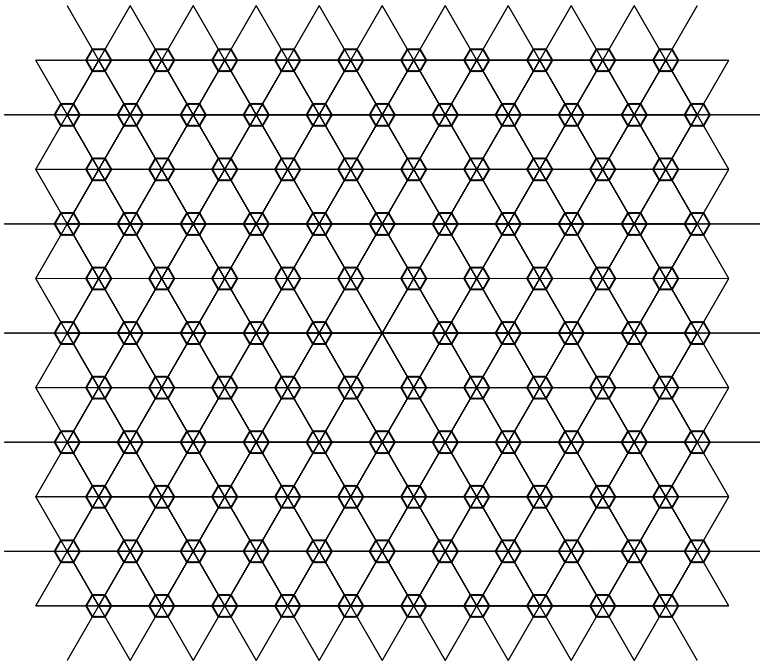
Counting Columns X98126_en

You are standing inside an ancient Measharan monument. It consists of an infinite number of regular hexagonal columns, arranged in a regular hexagonal grid. Each edge of each column is parallel to some line segment between the two nearest columns (like on the picture).



Given the distance between two columns d and the edge length of each column r, compute the number of columns that you can see.

Input

Input consists of several cases. Each case consists of two positive integers: d (distance between the centers of two columns), r (the edge length of each column). You can assume that $2r < d$, and that $1 \leq d, r \leq 10000$.
After the last case the input contains a line containing 0 0.

Output

Output the number of visible columns.

Sample input 1

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2 1
7 2
5 1
0 0
```

Sample output 1

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6
12
18
```

We have three consonants and two wovels, say, a, b, c, d, e. According to our definition, there are 5 words of length 1 (all letters), and 25 words of length 2 (all possible pairs of letters). At length 3 the answer is 98 (out of 5^3 possible words, 3^3 consists of only wovels, which makes them illegible).

Problem information

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