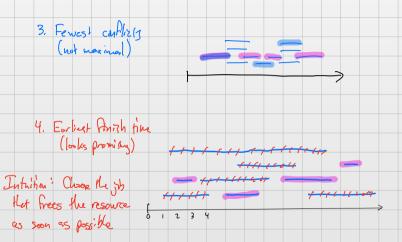


Internal Scheduling Greedy Algorithmus

1. Earliest start time (FCFS)
(not maximal)

2. Stortest job (mt makinal)



EFT Greedy Algorithm FT. ola O(nlogn) Sort all the jobs by Finish time. (J., ..., J.)

(B > Stort w/ J.,

loop Then for Jz, if (sz < f.), then discard. (J; = (sj, fi))

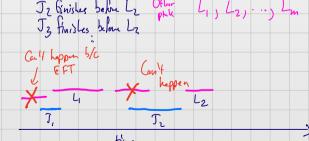
Ch) Repeat until we don't discard some J; replace J. w/ J;

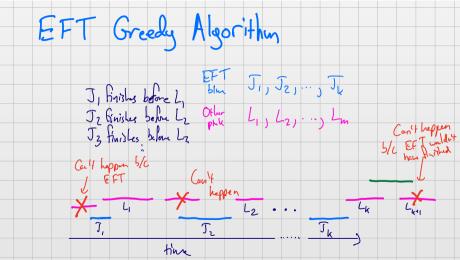
and start over at X. Runniay time is O(ulogn)

EFT Greedy Algorithm

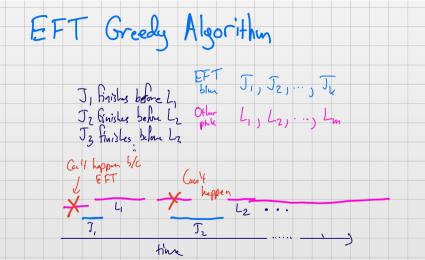
Is the output compatible (no overlapping jobs)? Is it maxima 1? Carl hopen 5/c Ji, Je, ... , Ju J, Finishs before L, L, , L, ... , Lm

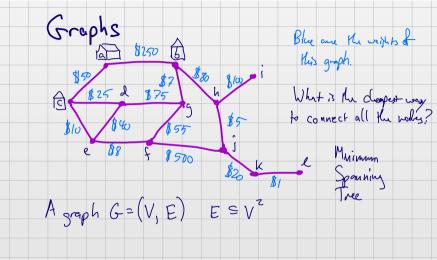
EFT Greedy Algorithm J_1, J_2, \dots, J_k J, Finishes before L, Jz Ginisher Selve Lz Other Jz finistes blom Lz Call happen 5/c

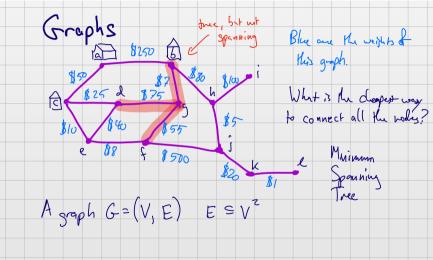


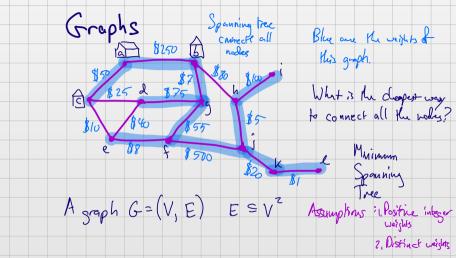


EFT Greedy Algorithm $\mathcal{J}_1, \mathcal{J}_2, \dots, \mathcal{J}_k$ J, Finishes before L, Jz Ginishes Selone Lz Other Jz Finishes Selone Lz L1, L2, . .., Lm There are not were jobs in other set then EFT.









Minimum Spanning Tree (MST) A tree is a connected graph w/o cycles.
Acycle is a path that segm and ends at the same node Not a tree