

## Problem C: Parallel Lines

Paraphrasing *Wikipedia*, two lines  $m$  and  $l$  in the same plane are parallel if every point on line  $m$  is located at exactly the same (minimum) non-zero distance from line  $l$  (*i.e.* the two lines are *equidistant*). Under this definition, parallel lines do not intersect and cannot overlap each other.

A pair of lines can be represented by the following linear equations:

$$a_1x + b_1y + c_1 = 0$$

$$a_2x + b_2y + c_2 = 0,$$

where  $a_1$  and  $b_1$  are both not equal to zero and  $a_2$  and  $b_2$  are both not equal to zero. From these equations, you need to determine if the two lines they represent are parallel or not.

### Input

The first line contains an integer  $n$  which indicates the number of test cases.

Each of the next  $n$  lines contain six integers  $a_1$ ,  $b_1$ ,  $c_1$ ,  $a_2$ ,  $b_2$  and  $c_2$  that represent a pair of lines. You may assume that the input file is formatted correctly.

### Output

For each input, if the pair of lines represented by the input is parallel according to the above definition, then print **Yes**, otherwise print **No**.

**Sample input** (available as file “C.in”):

```
7
3 5 2 3 5 1
3 5 2 3 5 2
-4 5 3 20 -25 3
-1 -1 -1 -1 -1 -1
1 0 0 2 0 2
-5 -3 0 5 3 0
1 0 0 1 0 1
```

**Sample output** (available as file “C.out”):

```
Yes
No
Yes
No
Yes
No
Yes
```