F	Tiling	
	Time Limit	1 second
	Memory Limit	128 MB

The group ACM48 became very famous, so they have to organize many more events. The staffs then think that it's time for the group to have their own place for events. The place contains **T** rooms. Each room has a different size and is a rectangle of size **N x M**. The staffs want to install tiles for every room, but the problem is the tile store only sells square tiles, and each square tile only has a size of integer. Also, we can't overlap the tiles in the installation for safety purpose. The staffs then need to know the least number of tiles possible to be installed for every room.

INPUT

The first line contains an integer **T** ($1 \le T \le 1{,}000{,}000$) representing the number of rooms in the place.

The ith line contains two integers N_i ($1 \le N_i \le 350$) and M_i ($1 \le M_i \le 350$) representing the size of the ith room.

OUTPUT

The ith line represents the least number of tiles possible to be installed for i^{th} room.

EXAMPLE

Sample Input	Sample Output
3 4 4 1 5 2 3	1 5 3