
6. $((((11-10)+12)+11)) = 24$
7. $((((11-10)+11)+12)) = 24$
8. $((11-10)+(12+11)) = 24$
9. $((11+12)-(10-11)) = 24$
10. $((11-10)+(11+12)) = 24$
11. $(11-((10-12)-11)) = 24$
12. $((11-(10-12))+11) = 24$
13. $((11+11)-(10-12)) = 24$
14. $((((12-10)+11)+11)) = 24$
15. $((12-10)+(11+11)) = 24$
16. $(12-(10-(11+11))) = 24$
17. $((((11+11)-10)+12)) = 24$
18. $((((11+11)+12)-10)) = 24$
19. $(11-(10-(11+12))) = 24$
20. $((((11+12)-10)+11)) = 24$
21. $((((11+12)+11)-10)) = 24$
22. $((11+(11+12))-10) = 24$

1798. [10, 11, 11, 13]

1. $(11-((10-11)*13)) = 24$
2. $(11-(13/(10-11))) = 24$
3. $(13-((10-11)*11)) = 24$
4. $(13-(11/(10-11))) = 24$
5. $((((11-10)*13)+11)) = 24$
6. $((13/(11-10))+11) = 24$
7. $((((11-10)*11)+13)) = 24$
8. $((11/(11-10))+13) = 24$
9. $((11-10)*(13+11)) = 24$
10. $((13+11)/(11-10)) = 24$
11. $((11-10)*(11+13)) = 24$
12. $((11+13)/(11-10)) = 24$
13. $((10+13)+(11/11)) = 24$
14. $((10+(11/11))+13) = 24$
15. $(10+((11/11)+13)) = 24$

1799. [10, 11, 12, 12]

1. $(12-((10-11)*12)) = 24$
2. $(12-(12/(10-11))) = 24$
3. $((((11-10)*12)+12)) = 24$
4. $((12/(11-10))+12) = 24$
5. $((11-10)*(12+12)) = 24$
6. $((12+12)/(11-10)) = 24$
7. $((((10+12)/11)*12)) = 24$
8. $(12/(11/(10+12))) = 24$
9. $((((10+12)*12)/11)) = 24$
10. $((10+12)/(11/12)) = 24$
11. $((10+12)*(12/11)) = 24$

1800. [10, 11, 12, 13]

1. $((((10-11)+13)+12)) = 24$
2. $((((10-11)+12)+13)) = 24$
3. $((10-11)+(13+12)) = 24$
4. $(12-((11-10)-13)) = 24$
5. $((13-(11-10))+12) = 24$
6. $(13-((11-10)-12)) = 24$
7. $((12-(11-10))+13) = 24$
8. $((13+12)-(11-10)) = 24$
9. $((((10+12)-11)+13)) = 24$
10. $(13-(11-(10+12))) = 24$
11. $((((10+12)+13)-11)) = 24$
12. $((10+12)-(11-13)) = 24$
13. $((10+12)+(13-11)) = 24$
14. $((((10+13)-11)+12)) = 24$
15. $(12-(11-(10+13))) = 24$
16. $((((10+13)+12)-11)) = 24$
17. $((10+13)-(11-12)) = 24$

$$\begin{aligned}
18. & ((10+13)+(12-11)) = 24 \\
19. & ((10-(11-12))+13) = 24 \\
20. & (13-((11-12)-10)) = 24 \\
21. & (10-((11-12)-13)) = 24 \\
22. & (10+(13-(11-12))) = 24 \\
23. & ((10+(12-11))+13) = 24 \\
24. & (10+((12-11)+13)) = 24 \\
25. & ((10-(11-13))+12) = 24 \\
26. & (12-((11-13)-10)) = 24 \\
27. & (10-((11-13)-12)) = 24 \\
28. & (10+(12-(11-13))) = 24 \\
29. & ((10+(13-11))+12) = 24 \\
30. & (10+((13-11)+12)) = 24 \\
31. & ((10-11)+(12+13)) = 24 \\
32. & ((12+13)-(11-10)) = 24 \\
33. & ((10+(12+13))-11) = 24 \\
34. & (10-(11-(12+13))) = 24 \\
35. & (10+((12+13)-11)) = 24
\end{aligned}$$

1801. [10, 11, 13, 13]

无解

1802. [10, 12, 12, 12]

$$1. ((12*12)-(10*12)) = 24$$

1803. [10, 12, 12, 13]

$$\begin{aligned}
1. & ((10+13)+(12/12)) = 24 \\
2. & (((13-10)*12)-12) = 24 \\
3. & ((10+(12/12))+13) = 24 \\
4. & (10+((12/12)+13)) = 24
\end{aligned}$$

1804. [10, 12, 13, 13]

$$\begin{aligned}
1. & (((10-12)+13)+13) = 24 \\
2. & ((10-12)+(13+13)) = 24 \\
3. & (13-((12-10)-13)) = 24 \\
4. & (((13-12-10))+13) = 24 \\
5. & ((13+13)-(12-10)) = 24 \\
6. & (((10+13)-12)+13) = 24 \\
7. & (13-(12-(10+13))) = 24 \\
8. & (((10+13)+13)-12) = 24 \\
9. & ((10+13)-(12-13)) = 24 \\
10. & ((10+13)+(13-12)) = 24 \\
11. & ((10-(12-13))+13) = 24 \\
12. & (13-((12-13)-10)) = 24 \\
13. & (10-((12-13)-13)) = 24 \\
14. & (10+(13-(12-13))) = 24 \\
15. & ((10+(13-12))+13) = 24 \\
16. & (10+((13-12)+13)) = 24 \\
17. & ((10+(13+13))-12) = 24
\end{aligned}$$

$$\begin{aligned}
18. & (10-(12-(13+13))) = 24 \\
19. & (10+((13+13)-12)) = 24
\end{aligned}$$

1805. [10, 13, 13, 13]

$$\begin{aligned}
1. & ((10+13)+(13/13)) = 24 \\
2. & ((10+(13/13))+13) = 24 \\
3. & (10+((13/13)+13)) = 24 \\
4. & (10+(13+(13/13))) = 24
\end{aligned}$$

1806. [11, 11, 11, 11]

无解

1807. [11, 11, 11, 12]

$$\begin{aligned}
1. & (((11+11)*12)/11) = 24 \\
2. & (((11+11)/11)*12) = 24 \\
3. & (12/(11/(11+11))) = 24 \\
4. & ((11+11)*(12/11)) = 24 \\
5. & ((11+11)/(11/12)) = 24 \\
6. & (((11/11)+12)+11) = 24 \\
7. & (((11/11)+11)+12) = 24 \\
8. & ((11/11)+(12+11)) = 24 \\
9. & ((11/11)+(11+12)) = 24 \\
10. & ((11+12)+(11/11)) = 24 \\
11. & ((12/11)*(11+11)) = 24 \\
12. & ((11+(11/11))+12) = 24 \\
13. & (11+((11/11)+12)) = 24
\end{aligned}$$

1808. [11, 11, 11, 13]

$$\begin{aligned}
1. & (((11+11)+13)-11) = 24 \\
2. & (((11+11)-11)+13) = 24 \\
3. & (13-(11-(11+11))) = 24 \\
4. & ((11+11)+(13-11)) = 24 \\
5. & ((11+11)-(11-13)) = 24 \\
6. & (((11-11)+13)+11) = 24 \\
7. & (11-((11-11)-13)) = 24 \\
8. & ((13-(11-11))+11) = 24 \\
9. & (((11-11)+11)+13) = 24 \\
10. & (13-((11-11)-11)) = 24 \\
11. & ((11-(11-11))+13) = 24 \\
12. & ((11-11)+(13+11)) = 24 \\
13. & ((13+11)-(11-11)) = 24 \\
14. & (((11*11)/11)+13) = 24 \\
15. & (((11/11)*13)+11) = 24 \\
16. & ((13/(11/11))+11) = 24 \\
17. & (((11/11)*11)+13) = 24 \\
18. & ((11/(11/11))+13) = 24 \\
19. & ((11/11)*(13+11)) = 24 \\
20. & ((13+11)/(11/11)) = 24 \\
21. & ((11-11)+(11+13)) = 24
\end{aligned}$$

$$\begin{aligned}
22. & ((11+13)-(11-11)) = 24 \\
23. & ((11/11)*(11+13)) = 24 \\
24. & ((11+13)/(11/11)) = 24 \\
25. & (((11+13)+11)-11) = 24 \\
26. & (((11+13)-11)+11) = 24 \\
27. & (11-(11-(11+13))) = 24 \\
28. & (((11+13)*11)/11) = 24 \\
29. & (((11+13)/11)*11) = 24 \\
30. & (11/(11/(11+13))) = 24 \\
31. & ((11+13)+(11-11)) = 24 \\
32. & ((11+13)*(11/11)) = 24 \\
33. & (11-((11-13)-11)) = 24 \\
34. & ((11-(11-13))+11) = 24 \\
35. & (((13-11)+11)+11) = 24 \\
36. & ((13-11)+(11+11)) = 24 \\
37. & (((11*13)/11)+11) = 24 \\
38. & ((11/(11/13))+11) = 24 \\
39. & (((13/11)*11)+11) = 24 \\
40. & ((11+(11-11))+13) = 24 \\
41. & (11+((11-11)+13)) = 24 \\
42. & (11+(13-(11-11))) = 24 \\
43. & ((11*(11/11))+13) = 24 \\
44. & (11+((11/11)*13)) = 24 \\
45. & (11+(13/(11/11))) = 24 \\
46. & ((11+(11+13))-11) = 24 \\
47. & ((11*(11+13))/11) = 24 \\
48. & (11+((11+13)-11)) = 24 \\
49. & (11*((11+13)/11)) = 24 \\
50. & (11+(11-(11-13))) = 24 \\
51. & ((11+(13-11))+11) = 24 \\
52. & (11+((13-11)+11)) = 24 \\
53. & (11+((11*13)/11)) = 24 \\
54. & (11+(11/(11/13))) = 24 \\
55. & ((11*(13/11))+11) = 24 \\
56. & (11+((13/11)*11)) = 24 \\
57. & (11+(11+(13-11))) = 24 \\
58. & (11+(11*(13/11))) = 24
\end{aligned}$$

1809. [11, 11, 12, 12]

$$\begin{aligned}
1. & (((11-11)+12)+12) = 24 \\
2. & (12-((11-11)-12)) = 24 \\
3. & ((12-(11-11))+12) = 24 \\
4. & ((11-11)+(12+12)) = 24 \\
5. & ((12+12)-(11-11)) = 24 \\
6. & (((11/11)*12)+12) = 24 \\
7. & ((12/(11/11))+12) = 24 \\
8. & ((11/11)*(12+12)) = 24 \\
9. & ((12+12)/(11/11)) = 24 \\
10. & (((11+12)-11)+12) = 24
\end{aligned}$$

$$\begin{aligned}
11. & (12-(11-(11+12))) = 24 \\
12. & (((11+12)+12)-11) = 24 \\
13. & ((11+12)-(11-12)) = 24 \\
14. & ((11+12)+(12-11)) = 24 \\
15. & (12-((11-12)-11)) = 24 \\
16. & ((11-(11-12))+12) = 24 \\
17. & (11-((11-12)-12)) = 24 \\
18. & ((12-(11-12))+11) = 24 \\
19. & (((12-11)+11)+12) = 24 \\
20. & (((12-11)+12)+11) = 24 \\
21. & ((12-11)+(11+12)) = 24 \\
22. & (((11*12)/11)+12) = 24 \\
23. & ((11/(11/12))+12) = 24 \\
24. & (((12/11)*11)+12) = 24 \\
25. & (11+(12-(11-12))) = 24 \\
26. & ((11+(12-11))+12) = 24 \\
27. & (11+((12-11)+12)) = 24 \\
28. & ((11*(12/11))+12) = 24 \\
29. & ((11+(12+12))-11) = 24 \\
30. & (11-(11-(12+12))) = 24 \\
31. & (((12+12)-11)+11) = 24 \\
32. & ((11*(12+12))/11) = 24 \\
33. & (11/(11/(12+12))) = 24 \\
34. & (((12+12)/11)*11) = 24 \\
35. & (11+((12+12)-11)) = 24 \\
36. & (11*((12+12)/11)) = 24
\end{aligned}$$

1810. [11, 11, 12, 13]

$$\begin{aligned}
1. & (12-((11/11)-13)) = 24 \\
2. & ((13-(11/11))+12) = 24 \\
3. & (13-((11/11)-12)) = 24 \\
4. & ((12-(11/11))+13) = 24 \\
5. & ((13+12)-(11/11)) = 24 \\
6. & (13-((11-12)*11)) = 24 \\
7. & (13-(11/(11-12))) = 24 \\
8. & (11-((11-12)*13)) = 24 \\
9. & (11-(13/(11-12))) = 24 \\
10. & (((12-11)*11)+13) = 24 \\
11. & ((11/(12-11))+13) = 24 \\
12. & (((12-11)*13)+11) = 24 \\
13. & ((13/(12-11))+11) = 24 \\
14. & ((12-11)*(11+13)) = 24 \\
15. & ((11+13)/(12-11)) = 24 \\
16. & ((11+13)*(12-11)) = 24 \\
17. & (13-(11*(11-12))) = 24 \\
18. & ((11*(12-11))+13) = 24 \\
19. & (11+((12-11)*13)) = 24 \\
20. & (11+(13/(12-11))) = 24 \\
21. & ((12+13)-(11/11)) = 24
\end{aligned}$$

1811. [11, 11, 13, 13]

无解

1812. [11, 12, 12, 12]

1. $((11+12)+(12/12)) = 24$
2. $(12-((11-12)*12)) = 24$
3. $(12-(12/(11-12))) = 24$
4. $((12-11)*12)+12 = 24$
5. $((12/(12-11))+12) = 24$
6. $((12-11)*(12+12)) = 24$
7. $((12+12)/(12-11)) = 24$
8. $((11+(12/12))+12) = 24$
9. $(11+((12/12)+12)) = 24$
10. $(11+(12+(12/12))) = 24$

1813. [11, 12, 12, 13]

1. $((11+12)+13)-12 = 24$
2. $((11+12)-12)+13 = 24$
3. $(13-(12-(11+12))) = 24$
4. $((11+12)+(13-12)) = 24$
5. $((11+12)-(12-13)) = 24$
6. $((11-12)+13)+12 = 24$
7. $((11-12)+12)+13 = 24$
8. $((11-12)+(13+12)) = 24$
9. $(12-((12-11)-13)) = 24$
10. $((13-(12-11))+12) = 24$
11. $(13-((12-11)-12)) = 24$
12. $((12-(12-11))+13) = 24$
13. $((13+12)-(12-11)) = 24$
14. $((11*12)/12)+13 = 24$
15. $((13*12)-(11*12)) = 24$
16. $((11/12)*12)+13 = 24$
17. $((12/(12/11))+13) = 24$
18. $((11-12)+(12+13)) = 24$
19. $((12+13)-(12-11)) = 24$
20. $((12*13)-(11*12)) = 24$
21. $((11+13)+12)-12 = 24$
22. $((11+13)-12)+12 = 24$
23. $(12-(12-(11+13))) = 24$
24. $((11+13)*12)/12 = 24$
25. $((11+13)/12)*12 = 24$
26. $(12/(12/(11+13))) = 24$
27. $((11+13)+(12-12)) = 24$
28. $((11+13)-(12-12)) = 24$
29. $((11+13)*(12/12)) = 24$
30. $((11+13)/(12/12)) = 24$
31. $((11+(12-12))+13) = 24$
32. $((11-(12-12))+13) = 24$

33. $(13-((12-12)-11)) = 24$
34. $(11+((12-12)+13)) = 24$
35. $(11-((12-12)-13)) = 24$
36. $(11+(13-(12-12))) = 24$
37. $((11*(12/12))+13) = 24$
38. $((11/(12/12))+13) = 24$
39. $(11+((12/12)*13)) = 24$
40. $(11+(13/(12/12))) = 24$
41. $((11+(12+13))-12) = 24$
42. $(11+((12+13)-12)) = 24$
43. $(11-(12-(12+13))) = 24$
44. $((11-(12-13))+12) = 24$
45. $(12-((12-13)-11)) = 24$
46. $(11-((12-13)-12)) = 24$
47. $(11+(12-(12-13))) = 24$
48. $((11+(13-12))+12) = 24$
49. $(11+((13-12)+12)) = 24$
50. $(11+((12*13)/12)) = 24$
51. $(11+(12/(12/13))) = 24$
52. $(11+((13/12)*12)) = 24$
53. $(11+(12+(13-12))) = 24$
54. $(11+(12*(13/12))) = 24$

1814. [11, 12, 13, 13]

1. $((11+12)+(13/13)) = 24$
2. $((11+13)*(13-12)) = 24$
3. $((11+13)/(13-12)) = 24$
4. $(13-(11*(12-13))) = 24$
5. $(13-(11/(12-13))) = 24$
6. $(11-((12-13)*13)) = 24$
7. $(11-(13/(12-13))) = 24$
8. $((11*(13-12))+13) = 24$
9. $((11/(13-12))+13) = 24$
10. $(11+((13-12)*13)) = 24$
11. $(11+(13/(13-12))) = 24$
12. $((11+(13/13))+12) = 24$
13. $(11+(12+(13/13))) = 24$

1815. [11, 13, 13, 13]

1. $((11+13)+13)-13 = 24$
2. $((11+13)-13)+13 = 24$
3. $(13-(13-(11+13))) = 24$
4. $((11+13)*13)/13 = 24$
5. $((11+13)/13)*13 = 24$
6. $(13/(13/(11+13))) = 24$
7. $((11+13)+(13-13)) = 24$
8. $((11+13)-(13-13)) = 24$
9. $((11+13)*(13/13)) = 24$
10. $((11+13)/(13/13)) = 24$

11. $((11-13)+13)+13 = 24$
12. $((11-13)+(13+13)) = 24$
13. $(13-((13-11)-13)) = 24$
14. $((13-(13-11))+13) = 24$
15. $((13+13)-(13-11)) = 24$
16. $((11*13)/13)+13 = 24$
17. $((11/13)*13)+13 = 24$
18. $((13/(13/11))+13) = 24$
19. $((11+(13+13))-13) = 24$
20. $(11+((13+13)-13)) = 24$
21. $(11-(13-(13+13))) = 24$
22. $((11+(13-13))+13) = 24$
23. $((11-(13-13))+13) = 24$
24. $(13-((13-13)-11)) = 24$
25. $(11+((13-13)+13)) = 24$
26. $(11-(13-13)-13) = 24$
27. $(11+(13-(13-13))) = 24$
28. $(11+((13*13)/13)) = 24$
29. $((11*(13/13))+13) = 24$
30. $((11/(13/13))+13) = 24$
31. $(11+((13/13)*13)) = 24$
32. $(11+(13/(13/13))) = 24$
33. $(11+(13+(13-13))) = 24$
34. $(11+(13*(13/13))) = 24$

1816. [12, 12, 12, 12]

1. $((12+12)+12)-12 = 24$
2. $((12+12)-12)+12 = 24$
3. $(12-(12-(12+12))) = 24$
4. $((12+12)*12)/12 = 24$
5. $((12+12)/12)*12 = 24$
6. $(12/(12/(12+12))) = 24$
7. $((12+12)+(12-12)) = 24$
8. $((12+12)-(12-12)) = 24$
9. $((12+12)*(12/12)) = 24$
10. $((12+12)/(12/12)) = 24$
11. $((12-12)+12)+12 = 24$
12. $(12-((12-12)-12)) = 24$
13. $((12-(12-12))+12) = 24$
14. $((12-12)+(12+12)) = 24$
15. $((12*12)/12)+12 = 24$
16. $((12/12)*12)+12 = 24$
17. $((12/(12/12))+12) = 24$
18. $((12/12)*(12+12)) = 24$
19. $((12+(12+12))-12) = 24$
20. $((12*(12+12))/12) = 24$
21. $(12+((12+12)-12)) = 24$
22. $(12*((12+12)/12)) = 24$
23. $((12+(12-12))+12) = 24$

24. $(12+((12-12)+12)) = 24$
25. $(12+(12-(12-12))) = 24$
26. $(12+((12*12)/12)) = 24$
27. $((12*(12/12))+12) = 24$
28. $(12+((12/12)*12)) = 24$
29. $(12+(12/(12/12))) = 24$
30. $(12+(12+(12-12))) = 24$
31. $(12+(12*(12/12))) = 24$

1817. [12, 12, 12, 13]

1. $((12+12)*(13-12)) = 24$
2. $((12+12)/(13-12)) = 24$
3. $(12-((12/12)-13)) = 24$
4. $((13-(12/12))+12) = 24$
5. $(13-((12/12)-12)) = 24$
6. $((12-(12/12))+13) = 24$
7. $((13+12)-(12/12)) = 24$
8. $((12+13)-(12/12)) = 24$
9. $(12-((12-13)*12)) = 24$
10. $(12-(12/(12-13))) = 24$
11. $((13-12)*12)+12 = 24$
12. $((12/(13-12))+12) = 24$
13. $((13-12)*(12+12)) = 24$
14. $(12+(13-(12/12))) = 24$
15. $(12-(12*(12-13))) = 24$
16. $((12*(13-12))+12) = 24$
17. $(12+((13-12)*12)) = 24$
18. $(12+(12/(13-12))) = 24$
19. $(12+(12*(13-12))) = 24$

1818. [12, 12, 13, 13]

1. $((12+12)+13)-13 = 24$
2. $((12+12)-13)+13 = 24$
3. $(13-(13-(12+12))) = 24$
4. $((12+12)*13)/13 = 24$
5. $((12+12)/13)*13 = 24$
6. $(13/(13/(12+12))) = 24$
7. $((12+12)+(13-13)) = 24$
8. $((12+12)-(13-13)) = 24$
9. $((12+12)*(13/13)) = 24$
10. $((12+12)/(13/13)) = 24$
11. $((12+13)+12)-13 = 24$
12. $((12+13)-13)+12 = 24$
13. $(12-(13-(12+13))) = 24$
14. $((12+13)+(12-13)) = 24$
15. $((12+13)-(13-12)) = 24$
16. $((12-13)+12)+13 = 24$
17. $((12-13)+13)+12 = 24$
18. $((12-13)+(12+13)) = 24$

19. $(13 - ((13 - 12) - 12)) = 24$
20. $((12 - (13 - 12)) + 13) = 24$
21. $(12 - ((13 - 12) - 13)) = 24$
22. $((13 - (13 - 12)) + 12) = 24$
23. $((12 * 13) / 13) + 12 = 24$
24. $((12 / 13) * 13) + 12 = 24$
25. $((13 / (13 / 12)) + 12) = 24$
26. $((12 + (12 + 13)) - 13) = 24$
27. $(12 + ((12 + 13) - 13)) = 24$
28. $((12 + (12 - 13)) + 13) = 24$
29. $(12 + ((12 - 13) + 13)) = 24$
30. $(12 + (13 - (13 - 12))) = 24$
31. $(12 + ((12 * 13) / 13)) = 24$
32. $(12 + ((12 / 13) * 13)) = 24$
33. $(12 + (13 / (13 / 12))) = 24$
34. $((12 + (13 - 13)) + 12) = 24$
35. $((12 - (13 - 13)) + 12) = 24$
36. $(12 - ((13 - 13) - 12)) = 24$
37. $(12 + (12 + (13 - 13))) = 24$
38. $(12 + (12 - (13 - 13))) = 24$
39. $((12 * (13 / 13)) + 12) = 24$
40. $((12 / (13 / 13)) + 12) = 24$
41. $(12 + (12 * (13 / 13))) = 24$
42. $(12 + (12 / (13 / 13))) = 24$

1819. [12, 13, 13, 13]

1. $((12 + 13) - (13 / 13)) = 24$
2. $((12 / 13) * (13 + 13)) = 24$
3. $((13 + 13) / (13 / 12)) = 24$
4. $((12 * (13 + 13)) / 13) = 24$
5. $(12 * ((13 + 13) / 13)) = 24$
6. $(12 / (13 / (13 + 13))) = 24$
7. $((12 - (13 / 13)) + 13) = 24$
8. $(13 - ((13 / 13) - 12)) = 24$
9. $(12 - ((13 / 13) - 13)) = 24$
10. $(12 + (13 - (13 / 13))) = 24$

1820. [13, 13, 13, 13]

无解