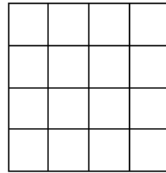


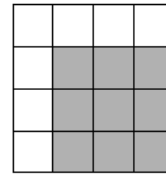
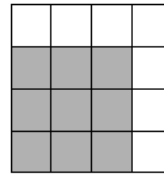
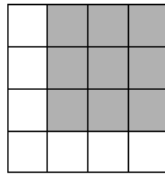
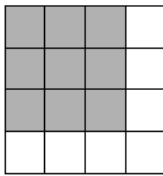
# Dickinson 2013: Dillsberg Squares



The town of Dillsburg, PA has decided to sell all of its community properties. Since all of the properties are perfect squares, the Dillsburg town council decided to simply break each square into multiple lots, where each lot is also a square. For example, there is one community property called Dill1 that has been divided into 16 square lots as follows:



Linda and Tim want to buy multiple lots, but Dillsburg has mandated that all purchases must also be squares. They decide to buy 9 lots in Dill1, but now realize they have 4 choices in how they buy their 9 lots:



You are to write a program that will calculate the number of choices that Tim and Linda have, given they want to buy  $L$  lots on a parcel of land of size  $N$  lots.

## Input Format

Input will consist of an integer  $N$ , a perfect square representing the total number of lots, on the first line, where  $1 \leq N \leq 1,000,000$ . This will be followed by an integer  $L$ , a perfect square, representing the number of lots to be purchased, where  $0 < L \leq N$ .

## Output Format

Output should consist of a single integer representing the number of choices that Tim and Linda have, given they are buying  $L$  out of  $N$  lots.

## Sample Input

```
16
4
```

## Sample Output

```
9
```