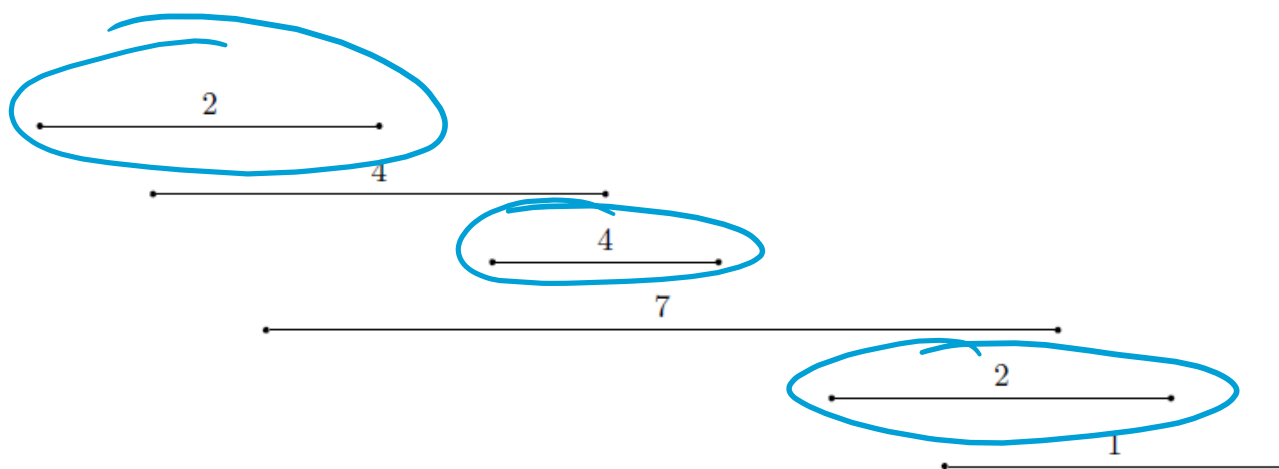


interval selected are the ones circled



2.

for  $i = 1 \dots n$  do

    // we can do binary search here since it is sorted by finish time

    binary search for  $j$  in interval  $[1 \dots (i - 1)]$  with latest finish time  $f_j$  such that  $f_j \leq s_i$

    if such  $j$  is found then

$p[i] = j$

    else

$p[i] = 0$

By doing binary search for  $j$ , the overall time complexity of this algorithm is  $O(n \log n)$