

Solutions for:

100 Number Mine Problems: Addition & Subtraction 1-20

The **Answer** column lists the target numbers. The **Number of Terms** column gives the allowed number of terms per equation. E.g. “2” for “2 Numbers” problems. The list of equations under the **Examples** column is *not* exhaustive. One or more example solutions are given for each target number, but there may be more.

The numbers in the example solutions can always be rearranged into a different order if desired. E.g. distributing the minus sign and rearranging the example solution $8 - (10 - 13)$ yields $13 + 8 - 10$ which may be a more familiar format.

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12	19	2
3	8	5
13	4	9

Answer	Number of Terms	Examples
14	2	19-5, 9+5, 2+12
17	2	8+9, 19-2, 4+13
25	2	13+12
31	2	12+19
20	2	8+12
4	3	19-(3+12), 9-(3+2), 9-(8-3)
22	3	(4+13)+5, (19-9)+12, (8+5)+9
16	3	(19-8)+5, (9+5)+2, (12-4)+8
24	3	(3+19)+2, (9+2)+13, (3+9)+12
28	3	(19-3)+12, 19-(4-13)
8	4	((5+13)-8)-2, (13-19)+(9+5), 3-(12-(9+8))
17	4	((3+12)-2)+4, (8+2)-(12-19), 13-(3+(5-12))

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9	18	17
8	11	10
15	4	7

Answer	Number of Terms	Examples
5	2	9-4
9	2	17-8
27	2	9+18, 10+17
24	2	9+15, 7+17
14	2	18-4
24	3	(11+17)-4, 15-(8-17), 15-(9-18)
31	3	(4+18)+9
34	3	(8+9)+17, (9+10)+15
37	3	(18+4)+15, (18+10)+9
26	3	(18-9)+17
34	4	(9+11)+(10+4), ((11+9)-4)+18, (4+8)+(7+15)
37	4	((11+17)-9)+18, (10+4)+(8+15)

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7	8	15
3	11	19
2	4	9

Answer	Number of Terms	Examples
22	2	15+7
17	2	15+2, 19-2, 9+8
2	2	9-7
11	2	2+9, 8+3, 15-4
23	2	15+8
20	3	(19-3)+4, (19+8)-7, (7+4)+9
34	3	(11+8)+15, (7+8)+19
17	3	(19-11)+9, (15-7)+9, (11+8)-2
4	3	(3-8)+9, (15-2)-9, (15+8)-19
10	3	(19-7)-2, (7+11)-8, (3+9)-2
27	4	((15+3)-2)+11, (4+19)-(7-11), (8+11)+(15-7)
42	4	(19+8)+(4+11), (3+9)+(11+19), (7+15)+(11+9)

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4	6	7
12	19	11
10	2	18

Answer	Number of Terms	Examples
8	2	18-10, 10-2, 12-4
23	2	11+12, 19+4
15	2	11+4
10	2	6+4
6	2	12-6, 4+2
36	3	(11+6)+19, (18+6)+12
22	3	(12+4)+6, (6+18)-2, (19-4)+7
10	3	(11-19)+18, (12-6)+4
33	3	(4+18)+11
2	3	18-(4+12), 12-(6+4)
14	4	(2+11)-(6-7), (4-2)-(7-19), (12-6)+(10-2)
28	4	(18+6)+(11-7), (10+2)+(12+4), ((7+6)-4)+19

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14	12	11
2	19	3
10	15	5

Answer	Number of Terms	Examples
5	2	15-10, 2+3
9	2	19-10, 14-5
12	2	2+10, 14-2
6	2	11-5
8	2	3+5, 11-3
23	3	(12-3)+14, (2+11)+10, 15-(3-11)
17	3	(19-12)+10, (15-3)+5, (2+12)+3
36	3	(2+15)+19, (12+10)+14
13	3	(2-3)+14, (10+15)-12, (11-12)+14
16	3	11-(10-15), 15-(11-12), 12-(10-14)
35	4	((11+12)-3)+15, 3-((2-19)-15), (14+12)+(11-2)
55	4	(12+19)+(14+10)

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7	4	16
9	10	15
6	3	8

Answer	Number of Terms	Examples
16	2	7+9
3	2	6-3, 10-7
7	2	10-3, 4+3
13	2	16-3, 7+6, 4+9
5	2	8-3, 9-4
4	3	(16+3)-15, 3-(8-9), (6-9)+7
20	3	(9+7)+4, (16+10)-6, (8+15)-3
12	3	(9+10)-7, (16-10)+6, 8-(3-7)
31	3	(6+15)+10, (7+15)+9
2	3	(3-7)+6, (8+10)-16, (4-9)+7
20	4	(16-(3+8))+15, (16-(7-15))-4, ((3+6)-4)+15
22	4	(3+10)+(15-6), (4+3)+(7+8), (10-(7-16))+3

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1	4	19
13	3	12
2	17	11

Answer	Number of Terms	Examples
13	2	12+1, 11+2, 17-4
10	2	12-2, 13-3
9	2	13-4, 12-3
12	2	11+1
5	2	1+4, 3+2
14	3	(12-1)+3, (19-1)-4
16	3	(11+17)-12, 19-(1+2), (1-4)+19
36	3	(4+19)+13
6	3	(12-17)+11, (11-3)-2, (3+4)-1
23	3	12-(2-13)
19	4	(19-2)-(1-3), (12+19)-(13-1), (4+13)+(3-1)
9	4	(11-3)-(12-13), (19-2)-(12-4), ((1+3)-12)+17

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9	8	7
5	6	10
11	14	2

Answer	Number of Terms	Examples
3	2	14-11, 11-8, 10-7
14	2	5+9
16	2	5+11, 7+9, 10+6
4	2	14-10, 6-2
5	2	7-2, 14-9
11	3	(10+9)-8, 10-(6-7), (14+7)-10
12	3	(10-6)+8, 14-(11-9), (11+6)-5
27	3	(9+8)+10, (9+7)+11
23	3	(14-2)+11, (11+7)+5, (6+8)+9
8	3	6-(8-10), (14-11)+5, (5-7)+10
33	4	(8+9)+(2+14), (10+2)+(14+7)
2	4	(2+5)+(9-14), ((6+10)-9)-5, (6-2)-(11-9)

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16	8	4
11	2	5
3	6	9

Answer	Number of Terms	Examples
24	2	16+8
20	2	16+4, 9+11
6	2	9-3, 11-5, 4+2
14	2	16-2, 3+11, 9+5
4	2	6-2, 8-4
20	3	(8+16)-4
10	3	2-(3-11), (11-9)+8, (3+2)+5
30	3	(16+6)+8
23	3	9-(2-16)
19	3	(6+2)+11, 6-(3-16), (9-6)+16
40	4	(8+5)+(16+11), (9+11)+(4+16)
18	4	(4-6)+(9+11), ((5+16)-6)+3, (4+3)+(6+5)

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3	4	8
5	17	10
20	12	16

Answer	Number of Terms	Examples
14	2	4+10, 17-3
2	2	5-3, 10-8
10	2	20-10
9	2	4+5
15	2	5+10, 20-5, 3+12
3	3	(8-17)+12, 10-(4+3), (4-17)+16
2	3	(17-12)-3, 8-(10-4), 4-(12-10)
20	3	17-(5-8)
9	3	(17+4)-12, 16-(4+3), (10-17)+16
31	3	(20+8)+3
24	4	(12+3)-(8-17), (20-(3-17))-10, 17-(4-(3+8))
2	4	(20-(10-4))-12, ((20+3)-4)-17, (4+12)-(17-3)

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20	5	3
19	4	13
16	7	2

Answer	Number of Terms	Examples
7	2	20-13, 3+4, 5+2
15	2	2+13, 20-5
12	2	16-4, 5+7
4	2	7-3
39	2	20+19
34	3	(19-5)+20, (13+5)+16, (2+13)+19
2	3	(20-13)-5, (7-3)-2
21	3	(20-4)+5, (20-2)+3, (5+3)+13
11	3	20-(4+5), 20-(13-4), (16-3)-2
27	3	(20+3)+4
24	4	(2-(13-16))+19, (4-2)+(3+19), ((5+3)-4)+20
41	4	20-((5-19)-7), (7+13)+(5+16), (19-(2-4))+20

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2	6	13
9	19	10
5	7	12

Answer	Number of Terms	Examples
7	2	9-2
3	2	5-2, 12-9, 13-10
10	2	12-2
14	2	19-5, 9+5, 12+2
8	2	2+6
35	3	(10+19)+6
18	3	(6+10)+2, (10-5)+13, (12+19)-13
21	3	(9+2)+10, (2+12)+7
27	3	(12+10)+5, 19-(2-10), (13+12)+2
29	3	(13+6)+10, (7+12)+10
43	4	(9+2)+(19+13)
4	4	((9-12)-6)+13, (13+7)-(10+6), ((6-7)-5)+10

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2	3	16
13	11	4
10	14	6

Answer	Number of Terms	Examples
14	2	16-2, 11+3, 10+4
12	2	10+2
10	2	4+6, 14-4, 16-6
3	2	6-3
4	2	10-6
16	3	(14-11)+13, (4-2)+14, (3+11)+2
10	3	(2-6)+14, 2-(3-11), (6+14)-10
8	3	(2-4)+10, 14-(4+2), 13-(2+3)
29	3	(4+11)+14, (13+2)+14
32	3	(16+10)+6, (2+16)+14
32	4	(2+13)+(11+6), (2+14)+(13+3), (10+13)+(3+6)
39	4	(2+10)+(14+13)

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5	2	8
15	13	4
7	9	10

Answer	Number of Terms	Examples
6	2	13-7, 8-2, 2+4
18	2	5+13
7	2	9-2, 15-8
20	2	5+15, 7+13
5	2	10-5, 9-4, 7-2
5	3	8-(10-7), 8-(7-4), (13-15)+7
10	3	4-(9-15), (4-7)+13, (7+5)-2
27	3	(4+10)+13, (7+15)+5
11	3	8-(10-13), (10-8)+9, 2-(4-13)
29	3	(4+15)+10, (5+15)+9
18	4	(7+5)+(15-9), (2+8)+(15-7), (9+10)+(4-5)
26	4	((15+9)-8)+10, (8+5)+(9+4), ((13+10)-5)+8

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2	8	7
20	3	16
5	6	4

Answer	Number of Terms	Examples
13	2	6+7, 5+8, 20-7
3	2	7-4, 8-5, 6-3
17	2	20-3
10	2	6+4, 8+2, 7+3
9	2	6+3, 2+7, 16-7
27	3	(16+8)+3
43	3	(7+16)+20
26	3	20-(2-8), (2+8)+16
7	3	16-(7+2), (5-6)+8, (4-2)+5
14	3	(4+8)+2, 20-(8-2), (16+3)-5
23	4	(16-4)+(8+3), 16-(5-(4+8)), (4-(3-20))+2
47	4	(3+8)+(16+20)

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16	15	5
13	9	20
3	19	8

Answer	Number of Terms	Examples
8	2	16-8
21	2	13+8, 16+5
11	2	3+8, 16-5, 19-8
14	2	19-5, 5+9
3	2	19-16, 16-13
16	3	8-(5-13)
26	3	15-(5-16), (8+15)+3
18	3	(8+13)-3, (16-3)+5, 15-(16-19)
40	3	(19+16)+5
38	3	(20+3)+15, (9+16)+13
39	4	(16+19)-(9-13), (15-(5-13))+16
56	4	(5+15)+(20+16)

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10	18	19
17	1	7
9	3	2

Answer	Number of Terms	Examples
2	2	3-1
12	2	10+2, 19-7
11	2	2+9, 18-7, 10+1
28	2	18+10, 19+9
17	2	10+7, 19-2
35	3	(7+18)+10, (19+7)+9
9	3	(7-17)+19, 3-(1-7), 1-(10-18)
27	3	(10-2)+19, (7+18)+2, (18+19)-10
21	3	18-(7-10), (3+19)-1
32	3	(19+10)+3
10	4	(2+17)-(19-10), ((17+1)-10)+2, (9-(17-19))-1
16	4	(19-(9-7))-1, (17-(2+18))+19, ((2-3)-1)+18

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16	3	2
4	8	6
17	7	10

Answer	Number of Terms	Examples
14	2	8+6, 17-3
8	2	16-8, 6+2, 10-2
20	2	16+4
10	2	17-7, 3+7, 8+2
13	2	16-3, 17-4, 6+7
34	3	(10+7)+17, (16+10)+8
23	3	(17+2)+4, 17-(10-16), (10-3)+16
15	3	(3+16)-4, 7-(8-16), (17-4)+2
21	3	(2+3)+16, (17+10)-6, (10+8)+3
27	3	(16+8)+3, (16+7)+4, (17+8)+2
19	4	(8-(2-3))+10, (6+17)-(7-3), (16+7)+(6-10)
13	4	(7-(4+6))+16, ((8-2)-3)+10, 7-((3-17)+8)

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9	10	19
3	12	17
7	18	8

Answer	Number of Terms	Examples
12	2	9+3
21	2	18+3, 9+12
2	2	10-8
28	2	19+9
11	2	18-7, 8+3
11	3	(18+10)-17, (9-17)+19, (9+10)-8
26	3	(17+18)-9, (10+7)+9
37	3	(19+10)+8, (8+17)+12, (9+18)+10
5	3	10-(12-7), 12-(10-3)
16	3	(10+9)-3, (12+7)-3, (9+17)-10
41	4	(8+9)+(17+7), (3+17)+(12+9), (19+10)+(9+3)
54	4	(17+18)+(9+10), (18+17)+(12+7)

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15	4	9
11	6	1
14	3	2

Answer	Number of Terms	Examples
19	2	4+15
6	2	9-3, 4+2
7	2	11-4, 1+6, 4+3
14	2	3+11, 15-1
26	2	15+11
30	3	(15+6)+9
13	3	(6-4)+11, (6+4)+3, 2-(3-14)
22	3	9-(2-15)
29	3	(11+3)+15, (6+14)+9
8	3	(4+15)-11, (2-3)+9, (11-6)+3
22	4	15-((1-2)-6), ((4+11)-2)+9, (9-(1-11))+3
36	4	(1+14)+(15+6)

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11	15	17
5	18	4
6	3	20

Answer	Number of Terms	Examples
17	2	20-3, 11+6
26	2	15+11, 6+20
16	2	5+11
3	2	6-3
8	2	11-3, 5+3
21	3	(15+11)-5
43	3	(17+11)+15, (6+20)+17
14	3	(11-15)+18, (20+11)-17, (17+15)-18
13	3	15-(20-18), (20-11)+4, (15+3)-5
46	3	(20+15)+11, (17+11)+18
63	4	(15+20)+(11+17)
4	4	(5+18)-(15+4), (5-20)+(15+4), (11-4)-(20-17)

11	7	2
13	6	4
12	8	9

Answer	Number of Terms	Examples
9	2	11-2
2	2	8-6
24	2	11+13
6	2	13-7, 2+4, 12-6
4	2	11-7, 13-9
15	3	(12+7)-4, (6+11)-2, (7+6)+2
12	3	(13+11)-12, (13-9)+8, (8-2)+6
2	3	4-(8-6), (12-6)-4, 7-(11-6)
9	3	(8+7)-6, (6-8)+11, 11-(9-7)
30	3	(7+12)+11, (13+11)+6
14	4	(4-(7-11))+6, (13-4)+(7-2), (9-2)+(13-6)
15	4	((9+11)-7)+2, (4+6)+(7-2), (12+7)-(8-4)

6	10	7
5	2	18
4	16	15

Answer	Number of Terms	Examples
24	2	6+18
3	2	18-15, 7-4
16	2	10+6
12	2	18-6, 7+5
13	2	7+6
12	3	(2+16)-6, (10-2)+4, (10+7)-5
9	3	(6+18)-15, (5-6)+10, 7-(16-18)
20	3	7-(5-18), 10-(6-16), 4-(2-18)
40	3	(6+18)+16
14	3	(7+5)+2, 6-(7-15), (6-10)+18
48	4	(10+15)+(16+7), (5+15)+(10+18)
9	4	(2-(16-5))+18, ((16+6)-18)+5, 2-((4-16)+5)

15	5	12
9	6	3
13	8	2

Answer	Number of Terms	Examples
4	2	12-8, 9-5
24	2	15+9
9	2	3+6, 12-3
6	2	8-2
20	2	5+15, 8+12
19	3	(13-6)+12, (15-5)+9, (8-2)+13
23	3	13-(2-12), (3+5)+15, (15+6)+2
16	3	(3+8)+5, (12+9)-5, (9+15)-8
4	3	(15-8)-3, 6-(15-13), 15-(5+6)
32	3	(15+12)+5
17	4	(3-(5-13))+6, ((13+12)-3)-5, (2+8)+(13-6)
19	4	(13-(6-15))-3, (6-(2-3))+12, (5-(13-15))+12

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18	9	14
13	2	8
10	6	5

Answer	Number of Terms	Examples
4	2	14-10, 6-2, 18-14
26	2	18+8
13	2	18-5, 8+5
7	2	13-6
12	2	10+2, 14-2
40	3	(8+18)+14, (18+13)+9
41	3	(18+14)+9
15	3	9-(8-14), (6-9)+18, (10+14)-9
5	3	(13-18)+10, (2-10)+13, (14-18)+9
17	3	(13+14)-10, (13+10)-6, (13-5)+9
50	4	(10+9)+(18+13)
8	4	(9-13)+(10+2), (14-(9+10))+13, ((10+5)-13)+6

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15	17	11
5	8	10
2	12	4

Answer	Number of Terms	Examples
3	2	8-5, 5-2, 15-12
32	2	15+17
4	2	12-8
2	2	17-15
26	2	11+15
24	3	17-(4-11)
10	3	4-(5-11), (8+4)-2, (8-15)+17
27	3	(17-5)+15, (15+10)+2, (12+11)+4
22	3	15-(5-12), (15-4)+11, (2+12)+8
34	3	(17+2)+15, (5+12)+17
11	4	(4+12)-(15-10), (15-17)+(8+5), (5-(4-12))-2
21	4	(5+12)+(15-11), (11+17)-(5+2), (15+8)+(10-12)

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7	3	12
19	16	6
9	13	8

Answer	Number of Terms	Examples
9	2	16-7
5	2	12-7, 8-3, 13-8
23	2	7+16
7	2	19-12, 13-6
3	2	19-16, 9-6, 6-3
15	3	12-(16-19), (12+16)-13, (19+8)-12
7	3	6-(12-13)
27	3	(13+6)+8, (8+12)+7
16	3	(19-9)+6, (6+3)+7, (7-3)+12
8	3	(7+13)-12, (12-13)+9, 19-(8+3)
45	4	(13+6)+(7+19), (8+6)+(12+19)
14	4	(9-6)+(3+8), 12-((19-8)-13), ((16-6)-8)+12

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3	9	2
12	7	6
16	14	5

Answer	Number of Terms	Examples
5	2	7-2, 12-7, 14-9
6	2	9-3, 12-6
10	2	12-2, 16-6, 7+3
15	2	6+9, 12+3
7	2	2+5, 14-7, 9-2
26	3	(5+7)+14, (16+3)+7
10	3	7-(6-9), (3-5)+12, (6+9)-5
14	3	(9+7)-2, 5-(3-12), (5+6)+3
2	3	(14-7)-5, (16-12)-2
6	3	16-(12-2), (12+3)-9, (3+5)-2
41	4	(6+16)+(7+12), (16+9)+(14+2)
3	4	(6+2)-(12-7), ((7+5)-3)-6, (2-(3-9))-5

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18	16	2
10	3	11
7	14	6

Answer	Number of Terms	Examples
9	2	2+7, 11-2
10	2	16-6
15	2	18-3
11	2	18-7
4	2	14-10, 11-7, 7-3
37	3	(3+16)+18
34	3	(18+2)+14, (7+11)+16
12	3	16-(14-10), 7-(11-16), 16-(7-3)
32	3	(16-2)+18
16	3	7-(2-11)
21	4	2-((11-16)-14), (11-6)+(14+2), (10+18)-(14-7)
47	4	(3+18)+(10+16), (14+10)+(7+16)

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4	6	9
16	5	8
15	3	12

Answer	Number of Terms	Examples
6	2	9-3
9	2	6+3, 5+4
7	2	15-8
10	2	4+6
11	2	3+8, 15-4, 6+5
3	3	6-(15-12), 9-(12-6), (12-3)-6
8	3	5-(12-15)
6	3	(5+9)-8, (9+12)-15, (3-6)+9
35	3	(4+16)+15
28	3	(15+9)+4
37	4	(12+15)+(4+6), (16+9)+(8+4)
6	4	(4+12)+(6-16), (5+9)+(8-16), (6-(9-5))+4

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7	4	11
20	3	9
10	6	17

Answer	Number of Terms	Examples
9	2	20-11, 3+6
2	2	9-7, 11-9, 6-4
13	2	17-4, 7+6, 10+3
17	2	7+10, 6+11, 20-3
11	2	20-9
23	3	20-(7-10), (6+7)+10, 7-(4-20)
36	3	(20+9)+7, (6+20)+10
30	3	(17+4)+9, (6+20)+4, (17+3)+10
9	3	(7-9)+11, (6+10)-7, 20-(4+7)
38	3	(7+11)+20
48	4	(4+17)+(7+20)
25	4	(3+7)+(4+11), 7-((9-10)-17), ((20-3)-9)+17

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7	20	9
13	4	14
19	5	15

Answer	Number of Terms	Examples
20	2	7+13
9	2	13-4, 5+4, 14-5
5	2	19-14, 14-9
10	2	15-5, 19-9
16	2	7+9
26	3	(14+19)-7, 19-(13-20), (20+13)-7
14	3	13-(4-5), 19-(20-15), 19-(14-9)
18	3	7-(4-15), (19+4)-5, 9-(5-14)
27	3	(20-7)+14, 13-(5-19), (9+5)+13
46	3	(19+7)+20
5	4	(5-(4+15))+19, 19-(15+(13-14)), (15-5)+(14-19)
46	4	(20+7)+(5+14), (5+13)+(19+9)

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4	15	5
11	19	18
2	7	8

Answer	Number of Terms	Examples
15	2	4+11
17	2	19-2, 2+15
14	2	19-5
23	2	18+5, 4+19
3	2	11-8, 7-4, 8-5
23	3	19-(11-15)
12	3	(8+19)-15, (2-8)+18, (15+5)-8
27	3	(2+18)+7, (8+4)+15
19	3	(15+8)-4
8	3	4-(7-11)
35	4	(18-(7-19))+5, (8+15)+(7+5), (18+7)+(2+8)
3	4	(7-(19-4))+11, 8-((4-18)+19), (11+18)-(7+19)

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19	20	9
2	7	13
18	11	6

Answer	Number of Terms	Examples
9	2	11-2, 2+7, 18-9
3	2	9-6
4	2	11-7, 6-2
39	2	20+19
10	2	19-9
8	3	19-(20-9), (19+7)-18, (19+2)-13
10	3	(18-19)+11, (9+7)-6, (19-20)+11
48	3	(20+19)+9
2	3	(19-11)-6, 11-(18-9)
57	3	(20+18)+19
15	4	((9+19)-6)-7, ((6+13)-11)+7, (19+9)+(7-20)
26	4	19-(2+(9-18)), 18-((7-9)-6), (18-9)+(11+6)

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13	7	10
9	5	18
4	3	16

Answer	Number of Terms	Examples
20	2	13+7
3	2	7-4, 16-13, 13-10
23	2	18+5, 16+7, 13+10
11	2	16-5, 7+4
9	2	4+5, 16-7
9	3	18-(13-4), (3+13)-7, (13-9)+5
38	3	(13+18)+7
4	3	9-(10-5), 10-(9-3), 18-(5+9)
3	3	7-(13-9), (7+5)-9, (5-18)+16
32	3	(16+7)+9, (13+16)+3, (10+9)+13
48	4	(18+10)+(13+7)
50	4	(3+13)+(16+18), (13+18)+(10+9)

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6	4	3
12	2	11
13	5	20

Answer	Number of Terms	Examples
18	2	5+13, 12+6
7	2	12-5, 4+3
14	2	20-6, 3+11
19	2	13+6
17	2	13+4, 6+11
15	3	20-(3+2), (5+12)-2, (6+11)-2
24	3	(5+6)+13
31	3	(6+13)+12
7	3	(11-6)+2, 6-(11-12), (6+4)-3
30	3	(4+20)+6
7	4	2-((4-6)-3), (4-(13-11))+5, 11-((5-3)+2)
42	4	20-((3-13)-12)

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17	18	7
10	3	20
4	1	9

Answer	Number of Terms	Examples
20	2	3+17
3	2	10-7, 20-17
35	2	18+17
14	2	4+10, 18-4
24	2	17+7
28	3	(18+20)-10, 17-(7-18), (20+7)+1
8	3	(18-1)-9, 1-(10-17), 7-(3-4)
11	3	1-(10-20)
55	3	(17+20)+18
9	3	20-(18-7), (10+17)-18, (1+18)-10
3	4	(20-(3-4))-18, (9-(17-1))+10, 17-(9+(4+1))
48	4	(20+3)+(7+18), (18+17)+(3+10), 18-((7-20)-17)

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14	10	11
4	15	3
8	13	9

Answer	Number of Terms	Examples
18	2	14+4, 15+3
10	2	14-4
5	2	14-9
6	2	9-3, 15-9, 10-4
3	2	11-8, 14-11, 13-10
28	3	(15+10)+3, (4+14)+10
20	3	(9-4)+15, (13+10)-3, (15-3)+8
32	3	(10+8)+14, (14+15)+3
11	3	(13-10)+8, (14+8)-11, (15+4)-8
15	3	(8+11)-4, (14+11)-10
11	4	(9+4)+(11-13), ((10+8)-11)+4, (11+14)-(10+4)
48	4	(14+8)+(15+11), (13+10)+(14+11)

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16	14	8
9	17	3
4	15	6

Answer	Number of Terms	Examples
10	2	14-4, 16-6
25	2	9+16, 17+8
6	2	9-3, 14-8
8	2	17-9, 14-6
13	2	16-3, 4+9
17	3	6-(4-15), 14-(3-6)
33	3	(3+14)+16
36	3	(14+16)+6
21	3	(15+14)-8, (16-9)+14, (8-3)+16
19	3	(17+6)-4, (8-6)+17, (17-14)+16
50	4	(4+14)+(15+17), (14+3)+(17+16)
31	4	(4+16)+(14-3), (4+9)+(15+3), 14-((4-15)-6)

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7	4	9
14	16	15
11	8	5

Answer	Number of Terms	Examples
4	2	11-7
16	2	9+7
2	2	9-7, 7-5
3	2	8-5
7	2	11-4, 16-9
3	3	(5+7)-9, (8+4)-9, (4-16)+15
6	3	14-(15-7), 16-(14-4), (4+9)-7
21	3	14-(8-15)
15	3	14-(15-16), 14-(8-9), 8-(9-16)
25	3	(14+4)+7, (4+16)+5
48	4	(11+14)+(16+7)
14	4	5-(9-(4+14)), 9-(7+(4-16)), ((8+5)-14)+15

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8	3	10
16	11	3
14	7	5

Answer	Number of Terms	Examples
3	2	8-5
24	2	10+14, 16+8
18	2	10+8
5	2	10-5
2	2	7-5, 5-3
27	3	(8+3)+16, (5+8)+14
16	3	(3+5)+8, (11-3)+8, 14-(8-10)
25	3	(3+14)+8
5	3	(3-8)+10, 11-(14-8), (16-14)+3
21	3	10-(5-16)
40	4	(5+8)+(11+16), (11+16)+(3+10)
4	4	8-((5-11)+10), (8-3)+(10-11), 10-((16-7)-3)

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17	12	5
8	3	15
4	19	7

Answer	Number of Terms	Examples
12	2	19-7, 17-5, 8+4
4	2	7-3, 12-8, 8-4
2	2	7-5, 5-3
25	2	17+8
5	2	8-3
26	3	(17+12)-3, (4+15)+7, (3+8)+15
36	3	(4+15)+17, (17+12)+7
10	3	(7+8)-5, 17-(19-12), 17-(15-8)
13	3	(12-4)+5, (15-7)+5, 15-(19-17)
34	3	(19+12)+3, (12+15)+7, (17+5)+12
27	4	(19+15)-(3+4), (17+3)+(15-8), (17-(12-19))+3
37	4	(15+8)-(3-17), (5+12)+(17+3), (15-5)+(8+19)

15	2	9
3	13	20
16	5	7

Answer	Number of Terms	Examples
28	2	15+13
11	2	20-9
12	2	5+7, 15-3
13	2	16-3, 15-2, 20-7
2	2	5-3
8	3	(20-7)-5, 2-(9-15), (9-3)+2
7	3	(16-7)-2, (15-13)+5, 13-(9-3)
48	3	(13+15)+20
4	3	(2-13)+15, 3-(15-16), 9-(3+2)
20	3	(13+5)+2, (2+15)+3, 16-(3-7)
44	4	(3+20)+(16+5), (13+7)+(15+9)
16	4	((16-2)-5)+7, (16-2)-(7-9), (2+20)+(9-15)

17	19	6
18	10	15
3	4	14

Answer	Number of Terms	Examples
23	2	4+19, 17+6
10	2	6+4, 14-4
7	2	17-10, 3+4
5	2	15-10
11	2	14-3, 15-4
18	3	(17+19)-18, 14-(15-19), (10+14)-6
38	3	(6+14)+18, (18+3)+17, (6+17)+15
12	3	10-(17-19), (4+18)-10, (10+6)-4
13	3	17-(18-14), 10-(3-6), 10-(14-17)
17	3	(15-4)+6, (14-15)+18, (4+19)-6
58	4	(4+17)+(19+18)
55	4	(17+6)+(14+18), (4+15)+(19+17)

20	8	15
7	4	17
3	18	16

Answer	Number of Terms	Examples
2	2	17-15, 18-16
5	2	8-3
4	2	7-3
12	2	15-3, 8+4
24	2	17+7, 8+16, 4+20
18	3	17-(15-16), 15-(17-20), 17-(7-8)
13	3	(20-15)+8, (15-18)+16
44	3	(7+20)+17
41	3	(20+17)+4
16	3	(15+4)-3, (15+17)-16, 4-(8-20)
20	4	(17+16)-(20-7), (18+15)+(7-20), ((16+7)-18)+15
36	4	((4+15)-3)+20, ((20+15)-7)+8, 15-((16-20)-17)

7	20	3
6	17	18
10	12	5

Answer	Number of Terms	Examples
14	2	20-6, 17-3
13	2	18-5, 7+6, 10+3
15	2	12+3, 20-5
27	2	20+7, 10+17
7	2	17-10, 10-3, 12-5
7	3	20-(3+10), (18+6)-17, (10-6)+3
45	3	(18+7)+20
23	3	(6+10)+7, (18+12)-7, (20-7)+10
44	3	(20+7)+17
39	3	(12+7)+20
44	4	12-((5-20)-17)
51	4	(7+20)+(6+18)

8	10	17
11	5	6
12	9	16

Answer	Number of Terms	Examples
19	2	8+11, 10+9
11	2	5+6, 17-6
8	2	16-8
25	2	16+9, 8+17
4	2	16-12, 12-8
6	3	5-(11-12)
36	3	(11+8)+17, (16+11)+9, (16+12)+8
35	3	(9+16)+10, (17+10)+8, (12+17)+6
3	3	(5+8)-10, 16-(8+5), (5+10)-12
4	3	(6-10)+8, (9+6)-11, 16-(17-5)
29	4	10-((5-16)-8), (17-(6-10))+8, (11-8)+(9+17)
47	4	(8+17)+(10+12)

5	20	7
4	8	14
9	6	19

Answer	Number of Terms	Examples
14	2	20-6, 8+6, 5+9
10	2	4+6, 14-4
19	2	5+14
4	2	8-4
25	2	20+5
11	3	(14-7)+4, (5+20)-14, 14-(8-5)
19	3	7-(8-20), 5-(6-20)
33	3	(7+20)+6, (19+20)-6, (5+19)+9
8	3	20-(5+7), (7-8)+9, 19-(20-9)
17	3	(6+4)+7, (19-8)+6, 6-(9-20)
30	4	(8+20)+(7-5), (7-(4-8))+19, (20-7)+(8+9)
40	4	(9-(8-19))+20, (8+4)+(19+9), (7+8)+(5+20)

11	10	15
18	19	12
6	7	9

Answer	Number of Terms	Examples
26	2	$11+15, 7+19$
9	2	$19-10$
29	2	$18+11, 10+19$
8	2	$19-11, 15-7, 18-10$
5	2	$11-6$
20	3	$19-(10-11), (19-9)+10, (19+7)-6$
14	3	$10-(11-15), 7-(11-18), 11-(15-18)$
39	3	$(11+9)+19, (12+18)+9, (18+10)+11$
44	3	$(11+18)+15, (19+18)+7$
13	3	$(6-12)+19, (12+10)-9, 12-(10-11)$
58	4	$(18+10)+(11+19)$
46	4	$(7+11)+(10+18), (11+19)+(9+7)$

6	13	2
4	8	14
10	3	9

Answer	Number of Terms	Examples
15	2	$13+2$
4	2	$14-10, 6-2, 8-4$
21	2	$13+8$
8	2	$14-6, 10-2$
11	2	$14-3$
24	3	$(13+2)+9, (8+10)+6, (2+8)+14$
7	3	$(8-3)+2, 3-(4-8), (9-10)+8$
15	3	$(10+13)-8, (4+2)+9, 8-(6-13)$
28	3	$(4+10)+14, (6+9)+13, (14+8)+6$
21	3	$(9+4)+8, 10-(2-13), (2+13)+6$
41	4	$(6+8)+(13+14)$
3	4	$(3-4)-(2-6), (14-2)-(3+6), 10-((2-3)+8)$

2	15	10
11	19	9
13	7	5

Answer	Number of Terms	Examples
6	2	$13-7$
17	2	$10+7, 19-2, 2+15$
4	2	$11-7, 19-15$
5	2	$15-10, 7-2, 10-5$
9	2	$19-10, 7+2$
6	3	$10-(15-11), (5+10)-9, (2-15)+19$
28	3	$(10+13)+5, (11+2)+15, 11-(2-19)$
27	3	$19-(7-15), (9+7)+11, (10+15)+2$
31	3	$(5+7)+19, (19+2)+10$
36	3	$(15+2)+19, (10+7)+19$
22	4	$(10-5)+(19-2), (2-5)+(10+15), (15-9)+(5+11)$
14	4	$(7+5)+(15-13), ((2+10)-13)+15, 19-(11+(9-15))$

6	13	7
16	10	3
5	2	12

Answer	Number of Terms	Examples
19	2	16+3, 12+7, 6+13
9	2	3+6, 2+7
8	2	3+5, 13-5, 2+6
2	2	7-5, 12-10
22	2	6+16
29	3	(7+12)+10, (13+10)+6, (3+10)+16
14	3	(7-3)+10, (13-2)+3, (7+2)+5
35	3	(6+13)+16, (13+12)+10
17	3	(13+10)-6, (2+12)+3, 7-(3-13)
10	3	2-(5-13), (16+6)-12, (3-6)+13
29	4	(13+6)+(7+3), ((7+12)-6)+16, (6+12)-(2-13)
16	4	(16+13)-(3+10), (12-(3-13))-6, (13-5)+(6+2)

11	4	7
9	7	3
13	6	15

Answer	Number of Terms	Examples
7	2	4+3, 13-6
20	2	13+7, 11+9
8	2	15-7
5	2	9-4, 11-6
15	2	9+6, 11+4
6	3	(4-13)+15, 9-(7-4), (13+4)-11
14	3	(11+9)-6, (4+3)+7, (15-7)+6
18	3	(11+4)+3, (9+15)-6, (15-3)+6
25	3	(7+15)+3, (4+6)+15, (11+7)+7
27	3	(7+11)+9, (11+3)+13, (3+9)+15
11	4	((15-3)-7)+6, (11+3)-(7-4), (13-7)+(11-6)
31	4	(13+4)+(3+11), (13+6)+(9+3)

7	11	15
2	17	10
8	12	13

Answer	Number of Terms	Examples
18	2	7+11, 10+8
5	2	15-10, 12-7, 13-8
15	2	8+7, 2+13
3	2	15-12, 13-10, 10-7
9	2	17-8, 7+2
3	3	(8+2)-7, 17-(2+12), (10+8)-15
32	3	(10+15)+7, (12+7)+13, (2+17)+13
26	3	(13+2)+11, (8+11)+7
13	3	(8-10)+15, 8-(2-7), 10-(12-15)
20	3	10-(2-12), (2+8)+10, (17-8)+11
28	4	((15+7)-11)+17, (15-10)+(12+11), (17-11)+(12+10)
6	4	(17-(12-8))-7, ((17-15)-7)+11, 8-((17-2)-13)

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9	3	5
6	4	13
10	2	15

Answer	Number of Terms	Examples
11	2	9+2, 5+6
15	2	9+6
5	2	10-5, 3+2
6	2	9-3, 10-4, 2+4
13	2	15-2, 4+9
27	3	(13+9)+5
18	3	9-(6-15), (6+3)+9, (3+2)+13
25	3	(15+4)+6, (10+6)+9
2	3	(9-4)-3, (6-9)+5, (6-13)+9
19	3	10-(4-13), (10+15)-6, 13-(3-9)
13	4	(5+6)-(13-15), (3+6)+(9-5), (6-10)+(2+15)
11	4	5-((3-15)+6), (13+2)-(9-5), 13-(9+(3-10))

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9	13	5
12	14	11
10	8	7

Answer	Number of Terms	Examples
21	2	11+10, 7+14, 12+9
3	2	14-11, 11-8
2	2	9-7, 11-9, 13-11
23	2	9+14, 11+12, 13+10
4	2	9-5
34	3	(8+12)+14, (9+12)+13
18	3	(11-7)+14, 14-(9-13), (13-7)+12
9	3	(13+5)-9, (7-10)+12, 5-(10-14)
6	3	(7-14)+13, (8+5)-7, (8+7)-9
33	3	(14+10)+9, (11+13)+9, (10+12)+11
15	4	(8-(13-11))+9, 13-(7+(5-14)), ((12+9)-11)+5
10	4	12-((7-10)+5), (10-5)-(8-13), ((13+9)-5)-7

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5	16	12
6	11	4
9	2	7

Answer	Number of Terms	Examples
14	2	16-2, 5+9, 2+12
9	2	2+7, 4+5, 11-2
8	2	12-4, 2+6
16	2	5+11, 9+7
4	2	11-7
17	3	(12-6)+11, (2+11)+4, (6+2)+9
22	3	(6+9)+7, (5+11)+6, (4+2)+16
23	3	(7+12)+4, (12-5)+16, (5+12)+6
33	3	(5+16)+12, (11+16)+6
32	3	(11+5)+16, (7+9)+16
29	4	(4+12)+(7+6), ((12+5)-4)+16, 16-((6-12)-7)
35	4	(5+11)+(12+7), (5+12)+(2+16)

5	6	7
4	9	3
20	19	10

Answer	Number of Terms	Examples
2	2	6-4, 5-3
11	2	6+5
25	2	19+6, 20+5
9	2	19-10, 6+3
16	2	20-4, 9+7, 10+6
5	3	4-(6-7), (4-5)+6, (19-20)+6
8	3	5-(6-9), 19-(7+4), 5-(7-10)
31	3	(20+6)+5
7	3	6-(4-5), (6+4)-3
25	3	9-(3-19)
17	4	(10-(7+5))+19, ((7-3)-6)+19, ((10+6)-3)+4
12	4	(4+6)-(5-7), ((4+3)-5)+10, 3-((4-19)+6)

19	4	6
10	17	14
7	2	8

Answer	Number of Terms	Examples
10	2	6+4, 14-4
2	2	10-8, 6-4, 4-2
36	2	17+19
9	2	17-8, 7+2
12	2	2+10, 19-7
17	3	4-(6-19), (7+4)+6, (8+19)-10
30	3	(4+19)+7
29	3	14-(4-19)
25	3	(19+4)+2, (14+17)-6, (19-8)+14
37	3	(14+19)+4, (10+8)+19
54	4	(14+17)+(19+4)
31	4	((8+6)-2)+19, (14+7)+(2+8), 19-((6-10)-8)

9	7	5
6	8	12
20	10	11

Answer	Number of Terms	Examples
2	2	8-6, 9-7, 11-9
15	2	8+7, 5+10, 20-5
21	2	11+10, 12+9
13	2	6+7, 5+8, 20-7
16	2	5+11, 7+9, 6+10
8	3	(11+9)-12, (7-11)+12, (5+9)-6
35	3	(10+20)+5, (7+8)+20, (20+6)+9
6	3	(8-9)+7, 11-(10-5), (5-9)+10
22	3	(7+10)+5, (20+11)-9, (9+7)+6
3	3	(7+5)-9, (5+9)-11, (5-12)+10
9	4	(5+6)+(9-11), (11-(8+6))+12, ((20+6)-8)-9
29	4	(8+9)+(7+5), (11-(12-20))+10, (10-8)+(7+20)

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10	20	2
14	8	6
15	11	3

Answer	Number of Terms	Examples
24	2	10+14
13	2	15-2, 11+2, 10+3
9	2	20-11, 3+6
14	2	20-6, 8+6, 3+11
12	2	10+2, 15-3
12	3	14-(10-8)
32	3	(10+20)+2, (3+14)+15, (15+20)-3
35	3	(10+14)+11, (14+15)+6
45	3	(15+20)+10, (11+20)+14
24	3	(2+8)+14, (10+20)-6, 6-(2-20)
14	4	((8-2)-3)+11, (20-2)+(10-14), (20+3)+(2-11)
26	4	2-((10-20)-14), (14+3)+(15-6)

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14	5	7
13	2	4
11	10	18

Answer	Number of Terms	Examples
6	2	13-7, 4+2
5	2	7-2
11	2	13-2, 18-7, 7+4
27	2	14+13
19	2	5+14
22	3	(13-2)+11, (7+11)+4, 14-(2-10)
7	3	(5+13)-11, (14-2)-5, (2-5)+10
20	3	(4+2)+14, (13+18)-11, (2+7)+11
30	3	(14+11)+5
17	3	(13-7)+11, 14-(2-5)
39	4	(14+2)+(5+18)
50	4	(7+14)+(18+11), (14+13)+(5+18)

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8	9	20
10	3	19
4	6	2

Answer	Number of Terms	Examples
10	2	20-10, 4+6, 2+8
17	2	19-2
7	2	10-3, 4+3, 9-2
3	2	9-6
11	2	2+9, 8+3
36	3	(10+6)+20, (9+19)+8
9	3	8-(9-10), (19+10)-20, (3-4)+10
47	3	(8+20)+19
20	3	(9+3)+8, (4+19)-3, (8+10)+2
32	3	(20+4)+8
44	4	19-((3-8)-20)
6	4	(19-2)-(3+8), (20+2)+(3-19), ((20+3)-8)-9

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3	4	14
9	11	13
16	10	17

Answer	Number of Terms	Examples
5	2	16-11, 9-4, 14-9
12	2	3+9
8	2	17-9, 11-3
16	2	13+3
3	2	17-14, 13-10
4	3	11-(10-3), (11-3)-4, (16-3)-9
2	3	4-(13-11), (13+3)-14, (3-10)+9
10	3	(4+16)-10, (11+9)-10, (17-3)-4
6	3	17-(14-3), 16-(13-3)
23	3	(9+4)+10, (11+3)+9
20	4	(10+4)+(17-11), ((10+16)-17)+11, 10-((3-17)+4)
49	4	(3+13)+(17+16)

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19	16	5
20	5	4
3	12	6

Answer	Number of Terms	Examples
23	2	20+3, 19+4
39	2	19+20
14	2	19-5
10	2	6+4, 5+5, 16-6
2	2	6-4
40	3	(5+19)+16
38	3	(19+16)+3
55	3	(20+16)+19
32	3	20-(4-16)
15	3	(12-16)+19, (5+4)+6, (3-4)+16
35	4	(5+19)+(5+6), (19-(5-16))+5, (19-(16-12))+20
20	4	(4+5)+(16-5), ((5+19)-20)+16, (20+19)-(3+16)

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9	6	8
3	15	12
5	7	17

Answer	Number of Terms	Examples
4	2	9-5
5	2	17-12, 8-3
10	2	15-5, 3+7
8	2	17-9, 5+3
7	2	15-8
33	3	(15+12)+6, (9+17)+7
31	3	(8+17)+6
5	3	8-(9-6), 17-(9+3), (7-17)+15
30	3	(8+7)+15, (17+7)+6, (5+8)+17
15	3	(6-3)+12, 12-(6-9)
26	4	(17-12)+(15+6), ((6+15)-7)+12, (8-(6-15))+9
41	4	(7+9)+(17+8), (9+17)+(3+12)

3	9	7
4	10	15
12	6	19

Answer	Number of Terms	Examples
6	2	9-3, 12-6, 15-9
9	2	19-10, 3+6
3	2	9-6, 6-3
4	2	10-6
2	2	6-4, 12-10
5	3	(3+9)-7, (9+15)-19, 4-(6-7)
37	3	(12+10)+15, (3+15)+19
13	3	(19+4)-10, (4+6)+3, 9-(6-10)
34	3	(3+12)+19, (19+9)+6
28	3	(6+10)+12, (15+3)+10, (15+7)+6
35	4	(10+4)+(9+12), (6+15)+(4+10), (10+7)+(3+15)
43	4	12-((3-15)-19)

2	5	8
10	4	15
19	9	6

Answer	Number of Terms	Examples
15	2	6+9, 19-4
11	2	15-4, 19-8, 5+6
7	2	9-2, 15-8
4	2	6-2
21	2	2+19, 6+15
17	3	(2+10)+5, (4+8)+5, (15-2)+4
28	3	(19+5)+4, (9+15)+4
32	3	(4+19)+9, (5+8)+19
7	3	(19-10)-2, 5-(6-8), 2-(5-10)
18	3	(5+4)+9, (2+10)+6, (6+8)+4
15	4	(2+15)-(6-4), 4-((2-5)-8), (19-8)+(9-5)
16	4	((10+19)-5)-8, (15-6)+(2+5), (10+8)-(4-2)

11	8	6
15	10	16
3	9	2

Answer	Number of Terms	Examples
3	2	11-8, 9-6, 6-3
14	2	8+6, 16-2
8	2	11-3, 16-8
19	2	11+8, 3+16, 9+10
7	2	15-8
33	3	(8+15)+10, (16+15)+2
35	3	(9+10)+16, (8+16)+11
13	3	(16+8)-11, (15-11)+9, (11-6)+8
6	3	(11+10)-15, (9+8)-11
16	3	(2+8)+6, (9+15)-8, (15+3)-2
29	4	(11+9)+(3+6), (15+8)+(16-10), 6-((2-10)-15)
13	4	(6+15)+(8-16), (2+6)-(3-8), (6-11)+(16+2)

4	13	14
15	12	19
3	2	17

Answer	Number of Terms	Examples
5	2	17-12, 19-14
7	2	19-12, 3+4
10	2	12-2, 14-4
19	2	2+17, 15+4
17	2	4+13, 14+3, 2+15
31	3	(15-3)+19, (13+4)+14, (15+13)+3
22	3	15-(12-19)
32	3	17-(4-19), (17+13)+2, (4+15)+13
36	3	(19+2)+15, (19+4)+13
33	3	(2+12)+19, (4+12)+17
20	4	(14-(13-4))+15, ((4+17)-14)+13, (17+19)-(3+13)
43	4	13-((3-19)-14), (15+12)+(19-3), (17-(2-13))+15

16	13	19
5	7	6
20	3	15

Answer	Number of Terms	Examples
15	2	20-5
29	2	13+16
35	2	16+19, 20+15
6	2	13-7
10	2	15-5, 13-3, 16-6
11	3	(20-6)-3, 7-(15-19), 13-(7-5)
2	3	(13-6)-5, (15+7)-20, 20-(5+13)
36	3	(13+7)+16, (3+13)+20, (5+15)+16
48	3	(13+20)+15, (19+13)+16
42	3	(16+7)+19
17	4	(15+5)+(13-16), 13-((15-16)-3), (13-19)+(16+7)
47	4	15-((3-19)-16)

15	20	1
10	11	12
9	2	5

Answer	Number of Terms	Examples
6	2	15-9
5	2	10-5
16	2	1+15, 5+11
13	2	15-2, 2+11
14	2	9+5, 15-1
4	3	(20-1)-15, (1+5)-2, 15-(9+2)
45	3	(20+15)+10
6	3	(11+15)-20, (10+11)-15, 10-(5-1)
30	3	11-(1-20)
44	3	(15+20)+9
17	4	(1+12)+(15-11), (20+1)+(11-15), (11-(10-1))+15
25	4	(11-5)-(1-20), (1+15)+(20-11), (9-5)+(10+11)

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7	10	4
3	11	6
13	2	5

Answer	Number of Terms	Examples
10	2	6+4, 13-3, 7+3
20	2	7+13
4	2	7-3, 6-2
5	2	10-5, 11-6
3	2	5-2
3	3	(6-7)+4, 2-(4-5), 6-(5-2)
14	3	(10+6)-2, (11-7)+10, 6-(3-11)
10	3	7-(2-5), 3-(4-11), 3-(6-13)
16	3	(13+7)-4, (13-2)+5, (11+10)-5
9	3	(4+7)-2, (7-11)+13, (10-5)+4
18	4	(6-(11-13))+10, ((13+4)+7)-6, (11+4)-(2-5)
36	4	(13+6)+(10+7), (13+10)+(11+2)

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15	2	5
10	13	19
3	8	7

Answer	Number of Terms	Examples
14	2	19-5
8	2	13-5
20	2	5+15, 7+13
12	2	5+7, 10+2, 15-3
6	2	19-13, 8-2
38	3	(15+10)+13
32	3	19-(2-15), (3+10)+19, (5+19)+8
30	3	(13+7)+10, (10+5)+15, (19+3)+8
33	3	(13+5)+15
15	3	5-(3-13)
32	4	(15+2)+(8+7), ((19+3)-5)+15, (5+10)+(15+2)
2	4	(2+15)-(5+10), 19-(15+(10-8)), (2+3)+(5-8)

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20	7	16
13	18	3
11	12	10

Answer	Number of Terms	Examples
10	2	20-10, 7+3
3	2	16-13, 10-7
36	2	16+20
7	2	20-13, 10-3
9	2	20-11
48	3	(16+12)+20, (20+10)+18
29	3	20-(3-12), (16+20)-7
24	3	13-(7-18)
11	3	(18+3)-10, 20-(12-3), 13-(12-10)
54	3	(20+18)+16
29	4	(16+11)-(18-20), ((20+7)-16)+18, (13-(7-3))+20
7	4	(11-(13+3))+12, (20+10)-(16+7), (11-13)+(16-7)

5	8	4
10	9	3
2	12	1

Answer	Number of Terms	Examples
4	2	5-1, 12-8, 1+3
15	2	10+5, 3+12
5	2	10-5
14	2	9+5
2	2	12-10, 5-3
18	3	(4+12)+2, (10+5)+3
22	3	(4+10)+8
17	3	(10-2)+9, 10-(1-8), 10-(5-12)
12	3	(9+8)-5, (5+4)+3, (8+5)-1
6	3	(12-8)+2, (12-4)-2, (10+1)-5
10	4	(5-(8-9))+4, ((10-4)-5)+9, ((4+1)-5)+10
2	4	(2+5)-(1+4), ((9+10)-5)-12, (1+3)-(4-2)

11	5	15
14	9	20
16	18	4

Answer	Number of Terms	Examples
31	2	20+11, 16+15
13	2	18-5
10	2	15-5, 14-4
9	2	18-9, 5+4, 14-5
26	2	11+15
30	3	(9+16)+5, 15-(5-20), (11+5)+14
26	3	(15-9)+20, 16-(4-14), 20-(5-11)
32	3	(5+9)+18, (5+16)+11
4	3	15-(16-5), (20-5)-11
40	3	(9+16)+15, (11+20)+9, (15+14)+11
42	4	14-((5-18)-15)
15	4	((16+15)-20)+4, (14+5)-(15-11), 18-((15-16)+4)

11	13	8
9	15	2
14	18	4

Answer	Number of Terms	Examples
20	2	9+11
9	2	13-4, 18-9, 11-2
5	2	18-13, 13-8, 14-9
6	2	15-9, 14-8, 2+4
2	2	11-9, 13-11, 4-2
6	3	(11+8)-13, (2-14)+18, (9-14)+11
11	3	8-(15-18), 4-(8-15), 18-(9-2)
32	3	(8+13)+11
9	3	(11+13)-15, (15-8)+2, 2-(4-11)
21	3	14-(8-15)
47	4	(11+13)+(8+15)
18	4	11-(2+(4-13)), (13-(14-11))+8, (15-4)+(9-2)

11	16	7
15	4	13
3	10	18

Answer	Number of Terms	Examples
27	2	11+16
3	2	7-4, 18-15, 16-13
11	2	18-7, 15-4, 7+4
6	2	13-7, 16-10
18	2	15+3, 11+7
14	3	(7-3)+10, 11-(4-7), (7-11)+18
2	3	(10-11)+3, 15-(16-3), (13-18)+7
37	3	(3+18)+16, (16+11)+10
18	3	13-(11-16), (7+15)-4
12	3	(11+16)-15, 3-(7-16), (13+3)-4
8	4	(16+3)-(7+4), (7-(15-13))+3, (4-18)+(7+15)
57	4	(15+18)+(13+11)

16	15	12
9	2	17
6	7	20

Answer	Number of Terms	Examples
25	2	9+16
9	2	16-7
10	2	12-2, 16-6
31	2	16+15
6	2	12-6, 15-9
3	3	12-(16-7), (16+2)-15, (2+7)-6
16	3	15-(16-17), (20-6)+2
18	3	15-(17-20)
8	3	(9+15)-16, (6-7)+9, (16+12)-20
40	3	(16+9)+15
9	4	16-((15-6)-2), (20-(6-7))-12, (7+20)-(2+16)
2	4	(17-12)+(6-9), (2-(9+6))+15, (9+16)-(6+17)

4	19	18
10	8	20
16	6	11

Answer	Number of Terms	Examples
23	2	4+19
24	2	6+18, 4+20, 16+8
10	2	4+6, 18-8, 16-6
14	2	8+6, 10+4, 18-4
6	2	10-4
3	3	10-(11-4)
5	3	4-(10-11), 20-(4+11), (6+19)-20
38	3	(11+19)+8
35	3	20-(4-19), (10+19)+6
31	3	(8+4)+19, (20-8)+19
23	4	((11+4)-8)+16, (16+18)-(19-8), ((19-6)-8)+18
15	4	(20-(16-19))-8, (10+4)-(18-19), (10-(8-19))-6

6	4	5
13	10	3
19	14	12

Answer	Number of Terms	Examples
19	2	6+13
14	2	19-5, 4+10
7	2	12-5, 4+3, 19-12
3	2	13-10
25	2	13+12, 6+19
7	3	3-(6-10), (3+14)-10, (6+5)-4
39	3	(6+14)+19
8	3	(10+12)-14, (6-12)+14, (19-6)-5
25	3	(10+12)+3, (6+14)+5
33	3	(13+6)+14
16	4	(5-6)+(3+14), ((4+3)-10)+19, (13-(10+6))+19
42	4	(13+19)+(4+6), (12+13)+(14+3), (4+19)+(5+14)

6	7	9
14	15	8
17	19	18

Answer	Number of Terms	Examples
11	2	19-8, 17-6
10	2	18-8, 17-7
15	2	9+6, 8+7
20	2	14+6
12	2	18-6, 19-7
14	3	(6+15)-7, (18-19)+15, (7+15)-8
35	3	(14+6)+15, (9+7)+19, (8+18)+9
2	3	18-(9+7), 17-(6+9), 8-(15-9)
21	3	9-(6-18), (19-7)+9, (17-15)+19
32	3	(8+6)+18, (8+15)+9, (6+17)+9
4	4	(6-18)+(9+7), (18-6)-(17-9), 15-((8-6)+9)
37	4	(18-(6-17))+8, (15+6)+(9+7)

2	6	12
10	8	4
7	16	9

Answer	Number of Terms	Examples
3	2	9-6
2	2	6-4, 12-10, 4-2
5	2	12-7
9	2	7+2
14	2	16-2, 8+6, 4+10
30	3	(12+16)+2, (16+4)+10
18	3	(12+8)-2, (4+2)+12, (4-2)+16
12	3	(10-6)+8, (7+9)-4, (6-2)+8
4	3	9-(12-7), (2-10)+12, 10-(12-6)
20	3	(6-2)+16, (16-4)+8, (12+16)-8
37	4	(4+10)+(7+16), (2+16)+(9+10), (2+16)+(7+12)
4	4	7-(9+(10-16)), ((8+12)-6)-10, 9-((2-4)+7)

18	9	20
11	15	5
10	14	7

Answer	Number of Terms	Examples
5	2	15-10, 10-5, 20-15
11	2	20-9
2	2	9-7
38	2	20+18
27	2	9+18
24	3	20-(10-14), (20+18)-14, 18-(9-15)
21	3	18-(7-10), 10-(9-20), 20-(10-11)
32	3	(14+7)+11, (5+7)+20, (5+18)+9
37	3	(18+9)+10, (10+20)+7
42	3	(15+9)+18
18	4	((18-5)-9)+14, 15-((7-20)+10), (9-20)+(11+18)
32	4	((10+20)-7)+9, (9-(11-20))+14, (7-(5-20))+10

6	2	8
10	7	16
11	12	19

Answer	Number of Terms	Examples
14	2	6+8
3	2	11-8, 10-7
8	2	2+6
17	2	19-2, 7+10, 11+6
9	2	2+7, 16-7, 11-2
26	3	(6+12)+8, (8+11)+7
19	3	16-(7-10)
29	3	(11+6)+12, (16+7)+6, (8+2)+19
30	3	(12+16)+2, (8+6)+16, (7+12)+11
11	3	6-(2-7), 19-(16-8), 7-(12-16)
27	4	(11+6)+(2+8), 6-((8-19)-10), (6+12)+(7+2)
10	4	(8-(10+7))+19, (7-11)+(2+12), ((10+7)-19)+12

2	10	13
6	7	15
3	9	12

Answer	Number of Terms	Examples
17	2	15+2, 7+10
4	2	10-6
7	2	13-6, 9-2
8	2	2+6, 15-7, 10-2
3	2	9-6, 15-12, 6-3
25	3	(6+9)+10, (12+6)+7, (12+3)+10
21	3	(6+2)+13, (9+2)+10
18	3	10-(7-15), 15-(3-6), 13-(2-7)
5	3	3-(7-9), (6-13)+12, (2+15)-12
19	3	(6+15)-2, (7+2)+10, 12-(2-9)
32	4	(3+12)+(10+7), (9+12)-(2-13), (13+7)+(10+2)
11	4	(15-7)-(10-13), (12-(13+3))+15, 6-((3-15)+7)

12	6	8
2	4	5
11	19	3

Answer	Number of Terms	Examples
3	2	11-8, 5-2
16	2	12+4, 11+5
8	2	19-11, 5+3, 12-4
14	2	19-5, 8+6, 11+3
9	2	6+3, 12-3, 4+5
10	3	3-(5-12), 8-(3-5), (19-5)-4
2	3	(5-6)+3, 12-(2+8), (8+6)-12
31	3	(11+8)+12
37	3	(12+19)+6
25	3	(2+12)+11, (8+12)+5, (2+4)+19
18	4	(5-(3-12))+4, (3+6)+(4+5), (3-(6-2))+19
16	4	(12-(6-8))+2, (8-(6-19))-5, 19-((2-3)+4)

2	19	20
3	16	7
11	5	6

Answer	Number of Terms	Examples
3	2	5-2
22	2	16+6, 20+2
21	2	5+16, 19+2
4	2	11-7, 6-2
5	2	2+3, 16-11
12	3	11-(5-6), 2-(6-16), (20-3)-5
10	3	(19-11)+2, (19-7)-2, (6+7)-3
14	3	(2+7)+5, 6-(11-19), 19-(3+2)
38	3	(7+20)+11, (3+19)+16
44	3	(19+20)+5
47	4	(6+2)+(20+19)
44	4	(20+7)+(19-2), (2+19)+(3+20), (3+16)+(6+19)

14	13	10
5	15	9
6	3	12

Answer	Number of Terms	Examples
11	2	14-3
4	2	14-10, 13-9, 10-6
23	2	14+9, 13+10
5	2	15-10, 10-5, 14-9
29	2	14+15
15	3	12-(10-13), 9-(6-12)
32	3	(5+15)+12, (10+13)+9, (13+14)+5
14	3	(3+5)+6, (15+12)-13, (13+15)-14
21	3	(10-3)+14, (12+15)-6, (13+5)+3
2	3	13-(14-3), 10-(3+5), (14-9)-3
2	4	(10-14)+(15-9), ((9+10)-3)-14, (14-10)+(3-5)
54	4	(13+12)+(14+15)

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17	3	2
8	4	18
6	14	9

Answer	Number of Terms	Examples
25	2	17+8
21	2	4+17
13	2	17-4
16	2	18-2
12	2	18-6, 3+9, 8+4
22	3	(8-3)+17, (2+3)+17, (9+17)-4
39	3	(14+8)+17
18	3	3-(2-17), (3+6)+9, 14-(4-8)
16	3	6-(8-18), (8-6)+14, 18-(4-2)
34	3	(17+9)+8
24	4	(14-2)+(8+4), (14+18)-(17-9), (14-(4-6))+8
16	4	(6+17)+(2-9), 3-((14-9)-18), (9-14)+(4+17)

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11	20	12
7	4	19
9	5	2

Answer	Number of Terms	Examples
4	2	11-7, 9-5
10	2	12-2, 19-9
18	2	7+11, 20-2
13	2	4+9, 20-7, 11+2
27	2	7+20
43	3	(19+20)+4, (20+11)+12
17	3	19-(4-2), 20-(7-4), 9-(4-12)
28	3	(7+19)+2, (12+5)+11, (20+12)-4
37	3	19-(2-20)
40	3	(9+11)+20, (12+9)+19
53	4	(5+9)+(19+20)
36	4	(5+7)+(20+4), (20-7)+(12+11), ((9+20)-5)+12

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7	2	20
16	13	3
4	8	12

Answer	Number of Terms	Examples
18	2	20-2, 16+2
16	2	3+13, 20-4, 4+12
20	2	13+7, 4+16
9	2	2+7, 12-3
4	2	12-8
36	3	(16+13)+7, (13+20)+3
15	3	(20+2)-7, (4+13)-2, 7-(12-20)
6	3	(20-2)-12, 12-(8-2), (12-2)-4
35	3	(12+16)+7, (2+20)+13, (7+8)+20
12	3	(20-16)+8, 4-(8-16), (7+3)+2
42	4	(12+2)+(20+8), (16+13)+(20-7), (2+20)+(13+7)
14	4	(2-7)+(16+3), (7-(4-8))+3, 7-((8-13)-2)

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10	13	7
16	14	19
15	2	8

Answer	Number of Terms	Examples
4	2	14-10, 19-15
9	2	19-10, 7+2
24	2	8+16, 14+10
12	2	2+10, 19-7
3	2	16-13, 13-10, 10-7
30	3	(7+15)+8, (13+10)+7
11	3	2-(10-19), (13+14)-16, (19-16)+8
18	3	(19+14)-15, (19+13)-14, (13+15)-10
10	3	8-(14-16), (2-7)+15, 15-(19-14)
2	3	(14-2)-10
48	4	(8+16)+(14+10)
44	4	(7+14)+(13+10), (8+19)+(7+10), (13+19)+(14-2)

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7	4	5
19	13	3
17	12	9

Answer	Number of Terms	Examples
26	2	9+17, 7+19
13	2	9+4, 17-4
6	2	13-7, 19-13
14	2	5+9, 17-3
19	2	12+7
39	3	(7+13)+19
8	3	(4+7)-3, (19-4)-7, (4-5)+9
38	3	(12+7)+19
22	3	(17+12)-7, 19-(4-7)
16	3	7-(4-13), (12-5)+9, (9+3)+4
47	4	(19+17)+(4+7)
55	4	(12+7)+(19+17)

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11	7	2
12	17	8
3	5	10

Answer	Number of Terms	Examples
12	2	17-5, 5+7
15	2	5+10, 17-2
19	2	11+8, 12+7
13	2	8+5, 10+3, 11+2
18	2	11+7
13	3	(12-10)+11, 12-(2-3), (5+10)-2
30	3	(7+12)+11, (17+11)+2, (17+8)+5
20	3	17-(7-10), (8+5)+7, (3+12)+5
6	3	(11-12)+7, (5-7)+8, (10+7)-11
35	3	(7+11)+17
3	4	(7+3)-(5+2), ((12-10)-7)+8, (12-(2-10))-17
38	4	(11+2)+(8+17), (17+10)+(3+8), (12+17)+(7+2)

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4	15	12
8	18	3
2	7	10

Answer	Number of Terms	Examples
6	2	8-2, 10-4
11	2	8+3, 15-4, 4+7
7	2	15-8
3	2	7-4
12	2	2+10, 15-3
40	3	(15+18)+7
8	3	(15-4)-3, 2-(12-18)
19	3	(10+7)+2, (4+8)+7, (18+3)-2
29	3	(10+4)+15, (4+18)+7, (18+15)-4
38	3	(18+8)+12
15	4	18-((15-4)-8), (10+15)-(18-8), (18-8)-(2-7)
39	4	(15+2)+(10+12)

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19	13	11
3	7	2
6	14	10

Answer	Number of Terms	Examples
30	2	19+11
22	2	19+3
10	2	13-3, 7+3
17	2	19-2, 6+11, 7+10
4	2	6-2, 10-6
5	3	(10-7)+2, 3-(11-13), (14-2)-7
8	3	13-(7-2), 3-(14-19), (14-19)+13
46	3	(19+14)+13
4	3	19-(13+2), (7+11)-14, (13-7)-2
19	3	14-(2-7)
53	4	(19+13)+(14+7)
48	4	(6+19)+(13+10)

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13	5	19
8	11	6
9	12	4

Answer	Number of Terms	Examples
6	2	11-5, 12-6, 19-13
9	2	13-4, 4+5
32	2	19+13
4	2	12-8, 13-9, 9-5
5	2	9-4, 11-6
17	3	4-(6-19), 9-(5-13), 19-(11-9)
13	3	12-(4-5), 9-(4-8)
14	3	(8-6)+12, (6-11)+19, (19+4)-9
27	3	19-(4-12), (12+9)+6, 19-(5-13)
30	3	(5+6)+19, (6+11)+13, (12+13)+5
49	4	(11+6)+(13+19)
26	4	(8+11)-(5-12), (11-(13-19))+9, (5-6)+(8+19)

3	4	7
11	2	9
5	8	14

Answer	Number of Terms	Examples
12	2	$8+4, 5+7, 9+3$
2	2	$5-3$
3	2	$8-5$
10	2	$14-4, 7+3$
7	2	$5+2, 14-7, 9-2$
12	3	$14-(7-5), (5+4)+3, (11+4)-3$
6	3	$5-(7-8), (7-5)+4, 5-(2-3)$
14	3	$(7+9)-2, (8+9)-3, (3+7)+4$
22	3	$(4+11)+7, (5+8)+9, (5+3)+14$
10	3	$3-(2-9), (11-5)+4, 4-(3-9)$
16	4	$8-((5-2)-11), ((2+11)-4)+7, (4-5)+(14+3)$
38	4	$(14+11)+(9+4)$