
izj. If the start time of jth job is more than or equal to the end time of ith job than the jobs ith and jth job can be excuted consecutively.

Steps involved in the algorithm:

- Soof the list of job such that jobs with earlier starting later
- 2) tradverse the list of jobs from the starting end such that the start time of the squart job should be more than or equal to the end time of the last job in the required sequence.

2) Once the loop is executed display the

pseudo code for the algorithm

job_list = [..., [starti, end.i],...]

sort (job_list)
1+ sorting in the order as mentioned in step 1 +1
11st=[]

**************************************	******
t=0 1=0	
for tit 2 job-list. size() do	
If job-14(t1(0)7=11st[17[]	7
list approad (Ls tarot & t, end	
end for	
for in list	
point (j)	
end for	
Donat of the resolvent	
k TOTO OF TIME COMPLETANT	7
* The step no. 2 and	step no.3 In the
algo withm requires at most	no of iteration
here n is the no. of	elements in the
+ ine moderate of the	D bo 12 83 = 0(0)
k This carps are	
step no. 1 regulores n	log(n) time to sost
the list.	
k herr	
************** *********************	
$\frac{1}{1} \cdot T(n) = O(n \log n)$	
he hence the overall time	complexity of the
* - 014/0.81711W P O(1)10041)	
* ******	**************************************

Conclusion: The Greedy approach for the job scheduling algorithm is studied and the time to complexity proof is also studied