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 BSCS – 4C**

**Documentation:**

In this lab we tried to implement the assembly line scheduling problem. Main concepts of the lab were:

* There can more than 2 assembly lines.
* Each assembly line has its own entering cost.
* When package/chassis travels through one assembly line then cost of transaction from one node to another is zero while the cost at each node is noted.
* In this scheduling problem we want to achieve the goal state in minimum cost so chassis can travel from one node to the next nodes of other assembly lines.

There are many ways to implement this but its fastest way algorithm is achieved though iterative method.

**GitHub Repository:**  https://github.com/amna5297/Lab6

**Unit Tests:**

* Two test cases
* Each function individually tested
* After taking input of size 1000, following is the result: (optimal path)
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