E. Beautiful Matrix

Constraint: Time Limit: 2 seconds, Memory: 512MB



Problem description

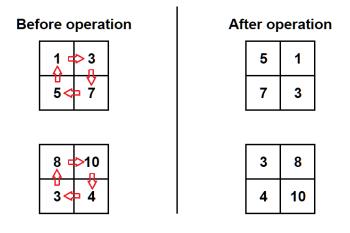
You are given a 2×2 matrix containing four distinct integers. Your goal is to transform this matrix into a **beautiful** one.

A matrix is considered **beautiful** if it satisfies both of the following properties:

- In every row, the left element is smaller than the right element.
- In every column, the top element is smaller than the bottom element.

	Bea	utiful		_		Not	beau	tiful	
1	3	10	13		7	3		1	3
5	7	12	42		5	1		7	5
	,								,
4	8	13	37		10	3		13	37
6	9	42	69		5	12		69	42

To achieve this, you are allowed to perform the following operation any number of times: **rotate the entire matrix 90 degrees clockwise** — that is, the element in the top-left corner moves to the top-right position, the top-right element moves to the bottom-right position, the bottom-left position, and the bottom-left element moves to the top-left position:



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Determine if it is possible to make the matrix beautiful by applying zero or more operations.

INPUT	OUTPUT
The first line contains one integer t ($1 \le t \le 1000$)	For each test case, print YES if the matrix can
— the number of test cases.	become beautiful, or NO otherwise. You may print each letter in any case
Each test case consists of two lines. Each of	(YES, yes, Yes will all be recognized as
those lines contains two integers - the	positive answer, NO, no and nO will all be
elements of the corresponding row of the	recognized as negative answer).
matrix. In each matrix, all four elements are	
distinct integers from 1 to 100.	

Example 1:

INPUT	OUTPUT
1	NO
13 54	
91 10	

Example 2:

INPUT	OUTPUT
1	YES
2 3	
4 5	

Example 3:

INPUT	OUTPUT
6	YES
1 3	YES
5 7	NO
8 10	YES
3 4	
8 10	YES
4 3	NO
61	
92	
7 5 4 2	
1 2	
43	