

Three Numbers

Input file: standard input
Output file: standard output
Time limit: 3 seconds
Memory limit: 256 megabytes

Given two numbers K and S . Determine how many **different values** of X, Y and Z such that $(0 \leq X, Y, Z \leq K)$ and $X + Y + Z = S$.

Input

Only one line containing two numbers K and S ($0 \leq K \leq 3000, 0 \leq S \leq 3K$).

Output

Print the answer required above.

Examples

standard input	standard output
2 1	3
9 4	15

Note

In the first test case all values of X, Y, Z that satisfy the conditions are :

0 0 1

0 1 0

1 0 0

In the second test case all values of X, Y, Z that satisfy the conditions are :

X Y Z	X Y Z	X Y Z	X Y Z
0 0 4	0 4 0	2 0 2	3 1 0
0 1 3	1 0 3	2 1 1	4 0 0
0 2 2	1 1 2	2 2 0	1 3 0
0 3 1	1 2 1	3 0 1	