

Angular Relationship

Sri is travelling in the positive XY direction(I quadrant) of an infinitely long grid, with origin at (0, 0). Sri's fiance wants to give her a surprise and decides to arrange a party at her arrival location. In order to determine where she will be arriving, her fiance wants to know the angle Sri makes with respect to the X-axis. Given Sri's current location on the grid, help her fiance to determine the angle she makes with the X axis.

Input

Each test case consists of two integers, X and Y($0 \leq X, Y \leq 100$), where Sri is located right now. Assume the value of pi is 3.14.

Output

Print a line for each test case, denoting the floor value of the angle(in degrees) Sri makes with the X-axis.

Example

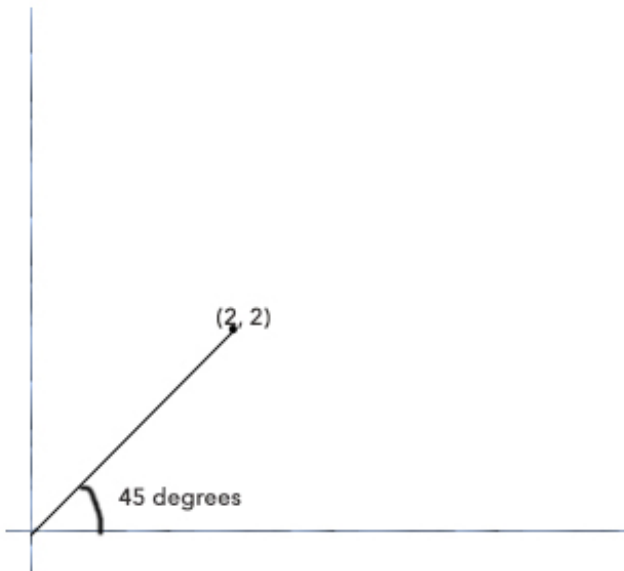
Input

2 2

Output

45

Explanation Sri is travelling diagonally and the angle she makes is exactly 45 degrees. (Look at the image for a better explanation)



Example 2

Input

1 20

Output

87