Please refer to the problem described in the following link

<http://www.geeksforgeeks.org/dynamic-programming-set-34-assembly-line-scheduling/>

* Prepare a presentation and a short document to illustrate it
* Implement it in Matlab
* Verify its performance with respect to a brute force approach
* Extend it to a different configuration at your choice
* Extend the algorithm to print the path covered by the car chassis in the factory.