Doc

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Intuitively, we'd like to schedule jobs like this:



Suppose 1.2,3 are the "earlies" 3 jobs (an be scheduled.

The max profit at end time of job 1 is

prefit(1); ... of job 2 is profit (2); ... of job

3 is prefit(3) + max(prefit(1), prefit(2))

Let's sort the jobs in their ending time.

Let MP(i) be the max profit at the end time of job i. Note job i is not necessarily scheduled for the proper MP(i).

so MP(0) = profit(0)

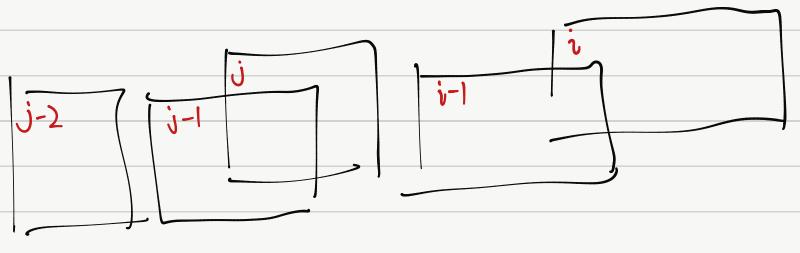
MP(1) = MP(0) + profit(1),if job 0 and 1 do not
conflict;

profit (1), otherwise.

MP(i) = profit(i) + MP(j)

where j is the maxin [0,i)
such that Job i and j do not

conflict.



For example, as this picture shows,

MP(i) = MP(j) + Profit(i)

Why not MP(j-1) + profit(i)?

Q: MP(j) = MP(j-1) + Max(projet(j), projet(j-1))

So no need to consider MP(j-1)

Our	result	15	the	Max	among	MP(0),	MP(1), (n-1).	
					J	· MP	(n-1).	