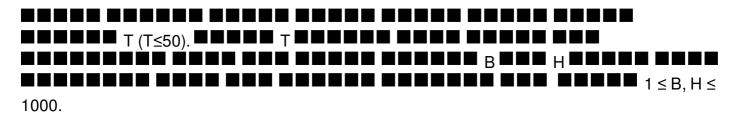
Fun Triangle

Given base and height of a triangle, print twice the area of that triangle.



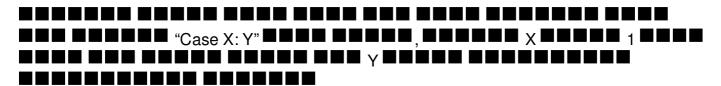
Input

The first line contains the test case number T (T \leq 50). Then T lines follow, each containing two integers B and H, which stands for Base and Height of the triangle respectively. Here 1 \leq B, H \leq 1000.



Output

For each case, print one line of output in the following format: "Case X: Y", where X is the number of case starting from 1, and Y is twice the area of the triangle.



Example

Input:

Output:

Case 1: 72 Case 2: 1736 Case 3: 167835