Coloring intervals

Time limit: 1 sec

There are n intervals [s[i],t[i]], for i from 1 to n. The i-th interval starts at s[i] and ends at t[i], where t[i]>=s[i]+1. We want to color the intervals such that two intervals are of different colors if they overlap. Please find the minimum number of colors we need. Two intervals are overlapped if they have at least one point in common.

輸入：第一列有一個正整數 n 代表共有 n 組測試案例。接下來每一組測試案例的第一列是一個整數 m 表示此測試案例有 m 個區間，接著的 m 列每一列是一個區間的起始(s[i])與結束(t[i])時間，之間以一個空格區隔，每個時間點是一個介於 0~10^7 之間的整數，m 不超過 50000。

輸出：針對每一組測試案例，輸出最小的顏色數量，每組測試案例輸出一列。

範例輸入：
```
2
2
0 1
1 3
5
0 30
10 20
20 50
21 40
40 50
```

範例輸出：
```
2
3
```