

Party Count

Problem Code: **PRTYCNT**


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Directi organizes FNCS (Friday Night Chill Session) every once in a while (lots of FUN!). Directionians comes and enjoy various events and then go out when they get tired and come back again when they are refreshed. For convinience, in/out of any person is recorded. At the end of the day, The organizer wonders what the maximum number of persons was during the event. So he ask for your help. He gives you the entry and exit time of each person like this:

Person	Entry_time	Exit_time
#1	6	10
#2	1	7
#3	1	4
#4	8	10
#5	6	10

The identity of the person does not matter. #1 and #4 may be the same person. In this case, maximum number of persons present during the event at any time is 3.

Your task is to read the entries and compute the max number of persons present during the course of event.

Input

Input contains multiple test cases. First Line is a integer T, representing the number of test cases to follow. First line of each test case is a number N, number of entry-exit records. This is followed by N lines. Each line consist of two space separated integers corresponding to entry time and exit time of a person.

Output

One line for each test case containing a single integer, denoting the maximum number of persons present at the party at any time.

Constraints

- $1 \leq T \leq 100$
- $1 \leq N \leq 100$
- $1 \leq \text{ENTRY_TIME} < \text{EXIT_TIME} \leq 10000000$
- The entry and exit time of the persons are guaranteed to be distinct

Example

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Input :

1
6
7 8
4 9
6 9
8 17
2 14
2 10

Output :

5

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Date Added: 30-01-2015

Time Limit: 2 secs

Source Limit: 50000 Bytes

Languages: C, CPP 4.3.2, CPP 6.3, CPP14, JAVA, PYTH, PYTH 3.5

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The time now is: 10:22:41 PM
Your IP: 123.201.210.10

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CodeChef was created as a platform to help programmers make it big in the world of algorithms, **computer programming** and **programming contests**. At CodeChef we work hard to revive the geek in you by hosting a **programming contest** at the start of the month and another smaller programming challenge in the middle of the month. We also aim to have training sessions and discussions related to **algorithms**, **binary search**, technicalities like **array size** and the likes. Apart from providing a platform for **programming competitions**, CodeChef also has various algorithm tutorials and forum discussions to help those who are new to the world of **computer programming**.

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