

Activity Selection

List of actively [(S., C.) (S. (2) -----]
find the max no. of non overlapping activity in 1 2 3 4 5 6 2 8 9 10 11 Si 1 3 6 5 3 5 6 8 8 2 12 ei 4 5 6 7 9 9 10 11 12 14 16

grudy chois We chose re actuites, among those et, are actuals Co ai choson firet

nutually (ompatible activité in Sie whu Se is any non empty Subproblem. let aj be the activity in An wille conclust ensel time Let am be the actualy un Sx well earliet finishe time.

9 a = am 1s) -> [o] Soy $A_{k}' = A_{k} - \{a_{j}\} \cup \{a_{m}\}$ The actualis in Ax are disjoint and 9, was the first actually to fearly in Az and I'm = fo (AK1) == (AIC)

it conclude that A_{x}^{1} is a 6th max size.

Subset of non overlappy mutually compalible actually of $\sum_{x} \sum_{y} a_{y} + a_{y} +$



