Problem B: Barsino

The government is considering passing a law to permit the construction of an entertainment complex called **"Barsino"** at three different locations, aiming to attract tourists to the town. However, this initiative requires support from various parties. While some parties are strongly opposed, others are still undecided on their vote.

One significant argument against the proposal is the concern that having a Barsino close to residential areas might increase the likelihood of residents developing an addiction to drinking milk (*yes, we do love drinking milk at a bar!*). Consequently, one party has proposed that they will support the law only **if there is no single point in town that is within an *R* kilometer radius of all three Barsino locations simultaneously**. Being exactly ***R*** kilometers away is considered within the range.

Input:

The first line of input is an integer ***T***, representing the number of test cases. Each test case consists of a single line containing seven numbers: $x_1, y_1, x_2, y_2, x_3, y_3$ and ***R***, where x_i, y_i represents the coordinates of each Barsino.

Output:

For each test case, print “Passed” if the law is passed (i.e., there is no single point in town within the R kilometer radius of all three Barsino locations at the same time). Otherwise, print "Rejected".

Sample Input	Sample Output
3 -2.5 1.5 -2 0.7 1 4.32 0.75 5.0 10.0 20.0 10.0 18.0 20.0 13.0 1.0 5.0 5.0 1.0 5.0 5.0 0.001	Passed Rejected Passed

Explanation:

- Test case #2: Consider the coordinate (13, 8)
    - Distance from (13, 8) to the 1st Barsino (5, 10) is 8.2462 <= 13
    - Distance from (13, 8) to the 2nd Barsino (20, 10) is 7.2801 <= 13
    - Distance from (13, 8) to the 3rd Barsino (18, 20) is 13 <= 13

  Since there is a point that is within ***R*** kilometers to all three Barsinos at the same time, the law is rejected.

- For other sample test cases, there is no single point that is within the range of all three Barsinos simultaneously, so the law is passed.

Constraints:

- 1 <= ***T*** <= 1000
- -10,000 <= x_i, y_i, ***R*** <= 10,000