Garden Hose

Our garden is a square containing plants in **n** rows and **n** columns, a total of **n*n** plants. The distance between plants within a row is **rowDist** and between plants within a column is **colDist**.
I want to water the garden without getting my shoes muddy. That requires that I stand outside the garden, never closer than where the next row or column of the garden would be if it were enlarged. The hose can water plants that are **hoseDist** or less away from where I am standing. (Of course, I can move around and water from various locations.)
Given **n, rowDist, colDist,** and **hoseDist** as inputs, you must find and print the number of plants that cannot be watered.

Input Specification
The input will contain several test cases, each test cases will consit on a line containing n , rowDist, colDist and hoseDist,1<=**n,rowDist,colDist**<=50 and 1<=**hoseDist**<=10000.

Output Specification
Print one line per test case with the answer, follow the format below

Input Example
```
3  2  1  2
3  2  1  1
4  50  2  2
4  50  2  4
4  3  2  3
```

Output Example
```
0
3
8
0
4
```