

# Entangled Circles

The description of this problem is extremely simple. You are given **2 non-intersecting circles** in 3-dimensional world. Each of the circle is defined by **3 non - collinear points** lying on the circle. All you have to return is whether the circles are entangled or not (just like two links of a chain). Two circles are entangled if they cannot be separated from each other without breaking any of the circles.

## Input Format:

The first line contains a single integer, **T**, the number of test cases. Each of the **T** test cases are defined by **2** lines. The first line of each test case contains **9** integers representing the **3** points as **(x1, y1, z1), (x2, y2, z2), (x3, y3, z3)** which define the first circle. Similarly, the second line for each test case contains **9** integers representing the **3** points which define the second circle.

## Output Format:

For every query output **"YES"** without quotes if the circles are entangled and **"NO"** otherwise (quotes for clarity).

## Constraints:

$$1 \leq T \leq 100$$

$$-10000 \leq \text{Each Coordinate in the Input} \leq 10000$$

## Sample Input:

```
1
0 1 0 1 0 0 0 -1 0
0 0 0 1 0 -1 1 0 1
```

## Sample Output:

```
YES
```

**Problem Setter: Lalit Kundu**