

## A. Alyona and Numbers

time limit per test: 1 second

memory limit per test: 256 megabytes

input: standard input

output: standard output

After finishing eating her bun, Alyona came up with two integers  $n$  and  $m$ . She decided to write down two columns of integers — the first column containing integers from 1 to  $n$  and the second containing integers from 1 to  $m$ . Now the girl wants to count how many pairs of integers she can choose, one from the first column and the other from the second column, such that their sum is divisible by 5.

Formally, Alyona wants to count the number of pairs of integers  $(x, y)$  such that  $1 \leq x \leq n$ ,  $1 \leq y \leq m$  and  $(x + y)$  equals 0.

As usual, Alyona has some troubles and asks you to help.

### Input

The only line of the input contains two integers  $n$  and  $m$  ( $1 \leq n, m \leq 1\,000\,000$ ).

### Output

Print the only integer — the number of pairs of integers  $(x, y)$  such that  $1 \leq x \leq n$ ,  $1 \leq y \leq m$  and  $(x + y)$  is divisible by 5.

### Examples

<b>input</b>
6 12
<b>output</b>
14
<b>input</b>
11 14
<b>output</b>
31
<b>input</b>
1 5
<b>output</b>
1
<b>input</b>
3 8
<b>output</b>
5
<b>input</b>
5 7
<b>output</b>
7
<b>input</b>
21 21
<b>output</b>

### Codeforces Round #358 (Div. 2)

Finished

### → Virtual participation

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ACM-ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you - solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you - solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

### → Problem tags

constructive algorithms

number theory

No tag edit access

### → Contest materials

- Tutorial

**Note**

Following pairs are suitable in the first sample case:

- for  $X = 1$  fits  $y$  equal to 4 or 9;
- for  $X = 2$  fits  $y$  equal to 3 or 8;
- for  $X = 3$  fits  $y$  equal to 2, 7 or 12;
- for  $X = 4$  fits  $y$  equal to 1, 6 or 11;
- for  $X = 5$  fits  $y$  equal to 5 or 10;
- for  $X = 6$  fits  $y$  equal to 4 or 9.

Only the pair  $(1, 4)$  is suitable in the third sample case.