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Q5.

1.Store ,,I of all the jobs in the form of (,,i) into an array of A of size n.

2.Sort array A into increasing order of (profit) using n\*log(n) sorting method.

3.Allocate an array output of size {max from A}, and init all the elements from output array to be

-1.

4.Having n iterations where n is the total number of jobs(counter will be used to indicate current number of iteration).

4.1 For job A[counter], try to find an empty time slot from A[counter].(index){deadline} to 0(index){starting time} in array output, if there is an empty slot then assign the I of the job to the empty slot(the empty slot are slots with value -1 in the output array )

5.return array of output.

Time complexity: n\*log(n){sort the array} + 2\*n{allocate the output array} + n^2{main algo}

--------> O(n^2) overall.