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Party Count

Problem code: PRTYCNT

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Directi organizes FNCS (Friday Night Chill Session) every once in a while (lots of FUN!). Directions comes and enjoy various events and then go out when they get tired and come back again when they are refreshed. For convenience, 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

Input:

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

Output:

```
5
```

Author: [directi_campus](#)

Tags: [directi_campus](#)

Date Added: 30-01-2015

Time Limit: 2 sec

Source Limit: 50000 Bytes

Languages: C, CPP 4.3.2, CPP 4.9.2, CPP14, JAVA, PYTH, PYTH 3.1.2

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The time now is: 05:47:56 PM
Your IP : 14.139.209.3

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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**.

Practice Section - A Place to hone your 'Computer Programming Skills'

Try your hand at one of our many practice problems and submit your solution in a language of your choice. Our **programming contest** judge accepts solutions in over 35+ programming languages. Preparing for coding contests were never this much fun! Receive points, and move up through the CodeChef ranks. Use our practice section to better prepare yourself for the multiple **programming challenges** that take place through-out the month on CodeChef.

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Here is where you can show off your **computer programming** skills. Take part in our 10 day long monthly **coding contest** and the shorter format Cook-off **coding contest**. Put yourself up for recognition and win great prizes. Our **programming contests** have prizes worth up to INR 20,000 (for Indian Community), \$700 (for Global Community) and lots more CodeChef goodies up for grabs.

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