

Branch and Bound presentation

MINIMIZE THE MAXIMUM STRETCH OF JOB SCHEDULE

Design strategies to solve that problem with a branch and bound without relying on ILP formulation. The components are:

- 1) what is the problem and why is in important?
- 2) How are subsets represented and how are partitioning of the solution sapce accomplished?
- 3) How are the branching decisions made? In which order are the partitions made?
- 4) How is bounding going to work? Which relaxations can be done? How would the relaxed problems be solved optimally?
- 5) What order of the traversal seem to make sense for this problem and branching and bounding strategy?
- 6) Are there symmetries or dominance properties that can be taken advantage of?
- 7) How would deriving a solution from a particular subset be accomplished?