Problem E
Triangles

Time limit: 1 second
Memory limit: 256 megabytes

Problem Description

A triangle is a shape which can be formed by connecting three non-colinear points with straight lines. Given a retangular grid formed by n horizontal lines and m vertical lines. How many different triangles be formed using the points on the intersections of the grid if all grid cells have the same area?

Input Format

In first line of input, there is an integer T ($T \leq 100$) indicating the number of test cases. Each of the following n lines contains a test case. Each test case has two positive integers n and m saparated by a blank. Both of them are no more than 100, and there prodect nm is no more than 1024.

Output Format

For each test case, output an integer representing the number of such triangles.

Sample Input

```
2
2 2
3 3
```

Sample Output

```
4
76
```