

# BOSSACT

Boss aka Baskaran is a very busy man. He has a tight schedule and is unable to manage it. He wants to do as many tasks as possible in a day. His PA and friend Nalathambi approach you to find out the maximum number of tasks he will be able to do in a day without clashing, given Boss's schedule. Help Nalathambi. Nanbaen da :)

eg:

Boss's schedule:

1 to 5: English class with Chandrika  
6 to 9: Go to Nalathambi's shop  
1 to 7: Visit his tutorial centre  
2 to 5: Apply for Bank loan  
8 to 12: Business meeting with Nalathambi  
9 to 12: Have a peaceful sleep

The maximum number of activities he can do here without clashing is 3.

INPUT:

First line --> t: number of activities

For each case,

first line --> n - no of activities

second line -> followed by n lines with s - starting time and e- ending time in each line

OUTPUT: Maximum activities he can do

Input Constraints:

$1 \leq t \leq 10$

$1 \leq n \leq 100000$

$0 \leq s < e \leq 10000$

Sample:

2  
6  
1 3  
2 5  
3 8  
5 6  
6 8  
8 9  
4  
1 3  
2 4  
3 4  
1 4

Output:

4  
2