Greedy

Consider a set of requests for a room. Only one person can reserve the room at a time, and you want to allow the maximum number of requests.

The requests for periods (s_i, f_i) are:

$$(1,4),(3,5),(0,6),(5,7),(3,8),(5,9),(6,10),(8,11),(8,12),(2,13),(12,14)$$

Which ones should we schedule?

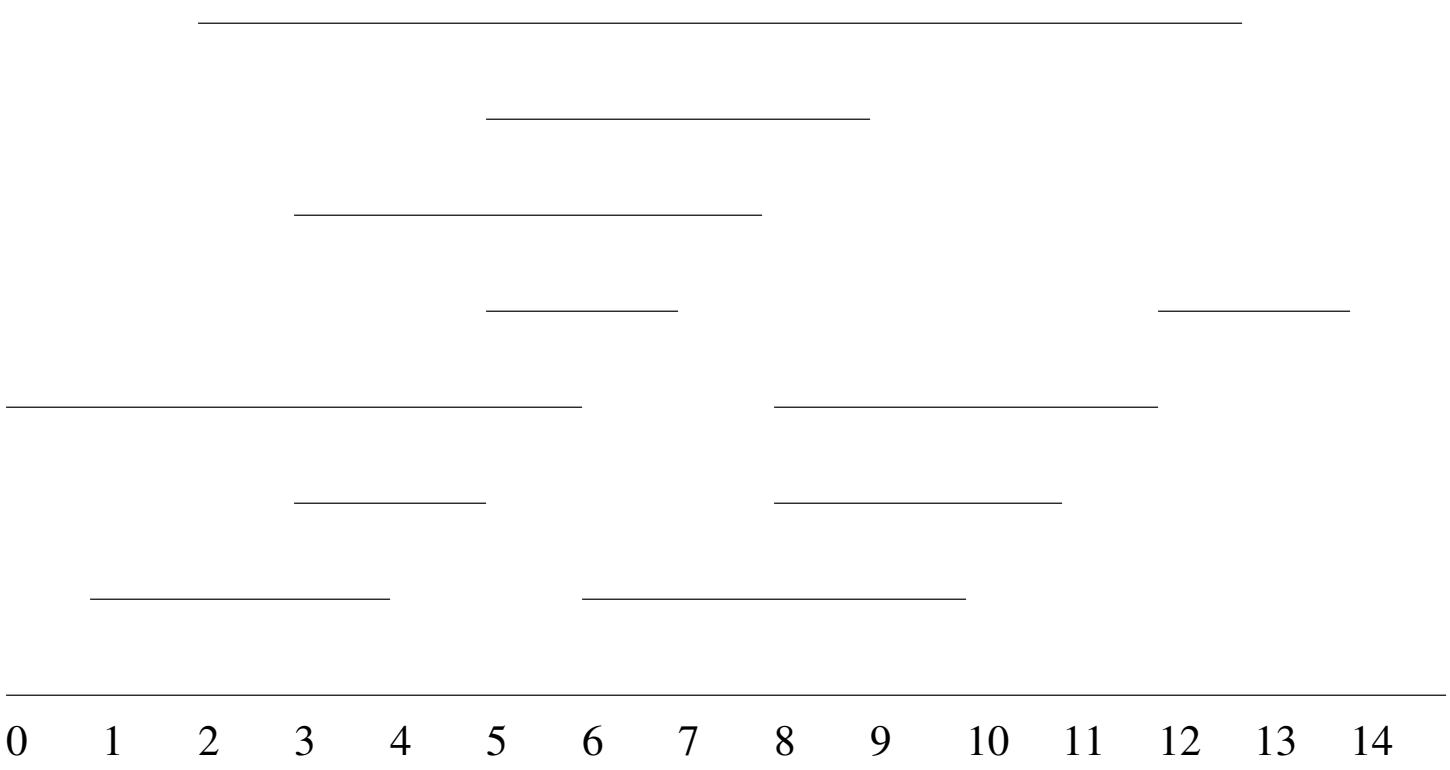
Greedy

Consider a set of requests for a room. Only one person can reserve the room at a time, and you want to allow the maximum number of requests.

The requests for periods (s_i, f_i) are:

$$(1,4),(3,5),(0,6),(5,7),(3,8),(5,9),(6,10),(8,11),(8,12),(2,13),(12,14)$$

Which ones should we schedule?



Code

```
1  Sort by finishing time, renumber with 1 having earliest finishing time
2  Output 1
3  last = f_1
4  for i = 2 to n
5        do if (s_i ≤ last)
6              then Output i
7                   last = f_i
```