Check if given four points form a square

Given coordinates of four points in a plane, find if the four points form a square or not.

Input:
The first line of input contains an integer **T** denoting the number of test cases. Then **T** test cases follow. The first line of each test case contains 4 space separated integer points **a** , **b , c** , **d**

Output:
For each test case print 1 if the four points form a square else print 0. Remember to output the answer of each test case in a new line.

Constraints:
1<=**T**<=100
1<=**a,b,c,d**<=100

Example:

Input:
2
20 20 20 10 10 20 10 10
10 10 10 10 20 10 20 30

Output:
1
0