

Basketball

2022/2023 SEASON – FOURTH ROUND



Bogomil missed a basketball game of his favorite team, “the Blues”. He is convinced that his favorite team is so good that they had at least as many points as the opposing team during the whole game. You have to check the validity of that claim. Answer t such tests.

Input

The first line of the file **basketball.in** contains the number t . Then, for each test, the next line contains the number n , followed by n pairs of natural numbers - who and $points$. If $who = 1$, Bojo's team has scored $points$ points. If $who = 2$, then the opposing team has scored $points$ points.

Output

On t lines in the file **basketball.out**, print “YES” or “NO” depending on whether Bozho's team had at least as many points as the opposing team during the whole game.

Constraints

$$1 \leq n, t \leq 200$$

$$1 \leq who \leq 2$$

$$1 \leq points \leq 3$$

Time limit: 0.2 sec.

Memory limit: 256 MB.

Sample test

Input (basketball.in)	Output (basketball.out)
2	YES
3	NO
1 3	
1 2	
2 1	
5	
1 3	
2 2	
2 3	
1 3	
2 1	