Practice 5

YAO ZHAO

Interval covering

Given n intervals [li,ri] in axis, find the minimum points in axis that each interval contains at least one point.
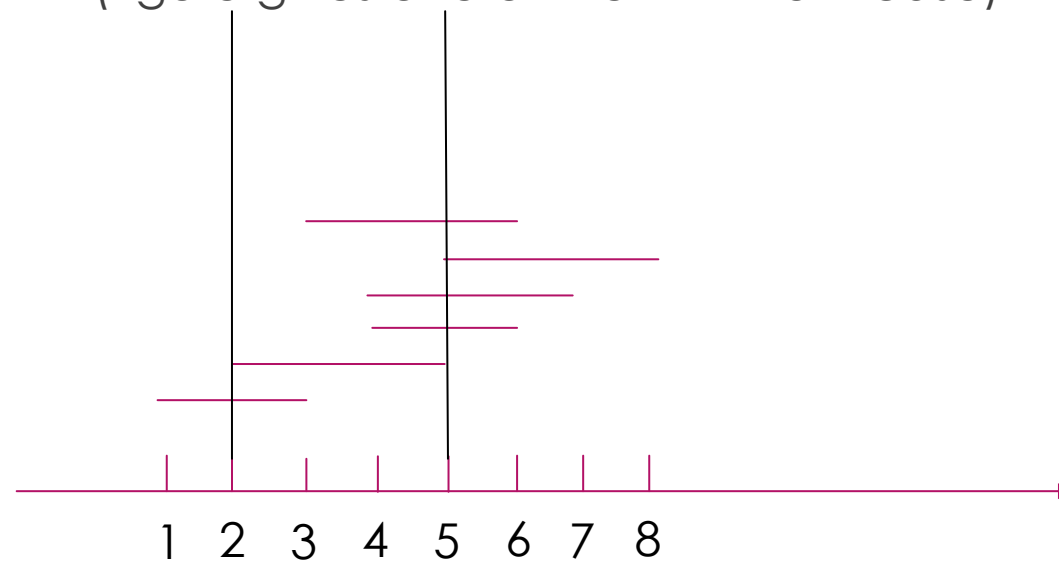
Sample

Input

6

1 3

2 5

4 6

4 7

5 8

3 6

Output:

2 (figure gives one of the minimum case)

Please implement the question.

The practice will be checked in this lab class or the next lab class(before **Apr.6**) by teachers or SAs.

This practice will contribute **1 mark** to your overall grade. Late submissions within 2 weeks after the deadline (before Apr.13)will incur a 20% penalty, meaning that you can only get 80% of the score.