

CLRS 15.3-4

Peter Danenberg

September 12, 2008

Every station in the factory corresponds to one or more nodes $\{x_0, \dots, x_n\}$ in a full binary decision tree T ; where there are 2^{d-1} ways to reach every station, and d corresponds to the height of x_i in T .

See figure 1 for a representation of repeating subproblems.

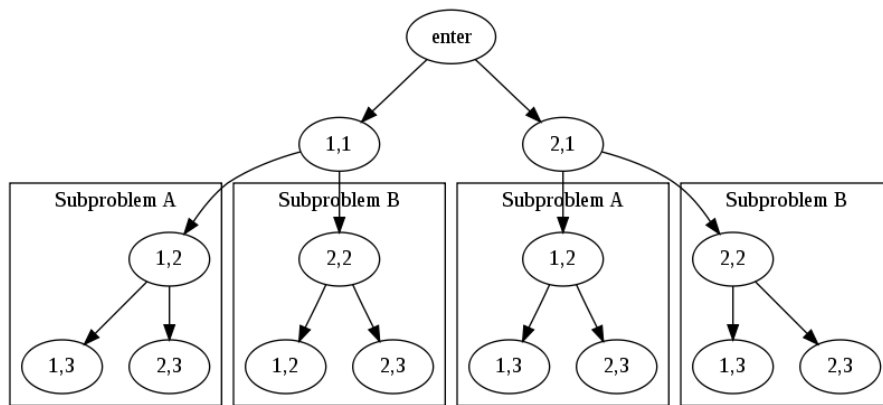


Figure 1: Assembly line scheduling with overlapping subproblems A and B