

## 759 Employee Free Time

$[(1,2), (5,6)], (1,2), (4,10)]$



convert this into an array.

$[(1,2), (5,6), (1,3), (4,10)]$

Sort array: Key =  $\text{start time}$

If someone is working then that period cannot be free time hence, there is no need to keep track

$[(1,2), (1,3), (4,10), (5,6)]$  who is working

if  $\text{arr}(x)[0] > \text{last}$ :

# there is a gap

# hence this is a free time

else:

# no free time

arr =  
[(1,2) (1,3) (4,10) (5,6)]

last = 1

for x in range(len(arr))

if arr[x][0] > last

ans.append((last, arr[x][0]))

last = max(last, arr[x][1])

x=0 (1,2) last = 2 ans = [ ]

x=1 (1,3) 1 > 2 ✗ last = 3  
ans = [ ]

x=2 (4,10) 4 > 3 ✓  
ans = [(3,4)]  
last = 10

ans

5 > 10 x

ans = [2, 4]

return ans

