- 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 个解: 1. 8 * (1 + 1 + 1) = 24
- 9. [1, 1, 1, 9] 无解
- 10. [1, 1, 1, 10] 无解
- 11. [1, 1, 1, 11] 1 个解: 1. (1 + 1) * (1 + 11) = 24
- 12. [1, 1, 1, 12] 4 个解:
 - 1. 1 * 12 * (1 + 1) = 24
 - 2. 12 * (1 + 1) / 1 = 24
 - 3. 12 * (1 + 1 * 1) = 24
 - 4. 12 * (1 + 1 / 1) = 24
- 13. $[1, 1, 1, 13] 1 \land \text{M}$: 1. (1 + 1) * (13 - 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. $[1, 1, 2, 6] 2 \uparrow \mathbb{M}$: 1. 2 * 6 * (1 + 1) = 242. 6 * (1 + 1 + 2) = 24
- 19. [1, 1, 2, 7] 1 个解: 1. (1 + 2) * (1 + 7) = 24
- 20. [1, 1, 2, 8] 6 个解:

- 1. 8 * (2 + 1 * 1) = 24
- 2. 8 * (2 + 1 / 1) = 24
- 3. 1 * 8 * (1 + 2) = 24
- 4. 8 * (1 + 2) / 1 = 24
- 5. 8 * (1 + 1 * 2) = 24
- 0. 0 . (1 . 1 . 2) 2
- 6. 8 * (1 + 2 / 1) = 24
- 21. [1, 1, 2, 9] 1 个解:
 - 1. (1 + 2) * (9 1) = 24
- 22. [1, 1, 2, 10] 2 个解:
 - 1. (1 + 1) * (2 + 10) = 24
 - $2. \ 2 * (1 + 1 + 10) = 24$
- 23. [1, 1, 2, 11] 8个解:
 - 1. 2 + 11 * (1 + 1) = 24
 - $2. \ 2 * (11 + 1 * 1) = 24$
 - 3. 2 * (11 + 1 / 1) = 24
 - 4. 1 * 2 * (1 + 11) = 24
 - 5. 2 * (1 + 11) / 1 = 24
 - 6. 2 * (1 + 1 * 11) = 24
 - 7. 2 * (1 + 11 / 1) = 24
 - 8. 1 + 1 + 2 * 11 = 24
- 24. [1, 1, 2, 12] 7个解:
 - 1. 2 * 12 / (1 * 1) = 24
 - 2. 12 * (1 + 2 1) = 24
 - 3. 12 / (1 1 / 2) = 24
 - $4. \ 2 * (1 + 12 1) = 24$
 - 5. 1 + 2 * 12 1 = 24
 - 6. 1 * 2 * 12 / 1 = 24
 - 7. 1 * 1 * 2 * 12 = 24
- 25. [1, 1, 2, 13] 8个解:
 - 1. 2 * 13 (1 + 1) = 24
 - 2. 13 * (1 + 1) 2 = 24
 - $3. \ 2 * (13 1 * 1) = 24$
 - 4. 2 * (13 1 / 1) = 24
 - 5. 1 * 2 * (13 1) = 24
 - 6. 2 * (13 1) / 1 = 24
 - 7. 2 * (1 * 13 1) = 24
 - 8. 2 * (13 / 1 1) = 24
- 26. [1, 1, 3, 3] 无解
- 27. [1, 1, 3, 4] 1 个解:
 - 1. 3 * 4 * (1 + 1) = 24
- 28. [1, 1, 3, 5] 1 个解:

- 1. (1 + 3) * (1 + 5) = 24
- 29. [1, 1, 3, 6] 7 个解:
 - 1. 6 * (3 + 1 * 1) = 24
 - 2. 6 * (3 + 1 / 1) = 24
 - 3. 1 * 6 * (1 + 3) = 244. 6 * (1 + 3) / 1 = 24
 - 4. 0 * (1 + 3) / 1 = 24
 - 5. 6 * (1 + 1 * 3) = 246. 6 * (1 + 3 / 1) = 24
 - 7. 3 * (1 + 1 + 6) = 24
- 30. [1, 1, 3, 7] 7个解:
 - 1. 3 * (7 + 1 * 1) = 24
 - 2. 3 * (7 + 1 / 1) = 24
 - 3. (1 + 3) * (7 1) = 24
 - 4. 1 * 3 * (1 + 7) = 24
 - 5. 3 * (1 + 7) / 1 = 24
 - 6. 3 * (1 + 1 * 7) = 24
 - 7. 3 * (1 + 7 / 1) = 24
- 31. [1, 1, 3, 8] 6个解:
 - 1. 3 * 8 / (1 * 1) = 24
 - 2. 8 * (1 + 3 1) = 24
 - $3. \ 3 * (1 + 8 1) = 24$
 - 4. 1 + 3 * 8 1 = 24
 - 5. 1 * 3 * 8 / 1 = 24
 - **6.** 1 * 1 * 3 * 8 = 24
- 32. [1, 1, 3, 9] 7 个解:
 - 1. (1 + 1) * (3 + 9) = 24
 - 2. 3 * (9 1 * 1) = 24
 - 3. 3 * (9 1 / 1) = 24
 - 4. 1 * 3 * (9 1) = 24
 - 5. 3 ***** (9 1) / 1 = 24
 - 6. 3 ***** (1 ***** 9 1) = 24
 - 7. 3 * (9 / 1 1) = 24
- 33. [1, 1, 3, 10] 1 个解:
 - 1. 3 * (10 (1 + 1)) = 24
- 34. [1, 1, 3, 11] 1 个解:
 - 1. (3-1) * (1+11) = 24
- 35. [1, 1, 3, 12] 6 个解:
 - 1. 12 * (3 1 * 1) = 24
 - 2. 12 * (3 1 / 1) = 24
 - 3. 1 * 12 * (3 1) = 24
 - 4. 12 * (3 1) / 1 = 24
 - 5. 12 * (1 * 3 1) = 24

- 6. 12 * (3 / 1 1) = 24
- 36. [1, 1, 3, 13] 1 个解: 1. (3 - 1) * (13 - 1) = 24
- 37. [1, 1, 4, 4] 1 个解: 1. 4 * (1 + 1 + 4) = 24
- 38. [1, 1, 4, 5] 7个解:
 - 1. 4 * (5 + 1 * 1) = 24
 - $2. \ 4 * (5 + 1 / 1) = 24$
 - 3. 5 * (1 + 4) 1 = 24
 - 4. 1 * 4 * (1 + 5) = 24
 - 5. 4 * (1 + 5) / 1 = 24
 - 6. 4 * (1 + 1 * 5) = 24
 - 7. 4 * (1 + 5 / 1) = 24
- 39. [1, 1, 4, 6] 6 个解:
 - 1. 4 * 6 / (1 * 1) = 24
 - 2. 6 * (1 + 4 1) = 24
 - 3. 4 * (1 + 6 1) = 24
 - 4. 1 + 4 * 6 1 = 24
 - 5. 1 * 4 * 6 / 1 = 24
 - 6. 1 ***** 1 ***** 4 ***** 6 = 24
- 40. [1, 1, 4, 7] 7个解:
 - 1. 4 * (7 1 * 1) = 24
 - $2. \ 4 * (7 1 / 1) = 24$
 - 3. (4-1) * (1+7) = 24
 - 4. 1 * 4 * (7 1) = 24
 - 5. 4 * (7 1) / 1 = 24
 - 6. 4 * (1 * 7 1) = 24
 - 7. 4 * (7 / 1 1) = 24
- 41. [1, 1, 4, 8] 8个解:
 - 1. (1 + 1) * (4 + 8) = 24
 - $2. \ 4 * (8 (1 + 1)) = 24$
 - 3. 8 * (4 1 * 1) = 24
 - 4. 8 * (4 1 / 1) = 24
 - 5. 1 * 8 * (4 1) = 24
 - 6. 8 * (4 1) / 1 = 24
 - 7. 8 * (1 * 4 1) = 24
 - 8. 8 * (4 / 1 1) = 24
- 42. [1, 1, 4, 9] 1 个解:
 - 1. (4-1) * (9-1) = 24
- 43. [1, 1, 4, 10] 1 个解:
 - 1. 4 + 10 * (1 + 1) = 24

- 44. [1, 1, 4, 11] 无解
- 45. [1, 1, 4, 12] 2 个解:
 - 1. 4 * 12 / (1 + 1) = 24
 - $2. \ 12 * (4 (1 + 1)) = 24$
- 46. [1, 1, 4, 13] 无解
- 47. [1, 1, 5, 5] 8个解:
 - 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 * 5 1) / 1 = 24
 - 7. 1 * 5 * 5 1 = 24
 - 8. 5 * 5 / 1 1 = 24
- 48. [1, 1, 5, 6] 7个解:
 - 1. 6 * (5 1 * 1) = 24
 - 2. 6 * (5 1 / 1) = 24
 - 3. 1 * 6 * (5 1) = 24
 - 4. 6 * (5 1) / 1 = 24
 - 5. 6 * (1 * 5 1) = 24
 - 6. 6 * (5 / 1 1) = 24
 - 7. 5 * (6 1) 1 = 24
- 49. [1, 1, 5, 7] 2 个解:
 - 1. (1 + 1) * (5 + 7) = 24
 - $2. \quad (5-1) * (7-1) = 24$
- 50. [1, 1, 5, 8] 1 个解:
 - 1. 8 * (5 (1 + 1)) = 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] 2 个解:
 - 1. (1 + 1) * (6 + 6) = 24
 - 2. 6 * (6 (1 + 1)) = 24

- 57. [1, 1, 6, 7] 无解
- 58. [1, 1, 6, 8] 1 个解: 1. 6 * 8 / (1 + 1) = 24
- 59. [1, 1, 6, 9] 1 个解:
 - 1. 6 + 9 * (1 + 1) = 24
- 60. [1, 1, 6, 10] 无解
- 61. [1, 1, 6, 11] 无解
- 62. [1, 1, 6, 12] 1 个解:
 - 1. 12 + 6 * (1 + 1) = 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 个解:
 - 1. 10 + 7 * (1 + 1) = 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 个解:
 - 1. 8 + 8 * (1 + 1) = 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 个解: 1. 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 个解: 1. 1 + 1 + 10 + 12 = 24
- 85. [1, 1, 10, 13] 14 个解:
 - 1. 10 + 13 + 1 * 1 = 24
 - $2. \ 10 + 13 + 1 / 1 = 24$
 - 3. 13 + 1 * (1 + 10) = 24
 - 4. 13 + (1 + 10) / 1 = 24
 - 5. 1 + 13 + 1 * 10 = 24
 - 6. 1 + 13 + 10 / 1 = 24
 - 7. 10 + 1 * (1 + 13) = 24
 - 8. 10 + (1 + 13) / 1 = 24
 - 9. 1 + 10 + 1 * 13 = 24
 - 10. 1 + 10 + 13 / 1 = 24
 - 11. 1 * (1 + 10 + 13) = 24
 - 12. (1 + 10 + 13) / 1 = 24
 - 13. 1 + 1 * (10 + 13) = 24
 - 14. 1 + (10 + 13) / 1 = 24
- 86. [1, 1, 11, 11] 1 个解: 1. 1 + 1 + 11 + 11 = 24
- 87. [1, 1, 11, 12] 14 个解:
 - 1. 11 + 12 + 1 * 1 = 24
 - $2. \ 11 + 12 + 1 / 1 = 24$
 - 3. 12 + 1 * (1 + 11) = 24
 - 4. 12 + (1 + 11) / 1 = 24
 - 5. 1 + 12 + 1 * 11 = 24
 - 6. 1 + 12 + 11 / 1 = 24
 - 7. 11 + 1 * (1 + 12) = 24
 - 8. 11 + (1 + 12) / 1 = 24
 - 9. 1 + 11 + 1 * 12 = 24
 - 10. 1 + 11 + 12 / 1 = 24
 - 11. 1 * (1 + 11 + 12) = 24
 - 12. (1 + 11 + 12) / 1 = 24
 - 13. 1 + 1 * (11 + 12) = 24
 - 14. 1 + (11 + 12) / 1 = 24

- 88. [1, 1, 11, 13] 22 个解:
 - 1. (11 + 13) / (1 * 1) = 24
 - 2. 13 + 11 / (1 * 1) = 24
 - 3. 11 + 13 / (1 * 1) = 24
 - 4. 1 * 11 + 1 * 13 = 24
 - 5. 1 ***** 11 + 13 / 1 = 24
 - 6. 13 + 1 ***** 11 / 1 = 24
 - 7. 1 * (13 + 1 * 11) = 24
 - 8. (13 + 1 * 11) / 1 = 24
 - 9. 11 / 1 + 1 * 13 = 24
 - 10. 11 / 1 + 13 / 1 = 24
 - 11. 1 * (13 + 11 / 1) = 24
 - 12. (13 + 11 / 1) / 1 = 24
 - 13. 13 + 1 * 1 * 11 = 24
 - 14. 11 + 1 * 13 / 1 = 24
 - 15. 1 * (11 + 1 * 13) = 24
 - 16. (11 + 1 * 13) / 1 = 24
 - 17. 1 * (11 + 13 / 1) = 24
 - 18. (11 + 13 / 1) / 1 = 24
 - 19. 11 + 1 ***** 1 ***** 13 = 24
 - $20. \quad 1 + 11 + 13 1 = 24$
 - 21. 1 * (11 + 13) / 1 = 24
 - 22. 1 * 1 * (11 + 13) = 24
- 89. [1, 1, 12, 12] 15 个解:
 - 1. (12 + 12) / (1 * 1) = 24
 - 2. 12 + 12 / (1 * 1) = 24
 - 3. 1 * 12 + 1 * 12 = 24
 - 4. 1 * 12 + 12 / 1 = 24
 - 5. 12 + 1 * 12 / 1 = 24
 - 6. 1 ***** (12 + 1 ***** 12) = 24
 - 7. (12 + 1 ***** 12) / 1 = 24
 - 8. 12 / 1 + 1 * 12 = 24
 - 9. 12 / 1 + 12 / 1 = 24
 - 10. 1 * (12 + 12 / 1) = 24
 - 11. (12 + 12 / 1) / 1 = 24
 - 12. 12 + 1 * 1 * 12 = 24
 - 13. 1 + 12 + 12 1 = 24
 - 10. 1 12 12 1 21
 - 14. 1 * (12 + 12) / 1 = 24
 - 15. 1 * 1 * (12 + 12) = 24
- 90. [1, 1, 12, 13] 14 个解:
 - 1. 12 + 13 1 * 1 = 24
 - 2. 12 + 13 1 / 1 = 24
 - 3. 13 + 1 * (12 1) = 24
 - 4. 13 + (12 1) / 1 = 24
 - 5. 13 + 1 * 12 1 = 24
 - 6. 13 + 12 / 1 1 = 24
 - 7. 12 + 1 * (13 1) = 24

- 8. 12 + (13 1) / 1 = 24
- 9. 12 + 1 * 13 1 = 24
- 10. 12 + 13 / 1 1 = 24
- 11. 1 * (12 + 13 1) = 24
- 12. (12 + 13 1) / 1 = 24
- 13. 1 * (12 + 13) 1 = 24
- 14. (12 + 13) / 1 1 = 24
- 91. [1, 1, 13, 13] 1 个解: 1. 13 + 13 - (1 + 1) = 24
- 92. [1, 2, 2, 2] 无解
- 93. [1, 2, 2, 3] 无解
- 94. [1, 2, 2, 4] 1 个解:
 - 1. 2 * 4 * (1 + 2) = 24
- 95. [1, 2, 2, 5] 2 个解:
 - 1. (2 + 2) * (1 + 5) = 24
 - $2. \ 2 * 2 * (1 + 5) = 24$
- 96. [1, 2, 2, 6] 7个解:
 - 1. (1 + 2) * (2 + 6) = 24
 - 2. 6 * (2 + 1 * 2) = 24
 - 3. 6 * (2 + 2 / 1) = 24
 - 4. 1 * 6 * (2 + 2) = 24
 - 5. 6 * (2 + 2) / 1 = 24
 - 6. 1 * 2 * 2 * 6 = 24 7. 2 * 2 * 6 / 1 = 24
- 97. [1, 2, 2, 7] 2 个解:
 - 1. (2 + 2) * (7 1) = 24
 - 2. 2 * 2 * (7 1) = 24
- 98. [1, 2, 2, 8] 2 个解:
 - 1. 8 * (2 + 2 1) = 24
 - 2. 8 * (2 * 2 1) = 24
- 99. [1, 2, 2, 9] 1 个解:
 - 1. 2 * (1 + 2 + 9) = 24
- 100. [1, 2, 2, 10] 8个解:
 - 1. (1 + 2) * (10 2) = 24
 - $2. \ 2 * (10 + 1 * 2) = 24$
 - $3. \ 2 * (10 + 2 / 1) = 24$
 - $4. \ 2 + 2 * (1 + 10) = 24$
 - $5. \ 2 * (2 + 1 * 10) = 24$
 - 6. 2 * (2 + 10 / 1) = 24

- 7. 1 * 2 * (2 + 10) = 24
- 8. 2 * (2 + 10) / 1 = 24
- 101. [1, 2, 2, 11] 7个解:
 - 1. 1 * 2 + 2 * 11 = 24
 - 2. 2 / 1 + 2 * 11 = 24
 - $3. \ 2 * (2 + 11 1) = 24$
 - 4. 2 + 1 * 2 * 11 = 24
 - 5. 2 + 2 ***** 11 / 1 = 24
 - 6. 1 * (2 + 2 * 11) = 24
 - 7. (2 + 2 * 11) / 1 = 24
- 102. [1, 2, 2, 12] 5 个解:
 - 1. 2 * 12 / (2 1) = 24
 - $2. \ 2 * 12 * (2 1) = 24$
 - 3. 12 * (1 + 2 / 2) = 24
 - 4. 2 * (1 + 12) 2 = 24
 - 5. 2 + 2 * (12 1) = 24
- 103. [1, 2, 2, 13] 7个解:
 - 1. 2 ***** 13 1 ***** 2 = 24
 - 2. 2 * 13 2 / 1 = 24
 - 3. 2 * (1 + 13 2) = 24
 - 4. 1 * 2 * 13 2 = 24
 - 5. 2 ***** 13 / 1 2 = 24
 - 6. 1 * (2 * 13 2) = 24
 - 7. (2 * 13 2) / 1 = 24
- 104. [1, 2, 3, 3] 1 个解:
 - 1. 2 * 3 * (1 + 3) = 24
- 105. [1, 2, 3, 4] 4个解:
 - 1. (1 + 3) * (2 + 4) = 24
 - $2. \ 4 * (1 + 2 + 3) = 24$
 - 3. 1 * 2 * 3 * 4 = 24
 - 4. 2 * 3 * 4 / 1 = 24
- 106. [1, 2, 3, 5] 4个解:
 - 1. (1 + 2) * (3 + 5) = 24
 - 2. 5 * (2 + 3) 1 = 24
 - 3. 2 * 3 * (5 1) = 24
 - 4. 3 * (1 + 2 + 5) = 24
- 107. [1, 2, 3, 6] 8 个解:
 - 1. 3 * (6 + 1 * 2) = 24
 - $2. \ 3 * (6 + 2 / 1) = 24$
 - 3. 2 * 6 * (3 1) = 24
 - 4. 6 * (2 + 3 1) = 24
 - 5. 3 * (2 + 1 * 6) = 24

- 6. 3 * (2 + 6 / 1) = 24
- 7. 1 * 3 * (2 + 6) = 24
- 8. 3 * (2 + 6) / 1 = 24
- 108. [1, 2, 3, 7] 3 个解:
 - 1. 3 + 7 * (1 + 2) = 24
 - $2. \ 3 * (2 + 7 1) = 24$
 - 3. 1 + 2 + 3 * 7 = 24
- 109. [1, 2, 3, 8] 5 个解:
 - 1. 3 * 8 / (2 1) = 24
 - $2. \ 3 * 8 * (2 1) = 24$
 - 3. (1 + 3) * (8 2) = 24
 - 4. 8 / (1 2 / 3) = 24
 - 5. 2 * (1 + 3 + 8) = 24
- 110. [1, 2, 3, 9] 9 个解:
 - 1. 3 * 9 (1 + 2) = 24
 - 2. 9 * (1 + 2) 3 = 24
 - $3. \ 2 * (9 + 1 * 3) = 24$
 - 4. 2 * (9 + 3 / 1) = 24
 - 5. 3 * (1 + 9 2) = 24
 - 6. 2 * (3 + 1 * 9) = 24
 - 7. 2 * (3 + 9 / 1) = 24
 - 8. 1 * 2 * (3 + 9) = 24
 - 9. 2 * (3 + 9) / 1 = 24
- 111. [1, 2, 3, 10] 9个解:
 - 1. 3 * (10 1 * 2) = 24
 - $2. \ 3 * (10 2 / 1) = 24$
 - 3. (3 1) * (2 + 10) = 24
 - 4. 3 * (1 * 10 2) = 24
 - 5. 3 * (10 / 1 2) = 24
 - 6. 1 * 3 * (10 2) = 24
 - 7. 3 * (10 2) / 1 = 24
 - 8. 1 + 3 + 2 * 10 = 24
 - 9. 2 * (3 + 10 1) = 24
- 112. [1, 2, 3, 11] 4 个解:
 - 1. (1 + 2) * (11 3) = 24
 - 2. 3 * (11 (1 + 2)) = 24
 - $3. \ 2 + 11 * (3 1) = 24$
 - 4. 3 + 2 * 11 1 = 24
- 113. [1, 2, 3, 12] 3 个解:
 - 1. 12 * (1 + 3 2) = 24
 - 2. 12 * (1 + 3) / 2 = 24
 - 3. 12 / (3 / 2 1) = 24

- 114. [1, 2, 3, 13] 2 个解:
 - 1. 13 * (3 1) 2 = 24
 - 2. 1 + 2 * 13 3 = 24
- 115. [1, 2, 4, 4] 8 个解:
 - 1. (1 + 2) * (4 + 4) = 24
 - $2. \ 4 * (4 + 1 * 2) = 24$
 - 3. 4 * (4 + 2 / 1) = 24
 - 4. 2 * 4 * (4 1) = 24
 - $5. \ 4 * (2 + 1 * 4) = 24$
 - 6. 4 * (2 + 4 / 1) = 24
 - 7. 1 * 4 * (2 + 4) = 24
 - 8. 4 * (2 + 4) / 1 = 24
- 116. [1, 2, 4, 5] 2 个解:
 - 1. (2 + 4) * (5 1) = 24
 - $2. \ 4 * (2 + 5 1) = 24$
- 117. [1, 2, 4, 6] 3 个解:
 - 1. 4 * 6 / (2 1) = 24
 - $2. \ 4 * 6 * (2 1) = 24$
 - 3. (4-1) * (2+6) = 24
- 118. [1, 2, 4, 7] 2 个解:
 - 1. 4 * (1 + 7 2) = 24
 - $2. \ 2 * (1 + 4 + 7) = 24$
- 119. [1, 2, 4, 8] 14 个解:
 - 1. 4 * (8 1 * 2) = 24
 - $2. \ 4 * (8 2 / 1) = 24$
 - 3. 8 * (1 + 4 2) = 24
 - 4. 2 * (8 + 1 * 4) = 24
 - 5. 2 ***** (8 + 4 / 1) = 24
 - 6. 8 * (1 + 4 / 2) = 24
 - 7. 4 * (1 * 8 2) = 24
 - 8. 2 * (4 + 1 * 8) = 24
 - 9. 4 * (8 / 1 2) = 24
 - 10. 2 * (4 + 8 / 1) = 24
 - 11. 1 * 4 * (8 2) = 24
 - 12. 4 * (8 2) / 1 = 2413. 1 * 2 * (4 + 8) = 24
 - 14. 2 * (4 + 8) / 1 = 24
- 120. [1, 2, 4, 9] 3 个解:
 - 1. 4 * (9 (1 + 2)) = 24
 - $2. \ 4 + 2 * (1 + 9) = 24$
 - $3. \ 2 * (4 + 9 1) = 24$
- 121. [1, 2, 4, 10] 8 个解:

- 1. (4-1) * (10-2) = 24
- 2. 1 * 4 + 2 * 10 = 24
- 3. 4 / 1 + 2 * 10 = 24
- 4. 4 + 1 * 2 * 10 = 24
- 5. 4 + 2 * 10 / 1 = 24
- 6. 1 * (4 + 2 * 10) = 24
- 7. (4 + 2 * 10) / 1 = 24
- 8. 4 * (1 + 10 / 2) = 24
- 122. [1, 2, 4, 11] 3 个解:
 - 1. (4-2) * (1+11) = 24
 - 2. 4 * (1 + 11) / 2 = 24
 - $3. \ 4 + 2 * (11 1) = 24$
- 123. [1, 2, 4, 12] 11 个解:
 - 1. (1 + 2) * (12 4) = 24
 - 2. 12 + 4 * (1 + 2) = 24
 - 3. 4 * 12 / (1 * 2) = 24
 - 4. 12 * (4 1 * 2) = 24
 - 5. 12 * (4 2 / 1) = 24
 - 6. 12 * (1 * 4 2) = 24
 - 7. 12 * (4 / 1 2) = 24
 - 8. 1 * 12 * (4 2) = 24
 - 9. 12 * (4 2) / 1 = 24
 - 10. 12 / (1 2 / 4) = 24
 - 11. 1 * 4 * 12 / 2 = 24
- 124. [1, 2, 4, 13] 3 个解:
 - 1. (4-2) * (13-1) = 24
 - $2. \ 2 * (1 + 13) 4 = 24$
 - 3. 4 * (13 1) / 2 = 24
- 125. [1, 2, 5, 5] 1 个解:
 - 1. 1 + 5 * 5 2 = 24
- 126. [1, 2, 5, 6] 3 个解:
 - 1. (1 + 5) * (6 2) = 24
 - 2. 6 * (1 + 5 2) = 24
 - $3. \ 2 * (1 + 5 + 6) = 24$
- 127. [1, 2, 5, 7] 8 个解:
 - 1. 2 * (7 + 1 * 5) = 24
 - $2. \ 2 * (7 + 5 / 1) = 24$
 - 3. (5-2) * (1+7) = 24
 - 4. 2 * (5 + 1 * 7) = 24
 - 5. 2 * (5 + 7 / 1) = 24
 - 6. 5 * (7 2) 1 = 24
 - 7. 1 * 2 * (5 + 7) = 24

 - 8. 2 * (5 + 7) / 1 = 24

- 128. [1, 2, 5, 8] 9 个解:
 - 1. 8 * (5 1 * 2) = 24
 - 2. 8 * (5 2 / 1) = 24
 - 3. 8 * (1 + 5) / 2 = 24
 - 4. (5-1) * (8-2) = 24
 - 5. 8 * (1 * 5 2) = 24
 - 6. 8 * (5 / 1 2) = 24
 - 7. 1 * 8 * (5 2) = 24
 - 8. 8 * (5 2) / 1 = 24
 - 9. 2 * (5 + 8 1) = 24
- 129. [1, 2, 5, 9] 3 个解:
 - 1. 9 + 5 * (1 + 2) = 24
 - 2. (5 2) * (9 1) = 24
 - 3. 1 + 5 + 2 * 9 = 24
- 130. [1, 2, 5, 10] 2 个解:
 - 1. 5 + 2 * 10 1 = 24
 - 2. 5 * 10 / 2 1 = 24
- 131. [1, 2, 5, 11] 无解
- 132. [1, 2, 5, 12] 3 个解:
 - 1. 12 * (5 (1 + 2)) = 24
 - 2. 12 + 2 * (1 + 5) = 24
 - 3. 12 * (5 1) / 2 = 24
- 133. [1, 2, 5, 13] 2 个解:
 - 1. (1 + 2) * (13 5) = 24
 - 2. 1 + 13 + 2 * 5 = 24
- 134. [1, 2, 6, 6] 12 个解:
 - 1. 6 + 6 * (1 + 2) = 24
 - 2.6 * (6 1 * 2) = 24
 - 3. 6 * (6 2 / 1) = 24
 - 4. 6 * (1 * 6 2) = 24
 - 5. 2 * (6 + 1 * 6) = 24
 - 6. 6 * (6 / 1 2) = 24
 - 7. 2 * (6 + 6 / 1) = 24
 - 8. 1 * 6 * (6 2) = 24
 - 9. 6 * (6 2) / 1 = 24
 - 10. 6 * (1 + 6 / 2) = 24
 - 11. 1 * 2 * (6 + 6) = 24
 - 12. 2 * (6 + 6) / 1 = 24
- 135. [1, 2, 6, 7] 4 个解:
 - 1. 6 * (7 (1 + 2)) = 24
 - 2. (6-2) * (7-1) = 24

- 3. 6 * (1 + 7) / 2 = 24
- $4. \ 2 * (6 + 7 1) = 24$
- 136. [1, 2, 6, 8] 4 个解:
 - 1. 8 * (6 (1 + 2)) = 24
 - 2. 6 * 8 / (1 * 2) = 24
 - 3. 6 + 2 * (1 + 8) = 24
 - 4. 1 * 6 * 8 / 2 = 24
- 137. [1, 2, 6, 9] 7个解:
 - 1. 1 * 6 + 2 * 9 = 24
 - 2.6 / 1 + 2 * 9 = 24
 - 3. 6 * (9 1) / 2 = 24
 - 4. 6 + 1 * 2 * 9 = 24
 - 5. 6 + 2 * 9 / 1 = 24
 - 6. 1 * (6 + 2 * 9) = 24
 - 7. (6 + 2 * 9) / 1 = 24
- 138. [1, 2, 6, 10] 4 个解:
 - 1. 10 * (1 + 2) 6 = 24
 - 2. 10 + 2 * (1 + 6) = 24
 - 3. 6 + 2 * (10 1) = 244. 6 * (10 / 2 - 1) = 24
- 139. [1, 2, 6, 11] 1 个解:
 - 1. 1 + 11 + 2 * 6 = 24
- 140. [1, 2, 6, 12] 8 个解:
 - 1. 6 * 12 / (1 + 2) = 24
 - $2. \ 2 * 6 + 1 * 12 = 24$
 - 3. 2 * 6 + 12 / 1 = 24
 - 4. 12 + 1 * 2 * 6 = 24
 - 5. 12 + 2 * 6 / 1 = 24
 - 6. 1 * (12 + 2 * 6) = 24
 - 7. (12 + 2 * 6) / 1 = 248. 12 * (6 / 2 - 1) = 24
- 141. [1, 2, 6, 13] 1 个解:
 - 1. 13 + 2 * 6 1 = 24
- 142. [1, 2, 7, 7] 1 个解:
 - 1. (7 * 7 1) / 2 = 24
- 143. [1, 2, 7, 8] 3 个解:
 - 1. 8 + 2 * (1 + 7) = 24
 - 2. 8 * (7 1) / 2 = 24
 - 3. 1 + 7 + 2 * 8 = 24
- 144. [1, 2, 7, 9] 2 个解:

- 1. 1 + 9 + 2 * 7 = 24
- 2. 7 + 2 * 9 1 = 24
- 145. [1, 2, 7, 10] 6 个解:
 - 1. 2 * 7 + 1 * 10 = 24
 - 2. 2 * 7 + 10 / 1 = 24
 - 3. 10 + 1 * 2 * 7 = 24
 - 4. 10 + 2 * 7 / 1 = 24
 - 5. 1 * (10 + 2 * 7) = 24
 - 6. (10 + 2 * 7) / 1 = 24
- 146. [1, 2, 7, 11] 1 个解:
 - 1. 11 + 2 * 7 1 = 24
- 147. [1, 2, 7, 12] 1 个解:
- 1. 12 + 2 * (7 1) = 24
- 148. [1, 2, 7, 13] 无解
- 149. [1, 2, 8, 8] 9个解:
 - 1. 1 ***** 8 + 2 ***** 8 = 24
 - 2. 8 / 1 + 2 * 8 = 24
 - 3. 2 * 8 + 1 * 8 = 24
 - 4. 2 * 8 + 8 / 1 = 24
 - 5. 8 + 1 ***** 2 ***** 8 = 24
 - 6. 8 + 2 * 8 / 1 = 24
 - 7. 1 * (8 + 2 * 8) = 24
 - 8. (8 + 2 * 8) / 1 = 24
 - 9. 8 * (8 / 2 1) = 24
- 150. [1, 2, 8, 9] 3 个解:
 - 1. 8 * 9 / (1 + 2) = 24
 - 2. 9 + 2 * 8 1 = 24
 - 3. 8 + 2 * (9 1) = 24
- 151. [1, 2, 8, 10] 1 个解:
 - 1. 10 + 2 * (8 1) = 24
- 152. [1, 2, 8, 11] 无解
- 153. [1, 2, 8, 12] 无解
- 154. [1, 2, 8, 13] 1 个解:
 - 1. 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 个解:
 - 1. 11 * (1 + 2) 9 = 24
- 158. [1, 2, 9, 12] 1 个解:
- 1. 1 + 2 + 9 + 12 = 24
- 159. [1, 2, 9, 13] 14 个解:
 - 1. 9 + 13 + 1 * 2 = 24
 - 2. 9 + 13 + 2 / 1 = 24
 - 3. 2 + 13 + 1 * 9 = 24
 - 4. 2 + 13 + 9 / 1 = 24
 - 5. 13 + 1 * (2 + 9) = 24
 - 6. 13 + (2 + 9) / 1 = 24
 - 7. 2 + 9 + 1 * 13 = 24
 - 8. 2 + 9 + 13 / 1 = 24
 - 9. 9 + 1 * (2 + 13) = 24
 - 10. 9 + (2 + 13) / 1 = 24
 - 11. 2 + 1 * (9 + 13) = 24
 - 12. 2 + (9 + 13) / 1 = 24
 - 13. 1 * (2 + 9 + 13) = 24
 - 14. (2 + 9 + 13) / 1 = 24
- 160. [1, 2, 10, 10] 无解
- 161. [1, 2, 10, 11] 1 个解:
 - 1. 1 + 2 + 10 + 11 = 24
- 162. [1, 2, 10, 12] 14 个解:
 - 1. 10 + 12 + 1 * 2 = 24
 - $2. \ 10 + 12 + 2 / 1 = 24$
 - 3. 2 + 12 + 1 ***** 10 = 24
 - 4. 2 + 12 + 10 / 1 = 24
 - 5. 12 + 1 * (2 + 10) = 24
 - 6. 12 + (2 + 10) / 1 = 24
 - 7. 2 + 10 + 1 * 12 = 24
 - 8. 2 + 10 + 12 / 1 = 24
 - 9. 10 + 1 * (2 + 12) = 24
 - 10. 10 + (2 + 12) / 1 = 24
 - 11. 2 + 1 * (10 + 12) = 24
 - 12. 2 + (10 + 12) / 1 = 24
 - 13. 1 * (2 + 10 + 12) = 24
 - 14. (2 + 10 + 12) / 1 = 24
- 163. [1, 2, 10, 13] 1 个解:
 - $1. \ 2 + 10 + 13 1 = 24$
- 164. [1, 2, 11, 11] 10 个解:
 - 1. 11 + 11 + 1 * 2 = 24
 - $2. \ 11 + 11 + 2 / 1 = 24$

- 3. 2 + 11 + 1 ***** 11 = 24
- $4. \ \ 2 \ + \ 11 \ + \ 11 \ / \ 1 \ = \ 24$
- 5. 11 + 1 * (2 + 11) = 24
- 6. 11 + (2 + 11) / 1 = 24
- 7. 2 + 1 * (11 + 11) = 24
- 8. 2 + (11 + 11) / 1 = 24
- 9. 1 * (2 + 11 + 11) = 24
- 10. (2 + 11 + 11) / 1 = 24
- 165. [1, 2, 11, 12] 2 个解:
 - $1. \ 2 + 11 + 12 1 = 24$
 - $2. \ 2 \ / \ (1 11 \ / \ 12) = 24$
- 166. [1, 2, 11, 13] 6 个解:
 - 1. (2-1) * (11+13) = 24
 - 2. (11 + 13) / (2 1) = 24
 - 3. 13 + 11 * (2 1) = 24
 - 4. 13 + 11 / (2 1) = 24
 - 5. 11 + 13 * (2 1) = 24
 - 6. 11 + 13 / (2 1) = 24
- 167. [1, 2, 12, 12] 5 个解:
 - 1. 12 * (1 + 2) 12 = 24
 - 2. (2 1) * (12 + 12) = 24
 - 3. (12 + 12) / (2 1) = 24
 - 4. 12 + 12 * (2 1) = 24
 - 5. 12 + 12 / (2 1) = 24
- 168. [1, 2, 12, 13] 2 个解:
 - 1. 1 + 12 + 13 2 = 24
 - $2. \ 2 \ / \ (13 \ / \ 12 \ \ 1) = 24$
- 169. [1, 2, 13, 13] 10 个解:
 - 1. 13 + 13 1 * 2 = 24
 - 2. 13 + 13 2 / 1 = 24
 - 3. 13 + 1 * 13 2 = 24
 - 4. 13 + 13 / 1 2 = 24
 - 5. 13 + 1 * (13 2) = 24
 - 6. 13 + (13 2) / 1 = 247. 1 * (13 + 13) - 2 = 24
 - 8. (13 + 13) / 1 2 = 24
 - 9. 1 * (13 + 13 2) = 24
 - 10. (13 + 13 2) / 1 = 24
- 170. [1, 3, 3, 3] 3 个解:
 - 1. (1 + 3) * (3 + 3) = 24
 - 2. (3 + 3) * (1 + 3) = 24
 - 3. 3 * (3 * 3 1) = 24

- 171. [1, 3, 3, 4] 6个解:
 - 1. 3 * 4 * (3 1) = 24
 - $2. \ 4 * (3 + 1 * 3) = 24$
 - 3. 4 * (3 + 3 / 1) = 24
 - 4. 1 * 4 * (3 + 3) = 24
 - 5. 4 * (3 + 3) / 1 = 24
 - 6. 3 * (1 + 3 + 4) = 24
- 172. [1, 3, 3, 5] 7个解:
 - 1. 3 * (5 + 1 * 3) = 24
 - $2. \ 3 * (5 + 3 / 1) = 24$
 - 3. (3 + 3) * (5 1) = 24
 - 4. 3 * (3 + 1 * 5) = 24
 - 5. 3 * (3 + 5 / 1) = 24
 - 6. 1 * 3 * (3 + 5) = 24
 - 7. 3 * (3 + 5) / 1 = 24
- 173. [1, 3, 3, 6] 2 个解:
 - 1. 3 + 3 * (1 + 6) = 24
 - $2. \ 3 * (3 + 6 1) = 24$
- 174. [1, 3, 3, 7] 6 个解:
 - 1. 1 * 3 + 3 * 7 = 24
 - $2. \ 3 \ / \ 1 \ + \ 3 \ * \ 7 \ = \ 24$
 - 3. 3 + 1 * 3 * 7 = 24
 - 4. 3 + 3 * 7 / 1 = 24
 - 5. 1 * (3 + 3 * 7) = 24
 - 6. (3 + 3 * 7) / 1 = 24
- 175. [1, 3, 3, 8] 2 个解:
 - 1. 3 * (1 + 8) 3 = 24
 - $2. \ 3 + 3 * (8 1) = 24$
- 176. [1, 3, 3, 9] 9个解:
 - 1. (1 + 3) * (9 3) = 24
 - 2. (3 1) * (3 + 9) = 24
 - 3. 3 ***** 9 1 ***** 3 = 24
 - 4. 9 * (3 1 / 3) = 24
 - 5. 3 * 9 3 / 1 = 24
 - **6.** 1 * 3 * 9 3 = 24
 - 7. 3 * 9 / 1 3 = 24
 - 8. 1 * (3 * 9 3) = 24
 - 9. (3 * 9 3) / 1 = 24
- 177. [1, 3, 3, 10] 2 个解:
 - 1. 3 * (1 + 10 3) = 24
 - $2. \ 3 * (10 1) 3 = 24$
- 178. [1, 3, 3, 11] 6 个解:

- 1. 3 * (11 1 * 3) = 24
- 2. 3 * (11 3 / 1) = 24
- 3. 3 * (1 * 11 3) = 24
- 4. 3 * (11 / 1 3) = 24
- 5. 1 * 3 * (11 3) = 24
- 6. 3 * (11 3) / 1 = 24
- 179. [1, 3, 3, 12] 3 个解:
 - 1. 12 + 3 * (1 + 3) = 24
 - $2. \ 3 * (12 (1 + 3)) = 24$
 - 3. 12 * (1 + 3 / 3) = 24
- 180. [1, 3, 3, 13] 无解
- 181. [1, 3, 4, 4] 5个解:
 - 1. 3 * (4 + 1 * 4) = 24
 - $2. \ 3 * (4 + 4 / 1) = 24$
 - $3. \ 4 * (3 + 4 1) = 24$
 - 4. 1 * 3 * (4 + 4) = 24
 - 5. 3 * (4 + 4) / 1 = 24
- 182. [1, 3, 4, 5] 4 个解:
 - 1. 4 + 5 * (1 + 3) = 24
 - 2. (4 1) * (3 + 5) = 24
 - $3. \ 3 * (4 + 5 1) = 24$
 - 4. 1 + 3 + 4 * 5 = 24
- 183. [1, 3, 4, 6] 1 个解:
 - 1. 6 / (1 3 / 4) = 24
- 184. [1, 3, 4, 7] 4 个解:
 - 1. 4 * 7 (1 + 3) = 24
 - 2. 7 * (1 + 3) 4 = 24
 - 3. 3 + 7 * (4 1) = 24
 - 4. 4 + 3 * 7 1 = 24
- 185. [1, 3, 4, 8] 4个解:
 - 1. 8 + 4 * (1 + 3) = 24
 - $2. \quad (3-1) * (4+8) = 24$
 - 3. 8 / (4 / 3 1) = 24
 - $4. \ 4 * (1 + 8 3) = 24$
- 186. [1, 3, 4, 9] 9 个解:
 - 1. 4 * (9 1 * 3) = 24
 - $2. \ 4 * (9 3 / 1) = 24$
 - 3. 9 + 3 * (1 + 4) = 24
 - 4. 9 * (4 1) 3 = 24
 - 5. 4 * (1 * 9 3) = 24
 - 6. 4 * (9 / 1 3) = 24

- 7. 1 * 4 * (9 3) = 24
- 8. 4 * (9 3) / 1 = 24
- 9. 1 + 3 * 9 4 = 24
- 187. [1, 3, 4, 10] 3 个解:
 - 1. (1 + 3) * (10 4) = 24
 - $2. \ 4 * (10 (1 + 3)) = 24$
 - 3. 4 + 10 * (3 1) = 24
- 188. [1, 3, 4, 11] 3 个解:
 - 1. (4-1) * (11-3) = 24
 - 2. 1 + 11 + 3 * 4 = 24
 - 3. 3 * (1 + 11 4) = 24
- 189. [1, 3, 4, 12] 14 个解:
 - 1. 4 * 12 / (3 1) = 24
 - 2. 12 * (1 + 4 3) = 24
 - $3. \ 3 * (12 1 * 4) = 24$
 - 4. 3 * (12 4 / 1) = 245. 3 * 4 + 1 * 12 = 24
 - 6. 3 ***** 4 + 12 / 1 = 24
 - 7. 12 + 1 * 3 * 4 = 24
 - 8. 12 + 3 * 4 / 1 = 24
 - 9. 1 * (12 + 3 * 4) = 24
 - 10. (12 + 3 * 4) / 1 = 24
 - 11. 3 * (1 * 12 4) = 24
 - 12. 3 * (12 / 1 4) = 24
 - 13. 1 * 3 * (12 4) = 2414. 3 * (12 - 4) / 1 = 24
- 190. [1, 3, 4, 13] 2 个解:
 - 1. 3 * (13 (1 + 4)) = 24
 - 2. 13 + 3 * 4 1 = 24
- 191. [1, 3, 5, 5] 无解
- 192. [1, 3, 5, 6] 2 个解:
 - 1. 6 + 3 * (1 + 5) = 24
 - 2. 1 + 5 + 3 * 6 = 24
- 193. [1, 3, 5, 7] 2 个解:
 - 1. (3-1) * (5+7) = 24
 - 2. (1 + 5) * (7 3) = 24
- 194. [1, 3, 5, 8] 3 个解:
 - 1. 8 * (1 + 5 3) = 24
 - 2. 1 + 8 + 3 * 5 = 24
 - 3. 5 * (8 3) 1 = 24

- 195. [1, 3, 5, 9] 8个解:
 - 1. (5-1) * (9-3) = 24
 - 2. 3 * 5 + 1 * 9 = 24
 - 3. 3 * 5 + 9 / 1 = 24
 - 4. 9 + 1 * 3 * 5 = 24
 - 5. 9 + 3 * 5 / 1 = 24
 - 6. 1 * (9 + 3 * 5) = 24
 - 7. (9 + 3 * 5) / 1 = 24
 - 8. 9 * (1 + 5 / 3) = 24
- 196. [1, 3, 5, 10] 2 个解:
 - 1. 3 * 10 (1 + 5) = 24
 - 2. 10 + 3 * 5 1 = 24
- 197. [1, 3, 5, 11] 2 个解:
 - 1. (1 + 3) * (11 5) = 24
 - 2. (5 3) * (1 + 11) = 24
- 198. [1, 3, 5, 12] 9 个解:
 - 1. 12 * (5 1 * 3) = 24
 - 2. 12 * (5 3 / 1) = 24
 - 3. 12 * (1 + 5) / 3 = 24
 - 4. 12 + 3 * (5 1) = 24
 - 5. 12 * (1 * 5 3) = 24
 - 6. 12 * (5 / 1 3) = 24
 - 7. 1 * 12 * (5 3) = 24
 - 8. 12 * (5 3) / 1 = 24
 - 9. 3 * (1 + 12 5) = 24
- 199. [1, 3, 5, 13] 7个解:
 - 1. 3 * (13 1 * 5) = 24
 - $2. \ 3 * (13 5 / 1) = 24$
 - 3. (5-3) * (13-1) = 24
 - 4. 3 * (1 * 13 5) = 24
 - 5. 3 * (13 / 1 5) = 24
 - 6. 1 * 3 * (13 5) = 24
 - 7. 3 * (13 5) / 1 = 24
- 200. [1, 3, 6, 6] 10 个解:
 - 1. (3-1) * (6+6) = 24
 - 2. 6 * (1 + 6 3) = 24
 - 3. 1 * 6 + 3 * 6 = 24
 - 4. 6 / 1 + 3 * 6 = 24
 - 5. 3 * 6 + 1 * 6 = 24
 - 6. 3 * 6 + 6 / 1 = 24
 - 7. 6 + 1 * 3 * 6 = 24
 - 8. 6 + 3 * 6 / 1 = 24
 - 9. 1 * (6 + 3 * 6) = 24
 - 10. (6 + 3 * 6) / 1 = 24

- 201. [1, 3, 6, 7] 9个解:
 - 1. 6 * (7 1 * 3) = 24
 - 2. 6 * (7 3 / 1) = 24
 - 3. (6-3) * (1+7) = 24
 - 4. 7 + 3 * 6 1 = 24
 - 5. 6 + 3 * (7 1) = 24
 - 6. 6 * (1 * 7 3) = 24
 - 7. 6 * (7 / 1 3) = 24
 - 8. 1 * 6 * (7 3) = 24
 - 9. 6 * (7 3) / 1 = 24
- 202. [1, 3, 6, 8] 9个解:
 - 1. 6 * (8 (1 + 3)) = 24
 - 2.6 * 8 / (3 1) = 24
 - 3. 8 * (6 1 * 3) = 24
 - 4. 8 * (6 3 / 1) = 24
 - 5. 8 * (1 * 6 3) = 24
 - 6. 8 * (6 / 1 3) = 24
 - 7. 1 * 8 * (6 3) = 24
 - 8. 8 * (6 3) / 1 = 24
 - 9. 8 * (1 + 6 / 3) = 24
- 203. [1, 3, 6, 9] 5个解:
 - 1. 6 + 9 * (3 1) = 24
 - 2. 9 + 3 * (6 1) = 24
 - 3. (6 3) * (9 1) = 24
 - 4. 3 * (1 + 9) 6 = 24
 - 5. 6 * (1 + 9 / 3) = 24
- 204. [1, 3, 6, 10] 6个解:
 - 1. 3 * 10 1 * 6 = 24
 - 2. 3 * 10 6 / 1 = 24
 - 3. 1 * 3 * 10 6 = 24
 - 4. 3 * 10 / 1 6 = 24
 - 5. 1 ***** (3 ***** 10 6) = 24
 - 6. (3 * 10 6) / 1 = 24
- 205. [1, 3, 6, 11] 2 个解:
 - 1. 6 * (1 + 11) / 3 = 24
 - $2. \ 3 * (11 1) 6 = 24$
- 206. [1, 3, 6, 12] 6 个解:
 - 1. (1 + 3) * (12 6) = 24
 - 2. 12 * (6 (1 + 3)) = 24
 - 3. 12 + 6 * (3 1) = 24
 - 4. 6 * 12 / (1 * 3) = 24
 - 5. 12 / (1 3 / 6) = 24
 - 6. 1 * 6 * 12 / 3 = 24

- 207. [1, 3, 6, 13] 2 个解:
 - 1. 3 * (1 + 13 6) = 24
 - 2. 6 * (13 1) / 3 = 24
- 208. [1, 3, 7, 7] 2 个解:
 - 1. (7-1) * (7-3) = 24
 - 2. (7-3) * (7-1) = 24
- 209. [1, 3, 7, 8] 2 个解:
 - 1. 8 * (7 (1 + 3)) = 24
 - 2. 3 / (1 7 / 8) = 24
- 210. [1, 3, 7, 9] 1 个解:
 - 1. 9 * (1 + 7) / 3 = 24
- 211. [1, 3, 7, 10] 2 个解:
 - 1. 10 + 7 * (3 1) = 24
 - 2. 1 + 3 * 10 7 = 24
- 212. [1, 3, 7, 11] 无解
- 213. [1, 3, 7, 12] 1 个解:
 - 1. 12 * (7 1) / 3 = 24
- 214. [1, 3, 7, 13] 2 个解:
 - 1. (1 + 3) * (13 7) = 24
 - 2. 1 + 3 + 7 + 13 = 24
- 215. [1, 3, 8, 8] 3 个解:
 - 1. 8 * (1 + 3) 8 = 24
 - 2. 8 + 8 * (3 1) = 24
 - 3. 8 * (1 + 8) / 3 = 24
- 216. [1, 3, 8, 9] 3 个解:
 - 1. 8 * 9 / (1 * 3) = 24
 - 2. 1 * 8 * 9 / 3 = 24 3. 3 / (9 / 8 - 1) = 24
- 217. [1, 3, 8, 10] 1 个解:
 - 1. 8 * (10 1) / 3 = 24
- 218. [1, 3, 8, 11] 1 个解: 1. 3 * 11 - (1 + 8) = 24
- 219. [1, 3, 8, 12] 3 个解:
 - 1. 8 * 12 / (1 + 3) = 24
 - 2. 8 * (12 / 3 1) = 24
 - 3. 1 + 3 + 8 + 12 = 24

- 220. [1, 3, 8, 13] 14 个解:
 - 1. 8 + 13 + 1 * 3 = 24
 - 2. 8 + 13 + 3 / 1 = 24
 - $3. \ \ 3 + 13 + 1 * 8 = 24$
 - 4. 3 + 13 + 8 / 1 = 24
 - 5. 13 + 1 * (3 + 8) = 24
 - 6. 13 + (3 + 8) / 1 = 24
 - 7. 3 + 8 + 1 * 13 = 24
 - 8. 3 + 8 + 13 / 1 = 24
 - 9. 8 + 1 * (3 + 13) = 24
 - 10. 8 + (3 + 13) / 1 = 24
 - 11. 3 + 1 * (8 + 13) = 24
 - 12. 3 + (8 + 13) / 1 = 24
 - 13. 1 * (3 + 8 + 13) = 24
 - 14. (3 + 8 + 13) / 1 = 24
- 221. [1, 3, 9, 9] 1 个解:
 - 1. 9 * (9 1) / 3 = 24
- 222. [1, 3, 9, 10] 1 个解:
- 1. 3 * (1 + 10) 9 = 24
- 223. [1, 3, 9, 11] 8 个解:
 - 1. 3 * 11 1 * 9 = 24
 - 2. 3 * 11 9 / 1 = 24
 - 3. 1 * 3 * 11 9 = 24
 - 4. 3 * 11 / 1 9 = 24
 - 5. 1 * (3 * 11 9) = 24
 - 6. (3 * 11 9) / 1 = 24
 - 7. 9 * (11 / 3 1) = 24
 - 8. 1 + 3 + 9 + 11 = 24
- 224. [1, 3, 9, 12] 17 个解:
 - 1. 9 * (1 + 3) 12 = 24
 - 2. 9 + 12 + 1 * 3 = 24
 - 3. 9 + 12 + 3 / 1 = 24
 - 4. 3 + 12 + 1 * 9 = 24
 - $5. \ 3 + 12 + 9 / 1 = 24$
 - 6. 12 + 1 * (3 + 9) = 24
 - 7. 12 + (3 + 9) / 1 = 24
 - 8. 12 * (9 / 3 1) = 24
 - 9. 3 * (12 1) 9 = 24
 - 10. 3 + 9 + 1 * 12 = 24
 - 11. 3 + 9 + 12 / 1 = 24
 - 12. 9 + 1 * (3 + 12) = 24
 - 13. 9 + (3 + 12) / 1 = 24
 - $14. \ 3 + 1 * (9 + 12) = 24$

 - 15. 3 + (9 + 12) / 1 = 24

- 16. 1 * (3 + 9 + 12) = 2417. (3 + 9 + 12) / 1 = 24
- 225. [1, 3, 9, 13] 1 个解:
 - 1. 3 + 9 + 13 1 = 24
- 226. [1, 3, 10, 10] 1 个解:
 - 1. 1 + 3 + 10 + 10 = 24
- 227. [1, 3, 10, 11] 15 个解:
 - 1. 10 + 11 + 1 * 3 = 24
 - 2. 10 + 11 + 3 / 1 = 24
 - 3. 3 + 11 + 1 * 10 = 24
 - 4. 3 + 11 + 10 / 1 = 24
 - 5. 11 + 1 * (3 + 10) = 24
 - 6. 11 + (3 + 10) / 1 = 24
 - 7. 3 + 10 + 1 * 11 = 24
 - 8. 3 + 10 + 11 / 1 = 24
 - 9. 10 + 1 * (3 + 11) = 24
 - 10. 10 + (3 + 11) / 1 = 24
 - 11. 1 + 3 * 11 10 = 24
 - 12. 3 + 1 * (10 + 11) = 24
 - 13. 3 + (10 + 11) / 1 = 2414. 1 * (3 + 10 + 11) = 24
 - 15. (3 + 10 + 11) / 1 = 24
- 228. [1, 3, 10, 12] 1 个解:
 - 1. 3 + 10 + 12 1 = 24
- 229. [1, 3, 10, 13] 无解
- 230. [1, 3, 11, 11] 1 个解:
 - $1. \ 3 + 11 + 11 1 = 24$
- 231. [1, 3, 11, 12] 2 个解:
- 1. 3 * 12 (1 + 11) = 24
 - $2. \ 3 * (1 + 11) 12 = 24$
- 232. [1, 3, 11, 13] 无解
- 233. [1, 3, 12, 12] 6 个解:
 - 1. 3 * 12 1 * 12 = 24
 - 2. 3 * 12 12 / 1 = 24
 - 3. 1 * 3 * 12 12 = 24
 - 4. 3 * 12 / 1 12 = 24
 - 5. 1 * (3 * 12 12) = 24
 - 6. (3 * 12 12) / 1 = 24
- 234. [1, 3, 12, 13] 2 个解:

- 1. 1 + 3 * 12 13 = 24
- $2. \ 3 * (13 1) 12 = 24$
- 235. [1, 3, 13, 13] 1 个解:
 - 1. 1 + 13 + 13 3 = 24
- 236. [1, 4, 4, 4] 3 个解:
 - 1. 4 + 4 * (1 + 4) = 24
 - 2. (4 1) * (4 + 4) = 24
 - 3. (4 + 4) * (4 1) = 24
- 237. [1, 4, 4, 5] 6 个解:
 - 1. 1 * 4 + 4 * 5 = 24
 - $2. \ 4 \ / \ 1 + 4 * 5 = 24$
 - 3. 4 + 1 * 4 * 5 = 24
 - 4. 4 + 4 * 5 / 1 = 24
 - 5. 1 * (4 + 4 * 5) = 24
 - 6. (4 + 4 * 5) / 1 = 24
- 238. [1, 4, 4, 6] 2 个解:
 - 1. 4 * (1 + 6) 4 = 24
 - $2. \ 4 + 4 * (6 1) = 24$
- 239. [1, 4, 4, 7] 7 个解:
 - 1. 4 * 7 1 * 4 = 24
 - $2. \ 4 * 7 4 / 1 = 24$
 - 3. 1 + 7 + 4 * 4 = 24
 - 4. 1 * 4 * 7 4 = 24
 - 5. 4 * 7 / 1 4 = 24
 - 6. 1 * (4 * 7 4) = 247. (4 * 7 - 4) / 1 = 24
- 240. [1, 4, 4, 8] 7 个解:
 - 1. 4 * 4 + 1 * 8 = 24
 - $2. \ 4 * 4 + 8 / 1 = 24$
 - 3. 8 + 1 * 4 * 4 = 24
 - 4. 8 + 4 * 4 / 1 = 24
 - 5. 1 * (8 + 4 * 4) = 24
 - 6. (8 + 4 * 4) / 1 = 247. 4 * (8 - 1) - 4 = 24
- 241. [1, 4, 4, 9] 2 个解: 1. 9 + 4 * 4 - 1 = 24
 - $2. \ 4 * (1 + 9 4) = 24$
- 242. [1, 4, 4, 10] 6 个解:
 - 1. 4 * (10 1 * 4) = 24
 - $2. \ 4 * (10 4 / 1) = 24$
 - 3. 4 * (1 * 10 4) = 24

- 4. 4 * (10 / 1 4) = 24
- 5. 1 * 4 * (10 4) = 24
- 6. 4 * (10 4) / 1 = 24
- 243. [1, 4, 4, 11] 1 个解: 1. 4 * (11 - (1 + 4)) = 24
- 244. [1, 4, 4, 12] 3 个解:
 - 1. (4-1) * (12-4) = 24
 - 2. 12 + 4 * (4 1) = 24
 - 3. 12 * (1 + 4 / 4) = 24
- 245. [1, 4, 4, 13] 无解
- 246. [1, 4, 5, 5] 2 个解:
 - 1. 4 + 5 * (5 1) = 24
 - 2. 5 + 4 * 5 1 = 24
- 247. [1, 4, 5, 6] 2 个解:
 - 1. 6 / (5 / 4 1) = 24
 - $2. \ 4 \ / \ (1 5 \ / \ 6) = 24$
- 248. [1, 4, 5, 7] 2 个解:
 - 1. 7 * (5 1) 4 = 24
 - 2. 1 + 4 * 7 5 = 24
- 249. [1, 4, 5, 8] 2 个解:
 - 1. (1 + 5) * (8 4) = 24
 - 2. 8 + 4 * (5 1) = 24
- 250. [1, 4, 5, 9] 2 个解:
 - 1. 9 + 5 * (4 1) = 24
 - 2. 5 * (9 4) 1 = 24
- 251. [1, 4, 5, 10] 2 个解:
 - 1. (5-1) * (10-4) = 24
 - $2. \ 4 * (1 + 10 5) = 24$
- 252. [1, 4, 5, 11] 6 个解:
 - 1. 4 * (11 1 * 5) = 24
 - $2. \ 4 * (11 5 / 1) = 24$
 - $3. \ 4 * (1 * 11 5) = 24$
 - 4. 4 * (11 / 1 5) = 24
 - 5. 1 * 4 * (11 5) = 24
 - 6. 4 * (11 5) / 1 = 24
- 253. [1, 4, 5, 12] 2 个解:
 - 1. 12 * (1 + 5 4) = 24
 - $2. \ 4 * (12 (1 + 5)) = 24$

- 254. [1, 4, 5, 13] 1 个解:
 - 1. (4-1) * (13-5) = 24
- 255. [1, 4, 6, 6] 2 个解:
 - 1. 6 * (1 + 4) 6 = 24
 - $2. \ 6 + 6 * (4 1) = 24$
- 256. [1, 4, 6, 7] 2 个解:
 - 1. 6 * (1 + 7 4) = 24
 - $2. \ 4 \ / \ (7 \ / \ 6 \ \ 1) = 24$
- 257. [1, 4, 6, 8] 8 个解:
 - 1. 6 * (8 1 * 4) = 24
 - 2.6 * (8 4 / 1) = 24
 - 3. 8 * (1 + 6 4) = 24
 - 4. 8 / (1 4 / 6) = 24
 - 5. 6 * (1 * 8 4) = 24
 - 6. 6 * (8 / 1 4) = 24
 - 7. 1 * 6 * (8 4) = 24
 - 8. 6 * (8 4) / 1 = 24
- 258. [1, 4, 6, 9] 1 个解:
 - 1. 6 * (9 (1 + 4)) = 24
- 259. [1, 4, 6, 10] 1 个解:
 - 1. 10 * (4 1) 6 = 24
- 260. [1, 4, 6, 11] 2 个解:
 - 1. (6-4) * (1+11) = 24
 - $2. \ 4 * (1 + 11 6) = 24$
- 261. [1, 4, 6, 12] 15 个解:
 - 1. 6 * 12 / (4 1) = 24
 - 2. 12 * (6 1 * 4) = 24
 - 3. 12 * (6 4 / 1) = 24
 - 4. 12 * (1 * 6 4) = 24
 - 5. 4 * (12 1 * 6) = 24
 - 6. 12 ***** (6 / 1 4) = 24
 - 7. 4 * (12 6 / 1) = 24
 - 8. 1 * 12 * (6 4) = 24
 - 9. 12 * (6 4) / 1 = 24
 - 0. 12 (0 1) / 1 21
 - 10. 12 / (6 / 4 1) = 24
 - 11. 4 * (1 * 12 6) = 24
 - 12. 4 * (12 / 1 6) = 24
 - 13. 6 * (1 + 12 / 4) = 24
 - 14. 1 * 4 * (12 6) = 24
 - 15. 4 * (12 6) / 1 = 24

- 262. [1, 4, 6, 13] 3 个解:
 - 1. 4 * (13 (1 + 6)) = 24
 - 2. (6 4) * (13 1) = 24
 - 3. 1 + 4 + 6 + 13 = 24
- 263. [1, 4, 7, 7] 2 个解:
 - 1. (1 + 7) * (7 4) = 24
 - $2. \quad (7 4) * (1 + 7) = 24$
- 264. [1, 4, 7, 8] 9 个解:
 - 1. 8 * (7 1 * 4) = 24
 - 2. 8 * (7 4 / 1) = 24
 - 3. 4 * 8 (1 + 7) = 24
 - $4. \ 4 * (1 + 7) 8 = 24$
 - 5. (7-1) * (8-4) = 24
 - $0. \quad (7-1) + (8-4) 26$
 - 6. 8 * (1 * 7 4) = 247. 8 * (7 / 1 - 4) = 24
 - 8. 1 * 8 * (7 4) = 24
 - 9. 8 * (7 4) / 1 = 24
- 265. [1, 4, 7, 9] 1 个解:
 - 1. (7 4) * (9 1) = 24
- 266. [1, 4, 7, 10] 无解
- 267. [1, 4, 7, 11] 1 个解:
 - 1. 7 * (1 + 4) 11 = 24
- 268. [1, 4, 7, 12] 4 个解:
 - 1. 12 * (7 (1 + 4)) = 24
 - 2. 12 * (1 + 7) / 4 = 24
 - 3. 4 * (1 + 12 7) = 244. 1 + 4 + 7 + 12 = 24
- 269. [1, 4, 7, 13] 20 个解:
 - 1. 7 + 13 + 1 * 4 = 24
 - 2. 7 + 13 + 4 / 1 = 24
 - 3. 4 + 13 + 1 * 7 = 24
 - 4. 4 * (13 1 * 7) = 24
 - 5. 4 + 13 + 7 / 1 = 24
 - 6. 4 * (13 7 / 1) = 24
 - 7. 13 + 1 * (4 + 7) = 24
 - $8. \ 13 + (4 + 7) / 1 = 24$
 - 9. 4 + 7 + 1 * 13 = 24
 - 10. 4 * (1 * 13 7) = 24
 - 11. 4 + 7 + 13 / 1 = 24
 - 12. 4 * (13 / 1 7) = 24
 - 13. 7 + 1 * (4 + 13) = 2414. 7 + (4 + 13) / 1 = 24

- 15. 4 + 1 * (7 + 13) = 24 16. 4 + (7 + 13) / 1 = 24 17. 1 * (4 + 7 + 13) = 24
- 18. (4 + 7 + 13) / 1 = 24
- 19. 1 * 4 * (13 7) = 24
- 20. 4 * (13 7) / 1 = 24
- 270. [1, 4, 8, 8] 8 个解:
 - 1. 8 * (8 (1 + 4)) = 24
 - 2. 4 * 8 1 * 8 = 24
 - 3. 4 ***** 8 8 / 1 = 24
 - 4. 1 * 4 * 8 8 = 24
 - 5. 4 ***** 8 / 1 8 = 24
 - 6. 1 * (4 * 8 8) = 24
 - 7. (4 * 8 8) / 1 = 24
 - 8. 8 * (1 + 8 / 4) = 24
- 271. [1, 4, 8, 9] 3 个解:
 - 1. 8 * 9 / (4 1) = 24
 - 2. 1 + 4 * 8 9 = 24
 - 3. 4 * (9 1) 8 = 24
- 272. [1, 4, 8, 10] 无解
- 273. [1, 4, 8, 11] 2 个解:
 - 1. 8 * (1 + 11) / 4 = 24
 - 2. 1 + 4 + 8 + 11 = 24
- 274. [1, 4, 8, 12] 18 个解:
 - 1. 8 * 12 / (1 * 4) = 24
 - 2. 8 + 12 + 1 * 4 = 24
 - 3. 8 + 12 + 4 / 1 = 24
 - $4. \ 4 * (1 + 8) 12 = 24$
 - 5. 4 + 12 + 1 * 8 = 24
 - 6. 4 + 12 + 8 / 1 = 24
 - 7. 12 + 1 * (4 + 8) = 24
 - 8. 12 + (4 + 8) / 1 = 24
 - 9. 12 / (1 4 / 8) = 24
 - 10. 4 + 8 + 1 * 12 = 24
 - 11. 4 + 8 + 12 / 1 = 24
 - 12. 8 + 1 * (4 + 12) = 24
 - 13. 8 + (4 + 12) / 1 = 24
 - $14. \ 4 + 1 * (8 + 12) = 24$
 - 15. 4 + (8 + 12) / 1 = 24
 - 10. 4 (0 | 12) / 1 2
 - 16. 1 * (4 + 8 + 12) = 24
 - 17. (4 + 8 + 12) / 1 = 24
 - 18. 1 ***** 8 ***** 12 / 4 = 24
- 275. [1, 4, 8, 13] 3 个解:

- 1. 4 * (1 + 13 8) = 24
- 2. 8 * (13 1) / 4 = 24
- $3. \ 4 + 8 + 13 1 = 24$
- 276. [1, 4, 9, 9] 无解
- 277. [1, 4, 9, 10] 1 个解:
 - 1. 1 + 4 + 9 + 10 = 24
- 278. [1, 4, 9, 11] 16 个解:
 - 1. 11 * (4 1) 9 = 24
 - 2. 9 + 11 + 1 * 4 = 24
 - 3. 9 + 11 + 4 / 1 = 24
 - $4. \ 4 + 11 + 1 * 9 = 24$
 - 5. 4 + 11 + 9 / 1 = 24
 - 6. 11 + 1 * (4 + 9) = 24
 - 7. 11 + (4 + 9) / 1 = 24
 - 8. 4 * 9 (1 + 11) = 24
 - 9. 4 + 9 + 1 * 11 = 24
 - 10. 4 + 9 + 11 / 1 = 24
 - 11. 9 + 1 * (4 + 11) = 24
 - 12. 9 + (4 + 11) / 1 = 24
 - 13. 4 + 1 * (9 + 11) = 24
 - $14. \ 4 + (9 + 11) \ / \ 1 = 24$
 - 15. 1 * (4 + 9 + 11) = 24
 - 16. (4 + 9 + 11) / 1 = 24
- 279. [1, 4, 9, 12] 8个解:
 - 1. 12 * (9 1) / 4 = 24
 - 2. 4 * 9 1 * 12 = 24
 - 3. 4 * 9 12 / 1 = 24
 - 4. 1 * 4 * 9 12 = 24
 - 5. 4 ***** 9 / 1 12 = 24
 - C 1 . (4 . O 10) C
 - 6. 1 * (4 * 9 12) = 24
 - 7. (4 * 9 12) / 1 = 24
 - 8. 4 + 9 + 12 1 = 24
- 280. [1, 4, 9, 13] 1 个解:
 - 1. 1 + 4 * 9 13 = 24
- 281. [1, 4, 10, 10] 11 个解:
 - 1. 10 + 10 + 1 * 4 = 24
 - $2. \ 10 + 10 + 4 / 1 = 24$
 - 3. 4 + 10 + 1 * 10 = 24
 - 4. 4 + 10 + 10 / 1 = 24
 - 5. 10 + 1 ***** (4 + 10) = 24
 - 6. 10 + (4 + 10) / 1 = 24
 - 7. 4 + 1 ***** (10 + 10) = 24
 - 8. 4 + (10 + 10) / 1 = 24

- 9. 1 * (4 + 10 + 10) = 24
- 10. (4 + 10 + 10) / 1 = 24
- 11. 10 * 10 / 4 1 = 24
- 282. $[1, 4, 10, 11] 1 \uparrow M$: 1. 4 + 10 + 11 - 1 = 24
- 283. [1, 4, 10, 12] 3 个解:
 - 1. 10 * 12 / (1 + 4) = 24
 - $2. \ 4 * (10 1) 12 = 24$
 - 3. 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] 2 个解:
 - 1. 12 * (4 1) 12 = 242. 12 * (12 / 4 - 1) = 24
- 289. [1, 4, 12, 13] 无解
- 290. [1, 4, 13, 13] 无解
- 291. [1, 5, 5, 5] 1 个解:
 - 1. 5 * (5 1 / 5) = 24
- 292. [1, 5, 5, 6] 2 个解:
 - 1. 5 * 6 (1 + 5) = 24
 - $2. \ 5 * (1 + 5) 6 = 24$
- 293. [1, 5, 5, 7] 无解
- 294. [1, 5, 5, 8] 无解
- 295. [1, 5, 5, 9] 1 个解:
 - 1. (1 + 5) * (9 5) = 24
- 296. [1, 5, 5, 10] 1 个解:
 - 1. 5 * (10 5) 1 = 24
- 297. [1, 5, 5, 11] 1 个解:
 - 1. (5-1) * (11-5) = 24
- 298. [1, 5, 5, 12] 1 个解:

- 1. 12 * (1 + 5 / 5) = 24
- 299. [1, 5, 5, 13] 1 个解: 1. 1 + 5 + 5 + 13 = 24
- 300. [1, 5, 6, 6] 6个解:
 - 1. 5 ***** 6 1 ***** 6 = 24
 - 2. 5 * 6 6 / 1 = 24
 - 3. 1 * 5 * 6 6 = 24
 - 4. 5 * 6 / 1 6 = 24
 - 5. 1 * (5 * 6 6) = 24
 - 6. (5 * 6 6) / 1 = 24
- 301. [1, 5, 6, 7] 2 个解:
 - 1. 1 + 5 * 6 7 = 24
 - $2. \ 5 * (7 1) 6 = 24$
- 302. [1, 5, 6, 8] 1 个解:
 - 1. 6 * (1 + 8 5) = 24
- 303. [1, 5, 6, 9] 6个解:
 - 1. 6 * (9 1 * 5) = 24
 - 2. 6 * (9 5 / 1) = 24
 - 3. 6 * (1 * 9 5) = 24
 - 4. 6 * (9 / 1 5) = 24
 - 5. 1 * 6 * (9 5) = 24
 - 6. 6 * (9 5) / 1 = 24
- 304. [1, 5, 6, 10] 2 个解:
 - 1. (1 + 5) * (10 6) = 24
 - 2. 6 * (10 (1 + 5)) = 24
- 305. [1, 5, 6, 11] 2 个解:
 - 1. 5 * (1 + 6) 11 = 24
 - 2. 5 * (11 6) 1 = 24
- 306. [1, 5, 6, 12] 4 个解:
 - 1. 6 * (1 + 5) 12 = 24
 - 2. (5 1) * (12 6) = 24
 - 3. 12 * (1 + 6 5) = 24
 - 4. 1 + 5 + 6 + 12 = 24
- 307. [1, 5, 6, 13] 14 个解:
 - 1. 6 + 13 + 1 * 5 = 24
 - 2. 6 + 13 + 5 / 1 = 24
 - 0 5 1 10 1 1 1 0 0
 - 3. 5 + 13 + 1 * 6 = 244. 5 + 13 + 6 / 1 = 24
 - 5. 13 + 1 * (5 + 6) = 24
 - 6. 13 + (5 + 6) / 1 = 24

- 7. 5 + 6 + 1 * 13 = 24
- 8. 5 + 6 + 13 / 1 = 24
- 9. 6 + 1 * (5 + 13) = 24
- 10. 6 + (5 + 13) / 1 = 24
- 11. 5 + 1 * (6 + 13) = 24
- 12. 5 + (6 + 13) / 1 = 24
- 13. 1 * (5 + 6 + 13) = 24
- 14. (5 + 6 + 13) / 1 = 24
- 308. [1, 5, 7, 7] 无解
- 309. [1, 5, 7, 8] 2 个解:
 - 1. (1 + 7) * (8 5) = 24
 - 2. 8 * (1 + 7 5) = 24
- 310. [1, 5, 7, 9] 1 个解:
 - 1. (7-1) * (9-5) = 24
- 311. [1, 5, 7, 10] 2 个解:
 - 1. 5 * 7 (1 + 10) = 24
 - 2. 10 * (1 + 7 / 5) = 24
- 312. [1, 5, 7, 11] 9个解:
 - 1. (1 + 5) * (11 7) = 24
 - 2. (7-5) * (1+11) = 24
 - 3. 5 * 7 1 * 11 = 24
 - 4. 5 * 7 11 / 1 = 24
 - 5. 1 * 5 * 7 11 = 24
 - 6. 5 ***** 7 / 1 11 = 24
 - 7. 1 * (5 * 7 11) = 24
 - 8. (5 * 7 11) / 1 = 24
 - 9. 1 + 5 + 7 + 11 = 24
- 313. [1, 5, 7, 12] 22 个解:
 - 1. 12 * (7 1 * 5) = 24
 - 2. 7 + 12 + 1 * 5 = 24
 - 3. 12 * (7 5 / 1) = 24
 - 4. 7 + 12 + 5 / 1 = 24
 - 5. 12 * (1 * 7 5) = 24
 - 6. 5 + 12 + 1 * 7 = 24
 - 7. 12 * (7 / 1 5) = 24
 - 8. 5 + 12 + 7 / 1 = 24
 - 9. 12 + 1 * (5 + 7) = 24
 - 10. 12 + (5 + 7) / 1 = 24
 - 11. 1 * 12 * (7 5) = 24
 - 12. 12 * (7 5) / 1 = 24
 - 13. 1 + 5 * 7 12 = 24
 - 14. 5 + 7 + 1 * 12 = 24
 - 15. 5 + 7 + 12 / 1 = 24

- 16. 7 + 1 * (5 + 12) = 24
- 17. 7 + (5 + 12) / 1 = 24
- 18. 5 + 1 * (7 + 12) = 24
- 19. 5 + (7 + 12) / 1 = 24
- $20. \ 1 * (5 + 7 + 12) = 24$
- $21. \quad (5 + 7 + 12) \quad / \quad 1 = 24$
- $22. \ 5 * (12 7) 1 = 24$
- 314. [1, 5, 7, 13] 3 个解:
 - 1. (5-1) * (13-7) = 24
 - $2. \quad (7 5) * (13 1) = 24$
 - 3. 5 + 7 + 13 1 = 24
- 315. [1, 5, 8, 8] 7 个解:
 - 1. 8 * (5 1) 8 = 24
 - 2. 8 * (8 1 * 5) = 24
 - 3. 8 * (8 5 / 1) = 24
 - 4. 8 ***** (1 ***** 8 5) = 24
 - 5. 8 * (8 / 1 5) = 24
 - 6. 1 * 8 * (8 5) = 24
 - 7. 8 * (8 5) / 1 = 24
- 316. [1, 5, 8, 9] 3 个解:
 - 1. 8 * (9 (1 + 5)) = 242. (8 - 5) * (9 - 1) = 24
 - 3. 9 / (1 5 / 8) = 24
- 317. [1, 5, 8, 10] 2 个解:
 - 1. 8 * (1 + 10 / 5) = 24
 - 2. 1 + 5 + 8 + 10 = 24
- 318. [1, 5, 8, 11] 15 个解:
 - 1. 8 + 11 + 1 * 5 = 24
 - 2. 8 + 11 + 5 / 1 = 24
 - 3. 5 * (8 1) 11 = 24
 - 4. 5 + 11 + 1 * 8 = 24
 - 5. 5 + 11 + 8 / 1 = 24
 - 6. 11 + 1 * (5 + 8) = 24
 - 7. 11 + (5 + 8) / 1 = 248. 5 + 8 + 1 * 11 = 24
 - 9. 5 + 8 + 11 / 1 = 24
 - 10. 8 + 1 * (5 + 11) = 24
 - 11. 8 + (5 + 11) / 1 = 24
 - 12. 5 + 1 * (8 + 11) = 24
 - 13. 5 + (8 + 11) / 1 = 24
 - 14. 1 * (5 + 8 + 11) = 24
 - 15. (5 + 8 + 11) / 1 = 24
- 319. [1, 5, 8, 12] 4 个解:

- 1. (1 + 5) * (12 8) = 24
- 2. 12 * (8 (1 + 5)) = 24
- 3. 8 * 12 / (5 1) = 24
- $4. \quad 5 + 8 + 12 1 = 24$
- 320. [1, 5, 8, 13] 1 个解:
 - 1. 5 * (13 8) 1 = 24
- 321. $[1, 5, 9, 9] 1 \land \text{#}:$ 1. 1 + 5 + 9 + 9 = 24
- 322. [1, 5, 9, 10] 14 个解:
 - 1. 9 + 10 + 1 * 5 = 24
 - 2. 9 + 10 + 5 / 1 = 24
 - 3. 5 + 10 + 1 * 9 = 24
 - 4. 5 + 10 + 9 / 1 = 24
 - 5. 10 + 1 * (5 + 9) = 24
 - 6. 10 + (5 + 9) / 1 = 24
 - 7. 5 + 9 + 1 * 10 = 24
 - 8. 5 + 9 + 10 / 1 = 24
 - 9. 9 + 1 * (5 + 10) = 24
 - 10. 9 + (5 + 10) / 1 = 24
 - 11. 5 + 1 * (9 + 10) = 24
 - 12. 5 + (9 + 10) / 1 = 24
 - 13. 1 * (5 + 9 + 10) = 24
 - 14. (5 + 9 + 10) / 1 = 24
- 323. [1, 5, 9, 11] 1 个解:
- 1. 5 + 9 + 11 1 = 24
- 324. [1, 5, 9, 12] 2 个解:
 - 1. 9 * (5 1) 12 = 24
 - 2. 12 * (1 + 9) / 5 = 24
- 325. [1, 5, 9, 13] 1 个解:
 - 1. (1 + 5) * (13 9) = 24
- 326. [1, 5, 10, 10] 1 个解:
- 1. 5 + 10 + 10 1 = 24
- 327. [1, 5, 10, 11] 1 个解:
- 1. 10 * (1 + 11) / 5 = 24
- 328. [1, 5, 10, 12] 3 个解:
 - 1. 10 * 12 / (1 * 5) = 24
 - 2. 12 / (1 5 / 10) = 24
 - 3. 1 * 10 * 12 / 5 = 24
- 329. [1, 5, 10, 13] 1 个解:

- 1. 10 * (13 1) / 5 = 24
- 330. [1, 5, 11, 11] 1 个解:
 - 1. (11 * 11 1) / 5 = 24
- 331. [1, 5, 11, 12] 1 个解:
 - 1. 12 * (11 1) / 5 = 24
- 332. [1, 5, 11, 13] 无解
- 333. [1, 5, 12, 12] 1 个解:
 - 1. 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 个解:
- 1. 6 * (6 1) 6 = 24
- 337. [1, 6, 6, 7] 无解
- 338. [1, 6, 6, 8] 1 个解:
 - 1. 6 / (1 6 / 8) = 24
- 339. [1, 6, 6, 9] 1 个解:
 - 1. 6 * (1 + 9 6) = 24
- 340. [1, 6, 6, 10] 6 个解:
 - 1. 6 * (10 1 * 6) = 24
 - 2. 6 * (10 6 / 1) = 24
 - 3. 6 * (1 * 10 6) = 24
 - 4. 6 * (10 / 1 6) = 24
 - 5. 1 * 6 * (10 6) = 24
 - 6. 6 * (10 6) / 1 = 24
- 341. [1, 6, 6, 11] 3 个解:
 - 1. 6 * (11 (1 + 6)) = 24
 - 2. 6 * 6 (1 + 11) = 24
 - 3. 1 + 6 + 6 + 11 = 24
- 342. [1, 6, 6, 12] 17 个解:
 - 1. 6 + 12 + 1 * 6 = 24
 - 2. 6 + 12 + 6 / 1 = 24
 - 3. 12 + 1 * (6 + 6) = 24
 - 4. 12 + (6 + 6) / 1 = 24
 - 5. 6 * 6 1 * 12 = 24
 - 6. 6 * 6 12 / 1 = 24
 - 7. 1 * 6 * 6 12 = 24

- 8. 6 * 6 / 1 12 = 24
- 9. 1 * (6 * 6 12) = 24
- 10. (6 * 6 12) / 1 = 24
- 11. 12 * (1 + 6 / 6) = 24
- 12. 6 + 6 + 1 * 12 = 24
- 13. 6 + 6 + 12 / 1 = 24
- 14. 6 + 1 * (6 + 12) = 24
- 15. 6 + (6 + 12) / 1 = 24
- 16. 1 * (6 + 6 + 12) = 24
- 17. (6 + 6 + 12) / 1 = 24
- 343. [1, 6, 6, 13] 2 个解:
 - 1. 1 + 6 * 6 13 = 24
 - 2. 6 + 6 + 13 1 = 24
- 344. [1, 6, 7, 7] 无解
- 345. [1, 6, 7, 8] 无解
- 346. [1, 6, 7, 9] 1 个解:
 - 1. (1 + 7) * (9 6) = 24
- 347. [1, 6, 7, 10] 3 个解:
 - 1. (7-1) * (10-6) = 24
 - 2. 6 * (1 + 10 7) = 24
 - 3. 1 + 6 + 7 + 10 = 24
- 348. [1, 6, 7, 11] 21 个解:
 - 1. 7 * (6 1) 11 = 24
 - 2. 7 + 11 + 1 * 6 = 24
 - 3. 7 + 11 + 6 / 1 = 24
 - $4. \ 6 + 11 + 1 * 7 = 24$
 - 5. 6 * (11 1 * 7) = 24
 - $6. \ 6 + 11 + 7 / 1 = 24$
 - 7. 6 * (11 7 / 1) = 24
 - 8. 11 + 1 * (6 + 7) = 249. 11 + (6 + 7) / 1 = 24
 - 10. 6 + 7 + 1 * 11 = 24
 - 11. 6 * (1 * 11 7) = 24
 - 12. 6 + 7 + 11 / 1 = 24
 - 13. 6 * (11 / 1 7) = 24
 - 14. 7 + 1 * (6 + 11) = 24
 - 15. 7 + (6 + 11) / 1 = 24
 - 16. 6 + 1 * (7 + 11) = 24
 - 17. 6 + (7 + 11) / 1 = 24
 - 18. 1 * (6 + 7 + 11) = 24
 - 19. (6 + 7 + 11) / 1 = 24
 - 20. 1 * 6 * (11 7) = 24
 - 21. 6 * (11 7) / 1 = 24

- 349. [1, 6, 7, 12] 4 个解:
 - 1. 12 * (1 + 7 6) = 24
 - 2. 6 * (12 (1 + 7)) = 24
 - 3. 6 * (7 1) 12 = 24
 - 4. 6 + 7 + 12 1 = 24
- 350. [1, 6, 7, 13] 无解
- 351. [1, 6, 8, 8] 2 个解:
 - 1. 8 * (1 + 8 6) = 24
 - 2.8 / (8 / 6 1) = 24
- 352. [1, 6, 8, 9] 8个解:
 - 1. 8 * (9 1 * 6) = 24
 - 2.8 * (9 6 / 1) = 24
 - 3. 8 * (1 * 9 6) = 24
 - 4. 8 * (9 / 1 6) = 24
 - 5. 1 * 8 * (9 6) = 24
 - 6. 8 * (9 6) / 1 = 24
 - 7. 8 / (1 6 / 9) = 24
 - 8. 1 + 6 + 8 + 9 = 24
- 353. [1, 6, 8, 10] 16 个解:
 - 1. 8 * (10 (1 + 6)) = 24
 - 2. 8 + 10 + 1 * 6 = 24
 - 3. 8 + 10 + 6 / 1 = 24
 - 4. 6 + 10 + 1 * 8 = 24
 - 5. 6 + 10 + 8 / 1 = 24
 - 6. 10 + 1 * (6 + 8) = 24
 - 7. 10 + (6 + 8) / 1 = 24
 - 8. 6 + 8 + 1 * 10 = 24
 - 9. 6 + 8 + 10 / 1 = 24
 - 10. 8 + 1 * (6 + 10) = 24
 - 11. 8 + (6 + 10) / 1 = 24
 - 12. 6 + 1 * (8 + 10) = 24
 - 13. 6 + (8 + 10) / 1 = 24
 - 14. 1 * (6 + 8 + 10) = 24
 - 15. (6 + 8 + 10) / 1 = 24
 - 16. 6 / (10 / 8 1) = 24
 - 10. 0 / (10 / 8 1) = 2
- 354. [1, 6, 8, 11] 3 个解:
 - 1. (8 6) * (1 + 11) = 24
 - 2. 6 * (1 + 11 8) = 24
 - 3. 6 + 8 + 11 1 = 24
- 355. [1, 6, 8, 12] 13 个解:
 - 1. 12 * (8 1 * 6) = 24
 - 2. 12 * (8 6 / 1) = 24

- 3. 12 * (1 * 8 6) = 24
- 4. 6 * (12 1 * 8) = 24
- 5. 12 * (8 / 1 6) = 24
- 6. 6 * (12 8 / 1) = 24
- 7. 1 * 12 * (8 6) = 24
- 8. 12 * (8 6) / 1 = 24
- 9. 6 * (1 * 12 8) = 24
- 10. 6 * (12 / 1 8) = 24
- 11. 8 * (1 + 12 / 6) = 24
- 12. 1 * 6 * (12 8) = 24
- 13. 6 * (12 8) / 1 = 24
- 356. [1, 6, 8, 13] 2 个解:
 - 1. 6 * (13 (1 + 8)) = 24
 - 2. (8 6) * (13 1) = 24
- 357. [1, 6, 9, 9] 12 个解:
 - 1. 9 + 9 + 1 * 6 = 24
 - 2. 9 + 9 + 6 / 1 = 24
 - 3. (9-1) * (9-6) = 24
 - 4. 6 + 9 + 1 * 9 = 24
 - 5. 6 + 9 + 9 / 1 = 24
 - 6. 9 + 1 * (6 + 9) = 24
 - 7. 9 + (6 + 9) / 1 = 24
 - 8. (9-6) * (9-1) = 24
 - 9. 6 + 1 * (9 + 9) = 24
 - 10. 6 + (9 + 9) / 1 = 24
 - 11. 1 * (6 + 9 + 9) = 24
 - 12. (6 + 9 + 9) / 1 = 24
- 358. [1, 6, 9, 10] 2 个解:
 - 1. 9 * (1 + 10 / 6) = 24
 - 2. 6 + 9 + 10 1 = 24
- 359. [1, 6, 9, 11] 无解
- 360. [1, 6, 9, 12] 4 个解:
 - 1. 12 * (9 (1 + 6)) = 24
 - 2. 12 / (9 / 6 1) = 24
 - 3. 6 * (1 + 12 9) = 24
 - 4. 6 / (1 9 / 12) = 24
- 361. [1, 6, 9, 13] 6 个解:
 - 1. 6 * (13 1 * 9) = 24
 - 2. 6 * (13 9 / 1) = 24
 - 3. 6 * (1 * 13 9) = 24
 - 4. 6 * (13 / 1 9) = 24
 - 5. 1 * 6 * (13 9) = 24
 - 6. 6 * (13 9) / 1 = 24

- 362. [1, 6, 10, 10] 无解
- 363. [1, 6, 10, 11] 无解
- 364. [1, 6, 10, 12] 1 个解:
 - 1. 10 * 12 / (6 1) = 24
- 365. [1, 6, 10, 13] 1 个解:
 - 1. 6 * (1 + 13 10) = 24
- 366. [1, 6, 11, 11] 无解
- 367. [1, 6, 11, 12] 1 个解:
 - 1. 12 * (1 + 11) / 6 = 24
- 368. [1, 6, 11, 13] 1 个解:
 - 1. (1 + 11 * 13) / 6 = 24
- 369. [1, 6, 12, 12] 3 个解:
 - 1. 12 * 12 / (1 * 6) = 24
 - 2. 12 / (1 6 / 12) = 24
 - 3. 1 ***** 12 ***** 12 / 6 = 24
- 370. [1, 6, 12, 13] 1 个解:
 - 1. 12 * (13 1) / 6 = 24
- 371. [1, 6, 13, 13] 无解
- 372. [1, 7, 7, 7] 无解
- 373. [1, 7, 7, 8] 无解
- 374. $[1, 7, 7, 9] 1 \land m$: 1. 1 + 7 + 7 + 9 = 24
- 375. [1, 7, 7, 10] 11 个解:
 - 1. (1 + 7) * (10 7) = 24
 - $2. \ 7 + 10 + 1 * 7 = 24$
 - 3. 7 + 10 + 7 / 1 = 24
 - 4. 10 + 1 * (7 + 7) = 24
 - 5. 10 + (7 + 7) / 1 = 24
 - 6. 7 + 7 + 1 * 10 = 24
 - 7. 7 + 7 + 10 / 1 = 24
 - 8. 7 + 1 * (7 + 10) = 24
 - 9. 7 + (7 + 10) / 1 = 24
 - 10. 1 * (7 + 7 + 10) = 24
 - 11. (7 + 7 + 10) / 1 = 24

- 376. [1, 7, 7, 11] 2 个解:
 - 1. (7 1) * (11 7) = 24
 - $2. \quad 7 + 7 + 11 1 = 24$
- 377. [1, 7, 7, 12] 1 个解: 1. 12 * (1 + 7 / 7) = 24
- 378. [1, 7, 7, 13] 无解
- 379. [1, 7, 8, 8] 1 个解: 1. 1 + 7 + 8 + 8 = 24
- 380. [1, 7, 8, 9] 15 个解:
 - 1. 8 + 9 + 1 * 7 = 24
 - 2. 8 + 9 + 7 / 1 = 24
 - 3. 7 + 9 + 1 * 8 = 24
 - 4. 7 + 9 + 8 / 1 = 24
 - 5. 9 + 1 * (7 + 8) = 24
 - 6. 9 + (7 + 8) / 1 = 24
 - 7. 8 * (1 + 9 7) = 24
 - 8. 7 + 8 + 1 * 9 = 24
 - 9. 7 + 8 + 9 / 1 = 24
 - 10. 8 + 1 * (7 + 9) = 24
 - 11. 8 + (7 + 9) / 1 = 24
 - 12. 7 + 1 * (8 + 9) = 24
 - 13. 7 + (8 + 9) / 1 = 24
 - 14. 1 * (7 + 8 + 9) = 24
 - 15. (7 + 8 + 9) / 1 = 24
- 381. [1, 7, 8, 10] 7个解:
 - 1. 8 * (10 1 * 7) = 24
 - 2. 8 * (10 7 / 1) = 24
 - 3. 8 * (1 * 10 7) = 24
 - 4. 8 * (10 / 1 7) = 24
 - 5. 1 * 8 * (10 7) = 24
 - 6. 8 * (10 7) / 1 = 24
 - 7. 7 + 8 + 10 1 = 24
- 382. [1, 7, 8, 11] 2 个解:
 - 1. (1 + 7) * (11 8) = 24
 - 2. 8 * (11 (1 + 7)) = 24
- 383. [1, 7, 8, 12] 2 个解:
 - 1. (7 1) * (12 8) = 24
 - 2. 12 * (1 + 8 7) = 24
- 384. [1, 7, 8, 13] 无解
- 385. [1, 7, 9, 9] 1 个解:

- 1. 7 + 9 + 9 1 = 24
- 386. [1, 7, 9, 10] 1 个解:
 - 1. (9-1) * (10-7) = 24
- 387. [1, 7, 9, 11] 1 个解:
- 1. (9 7) * (1 + 11) = 24
- 388. [1, 7, 9, 12] 7个解:
 - 1. (1 + 7) * (12 9) = 24
 - 2. 12 * (9 1 * 7) = 24
 - 3. 12 * (9 7 / 1) = 24
 - 4. 12 * (1 * 9 7) = 24
 - 5. 12 * (9 / 1 7) = 24
 - 6. 1 * 12 * (9 7) = 24
 - 7. 12 * (9 7) / 1 = 24
- 389. [1, 7, 9, 13] 2 个解:
 - 1. (7-1) * (13-9) = 24
 - 2. (9 7) * (13 1) = 24
- 390. [1, 7, 10, 10] 无解
- 391. [1, 7, 10, 11] 无解
- 392. [1, 7, 10, 12] 2 个解:
 - 1. 12 * (10 (1 + 7)) = 24
 - $2. \ 10 \ / \ (1 7 \ / \ 12) = 24$
- 393. [1, 7, 10, 13] 1 个解:
 - 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] 1 个解:
 - 1. 12 * 12 / (7 1) = 24
- 398. [1, 7, 12, 13] 1 个解:
 - 1. 12 * (1 + 13) / 7 = 24
- 399. [1, 7, 13, 13] 1 个解:
 - 1. (13 * 13 1) / 7 = 24
- 400. [1, 8, 8, 8] 6 个解:
 - 1. 8 + 8 + 1 * 8 = 24

- 2. 8 + 8 + 8 / 1 = 24
- 3. 8 + 1 * (8 + 8) = 24
- 4. 8 + (8 + 8) / 1 = 24
- 5. 1 * (8 + 8 + 8) = 24
- 6. (8 + 8 + 8) / 1 = 24
- 401. [1, 8, 8, 9] 1 个解: 1. 8 + 8 + 9 - 1 = 24
- 402. [1, 8, 8, 10] 1 个解:
 - 1. 8 * (1 + 10 8) = 24
- 403. [1, 8, 8, 11] 6个解:
 - 1. 8 * (11 1 * 8) = 24
 - 2. 8 * (11 8 / 1) = 24
 - 3. 8 ***** (1 ***** 11 8) = 24
 - 4. 8 * (11 / 1 8) = 24
 - 5. 1 * 8 * (11 8) = 24
 - 6. 8 ***** (11 8) / 1 = 24
- 404. [1, 8, 8, 12] 3 个解:
 - 1. 8 * (12 (1 + 8)) = 24
 - 2. 12 * (1 + 8 / 8) = 24
 - 3. 8 / (1 8 / 12) = 24
- 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] 3 个解:
 - 1. (9-1) * (11-8) = 24
 - 2. 8 * (1 + 11 9) = 243. 9 / (11 / 8 - 1) = 24
- 409. [1, 8, 9, 12] 8 个解:
 - 1. 12 * (1 + 9 8) = 24
 - 2. 8 * (12 1 * 9) = 24
 - 3. 8 * (12 9 / 1) = 24
 - 4. 8 * (1 * 12 9) = 24
 - 5. 8 * (12 / 1 9) = 24
 - 6. 1 ***** 8 ***** (12 9) = 24
 - 7. 8 * (12 9) / 1 = 24
 - 8. 8 / (12 / 9 1) = 24
- 410. [1, 8, 9, 13] 1 个解:
 - 1. 8 * (13 (1 + 9)) = 24

- 411. [1, 8, 10, 10] 无解
- 412. [1, 8, 10, 11] 1 个解: 1. (10 - 8) * (1 + 11) = 24
- 413. [1, 8, 10, 12] 7 个解:
 - 1. 12 * (10 1 * 8) = 24
 - 2. 12 * (10 8 / 1) = 24
 - 3. 12 * (1 * 10 8) = 24
 - 4. 12 * (10 / 1 8) = 24
 - 5. 1 * 12 * (10 8) = 24
 - 6. 12 * (10 8) / 1 = 24
 - 7. 8 * (1 + 12 10) = 24
- 414. [1, 8, 10, 13] 7个解:
 - 1. 8 * (13 1 * 10) = 24
 - 2. 8 * (13 10 / 1) = 24
 - 3. (10 8) * (13 1) = 24
 - 4. 8 * (1 * 13 10) = 24
 - 5. 8 * (13 / 1 10) = 24
 - 6. 1 * 8 * (13 10) = 24
 - 7. 8 * (13 10) / 1 = 24
- 415. [1, 8, 11, 11] 无解
- 416. [1, 8, 11, 12] 1 个解: 1. 12 * (11 - (1 + 8)) = 24
- 417. [1, 8, 11, 13] 1 个解: 1. 8 * (1 + 13 - 11) = 24
- 418. [1, 8, 12, 12] 1 个解: 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] 2 个解:
 - 1. (9-1) * (12-9) = 24
 - 2. 12 * (1 + 9 / 9) = 24
- 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] 1 个解:
 - 1. 12 * (1 + 10 9) = 24
- 429. [1, 9, 10, 13] 1 个解:
 - 1. (9-1) * (13-10) = 24
- 430. [1, 9, 11, 11] 2 个解:
 - 1. (1 + 11) * (11 9) = 24
 - 2. (11 9) * (1 + 11) = 24
- 431. [1, 9, 11, 12] 6 个解:
 - 1. 12 * (11 1 * 9) = 24
 - 2. 12 * (11 9 / 1) = 24
 - 3. 12 * (1 * 11 9) = 24
 - 4. 12 * (11 / 1 9) = 24
 - 5. 1 * 12 * (11 9) = 24
 - 6. 12 * (11 9) / 1 = 24
- 432. [1, 9, 11, 13] 1 个解:
 - 1. (11 9) * (13 1) = 24
- 433. [1, 9, 12, 12] 1 个解:
 - 1. 12 * (12 (1 + 9)) = 24
- 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 个解:
 - 1. 12 * (1 + 10 / 10) = 24
- 439. [1, 10, 10, 13] 无解
- 440. [1, 10, 11, 11] 无解
- 441. [1, 10, 11, 12] 2 个解:
 - 1. (1 + 11) * (12 10) = 24
 - 2. 12 * (1 + 11 10) = 24
- 442. [1, 10, 11, 13] 无解

- 443. [1, 10, 12, 12] 6个解:
 - 1. 12 * (12 1 * 10) = 24
 - 2. 12 * (12 10 / 1) = 24
 - 3. 12 * (1 * 12 10) = 24
 - 4. 12 * (12 / 1 10) = 24
 - 5. 1 * 12 * (12 10) = 24
 - 6. 12 ***** (12 10) / 1 = 24
- 444. [1, 10, 12, 13] 2 个解:
 - 1. 12 * (13 (1 + 10)) = 24
 - 2. (12 10) * (13 1) = 24
- 445. [1, 10, 13, 13] 无解
- 446. [1, 11, 11, 11] 无解
- 447. [1, 11, 11, 12] 1 个解:
 - 1. 12 * (1 + 11 / 11) = 24
- 448. [1, 11, 11, 13] 2 个解:
 - 1. (1 + 11) * (13 11) = 242. 11 * (1 + 13 / 11) = 24
- 449. [1, 11, 12, 12] 1 个解:
 - 1. 12 * (1 + 12 11) = 24
- 450. [1, 11, 12, 13] 6个解:
 - 1. 12 * (13 1 * 11) = 24
 - 2. 12 * (13 11 / 1) = 24
 - 3. 12 * (1 * 13 11) = 24
 - 4. 12 * (13 / 1 11) = 24
 - 5. 1 * 12 * (13 11) = 24
 - 6. 12 * (13 11) / 1 = 24
- 451. [1, 11, 13, 13] 3 个解:
 - 1. (13 1) * (13 11) = 24
 - 2. (13 11) * (13 1) = 24
 - 3. 13 * (1 + 11 / 13) = 24
- 452. [1, 12, 12, 12] 1 个解: 1. 12 * (1 + 12 / 12) = 24
- 453. [1, 12, 12, 13] 1 个解: 1. 12 * (1 + 13 - 12) = 24
- 454. [1, 12, 13, 13] 1 个解:
 - 1. 12 * (1 + 13 / 13) = 24

- 455. [1, 13, 13, 13] 无解
- 456. [2, 2, 2, 2] 无解
- 457. [2, 2, 2, 3] 2 个解:
 - 1. 2 * 3 * (2 + 2) = 24
 - 2. 2 * 2 * 2 * 3 = 24
- 458. [2, 2, 4] 4个解:
 - 1. (2 + 2) * (2 + 4) = 24
 - $2. \ 4 * (2 + 2 * 2) = 24$
 - 3. 4 * (2 + 2 + 2) = 24
 - 4. 2 * 2 * (2 + 4) = 24
- 459. [2, 2, 2, 5] 1 个解:
 - 1. 2 * (2 + 2 * 5) = 24
- 460. [2, 2, 2, 6] 无解
- 461. [2, 2, 2, 7] 1 个解:
- 1. 2 * (2 * 7 2) = 24
- 462. [2, 2, 2, 8] 5 个解:
 - 1. (2 + 2) * (8 2) = 24
 - $2. \ 2 * (8 + 2 * 2) = 24$
 - 3. 8 * (2 + 2 / 2) = 24
 - 4. 2 * 2 * (8 2) = 24
 - 5. 2 * (2 + 2 + 8) = 24
- 463. [2, 2, 2, 9] 1 个解:
 - 1. 2 + 2 * (2 + 9) = 24
- 464. [2, 2, 2, 10] 2 个解:
 - 1. 2 * 2 + 2 * 10 = 24
 - $2. \ 2 + 2 + 2 * 10 = 24$
- 465. [2, 2, 2, 11] 2 个解:
 - 1. 2 * (11 + 2 / 2) = 24
 - $2. \ 2 * (2 + 11) 2 = 24$
- 466. [2, 2, 2, 12] 6 个解:
 - 1. 12 * (2 + 2 2) = 24
 - 2. 12 * (2 + 2) / 2 = 24
 - 3. 12 * (2 * 2 2) = 24
 - $4. \ 2 * (2 + 12 2) = 24$
 - 5. 2 + 2 * 12 2 = 24
 - 6. 2 * 2 * 12 / 2 = 24
- 467. [2, 2, 2, 13] 2 个解:

- 1. 2 * (13 2 / 2) = 24
- $2. \ 2 + 2 * (13 2) = 24$
- 468. [2, 2, 3, 3] 3 个解:
 - 1. (2 + 2) * (3 + 3) = 24
 - $2. \ 3 * (2 + 2 * 3) = 24$
 - $3. \ 2 * 2 * (3 + 3) = 24$
- 469. [2, 2, 3, 4] 2 个解:
 - 1. 3 * (4 + 2 * 2) = 24
 - $2. \ 3 * (2 + 2 + 4) = 24$
- 470. [2, 2, 3, 5] 1 个解:
 - 1. 3 * (2 * 5 2) = 24
- 471. [2, 2, 3, 6] 4 个解:
 - 1. 6 * (3 + 2 / 2) = 24
 - $2. \ 6 * (2 * 3 2) = 24$
 - $3. \ 2 * (6 + 2 * 3) = 24$
 - 4. 2 * 3 * (6 2) = 24
- 472. [2, 2, 3, 7] 2 个解:
 - 1. 3 * (7 + 2 / 2) = 24
 - $2. \ 2 * (2 + 3 + 7) = 24$
- 473. [2, 2, 3, 8] 5 个解:
 - 1. 8 * (2 + 3 2) = 24
 - $2. \ 3 * (2 + 8 2) = 24$
 - $3. \ 2 + 2 * (3 + 8) = 24$
 - 4. 2 + 3 * 8 2 = 24
 - 5. 2 ***** 3 ***** 8 / 2 = 24
- 474. [2, 2, 3, 9] 5个解:
 - 1. (2 + 2) * (9 3) = 24
 - $2. \ 3 * (9 2 / 2) = 24$
 - 3. 2 * 3 + 2 * 9 = 24
 - 4. 9 * (2 + 2 / 3) = 24
 - 5. 2 * 2 * (9 3) = 24
- 475. [2, 2, 3, 10] 1 个解:
 - 1. 2 * (3 + 10) 2 = 24
- 476. [2, 2, 3, 11] 1 个解:
 - 1. 2 * (3 + 11 2) = 24
- 477. [2, 2, 3, 12] 9 个解:
 - 1. 12 + 3 ***** (2 + 2) = 24
 - $2. \ 3 * (12 (2 + 2)) = 24$
 - 3. 3 * (12 2 * 2) = 24

- 4. 12 * (3 2 / 2) = 24
- 5. 2 * 12 / (3 2) = 24
- 6. 2 * 12 * (3 2) = 24
- 7. 12 / (2 3 / 2) = 24
- 8. 12 + 2 * 2 * 3 = 24
- 9. 3 * (2 + 12 / 2) = 24
- 478. [2, 2, 3, 13] 1 个解:
 - 1. 2 * (2 + 13 3) = 24
- 479. [2, 2, 4, 4] 2 个解:
 - 1. 4 * (2 * 4 2) = 24
 - $2. \ 2 * (4 + 2 * 4) = 24$
- 480. [2, 2, 4, 5] 6 个解:
 - 1. 4 + 5 * (2 + 2) = 24
 - 2. 2 ***** 2 + 4 ***** 5 = 24
 - 3. 4 * (5 + 2 / 2) = 24
 - 4. 2 * 4 * (5 2) = 24
 - 5. 4 + 2 * 2 * 5 = 24
 - $6. \ \ 2 + 2 + 4 * 5 = 24$
- 481. [2, 2, 4, 6] 8个解:
 - 1. (2 + 4) * (6 2) = 24
 - 2. 6 * (2 + 4 2) = 24
 - 3. 2 * 6 * (4 2) = 24
 - 4. 6 * (2 + 4 / 2) = 24
 - 5. 4 * (2 + 6 2) = 24
 - 6. 2 * (2 + 4 + 6) = 24
 - 7. 2 + 4 * 6 2 = 24
 - 8. 2 * 4 * 6 / 2 = 24
- 482. [2, 2, 4, 7] 6 个解:
 - 1. 4 * 7 (2 + 2) = 24
 - 2. 7 * (2 + 2) 4 = 24
 - 3. 4 * 7 2 * 2 = 24
 - 4. 4 * (7 2 / 2) = 24
 - 5. 2 * 2 * 7 4 = 24
 - 6. 2 + 2 * (4 + 7) = 24
- 483. [2, 2, 4, 8] 8 个解:
 - 1. 8 + 4 * (2 + 2) = 24
 - 2. 8 * (4 2 / 2) = 24
 - 3. 8 * (2 + 4) / 2 = 24
 - 4. 2 ***** 4 + 2 ***** 8 = 24
 - 5. 8 + 2 * 2 * 4 = 24
 - 6. 4 + 2 * (2 + 8) = 24
 - 7. 2 * (2 * 8 4) = 24
 - 8. 4 * (2 + 8 / 2) = 24

- 484. [2, 2, 4, 9] 2个解:
 - 1. 2 + 4 + 2 * 9 = 24
 - $2. \ 2 * (4 + 9) 2 = 24$
- 485. [2, 2, 4, 10] 8 个解:
 - 1. (2 + 2) * (10 4) = 24
 - $2. \ 4 * (10 (2 + 2)) = 24$
 - 3. 4 * (10 2 * 2) = 24
 - 4. (4-2) * (2+10) = 24
 - 5. 2 * (10 + 4 / 2) = 24
 - 6. 4 * (2 + 10) / 2 = 24
 - 7. 2 * (4 + 10 2) = 24
 - 8. 2 * 2 * (10 4) = 24
- 486. [2, 2, 4, 11] 4 个解:
 - 1. 2 + 11 * (4 2) = 24
 - $2. \ 4 \ / \ 2 \ + \ 2 \ * \ 11 \ = \ 24$
 - 3. 4 + 2 * 11 2 = 24
 - 4. 2 + 4 * 11 / 2 = 24
- 487. [2, 2, 4, 12] 3 个解:
 - 1. 12 + 2 * (2 + 4) = 24
 - $2. \ 2 * (2 + 12) 4 = 24$
 - 3. 4 + 2 * (12 2) = 24
- 488. [2, 2, 4, 13] 4 个解:
 - 1. 13 * (4 2) 2 = 24
 - 2. 2 * 13 4 / 2 = 24
 - 3. 2 + 2 * 13 4 = 24
 - 4. 4 * 13 / 2 2 = 24
- 489. [2, 2, 5, 5] 2 个解:
 - 1. 5 * 5 2 / 2 = 24
 - $2. \ 2 * (2 + 5 + 5) = 24$
- 490. [2, 2, 5, 6] 3 个解:
 - 1. 6 * (5 2 / 2) = 24
 - 2. (5-2) * (2+6) = 24
 - 3. 2 + 2 * (5 + 6) = 24
- 491. [2, 2, 5, 7] 1 个解:
 - 1. 2 * 5 + 2 * 7 = 24
- 492. [2, 2, 5, 8] 1 个解:
 - 1. 2 * (5 + 8) 2 = 24
- 493. [2, 2, 5, 9] 1 个解:
 - 1. 2 * (5 + 9 2) = 24

- 494. [2, 2, 5, 10] 4 个解:
 - 1. 10 + 2 * (2 + 5) = 24
 - 2. (5-2) * (10-2) = 24
 - 3. 10 * (2 + 2 / 5) = 24
 - 4. (5 * 10 2) / 2 = 24
- 495. [2, 2, 5, 11] 2 个解:
 - 1. (2 + 2) * (11 5) = 24
 - $2. \ 2 * 2 * (11 5) = 24$
- 496. [2, 2, 5, 12] 2 个解:
 - 1. 2 + 12 + 2 * 5 = 24
 - 2. 12 / (5 / 2 2) = 24
- 497. [2, 2, 5, 13] 无解
- 498. [2, 2, 6, 6] 2 个解:
 - 1. 6 * (2 + 6) / 2 = 24
 - $2. \ 2 * 6 + 2 * 6 = 24$
- 499. [2, 2, 6, 7] 2 个解:
 - 1. 6 + 2 * (2 + 7) = 24
 - $2. \ 2 * (6 + 7) 2 = 24$
- 500. [2, 2, 6, 8] 6 个解:
 - 1. 6 * (8 (2 + 2)) = 24
 - 2. 6 * (8 2 * 2) = 24
 - 3. 8 + 2 * (2 + 6) = 24
 - 4. (6-2) * (8-2) = 24
 - 5. 2 + 6 + 2 * 8 = 24
 - 6. 2 * (6 + 8 2) = 24
- 501. [2, 2, 6, 9] 2 个解:
 - 1. 2 * (9 + 6 / 2) = 24
 - $2. \ 2 * (2 * 9 6) = 24$
- 502. [2, 2, 6, 10] 3 个解:
 - 1. 2 + 10 + 2 * 6 = 24
 - 2. 6 * (10 2) / 2 = 24
 - 3. 6 + 2 * 10 2 = 24
- 503. [2, 2, 6, 11] 1 个解:
 - 1. 6 + 2 * (11 2) = 24
- 504. [2, 2, 6, 12] 7 个解:
 - 1. (2 + 2) * (12 6) = 24
 - 2. 12 * (6 (2 + 2)) = 24
 - 3. 12 * (6 2 * 2) = 24

- 4. 12 * (6 2) / 2 = 24
- 5. 6 ***** (12 / 2 2) = 24
- 6. 2 * (6 + 12 / 2) = 24
- 7. 2 * 2 * (12 6) = 24
- 505. [2, 2, 6, 13] 1 个解:
 - 1. 2 * (2 + 13) 6 = 24
- 506. [2, 2, 7, 7] 1 个解:
 - 1. 2 * (7 + 7 2) = 24
- 507. [2, 2, 7, 8] 3 个解:
 - 1. 8 * (7 (2 + 2)) = 24
 - 2. 8 * (7 2 * 2) = 24
 - 3. 2 + 8 + 2 * 7 = 24
- 508. [2, 2, 7, 9] 无解
- 509. [2, 2, 7, 10] 1 个解:
 - 1. 2 * (7 + 10 / 2) = 24
- 510. [2, 2, 7, 11] 无解
- 511. [2, 2, 7, 12] 1 个解:
 - 1. 12 + 2 * 7 2 = 24
- 512. [2, 2, 7, 13] 4个解:
 - 1. (2 + 2) * (13 7) = 24
 - 2. 7 + 13 + 2 * 2 = 24
 - $3. \ 2 + 2 + 7 + 13 = 24$
 - 4. 2 * 2 * (13 7) = 24
- 513. [2, 2, 8, 8] 4 个解:
 - 1. 8 * (2 + 2) 8 = 24
 - 2. 8 * (8 2) / 2 = 24
 - $3. \ 2 * (8 + 8 / 2) = 24$
 - 4. 2 * 2 * 8 8 = 24
- 514. [2, 2, 8, 9] 1 个解:
 - 1. 8 + 2 * 9 2 = 24
- 515. [2, 2, 8, 10] 5 个解:
 - 1. 10 + 2 * 8 2 = 24
 - 2. 8 / 2 + 2 * 10 = 24
 - 3. 8 + 2 * (10 2) = 24
 - 4. 2 * (2 * 10 8) = 24
 - 5. 8 * (10 / 2 2) = 24
- 516. [2, 2, 8, 11] 无解

- 517. [2, 2, 8, 12] 6 个解:
 - 1. 8 * 12 / (2 + 2) = 24
 - 2. 8 * 12 / (2 * 2) = 24
 - 3. 8 + 12 + 2 * 2 = 24
 - 4. 12 + 2 * (8 2) = 24
 - 5. 12 * (8 / 2 2) = 24
 - 6. 2 + 2 + 8 + 12 = 24
- 518. [2, 2, 8, 13] 无解
- 519. [2, 2, 9, 9] 无解
- 520. $[2, 2, 9, 10] 1 \land \text{#}:$ 1. 10 + 2 * (9 - 2) = 24
- 521. [2, 2, 9, 11] 2 个解:
 - 1. 9 + 11 + 2 * 2 = 24
 - $2. \ 2 + 2 + 9 + 11 = 24$
- 522. [2, 2, 9, 12] 3 个解:
 - 1. 9 * (2 + 2) 12 = 24
 - $2. \ 2 * 9 + 12 / 2 = 24$
 - 3. 2 * 2 * 9 12 = 24
- 523. [2, 2, 9, 13] 无解
- 524. [2, 2, 10, 10] 2 个解:
 - 1. 10 + 10 + 2 * 2 = 24
 - 2. 2 + 2 + 10 + 10 = 24
- 525. [2, 2, 10, 11] 1 个解:
 - 1. 2 * (2 * 11 10) = 24
- 526. [2, 2, 10, 12] 无解
- 527. [2, 2, 10, 13] 1 个解:
 - 1. 10 + 13 + 2 / 2 = 24
- 528. [2, 2, 11, 11] 1 个解:
 - 1. 11 * (2 + 2 / 11) = 24
- 529. [2, 2, 11, 12] 1 个解:
 - 1. 11 + 12 + 2 / 2 = 24
- 530. [2, 2, 11, 13] 4 个解:
 - 1. 13 + 2 * 11 / 2 = 24
 - 2. 11 + 2 * 13 / 2 = 24
 - $3. \ 2 + 11 + 13 2 = 24$

- 4. 2 ***** (11 + 13) / 2 = 24
- 531. [2, 2, 12, 12] 4 个解:
 - 1. 12 + 2 * 12 / 2 = 24
 - 2. 2 * (2 * 12 12) = 24
 - $3. \ 2 + 12 + 12 2 = 24$
 - 4. 2 ***** (12 + 12) / 2 = 24
- 532. [2, 2, 12, 13] 1 个解:
 - 1. 12 + 13 2 / 2 = 24
- 533. [2, 2, 13, 13] 1 个解:
 - 1. 13 * (2 2 / 13) = 24
- 534. [2, 3, 3, 3] 2 个解:
 - 1. 3 * (2 + 3 + 3) = 24
 - $2. \ 2 * (3 + 3 * 3) = 24$
- 535. [2, 3, 3, 4] 无解
- 536. [2, 3, 3, 5] 2 个解:
 - 1. 3 + 3 * (2 + 5) = 24
 - 2. 2 * (3 * 5 3) = 24
- 537. [2, 3, 3, 6] 5 个解:
 - 1. 2 ***** 3 + 3 ***** 6 = 24
 - 2. (3 + 3) * (6 2) = 24
 - 3. 6 * (3 + 3 2) = 24
 - 4. 6 + 2 * 3 * 3 = 24
 - 5. 2 * (3 + 3 + 6) = 24
- 538. [2, 3, 3, 7] 3 个解:
 - 1. 3 * (2 + 7) 3 = 24
 - 2. 3 * (3 + 7 2) = 24
 - 3. 2 * 3 * (7 3) = 24
- 539. [2, 3, 3, 8] 5 个解:
 - 1. 3 * 8 / (3 2) = 24
 - $2. \ 3 * 8 * (3 2) = 24$
 - 3. 8 * (2 * 3 3) = 24
 - 4. 8 * (3 + 3) / 2 = 24
 - 5. 8 * (2 + 3 / 3) = 24
- 540. [2, 3, 3, 9] 4 个解:
 - 1. 9 + 3 * (2 + 3) = 24
 - $2. \ 3 * (2 + 9 3) = 24$
 - 3. 3 + 3 * (9 2) = 24
 - $4. \ \ 3 + 3 + 2 * 9 = 24$

- 541. [2, 3, 3, 10] 2 个解:
 - 1. 3 * 10 2 * 3 = 24
 - $2. \ 3 * (3 + 10 / 2) = 24$
- 542. [2, 3, 3, 11] 2 个解:
 - 1. 2 * (11 + 3 / 3) = 24
 - $2. \ 3 * (11 2) 3 = 24$
- 543. [2, 3, 3, 12] 5 个解:
 - 1. 12 * (2 + 3 3) = 24
 - 2. 12 + 2 * (3 + 3) = 24
 - $3. \ 3 + 2 * 12 3 = 24$
 - 4. 2 * (3 + 12 3) = 24
 - 5. 2 ***** 3 ***** 12 / 3 = 24
- 544. [2, 3, 3, 13] 4 个解:
 - 1. 3 * (13 (2 + 3)) = 24
 - $2. \ 2 + 13 + 3 * 3 = 24$
 - $3. \ 2 * (13 3 / 3) = 24$
 - 4. 3 * (3 + 13) / 2 = 24
- 545. [2, 3, 4, 4] 3 个解:
 - 1. 4 + 4 * (2 + 3) = 24
 - 2. 3 * 4 * (4 2) = 24
 - 3. 3 * 4 * 4 / 2 = 24
- 546. [2, 3, 4, 5] 2 个解:
 - 1. 4 * (3 + 5 2) = 24
 - $2. \ 2 * (3 + 4 + 5) = 24$
- 547. [2, 3, 4, 6] 10 个解:
 - 1. 4 * 6 / (3 2) = 24
 - $2. \ 4 * 6 * (3 2) = 24$
 - 3. 6 + 3 * (2 + 4) = 24
 - 4. 3 * (6 + 4 / 2) = 24
 - 5. 3 ***** 4 + 2 ***** 6 = 24
 - 6. 3 * (2 * 6 4) = 24
 - 7. 4 * (3 + 6 / 2) = 24
 - 8. 2 * 4 * (6 3) = 249. 2 + 4 + 3 * 6 = 24
 - 10. 3 * (4 + 6 2) = 24
 - 10. 5 * (4 * 0 2) 2-
- 548. [2, 3, 4, 7] 3 个解:
 - 1. (2 + 4) * (7 3) = 24
 - $2. \ 4 * (2 + 7 3) = 24$
 - 3. 4 + 2 * (3 + 7) = 24
- 549. [2, 3, 4, 8] 3 个解:
 - 1. 8 * (2 + 4 3) = 24

- $2. \ 3 * (4 + 8 / 2) = 24$
- 3. 2 * 3 * (8 4) = 24
- 550. [2, 3, 4, 9] 3 个解:
 - 1. (4-2) * (3+9) = 24
 - $2. \ 4 * (3 + 9) / 2 = 24$
 - 3. 2 * 4 * 9 / 3 = 24
- 551. [2, 3, 4, 10] 5 个解:
 - 1. 3 * 10 (2 + 4) = 24
 - 2. 3 * (10 4 / 2) = 24
 - 3. 10 + 2 * (3 + 4) = 24
 - 4. 2 + 10 + 3 * 4 = 24
 - 5. 3 * (2 + 10 4) = 24
- 552. [2, 3, 4, 11] 3 个解:
 - 1. 4 * (11 (2 + 3)) = 24
 - $2. \ 2 * (3 + 11) 4 = 24$
 - $3. \ 2 * (4 + 11 3) = 24$
- 553. [2, 3, 4, 12] 7个解:
 - 1. 12 * (2 * 3 4) = 24
 - $2. \ 4 * (12 2 * 3) = 24$
 - 3. 12 * (2 + 4) / 3 = 24
 - 4. 2 * 12 / (4 3) = 24
 - 5. 2 * 12 * (4 3) = 24
 - 6. 4 * (2 + 12 / 3) = 24
 - 7. 3 * (4 + 12) / 2 = 24
- 554. [2, 3, 4, 13] 3 个解:
 - 1. 3 + 13 + 2 * 4 = 24
 - $2. \ 2 * (3 + 13 4) = 24$
 - $3. \ 4 + 2 * (13 3) = 24$
- 555. [2, 3, 5, 5] 4 个解:
 - 1. (5-2) * (3+5) = 24
 - 2. (3 + 5) * (5 2) = 24
 - 3. 3 * (5 + 5 2) = 24
 - 4. 2 + 5 * 5 3 = 24
- 556. [2, 3, 5, 6] 6 个解:
 - 1. 5 ***** 6 2 ***** 3 = 24
 - 2. 6 * (2 + 5 3) = 24
 - 3. 6 * (3 + 5) / 2 = 24
 - 4. 2 * 6 * (5 3) = 24
 - 5. 2 * 3 * 5 6 = 24
 - 6. 3 * (5 + 6 / 2) = 24
- 557. [2, 3, 5, 7] 3 个解:

- 1. 3 + 7 * (5 2) = 24
- 2. 2 + 7 + 3 * 5 = 24
- 3. 5 + 3 * 7 2 = 24
- 558. [2, 3, 5, 8] 3 个解:
 - 1. 8 + 2 * (3 + 5) = 24
 - 2. 8 / (2 5 / 3) = 24
 - 3. 3 + 5 + 2 * 8 = 24
- 559. [2, 3, 5, 9] 4 个解:
 - 1. 9 * (5 2) 3 = 24
 - 2. 2 + 3 * 9 5 = 24
 - $3. \ 2 * 3 * (9 5) = 24$
 - 4. (3 + 5 * 9) / 2 = 24
- 560. [2, 3, 5, 10] 2 个解:
 - 1. (5-3) * (2+10) = 24
 - $2. \ 2 * (5 + 10 3) = 24$
- 561. [2, 3, 5, 11] 7个解:
 - 1. (5-2) * (11-3) = 24
 - $2. \ 3 + 11 + 2 * 5 = 24$
 - $3. \ 2 + 11 * (5 3) = 24$
 - 4. 11 + 3 * 5 2 = 24
 - $5. \ 3 * (2 + 11 5) = 24$
 - 6. 5 + 2 * 11 3 = 24
 - 7. 3 * (5 + 11) / 2 = 24
- 562. [2, 3, 5, 12] 1 个解:
 - 1. 12 / (3 5 / 2) = 24
- 563. [2, 3, 5, 13] 3 个解:
 - 1. 5 + 13 + 2 * 3 = 24
 - 2. 13 * (5 3) 2 = 24
 - 3. 3 + 2 * 13 5 = 24
- 564. [2, 3, 6, 6] 7个解:
 - 1. 6 * (2 + 3) 6 = 24
 - $2. \quad (2 + 6) * (6 3) = 24$
 - 3. 6 + 2 * (3 + 6) = 24
 - 4. (6 3) * (2 + 6) = 24
 - 5. 2 * (3 * 6 6) = 24
 - 6. 6 * (2 + 6 / 3) = 24
 - 7. 2 * 6 * 6 / 3 = 24
- 565. [2, 3, 6, 7] 3 个解:
 - 1. 6 / 2 + 3 * 7 = 24
 - $2. \ 3 * (2 * 7 6) = 24$
 - 3. 3 + 6 * 7 / 2 = 24

- 566. [2, 3, 6, 8] 3 个解:
 - 1. 8 + 3 * 6 2 = 24
 - $2. \ 3 * (2 + 8) 6 = 24$
 - 3. 6 + 3 * (8 2) = 24
- 567. [2, 3, 6, 9] 8 个解:
 - 1. 6 * (9 (2 + 3)) = 24
 - 2. 9 * (2 + 6) / 3 = 24
 - 3. (6 2) * (9 3) = 24
 - 4. 3 + 9 + 2 * 6 = 24
 - 5. 9 * (3 2 / 6) = 24
 - 6. 3 * 9 6 / 2 = 24
 - $7. \ 2 * (6 + 9 3) = 24$
 - 8. 6 * 9 / 2 3 = 24
- 568. [2, 3, 6, 10] 6 个解:
 - 1. 6 * (10 2 * 3) = 24
 - 2. (6 3) * (10 2) = 24
 - 3. 2 * (10 + 6 / 3) = 24
 - 4. 6 * (2 + 10) / 3 = 24
 - 5. 3 * (6 + 10) / 2 = 246. 2 * 3 * (10 - 6) = 24
- 569. [2, 3, 6, 11] 4 个解:
 - 1. 3 * (11 6 / 2) = 24
 - 2. 6 / 3 + 2 * 11 = 24
 - 3. 6 * (11 3) / 2 = 24
 - 4. 2 + 6 * 11 / 3 = 24
- 570. [2, 3, 6, 12] 10 个解:
 - 1. 6 + 12 + 2 * 3 = 24
 - 2. 12 + 3 * (6 2) = 24
 - 3. 3 * 12 2 * 6 = 24
 - 4. 3 * 6 + 12 / 2 = 24
 - 5. 2 ***** 3 ***** 6 12 = 24
 - 6. 3 * (2 + 12 6) = 247. 3 * (12 - 2) - 6 = 24
 - 8. 2 * (3 + 12) 6 = 24
 - 9. 6 + 2 * (12 3) = 24
 - 10. 6 + 3 * 12 / 2 = 24
- 571. [2, 3, 6, 13] 3 个解:
 - 1. 2 * 13 6 / 3 = 24
 - $2. \ 2 + 3 + 6 + 13 = 24$
 - 3. 6 ***** 13 / 3 2 = 24
- 572. [2, 3, 7, 7] 1 个解:
 - 1. 3 + 7 + 2 * 7 = 24

- 573. [2, 3, 7, 8] 4 个解:
 - 1. 8 * (2 + 7) / 3 = 24
 - 2. (7 3) * (8 2) = 24
 - 3. 8 / (7 / 3 2) = 24
 - $4. \ 2 * (7 + 8 3) = 24$
- 574. [2, 3, 7, 9] 3 个解:
 - 1. 9 + 3 * (7 2) = 24
 - $2. \ 2 * (3 * 7 9) = 24$
 - 3. 3 * (7 + 9) / 2 = 24
- 575. [2, 3, 7, 10] 2 个解:
 - 1. 7 + 2 * 10 3 = 24
 - 2. (2 + 7 * 10) / 3 = 24
- 576. [2, 3, 7, 11] 4 个解:
 - 1. 7 * (2 + 3) 11 = 24
 - 2. 7 + 11 + 2 * 3 = 24
 - 3. 3 * 11 (2 + 7) = 24
 - 4. 2 * 3 * (11 7) = 24
- 577. [2, 3, 7, 12] 4 个解:
 - 1. 12 * (7 (2 + 3)) = 24
 - 2. 12 / (7 / 2 3) = 24
 - 3. 12 * (7 3) / 2 = 24
 - $4. \quad 2 + 3 + 7 + 12 = 24$
- 578. [2, 3, 7, 13] 2 个解:
 - 1. 13 + 2 * 7 3 = 24
 - $2. \ 3 * (2 + 13 7) = 24$
- 579. [2, 3, 8, 8] 3 个解:
 - 1. 8 * (8 (2 + 3)) = 24
 - $2. \ 3 * (2 * 8 8) = 24$
 - 3. 3 * (8 + 8) / 2 = 24
- 580. [2, 3, 8, 9] 2 个解:
 - 1. 8 * (9 2 * 3) = 24
 - 2. 8 * (9 3) / 2 = 24
- 581. [2, 3, 8, 10] 2 个解:
 - 1. 8 + 10 + 2 * 3 = 24
 - 2. 2 + 3 * 10 8 = 24
- 582. [2, 3, 8, 11] 4 个解:
 - 1. 11 + 2 * 8 3 = 24
 - 2. 8 * (11 2) / 3 = 24
 - 3. 8 + 2 * (11 3) = 24

- $4. \ 2 + 3 + 8 + 11 = 24$
- 583. [2, 3, 8, 12] 8 个解:
 - 1. 12 * (8 2 * 3) = 24
 - 2. 12 * (8 2) / 3 = 24
 - 3. 3 * (12 8 / 2) = 24
 - 4. 12 + 3 ***** 8 / 2 = 24
 - 5. 2 * (3 * 8 12) = 24
 - 6. 8 * (12 / 2 3) = 24
 - 7. 2 * (8 + 12 / 3) = 24
 - 8. 2 * 3 * (12 8) = 24
- 584. [2, 3, 8, 13] 1 个解:
 - 1. 2 * (3 + 13) 8 = 24
- 585. [2, 3, 9, 9] 4 个解:
 - 1. 9 + 9 + 2 * 3 = 24
 - $2. \ 3 * (2 + 9) 9 = 24$
 - 3. 9 + 2 * 9 3 = 24
 - 4. 2 * (9 + 9 / 3) = 24
- 586. [2, 3, 9, 10] 4 个解:
 - 1. 3 * (2 * 9 10) = 24
 - 2. 9 * (10 2) / 3 = 24
 - 3. 9 + 3 * 10 / 2 = 24
 - $4. \quad 2 + 3 + 9 + 10 = 24$
- 587. [2, 3, 9, 11] 无解
- 588. [2, 3, 9, 12] 1 个解:
 - 1. 12 + 2 * (9 3) = 24
- 589. [2, 3, 9, 13] 3 个解:
 - 1. 3 * (13 2) 9 = 24
 - 2. (9 + 3 * 13) / 2 = 24
 - 3. 2 * 3 * (13 9) = 24
- 590. [2, 3, 10, 10] 1 个解:
 - 1. 10 + 2 * (10 3) = 24
- 591. [2, 3, 10, 11] 无解
- 592. [2, 3, 10, 12] 7个解:
 - 1. 10 * 12 / (2 + 3) = 24
 - $2. \ 3 * 12 (2 + 10) = 24$
 - $3. \ 3 * (2 + 10) 12 = 24$
 - 4. 2 ***** 10 + 12 / 3 = 24
 - 5. 3 * (2 * 10 12) = 24
 - 6. 12 * (10 / 2 3) = 24

- 7. 3 * 10 12 / 2 = 24
- 593. [2, 3, 10, 13] 2 个解:
 - 1. 3 * (13 10 / 2) = 24
 - $2. \ \ 3 \ + \ 10 \ + \ 13 \ \ 2 \ = \ 24$
- 594. [2, 3, 11, 11] 1 个解:
 - 1. 2 + 3 * 11 11 = 24
- 595. [2, 3, 11, 12] 1 个解:
- $1. \ 3 + 11 + 12 2 = 24$
- 596. [2, 3, 11, 13] 6个解:
 - 1. (3-2) * (11+13) = 24
 - 2. (11 + 13) / (3 2) = 24
 - 3. 13 + 11 * (3 2) = 24
 - 4. 13 + 11 / (3 2) = 24
 - 5. 11 + 13 * (3 2) = 24
 - 6. 11 + 13 / (3 2) = 24
- 597. [2, 3, 12, 12] 7个解:
 - 1. (3-2) * (12 + 12) = 24
 - 2. (12 + 12) / (3 2) = 24
 - 3. 12 + 12 * (3 2) = 24
 - 4. 12 + 12 / (3 2) = 24
 - 5. 12 * 12 / (2 * 3) = 24
 - 6. (12 + 3 * 12) / 2 = 24
 - 7. 12 * (12 / 3 2) = 24
- 598. [2, 3, 12, 13] 1 个解:
 - $1. \ 2 + 12 + 13 3 = 24$
- 599. [2, 3, 13, 13] 1 个解:
 - 1. 3 * 13 (2 + 13) = 24
- 600. [2, 4, 4, 4] 6 个解:
 - 1. 2 ***** 4 + 4 ***** 4 = 24
 - $2. \ 4 * (4 + 4 / 2) = 24$
 - $3. \ 4 * (4 + 4 2) = 24$
 - 4. 4 * 4 + 2 * 4 = 24
 - 5. 2 * (4 * 4 4) = 24
 - 6. 2 * (4 + 4 + 4) = 24
- 601. [2, 4, 4, 5] 3 个解:
 - 1. (4 + 4) * (5 2) = 24
 - $2. \ 4 * (2 + 5) 4 = 24$
 - 3. 4 * (2 * 5 4) = 24
- 602. [2, 4, 4, 6] 4 个解:

- 1. 6 * (2 * 4 4) = 24
- 2. 6 * (4 + 4) / 2 = 24
- $3. \ 2 + 6 + 4 * 4 = 24$
- $4. \ 4 + 2 * (4 + 6) = 24$
- 603. [2, 4, 4, 7] 2 个解:
 - 1. 4 + 4 * (7 2) = 24
 - $2. \ 2 * 4 * (7 4) = 24$
- 604. [2, 4, 4, 8] 10 个解:
 - 1. (2 + 4) * (8 4) = 24
 - 2. (4 2) * (4 + 8) = 24
 - 3. 4 ***** 8 2 ***** 4 = 24
 - 4. 4 * (8 4 / 2) = 24
 - 5. 8 + 2 * (4 + 4) = 24
 - 6. 2 ***** 4 ***** 4 8 = 24
 - 7. 8 * (2 + 4 / 4) = 24
 - 8. 4 * (2 + 8 4) = 24
 - 9. 4 + 4 + 2 * 8 = 24
 - 10. 4 * (4 + 8) / 2 = 24
- 605. [2, 4, 4, 9] 1 个解:
 - 1. 4 * (9 2) 4 = 24
- 606. [2, 4, 4, 10] 4 个解:
 - 1. 4 + 10 * (4 2) = 24
 - $2. \ 10 + 4 * 4 2 = 24$
 - 3. 2 * (4 + 10) 4 = 24
 - 4. 4 + 4 * 10 / 2 = 24
- 607. [2, 4, 4, 11] 2 个解:
 - 1. 2 * (11 + 4 / 4) = 24
 - 2. (4 + 4 * 11) / 2 = 24
- 608. [2, 4, 4, 12] 8 个解:
 - 1. 12 * (2 + 4 4) = 24
 - $2. \ 4 * (12 (2 + 4)) = 24$
 - 3. 4 * 12 / (4 2) = 24
 - $4. \ 4 + 12 + 2 * 4 = 24$
 - 5. 12 * (4 4 / 2) = 24
 - 6. 4 + 2 * 12 4 = 24
 - 7. 2 * (4 + 12 4) = 24
 - 8. 2 * 4 * 12 / 4 = 24
- 609. [2, 4, 4, 13] 2 个解:
 - 1. 2 * (13 4 / 4) = 24
 - 2. (4 * 13 4) / 2 = 24
- 610. [2, 4, 5, 5] 1 个解:

- 1. 4 + 2 * (5 + 5) = 24
- 611. [2, 4, 5, 6] 5 个解:
 - 1. 5 * 6 (2 + 4) = 24
 - 2. 5 * (2 + 4) 6 = 24
 - 3. 6 + 2 * (4 + 5) = 24
 - 4. 6 + 4 * 5 2 = 24
 - 5. 4 + 5 * (6 2) = 24
- 612. [2, 4, 5, 7] 2 个解:
 - 1. (4-2) * (5+7) = 24
 - $2. \ 4 * (5 + 7) / 2 = 24$
- 613. [2, 4, 5, 8] 7 个解:
 - 1. 8 * (2 * 4 5) = 24
 - 2. 8 * (5 4 / 2) = 24
 - 3. 8 * (2 + 5 4) = 24
 - 4. 4 * 5 + 8 / 2 = 24
 - $5. \ 2 * (4 * 5 8) = 24$
 - 6. 2 * 4 * (8 5) = 24
 - 7. 4 + 5 * 8 / 2 = 24
- 614. [2, 4, 5, 9] 3 个解:
 - 1. (2 + 4) * (9 5) = 24
 - 2. 4 * (2 + 9 5) = 24
 - $3. \ 2 * (5 + 9) 4 = 24$
- 615. [2, 4, 5, 10] 1 个解:
 - 1. 4 + 10 + 2 * 5 = 24
- 616. [2, 4, 5, 11] 2 个解:
 - 1. 5 + 11 + 2 * 4 = 24
 - $2. \ 2 * (5 + 11 4) = 24$
- 617. [2, 4, 5, 12] 4 个解:
 - 1. (5-2) * (12-4) = 24
 - 2. 12 + 4 * (5 2) = 24
 - 3. 2 * 12 / (5 4) = 24
 - 4. 2 * 12 * (5 4) = 24
- 618. [2, 4, 5, 13] 3 个解:
 - 1. 4 * (13 (2 + 5)) = 24
 - $2. \ 2 * (4 + 13 5) = 24$
 - $3. \quad 2 + 4 + 5 + 13 = 24$
- 619. [2, 4, 6, 6] 6个解:
 - 1. (4-2) * (6+6) = 24
 - 2. 6 * (6 4 / 2) = 24
 - 3. 6 * (2 + 6 4) = 24

- 4. 4 * (2 * 6 6) = 24
- 5. 2 * 6 * (6 4) = 24
- 6. 4 * (6 + 6) / 2 = 24
- 620. [2, 4, 6, 7] 5 个解:
 - 1. (2 + 6) * (7 4) = 24
 - 2. 7 * (6 2) 4 = 24
 - 3. 4 + 6 + 2 * 7 = 24
 - 4. 2 + 4 * 7 6 = 24
 - 5. 6 / (2 7 / 4) = 24
- 621. [2, 4, 6, 8] 8 个解:
 - 1. 6 * 8 / (4 2) = 24
 - $2. \ 4 * 8 (2 + 6) = 24$
 - 3. 4 * (2 + 6) 8 = 24

 - 4. 8 + 4 * (6 2) = 24
 - 5. 4 + 8 + 2 * 6 = 24
 - 6. 6 * (2 + 8 / 4) = 24
 - 7. 2 * (6 + 8) 4 = 24
 - 8. 2 * 6 * 8 / 4 = 24
- 622. [2, 4, 6, 9] 7 个解:
 - 1. 6 + 9 * (4 2) = 24
 - $2. \ 4 * 9 2 * 6 = 24$
 - 3. 4 * (9 6 / 2) = 24
 - 4. 9 * (2 + 4 / 6) = 24
 - 5. 6 + 4 * 9 / 2 = 24
 - 6. 6 / (9 / 4 2) = 24
 - 7. 2 * 4 * (9 6) = 24
- 623. [2, 4, 6, 10] 7 个解:
 - 1. (2 + 4) * (10 6) = 24
 - 2.6 * (10 (2 + 4)) = 24
 - 3. 6 + 10 + 2 * 4 = 24
 - 4. (6-2) * (10-4) = 24
 - 5. (6-4) * (2+10) = 24
 - 6. 4 * (2 + 10 6) = 247. 2 * (6 + 10 - 4) = 24
- 624. [2, 4, 6, 11] 4 个解:
 - 1. 2 + 11 * (6 4) = 24
 - 2. 6 + 2 * 11 4 = 24
 - $3. \ 2 * (4 + 11) 6 = 24$
 - 4. 4 / (2 11 / 6) = 24
- 625. [2, 4, 6, 12] 10 个解:
 - 1. 6 * (2 + 4) 12 = 24
 - 2. 12 + 6 * (4 2) = 24
 - 3. 12 * (2 * 4 6) = 24

- 4. 6 * (12 2 * 4) = 24
- 5. 12 * (2 + 6) / 4 = 24
- 6. 12 + 4 * 6 / 2 = 24
- 7. 2 * (4 * 6 12) = 24
- 8. 12 / (2 6 / 4) = 24
- 9. 6 * (12 4) / 2 = 24
- 10. 2 + 4 + 6 + 12 = 24
- 626. [2, 4, 6, 13] 4 个解:
 - 1. 13 * (6 4) 2 = 24
 - $2. \ 4 + 2 * 13 6 = 24$
 - 3. 6 + 2 * (13 4) = 24
 - 4. 4 / (13 / 6 2) = 24
- 627. [2, 4, 7, 7] 1 个解:
 - 1. 2 * (7 + 7) 4 = 24
- 628. [2, 4, 7, 8] 3 个解:
 - 1. 4 * (2 * 7 8) = 24
 - $2. \ 4 * 7 8 / 2 = 24$
 - 3. 7 * 8 / 2 4 = 24
- 629. [2, 4, 7, 9] 2 个解:
 - 1. 7 + 9 + 2 * 4 = 24
 - $2. \ 2 * (7 + 9 4) = 24$
- 630. [2, 4, 7, 10] 4 个解:
 - 1. 10 + 7 * (4 2) = 24
 - 2. (7 4) * (10 2) = 24
 - 3. 10 + 4 * 7 / 2 = 24
 - 4. 2 * 4 * (10 7) = 24
- 631. [2, 4, 7, 11] 3 个解:
 - 1. (2 + 4) * (11 7) = 24
 - $2. \ 4 * (2 + 11 7) = 24$
 - $3. \ 2 + 4 + 7 + 11 = 24$
- 632. [2, 4, 7, 12] 2 个解:
 - 1. 4 * (2 + 7) 12 = 24
 - 2. 12 / (4 7 / 2) = 24
- 633. [2, 4, 7, 13] 无解
- 634. [2, 4, 8, 8] 6 个解:
 - 1. 8 + 8 * (4 2) = 24
 - 2. 8 + 8 + 2 * 4 = 24
 - 3. (8-2) * (8-4) = 24
 - 4. (8-4) * (8-2) = 24
 - 5. 8 + 4 * 8 / 2 = 24

- 6. 2 * (8 + 8 4) = 24
- 635. [2, 4, 8, 9] 1 个解:
 - 1. 8 * (9 (2 + 4)) = 24
- 636. [2, 4, 8, 10] 11 个解:
 - 1. 4 * 10 2 * 8 = 24
 - $2. \ 4 * (2 * 8 10) = 24$
 - 3. 4 * (10 8 / 2) = 24
 - 4. 2 + 4 * 8 10 = 24
 - 5. 2 * (10 + 8 / 4) = 24
 - 6. 8 * (2 + 10) / 4 = 24
 - 7. 4 * (10 2) 8 = 24
 - 8. 8 + 2 * 10 4 = 24
 - 9. 8 * (10 4) / 2 = 24
 - 10. (8 + 4 * 10) / 2 = 24
 - $11. \ 2 + 4 + 8 + 10 = 24$
- 637. [2, 4, 8, 11] 4 个解:
 - 1. 8 * (11 2 * 4) = 24
 - 2. 8 / 4 + 2 * 11 = 24
 - 3. 2 * 4 * (11 8) = 24
 - 4. 2 + 8 * 11 / 4 = 24
- 638. [2, 4, 8, 12] 7 个解:
 - 1. (2 + 4) * (12 8) = 24
 - 2. 12 * (8 (2 + 4)) = 24
 - 3. 12 + 2 * 8 4 = 24
 - 4. 12 * (8 4) / 2 = 24
 - 5. 4 * (2 + 12 8) = 24
 - 6. 2 * (4 + 12) 8 = 24
 - 7. 8 + 2 * (12 4) = 24
- 639. [2, 4, 8, 13] 2 个解:
 - 1. 2 * 13 8 / 4 = 24
 - 2. 8 * 13 / 4 2 = 24
- 640. [2, 4, 9, 9] 1 个解:
 - 1. 2 + 4 + 9 + 9 = 24
- 641. [2, 4, 9, 10] 2 个解:
 - 1. 10 + 2 * 9 4 = 24
 - $2. \ 4 * 9 (2 + 10) = 24$
- 642. [2, 4, 9, 11] 无解
- 643. [2, 4, 9, 12] 5 个解:
 - 1. 4 * (2 * 9 12) = 24
 - 2. 12 / (9 / 2 4) = 24

- 3. (12 + 4 * 9) / 2 = 24
- $4. \ 2 * (9 + 12 / 4) = 24$
- 5. 2 * 4 * (12 9) = 24
- 644. [2, 4, 9, 13] 4 个解:
 - 1. (2 + 4) * (13 9) = 24

 - 2. 9 + 13 + 4 / 2 = 24
 - 3. 4 * (2 + 13 9) = 24
 - $4. \ 4 + 9 + 13 2 = 24$
- 645. [2, 4, 10, 10] 1 个解:
 - 1. 10 * (2 + 4 / 10) = 24
- 646. [2, 4, 10, 11] 3 个解:
 - 1. 4 * 11 2 * 10 = 24
 - $2. \ 4 * (11 10 / 2) = 24$
 - 3. 10 + 2 * (11 4) = 24
- 647. [2, 4, 10, 12] 6 个解:
 - 1. 12 * (10 2 * 4) = 24
 - $2. \ 10 + 12 + 4 / 2 = 24$
 - 3. 12 * (10 2) / 4 = 24
 - 4. 12 + 2 * (10 4) = 24
 - 5. 12 / (10 / 4 2) = 24
 - 6. 4 + 10 + 12 2 = 24
- 648. [2, 4, 10, 13] 2 个解:
 - 1. 2 * (4 + 13) 10 = 24
 - $2. \ 2 * 4 * (13 10) = 24$
- 649. [2, 4, 11, 11] 2 个解:
 - 1. 11 + 11 + 4 / 2 = 24
 - $2. \ 4 + 11 + 11 2 = 24$
- 650. [2, 4, 11, 12] 1 个解:
 - 1. 4 * (11 2) 12 = 24
- 651. [2, 4, 11, 13] 无解
- 652. [2, 4, 12, 12] 4 个解:
 - 1. 12 * 12 / (2 + 4) = 24
 - 2. 4 * 12 2 * 12 = 24
 - 3. 12 * (12 / 2 4) = 24
 - 4. 4 * (12 12 / 2) = 24
- 653. [2, 4, 12, 13] 无解
- 654. [2, 4, 13, 13] 2 个解:
 - 1. 13 + 13 4 / 2 = 24

- $2. \ 2 + 13 + 13 4 = 24$
- 655. [2, 5, 5, 5] 无解
- 656. [2, 5, 5, 6] 无解
- 657. $[2, 5, 5, 7] 1 \land \text{#}:$ 1. 5 + 5 + 2 * 7 = 24
- 658. [2, 5, 5, 8] 1 个解: 1. 8 * (2 + 5 / 5) = 24
- 659. $[2, 5, 5, 9] 2 \land \mathbb{M}$: 1. 9 + 5 * (5 - 2) = 242. 5 + 9 + 2 * 5 = 24
- 660. [2, 5, 5, 10] 1 个解: 1. 5 * (5 - 2 / 10) = 24
- 661. [2, 5, 5, 11] 2 个解: 1. 5 * (2 + 5) - 11 = 24
 - 2. 2 * (11 + 5 / 5) = 24
- 662. [2, 5, 5, 12] 5个解:
 - 1. 12 * (2 + 5 5) = 24
 - 2. 5 + 2 * 12 5 = 24
 - 3. 2 * (5 + 12 5) = 24
 - 4. 2 * 5 * 12 / 5 = 24
 - $5. \ 2 + 5 + 5 + 12 = 24$
- 663. [2, 5, 5, 13] 3 个解:
 - 1. (5-2) * (13-5) = 24
 - $2. \ 2 * (5 * 5 13) = 24$
 - 3. 2 * (13 5 / 5) = 24
- 664. [2, 5, 6, 6] 2 个解:
 - 1. 6 + 6 * (5 2) = 24
 - 2. 6 * (2 * 5 6) = 24
- 665. [2, 5, 6, 7] 3 个解:
 - 1. 5 + 7 + 2 * 6 = 24
 - 2. 6 * (2 + 7 5) = 24
 - $3. \ 2 * 6 * (7 5) = 24$
- 666. [2, 5, 6, 8] 5个解:
 - 1. 6 + 8 + 2 * 5 = 24
 - 2. (2 + 6) * (8 5) = 24
 - 3. 8 * (2 + 6 5) = 24
 - 4. 2 + 5 * 6 8 = 24

- 5. 5 * (8 2) 6 = 24
- 667. [2, 5, 6, 9] 1 个解:
 - 1. 9 + 5 * 6 / 2 = 24
- 668. [2, 5, 6, 10] 4 个解:
 - 1. 10 * (5 2) 6 = 24
 - $2. \ 2 * (5 + 10) 6 = 24$
 - 3. 6 * (2 + 10 / 5) = 24
 - 4. 2 * 6 * 10 / 5 = 24
- 669. [2, 5, 6, 11] 4 个解:
 - 1. 6 * (11 (2 + 5)) = 24
 - 2. (6 2) * (11 5) = 24
 - $3. \ 2 + 5 + 6 + 11 = 24$
 - 4. 2 * (6 + 11 5) = 24
- 670. [2, 5, 6, 12] 6 个解:
 - 1. 6 * 12 / (5 2) = 24
 - 2. 12 * (5 6 / 2) = 24
 - 3. 2 * 12 / (6 5) = 24
 - 4. 2 * 12 * (6 5) = 24
 - 5. 5 * 6 12 / 2 = 24
 - 6. 5 * 12 / 2 6 = 24
- 671. [2, 5, 6, 13] 2 个解:
 - 1. 2 * (5 + 13 6) = 24
 - 2. 6 * (13 5) / 2 = 24
- 672. [2, 5, 7, 7] 1 个解:
 - 1. 7 + 7 + 2 * 5 = 24
- 673. [2, 5, 7, 8] 1 个解:
 - 1. 8 * (2 * 5 7) = 24
- 674. [2, 5, 7, 9] 1 个解:
 - 1. 5 * 7 (2 + 9) = 24
- 675. [2, 5, 7, 10] 3 个解:
 - 1. (7-5) * (2+10) = 24
 - 2. 2 + 5 + 7 + 10 = 24
 - 3. 2 * (7 + 10 5) = 24
- 676. [2, 5, 7, 11] 3 个解:
 - 1. 2 + 11 * (7 5) = 24
 - 2. 7 + 2 * 11 5 = 24
 - 3. (5 ***** 11 7) / 2 = 24
- 677. [2, 5, 7, 12] 无解

- 678. [2, 5, 7, 13] 4 个解:
 - 1. 13 * (7 5) 2 = 24
 - 2. 2 + 5 * 7 13 = 24
 - 3. (13 + 5 * 7) / 2 = 24
 - 4. 5 + 2 * 13 7 = 24
- 679. [2, 5, 8, 8] 2 个解:
 - 1. 5 ***** 8 2 ***** 8 = 24
 - 2. (8 + 5 * 8) / 2 = 24
- 680. [2, 5, 8, 9] 4 个解:
 - 1. 8 * 9 / (5 2) = 24
 - 2. (8 2) * (9 5) = 24
 - $3. \ 2 + 5 + 8 + 9 = 24$
 - 4. 2 * (8 + 9 5) = 24
- 681. [2, 5, 8, 10] 2 个解:
 - 1. 8 * (10 (2 + 5)) = 24
 - 2. (8 5) * (10 2) = 24
- 682. [2, 5, 8, 11] 2 个解:
 - 1. 2 * (5 + 11) 8 = 24
 - 2. 8 * (11 5) / 2 = 24
- 683. [2, 5, 8, 12] 2 个解:
 - 1. 12 * (2 * 5 8) = 24
 - 2. 12 * (2 + 8) / 5 = 24
- 684. [2, 5, 8, 13] 5 个解:
 - 1. 8 * (13 2 * 5) = 24
 - 2. 13 + 2 * 8 5 = 24
 - 3. 8 ***** (2 + 13) / 5 = 24
 - 4. 8 + 2 * (13 5) = 24
 - 5. 5 + 8 + 13 2 = 24
- 685. [2, 5, 9, 9] 无解
- 686. [2, 5, 9, 10] 1 个解:
 - 1. 9 + 2 * 10 5 = 24
- 687. [2, 5, 9, 11] 3 个解:
 - 1. 11 * (5 2) 9 = 24
 - $2. \ 5 * (9 2) 11 = 24$
 - 3. 11 + 2 * 9 5 = 24
- 688. [2, 5, 9, 12] 4 个解:
 - 1. 12 * (9 (2 + 5)) = 24
 - 2. 12 / (5 9 / 2) = 24

- 3. 12 * (9 5) / 2 = 24
- $4. \quad 5 + 9 + 12 2 = 24$
- 689. [2, 5, 9, 13] 无解
- 690. [2, 5, 10, 10] 2 个解:
 - 1. 10 * (2 + 10) / 5 = 24
 - $2. \ 2 * (10 + 10 / 5) = 24$
- 691. [2, 5, 10, 11] 3 个解:
 - 1. 10 / 5 + 2 * 11 = 24
 - 2. 5 + 10 + 11 2 = 24
 - 3. 2 + 10 * 11 / 5 = 24
- 692. [2, 5, 10, 12] 2 个解:
 - 1. 2 * (5 + 12) 10 = 24
 - $2. \ 10 + 2 * (12 5) = 24$
- 693. [2, 5, 10, 13] 3 个解:
 - 1. 5 * 10 2 * 13 = 24
 - $2. \ 2 * 13 10 / 5 = 24$
 - 3. 10 ***** 13 / 5 2 = 24
- 694. [2, 5, 11, 11] 无解
- 695. [2, 5, 11, 12] 2 个解:
 - 1. 12 / (11 / 2 5) = 24
 - 2. 12 + 2 * (11 5) = 24
- 696. [2, 5, 11, 13] 无解
- 697. [2, 5, 12, 12] 4 个解:
 - 1. 12 * (5 2) 12 = 24
 - 2. 12 * (12 2 * 5) = 24
 - 3. 12 * (12 2) / 5 = 24
 - 4. (5 * 12 12) / 2 = 24
- 698. [2, 5, 12, 13] 2 个解:
 - 1. 5 + 13 + 12 / 2 = 24
 - $2. \ 2 * (5 + 13) 12 = 24$
- 699. [2, 5, 13, 13] 无解
- 700. [2, 6, 6, 6] 3 个解:
 - 1. 6 ***** 6 2 ***** 6 = 24
 - 2. 6 + 6 + 2 * 6 = 24
 - 3. 6 + 6 * 6 / 2 = 24
- 701. [2, 6, 6, 7] 3 个解:

- 1. 6 * (7 6 / 2) = 24
- 2. 6 * (7 2) 6 = 24
- 3. (6 + 6 * 7) / 2 = 24
- 702. [2, 6, 6, 8] 5 个解:
 - 1. 6 * (2 * 6 8) = 24
 - 2. 8 * (6 6 / 2) = 24
 - 3. 8 * (2 + 6 / 6) = 24
 - 4. 6 * (2 + 8 6) = 24
 - 5. 2 * 6 * (8 6) = 24
- 703. [2, 6, 6, 9] 3 个解:
 - 1. (2 + 6) * (9 6) = 24
 - $2. \ 2 * (6 + 9) 6 = 24$
 - 3. (6 * 9 6) / 2 = 24
- 704. [2, 6, 6, 10] 3 个解:
 - 1. 6 * 6 (2 + 10) = 24
 - 2.6 * 10 / 2 6 = 24
 - $3. \ 2 + 6 + 6 + 10 = 24$
- 705. [2, 6, 6, 11] 1 个解:
 - 1. 2 * (11 + 6 / 6) = 24
- 706. [2, 6, 6, 12] 8 个解:
 - 1. 12 * (2 + 6 6) = 24
 - 2. 6 * (12 (2 + 6)) = 24
 - 3. (6 2) * (12 6) = 24
 - 4. (12 + 6 * 6) / 2 = 24
 - 5. 6 + 2 * 12 6 = 24
 - 6. 2 * (6 + 12 6) = 24
 - 7. 2 * 6 * 12 / 6 = 24
 - 8. 6 * (2 + 12 / 6) = 24
- 707. [2, 6, 6, 13] 1 个解:
 - 1. 2 * (13 6 / 6) = 24
- 708. [2, 6, 7, 7] 无解
- 709. [2, 6, 7, 8] 2 个解:
 - 1. 8 * (2 + 7 6) = 24
 - $2. \ 2 * (7 + 8) 6 = 24$
- 710. [2, 6, 7, 9] 4 个解:
 - 1. 6 * 7 2 * 9 = 24
 - 2. 6 * (2 + 9 7) = 24
 - $3. \ 2 + 6 + 7 + 9 = 24$
 - 4. 2 * 6 * (9 7) = 24

- 711. [2, 6, 7, 10] 2 个解:
 - 1. (2 + 6) * (10 7) = 24
 - 2. 6 * (2 * 7 10) = 24
- 712. [2, 6, 7, 11] 1 个解:
 - 1. 2 * (7 + 11 6) = 24
- 713. [2, 6, 7, 12] 2 个解:
 - 1. 2 * 12 / (7 6) = 24
 - $2. \ 2 * 12 * (7 6) = 24$
- 714. [2, 6, 7, 13] 4 个解:
 - 1. (6 2) * (13 7) = 24
 - 2.6 * (13 (2 + 7)) = 24
 - 3. 2 * (6 + 13 7) = 24
 - 4. 6 + 7 + 13 2 = 24
- 715. [2, 6, 8, 8] 3 个解:
 - 1. 8 * (6 2) 8 = 24
 - 2. 6 * (8 8 / 2) = 24
 - $3. \ 2 + 6 + 8 + 8 = 24$
- 716. [2, 6, 8, 9] 2 个解:
 - 1. 8 * (2 * 6 9) = 24
 - 2. 2 * 8 * 9 / 6 = 24
- 717. [2, 6, 8, 10] 7 个解:
 - 1. (8 2) * (10 6) = 24
 - 2. (8 6) * (2 + 10) = 24
 - 3. 6 * (2 + 10 8) = 24
 - 4. 2 ***** (6 + 10) 8 = 24
 - 5. 8 / (2 10 / 6) = 24
 - 6. 2 * (8 + 10 6) = 24
 - 7. 2 * 6 * (10 8) = 24
- 718. [2, 6, 8, 11] 4个解:
 - 1. (2 + 6) * (11 8) = 24
 - 2. 8 * (11 (2 + 6)) = 24
 - 3. 2 + 11 * (8 6) = 24 4. 8 + 2 * 11 - 6 = 24
- 719. [2, 6, 8, 12] 7 个解:
 - 1. 8 * 12 / (6 2) = 24
 - 2. 6 * (8 2) 12 = 24
 - 3. 6 * (2 * 8 12) = 24
 - 4. 12 * (6 8 / 2) = 24
 - 5. 6 ***** 8 2 ***** 12 = 24
 - 6. 8 * (12 6) / 2 = 24
 - 7. 6 + 8 + 12 2 = 24

- 720. [2, 6, 8, 13] 3 个解:
 - 1. 8 + 13 + 6 / 2 = 24
 - 2. 13 * (8 6) 2 = 24
 - 3. 6 + 2 * 13 8 = 24
- 721. [2, 6, 9, 9] 2 个解:
 - 1. 9 * (2 + 6 / 9) = 24
 - $2. \ 2 * (9 + 9 6) = 24$
- 722. [2, 6, 9, 10] 2 个解:
 - 1. (9 6) * (10 2) = 24
 - 2. 6 * (9 10 / 2) = 24
- 723. [2, 6, 9, 11] 4 个解:
 - 1. 6 * (2 + 11 9) = 24
 - 2. 6 * 11 / 2 9 = 24
 - 3. 6 + 9 + 11 2 = 24
 - 4. 2 * 6 * (11 9) = 24
- 724. [2, 6, 9, 12] 5 个解:
 - 1. (2 + 6) * (12 9) = 24
 - 2. 9 * (6 2) 12 = 24
 - 3. 9 + 12 + 6 / 2 = 24
 - 4. 12 + 2 * 9 6 = 24
 - 5. 12 / (2 9 / 6) = 24
- 725. [2, 6, 9, 13] 无解
- 726. [2, 6, 10, 10] 2 个解:
 - 1. 10 + 2 * 10 6 = 24
 - $2. \ 6 + 10 + 10 2 = 24$
- 727. [2, 6, 10, 11] 2 个解:
 - 1. 10 + 11 + 6 / 2 = 24
 - $2. \ 2 * (6 + 11) 10 = 24$
- 728. [2, 6, 10, 12] 9 个解:
 - 1. 12 * (10 (2 + 6)) = 24
 - 2. 12 * (2 * 6 10) = 24
 - 3. 12 * (2 + 10) / 6 = 24
 - 4. 12 * (10 6) / 2 = 24
 - 5. (6 * 10 12) / 2 = 24
 - 6. 6 * (2 + 12 10) = 24
 - 7. 6 * (10 12 / 2) = 24
 - 8. 2 * (10 + 12 / 6) = 24
 - 9. 2 * 6 * (12 10) = 24
- 729. [2, 6, 10, 13] 3 个解:

- 1. (2 + 6) * (13 10) = 24
- 2. 6 + 13 + 10 / 2 = 24
- 3. 10 + 2 * (13 6) = 24
- 730. [2, 6, 11, 11] 无解
- 731. [2, 6, 11, 12] 3 个解:
 - 1. 2 * 11 + 12 / 6 = 24
 - 2. 12 / (6 11 / 2) = 24
 - 3. 2 + 11 * 12 / 6 = 24
- 732. [2, 6, 11, 13] 2 个解:
 - 1. 6 * (2 + 13 11) = 24
 - 2. 2 * 6 * (13 11) = 24
- 733. [2, 6, 12, 12] 4 个解:
 - 1. 6 + 12 + 12 / 2 = 24
 - $2. \ 2 * (6 + 12) 12 = 24$
 - 3. 12 + 2 * (12 6) = 24
 - 4. 6 * 12 / 2 12 = 24
- 734. [2, 6, 12, 13] 3 个解:
 - 1. 2 * 13 12 / 6 = 24
 - 2. 12 / (13 / 2 6) = 24
 - 3. 12 * 13 / 6 2 = 24
- 735. [2, 6, 13, 13] 无解
- 736. [2, 7, 7, 7] 无解
- 737. [2, 7, 7, 8] 2 个解:
 - 1. 8 * (2 + 7 / 7) = 24
 - 2. 2 + 7 + 7 + 8 = 24
- 738. [2, 7, 7, 9] 无解
- 739. [2, 7, 7, 10] 1 个解:
 - 1. 7 * (2 + 10 / 7) = 24
- 740. [2, 7, 7, 11] 2 个解:
 - 1. 7 * (7 2) 11 = 24
 - $2. \ 2 * (11 + 7 / 7) = 24$
- 741. [2, 7, 7, 12] 5 个解:
 - 1. 12 * (2 + 7 7) = 24
 - 2. 7 + 2 * 12 7 = 24
 - 3. 2 * (7 + 12 7) = 24
 - 4. 2 * 7 * 12 / 7 = 24
 - 5. 7 + 7 + 12 2 = 24

- 742. [2, 7, 7, 13] 1 个解:
 - 1. 2 * (13 7 / 7) = 24
- 743. [2, 7, 8, 8] 3 个解:
 - 1. 8 * (2 + 8 7) = 24
 - 2. 8 * (7 8 / 2) = 24
 - 3. (7 * 8 8) / 2 = 24
- 744. [2, 7, 8, 9] 1 个解:
 - 1. 2 * (7 + 9) 8 = 24
- 745. [2, 7, 8, 10] 无解
- 746. [2, 7, 8, 11] 4 个解:
 - 1. 8 * (2 * 7 11) = 24
 - 2. (8 2) * (11 7) = 24
 - $3. \quad 7 + 8 + 11 2 = 24$
 - $4. \ 2 * (8 + 11 7) = 24$
- 747. [2, 7, 8, 12] 3 个解:
 - 1. 8 * (12 (2 + 7)) = 24
 - $2. \ 2 * 12 / (8 7) = 24$
 - 3. 2 * 12 * (8 7) = 24
- 748. [2, 7, 8, 13] 3 个解:
 - 1. 7 + 13 + 8 / 2 = 24
 - $2. \ 2 * (7 + 13 8) = 24$
 - 3. 8 * (13 7) / 2 = 24
- 749. [2, 7, 9, 9] 无解
- 750. [2, 7, 9, 10] 3 个解:
 - 1. (9 7) * (2 + 10) = 24
 - 2. 7 + 9 + 10 2 = 24
 - $3. \ 2 * (9 + 10 7) = 24$
- 751. [2, 7, 9, 11] 2 个解:
 - 1. 2 + 11 * (9 7) = 24
 - 2. 9 + 2 * 11 7 = 24
- 752. [2, 7, 9, 12] 无解
- 753. [2, 7, 9, 13] 3 个解:
 - 1. 13 + 2 * 9 7 = 24
 - 2. 13 * (9 7) 2 = 24
 - 3. 7 + 2 * 13 9 = 24
- 754. [2, 7, 10, 10] 3 个解:

- 1. (10 2) * (10 7) = 24
- $2. \ 2 * (7 + 10) 10 = 24$
- 3. (10 7) * (10 2) = 24
- 755. [2, 7, 10, 11] 2 个解:
 - 1. 11 + 2 * 10 7 = 24
 - 2. 7 * 10 / 2 11 = 24
- 756. [2, 7, 10, 12] 3 个解:
 - 1. 10 * 12 / (7 2) = 24
 - 2. 12 * (7 10 / 2) = 24
 - 3. 7 + 12 + 10 / 2 = 24
- 757. [2, 7, 10, 13] 无解
- 758. [2, 7, 11, 11] 无解
- 759. [2, 7, 11, 12] 4 个解:
 - 1. 12 * (11 (2 + 7)) = 24
 - $2. \ 2 * (7 + 11) 12 = 24$
 - 3. 12 * (11 7) / 2 = 24
 - 4. 7 + 11 + 12 / 2 = 24
- 760. [2, 7, 11, 13] 无解
- 761. [2, 7, 12, 12] 2 个解:
 - 1. 12 * (2 * 7 12) = 24
 - 2. 12 * (2 + 12) / 7 = 24
- 762. [2, 7, 12, 13] 2 个解:
 - 1. 12 / (7 13 / 2) = 24
 - 2. 12 + 2 * (13 7) = 24
- 763. [2, 7, 13, 13] 无解
- 764. [2, 8, 8, 8] 3 个解:
 - 1. 2 * (8 + 8) 8 = 24
 - 2. 8 * 8 / 2 8 = 24
 - 3. 8 * (2 + 8 / 8) = 24
- 765. [2, 8, 8, 9] 1 个解:
 - 1. 8 * (2 + 9 8) = 24
- 766. [2, 8, 8, 10] 2 个解:
 - 1. 8 * (8 10 / 2) = 24
 - 2. 8 + 8 + 10 2 = 24
- 767. [2, 8, 8, 11] 1 个解:
 - 1. 2 * (11 + 8 / 8) = 24

- 768. [2, 8, 8, 12] 6 个解:
 - 1. 12 * (2 + 8 8) = 24
 - 2. (8 2) * (12 8) = 24
 - 3. 8 + 12 + 8 / 2 = 24
 - 4. 8 + 2 ***** 12 8 = 24
 - 5. 2 * (8 + 12 8) = 24
 - 6. 2 ***** 8 ***** 12 / 8 = 24
- 769. [2, 8, 8, 13] 3 个解:
 - 1. 8 * (13 (2 + 8)) = 24
 - 2. 8 * (2 * 8 13) = 24
 - 3. 2 * (13 8 / 8) = 24
- 770. [2, 8, 9, 9] 2 个解:
 - 1. 8 + 9 + 9 2 = 24
 - 2. 8 * (2 + 9 / 9) = 24
- 771. [2, 8, 9, 10] 2 个解:
 - 1. 2 * (8 + 9) 10 = 24
 - 2. 8 * (2 + 10 9) = 24
- 772. [2, 8, 9, 11] 2 个解:
 - 1. 9 + 11 + 8 / 2 = 24
 - $2. \ 2 * (9 + 11 8) = 24$
- 773. [2, 8, 9, 12] 5 个解:
 - 1. 2 * 12 / (9 8) = 24
 - $2. \ 2 * 12 * (9 8) = 24$
 - 3. 8 * 9 / 2 12 = 24
 - 4. 8 * (9 12 / 2) = 24
 - 5. 9 * (2 + 8 / 12) = 24
- 774. [2, 8, 9, 13] 3 个解:
 - 1. (8 2) * (13 9) = 24
 - $2. \ 2 * (8 + 13 9) = 24$
 - 3. 9 / (2 13 / 8) = 24
- 775. [2, 8, 10, 10] 5 个解:
 - 1. 10 + 10 + 8 / 2 = 24
 - $2. \quad (2 + 10) * (10 8) = 24$
 - 3. (10 8) * (2 + 10) = 24
 - 4. 2 * (10 + 10 8) = 24
 - 5. 8 * (2 + 10 / 10) = 24
- 776. [2, 8, 10, 11] 5 个解:
 - 1. (10 2) * (11 8) = 24
 - 2. 8 + 11 + 10 / 2 = 24
 - 3. 2 + 11 * (10 8) = 24

- 4. 8 * (2 + 11 10) = 24
- 5. 10 + 2 * 11 8 = 24
- 777. [2, 8, 10, 12] 3 个解:
 - 1. 12 + 2 * 10 8 = 24
 - $2. \ 2 * (8 + 10) 12 = 24$
 - 3. 8 + 10 + 12 / 2 = 24
- 778. [2, 8, 10, 13] 2 个解:
 - 1. 13 * (10 8) 2 = 24
 - 2. 8 + 2 * 13 10 = 24
- 779. [2, 8, 11, 11] 1 个解:
 - 1. 8 * (2 + 11 / 11) = 24
- 780. [2, 8, 11, 12] 1 个解:
 - 1. 8 * (2 + 12 11) = 24
- 781. [2, 8, 11, 13] 无解
- 782. [2, 8, 12, 12] 6 个解:
 - 1. 12 * (12 (2 + 8)) = 24
 - 2. 12 * 12 / (8 2) = 24
 - 3. 12 * (8 12 / 2) = 24
 - 4. 12 * (12 8) / 2 = 245. 12 / (2 - 12 / 8) = 24
 - 6. 8 * (2 + 12 / 12) = 24
- 783. [2, 8, 12, 13] 1 个解:
 - 1. 8 * (2 + 13 12) = 24
- 784. [2, 8, 13, 13] 1 个解:
 - 1. 8 * (2 + 13 / 13) = 24
- 785. [2, 9, 9, 9] 无解
- 786. [2, 9, 9, 10] 无解
- 787. [2, 9, 9, 11] 1 个解:
 - 1. 2 * (11 + 9 / 9) = 24
- 788. [2, 9, 9, 12] 6 个解:
 - 1. 12 * (2 + 9 9) = 24
 - $2. \ 2 * (9 + 9) 12 = 24$
 - 3. 9 + 2 * 12 9 = 24
 - 4. 9 + 9 + 12 / 2 = 24
 - 5. 2 * (9 + 12 9) = 24
 - 6. 2 ***** 9 ***** 12 / 9 = 24

- 789. $[2, 9, 9, 13] 1 \land \text{#}:$ 1. 2 * (13 - 9 / 9) = 24
- 791. $[2, 9, 10, 11] 2 \land \text{#}:$ 1. (2 + 10) * (11 - 9) = 24
 - $2. \ 2 * (10 + 11 9) = 24$
- 792. [2, 9, 10, 12] 3 个解:
 - 1. (10 2) * (12 9) = 24
 - $2. \ 2 * 12 / (10 9) = 24$
 - 3. 2 * 12 * (10 9) = 24
- 793. [2, 9, 10, 13] 2 个解:
 - 1. 13 + 2 * 10 9 = 24
 - $2. \ 2 * (9 + 13 10) = 24$
- 794. [2, 9, 11, 11] 2 个解:
 - 1. 11 + 2 * 11 9 = 24
 - $2. \ 2 + 11 * (11 9) = 24$
- 795. [2, 9, 11, 12] 无解
- 796. [2, 9, 11, 13] 2 个解:
 - 1. 13 * (11 9) 2 = 24
 - 2. 9 + 2 * 13 11 = 24
- 797. [2, 9, 12, 12] 无解
- 798. [2, 9, 12, 13] 2 个解:
 - 1. 12 * (13 (2 + 9)) = 24
 - 2. 12 * (13 9) / 2 = 24
- 799. [2, 9, 13, 13] 1 个解:
 - 1. 13 + (9 + 13) / 2 = 24
- 800. [2, 10, 10, 10] 无解
- 801. [2, 10, 10, 11] 1 个解:
- 1. 2 * (11 + 10 / 10) = 24
- 802. [2, 10, 10, 12] 5个解:
 - 1. (2 + 10) * (12 10) = 24
 - 2. 12 * (2 + 10 10) = 24
 - 3. 10 + 2 * 12 10 = 24
 - $4. \ 2 * (10 + 12 10) = 24$
 - 5. 2 * 10 * 12 / 10 = 24

- 803. [2, 10, 10, 13] 2 个解:
 - 1. (10 2) * (13 10) = 24
 - $2. \ 2 * (13 10 / 10) = 24$
- 804. [2, 10, 11, 11] 1 个解:
 - 1. 2 * (11 + 11 10) = 24
- 805. [2, 10, 11, 12] 4个解:
 - 1. 12 + 2 ***** 11 10 = 24
 - $2. \ 2 * 12 / (11 10) = 24$
 - 3. 2 * 12 * (11 10) = 24
 - 4. 2 + 11 * (12 10) = 24
- 806. [2, 10, 11, 13] 2 个解:
 - 1. (2 + 10) * (13 11) = 24
 - $2. \ 2 * (10 + 13 11) = 24$
- 807. [2, 10, 12, 12] 无解
- 808. [2, 10, 12, 13] 3 个解:
 - 1. 13 + (10 + 12) / 2 = 24
 - 2. 13 * (12 10) 2 = 24
 - 3. 10 + 2 * 13 12 = 24
- 809. [2, 10, 13, 13] 无解
- 810. [2, 11, 11, 11] 1 个解:
 - 1. 2 * (11 + 11 / 11) = 24
- 811. [2, 11, 11, 12] 4 个解:
 - 1. 12 * (2 + 11 11) = 24
 - 2. 11 + 2 * 12 11 = 24
 - $3. \ 2 * (11 + 12 11) = 24$
 - 4. 2 * 11 * 12 / 11 = 24
- 812. [2, 11, 11, 13] 4 个解:
 - 1. 13 + 2 * 11 11 = 24
 - 2. 13 + (11 + 11) / 2 = 24
 - $3. \ 2 * (13 11 / 11) = 24$
 - 4. 2 + 11 * (13 11) = 24
- 813. [2, 11, 12, 12] 3 个解:
 - 1. 2 * 12 / (12 11) = 24
 - $2. \ 2 * 12 * (12 11) = 24$
 - $3. \ 2 * (11 + 12 / 12) = 24$
- 814. [2, 11, 12, 13] 2 个解:
 - 1. 12 + (11 + 13) / 2 = 24

- $2. \ 2 * (11 + 13 12) = 24$
- 815. [2, 11, 13, 13] 4 个解:
 - 1. 11 + 2 * 13 13 = 24
 - 2. 13 * (13 11) 2 = 24
 - 3. 11 + (13 + 13) / 2 = 24
 - 4. 2 * (11 + 13 / 13) = 24
- 816. [2, 12, 12, 12] 5个解:
 - 1. 12 * (2 + 12 12) = 24
 - 2. 12 + 2 * 12 12 = 24
 - 3. 12 + (12 + 12) / 2 = 24
 - 4. 2 * (12 + 12 12) = 24
 - 5. 2 * 12 * 12 / 12 = 24
- 817. [2, 12, 12, 13] 3 个解:
 - 1. 2 * 12 / (13 12) = 24
 - $2. \ 2 * (13 12 / 12) = 24$
 - 3. 2 * 12 * (13 12) = 24
- 818. [2, 12, 13, 13] 4 个解:
 - 1. 13 + 2 ***** 12 13 = 24
 - 2. 12 * (2 + 13 13) = 24
 - $3. \ 2 * (12 + 13 13) = 24$
 - 4. 2 * 12 * 13 / 13 = 24
- 819. [2, 13, 13, 13] 1 个解:
 - 1. 2 * (13 13 / 13) = 24
- 820. [3, 3, 3, 3] 1 个解:
 - 1. 3 * 3 * 3 3 = 24
- 821. [3, 3, 4] 2 个解:
 - 1. 4 ***** (3 ***** 3 3) = 24
 - $2. \ 3 + 3 * (3 + 4) = 24$
- 822. [3, 3, 3, 5] 1 个解:
 - 1. 3 ***** 3 + 3 ***** 5 = 24
- 823. [3, 3, 3, 6] 4 个解:
 - 1. 6 + 3 * (3 + 3) = 24
 - 2. 6 * (3 + 3 / 3) = 24
 - 3. 3 * (3 + 6) 3 = 24
 - 4. 3 + 3 + 3 * 6 = 24
- 824. [3, 3, 3, 7] 2 个解:
 - 1. (3 + 3) * (7 3) = 24
 - 2. 3 * (7 + 3 / 3) = 24

- 825. [3, 3, 3, 8] 4个解:
 - 1. 8 * (3 + 3 3) = 24
 - $2. \ 3 * (3 + 8 3) = 24$
 - $3. \ 3 + 3 * 8 3 = 24$
 - 4. 3 * 3 * 8 / 3 = 24
- 826. [3, 3, 3, 9] 1 个解:
- 1. 3 * (9 3 / 3) = 24
- 827. [3, 3, 3, 10] 2 个解:
 - 1. 3 * 10 (3 + 3) = 24 $2. \ 3 + 3 * (10 - 3) = 24$
- 828. [3, 3, 3, 11] 1 个解:
 - 1. 3 * 11 3 * 3 = 24
- 829. [3, 3, 3, 12] 4 个解:
 - 1. 12 * (3 + 3) / 3 = 24
 - $2. \ 3 + 12 + 3 * 3 = 24$
 - 3. 12 * (3 3 / 3) = 24
 - 4. 3 * (12 3) 3 = 24
- 830. [3, 3, 3, 13] 无解
- 831. [3, 3, 4, 4] 2 个解:
 - 1. 3 * 4 + 3 * 4 = 24
 - $2. \ 3 * (3 * 4 4) = 24$
- 832. [3, 3, 4, 5] 3 个解:
 - 1. 4 * (5 + 3 / 3) = 24
 - $2. \ 3 * 4 * (5 3) = 24$
 - $3. \ 3 * (4 + 5) 3 = 24$
- 833. [3, 3, 4, 6] 4 个解:
 - 1. 6 * (3 + 4 3) = 24
 - $2. \ 4 * (3 + 6 3) = 24$
 - $3. \ 3 + 4 * 6 3 = 24$
 - 4. 3 * 4 * 6 / 3 = 24
- 834. [3, 3, 4, 7] 2 个解:
 - 1. 4 * (7 3 / 3) = 24
 - $2. \ 3 * (4 + 7 3) = 24$
- 835. [3, 3, 4, 8] 4个解:
 - 1. (3 + 3) * (8 4) = 24
 - 2. 8 * (4 3 / 3) = 24

 - 3. 3 * 8 / (4 3) = 24
 - 4. 3 * 8 * (4 3) = 24

- 836. [3, 3, 4, 9] 3 个解:
 - 1. 3 + 9 + 3 * 4 = 24
 - $2. \ 3 * (3 + 9 4) = 24$
 - $3. \ 4 * (3 + 9 / 3) = 24$
- 837. [3, 3, 4, 10] 无解
- 838. [3, 3, 4, 11] 2 个解:
 - 1. 4 + 11 + 3 * 3 = 24
 - $2. \ 3 + 3 * (11 4) = 24$
- 839. [3, 3, 4, 12] 5 个解:
 - 1. 12 * (3 + 3 4) = 24
 - $2. \ 4 * (12 (3 + 3)) = 24$
 - 3. 3 ***** 12 3 ***** 4 = 24
 - 4. 3 ***** 3 ***** 4 12 = 24
 - 5. 3 * (4 + 12 / 3) = 24
- 840. [3, 3, 4, 13] 1 个解:
 - 1. 3 * (13 4) 3 = 24
- 841. [3, 3, 5, 5] 1 个解:
 - 1. 5 * 5 3 / 3 = 24
- 842. [3, 3, 5, 6] 7 个解:
 - 1. 5 * 6 (3 + 3) = 24
 - 2. 5 * (3 + 3) 6 = 24
 - 3. 6 * (3 * 3 5) = 24
 - 4. 6 * (5 3 / 3) = 24
 - 5. (3 + 5) * (6 3) = 24
 - 6. 3 + 6 + 3 * 5 = 24
 - 7. 3 * (5 + 6 3) = 24
- 843. [3, 3, 5, 7] 1 个解:
 - 1. 3 * (3 * 5 7) = 24
- 844. [3, 3, 5, 8] 无解
- 845. [3, 3, 5, 9] 4 个解:
 - 1. (3 + 3) * (9 5) = 24
 - 2. 9 * (3 + 5) / 3 = 24
 - 3. (5-3) * (3+9) = 24
 - 4. 3 * (5 + 9 / 3) = 24
- 846. [3, 3, 5, 10] 3 个解:
 - 1. 5 + 10 + 3 * 3 = 24
 - 2. 10 * (3 3 / 5) = 24
 - $3. \ 3 * (3 + 10 5) = 24$

- 847. [3, 3, 5, 11] 无解
- 848. [3, 3, 5, 12] 2 个解:
 - 1. 12 + 3 * 5 3 = 24
 - $2. \ 3 + 3 * (12 5) = 24$
- 849. [3, 3, 5, 13] 2 个解:
 - 1. 3 ***** 13 3 ***** 5 = 24
 - $2. \ 3 + 3 + 5 + 13 = 24$
- 850. [3, 3, 6, 6] 1 个解:
 - 1. 3 * (6 + 6 / 3) = 24
- 851. [3, 3, 6, 7] 3 个解:
 - 1. 3 + 7 * (6 3) = 24
 - $2. \ 3 * (3 + 7) 6 = 24$
 - 3. 6 + 3 * 7 3 = 24
- 852. [3, 3, 6, 8] 2 个解:
 - 1. 8 * (3 * 3 6) = 24
 - 2. 8 * (3 + 6) / 3 = 24
- 853. [3, 3, 6, 9] 6 个解:
 - 1. 6 + 9 + 3 * 3 = 24
 - 2. 9 * (6 3) 3 = 24
 - 3. 9 + 3 * 6 3 = 24
 - 4. 6 * (3 + 9) / 3 = 24
 - 5. 6 + 3 * (9 3) = 24
 - 6. 3 + 3 * 9 6 = 24
- 854. [3, 3, 6, 10] 4 个解:
 - 1. (3 + 3) * (10 6) = 24
 - 2.6 * (10 (3 + 3)) = 24
 - 3. 3 * (3 * 6 10) = 244. 3 * (10 - 6 / 3) = 24
- 855. [3, 3, 6, 11] 3 个解: 1. 3 * 11 - (3 + 6) = 24
 - 2. (6 3) * (11 3) = 24
 - $3. \ 3 * (3 + 11 6) = 24$
- 856. [3, 3, 6, 12] 2 个解:
 - 1. 6 * (3 + 3) 12 = 24
 - $2. \ 3 + 3 + 6 + 12 = 24$
- 857. [3, 3, 6, 13] 3 个解:
 - 1. 6 * (13 3 * 3) = 24
 - $2. \ 3 * (13 3) 6 = 24$
 - $3. \ 3 + 3 * (13 6) = 24$

- 858. [3, 3, 7, 7] 1 个解: 1. 7 * (3 + 3 / 7) = 24
- 859. [3, 3, 7, 8] 1 个解: 1. 7 + 8 + 3 * 3 = 24
- 860. [3, 3, 7, 9] 3 个解: 1. (7-3) * (9-3) = 24
 - 2. 3 * 7 + 9 / 3 = 24
 - 3. 3 + 7 * 9 / 3 = 24
- 861. [3, 3, 7, 10] 无解
- 862. [3, 3, 7, 11] 2 个解:
 - 1. (3 + 3) * (11 7) = 24
 - $2. \ \ 3 + 3 + 7 + 11 = 24$
- 863. [3, 3, 7, 12] 3 个解:
 - 1. 12 * (3 * 3 7) = 24
 - 2. 12 + 3 * (7 3) = 24
 - 3. 3 * (3 + 12 7) = 24
- 864. [3, 3, 7, 13] 1 个解:
 - 1. 3 * (3 * 7 13) = 24
- 865. [3, 3, 8, 8] 1 个解:
 - 1. 8 / (3 8 / 3) = 24
- 866. [3, 3, 8, 9] 3 个解:
 - 1. 8 * (9 (3 + 3)) = 24
 - $2. \ 3 * (3 + 8) 9 = 24$
 - 3. 9 + 3 * (8 3) = 24
- 867. [3, 3, 8, 10] 2 个解:
 - 1. 8 / (10 / 3 3) = 24
 - $2. \ 3 + 3 + 8 + 10 = 24$
- 868. [3, 3, 8, 11] 无解
- 869. [3, 3, 8, 12] 4 个解:
 - 1. (3 + 3) * (12 8) = 24
 - 2. 12 * (8 (3 + 3)) = 24
 - 3. 8 * (12 3 * 3) = 24
 - 4. 8 * (12 3) / 3 = 24
- 870. [3, 3, 8, 13] 1 个解:
 - 1. 3 * (3 + 13 8) = 24

- 871. [3, 3, 9, 9] 4个解:
 - 1. 3 * 9 9 / 3 = 24
 - 2. 9 * (3 3 / 9) = 24
 - $3. \ 3 + 3 + 9 + 9 = 24$
 - 4. 9 * 9 / 3 3 = 24
- 872. [3, 3, 9, 10] 1 个解:
- 1. 3 + 3 * 10 9 = 24
- 873. [3, 3, 9, 11] 2 个解:
 - 1. 3 * (11 9 / 3) = 24
 - 2. 9 * (11 3) / 3 = 24
- 874. [3, 3, 9, 12] 3 个解:
 - 1. 3 * 12 (3 + 9) = 24
 - $2. \ 3 * (3 + 9) 12 = 24$
 - 3. 12 * (9 3) / 3 = 24
- 875. [3, 3, 9, 13] 1 个解:
 - 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 个解:
 - 1. 10 + 13 + 3 / 3 = 24
- 880. [3, 3, 11, 11] 无解
- 881. [3, 3, 11, 12] 3 个解:
 - 1. 12 ***** (11 3 ***** 3) = 24
 - $2. \ 11 + 12 + 3 / 3 = 24$
 - $3. \ 3 + 3 * 11 12 = 24$
- 882. [3, 3, 11, 13] 4 个解:
 - 1. 13 + 3 * 11 / 3 = 24
 - 2. 11 + 3 * 13 / 3 = 24
 - $3. \ 3 + 11 + 13 3 = 24$
 - 4. 3 * (11 + 13) / 3 = 24
- 883. [3, 3, 12, 12] 5 个解:
 - 1. 12 * 12 / (3 + 3) = 24
 - 2. 12 + 3 * 12 / 3 = 24
 - 3. 3 * (12 12 / 3) = 24
 - $4. \ \ 3 + 12 + 12 3 = 24$
 - 5. 3 * (12 + 12) / 3 = 24

- 884. [3, 3, 12, 13] 2 个解:
 - 1. 12 + 13 3 / 3 = 24
 - $2. \ 3 * 13 (3 + 12) = 24$
- 885. [3, 3, 13, 13] 无解
- 886. [3, 4, 4, 4] 1 个解:
 - 1. 4 * (3 + 4) 4 = 24
- 887. [3, 4, 4, 5] 2 个解:
 - 1. 3 + 5 + 4 * 4 = 24
 - $2. \ 4 * (4 + 5 3) = 24$
- 888. [3, 4, 4, 6] 7 个解:
 - 1. 4 * 6 / (4 3) = 24
 - $2. \ 4 * 6 * (4 3) = 24$
 - 3. 4 * (3 * 4 6) = 24
 - 4. (4 + 4) * (6 3) = 24
 - 5. 6 * (3 + 4 / 4) = 24
 - 6. 4 * (4 + 6 / 3) = 24
 - 7. 3 * 4 * (6 4) = 24
- 889. [3, 4, 4, 7] 2 个解:
 - 1. 3 * (7 + 4 / 4) = 24
 - $2. \ 4 * (3 + 7 4) = 24$
- 890. [3, 4, 4, 8] 7 个解:
 - 1. 8 * (3 + 4 4) = 24
 - $2. \ 4 + 8 + 3 * 4 = 24$
 - 3. 3 * (4 * 4 8) = 24
 - $4. \ 4 + 4 * (8 3) = 24$
 - 5. 4 + 3 * 8 4 = 24
 - 6. 3 * (4 + 8 4) = 24
 - 7. 3 * 4 * 8 / 4 = 24
- 891. [3, 4, 4, 9] 4 个解:
 - 1. 4 ***** 9 3 ***** 4 = 24
 - 2. 9 * (4 4 / 3) = 24
 - 3. 9 * (4 + 4) / 3 = 24
 - 4. 3 * (9 4 / 4) = 24
- 892. [3, 4, 4, 10] 1 个解:
 - 1. 4 * (10 3) 4 = 24
- 893. [3, 4, 4, 11] 1 个解:
 - 1. 11 + 4 * 4 3 = 24
- 894. [3, 4, 4, 12] 2 个解:

- 1. 12 * (3 4 / 4) = 24
- $2. \ 4 * (3 + 12 / 4) = 24$
- 895. [3, 4, 4, 13] 2 个解:
 - 1. 4 * (13 (3 + 4)) = 24
 - $2. \ 3 + 4 + 4 + 13 = 24$
- 896. [3, 4, 5, 5] 2 个解:
 - 1. 4 + 5 + 3 * 5 = 24
 - $2. \ \ 3 + 5 * 5 4 = 24$
- 897. [3, 4, 5, 6] 1 个解:
 - 1. 6 * (3 + 5 4) = 24
- 898. [3, 4, 5, 7] 6 个解:
 - 1. 5 + 7 + 3 * 4 = 24
 - 2. (3 + 5) * (7 4) = 24
 - 3. 7 + 4 * 5 3 = 24
 - 4. 4 + 5 * (7 3) = 24
 - 5. 3 * (5 + 7 4) = 24
 - 6. 3 * 4 * (7 5) = 24
- 899. [3, 4, 5, 8] 7 个解:
 - 1. 4 * 8 (3 + 5) = 24
 - $2. \ 4 * (3 + 5) 8 = 24$
 - 3. (5-3) * (4+8) = 24
 - 4. 8 * (4 + 5) / 3 = 24
 - 5. 3 * 8 / (5 4) = 24
 - 6. 3 * 8 * (5 4) = 24
 - 7. 4 * (3 + 8 5) = 24
- 900. [3, 4, 5, 9] 2 个解:
 - 1. 4 * (3 * 5 9) = 24
 - 2. 3 * (4 + 9 5) = 24
- 901. [3, 4, 5, 10] 2 个解:
 - 1. 4 + 10 * (5 3) = 24
 - 2. 3 * 4 * 10 / 5 = 24
- 902. [3, 4, 5, 11] 2 个解:
 - 1. 5 * (3 + 4) 11 = 24
 - $2. \ 3 * 11 (4 + 5) = 24$
- 903. [3, 4, 5, 12] 8 个解:
 - 1. 12 * (3 + 4 5) = 24
 - 2. 12 * (3 + 5) / 4 = 24
 - 3. 4 * 12 / (5 3) = 24
 - 4. 4 * 5 + 12 / 3 = 24
 - 5. 3 ***** (4 ***** 5 12) = 24

- 6. 3 * (5 + 12 / 4) = 24
- 7. 3 + 4 + 5 + 12 = 24
- 8. 4 + 5 * 12 / 3 = 24
- 904. [3, 4, 5, 13] 2 个解:
 - 1. 13 + 3 * 5 4 = 24
 - $2. \ 4 * (5 + 13) / 3 = 24$
- 905. [3, 4, 6, 6] 4 个解:
 - 1. 6 ***** 6 3 ***** 4 = 24
 - 2. 6 + 6 + 3 * 4 = 24
 - 3. 3 * (4 + 6) 6 = 24
 - 4. 3 * (6 + 6 4) = 24
- 906. [3, 4, 6, 7] 无解
- 907. [3, 4, 6, 8] 5 个解:
 - 1. 6 * (3 * 4 8) = 24
 - $2. \ 4 * (8 6 / 3) = 24$
 - 3. 6 * (4 + 8) / 3 = 24
 - 4. 3 * (6 + 8 / 4) = 24
 - 5. 3 * 4 * (8 6) = 24
- 908. [3, 4, 6, 9] 2 个解:
 - 1. (6-4) * (3+9) = 24
 - $2. \ 4 * (3 + 9 6) = 24$
- 909. [3, 4, 6, 10] 4 个解:
 - 1. 10 + 3 * 6 4 = 24
 - $2. \ 3 * (4 + 10 6) = 24$
 - 3. 6 + 3 * (10 4) = 24
 - 4. 4 + 6 ***** 10 / 3 = 24
- 910. [3, 4, 6, 11] 3 个解:
 - 1. 6 * (11 (3 + 4)) = 24
 - 2. 6 / (3 11 / 4) = 24
 - $3. \ \ 3 + 4 + 6 + 11 = 24$
- 911. [3, 4, 6, 12] 7 个解:
 - 1. 4 * (3 + 6) 12 = 24
 - 2. (6 3) * (12 4) = 24
 - 3. 12 + 4 * (6 3) = 24
 - 4. 4 * (3 * 6 12) = 24
 - 5. 12 * (4 6 / 3) = 24
 - 6. 3 ***** 4 ***** 12 / 6 = 24
 - 7. 4 * (6 + 12) / 3 = 24
- 912. [3, 4, 6, 13] 2 个解:
 - 1. 6 * (3 + 13) / 4 = 24

- 2. 6 / (13 / 4 3) = 24
- 913. [3, 4, 7, 7] 4 个解:
 - 1. 7 * (7 3) 4 = 24
 - 2. 7 + 3 * 7 4 = 24
 - 3. 3 + 7 * (7 4) = 24
 - 4. 3 + 4 * 7 7 = 24
- 914. [3, 4, 7, 8] 1 个解:
 - 1. 8 + 4 * (7 3) = 24
- 915. [3, 4, 7, 9] 4 个解:
 - 1. 3 * (4 + 7) 9 = 24
 - 2. 9 * (7 4) 3 = 24
 - 3. 4 + 3 * 9 7 = 24
 - 4. 3 * 4 * (9 7) = 24
- 916. [3, 4, 7, 10] 3 个解:
 - 1. (7 3) * (10 4) = 24
 - $2. \ 4 * (3 + 10 7) = 24$
 - $3. \ \ 3 + 4 + 7 + 10 = 24$
- 917. [3, 4, 7, 11] 3 个解:
 - 1. (7 4) * (11 3) = 24
 - $2. \ 3 * (4 + 11 7) = 24$
 - 3. 4 * (7 + 11) / 3 = 24
- 918. [3, 4, 7, 12] 4 个解:
 - 1. 3 * 7 + 12 / 4 = 24
 - 2. 4 * 7 12 / 3 = 24
 - 3. 7 * 12 / 3 4 = 24
 - 4. 3 + 7 * 12 / 4 = 24
- 919. [3, 4, 7, 13] 无解
- 920. [3, 4, 8, 8] 无解
- 921. [3, 4, 8, 9] 4 个解:
 - 1. 8 * (3 * 4 9) = 24
 - 2. (8 4) * (9 3) = 24
 - 3. 8 * (3 + 9) / 4 = 24
 - $4. \ \ 3 + 4 + 8 + 9 = 24$
- 922. [3, 4, 8, 10] 4 个解:
 - 1. 8 * (10 (3 + 4)) = 24
 - $2. \ 3 * (10 8 / 4) = 24$
 - 3. 4 * (8 + 10) / 3 = 24
 - 4. 3 * 4 * (10 8) = 24

- 923. [3, 4, 8, 11] 4 个解:
 - 1. 3 + 4 * 8 11 = 24
 - $2. \ 4 * (3 + 11 8) = 24$
 - 3. 4 ***** (11 3) 8 = 24
 - 4. 8 / (4 11 / 3) = 24
- 924. [3, 4, 8, 12] 6 个解:
 - 1. 4 * 12 3 * 8 = 24
 - $2. \ 3 * 12 (4 + 8) = 24$
 - 3. 3 * (4 + 8) 12 = 24
 - 4. 12 + 3 * (8 4) = 24
 - 5. 3 * (4 + 12 8) = 24
 - 6. 8 + 4 * 12 / 3 = 24
- 925. [3, 4, 8, 13] 2 个解:
 - 1. 8 / (13 / 3 4) = 24
 - 2. 8 * (13 4) / 3 = 24
- 926. [3, 4, 9, 9] 4 个解:
 - 1. 4 * 9 (3 + 9) = 24
 - $2. \ 4 * (9 9 / 3) = 24$
 - 3. 9 + 3 * (9 4) = 24
 - 4. 4 * (9 + 9) / 3 = 24
- 927. [3, 4, 9, 10] 无解
- 928. [3, 4, 9, 11] 2 个解:
 - 1. 3 * 4 * (11 9) = 24
 - 2. (9 * 11 3) / 4 = 24
- 929. [3, 4, 9, 12] 7 个解:
 - 1. 12 * (9 (3 + 4)) = 24
 - $2. \ 3 * 9 12 / 4 = 24$
 - 3. 12 + 4 * 9 / 3 = 24
 - 4. 4 * (3 + 12 9) = 24
 - 5. 9 * (12 4) / 3 = 24
 - 6. 9 * (3 4 / 12) = 24
 - 7. 9 * 12 / 4 3 = 24
- 930. [3, 4, 9, 13] 1 个解:
 - 1. 3 * (4 + 13 9) = 24
- 931. [3, 4, 10, 10] 1 个解:
 - 1. 4 + 3 * 10 10 = 24
- 932. [3, 4, 10, 11] 无解
- 933. [3, 4, 10, 12] 5 个解:
 - 1. 12 * (3 * 4 10) = 24

- 2. 12 * (10 4) / 3 = 24
- 3. 12 / (3 10 / 4) = 24
- $4. \ 4 * (10 12 / 3) = 24$
- 5. 3 * 4 * (12 10) = 24
- 934. [3, 4, 10, 13] 3 个解:
 - 1. 4 * 10 (3 + 13) = 24
 - $2. \ 4 * (3 + 13 10) = 24$
 - $3. \ 4 + 10 + 13 3 = 24$
- 935. [3, 4, 11, 11] 无解
- 936. [3, 4, 11, 12] 3 个解:
 - 1. 12 * (11 3) / 4 = 24
 - $2. \ 3 * (11 12 / 4) = 24$
 - $3. \ 4 + 11 + 12 3 = 24$
- 937. [3, 4, 11, 13] 9 个解:
 - 1. (4 3) * (11 + 13) = 24
 - 2. (11 + 13) / (4 3) = 24
 - 3. 13 + 11 * (4 3) = 24
 - 4. 13 + 11 / (4 3) = 24
 - 5. 11 + 13 * (4 3) = 24
 - 6. 11 + 13 / (4 3) = 24
 - 7. 4 + 3 * 11 13 = 24
 - 8. 3 * 13 (4 + 11) = 24
 - 9. 3 * 4 * (13 11) = 24
- 938. [3, 4, 12, 12] 5 个解:
 - 1. (4 3) * (12 + 12) = 24
 - 2. (12 + 12) / (4 3) = 24
 - 3. 12 + 12 * (4 3) = 24
 - 4. 12 + 12 / (4 3) = 24
 - 5. 4 * (12 3) 12 = 24
- 939. [3, 4, 12, 13] 1 个解:
 - 1. 3 + 12 + 13 4 = 24
- 940. [3, 4, 13, 13] 无解
- 941. [3, 5, 5, 5] 无解
- 942. [3, 5, 5, 6] 2 个解:
 - 1. 3 * (5 + 5) 6 = 24
 - 2. 6 * (3 + 5 / 5) = 24
- 943. [3, 5, 5, 7] 2 个解:
 - 1. (5-3) * (5+7) = 24
 - 2. 3 * (7 + 5 / 5) = 24

- 944. [3, 5, 5, 8] 5个解:
 - 1. (3 + 5) * (8 5) = 24
 - 2. 8 * (3 + 5 5) = 24
 - 3. 5 + 3 * 8 5 = 24
 - 4. 3 * (5 + 8 5) = 24
 - 5. 3 * 5 * 8 / 5 = 24
- 945. [3, 5, 5, 9] 2 个解:
 - 1. 3 * (9 5 / 5) = 24
 - 2. 5 * (3 + 9 / 5) = 24
- 946. [3, 5, 5, 10] 无解
- 947. [3, 5, 5, 11] 1 个解:
 - 1. 3 + 5 + 5 + 11 = 24
- 948. [3, 5, 5, 12] 1 个解:
 - 1. 12 * (3 5 / 5) = 24
- 949. [3, 5, 5, 13] 无解
- 950. [3, 5, 6, 6] 2 个解:
 - 1. (5-3) * (6+6) = 24
 - 2. 6 * (3 + 6 5) = 24
- 951. [3, 5, 6, 7] 2 个解:
 - 1. 6 * (5 + 7) / 3 = 24
 - $2. \ 3 * (6 + 7 5) = 24$
- 952. [3, 5, 6, 8] 4 个解:
 - 1. 6 * 8 / (5 3) = 24
 - 2. 8 * (5 6 / 3) = 24
 - 3. 3 * 8 / (6 5) = 24
 - 4. 3 * 8 * (6 5) = 24
- 953. [3, 5, 6, 9] 7 个解:
 - 1. (3 + 5) * (9 6) = 24
 - 2. 6 + 9 * (5 3) = 24
 - 3. 9 + 5 * (6 3) = 24
 - 4. 3 * (5 + 6) 9 = 24
 - 5. 3 + 5 * 6 9 = 24
 - 6. 5 * (9 3) 6 = 247. 3 * (5 + 9 - 6) = 24
- 954. [3, 5, 6, 10] 2 个解:
 - 1. 3 * (6 + 10 / 5) = 24
 - $2. \ 3 + 5 + 6 + 10 = 24$

- 955. [3, 5, 6, 11] 3 个解:
 - 1. 6 * (3 * 5 11) = 24
 - 2. 11 + 3 * 6 5 = 24
 - 3. 6 + 3 * (11 5) = 24
- 956. [3, 5, 6, 12] 3 个解:
 - 1. 12 * (3 + 5 6) = 24
 - 2.6 * (12 (3 + 5)) = 24
 - 3. 12 + 6 * (5 3) = 24
- 957. [3, 5, 6, 13] 1 个解:
 - 1. (6-3) * (13-5) = 24
- 958. [3, 5, 7, 7] 无解
- 959. [3, 5, 7, 8] 3 个解:
 - 1. 8 + 3 * 7 5 = 24
 - 2. 5 * 7 (3 + 8) = 24
 - $3. \ 3 + 7 * (8 5) = 24$
- 960. [3, 5, 7, 9] 4 个解:
 - 1. 5 * 9 3 * 7 = 24
 - 2. 9 * (5 7 / 3) = 24
 - 3. (7-5) * (3+9) = 24
 - $4. \ \ 3 + 5 + 7 + 9 = 24$
- 961. [3, 5, 7, 10] 3 个解:
 - 1. (3 + 5) * (10 7) = 24
 - 2. 10 + 7 * (5 3) = 24
 - 3. 3 * (5 + 10 7) = 24
- 962. [3, 5, 7, 11] 2 个解:
 - 1. (7 3) * (11 5) = 24
 - 2. (7 * 11 5) / 3 = 24
- 963. [3, 5, 7, 12] 3 个解:
 - 1. 12 * (3 + 7) / 5 = 24
 - $2. \ 3 * 12 (5 + 7) = 24$
 - $3. \ 3 * (5 + 7) 12 = 24$
- 964. [3, 5, 7, 13] 1 个解:
 - 1. (7 + 5 * 13) / 3 = 24
- 965. [3, 5, 8, 8] 2 个解:
 - 1. 8 + 8 * (5 3) = 24
 - 2. 3 + 5 + 8 + 8 = 24
- 966. [3, 5, 8, 9] 2 个解:
 - 1. 9 * (8 5) 3 = 24

- 2. 5 + 3 * 9 8 = 24
- 967. [3, 5, 8, 10] 无解
- 968. [3, 5, 8, 11] 4 个解:
 - 1. (3 + 5) * (11 8) = 24
 - 2.8 * (11 (3 + 5)) = 24
 - 3. (8 5) * (11 3) = 24
 - 4. 3 * (5 + 11 8) = 24
- 969. [3, 5, 8, 12] 2 个解:
 - 1. 8 * (3 * 5 12) = 24
 - 2. 8 * (3 + 12) / 5 = 24
- 970. [3, 5, 8, 13] 1 个解:
 - 1. 5 * 8 (3 + 13) = 24
- 971. [3, 5, 9, 9] 3 个解:
 - 1. (9 3) * (9 5) = 24
 - 2. (9 5) * (9 3) = 24
 - 3. 9 + 5 * 9 / 3 = 24
- 972. [3, 5, 9, 10] 2 个解:
 - 1. 10 * (3 + 9) / 5 = 24
 - 2. 9 + 3 * (10 5) = 24
- 973. [3, 5, 9, 11] 无解
- 974. [3, 5, 9, 12] 4 个解:
 - 1. (3 + 5) * (12 9) = 24
 - 2. 12 * (5 9 / 3) = 24
 - 3. 12 + 3 * (9 5) = 24
 - 4. 3 * (5 + 12 9) = 24
- 975. [3, 5, 9, 13] 3 个解:
 - 1. 9 * (13 5) / 3 = 24
 - 2. 5 + 9 + 13 3 = 24
 - 3. (3 + 9 * 13) / 5 = 24
- 976. [3, 5, 10, 10] 1 个解:
 - 1. 3 * (10 10 / 5) = 24
- 977. [3, 5, 10, 11] 2 个解:
 - 1. 5 * (10 3) 11 = 24
 - 2. 5 + 3 * 10 11 = 24
- 978. [3, 5, 10, 12] 2 个解:
 - 1. 12 * (10 (3 + 5)) = 24
 - 2. 5 + 10 + 12 3 = 24

- 979. [3, 5, 10, 13] 3 个解:
 - 1. (3 + 5) * (13 10) = 24
 - $2. \ 3 * 13 (5 + 10) = 24$
 - $3. \ 3 * (5 + 13 10) = 24$
- 980. [3, 5, 11, 11] 1 个解:
 - $1. \ 5 + 11 + 11 3 = 24$
- 981. [3, 5, 11, 12] 1 个解:
- 1. 12 * (11 5) / 3 = 24
- 982. [3, 5, 11, 13] 无解
- 983. [3, 5, 12, 12] 2 个解:
 - 1. 5 ***** 12 3 ***** 12 = 24
 - 2. (12 + 5 * 12) / 3 = 24
- 984. [3, 5, 12, 13] 2 个解:
 - 1. 12 * (3 * 5 13) = 24
 - 2. 12 * (13 3) / 5 = 24
- 985. [3, 5, 13, 13] 1 个解:
 - 1. 3 + 13 + 13 5 = 24
- 986. [3, 6, 6, 6] 4 个解:
 - 1. 6 + 6 * (6 3) = 24
 - 2.6 * (6 6 / 3) = 24
 - 3. 6 * (6 + 6) / 3 = 24
 - 4. 6 * (3 + 6 / 6) = 24
- 987. [3, 6, 6, 7] 3 个解:
 - 1. 6 * 7 3 * 6 = 24
 - $2. \ 3 * (7 + 6 / 6) = 24$
 - 3. 6 * (3 + 7 6) = 24
- 988. [3, 6, 6, 8] 5 个解:
 - 1. 8 * (3 + 6 6) = 24
 - 2. 6 * (8 3) 6 = 24
 - 3. 6 + 3 * 8 6 = 24
 - 4. 3 * (6 + 8 6) = 24
 - 5. 3 ***** 6 ***** 8 / 6 = 24
- 989. [3, 6, 6, 9] 4 个解:
 - 1. 6 * 6 (3 + 9) = 24
 - $2. \ 3 * (9 6 / 6) = 24$
 - 3. 6 + 6 * 9 / 3 = 24
 - $4. \ \ 3 + 6 + 6 + 9 = 24$

- 990. [3, 6, 6, 10] 1 个解: 1. 10 * (6 - 3) - 6 = 24
- 991. [3, 6, 6, 11] 1 个解: 1. (6 + 6 * 11) / 3 = 24
- 992. [3, 6, 6, 12] 8 个解:
 - 1. 6 * 12 / (6 3) = 24
 - 2. 12 + 3 * 6 6 = 24
 - 3. 3 * 12 (6 + 6) = 24
 - 4. 3 * (6 + 6) 12 = 24
 - 5. 12 + 6 * 6 / 3 = 24
 - 6. 12 * (3 6 / 6) = 24
 - 7. 6 + 3 * (12 6) = 24
 - 8. 3 * (6 + 12 / 6) = 24
- 993. [3, 6, 6, 13] 2 个解:
 - 1. 6 * (13 (3 + 6)) = 24
 - 2. (6 * 13 6) / 3 = 24
- 994. [3, 6, 7, 7] 2 个解:
 - 1. 3 * (7 + 7 6) = 24
 - 2. 6 * (3 + 7 / 7) = 24
- 995. [3, 6, 7, 8] 4 个解:
 - 1. 3 * 8 / (7 6) = 24
 - 2. 3 * 8 * (7 6) = 24
 - 3. 6 * (3 + 8 7) = 24
 - $4. \ \ 3 + 6 + 7 + 8 = 24$
- 996. [3, 6, 7, 9] 4 个解:
 - 1. 9 + 3 * 7 6 = 24
 - 2.6 * (7 9 / 3) = 24
 - 3. 3 * (6 + 9 7) = 24
 - 4. 3 + 7 * (9 6) = 24
- 997. [3, 6, 7, 10] 1 个解:
 - 1. 10 + 6 * 7 / 3 = 24
- 998. [3, 6, 7, 11] 无解
- 999. [3, 6, 7, 12] 2 个解:
 - 1. 12 * (3 + 6 7) = 24
 - 2. (7 3) * (12 6) = 24
- 1000. [3, 6, 7, 13] 2 个解:
 - 1. 13 + 3 * 6 7 = 24
 - 2.6 + 3 * (13 7) = 24

- 1001. [3, 6, 8, 8] 3 个解:
 - 1. 6 ***** 8 3 ***** 8 = 24
 - 2. 8 + 6 * 8 / 3 = 24
 - 3. 6 * (3 + 8 / 8) = 24
- 1002. [3, 6, 8, 9] 4 个解:
 - 1. 8 * 9 / (6 3) = 24
 - 2. (8 6) * (3 + 9) = 24
 - 3. 6 * (3 + 9 8) = 24
 - 4. 8 * (6 9 / 3) = 24
- 1003. [3, 6, 8, 10] 1 个解:
 - 1. 3 * (6 + 10 8) = 24
- 1004. [3, 6, 8, 11] 无解
- 1005. [3, 6, 8, 12] 2 个解:
 - 1. 8 * (12 (3 + 6)) = 24
 - 2.6 * (8 12 / 3) = 24
- 1006. [3, 6, 8, 13] 1 个解:
 - 1. 6 + 8 + 13 3 = 24
- 1007. [3, 6, 9, 9] 3 个解:
 - 1. 6 + 3 * 9 9 = 24
 - 2. 9 * (9 6) 3 = 24
 - 3. 6 * (3 + 9 / 9) = 24
- 1008. [3, 6, 9, 10] 5 个解:
 - 1. (9 3) * (10 6) = 24
 - 2. 6 ***** 9 3 ***** 10 = 24
 - 3. 6 * (3 + 10 9) = 24
 - 4. 9 * (6 10 / 3) = 24
 - 5. 9 * 10 / 3 6 = 24
- 1009. [3, 6, 9, 11] 4 个解:
 - 1. 11 * (6 3) 9 = 24
 - 2. (9 6) * (11 3) = 24
 - $3. \ 3 * (6 + 11 9) = 24$
 - 4. 9 + 3 * (11 6) = 24
- 1010. [3, 6, 9, 12] 4 个解:
 - 1. 12 * (3 + 9) / 6 = 24
 - 2. 6 * (9 3) 12 = 24
 - 3. 3 ***** 6 ***** 12 / 9 = 24
 - 4. 6 + 9 + 12 3 = 24
- 1011. [3, 6, 9, 13] 3 个解:
 - 1. 9 + 13 + 6 / 3 = 24

- $2. \ 3 * 13 (6 + 9) = 24$
- 3. 9 * (3 + 13) / 6 = 24
- 1012. [3, 6, 10, 10] 2 个解:
 - 1. 10 * (3 6 / 10) = 24
 - 2. 6 * (3 + 10 / 10) = 24
- 1013. [3, 6, 10, 11] 2 个解:
 - 1. 6 * (3 + 11 10) = 24
 - 2. 6 + 10 + 11 3 = 24
- 1014. [3, 6, 10, 12] 7个解:
 - 1. 10 + 12 + 6 / 3 = 24
 - 2. 6 + 3 * 10 12 = 24
 - 3. 12 + 3 * (10 6) = 24
 - 4. 6 ***** 10 3 ***** 12 = 24
 - 5. (12 + 6 * 10) / 3 = 24
 - 6. 3 * (6 + 12 10) = 24
 - 7. 3 * (10 12 / 6) = 24
- 1015. [3, 6, 10, 13] 无解
- 1016. [3, 6, 11, 11] 2个解:
 - 1. 11 + 11 + 6 / 3 = 24
 - 2.6 * (3 + 11 / 11) = 24
- 1017. [3, 6, 11, 12] 2 个解:
 - 1. 12 * (11 (3 + 6)) = 24
 - 2.6 * (3 + 12 11) = 24
- 1018. [3, 6, 11, 13] 1 个解:
 - 1. 3 * (6 + 13 11) = 24
- 1019. [3, 6, 12, 12] 4个解:
 - 1. 12 * (6 3) 12 = 24
 - 2. 12 * (6 12 / 3) = 24
 - 3. 12 * (12 6) / 3 = 24
 - 4. 6 * (3 + 12 / 12) = 24
- 1020. [3, 6, 12, 13] 1 个解:
 - 1. 6 * (3 + 13 12) = 24
- 1021. [3, 6, 13, 13] 2 个解:
 - 1. 13 + 13 6 / 3 = 242. 6 * (3 + 13 / 13) = 24
- 1022. $[3, 7, 7, 7] 2 \uparrow \mathbb{M}$: 1. 3 * (7 + 7 / 7) = 24
 - $2. \ \ 3 \ + \ 7 \ + \ 7 \ + \ 7 \ = \ 24$

- 1023. [3, 7, 7, 8] 4 个解:
 - 1. 8 * (3 + 7 7) = 24
 - 2. 7 + 3 * 8 7 = 24
 - 3. 3 * (7 + 8 7) = 24
 - 4. 3 * 7 * 8 / 7 = 24
- 1024. [3, 7, 7, 9] 1 个解:
 - 1. 3 * (9 7 / 7) = 24
- 1025. [3, 7, 7, 10] 2 个解:
 - 1. 10 + 3 * 7 7 = 24
 - 2. 3 + 7 * (10 7) = 24
- 1026. [3, 7, 7, 11] 无解
- 1027. [3, 7, 7, 12] 1 个解:
 - 1. 12 * (3 7 / 7) = 24
- 1028. [3, 7, 7, 13] 2 个解:
 - 1. (7 3) * (13 7) = 24
 - 2. 7 + 7 + 13 3 = 24
- 1029. [3, 7, 8, 8] 4 个解:
 - 1. 8 * (7 3) 8 = 24
 - $2. \ 3 * 8 / (8 7) = 24$
 - 3. 3 * 8 * (8 7) = 24
 - 4. 3 * (7 + 8 / 8) = 24
- 1030. [3, 7, 8, 9] 1 个解:
 - 1. 3 * (7 + 9 8) = 24
- 1031. [3, 7, 8, 10] 无解
- 1032. [3, 7, 8, 11] 3 个解:
 - 1. 11 + 3 * 7 8 = 24
 - 2. 7 * (8 3) 11 = 24
 - $3. \ 3 + 7 * (11 8) = 24$
- 1033. [3, 7, 8, 12] 4 个解:
 - 1. 12 * (3 + 7 8) = 24
 - 2. 8 * 12 / (7 3) = 24
 - 3. 8 * (7 12 / 3) = 24
 - 4. 7 + 8 + 12 3 = 24
- 1034. [3, 7, 8, 13] 2 个解:
 - 1. 8 * (13 (3 + 7)) = 24
 - $2. \ 3 * 13 (7 + 8) = 24$

- 1035. [3, 7, 9, 9] 4 个解:
 - 1. (3 + 9) * (9 7) = 24
 - 2. (9-7) * (3+9) = 24
 - 3. (9 + 7 * 9) / 3 = 24
 - 4. 3 * (7 + 9 / 9) = 24
- 1036. [3, 7, 9, 10] 3 个解:
 - 1. 7 + 3 * 9 10 = 24
 - $2. \ 3 * (7 + 10 9) = 24$
 - 3. 9 * (10 7) 3 = 24
- 1037. [3, 7, 9, 11] 2 个解:
 - 1. (9 3) * (11 7) = 24
 - 2. 7 + 9 + 11 3 = 24
- 1038. [3, 7, 9, 12] 4 个解:
 - 1. 9 * (7 3) 12 = 24
 - 2. 12 + 3 * 7 9 = 24
 - 3. 9 + 3 * (12 7) = 24
 - 4. 3 + 7 * (12 9) = 24
- 1039. [3, 7, 9, 13] 2 个解:
 - 1. 7 * 9 3 * 13 = 24
 - 2. 9 * (7 13 / 3) = 24
- 1040. [3, 7, 10, 10] 2 个解:
 - 1. 7 + 10 + 10 3 = 24
 - 2. 3 * (7 + 10 / 10) = 24
- 1041. [3, 7, 10, 11] 2 个解:
 - 1. (10 7) * (11 3) = 24
 - $2. \ 3 * (7 + 11 10) = 24$
- 1042. [3, 7, 10, 12] 无解
- 1043. [3, 7, 10, 13] 3 个解:
 - 1. 13 + 3 * 7 10 = 24
 - 2. 7 + 3 * 10 13 = 24
 - 3. 3 + 7 * (13 10) = 24
- 1044. [3, 7, 11, 11] 1 个解:
 - 1. 3 * (7 + 11 / 11) = 24
- 1045. [3, 7, 11, 12] 3 个解:
 - 1. 12 * (3 + 11) / 7 = 24
 - 2. 12 + 3 * (11 7) = 24
 - 3. 3 * (7 + 12 11) = 24
- 1046. [3, 7, 11, 13] 无解

- 1047. [3, 7, 12, 12] 3 个解:
 - 1. 12 * (12 (3 + 7)) = 24
 - 2. (7 * 12 12) / 3 = 24
 - 3. 3 * (7 + 12 / 12) = 24
- 1048. [3, 7, 12, 13] 3 个解:
 - 1. 7 + 13 + 12 / 3 = 24
 - $2. \ 3 * (7 + 13 12) = 24$
 - 3. 12 * (13 7) / 3 = 24
- 1049. [3, 7, 13, 13] 1 个解:
 - 1. 3 * (7 + 13 / 13) = 24
- 1050. [3, 8, 8, 8] 5 个解:
 - 1. 8 * (3 + 8 8) = 24
 - 2. 8 + 3 * 8 8 = 24
 - 3. 3 * (8 + 8 8) = 24
 - 4. 3 * 8 * 8 / 8 = 24
 - 5. (8 + 8 * 8) / 3 = 24
- 1051. [3, 8, 8, 9] 3 个解:
 - 1. 3 * 8 / (9 8) = 24
 - $2. \ 3 * (9 8 / 8) = 24$
 - 3. 3 * 8 * (9 8) = 24
- 1052. [3, 8, 8, 10] 1 个解:
 - 1. (8 * 10 8) / 3 = 24
- 1053. [3, 8, 8, 11] 1 个解:
 - 1. 8 + 8 + 11 3 = 24
- 1054. [3, 8, 8, 12] 2 个解:
 - 1. 12 * (3 8 / 8) = 24
 - 2. 8 * 12 / 3 8 = 24
- 1055. [3, 8, 8, 13] 无解
- 1056. [3, 8, 9, 9] 4 个解:
 - 1. 9 + 3 * 8 9 = 24
 - 2. 8 * (3 + 9 9) = 24
 - 3. 3 * (8 + 9 9) = 24
 - 4. 3 ***** 8 ***** 9 / 9 = 24
- 1057. [3, 8, 9, 10] 4 个解:
 - 1. 3 * 8 / (10 9) = 24
 - 2. (3 + 9) * (10 8) = 24
 - 3. 8 + 9 + 10 3 = 24
 - 4. 3 * 8 * (10 9) = 24

- 1058. [3, 8, 9, 11] 2 个解:
 - 1. 8 + 3 * 9 11 = 24
 - 2. 9 * (11 8) 3 = 24
- 1059. [3, 8, 9, 12] 2 个解:
 - 1. 12 * (3 + 8 9) = 24
 - 2. (9 3) * (12 8) = 24
- 1060. [3, 8, 9, 13] 2 个解:
 - 1. 8 + 13 + 9 / 3 = 24
 - 2. 9 + 3 * (13 8) = 24
- 1061. [3, 8, 10, 10] 4 个解:
 - 1. 10 + 3 * 8 10 = 24
 - 2. 8 * (3 + 10 10) = 24
 - $3. \ 3 * (8 + 10 10) = 24$
 - 4. 3 * 8 * 10 / 10 = 24
- 1062. [3, 8, 10, 11] 2 个解:
 - 1. 3 * 8 / (11 10) = 24
 - $2. \ 3 * 8 * (11 10) = 24$
- 1063. [3, 8, 10, 12] 1 个解:
 - 1. 10 * 12 / (8 3) = 24
- 1064. [3, 8, 10, 13] 无解
- 1065. [3, 8, 11, 11] 6 个解:
 - 1. 11 + 3 * 8 11 = 24
 - 2. 8 * (3 + 11 11) = 24
 - 3. (11 3) * (11 8) = 24
 - 4. 3 * (8 + 11 11) = 24
 - 5. (11 8) * (11 3) = 24
 - 6. 3 ***** 8 ***** 11 / 11 = 24
- 1066. [3, 8, 11, 12] 2 个解:
 - 1. 3 * 8 / (12 11) = 24
 - $2. \ 3 * 8 * (12 11) = 24$
- 1067. [3, 8, 11, 13] 无解
- 1068. [3, 8, 12, 12] 6 个解:
 - 1. 12 + 3 * 8 12 = 24
 - 2. 8 * (3 + 12 12) = 24
 - 3. 8 + 12 + 12 / 3 = 24
 - 4. 3 * (8 + 12 12) = 24
 - 5. 12 + 3 * (12 8) = 24
 - 6. 3 ***** 8 ***** 12 / 12 = 24

- 1069. [3, 8, 12, 13] 4个解:
 - 1. 12 * (13 (3 + 8)) = 24
 - 2. 3 * 8 / (13 12) = 24
 - 3. 12 * (3 + 13) / 8 = 24
 - 4. 3 * 8 * (13 12) = 24
- 1070. [3, 8, 13, 13] 4 个解:
 - 1. 13 + 3 * 8 13 = 24
 - 2. 8 * (3 + 13 13) = 24
 - $3. \ 3 * (8 + 13 13) = 24$
 - 4. 3 * 8 * 13 / 13 = 24
- 1071. [3, 9, 9, 9] 3 个解:
 - 1. (9 * 9 9) / 3 = 24
 - $2. \ 3 * (9 9 / 9) = 24$
 - 3. 9 + 9 + 9 3 = 24
- 1072. [3, 9, 9, 10] 1 个解:
 - 1. 3 * (9 + 9 10) = 24
- 1073. [3, 9, 9, 11] 2 个解:
 - 1. (3 + 9) * (11 9) = 24
 - 2. 9 * 11 / 3 9 = 24
- 1074. [3, 9, 9, 12] 4 个解:
 - 1. 9 + 3 * 9 12 = 24
 - 2. 9 + 12 + 9 / 3 = 24
 - 3. 12 * (3 9 / 9) = 24
 - 4. 9 * (12 9) 3 = 24
- 1075. [3, 9, 9, 13] 1 个解:
 - 1. (9 3) * (13 9) = 24
- 1076. [3, 9, 10, 10] 1 个解:
 - 1. 3 * (9 10 / 10) = 24
- 1077. [3, 9, 10, 11] 2 个解:
 - 1. 10 + 11 + 9 / 3 = 24
 - $2. \ 3 * (9 + 10 11) = 24$
- 1078. [3, 9, 10, 12] 2 个解:
 - 1. (3 + 9) * (12 10) = 24
 - 2. 12 * (3 + 9 10) = 24
- 1079. [3, 9, 10, 13] 2 个解:
 - 1. 10 + 3 * 9 13 = 24
 - 2. 9 * (13 10) 3 = 24

- 1080. [3, 9, 11, 11] 2 个解:
 - 1. 11 * (3 9 / 11) = 24
 - $2. \ 3 * (9 11 / 11) = 24$
- 1081. [3, 9, 11, 12] 3个解:
 - 1. (11 3) * (12 9) = 24
 - $2. \ 3 * (9 + 11 12) = 24$
 - 3. 9 + 11 + 12 / 3 = 24
- 1082. [3, 9, 11, 13] 1 个解:
 - 1. (3 + 9) * (13 11) = 24
- 1083. [3, 9, 12, 12] 3 个解:
 - 1. 12 * 12 / (9 3) = 24
 - 2. 9 * 12 / 3 12 = 24
 - 3. 3 * (9 12 / 12) = 24
- 1084. [3, 9, 12, 13] 2 个解:
 - 1. 3 * (9 + 12 13) = 24
- $2. \ 12 + 3 * (13 9) = 24$
- 1085. [3, 9, 13, 13] 1 个解:

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] 3 个解:
 - 1. 3 * (10 + 10 12) = 24
 - 2. 12 * (3 10 / 10) = 24
 - $3. \ 10 + 10 + 12 / 3 = 24$
- 1089. [3, 10, 10, 13] 无解
- 1090. [3, 10, 11, 11] 无解
- 1091. [3, 10, 11, 12] 1 个解:
 - 1. 12 * (3 + 10 11) = 24
- 1092. [3, 10, 11, 13] 2 个解:
 - 1. (11 3) * (13 10) = 24
 - $2. \ 3 * (10 + 11 13) = 24$
- 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. $[3, 11, 11, 12] 1 \land m$: 1. 12 * (3 - 11 / 11) = 24
- 1098. [3, 11, 11, 13] 无解
- 1099. $[3, 11, 12, 12] 1 \land \text{#}:$ 1. 12 * (3 + 11 - 12) = 24
- 1100. [3, 11, 12, 13] 无解
- 1101. [3, 11, 13, 13] 无解
- 1102. [3, 12, 12] 1 个解:
 - 1. 12 * (3 12 / 12) = 24
- 1103. $[3, 12, 12, 13] 1 \land \text{#}:$ 1. 12 * (3 + 12 - 13) = 24
- 1104. [3, 12, 13, 13] 1 个解:
 - 1. 12 * (3 13 / 13) = 24
- 1105. [3, 13, 13, 13] 无解
- 1106. [4, 4, 4, 4] 1 个解:
 - 1. 4 + 4 + 4 * 4 = 24
- 1107. [4, 4, 4, 5] 1 个解:
 - 1. 4 * (5 + 4 / 4) = 24
- 1108. [4, 4, 4, 6] 4 个解:
 - 1. 6 * (4 + 4 4) = 24
 - $2. \ 4 * (4 + 6 4) = 24$
 - 3. 4 + 4 * 6 4 = 24
 - 4. 4 * 4 * 6 / 4 = 24
- 1109. [4, 4, 4, 7] 2 个解:
 - 1. (4 + 4) * (7 4) = 24
 - $2. \ 4 * (7 4 / 4) = 24$
- 1110. [4, 4, 4, 8] 4个解:
 - 1. 4 * 8 (4 + 4) = 24
 - $2. \ 4 * (4 + 4) 8 = 24$
 - 3. 8 * (4 4 / 4) = 24
 - $4. \ 4 * (4 + 8 / 4) = 24$
- 1111. [4, 4, 4, 9] 1 个解:

- 1. 4 + 4 * (9 4) = 24
- 1112. [4, 4, 4, 10] 2 个解:
 - 1. 4 * 10 4 * 4 = 24
 - $2. \ 4 * (4 * 4 10) = 24$
- 1113. [4, 4, 4, 11] 1 个解:
 - 1. 4 * (11 4) 4 = 24
- 1114. [4, 4, 4, 12] 3 个解:
 - 1. 12 * (4 + 4) / 4 = 24
 - 2. 12 + 4 * 4 4 = 24
 - $3. \ 4 + 4 + 4 + 12 = 24$
- 1115. [4, 4, 4, 13] 无解
- 1116. [4, 4, 5, 5] 3 个解:
 - 1. 5 * 5 4 / 4 = 24
 - $2. \ 5 * (4 + 4 / 5) = 24$
 - 3. 4 * (5 + 5 4) = 24
- 1117. [4, 4, 5, 6] 3 个解:
 - 1. 6 * (5 4 / 4) = 24
 - $2. \ 4 * 6 / (5 4) = 24$
 - 3. 4 * 6 * (5 4) = 24
- 1118. [4, 4, 5, 7] 1 个解:
 - 1. 4 * (4 + 7 5) = 24
- 1119. [4, 4, 5, 8] 5 个解:
 - 1. (4 + 4) * (8 5) = 24
 - 2. 8 * (4 + 4 5) = 24
 - 3. 5 * 8 4 * 4 = 24
 - 4. 8 + 4 * 5 4 = 24
 - 5. 4 + 5 * (8 4) = 24
- 1120. [4, 4, 5, 9] 无解
- 1121. [4, 4, 5, 10] 2 个解:
 - 1. 4 + 4 * (10 5) = 24
 - $2. \ 4 * (4 + 10 / 5) = 24$
- 1122. [4, 4, 5, 11] 2 个解:
 - 1. 4 * 11 4 * 5 = 24
 - $2. \ 4 + 4 + 5 + 11 = 24$
- 1123. [4, 4, 5, 12] 2 个解:
 - 1. 4 * (4 + 5) 12 = 24
 - $2. \ 4 * (12 5) 4 = 24$

- 1124. [4, 4, 5, 13] 1 个解:
 - 1. 13 + 4 * 4 5 = 24
- 1125. [4, 4, 6, 6] 无解
- 1126. [4, 4, 6, 7] 无解
- 1127. [4, 4, 6, 8] 2 个解:
 - 1. (6-4) * (4+8) = 24
 - $2. \ 4 * (4 + 8 6) = 24$
- 1128. [4, 4, 6, 9] 2 个解:
 - 1. (4 + 4) * (9 6) = 24
 - 2. 4 * 4 * 9 / 6 = 24
- 1129. [4, 4, 6, 10] 2 个解:
 - 1. 4 + 10 * (6 4) = 24
 - $2. \ 4 + 4 + 6 + 10 = 24$
- 1130. [4, 4, 6, 11] 1 个解:
 - 1. 4 + 4 * (11 6) = 24
- 1131. [4, 4, 6, 12] 7 个解:
 - 1. 12 * (4 + 4 6) = 24
 - 2. 6 * (12 (4 + 4)) = 24
 - 3. 6 * (4 * 4 12) = 24
 - 4. 4 * 12 / (6 4) = 24
 - 5. 4 ***** 12 4 ***** 6 = 24
 - 6. 6 ***** (4 + 12) / 4 = 24
 - 7. 4 * (4 + 12 / 6) = 24
- 1132. 「4, 4, 6, 13] 1 个解:
 - 1. 4 * (13 6) 4 = 24
- 1133. [4, 4, 7, 7] 1 个解:
 - 1. 7 * (4 4 / 7) = 24
- 1134. [4, 4, 7, 8] 2 个解:
 - 1. 4 + 4 * 7 8 = 24
 - 2. 7 * (8 4) 4 = 24
- 1135. [4, 4, 7, 9] 2 个解:
 - 1. 4 * (4 + 9 7) = 24
 - $2. \ 4 + 4 + 7 + 9 = 24$
- 1136. [4, 4, 7, 10] 1 个解:
 - 1. (4 + 4) * (10 7) = 24

- 1137. [4, 4, 7, 11] 无解
- 1138. [4, 4, 7, 12] 3 个解:
 - 1. (7 4) * (12 4) = 24
 - 2. 12 + 4 * (7 4) = 24
 - 3. 4 + 4 * (12 7) = 24
- 1139. [4, 4, 7, 13] 1 个解:
 - 1. 4 * 13 4 * 7 = 24
- 1140. [4, 4, 8, 8] 4个解:
 - 1. 8 * (4 + 8) / 4 = 24
 - 2. 8 + 4 * (8 4) = 24
 - 3. 4 * (8 8 / 4) = 24
 - $4. \ 4 + 4 + 8 + 8 = 24$
- 1141. [4, 4, 8, 9] 1 个解:
 - 1. 4 * 9 (4 + 8) = 24
- 1142. [4, 4, 8, 10] 3 个解:
 - 1. (8 4) * (10 4) = 24
 - $2. \ 4 * (4 + 10 8) = 24$
 - 3. 4 + 8 * 10 / 4 = 24
- 1143. [4, 4, 8, 11] 2 个解:
 - 1. (4 + 4) * (11 8) = 24
 - 2. 8 * (11 (4 + 4)) = 24
- 1144. [4, 4, 8, 12] 4 个解:
 - 1. 4 + 4 * 8 12 = 24
 - 2. 12 * (4 8 / 4) = 24
 - 3. 4 * (12 4) 8 = 24
 - 4. 4 * 4 * 12 / 8 = 24
- 1145. [4, 4, 8, 13] 2 个解:
 - 1. 8 * (4 * 4 13) = 24
 - $2. \ 4 + 4 * (13 8) = 24$
- 1146. [4, 4, 9, 9] 无解
- 1147. [4, 4, 9, 10] 无解
- 1148. [4, 4, 9, 11] 1 个解:
 - 1. 4 * (4 + 11 9) = 24
- 1149. [4, 4, 9, 12] 2 个解:
 - 1. (4 + 4) * (12 9) = 24
 - $2. \ 4 * (9 12 / 4) = 24$

- 1150. [4, 4, 9, 13] 无解
- 1151. [4, 4, 10, 10] 1 个解:
 - 1. (10 * 10 4) / 4 = 24
- 1152. [4, 4, 10, 11] 无解
- 1153. [4, 4, 10, 12] 3 个解:
 - 1. 12 * (10 (4 + 4)) = 24
 - $2. \ 4 * 10 (4 + 12) = 24$
 - $3. \ 4 * (4 + 12 10) = 24$
- 1154. [4, 4, 10, 13] 2 个解:
 - 1. (4 + 4) * (13 10) = 24
 - $2. \ 10 + 13 + 4 / 4 = 24$
- 1155. [4, 4, 11, 11] 无解
- 1156. [4, 4, 11, 12] 1 个解:
 - 1. 11 + 12 + 4 / 4 = 24
- 1157. [4, 4, 11, 13] 5个解:
 - 1. 13 + 4 * 11 / 4 = 24
 - $2. \ 4 * (4 + 13 11) = 24$
 - 3. 11 + 4 * 13 / 4 = 24
 - $4. \ 4 + 11 + 13 4 = 24$
 - 5. 4 * (11 + 13) / 4 = 24
- 1158. [4, 4, 12, 12] 4 个解:
 - 1. 12 * (12 4) / 4 = 24
 - 2. 12 + 4 * 12 / 4 = 24
 - $3. \ 4 + 12 + 12 4 = 24$
 - $4. \ 4 * (12 + 12) / 4 = 24$
- 1159. [4, 4, 12, 13] 2 个解:
 - 1. 12 + 13 4 / 4 = 24
 - $2. \ 4 * (13 4) 12 = 24$
- 1160. [4, 4, 13, 13] 无解
- 1161. [4, 5, 5, 5] 2 个解:
 - 1. 4 + 5 * 5 5 = 24
 - $2. \ 4 * (5 + 5 / 5) = 24$
- 1162. [4, 5, 5, 6] 4 个解:
 - 1. 6 * (4 + 5 5) = 24
 - 2. 5 + 4 * 6 5 = 24
 - 3. 4 * (5 + 6 5) = 24
 - 4. 4 * 5 * 6 / 5 = 24

- 1163. [4, 5, 5, 7] 1 个解:
 - 1. 4 * (7 5 / 5) = 24
- 1164. [4, 5, 5, 8] 1 个解:
 - 1. 8 * (4 5 / 5) = 24
- 1165. [4, 5, 5, 9] 2 个解:
 - 1. 9 + 4 * 5 5 = 24
 - $2. \ 4 + 5 * (9 5) = 24$
- 1166. [4, 5, 5, 10] 1 个解:
 - 1. 4 + 5 + 5 + 10 = 24
- 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] 3 个解:
 - 1. 4 * 6 / (6 5) = 24
 - $2. \ 4 * 6 * (6 5) = 24$
- 3. 4 * (5 + 6 / 6) = 24
- 1171. [4, 5, 6, 7] 2 个解:
 - 1. (6-4) * (5+7) = 24
 - $2. \ 4 * (5 + 7 6) = 24$
- 1172. [4, 5, 6, 8] 1 个解:
 - 1. 8 * (4 + 5 6) = 24
- 1173. [4, 5, 6, 9] 1 个解:
 - 1. 4 + 5 + 6 + 9 = 24
- 1174. [4, 5, 6, 10] 4 个解:
 - 1. 10 + 4 * 5 6 = 24
 - $2. \ 4 + 5 * 6 10 = 24$
 - 3. 5 * (10 4) 6 = 24
 - 4. 4 + 5 * (10 6) = 24
- 1175. [4, 5, 6, 11] 1 个解:
 - 1. 6 * (5 + 11) / 4 = 24
- 1176. [4, 5, 6, 12] 1 个解:
 - 1. 12 * (4 + 6) / 5 = 24
- 1177. [4, 5, 6, 13] 1 个解:
 - 1. 6 * (13 (4 + 5)) = 24

- 1178. [4, 5, 7, 7] 2 个解:
 - 1. 5 * 7 (4 + 7) = 24
 - $2. \ 4 * (5 + 7 / 7) = 24$
- 1179. [4, 5, 7, 8] 4个解:
 - 1. 8 * (5 + 7) / 4 = 24
 - 2. (7 5) * (4 + 8) = 24
 - 3. 4 * (5 + 8 7) = 24
 - $4. \ 4 + 5 + 7 + 8 = 24$
- 1180. [4, 5, 7, 9] 4 个解:
 - 1. 9 + 5 * (7 4) = 24
 - 2. 5 + 4 * 7 9 = 24
 - 3. 4 * 9 (5 + 7) = 24
 - 4. 7 * (9 5) 4 = 24
- 1181. [4, 5, 7, 10] 1 个解:
 - 1. 4 + 10 * (7 5) = 24
- 1182. [4, 5, 7, 11] 2 个解:
 - 1. 11 + 4 * 5 7 = 24
 - $2. \ 4 + 5 * (11 7) = 24$
- 1183. [4, 5, 7, 12] 2 个解:
 - 1. 12 * (4 + 5 7) = 24
 - $2. \ 4 * 12 / (7 5) = 24$
- 1184. [4, 5, 7, 13] 2 个解:
 - 1. (7-4) * (13-5) = 24
 - 2. (5 + 7 * 13) / 4 = 24
- 1185. [4, 5, 8, 8] 2 个解:
 - 1. 8 * (5 8 / 4) = 24
 - $2. \ 4 * (5 + 8 / 8) = 24$
- 1186. [4, 5, 8, 9] 2 个解:
 - 1. 4 * (5 + 9 8) = 24
 - 2. 8 + 4 * (9 5) = 24
- 1187. [4, 5, 8, 10] 4 个解:
 - 1. 10 * (4 + 8) / 5 = 24
 - 2. 10 * (4 8 / 5) = 24
 - 3. 4 * (8 10 / 5) = 24
 - 4. 5 * (4 + 8 / 10) = 24
- 1188. [4, 5, 8, 11] 2 个解:
 - 1. (8 4) * (11 5) = 24
 - 2. 8 * (4 + 11) / 5 = 24

- 1189. [4, 5, 8, 12] 6 个解:
 - 1. 8 * (12 (4 + 5)) = 24
 - 2. 12 + 4 * 5 8 = 24
 - 3. (8-5) * (12-4) = 24
 - 4. 12 + 4 * (8 5) = 24
 - 5. 5 * 8 (4 + 12) = 24
 - 6. 4 + 5 * (12 8) = 24
- 1190. [4, 5, 8, 13] 2 个解:
 - 1. 5 + 4 * 8 13 = 24
 - $2. \ 4 * (13 5) 8 = 24$
- 1191. [4, 5, 9, 9] 1 个解:
 - 1. 4 * (5 + 9 / 9) = 24
- 1192. [4, 5, 9, 10] 2 个解:
 - 1. (9-5) * (10-4) = 24
 - $2. \ 4 * (5 + 10 9) = 24$
- 1193. [4, 5, 9, 11] 无解
- 1194. [4, 5, 9, 12] 2 个解:
 - 1. 5 ***** 12 4 ***** 9 = 24
 - 2. 9 + 5 * 12 / 4 = 24
- 1195. [4, 5, 9, 13] 2 个解:
 - 1. 13 + 4 * 5 9 = 24
 - $2. \ 4 + 5 * (13 9) = 24$
- 1196. [4, 5, 10, 10] 2 个解:
 - 1. 4 + 10 * 10 / 5 = 24
 - $2. \ 4 * (5 + 10 / 10) = 24$
- 1197. [4, 5, 10, 11] 2 个解:
 - 1. 4 * 10 (5 + 11) = 24
 - $2. \ 4 * (5 + 11 10) = 24$
- 1198. [4, 5, 10, 12] 2 个解:
 - 1. 12 * (4 10 / 5) = 24
 - 2. 4 * 5 * 12 / 10 = 24
- 1199. [4, 5, 10, 13] 1 个解:
 - 1. 5 + 10 + 13 4 = 24
- 1200. [4, 5, 11, 11] 2 个解:
 - 1. 5 * (11 4) 11 = 24
 - $2. \ 4 * (5 + 11 / 11) = 24$

- 1201. [4, 5, 11, 12] 3 个解:
 - 1. 12 * (11 (4 + 5)) = 24
 - $2. \ 4 * (5 + 12 11) = 24$
 - 3. 5 + 11 + 12 4 = 24
- 1202. [4, 5, 11, 13] 6 个解:
 - 1. (5-4) * (11+13) = 24
 - 2. (11 + 13) / (5 4) = 24
 - 3. 13 + 11 * (5 4) = 24
 - 4. 13 + 11 / (5 4) = 24
 - 5. 11 + 13 * (5 4) = 24
 - 6. 11 + 13 / (5 4) = 24
- 1203. [4, 5, 12, 12] 6 个解:
 - 1. (5 4) * (12 + 12) = 24
 - 2. (12 + 12) / (5 4) = 24
 - 3. 12 + 12 * (5 4) = 24
 - 4. 12 + 12 / (5 4) = 24
 - 5. 12 * (5 12 / 4) = 24
 - 6. 4 * (5 + 12 / 12) = 24
- 1204. [4, 5, 12, 13] 3 个解:
 - 1. 4 * (5 + 13 12) = 24
 - 2. 12 * (13 5) / 4 = 24
 - $3. \ 4 + 12 + 13 5 = 24$
- 1205. [4, 5, 13, 13] 1 个解:
 - 1. 4 * (5 + 13 / 13) = 24
- 1206. [4, 6, 6, 6] 6 个解:
 - 1. 6 * (4 + 6 6) = 24
 - 2. (6 4) * (6 + 6) = 24
 - 3. 6 + 4 * 6 6 = 24
 - 4. (6 + 6) * (6 4) = 24
 - 5. 4 * (6 + 6 6) = 24
 - 6. 4 ***** 6 ***** 6 / 6 = 24
- 1207. [4, 6, 6, 7] 4 个解:
 - 1. 4 * 6 / (7 6) = 24
 - $2. \ 4 * (7 6 / 6) = 24$
 - 3. 6 + 6 * (7 4) = 24
 - 4. 4 * 6 * (7 6) = 24
- 1208. [4, 6, 6, 8] 7 个解:
 - 1. 6 * 8 / (6 4) = 24
 - 2. 6 * 8 4 * 6 = 24
 - 3. 8 * (6 + 6) / 4 = 24
 - $4. \ 6 * 6 (4 + 8) = 24$
 - 5. 8 * (4 6 / 6) = 24

- 6. 6 * (6 8 / 4) = 24
- 7. 4 + 6 + 6 + 8 = 24
- 1209. [4, 6, 6, 9] 3 个解:
 - 1. 6 + 9 * (6 4) = 24
 - $2. \ 4 * 9 (6 + 6) = 24$
 - 3. 6 * (9 4) 6 = 24
- 1210. [4, 6, 6, 10] 1 个解:
 - 1. 6 * (6 + 10) / 4 = 24
- 1211. [4, 6, 6, 11] 无解
- 1212. [4, 6, 6, 12] 2 个解:
 - 1. 12 + 6 * (6 4) = 24
 - 2. 6 + 6 * 12 / 4 = 24
- 1213. [4, 6, 6, 13] 无解
- 1214. [4, 6, 7, 7] 5 个解:
 - 1. 7 + 4 * 6 7 = 24
 - 2. 6 * (4 + 7 7) = 24
 - 3. 4 * (6 + 7 7) = 24
 - 4. 4 * 6 * 7 / 7 = 24
 - 5. 4 + 6 + 7 + 7 = 24
- 1215. [4, 6, 7, 8] 3 个解:
 - 1. 8 * (4 + 6 7) = 24
 - $2. \ 4 * 6 / (8 7) = 24$
 - 3. 4 * 6 * (8 7) = 24
- 1216. [4, 6, 7, 9] 1 个解:
 - 1. 6 * (7 + 9) / 4 = 24
- 1217. [4, 6, 7, 10] 4 个解:
 - 1. 10 + 7 * (6 4) = 24
 - 2. 10 * (7 4) 6 = 24
 - 3. 6 + 4 * 7 10 = 24
 - 4. 7 * (10 6) 4 = 24
- 1218. [4, 6, 7, 11] 无解
- 1219. [4, 6, 7, 12] 2 个解:
 - 1. 6 * 12 / (7 4) = 24
 - 2. 6 * (7 12 / 4) = 24
- 1220. [4, 6, 7, 13] 无解
- 1221. [4, 6, 8, 8] 8 个解:

- 1. 8 + 8 * (6 4) = 24
- 2. 8 + 4 * 6 8 = 24
- 3. (4 + 8) * (8 6) = 24
- 4. 6 * (4 + 8 8) = 24
- 5. 4 * (6 + 8 8) = 24
- 6. (8-6) * (4+8) = 24
- 7. 4 * 6 * 8 / 8 = 24
- 8. 6 * (8 + 8) / 4 = 24
- 1222. [4, 6, 8, 9] 4 个解:
 - 1. 4 * 6 / (9 8) = 24
 - 2. 9 * (4 8 / 6) = 24
 - 3. 4 * 6 * (9 8) = 24
 - 4. 6 + 8 * 9 / 4 = 24
- 1223. [4, 6, 8, 10] 2 个解:
 - 1. 4 + 10 * (8 6) = 24
 - 2. 8 + 4 * (10 6) = 24
- 1224. [4, 6, 8, 11] 无解
- 1225. [4, 6, 8, 12] 7 个解:
 - 1. 12 * (4 + 6 8) = 24
 - 2. 12 * (4 + 8) / 6 = 24
 - 3. (8-4) * (12-6) = 24
 - 4. 4 * 12 / (8 6) = 24
 - 5. 12 + 6 * 8 / 4 = 24
 - 6. 8 * (6 12 / 4) = 24
 - 7. 4 * (8 12 / 6) = 24
- 1226. [4, 6, 8, 13] 1 个解:
 - 1. 8 * (13 (4 + 6)) = 24
- 1227. [4, 6, 9, 9] 4 个解:
 - 1. 9 + 4 * 6 9 = 24
 - 2. 6 * (4 + 9 9) = 24
 - 3. 4 * (6 + 9 9) = 24
 - 4. 4 * 6 * 9 / 9 = 24
- 1228. [4, 6, 9, 10] 5 个解:
 - 1. 4 * 6 / (10 9) = 24
 - 2. 6 * 10 4 * 9 = 24
 - 3. 9 + 6 ***** 10 / 4 = 24
 - $4. \ 4 * 6 * (10 9) = 24$
 - 5. (6 + 9 * 10) / 4 = 24
- 1229. [4, 6, 9, 11] 无解
- 1230. [4, 6, 9, 12] 3 个解:

- 1. (9 6) * (12 4) = 24
- 2. 12 + 4 * (9 6) = 24
- 3. 9 * (4 + 12) / 6 = 24
- 1231. [4, 6, 9, 13] 1 个解:
 - 1. 6 + 9 + 13 4 = 24
- 1232. [4, 6, 10, 10] 7 个解:
 - 1. 10 + 4 * 6 10 = 24
 - 2. 6 * (4 + 10 10) = 24
 - 3. (10 4) * (10 6) = 24
 - 4. 4 * 10 (6 + 10) = 24
 - 5. 4 * (6 + 10 10) = 24
 - 6. (10 6) * (10 4) = 24
 - 7. 4 * 6 * 10 / 10 = 24
- 1233. [4, 6, 10, 11] 2 个解:
 - 1. 4 * 6 / (11 10) = 24
 - $2. \ 4 * 6 * (11 10) = 24$
- 1234. [4, 6, 10, 12] 4 个解:
 - 1. 6 * (10 4) 12 = 24
 - $2. \ 6 + 10 + 12 4 = 24$
 - 3. 10 * 12 / 4 6 = 24
 - 4. 4 + 10 * 12 / 6 = 24
- 1235. [4, 6, 10, 13] 无解
- 1236. [4, 6, 11, 11] 5个解:
 - 1. 11 + 4 * 6 11 = 24
 - 2. 6 * (4 + 11 11) = 24
 - $3. \ 4 * (6 + 11 11) = 24$
 - 4. 4 * 6 * 11 / 11 = 24
 - $5. \ 6 + 11 + 11 4 = 24$
- 1237. [4, 6, 11, 12] 2 个解:
 - 1. 4 * 6 / (12 11) = 242. 4 * 6 * (12 - 11) = 24
- 1238. [4, 6, 11, 13] 无解
- 1239. [4, 6, 12, 12] 7个解:
 - 1. 12 * (12 (4 + 6)) = 24
 - 2. 12 + 4 * 6 12 = 24
 - 3. 6 * (4 + 12 12) = 24
 - 4. 6 * 12 4 * 12 = 24
 - 5. 4 * (6 + 12 12) = 24
 - 6. 4 ***** 6 ***** 12 / 12 = 24
 - 7. 12 * (4 12 / 6) = 24

- 1240. [4, 6, 12, 13] 2 个解:
 - 1. 4 * 6 / (13 12) = 24
 - $2. \ 4 * 6 * (13 12) = 24$
- 1241. [4, 6, 13, 13] 5个解:
 - 1. 13 + 4 * 6 13 = 24
 - 2. 6 * (4 + 13 13) = 24
 - $3. \ 4 * (6 + 13 13) = 24$
 - 4. 4 * 6 * 13 / 13 = 24
 - $5. \ 4 + 13 + 13 6 = 24$
- 1242. [4, 7, 7, 7] 1 个解:
 - 1. 4 * (7 7 / 7) = 24
- 1243. [4, 7, 7, 8] 2 个解:
 - 1. 4 * (7 + 7 8) = 24
 - 2. 8 * (4 7 / 7) = 24
- 1244. [4, 7, 7, 9] 无解
- 1245. [4, 7, 7, 10] 无解
- 1246. [4, 7, 7, 11] 2 个解:
 - 1. 7 + 4 * 7 11 = 24
 - 2. 7 * (11 7) 4 = 24
- 1247. [4, 7, 7, 12] 无解
- 1248. [4, 7, 7, 13] 无解
- 1249. [4, 7, 8, 8] 3 个解:
 - 1. 8 * (4 + 7 8) = 24
 - 2. 7 * 8 4 * 8 = 24
 - 3. 4 * (7 8 / 8) = 24
- 1250. [4, 7, 8, 9] 3 个解:
 - 1. 8 * 9 / (7 4) = 24
 - $2. \quad (4 + 8) * (9 7) = 24$
 - 3. 4 * (7 + 8 9) = 24
- 1251. [4, 7, 8, 10] 1 个解:
 - 1. 10 + 7 * 8 / 4 = 24
- 1252. [4, 7, 8, 11] 1 个解:
 - 1. 8 + 4 * (11 7) = 24
- 1253. [4, 7, 8, 12] 2 个解:
 - 1. 8 + 4 * 7 12 = 24

- 2. 7 * (12 8) 4 = 24
- 1254. [4, 7, 8, 13] 2 个解:
 - 1. (8 4) * (13 7) = 24
 - 2. 7 + 8 + 13 4 = 24
- 1255. [4, 7, 9, 9] 1 个解:
 - 1. 4 * (7 9 / 9) = 24
- 1256. [4, 7, 9, 10] 3 个解:
 - 1. 4 * 10 (7 + 9) = 24
 - $2. \ 4 * (7 + 9 10) = 24$
 - $3. \ 4 + 10 * (9 7) = 24$
- 1257. [4, 7, 9, 11] 2 个解:
 - 1. 11 * (7 4) 9 = 24
 - 2. 7 * (9 4) 11 = 24
- 1258. [4, 7, 9, 12] 3 个解:
 - 1. 12 * (4 + 7 9) = 24
 - $2. \ 4 * 12 / (9 7) = 24$
 - 3. 7 + 9 + 12 4 = 24
- 1259. [4, 7, 9, 13] 2 个解:
 - 1. 9 + 4 * 7 13 = 24
 - 2. 7 * (13 9) 4 = 24
- 1260. [4, 7, 10, 10] 1 个解:
 - 1. 4 * (7 10 / 10) = 24
- 1261. [4, 7, 10, 11] 3 个解:
 - 1. (10 4) * (11 7) = 24
 - $2. \ 4 * (7 + 10 11) = 24$
 - 3. 7 + 10 + 11 4 = 24
- 1262. [4, 7, 10, 12] 3 个解:
 - 1. 12 * (4 + 10) / 7 = 24
 - 2. (10 7) * (12 4) = 24
 - 3. 12 + 4 * (10 7) = 24
- 1263. [4, 7, 10, 13] 无解
- 1264. [4, 7, 11, 11] 1 个解:
 - 1. 4 * (7 11 / 11) = 24
- 1265. [4, 7, 11, 12] 1 个解:
 - 1. 4 * (7 + 11 12) = 24
- 1266. [4, 7, 11, 13] 1 个解:

- 1. 4 * 11 (7 + 13) = 24
- 1267. [4, 7, 12, 12] 3 个解:
 - 1. 12 * (7 4) 12 = 24
 - 2. (12 + 7 * 12) / 4 = 24
 - 3. 4 * (7 12 / 12) = 24
- 1268. [4, 7, 12, 13] 2 个解:
 - 1. 12 * (13 (4 + 7)) = 24
 - $2. \ 4 * (7 + 12 13) = 24$
- 1269. [4, 7, 13, 13] 1 个解:
 - 1. 4 * (7 13 / 13) = 24
- 1270. [4, 8, 8, 8] 3 个解:
 - 1. 8 * (8 4) 8 = 24
 - 2. 8 + 8 * 8 / 4 = 24
 - 3. 8 * (4 8 / 8) = 24
- 1271. [4, 8, 8, 9] 1 个解:
 - 1. 8 * (4 + 8 9) = 24
- 1272. [4, 8, 8, 10] 4 个解:
 - 1. (4 + 8) * (10 8) = 24
 - 2. 4 * 10 (8 + 8) = 24
 - 3. 4 * (8 + 8 10) = 24
 - 4. 8 ***** 8 4 ***** 10 = 24
- 1273. [4, 8, 8, 11] 1 个解:
 - 1. (8 + 8 * 11) / 4 = 24
- 1274. [4, 8, 8, 12] 3 个解:
 - 1. 8 * 12 / (8 4) = 24
 - 2. 8 + 4 * (12 8) = 24
 - 3. 8 + 8 + 12 4 = 24
- 1275. [4, 8, 8, 13] 1 个解:
 - 1. (8 * 13 8) / 4 = 24
- 1276. [4, 8, 9, 9] 1 个解:
 - 1. 8 * (4 9 / 9) = 24
- 1277. [4, 8, 9, 10] 1 个解:
 - 1. 8 * (4 + 9 10) = 24
- 1278. [4, 8, 9, 11] 3 个解:
 - 1. (4 + 8) * (11 9) = 24
 - 2. 4 * (8 + 9 11) = 24
 - 3. 8 + 9 + 11 4 = 24

- 1279. [4, 8, 9, 12] 3 个解:
 - 1. 9 * (8 4) 12 = 24
 - 2. 8 * 9 4 * 12 = 24
 - 3. 4 ***** 8 ***** 9 / 12 = 24
- 1280. [4, 8, 9, 13] 2 个解:
 - 1. 9 + 13 + 8 / 4 = 24
 - 2. 8 + 4 * (13 9) = 24
- 1281. [4, 8, 10, 10] 3 个解:
 - 1. 4 + 10 * (10 8) = 24
 - 2. 8 + 10 + 10 4 = 24
 - 3. 8 * (4 10 / 10) = 24
- 1282. [4, 8, 10, 11] 1 个解:
 - 1. 8 * (4 + 10 11) = 24
- 1283. [4, 8, 10, 12] 6 个解:
 - 1. (4 + 8) * (12 10) = 24
 - 2. 12 * (4 + 8 10) = 24
 - $3. \ 10 + 12 + 8 / 4 = 24$
 - 4. (10 4) * (12 8) = 24
 - 5. 4 * (8 + 10 12) = 24
 - 6. 4 * 12 / (10 8) = 24
- 1284. [4, 8, 10, 13] 无解
- 1285. [4, 8, 11, 11] 2 个解:
 - 1. 11 + 11 + 8 / 4 = 24
 - 2. 8 * (4 11 / 11) = 24
- 1286. [4, 8, 11, 12] 4 个解:
 - 1. 8 * (4 + 11 12) = 24
 - $2. \ 4 * 11 (8 + 12) = 24$
 - 3. (11 8) * (12 4) = 24
 - 4. 12 + 4 * (11 8) = 24
- 1287. [4, 8, 11, 13] 2 个解:
 - 1. (4 + 8) * (13 11) = 24
 - $2. \ 4 * (8 + 11 13) = 24$
- 1288. [4, 8, 12, 12] 2 个解:
 - 1. 12 * (4 + 12) / 8 = 24
 - 2. 8 * (4 12 / 12) = 24
- 1289. [4, 8, 12, 13] 2 个解:
 - 1. 8 * (4 + 12 13) = 24
 - 2. 8 + 13 + 12 / 4 = 24

- 1290. [4, 8, 13, 13] 2 个解:
 - 1. 13 + 13 8 / 4 = 24
 - 2. 8 * (4 13 / 13) = 24
- 1291. [4, 9, 9, 9] 无解
- 1292. [4, 9, 9, 10] 1 个解:
 - 1. 9 + 9 + 10 4 = 24
- 1293. [4, 9, 9, 11] 无解
- 1294. [4, 9, 9, 12] 2 个解:
 - 1. 4 * (9 + 9 12) = 24
 - 2. 9 * (4 12 / 9) = 24
- 1295. [4, 9, 9, 13] 无解
- 1296. [4, 9, 10, 10] 无解
- 1297. [4, 9, 10, 11] 1 个解:
 - 1. 4 + 10 * (11 9) = 24
- 1298. [4, 9, 10, 12] 1 个解:
 - 1. 10 * 12 / (9 4) = 24
- 1299. [4, 9, 10, 13] 2 个解:
 - 1. (10 4) * (13 9) = 24
 - $2. \ 4 * (9 + 10 13) = 24$
- 1300. [4, 9, 11, 11] 1 个解:
 - 1. 4 * 11 (9 + 11) = 24
- 1301. [4, 9, 11, 12] 3 个解:
 - 1. 12 * (4 + 9 11) = 24
 - $2. \ 4 * 12 / (11 9) = 24$
 - 3. 11 * 12 / 4 9 = 24
- 1302. [4, 9, 11, 13] 无解
- 1303. [4, 9, 12, 12] 5 个解:
 - 1. (12 4) * (12 9) = 24
 - 2. 9 + 12 + 12 / 4 = 24
 - 3. (12 9) * (12 4) = 24
 - 4. 12 + 4 * (12 9) = 24
 - 5. (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 个解:
 - 1. 4 * 11 (10 + 10) = 24
- 1308. [4, 10, 10, 12] 1 个解:
 - 1. 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 个解:
 - 1. 10 + 11 + 12 / 4 = 24
- 1312. [4, 10, 11, 13] 1 个解:
 - 1. 4 + 10 * (13 11) = 24
- 1313. [4, 10, 12, 12] 3 个解:
 - 1. 12 * (4 + 10 12) = 24
 - 2. 12 * 12 / (10 4) = 24
 - 3. 4 * 12 / (12 10) = 24
- 1314. [4, 10, 12, 13] 2 个解:
 - 1. (12 4) * (13 10) = 24
 - 2. 12 + 4 * (13 10) = 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] 3 个解:
 - 1. 12 * (4 + 11 13) = 24
 - $2. \ 4 * 12 (11 + 13) = 24$
 - 3. 4 * 12 / (13 11) = 24
- 1321. [4, 11, 13, 13] 无解
- 1322. [4, 12, 12, 12] 2 个解:
 - 1. 4 * 12 (12 + 12) = 24
 - 2. 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 个解:
- 1. 5 * 5 5 / 5 = 24
- 1327. [5, 5, 5, 6] 2 个解:
 - 1. 5 + 5 * 5 6 = 24
 - 2. 6 * (5 5 / 5) = 24
- 1328. [5, 5, 5, 7] 无解
- 1329. [5, 5, 5, 8] 无解
- 1330. [5, 5, 5, 9] 1 个解:
 - 1. 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 个解:
 - 1. 12 * (5 + 5) / 5 = 24
- 1334. [5, 5, 5, 13] 无解
- 1335. [5, 5, 6, 6] 3 个解:
 - 1. 6 * (5 + 5 6) = 24
 - 2. 5 * 5 6 / 6 = 24
 - 3. 5 * (6 6 / 5) = 24
- 1336. [5, 5, 6, 7] 2 个解:
 - 1. 6 + 5 * 5 7 = 24
 - 2. 5 * 7 (5 + 6) = 24
- 1337. [5, 5, 6, 8] 1 个解:
 - 1. 5 + 5 + 6 + 8 = 24
- 1338. [5, 5, 6, 9] 无解
- 1339. [5, 5, 6, 10] 无解
- 1340. [5, 5, 6, 11] 2 个解:
 - 1. 5 + 5 * 6 11 = 24
 - $2. \ 5 * (11 5) 6 = 24$

- 1341. [5, 5, 6, 12] 无解
- 1342. [5, 5, 6, 13] 无解
- 1343. [5, 5, 7, 7] 5 个解:
 - 1. 7 * 7 5 * 5 = 24
 - 2. 5 * 5 7 / 7 = 24
 - 3. (5 + 7) * (7 5) = 24
 - 4. (7-5) * (5+7) = 24
 - 5. 5 + 5 + 7 + 7 = 24
- 1344. [5, 5, 7, 8] 2 个解:
 - 1. 8 * (5 + 5 7) = 24
 - 2. 7 + 5 * 5 8 = 24
- 1345. [5, 5, 7, 9] 无解
- 1346. [5, 5, 7, 10] 1 个解:
- 1. 10 * (5 + 7) / 5 = 24
- 1347. [5, 5, 7, 11] 1 个解:
 - 1. 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 个解:
 - 1. 5 * 5 8 / 8 = 24
- 1351. [5, 5, 8, 9] 2 个解:
 - 1. 8 + 5 * 5 9 = 24
 - 2. 9 + 5 * (8 5) = 24
- 1352. [5, 5, 8, 10] 2 个解:
 - 1. 8 * (5 + 10) / 5 = 24
 - 2. 8 * (5 10 / 5) = 24
- 1353. [5, 5, 8, 11] 1 个解:
 - 1. 5 * 8 (5 + 11) = 24
- 1354. [5, 5, 8, 12] 1 个解:
 - 1. 12 * (5 + 5 8) = 24
- 1355. [5, 5, 8, 13] 2 个解:
 - 1. 8 * (13 (5 + 5)) = 24
 - 2. (8 5) * (13 5) = 24

- 1356. [5, 5, 9, 9] 1 个解:
 - 1. 5 * 5 9 / 9 = 24
- 1357. [5, 5, 9, 10] 1 个解:
 - 1. 9 + 5 * 5 10 = 24
- 1358. [5, 5, 9, 11] 1 个解:
 - 1. (9-5) * (11-5) = 24
- 1359. [5, 5, 9, 12] 无解
- 1360. [5, 5, 9, 13] 无解
- 1361. [5, 5, 10, 10] 1 个解:
 - 1. 5 * 5 10 / 10 = 24
- 1362. [5, 5, 10, 11] 1 个解:
 - 1. 10 + 5 * 5 11 = 24
- 1363. [5, 5, 10, 12] 无解
- 1364. [5, 5, 10, 13] 2 个解:
 - 1. 10 + 13 + 5 / 5 = 24
 - 2. 10 * (5 13 / 5) = 24
- 1365. [5, 5, 11, 11] 1 个解:
 - 1. 5 * 5 11 / 11 = 24
- 1366. [5, 5, 11, 12] 3 个解:
 - 1. 11 + 5 ***** 5 12 = 24
 - $2. \ 11 + 12 + 5 / 5 = 24$
 - 3. 5 * (12 5) 11 = 24
- 1367. [5, 5, 11, 13] 4 个解:
 - 1. 13 + 5 * 11 / 5 = 24
 - 2. 11 + 5 * 13 / 5 = 24
 - 3. 5 + 11 + 13 5 = 24
 - 4. 5 ***** (11 + 13) / 5 = 24
- 1368. [5, 5, 12, 12] 5 个解:
 - 1. 12 * (12 (5 + 5)) = 24
 - 2. 5 * 5 12 / 12 = 24
 - 3. 12 + 5 * 12 / 5 = 24
 - $4. \ 5 + 12 + 12 5 = 24$
 - 5. 5 * (12 + 12) / 5 = 24
- 1369. [5, 5, 12, 13] 2 个解:
 - 1. 12 + 5 * 5 13 = 24
 - 2. 12 + 13 5 / 5 = 24

- 1370. [5, 5, 13, 13] 1 个解:
 - 1. 5 ***** 5 13 / 13 = 24
- 1371. $[5, 6, 6, 6] 1 \land \text{#}:$ 1. 6 * (5 - 6 / 6) = 24
- 1372. [5, 6, 6, 7] 4 个解:
 - 1. 6 * (5 + 6 7) = 24
 - 2. (6 + 6) * (7 5) = 24
 - 3. 6 * 6 (5 + 7) = 24
 - 4. 5 + 6 + 6 + 7 = 24
- 1373. [5, 6, 6, 8] 1 个解:
 - 1. 6 + 6 * (8 5) = 24
- 1374. [5, 6, 6, 9] 1 个解:
 - 1. 6 ***** 9 5 ***** 6 = 24
- 1375. [5, 6, 6, 10] 3 个解:
 - 1. 10 * (6 + 6) / 5 = 24
 - 2. 6 * (10 5) 6 = 24
 - 3. 6 * (6 10 / 5) = 24
- 1376. [5, 6, 6, 11] 无解
- 1377. [5, 6, 6, 12] 3 个解:
 - 1. 6 + 5 * 6 12 = 24
 - 2. 5 ***** 12 6 ***** 6 = 24
 - 3. 5 * (12 6) 6 = 24
- 1378. [5, 6, 6, 13] 无解
- 1379. [5, 6, 7, 7] 1 个解:
 - 1. 6 * (5 7 / 7) = 24
- 1380. [5, 6, 7, 8] 3 个解:
 - 1. (5 + 7) * (8 6) = 24
 - 2. 6 * (5 + 7 8) = 24
 - 3. 6 * 8 / (7 5) = 24
- 1381. [5, 6, 7, 9] 1 个解:
 - 1. 6 + 9 * (7 5) = 24
- 1382. [5, 6, 7, 10] 无解
- 1383. [5, 6, 7, 11] 无解
- 1384. [5, 6, 7, 12] 2 个解:

- 1. 12 * (5 + 7) / 6 = 24
- 2. 12 + 6 * (7 5) = 24
- 1385. [5, 6, 7, 13] 4 个解:
 - 1. 7 + 5 * 6 13 = 24
 - 2. 6 * 7 (5 + 13) = 24
 - 3. 6 * (7 + 13) / 5 = 24
 - 4. 5 ***** (13 7) 6 = 24
- 1386. [5, 6, 8, 8] 2 个解:
 - 1. 8 * (5 + 6 8) = 24
 - 2.6 * (5 8 / 8) = 24
- 1387. [5, 6, 8, 9] 2 个解:
 - 1. 6 * (5 + 8 9) = 24
 - 2. 8 * (6 + 9) / 5 = 24
- 1388. [5, 6, 8, 10] 3 个解:
 - 1. 10 * (8 5) 6 = 24
 - 2. 5 * 8 (6 + 10) = 24
 - 3. 5 * 6 * 8 / 10 = 24
- 1389. [5, 6, 8, 11] 无解
- 1390. [5, 6, 8, 12] 3 个解:
 - 1. 6 * 12 / (8 5) = 24
 - 2. 8 * (5 12 / 6) = 24
 - 3. 6 * (8 + 12) / 5 = 24
- 1391. [5, 6, 8, 13] 1 个解:
 - 1. 8 * (5 + 13) / 6 = 24
- 1392. [5, 6, 9, 9] 2 个解:
 - 1. 9 + 5 * (9 6) = 24
 - 2.6 * (5 9 / 9) = 24
- 1393. [5, 6, 9, 10] 2 个解:
 - 1. 6 * (5 + 9 10) = 24
 - 2. 6 + 9 * 10 / 5 = 24
- 1394. [5, 6, 9, 11] 2 个解:
 - 1. 9 * (5 + 11) / 6 = 24
 - 2. 6 * (9 + 11) / 5 = 24
- 1395. [5, 6, 9, 12] 2 个解:
 - 1. 12 * (5 + 6 9) = 24
 - 2. (9-5) * (12-6) = 24
- 1396. [5, 6, 9, 13] 1 个解:

- 1. (9 6) * (13 5) = 24
- 1397. [5, 6, 10, 10] 2 个解:
 - 1. 6 * (10 + 10) / 5 = 24
 - 2. 6 * (5 10 / 10) = 24
- 1398. [5, 6, 10, 11] 2 个解:
 - 1. 6 * (5 + 10 11) = 24
 - 2. (10 6) * (11 5) = 24
- 1399. [5, 6, 10, 12] 2 个解:
 - 1. 12 + 6 * 10 / 5 = 24
 - $2. \ 5 * (6 12 / 10) = 24$
- 1400. [5, 6, 10, 13] 1 个解:
 - 1. 6 + 10 + 13 5 = 24
- 1401. [5, 6, 11, 11] 1 个解:
 - 1. 6 * (5 11 / 11) = 24
- 1402. [5, 6, 11, 12] 3 个解:
 - 1. 6 * (5 + 11 12) = 24
 - 2. 6 * (11 5) 12 = 24
 - 3. 6 + 11 + 12 5 = 24
- 1403. [5, 6, 11, 13] 7个解:
 - 1. (6 5) * (11 + 13) = 24
 - 2. (11 + 13) / (6 5) = 24
 - 3. 13 + 11 * (6 5) = 24
 - 4. 13 + 11 / (6 5) = 24
 - 5. 11 + 13 ***** (6 5) = 24
 - 6. 11 + 13 / (6 5) = 24
 - 7. 5 * (13 6) 11 = 24
- 1404. [5, 6, 12, 12] 5 个解:
 - 1. (6 5) * (12 + 12) = 24
 - 2. (12 + 12) / (6 5) = 24
 - 3. 12 + 12 * (6 5) = 24
 - 4. 12 + 12 / (6 5) = 245. 6 * (5 - 12 / 12) = 24
- 1405. [5, 6, 12, 13] 3 个解:
 - 1. 12 * (13 (5 + 6)) = 24
 - 2. 6 * (5 + 12 13) = 24
 - 3. 5 + 12 + 13 6 = 24
- 1406. [5, 6, 13, 13] 1 个解:
 - 1. 6 * (5 13 / 13) = 24

- 1407. [5, 7, 7, 7] 无解
- 1408. [5, 7, 7, 8] 无解
- 1409. $[5, 7, 7, 9] 1 \land \text{#}:$ 1. (5 + 7) * (9 - 7) = 24
- 1410. [5, 7, 7, 10] 1 个解:
 - 1. 10 + 7 * (7 5) = 24
- 1411. $[5, 7, 7, 11] 1 \land m$: 1. 7 * (5 - 11 / 7) = 24
- 1412. [5, 7, 7, 12] 无解
- 1413. [5, 7, 7, 13] 无解
- 1414. [5, 7, 8, 8] 2 个解:
 - 1. 8 + 8 * (7 5) = 24
 - 2. 8 * (7 + 8) / 5 = 24
- 1415. [5, 7, 8, 9] 2 个解:
 - 1. 8 * (5 + 7 9) = 24
 - 2. 5 * 8 (7 + 9) = 24
- 1416. [5, 7, 8, 10] 1 个解:
 - 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 个解:
 - 1. 9 + 5 * (10 7) = 24
- 1422. [5, 7, 9, 11] 1 个解:
 - 1. (5 + 7) * (11 9) = 24
- 1423. [5, 7, 9, 12] 1 个解:
 - 1. 12 * (5 + 9) / 7 = 24
- 1424. [5, 7, 9, 13] 2 个解:
 - 1. (9-5) * (13-7) = 24
 - 2. 7 + 9 + 13 5 = 24

- 1425. [5, 7, 10, 10] 1 个解:
 - 1. 10 + 7 * 10 / 5 = 24
- 1426. [5, 7, 10, 11] 1 个解:
 - 1. 7 * (10 5) 11 = 24
- 1427. [5, 7, 10, 12] 3 个解:
 - 1. (5 + 7) * (12 10) = 24
 - 2. 12 * (5 + 7 10) = 24
 - 3. 7 + 10 + 12 5 = 24
- 1428. [5, 7, 10, 13] 1 个解:
 - 1. (10 7) * (13 5) = 24
- 1429. [5, 7, 11, 11] 3 个解:
 - 1. (11 5) * (11 7) = 24
 - 2. (11 7) * (11 5) = 24
 - 3. 7 + 11 + 11 5 = 24
- 1430. [5, 7, 11, 12] 无解
- 1431. [5, 7, 11, 13] 1 个解:
 - 1. (5 + 7) * (13 11) = 24
- 1432. [5, 7, 12, 12] 1 个解:
 - 1. 7 * 12 5 * 12 = 24
- 1433. [5, 7, 12, 13] 无解
- 1434. [5, 7, 13, 13] 1 个解:
 - 1. 5 + 13 + 13 7 = 24
- 1435. [5, 8, 8, 8] 2 个解:
 - 1. 5 * 8 (8 + 8) = 24
 - 2. 8 ***** 8 5 ***** 8 = 24
- 1436. [5, 8, 8, 9] 2 个解:
 - 1. 8 * 9 / (8 5) = 24
 - 2. 8 * (9 5) 8 = 24
- 1437. [5, 8, 8, 10] 2 个解:
 - 1. 8 * (5 + 8 10) = 24
 - 2. 8 + 8 * 10 / 5 = 24
- 1438. [5, 8, 8, 11] 无解
- 1439. [5, 8, 8, 12] 无解
- 1440. [5, 8, 8, 13] 1 个解:

- 1. 8 + 8 + 13 5 = 24
- 1441. [5, 8, 9, 9] 无解
- 1442. [5, 8, 9, 10] 无解
- 1443. [5, 8, 9, 11] 3 个解:
 - 1. 11 * (8 5) 9 = 24
 - 2. 8 * (5 + 9 11) = 24
 - 3. 9 + 5 * (11 8) = 24
- 1444. [5, 8, 9, 12] 2 个解:
 - 1. 8 * 12 / (9 5) = 24
 - 2. 8 + 9 + 12 5 = 24
- 1445. [5, 8, 9, 13] 1 个解:
 - 1. 5 * 9 (8 + 13) = 24
- 1446. [5, 8, 10, 10] 无解
- 1447. [5, 8, 10, 11] 1 个解:
 - 1. 8 + 10 + 11 5 = 24
- 1448. [5, 8, 10, 12] 1 个解:
 - 1. 8 * (5 + 10 12) = 24
- 1449. [5, 8, 10, 13] 无解
- 1450. [5, 8, 11, 11] 无解
- 1451. [5, 8, 11, 12] 3 个解:
 - 1. 12 * (5 + 8 11) = 24
 - 2. 12 * (5 + 11) / 8 = 24
 - 3. (11 5) * (12 8) = 24
- 1452. [5, 8, 11, 13] 2 个解:
 - 1. 8 * (5 + 11 13) = 24
 - 2. (11 8) * (13 5) = 24
- 1453. [5, 8, 12, 12] 1 个解:
 - 1. 12 * (8 5) 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] 1 个解: 1. 9 + 9 + 11 - 5 = 24
- 1459. [5, 9, 9, 12] 3 个解:
 - 1. 9 * (9 5) 12 = 24
 - 2. 5 * 9 (9 + 12) = 24
 - 3. 9 + 5 * (12 9) = 24
- 1460. [5, 9, 9, 13] 无解
- 1461. [5, 9, 10, 10] 1 个解:
 - 1. 9 + 10 + 10 5 = 24
- 1462. [5, 9, 10, 11] 1 个解:
 - 1. 5 * 9 (10 + 11) = 24
- 1463. [5, 9, 10, 12] 无解
- 1464. [5, 9, 10, 13] 2 个解:
 - 1. 9 + 13 + 10 / 5 = 24
 - 2. 9 + 5 * (13 10) = 24
- 1465. [5, 9, 11, 11] 无解
- 1466. [5, 9, 11, 12] 无解
- 1467. [5, 9, 11, 13] 1 个解:
 - 1. (11 5) * (13 9) = 24
- 1468. [5, 9, 12, 12] 2 个解:
 - 1. 12 * (5 + 9 12) = 24
 - 2. (12 + 9 * 12) / 5 = 24
- 1469. [5, 9, 12, 13] 2 个解:
 - 1. (12 9) * (13 5) = 24
 - 2. 12 * (5 + 13) / 9 = 24
- 1470. [5, 9, 13, 13] 无解
- 1471. [5, 10, 10, 10] 无解
- 1472. [5, 10, 10, 11] 1 个解:
 - 1. (10 + 10 * 11) / 5 = 24
- 1473. [5, 10, 10, 12] 2个解:
 - 1. 10 * 12 / (10 5) = 24
 - $2. \ 10 + 12 + 10 / 5 = 24$

- 1474. [5, 10, 10, 13] 1个解:
 - 1. (10 * 13 10) / 5 = 24
- 1475. [5, 10, 11, 11] 1个解:
 - 1. 11 + 11 + 10 / 5 = 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 个解:
 - 1. 12 * (5 + 10 13) = 24
- 1480. [5, 10, 13, 13] 4个解:
 - 1. 5 * 10 (13 + 13) = 24
 - 2. 13 + 13 10 / 5 = 24
 - 3. (13 5) * (13 10) = 24
 - 4. (13 10) * (13 5) = 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] 2个解:
 - 1. 12 * 12 / (11 5) = 24
 - 2. (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] 2 个解:
 - 1. 6 * 6 (6 + 6) = 24
 - 2. 6 + 6 + 6 + 6 = 24
- 1492. [6, 6, 6, 7] 无解

- 1493. [6, 6, 6, 8] 2 个解:
 - 1. (6 + 6) * (8 6) = 24
 - 2. 6 * (6 + 6 8) = 24
- 1494. [6, 6, 6, 9] 2 个解:
 - 1. 6 * 6 * 6 / 9 = 24
 - 2. 6 + 6 * (9 6) = 24
- 1495. [6, 6, 6, 10] 1 个解:
 - 1. 6 * 10 6 * 6 = 24
- 1496. [6, 6, 6, 11] 1 个解:
 - 1. 6 * (11 6) 6 = 24
- 1497. [6, 6, 6, 12] 2 个解:
 - 1. 12 * (6 + 6) / 6 = 24
 - 2. 6 * (6 12 / 6) = 24
- 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] 2 个解:
 - 1. (6 + 6) * (9 7) = 24
 - $2. \ 6 * (6 + 7 9) = 24$
- 1502. [6, 6, 7, 10] 1 个解:
 - 1. 6 + 6 * (10 7) = 24
- 1503. [6, 6, 7, 11] 1 个解:
 - 1. 6 * 11 6 * 7 = 24
- 1504. [6, 6, 7, 12] 2 个解:
 - 1. 6 * 7 (6 + 12) = 24
 - 2. 6 * (12 7) 6 = 24
- 1505. [6, 6, 7, 13] 无解
- 1506. [6, 6, 8, 8] 1 个解:
 - 1. 6 * 8 / (8 6) = 24
- 1507. [6, 6, 8, 9] 2 个解:
 - 1. 8 * (6 + 6 9) = 24
 - 2. 6 + 9 * (8 6) = 24
- 1508. [6, 6, 8, 10] 2 个解:
 - 1. (6 + 6) * (10 8) = 24

- 2. 6 * (6 + 8 10) = 24
- 1509. [6, 6, 8, 11] 1 个解:
 - 1. 6 + 6 * (11 8) = 24
- 1510. [6, 6, 8, 12] 4 个解:
 - 1. 12 + 6 * (8 6) = 24
 - 2. 6 * 12 6 * 8 = 24
 - 3. 6 * 6 * 8 / 12 = 24
 - 4. 8 * (6 + 12) / 6 = 24
- 1511. [6, 6, 8, 13] 1 个解:
 - 1. 6 * (13 8) 6 = 24
- 1512. [6, 6, 9, 9] 无解
- 1513. [6, 6, 9, 10] 2 个解:
 - 1. 10 * (9 6) 6 = 24
 - 2. 9 * (6 + 10) / 6 = 24
- 1514. [6, 6, 9, 11] 2 个解:
 - 1. (6 + 6) * (11 9) = 24
 - 2. 6 * (6 + 9 11) = 24
- 1515. [6, 6, 9, 12] 3 个解:
 - 1. 6 * 12 / (9 6) = 24
 - 2. 6 + 6 * (12 9) = 24
 - 3. 6 + 9 * 12 / 6 = 24
- 1516. [6, 6, 9, 13] 1 个解:
 - 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] 4 个解:
 - 1. (6 + 6) * (12 10) = 24
 - 2. 12 * (6 + 6 10) = 24
 - 3. 6 * (6 + 10 12) = 24
 - 4. (10 6) * (12 6) = 24
- 1520. [6, 6, 10, 13] 2 个解:
 - 1. 10 + 13 + 6 / 6 = 24
 - 2. 6 + 6 * (13 10) = 24
- 1521. [6, 6, 11, 11] 无解
- 1522. [6, 6, 11, 12] 1 个解:

- 1. 11 + 12 + 6 / 6 = 24
- 1523. [6, 6, 11, 13] 6 个解:
 - 1. (6 + 6) * (13 11) = 24
 - 2. 6 * (6 + 11 13) = 24
 - 3. 13 + 6 * 11 / 6 = 24
 - 4. 11 + 6 * 13 / 6 = 24
 - 5. 6 + 11 + 13 6 = 24
 - 6. 6 ***** (11 + 13) / 6 = 24
- 1524. [6, 6, 12, 12] 4个解:
 - 1. 6 * (12 6) 12 = 24
 - 2. 12 + 6 * 12 / 6 = 24
 - 3. 6 + 12 + 12 6 = 24
 - 4. 6 * (12 + 12) / 6 = 24
- 1525. [6, 6, 12, 13] 1 个解:
 - 1. 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 个解:
 - 1. 6 * (7 + 7 10) = 24
- 1531. [6, 7, 7, 11] 1 个解:
 - 1. 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 个解:
 - 1. 6 * 8 / (9 7) = 24
- 1536. [6, 7, 8, 10] 3 个解:
 - 1. 8 * (6 + 7 10) = 24
 - 2. 6 * 7 (8 + 10) = 24
 - 3. 10 + 7 * (8 6) = 24
- 1537. [6, 7, 8, 11] 2 个解:
 - 1. 6 * (7 + 8 11) = 24

- 2. 8 * (7 + 11) / 6 = 24
- 1538. [6, 7, 8, 12] 1 个解:
 - 1. 12 * (6 + 8) / 7 = 24
- 1539. [6, 7, 8, 13] 无解
- 1540. [6, 7, 9, 9] 3 个解:
 - 1. 6 * 7 (9 + 9) = 24
 - 2. 9 * (7 + 9) / 6 = 24
 - 3. 6 + 9 * (9 7) = 24
- 1541. [6, 7, 9, 10] 无解
- 1542. [6, 7, 9, 11] 无解
- 1543. [6, 7, 9, 12] 2 个解:
 - 1. 6 * (7 + 9 12) = 24
 - 2. 12 + 6 * (9 7) = 24
- 1544. [6, 7, 9, 13] 无解
- 1545. [6, 7, 10, 10] 1 个解:
 - 1. 10 * (10 7) 6 = 24
- 1546. [6, 7, 10, 11] 无解
- 1547. [6, 7, 10, 12] 3 个解:
 - 1. 7 * 12 6 * 10 = 24
 - 2. 6 * 12 / (10 7) = 24
 - 3. 10 + 7 * 12 / 6 = 24
- 1548. [6, 7, 10, 13] 3 个解:
 - 1. (10 6) * (13 7) = 24
 - 2. 6 * (7 + 10 13) = 24
 - $3. \quad 7 + 10 + 13 6 = 24$
- 1549. [6, 7, 11, 11] 1 个解:
 - 1. 7 * (11 6) 11 = 24
- 1550. [6, 7, 11, 12] 3 个解:
 - 1. 12 * (6 + 7 11) = 24
 - 2. (11 7) * (12 6) = 24
 - 3. 7 + 11 + 12 6 = 24
- 1551. [6, 7, 11, 13] 6 个解:
 - 1. (7 6) * (11 + 13) = 24
 - 2. (11 + 13) / (7 6) = 24
 - 3. 13 + 11 * (7 6) = 24

- 4. 13 + 11 / (7 6) = 24
- 5. 11 + 13 * (7 6) = 24
- 6. 11 + 13 / (7 6) = 24
- 1552. [6, 7, 12, 12] 4 个解:
 - 1. (7 6) * (12 + 12) = 24
 - 2. (12 + 12) / (7 6) = 24
 - 3. 12 + 12 * (7 6) = 24
 - 4. 12 + 12 / (7 6) = 24
- 1553. [6, 7, 12, 13] 2 个解:
 - 1. 6 * (13 7) 12 = 24
 - 2. 6 + 12 + 13 7 = 24
- 1554. [6, 7, 13, 13] 无解
- 1555. [6, 8, 8, 8] 1 个解:
 - 1. 8 + 8 * (8 6) = 24
- 1556. [6, 8, 8, 9] 2 个解:
 - 1. 8 ***** 9 6 ***** 8 = 24
 - 2. 9 * (8 + 8) / 6 = 24
- 1557. [6, 8, 8, 10] 3 个解:
 - 1. 6 * 8 / (10 8) = 24
 - 2. 8 * (10 6) 8 = 24
 - 3. 8 * (8 + 10) / 6 = 24
- 1558. [6, 8, 8, 11] 1 个解:
 - 1. 8 * (6 + 8 11) = 24
- 1559. [6, 8, 8, 12] 2 个解:
 - 1. 6 * (8 + 8 12) = 24
 - 2. 8 + 8 * 12 / 6 = 24
- 1560. [6, 8, 8, 13] 无解
- 1561. [6, 8, 9, 9] 2 个解:
 - 1. 8 * 9 / (9 6) = 24
 - 2. 8 * (9 + 9) / 6 = 24
- 1562. [6, 8, 9, 10] 1 个解:
 - 1. 6 + 9 * (10 8) = 24
- 1563. [6, 8, 9, 11] 1 个解:
 - 1. 6 * 8 / (11 9) = 24
- 1564. [6, 8, 9, 12] 2 个解:
 - 1. 8 * (6 + 9 12) = 24

- 2. 12 + 8 * 9 / 6 = 24
- 1565. [6, 8, 9, 13] 2 个解:
 - 1. 6 * (8 + 9 13) = 24
 - 2. 8 + 9 + 13 6 = 24
- 1566. [6, 8, 10, 10] 无解
- 1567. [6, 8, 10, 11] 1 个解:
 - 1. 10 * (11 8) 6 = 24
- 1568. [6, 8, 10, 12] 5 个解:
 - 1. 6 * 8 / (12 10) = 24
 - 2. 12 * (6 + 10) / 8 = 24
 - 3. 8 * 12 / (10 6) = 24
 - 4. 12 + 6 * (10 8) = 24
 - 5. 8 + 10 + 12 6 = 24
- 1569. [6, 8, 10, 13] 1 个解:
 - 1. 8 * (6 + 10 13) = 24
- 1570. [6, 8, 11, 11] 1 个解:
 - 1. 8 + 11 + 11 6 = 24
- 1571. [6, 8, 11, 12] 1 个解:
 - 1. 6 * 12 / (11 8) = 24
- 1572. [6, 8, 11, 13] 2 个解:
 - 1. 6 * 8 (11 + 13) = 24
 - 2. 6 * 8 / (13 11) = 24
- 1573. [6, 8, 12, 12] 6 个解:
 - 1. 12 * (6 + 8 12) = 24
 - 2. 6 * 8 (12 + 12) = 24
 - 3. (12 6) * (12 8) = 24
 - 4. 8 ***** 12 6 ***** 12 = 24
 - 5. (12 8) * (12 6) = 24
 - 6. 6 + 12 * 12 / 8 = 24
- 1574. [6, 8, 12, 13] 无解
- 1575. [6, 8, 13, 13] 1 个解:
 - 1. 6 + 13 + 13 8 = 24
- 1576. [6, 9, 9, 9] 无解
- 1577. [6, 9, 9, 10] 1 个解:
 - 1. 9 + 9 * 10 / 6 = 24

- 1578. [6, 9, 9, 11] 2 个解:
 - 1. 11 * (9 6) 9 = 24
 - 2. 6 + 9 * (11 9) = 24
- 1579. [6, 9, 9, 12] 1 个解:
 - 1. 9 + 9 + 12 6 = 24
- 1580. [6, 9, 9, 13] 无解
- 1581. [6, 9, 10, 10] 无解
- 1582. [6, 9, 10, 11] 2 个解:
 - 1. 9 * 10 6 * 11 = 24
 - 2. 9 + 10 + 11 6 = 24
- 1583. [6, 9, 10, 12] 3 个解:
 - 1. 9 * (10 6) 12 = 24
 - 2. 10 * (12 9) 6 = 24
 - 3. 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 个解:
 - 1. 12 + 6 * (11 9) = 24
- 1587. [6, 9, 11, 13] 1 个解:
 - 1. 6 + 9 * (13 11) = 24
- 1588. [6, 9, 12, 12] 3 个解:
 - 1. 12 * (9 6) 12 = 24
 - 2. 12 * (6 + 12) / 9 = 24
 - 3. 6 * 12 / (12 9) = 24
- 1589. [6, 9, 12, 13] 3 个解:
 - 1. 12 * (6 + 9 13) = 24
 - 2. (12 6) * (13 9) = 24
 - 3. 9 + 13 + 12 / 6 = 24
- 1590. [6, 9, 13, 13] 无解
- 1591. [6, 10, 10, 10] 1 个解:
 - 1. 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 个解: 1. 10 * (13 - 10) - 6 = 24
- 1595. [6, 10, 11, 11] 无解
- 1596. [6, 10, 11, 12] 1 个解: 1. 10 * 12 / (11 - 6) = 24
- 1597. [6, 10, 11, 13] 无解
- 1598. [6, 10, 12, 12] 2个解:
 - 1. 10 + 12 + 12 / 6 = 24
 - 2. 12 + 6 * (12 10) = 24
- 1599. [6, 10, 12, 13] $-1 \uparrow m$: 1. 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 个解: 1. 11 + 11 + 12 / 6 = 24
- 1603. [6, 11, 11, 13] 无解
- 1604. $[6, 11, 12, 12] 1 \uparrow M$: 1. (12 + 11 * 12) / 6 = 24
- 1605. [6, 11, 12, 13] 1 个解: 1. 12 + 6 * (13 - 11) = 24
- 1606. [6, 11, 13, 13] 无解
- 1607. $[6, 12, 12, 12] 1 \uparrow M$: 1. 12 * 12 / (12 - 6) = 24
- 1608. [6, 12, 12, 13] 1 个解: 1. (12 * 13 - 12) / 6 = 24
- 1609. $[6, 12, 13, 13] 1 \uparrow M$: 1. 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 个解: 1. 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 个解: 1. 8 * (7 + 7 - 11) = 24
- 1622. [7, 7, 8, 12] 无解
- 1623. [7, 7, 8, 13] 无解
- 1624. [7, 7, 9, 9] 无解
- 1625. $[7, 7, 9, 10] 1 \uparrow \mathbb{M}$: 1. 10 + 7 * (9 - 7) = 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 个解: 1. 10 + 13 + 7 / 7 = 24
- 1633. [7, 7, 11, 11] 无解
- 1634. [7, 7, 11, 12] 2 个解:
 - 1. 11 + 12 + 7 / 7 = 24
 - 2. 7 * (12 7) 11 = 24

- 1635. [7, 7, 11, 13] 5个解:
 - 1. (11 7) * (13 7) = 24
 - 2. 13 + 7 * 11 / 7 = 24
 - 3. 11 + 7 * 13 / 7 = 24
 - 4. 7 + 11 + 13 7 = 24
 - 5. 7 * (11 + 13) / 7 = 24
- 1636. [7, 7, 12, 12] 4个解:
 - 1. 12 * (7 + 7 12) = 24
 - 2. 12 + 7 * 12 / 7 = 24
 - 3. 7 + 12 + 12 7 = 24
 - 4. 7 * (12 + 12) / 7 = 24
- 1637. [7, 7, 12, 13] 2 个解:
 - 1. 7 * 7 (12 + 13) = 24
 - 2. 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 个解:
 - 1. 8 + 8 * (9 7) = 24
- 1641. [7, 8, 8, 10] 1 个解:
 - 1. 8 * 10 7 * 8 = 24
- 1642. [7, 8, 8, 11] 1 个解:
 - 1. 8 * (11 7) 8 = 24
- 1643. [7, 8, 8, 12] 1 个解:
 - 1. 8 * (7 + 8 12) = 24
- 1644. [7, 8, 8, 13] 1 个解:
 - 1. 8 * (8 + 13) / 7 = 24
- 1645. [7, 8, 9, 9] 无解
- 1646. [7, 8, 9, 10] 1 个解:
 - 1. 8 * 9 / (10 7) = 24
- 1647. [7, 8, 9, 11] 无解
- 1648. [7, 8, 9, 12] 2 个解:
 - 1. 12 * (7 + 9) / 8 = 24
 - 2. 8 * (9 + 12) / 7 = 24
- 1649. [7, 8, 9, 13] 1 个解:

- 1. 8 * (7 + 9 13) = 24
- 1650. [7, 8, 10, 10] 1 个解:
 - 1. 10 + 7 * (10 8) = 24
- 1651. [7, 8, 10, 11] 1 个解:
 - 1. 8 * (10 + 11) / 7 = 24
- 1652. [7, 8, 10, 12] 无解
- 1653. [7, 8, 10, 13] 1 个解:
 - 1. 8 + 10 + 13 7 = 24
- 1654. [7, 8, 11, 11] 无解
- 1655. [7, 8, 11, 12] 2 个解:
 - 1. 8 * 12 / (11 7) = 24
 - 2. 8 + 11 + 12 7 = 24
- 1656. [7, 8, 11, 13] 7 个解:
 - 1. (8 7) * (11 + 13) = 24
 - 2. (11 + 13) / (8 7) = 24
 - 3. 13 + 11 * (8 7) = 24
 - 4. 13 + 11 / (8 7) = 24
 - 5. 11 + 13 * (8 7) = 24
 - 6. 11 + 13 / (8 7) = 24
 - 7. 7 * (13 8) 11 = 24
- 1657. [7, 8, 12, 12] 4 个解:
 - 1. (8-7) * (12+12) = 24
 - 2. (12 + 12) / (8 7) = 24
 - 3. 12 + 12 * (8 7) = 24
 - 4. 12 + 12 / (8 7) = 24
- 1658. [7, 8, 12, 13] 3 个解:
 - 1. 12 * (7 + 8 13) = 24
 - 2. (12 8) * (13 7) = 24
 - 3. 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 个解:
 - 1. 9 + 9 + 13 7 = 24
- 1665. [7, 9, 10, 10] 无解
- 1666. [7, 9, 10, 11] 2 个解:
 - 1. 11 * (10 7) 9 = 24
 - $2. \ 10 + 7 * (11 9) = 24$
- 1667. [7, 9, 10, 12] 1 个解:
 - 1. 9 + 10 + 12 7 = 24
- 1668. [7, 9, 10, 13] 无解
- 1669. [7, 9, 11, 11] 1 个解:
- 1. 9 + 11 + 11 7 = 24
- 1670. [7, 9, 11, 12] 2 个解:
 - 1. 12 * (7 + 11) / 9 = 24
 - 2. 9 * (11 7) 12 = 24
- 1671. [7, 9, 11, 13] 无解
- 1672. [7, 9, 12, 12] 1 个解:
 - 1. 9 * 12 7 * 12 = 24
- 1673. [7, 9, 12, 13] 无解
- 1674. [7, 9, 13, 13] 3 个解:
 - 1. (13 7) * (13 9) = 24
 - 2. (13 9) * (13 7) = 24
 - 3. 7 + 13 + 13 9 = 24
- 1675. [7, 10, 10, 10] 无解
- 1676. [7, 10, 10, 11] 1 个解:
 - $1. \quad 10 + 10 + 11 7 = 24$
- 1677. [7, 10, 10, 12] 1 个解:
 - 1. 10 + 7 * (12 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 个解:
 - 1. 10 + 7 * (13 11) = 24

- 1682. [7, 10, 12, 12] 2 个解:
 - 1. 12 * (10 7) 12 = 24
 - 2. 10 * 12 / (12 7) = 24
- 1683. [7, 10, 12, 13] 1 个解:
 - 1. 12 * (7 + 13) / 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] 2 个解:
 - 1. 12 * 12 / (13 7) = 24
 - 2. (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 个解:
 - 1. 8 + 8 * (10 8) = 24
- 1698. [8, 8, 8, 11] $-1 \uparrow m$: 1. 8 * 11 - 8 * 8 = 24
- 1699. [8, 8, 8, 12] 2 个解: 1. 12 * (8 + 8) / 8 = 24
 - 2. 8 * (12 8) 8 = 24
- 1700. [8, 8, 8, 13] 1 个解:
 - 1. 8 * (8 + 8 13) = 24

- 1701. [8, 8, 9, 9] 无解
- 1702. [8, 8, 9, 10] 无解
- 1703. [8, 8, 9, 11] 2 个解:
 - 1. 8 * 9 / (11 8) = 24
 - 2. 8 + 8 * (11 9) = 24
- 1704. [8, 8, 9, 12] 1 个解:
 - 1. 8 ***** 12 8 ***** 9 = 24
- 1705. [8, 8, 9, 13] 1 个解:
 - 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 个解:
 - 1. 8 + 8 * (12 10) = 24
- 1709. [8, 8, 10, 13] 2 个解:
 - 1. 10 + 13 + 8 / 8 = 24
 - 2. 8 * 13 8 * 10 = 24
- 1710. [8, 8, 11, 11] 无解
- 1711. [8, 8, 11, 12] 1 个解:
 - 1. 11 + 12 + 8 / 8 = 24
- 1712. [8, 8, 11, 13] 5个解:
 - 1. 13 + 8 * 11 / 8 = 24
 - 2. 11 + 8 * 13 / 8 = 24
 - 3. 8 + 11 + 13 8 = 24
 - 4. 8 * (11 + 13) / 8 = 24
 - 5. 8 + 8 * (13 11) = 24
- 1713. [8, 8, 12, 12] 4个解:
 - 1. 8 * 12 / (12 8) = 24
 - 2. 12 + 8 * 12 / 8 = 24
 - 3. 8 + 12 + 12 8 = 24
 - 4. 8 * (12 + 12) / 8 = 24
- 1714. [8, 8, 12, 13] 1 个解:
 - 1. 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 个解:
 - 1. 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] 2 个解:
 - 1. 12 * (8 + 10) / 9 = 24
 - 2. 9 + 10 * 12 / 8 = 24
- 1724. [8, 9, 10, 13] 2 个解:
 - 1. 8 * 9 / (13 10) = 24
 - 2. 9 + 10 + 13 8 = 24
- 1725. [8, 9, 11, 11] 1 个解:
 - 1. 11 * (11 8) 9 = 24
- 1726. [8, 9, 11, 12] 1 个解:
 - 1. 9 + 11 + 12 8 = 24
- 1727. [8, 9, 11, 13] 6 个解:
 - 1. (9 8) * (11 + 13) = 24
 - 2. (11 + 13) / (9 8) = 24
 - 3. 13 + 11 * (9 8) = 24
 - 4. 13 + 11 / (9 8) = 24
 - 5. 11 + 13 * (9 8) = 24
 - 6. 11 + 13 / (9 8) = 24
- 1728. [8, 9, 12, 12] 6 个解:
 - 1. (9 8) * (12 + 12) = 24
 - 2. (12 + 12) / (9 8) = 24
 - 3. 12 + 12 * (9 8) = 24
 - 4. 12 + 12 / (9 8) = 24
 - 5. 9 * (12 8) 12 = 24
 - 6. 8 + 12 ***** 12 / 9 = 24
- 1729. [8, 9, 12, 13] 2 个解:
 - 1. 8 * 12 / (13 9) = 24
 - 2. 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 个解:
 - 1. 10 + 10 + 12 8 = 24
- 1734. [8, 10, 10, 13] 无解
- 1735. [8, 10, 11, 11] 1 个解:
 - 1. 10 + 11 + 11 8 = 24
- 1736. [8, 10, 11, 12] 无解
- 1737. [8, 10, 11, 13] 无解
- 1738. [8, 10, 12, 12] 2 个解:
 - 1. 12 * (8 + 12) / 10 = 24
 - 2. 10 * 12 8 * 12 = 24
- 1739. [8, 10, 12, 13] 1 个解:
 - 1. 10 * 12 / (13 8) = 24
- 1740. [8, 10, 13, 13] 1 个解:
- 1. 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 个解:
 - 1. 12 * (11 8) 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 个解:
 - 1. 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 个解:
 - 1. 10 + 13 + 9 / 9 = 24
- 1760. [9, 9, 11, 11] 无解
- 1761. [9, 9, 11, 12] 2 个解:
 - 1. 11 + 12 + 9 / 9 = 24
 - 2. 11 * (12 9) 9 = 24
- 1762. [9, 9, 11, 13] 4 个解:
 - 1. 13 + 9 * 11 / 9 = 24
 - 2. 11 + 9 * 13 / 9 = 24
 - 3. 9 + 11 + 13 9 = 24
 - 4. 9 * (11 + 13) / 9 = 24
- 1763. [9, 9, 12, 12] 3 个解:
 - 1. 12 + 9 * 12 / 9 = 24
 - 2. 9 + 12 + 12 9 = 24
 - 3. 9 * (12 + 12) / 9 = 24
- 1764. [9, 9, 12, 13] 2 个解:
 - 1. 12 + 13 9 / 9 = 24
 - 2. 9 * (13 9) 12 = 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 个解:

- 1. 10 + 10 + 13 9 = 24
- 1770. [9, 10, 11, 11] 无解
- 1771. [9, 10, 11, 12] 2 个解:
 - 1. 12 * (9 + 11) / 10 = 24
 - $2. \ 10 + 11 + 12 9 = 24$
- 1772. [9, 10, 11, 13] 7个解:
 - 1. (10 9) * (11 + 13) = 24
 - 2. (11 + 13) / (10 9) = 24
 - 3. 13 + 11 * (10 9) = 24
 - 4. 13 + 11 / (10 9) = 24
 - 5. 11 + 13 * (10 9) = 24
 - 6. 11 + 13 / (10 9) = 24
 - 7. 11 * (13 10) 9 = 24
- 1773. [9, 10, 12, 12] 4个解:
 - 1. (10 9) * (12 + 12) = 24
 - 2. (12 + 12) / (10 9) = 24
 - 3. 12 + 12 * (10 9) = 24
 - 4. 12 + 12 / (10 9) = 24
- 1774. [9, 10, 12, 13] 1 个解:
 - 1. 9 + 12 + 13 10 = 24
- 1775. [9, 10, 13, 13] 无解
- 1776. [9, 11, 11, 11] 1个解:
 - 1. 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 个解:
 - 1. 11 * 12 9 * 12 = 24
- 1780. [9, 11, 12, 13] 1 个解:
 - 1. 12 * (9 + 13) / 11 = 24
- 1781. [9, 11, 13, 13] 1 个解:
 - 1. 9 + 13 + 13 11 = 24
- 1782. [9, 12, 12, 12] 1 个解:
 - 1. 12 * (12 9) 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 个解:
 - 1. 12 * (10 + 10) / 10 = 24
- 1789. [10, 10, 10, 13] 1 个解:
 - 1. 10 + 13 + 10 / 10 = 24
- 1790. [10, 10, 11, 11] 无解
- 1791. [10, 10, 11, 12] 1 个解:
 - 1. 11 + 12 + 10 / 10 = 24
- 1792. [10, 10, 11, 13] 4 个解:
 - 1. 13 + 10 * 11 / 10 = 24
 - 2. 11 + 10 * 13 / 10 = 24
 - 3. 10 + 11 + 13 10 = 24
- 4. 10 * (11 + 13) / 10 = 24
- 1793. [10, 10, 12, 12] 3 个解:
 - 1. 12 + 10 * 12 / 10 = 24
 - $2. \quad 10 + 12 + 12 10 = 24$
 - 3. 10 * (12 + 12) / 10 = 24
- 1794. [10, 10, 12, 13] 1 个解:
 - 1. 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 个解:
 - 1. 11 + 11 + 12 10 = 24
- 1798. [10, 11, 11, 13] 7 个解:
 - 1. (11 10) * (11 + 13) = 24
 - 2. (11 + 13) / (11 10) = 24
 - 3. 13 + 11 * (11 10) = 24
 - $4. \ 13 + 11 / (11 10) = 24$
 - 5. 11 + 13 * (11 10) = 24
 - 6. 11 + 13 / (11 10) = 24
 - 7. 10 + 13 + 11 / 11 = 24

- 1799. [10, 11, 12, 12] 5 个解:
 - 1. (11 10) * (12 + 12) = 24
 - 2. (12 + 12) / (11 10) = 24
 - 3. 12 + 12 * (11 10) = 24
 - 4. 12 + 12 / (11 10) = 24
 - E = 10 st (10 + 10) / 11 = 0
 - 5. 12 * (10 + 12) / 11 = 24
- 1800. [10, 11, 12, 13] 1 个解:
 - 1. 10 + 12 + 13 11 = 24
- 1801. [10, 11, 13, 13] 无解
- 1802. [10, 12, 12, 12] 1 个解:
 - 1. 12 * 12 10 * 12 = 24
- 1803. [10, 12, 12, 13] 2 个解:
 - 1. 10 + 13 + 12 / 12 = 24
 - 2. 12 * (13 10) 12 = 24
- 1804. [10, 12, 13, 13] 1 个解:
 - $1. \ 10 + 13 + 13 12 = 24$
- 1805. [10, 13, 13, 13] 1 个解:
 - 1. 10 + 13 + 13 / 13 = 24
- 1806. [11, 11, 11, 11] 无解
- 1807. [11, 11, 11, 12] 2 个解:
 - 1. 12 * (11 + 11) / 11 = 24
 - $2. \ 11 + 12 + 11 / 11 = 24$
- 1808. [11, 11, 11, 13] 4 个解:
 - 1. 13 + 11 * 11 / 11 = 24
 - 2. 11 * (11 + 13) / 11 = 24
 - 3. 11 + 11 * 13 / 11 = 24
 - 4. 11 + 11 + 13 11 = 24
- 1809. [11, 11, 12, 12] 3 个解:
 - 1. 12 + 11 * 12 / 11 = 24
 - $2. \quad 11 + 12 + 12 11 = 24$
 - 3. 11 * (12 + 12) / 11 = 24
- 1810. [11, 11, 12, 13] 7 个解:
 - 1. 12 + 13 11 / 11 = 24
 - 2. (12 11) * (11 + 13) = 24
 - 3. (11 + 13) / (12 11) = 24
 - 4. 13 + 11 * (12 11) = 24
 - 5. 13 + 11 / (12 11) = 24
 - 6. 11 + 13 * (12 11) = 24

- 7. 11 + 13 / (12 11) = 24
- 1811. [11, 11, 13, 13] 无解
- 1812. [11, 12, 12, 12] 6 个解:
 - 1. (12 11) * (12 + 12) = 24
 - 2. (12 + 12) / (12 11) = 24
 - 3. 12 + 12 * (12 11) = 24
 - 4. 12 + 12 / (12 11) = 24
 - 5. (12 + 12) * (12 11) = 24
 - 6. 11 + 12 + 12 / 12 = 24
- 1813. [11, 12, 12, 13] 5 个解:
 - 1. 12 * 13 11 * 12 = 24
 - 2. 13 + 11 * 12 / 12 = 24
 - 3. 12 * (11 + 13) / 12 = 24
 - 4. 11 + 12 + 13 12 = 24
 - 5. 11 + 12 ***** 13 / 12 = 24
- 1814. [11, 12, 13, 13] 8 个解:
 - 1. (11 + 13) * (13 12) = 24
 - 2. (11 + 13) / (13 12) = 24
 - 3. (13 12) * (11 + 13) = 24
 - 4. 13 + 11 * (13 12) = 24
 - 5. 13 + 11 / (13 12) = 24
 - 6. 11 + 13 * (13 12) = 24
 - 7. 11 + 13 / (13 12) = 24
 - 8. 11 + 12 + 13 / 13 = 24
- 1815. [11, 13, 13, 13] 4 个解:
 - 1. 13 * (11 + 13) / 13 = 24
 - 2. 13 + 11 * 13 / 13 = 24
 - $3. \ 11 + 13 + 13 13 = 24$
 - 4. 11 + 13 ***** 13 / 13 = 24
- 1816. [12, 12, 12, 12] 3 个解:
 - 1. 12 * (12 + 12) / 12 = 24
 - 2. 12 + 12 * 12 / 12 = 24
 - 3. 12 + 12 + 12 12 = 24
- 1817. [12, 12, 12, 13] 5 个解:
 - 1. (12 + 12) * (13 12) = 24
 - 2. (12 + 12) / (13 12) = 24
 - 3. 12 + 13 12 / 12 = 24
 - 4. 12 + 12 ***** (13 12) = 24
 - 5. 12 + 12 / (13 12) = 24
- 1818. [12, 12, 13, 13] 3 个解:
 - 1. 13 * (12 + 12) / 13 = 24

- 2. 12 + 12 * 13 / 13 = 24
- 3. 12 + 12 + 13 13 = 24
- 1819. [12, 13, 13, 13] 2 个解:
 - 1. 12 + 13 13 / 13 = 24
 - 2. 12 * (13 + 13) / 13 = 24
- 1820. [13, 13, 13, 13] 无解