Jim Beam

Problem Statement

Jim likes to play with laser beams.
Jim stays at point $(0,0)$.
There is a mirror at point (X_m, Y_m) and a wall between points (X_1, Y_1) and (X_2, Y_2).

Jim wants to find out if he can point the laser beam on the mirror.

Input Format

First line contains the number of test cases, T.
Each subsequent line contains one test case: space separated integers that denote endpoints of the wall X_1, Y_1, X_2, Y_2 and position of the mirror X_m, Y_m.

Output Format

The answer for each test case: Display `YES` if Jim can point the laser beam to the mirror, otherwise display `NO` .

Constraints

$1 \leq T \leq 100$
$0 \leq |X_1|, |Y_1|, |X_2|, |Y_2|, |X_m|, |Y_m| \leq 10^6$
Mirror doesn't have common points with wall.
Wall doesn't pass through the point $(0,0)$.

Sample Input

```
5
1 2 2 1 2 2
-1 1 1 1 1 -1
1 1 2 2 3 3
2 2 3 3 1 1
0 1 1 1 0 2
```

Sample Output

```
NO
YES
NO
YES
NO
```