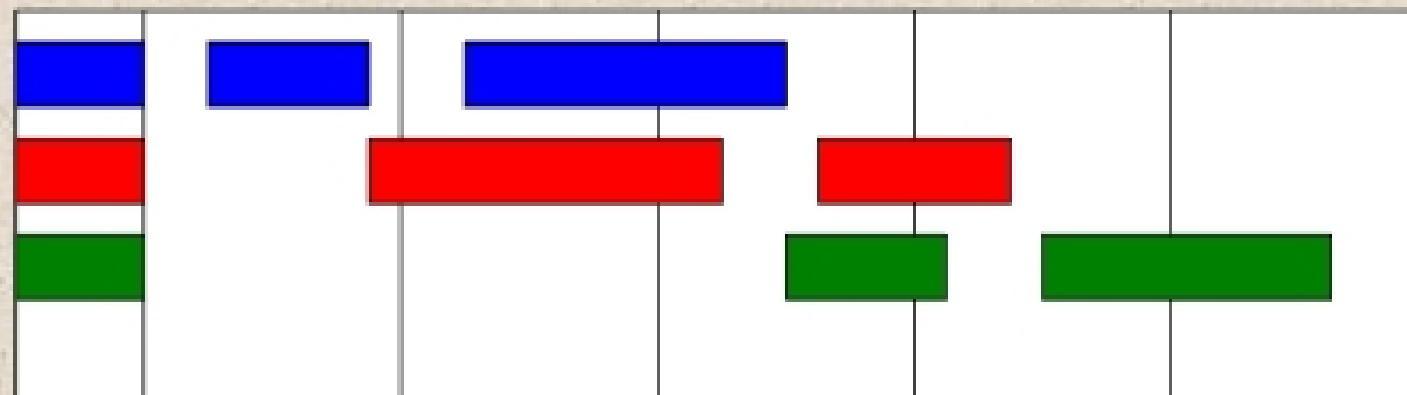


Finite Capacity Scheduling

6.834J, 16.412J



Overview of Presentation

- What is Finite Capacity Scheduling?
- Types of Scheduling Problems
- Background and History of Work
- Representation of Schedules
- Representation of Scheduling Problems
- Solution Algorithms
- Summary

Solution Algorithms

- Dispatch Algorithms
- MILP
 - Relation to A^* , constructive constraint-based
- Constructive Constraint-Based
- Iterative Repair
 - Simulated Annealing
 - How A^* heuristics can be used here (relaxation of deadline constraints)
- Genetic Algorithms