

4+	10+		5+
		4+	
9+	1		5+
		2	

7+			9+
7+			
	7+	3+	6+
1			

3+	10+	8+	
		5+	
			6+
8+			

7+		7+	4+
	6+		
8+			6+
		2	

12+	5+		8+
	5+		
5+		5+	

4+	7+		7+
		3+	
7+			3+
6+		3	

5+		12+	
6+			3+
5+			
	6+		3

9+	5+		6+
		6+	
6+			
	4+		4

4+		6+	3+
7+			
3+		8+	7+
2			

6+	7+	8+	
	12+		
6+			1

6+		6+	4+
8+			
3+			6+
	7+		

6+	5+	8+	
		3+	
5+	4		9+

10+		8+	
	9+		8+
		4+	
1			

9+	8+		
		3+	
7+		10+	
			3

11+	1-		4+
		1-	
1-			10+
2-			

5+	5+		6+
		7+	
5+	6+		4+
		2	

5+	7+		3+
	2-	6+	
3-			1-
	3+		

9+			10+
2-		1	
4+	1-		
		7+	

6+	7+		
		3-	9+
1-			
6+			

11+		3+	
1-		10+	1
	3+		
3		2-	

13+	3-		1-
	4+		
		3+	
1-		1-	

5+		7+	5+
	6+		
1-			1-
	3-		

1-		7+	3
11+			
	5+		2-
2		3	

9+		7+	
	8+		5+
3-			
	1-		3

9+	3×		1-
		1-	
9+	1		12×

3-	8+		2×
		4÷	
9+			12×
	2×		

2-	11+		
	18×		
8×			2-
2		4	

1-	6+		1-
		2÷	
2×	18×		4×

3×		96×	
1−			
11+		2−	3+
	2		

32×	5+		2−
		3÷	
2×			6+
3		4	

12×		3+	8+
2÷			
6×	24×		

7+	6×		1−
	3+	48×	
1−			
	8+		

3÷	5+	8×	4
11+			3÷
2		3	

7+		32×	
	4÷		2÷
2÷		3÷	
	2		3

4×		12×	7+
	1-		
12×		4+	
			3

6×	7+		1-
		4÷	
4×	5+		2×
		3	

4+	9+	5+	10+	
			5+	
7+		5+		7+
7+			6+	
	8+			2

4+		12+		3+
11+	3+		6+	
		9+		8+
	11+			
3			5+	

5+		7+	7+	
12+			3+	
		7+		11+
7+	7+	5		
			4	

7+	5+		7+	10+
	6+			
3+		10+		
12+		8+		
			7+	

9+		4+		7+
6+		8+	9+	
11+				8+
	3+			
1		9+		

7+		3+	8+	
12+			6+	5+
		8+		
7+			6+	5+
	8+			

14+			6+	
	7+		3+	
5+	8+		8+	
		8+		6+
3+		7+		

8+		7+	5+	13+
5+				
	10+		5+	
7+	5+			
		10+		

6+	6+		12+	3
	11+			
		3+		5+
4+	9+	6+		
		8+		2

4+		11+		
6+	6+	12+		
		4+	6+	
8+	6+			7+
		5+		

9+			3+	6+
8+		11+		
			15+	5
7+	5+			
	5+			1

7+		7+	5+	9+
3+	9+			
		8+		
9+			14+	
	3			1

5+	2-		6+	2
	9+	5+		
1-			13+	
	1-			5+
3-		7+		

4-	7+	6+	7+	
			10+	
9+	4		10+	
				1-
2-		1-		

2-		3-		9+
5+	1-	6+	3	
				3+
10+	1-		2-	
		5		3

5+		7+	3-	9+
1-				
	3-	12+		7+
12+		4		

1-	6+		10+	
	3-	7+		11+
12+				
	9+		7+	2
		3		

8+	2-		4+	
		8+		1-
9+		10+	2	
4+				3+
	2-		4	

8+		10+		8+
	9+		4	
7+		3-		
	1-		13+	
3		5		

6+	7+			11+
	7+			
11+			2-	
6+		1-		6+
3			5	

6+		2-		8+
9+		11+		
3+				10+
	8+		3-	
1-		2		

4-		9+	11+	
6+				
2-		13+	7+	
	1-			
3			5+	

10+		6+		9+
	15+		7+	
8+		13+		
				4-
	1			

4+	12+	4-		6+
			2-	
7+		7+		9+
9+	3+		6+	

5×		1-	48×	2
3-	3-			
		10+		4+
24×	3		12+	

24×		8×	75×	
				4+
3-	10×		3+	
	9+			6+
5		7+		

1-		3-		15×
2÷	5×		12×	
	2÷	12×		
20×			7+	
	6+			4

3+	3×		80×	
	1-	20×	18×	
12+				
	1-	10×		
		2		1

9+		2÷	10+	
1-			120×	
6+	15×			
4-		12×		2

16×	4-		3×	9+
		12×		
6×			20×	1-
2-				
	1-		3+	

2-		1-		7+
6+		9×		
10×	8+		2-	
		6+	6+	
	4		4+	

7+	10+			5+
		8+		
10+		9+	4÷	9+
6+				
	3		3+	

3+		60×		
1-	3×	10×	11+	
			5+	
15+	4			7+

12×	6+		5+	10×
	4÷			
	1-	7+		5+
3-		15×	4÷	
	4			3

7+	2×		8+	
		12+		6+
12×				
100×		6×	2-	
2			5+	

5+	3+		60×	
	20×			
2-		2-	3+	
4÷	6+		2-	2÷
		3		

5+	18+			5+	
	5+		10+		
10+		8+	6+	5+	7+
	8+				
6+			10+	12+	
	5+				6

9+	14+		3+	7+	
	10+			9+	6+
		5+			
5+		9+	7+		4+
7+			10+	9+	
7+					5

9+		10+	11+	3+	
8+				7+	4+
10+		8+			
	5+		17+		
4+		13+		8+	9+

11+		4+		9+	2
9+	7+		10+		
		8+		5+	10+
12+			13+		
	7+	5+			
1			8+		5

6+		7+	10+		
7+			10+	11+	
14+				6+	
	12+			7+	3+
	3+	9+	15+		
1					5

5+	3+	9+		9+	
		9+	8+		7+
14+	9+		8+	5+	
					11+
	15+			5+	
2		7+			

10+		12+	15+		8+
8+					
	6+		9+		7+
4+		8+			
8+	10+		13+	3+	
		1			4

8+	7+		9+		5+
	10+	9+			
6+		6+		4+	
	5+	6+	13+		
7+			8+		11+
	9+		3+		

14+	4+		9+		8+
		7+	6+		
5+				11+	8+
12+		10+			
	13+			5+	
	6		3		5

6+		5+	9+	7+	8+
8+					
5+	11+	7+		5+	
		7+			11+
5+	10+			9+	
		11+			2

10+		5+	9+	7+	
9+				14+	14+
	7+				
		11+		4+	
11+	11+				5+
	3			6	

9+		5+	8+	11+	
11+	13+				6+
12+	4+		11+		9+
		10+	7+	10+	

7+	3-		6+		3-
	6+		15+	3	
	11+	6+			11+
8+			9+		
	5+			4-	
6		6+			3

12+			8+		3+
3-		3-	15+	1	
12+					1-
10+		5-		5+	
		2-	2-		9+
	1			6	

8+	5+		4-		3-
	5-		1-		
10+	3-	11+		3-	
			9+	14+	
3-		10+			
2			10+		1

10+		13+		1-	
	5-			9+	5
2-		13+	3		
	10+			3-	
3-				8+	8+
	15+				

1-		10+		11+	
7+		7+			3-
5+	11+		12+	5	
					11+
17+			5-		
	11+			2	

6+	4-	1-		4+	
		9+		6+	1-
7+			8+		
16+				6+	
	10+	1		13+	
5			3		2

5+		9+		8+	7+
15+			10+		
	11+				4+
3-	2-	1-		13+	
					15+
1-		6			

3-		5-		9+	10+
2-		5+	15+		
10+	3				
		5+		11+	2
11+		9+	5+		
5					6

1-		8+		7+	15+
15+		12+			
2-			9+	7+	
	4-				
10+		8+	10+		1-
				3	

9+		5-		12+	6+
	9+	1-			
			11+	2-	
2-	1-				11+
	1-		5+		
1-		4+			4

2-		8+	12+		7+
4-	2-			3-	
		15+	5+		10+
3-	2				
			3-	13+	
13+					2

6+		3-	11+		3+
19+	2			6+	
		13+			2-
3+			9+		
	9+			14+	8+
3		1			

3-	18×		2÷		60×
	12×		1-	12×	
2-		10×			
	4-		6+		
3×		15+		144×	
	4-				

13+		4×	1-		15+
	8×				
8+		18×		3-	
	11+		4÷	24×	3-
4+		5+			
3-			13+		

10+	60×		5-		15+
			5+	3+	
24×	6×				
	6+		14+		
	4-	7+			6×
5		5-		4	

9+		11+	14+		1-
12×				5+	
	6×				12+
2-	8×		60×		
		7+			
6×		7+		7+	

3×		2÷	10+		30×
1-			24×		
2÷	12+			12+	
	144×		15×		11+
		11+			
6			1		

20×		8+	2×		2-
5-	54×		1-	10+	
					2-
10×	1-		11+		
		1-		18×	
1-			9+		

15×		7+		11+	
10×		1-	12×		
	1-		6+		2÷
		4×	18×		
96×				20×	
6		3×			5

10+	18×	8×	4+	180×	
	20×	30×	3-		
11+				8+	
	6×		9+	7+	
	6÷				4

3×		14+	7+		12+
60×	5			90×	
		2÷			
3÷		30×			15×
	15+		4÷		
			6×		

2÷	150×			12+	4
	30×		120×		
2-		1-			12×
			24×		
180×		48×		3+	
					5

20×		5+		24×	
4÷	90×		10×		3-
				1-	
8+	6÷	1-	24×		7+
				5×	
5+		5			4

7+		18×		20×	
	3+		1-		12×
11+		4+		4×	
72×		15+			
10+			6×		
		4		30×	