



Problem of the Week

Problem D

New Year Sum

The positive integers are written consecutively in groups of seven so that the first row contains the numbers 1, 2, 3, 4, 5, 6, 7; the second row contains the numbers 8, 9, 10, 11, 12, 13, 14; the third row contains the numbers 15, 16, 17, 18, 19, 20, 21; etc.

The *row sum* of a row is the sum of the numbers in the row. For example, the row sum of the first row is $1 + 2 + 3 + 4 + 5 + 6 + 7 = 28$.

Determine the numbers in the row that has a row sum closest to 2019.

1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
⋮	⋮	⋮	⋮	⋮	⋮	⋮

