

How many baby sitters

Angelina Jolie and Brad Pitt have 6 children. Since they are both super stars and very busy, they want to hire some part-time baby sitters for their young children. After screening thousands of applicants, there are several candidates. Each candidate can offer a continuous interval of working time. Suppose we have divide a day into 200 units, named 0–199, and the union of all working interval covers the whole day. You are asked to write a program for computing the minimum number of baby sitters whose working time intervals cover the whole day.

Input: The first line is an integer m indicating the number of test cases. Followed this line is an empty line. There is also an empty line between the data of two test cases. Each test case contains n line, $1 < n < 50$, and in each line there are two nonnegative integers x and y , which means the time interval of the baby sitter is between x and y , including x and y .

Output: In each line output the minimum number of required baby sitters of the test case.

Sample Input:

2

0 150
100 180
151 199
120 150

0 10
1 110
150 160
112 199
12 199

Output of the sample input:

2

3