Lab 6 – Practice Greedy Algorithms (part 2)

CS208 Algorithm Design and Analysis

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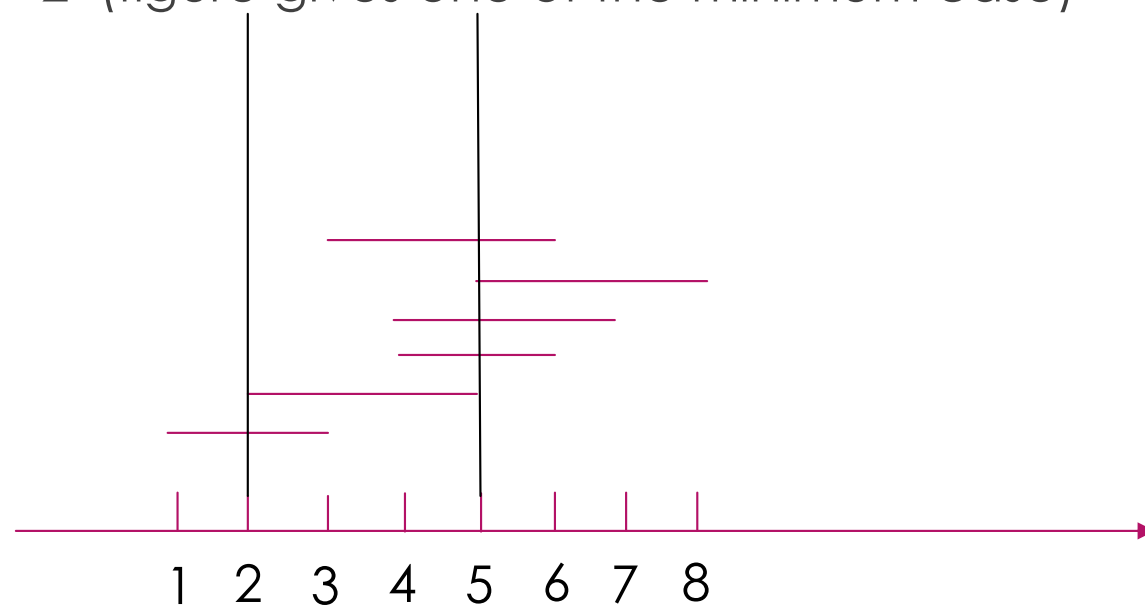Slides adapted from Yao Zhao zhaoy6@sustech.edu.cn

Question:

- Given n intervals $[l_i, r_i]$ in axis, find the minimum points in axis that each interval contains at least one point.

Input

6

1 3

2 5

4 6

4 7

5 8

3 6

Output:

2 (figure gives one of the minimum case)

Grading

- Evaluated within a week.
- Total point: 1