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# CSE 321 HW5

## Part 1

In this part i simply sorted job array according to their Time / Weight ratio like earliest deadline algorithm but with weight being opposite. To sort array i used merge sort which has time complexity of **O(nLogN)**

## Part 2

a) In this section i used given algorithm with high moving cost to Show that the algorithm doesnt care the moving cost while changing locations.
b) In this section i created two lists assuming on efor starting point NY an done for assuming starting point SF. After that i filled these lists with minimum value of cost with considering moving cost and past costs. In the end of the lists minimum value will be the total minimum cost for n months
   Time Complexity of this algorith is **O(n)**