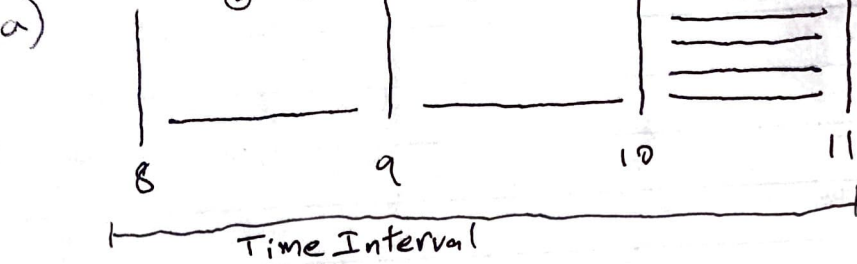
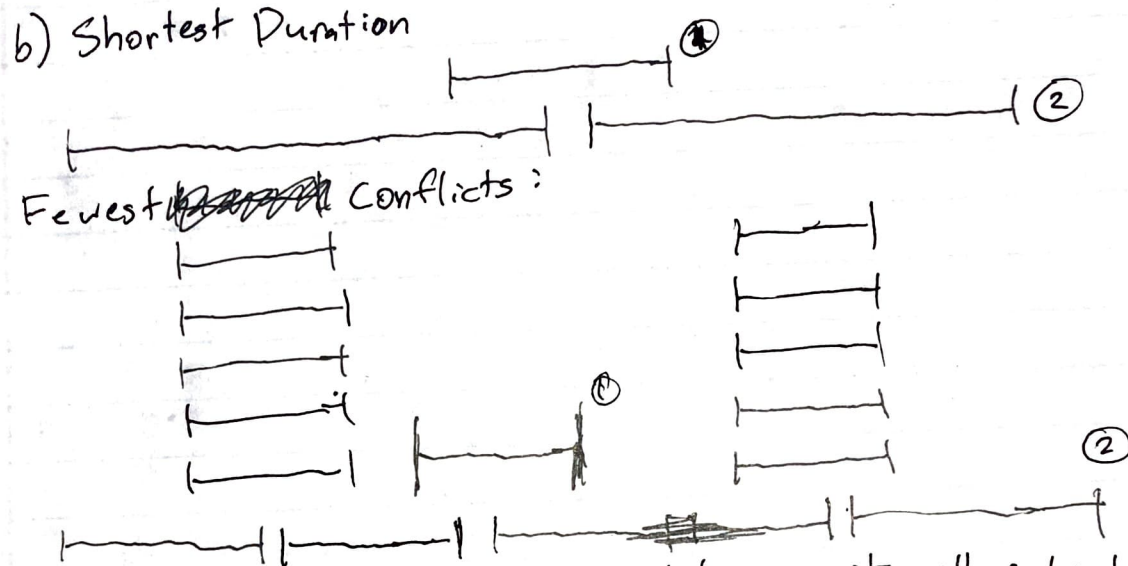


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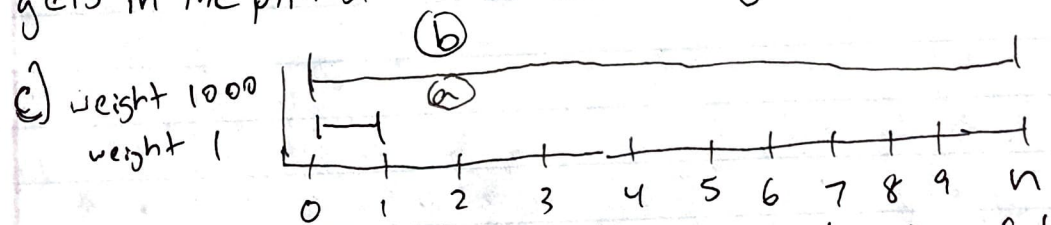


You can make 5 different solutions by adding a+b and choosing a new c.



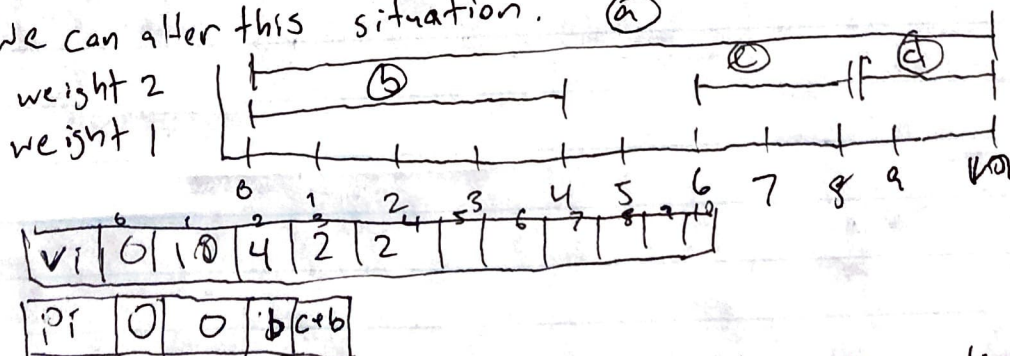
Shortest Duration is not optimal because it will select figure 1 which then blocks the whole schedule for the figure 2 classes

Fewest Conflicts is not optimal because it will select figure 1 which gets in the path of the schedule in figure 2.



With Unweighted schedule this greedy algorithm fails.

We can alter this situation.



This algorithm would choose b+c+d as the optimal solution but the total maximal value of any compatible solution would be 20 (larger than predicted)