

N equalities

Enter a positive integer N and type N equalities

$$1 + N = N+1$$

$$2 + N-1 = N+1$$

$$3 + N-2 = N+1$$

...

$$N + 1 = N+1 .$$

Input

You need to input one natural number from a standard input device – $1 \leq N \leq 1000$.

Output

You need to output to the standard output device N required lines. The signs "+" and "=" are highlighted with spaces on both sides.

Sample Input	Sample Output
5	1 + 5 = 6 2 + 4 = 6 3 + 3 = 6 4 + 2 = 6 5 + 1 = 6
2	1 + 2 = 3 2 + 1 = 3