Online 5: Greedy Algorithm
Time: 30 minutes

Problem Specification:

Imagine the situation described in the offline, but this time you can increase the number of resources to serve multiple customers at a time (one resource can serve one customer at a time). Find the **minimum number of resources** needed to **avoid delay in servicing any customer** (i.e you should increase the number of resources if all the current resources are occupied).

Input:

The first line of the input file will contain the number of customers, followed by the arrival and departure times of each customer in each line

For example:

6

20 23

21 34

30 32

32 43

35 40

50 52

Output:

The minimum number of resources needed to avoid delay in servicing any customer. Output for the above input should be :

2