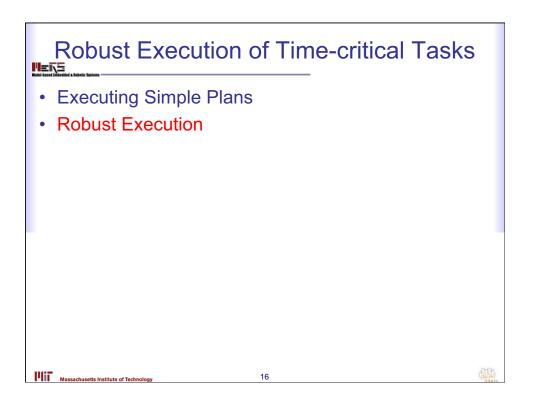
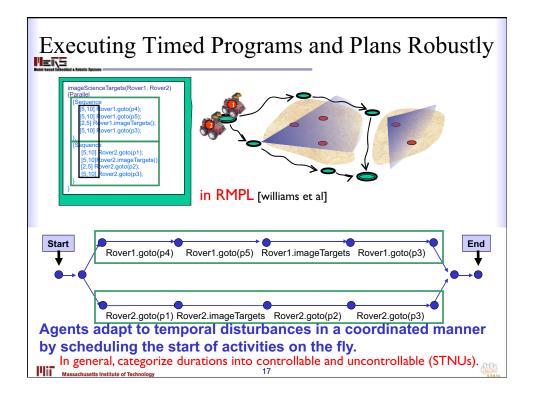


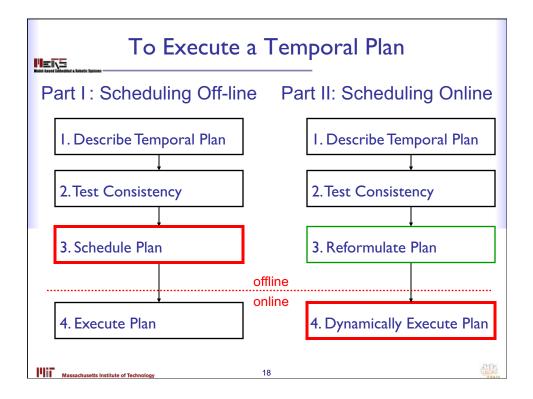
Plan Execution w Execution Monitoring (cont)

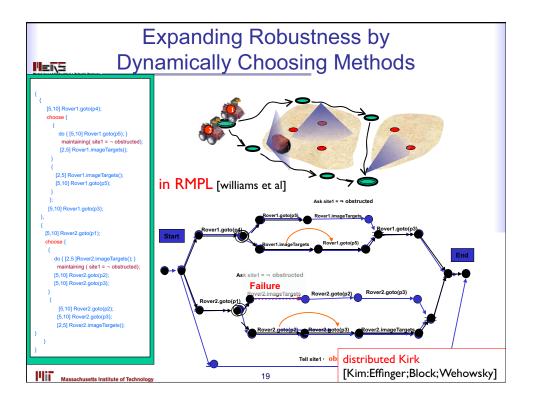
Loop

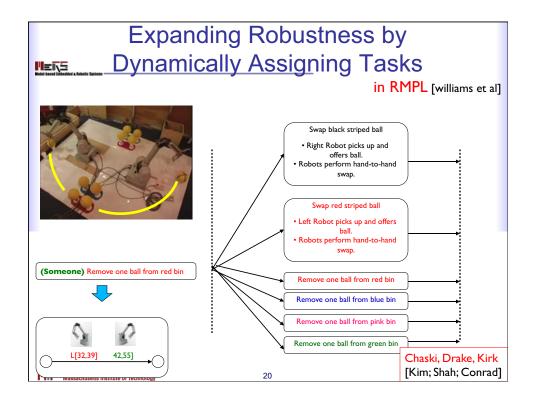
- ... (continued from previous slide)
- Mark a as "executed."
- For each action c such that linked(c,a,p).
 dequeue <c,a,p> from ActiveLinks.
- For each action d such that linked(a,d,p).
 - queue <a,d,p> on ActiveLinks.
- For each action **b** such that **a** < **b** or linked(**a**,**b**,**p**).
 - If every action c has been executed, such that c < b or linked(c,b,p')
 - Then queue **b** on Ready.

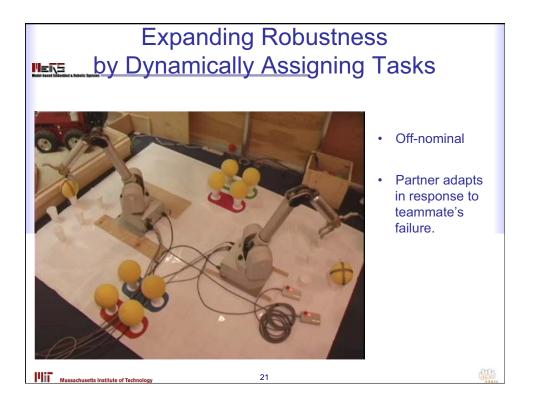


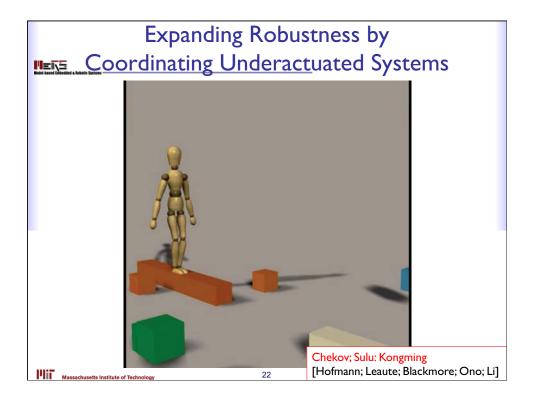


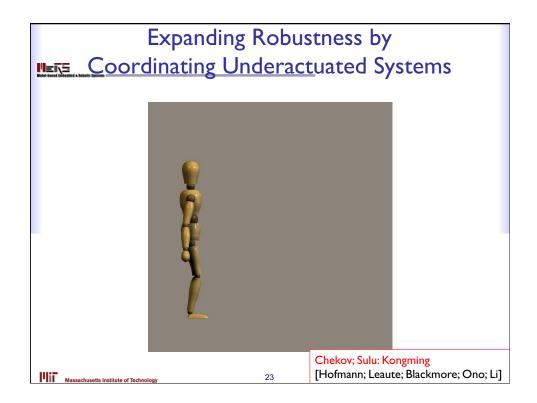


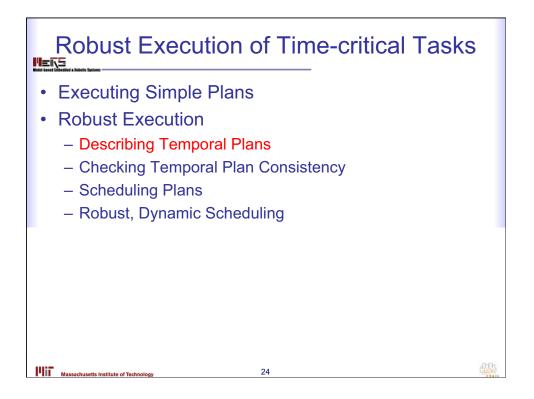


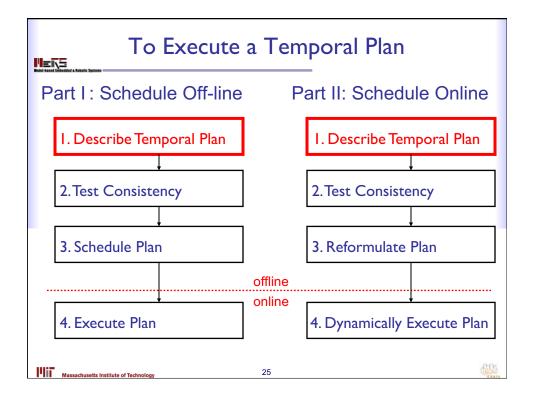


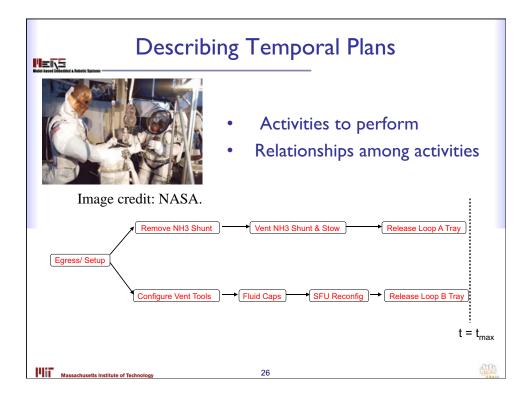


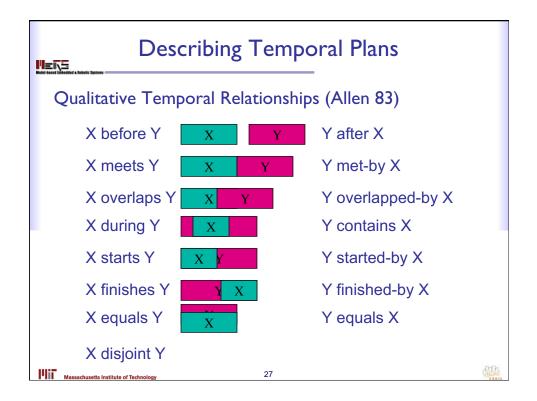


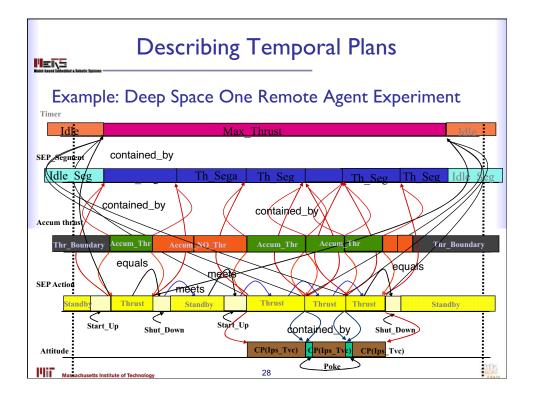


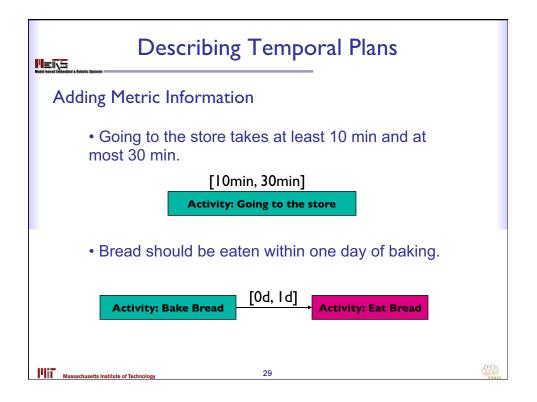


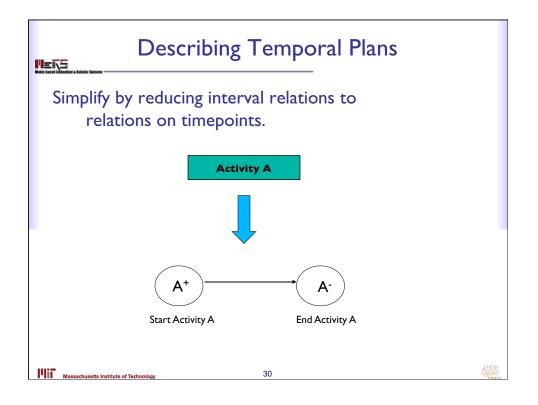


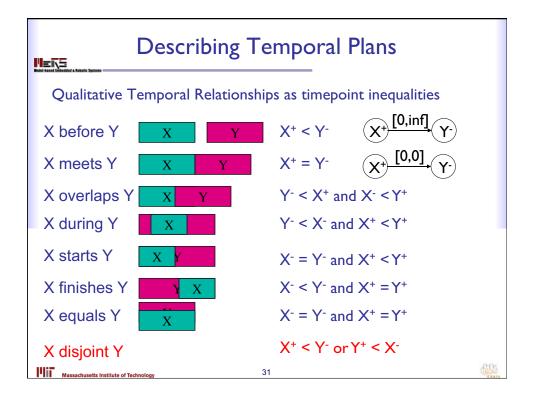


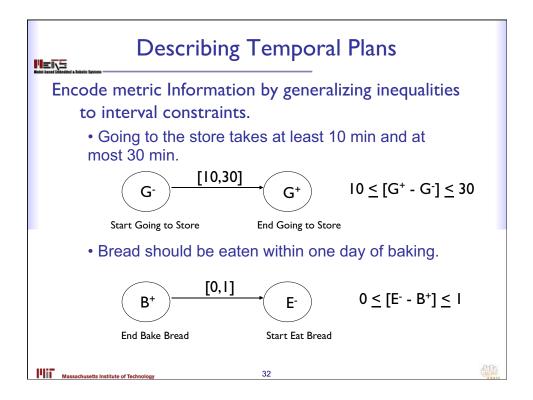


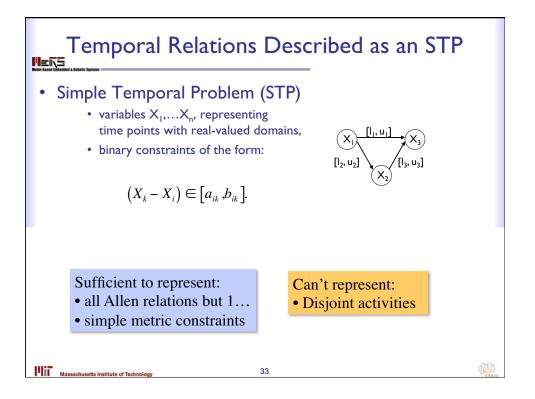


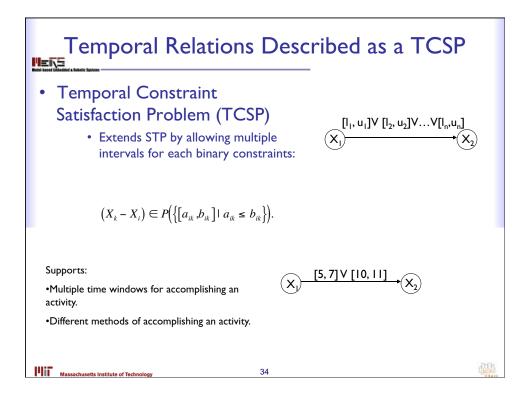


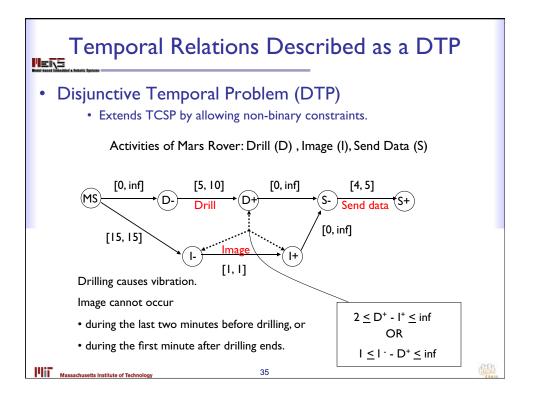


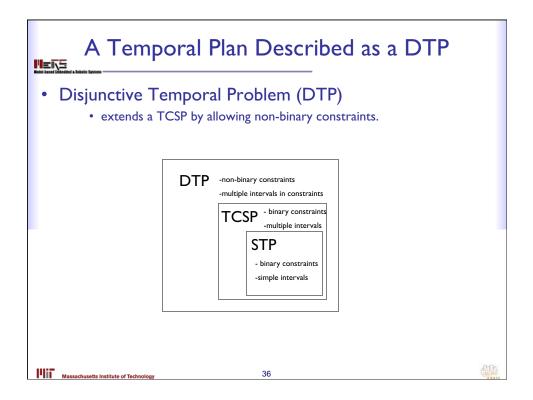


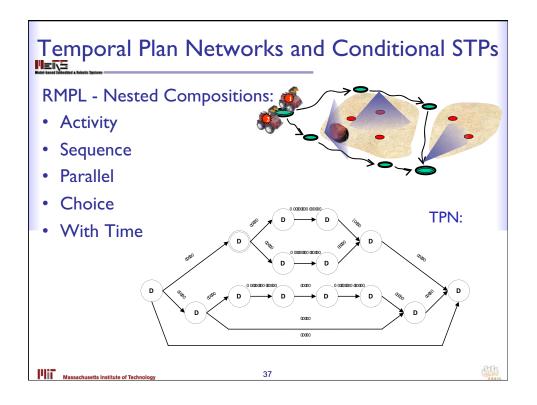


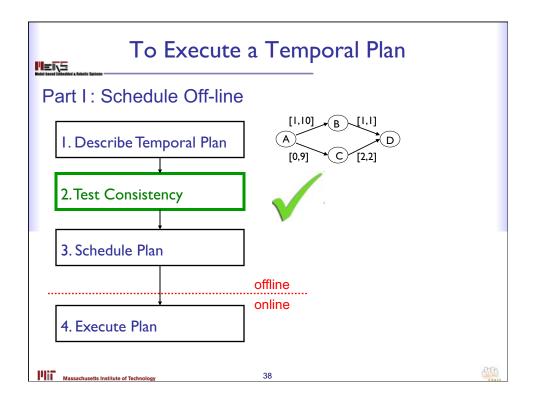


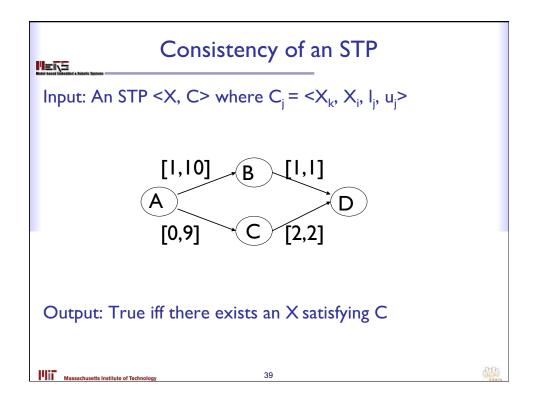


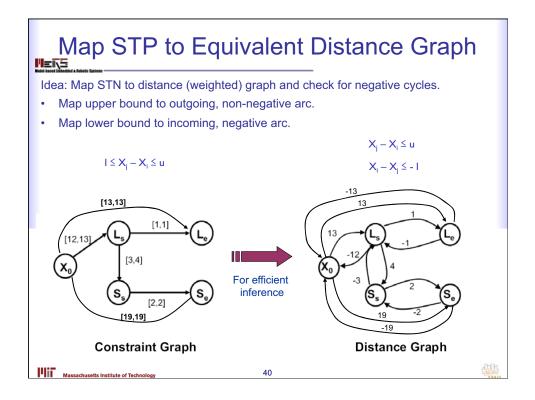


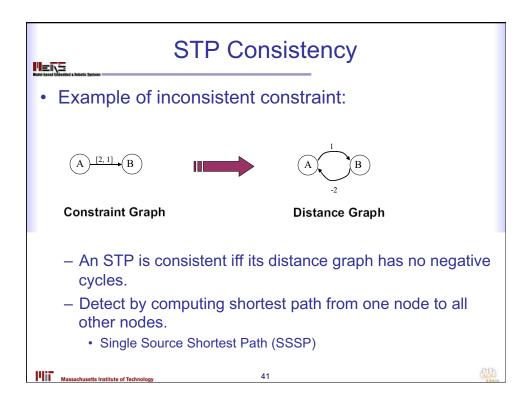


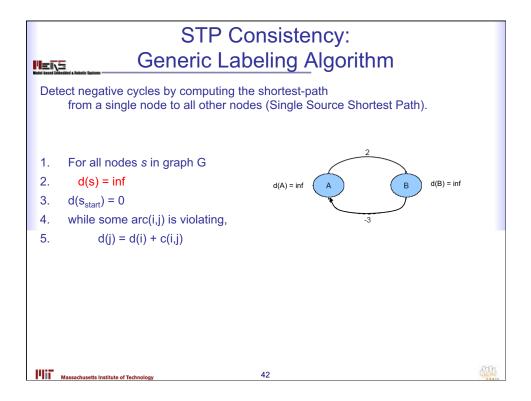


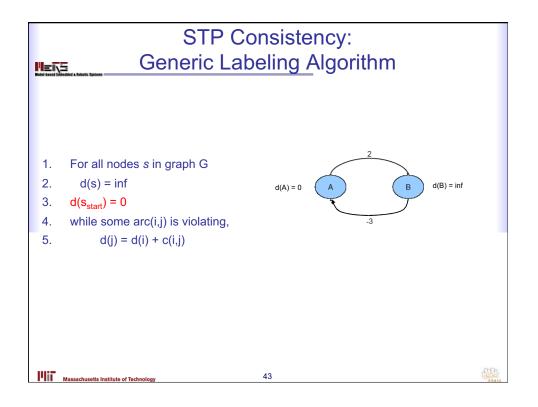


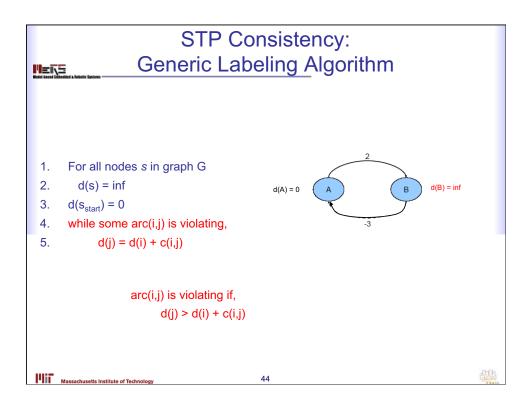


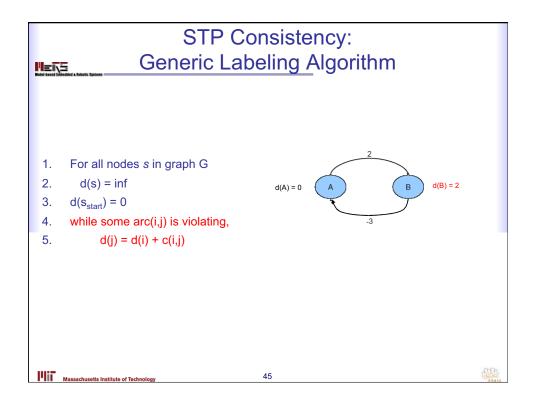


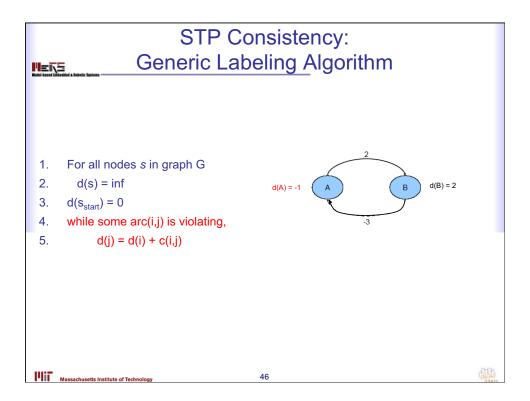


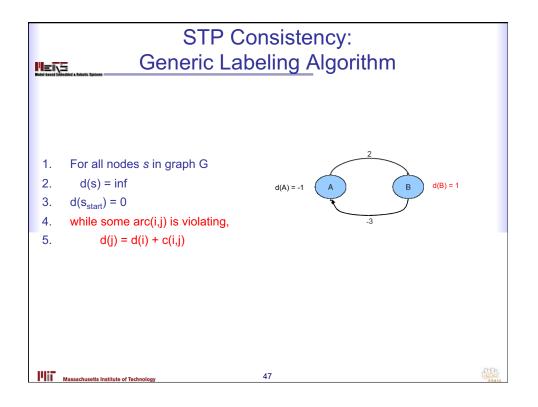


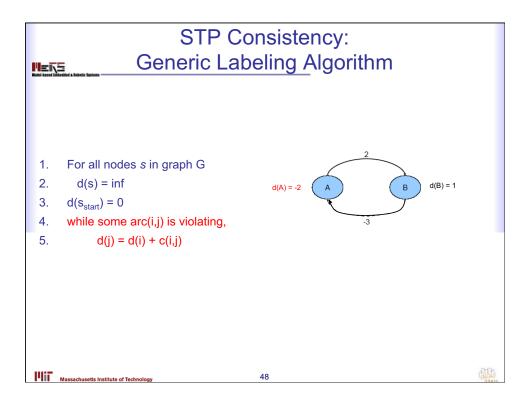


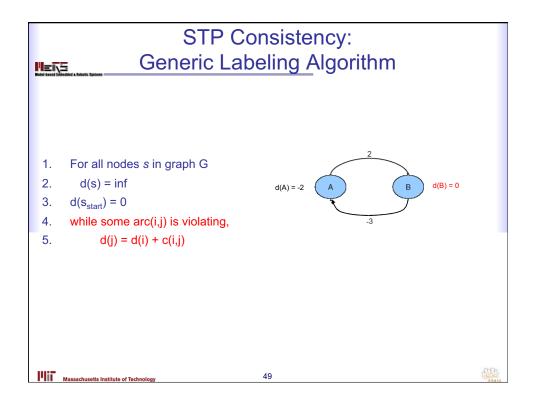


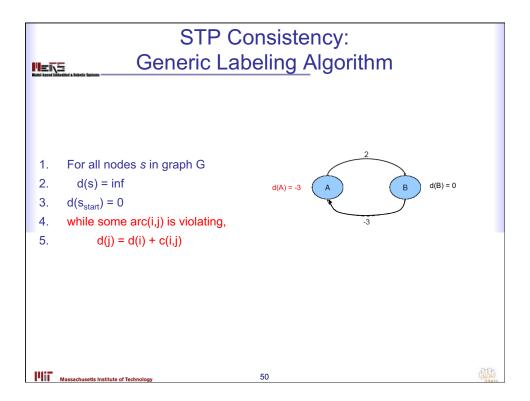


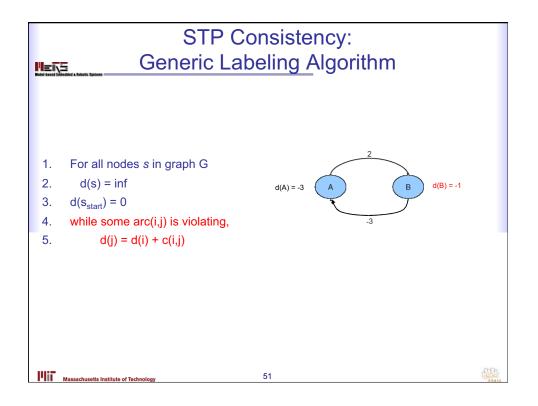


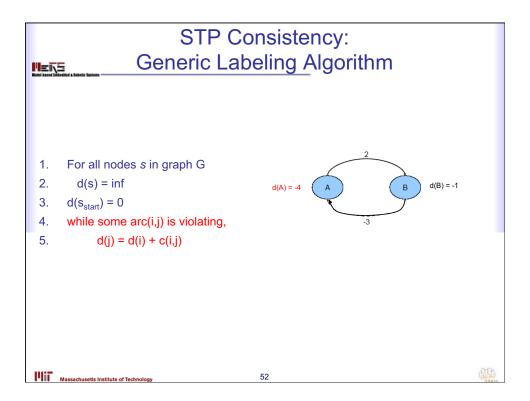


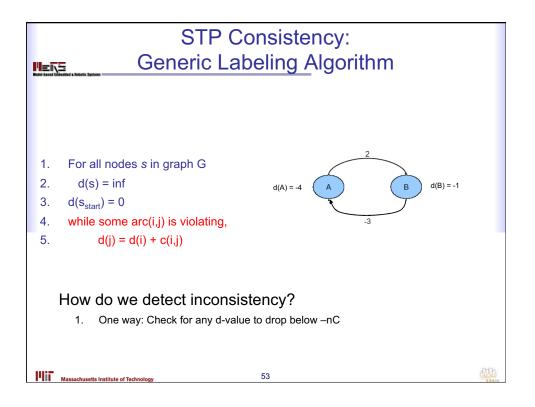


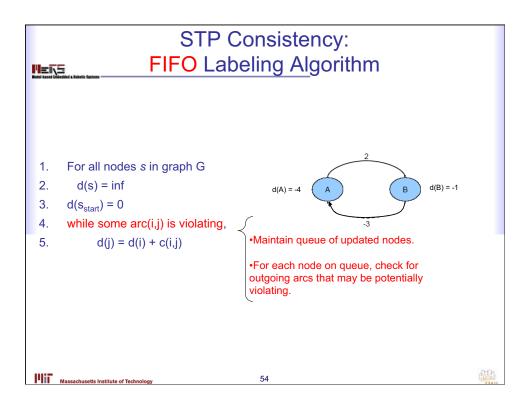


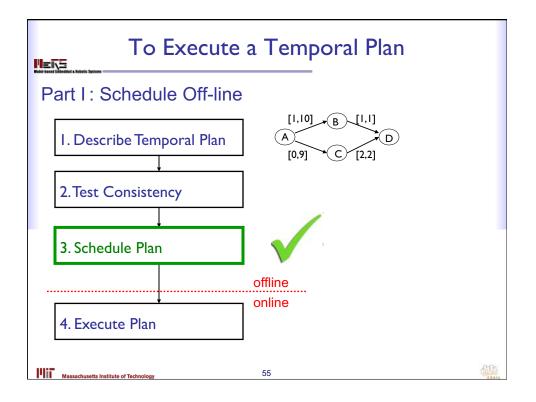


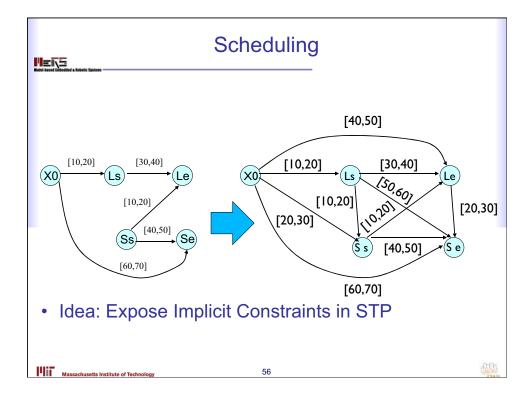


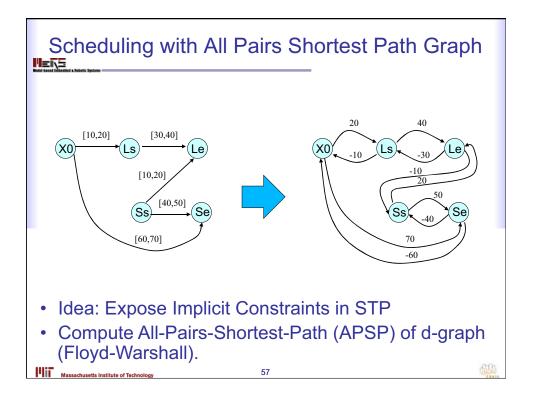




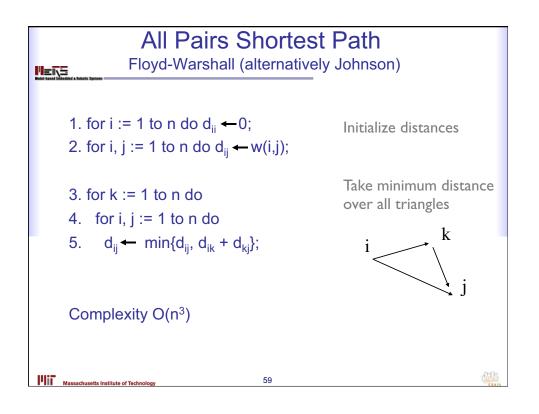


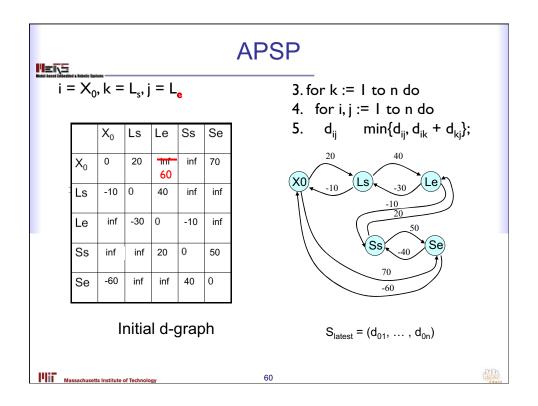


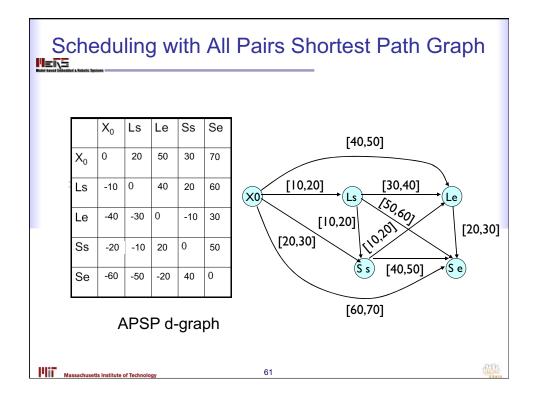


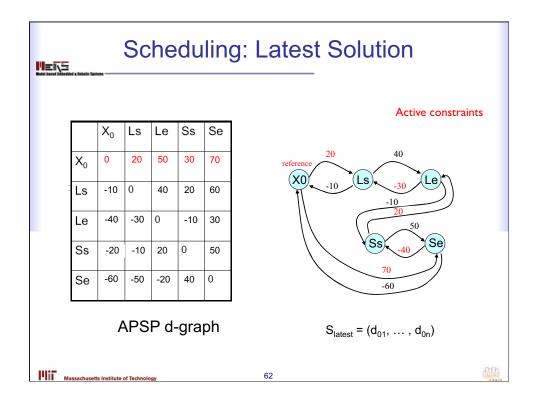


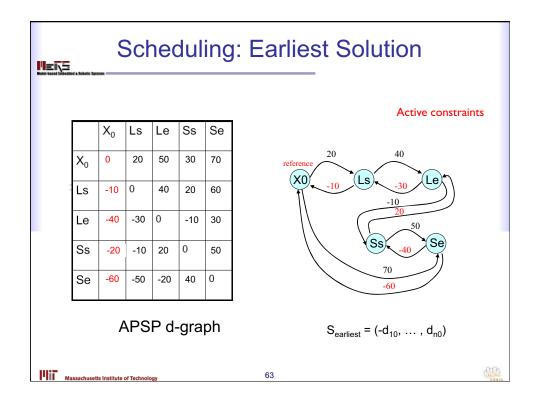
Distance Graph G_d implies Constraints • Path constraint: $i_0 = i, i_1 = ..., i_k = j$ $X_j - X_i \le \sum_{j=1}^k u_{i_{j-1}, i_j}$ • Conjoined path constraints result in the shortest path as bound: $X_j - X_i \le d_{ij}$ where d_{ij} is the shortest path from i to j

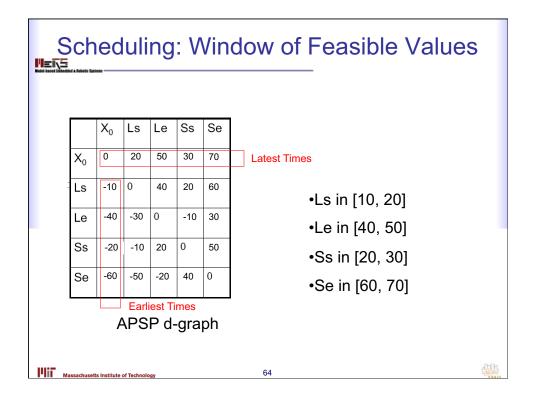


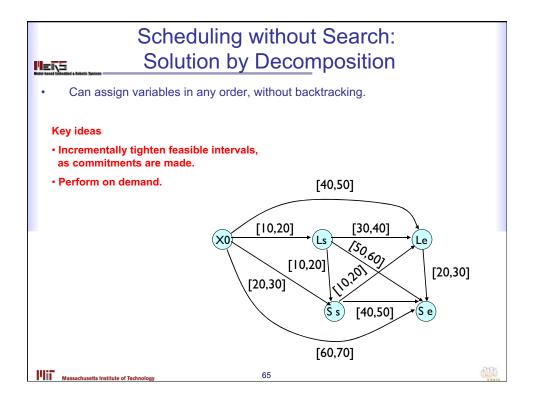


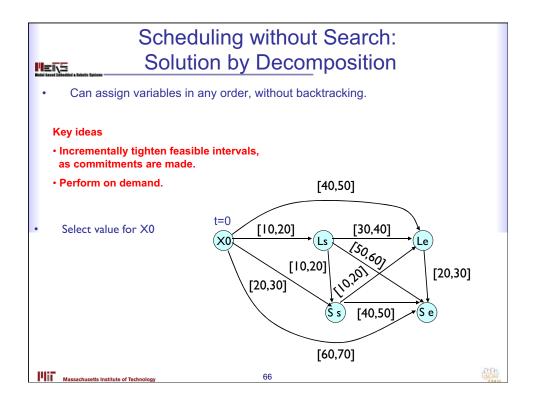


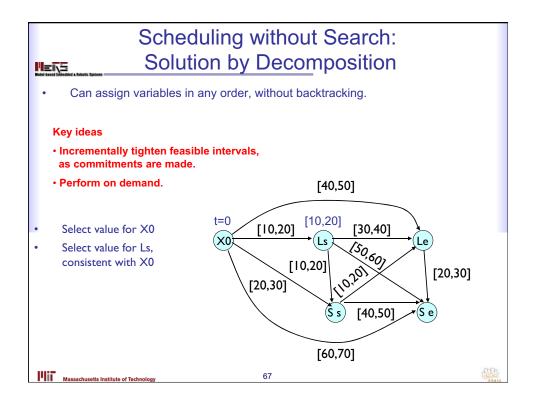


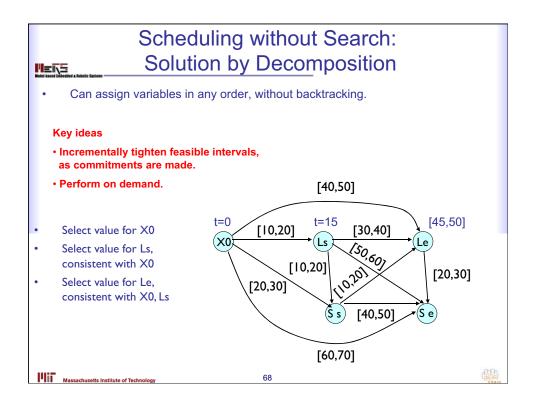


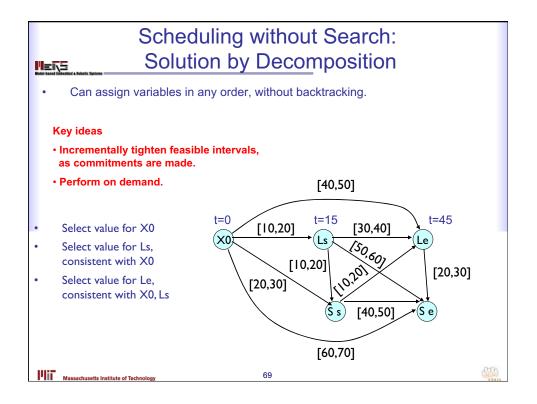


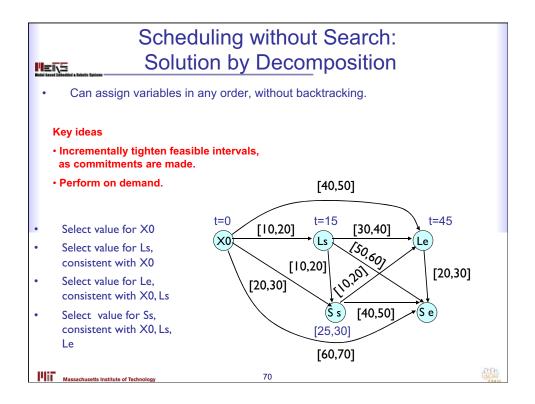


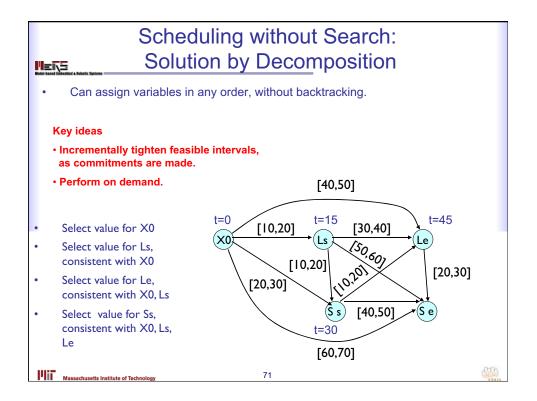


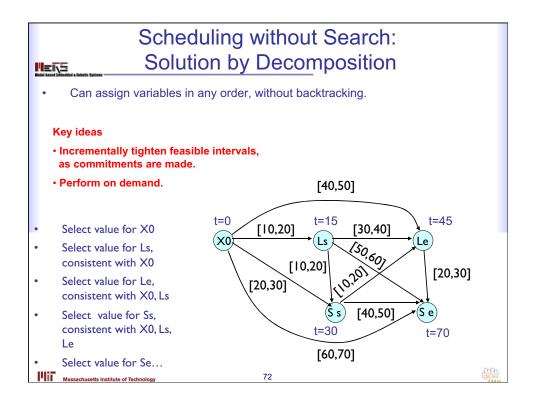


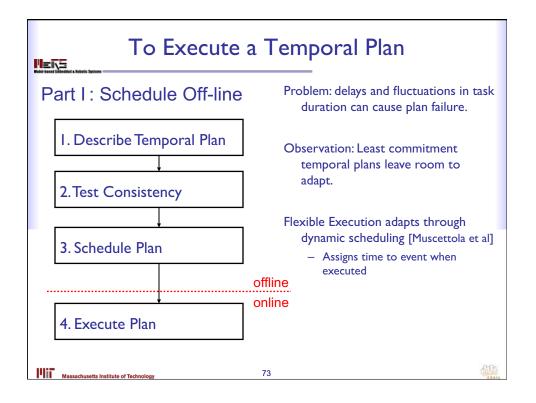


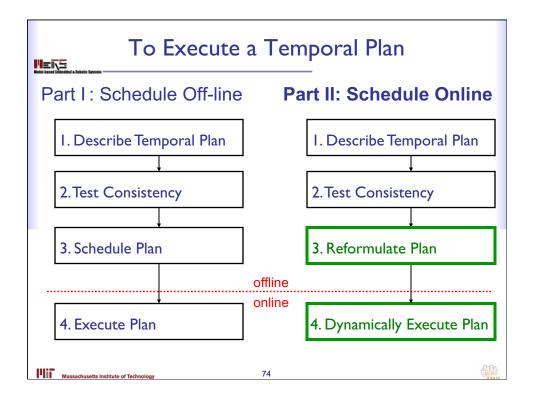


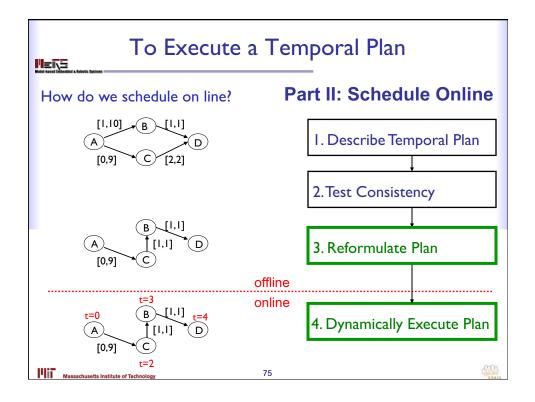


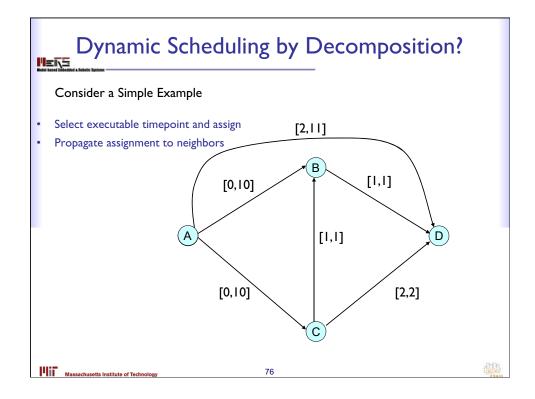


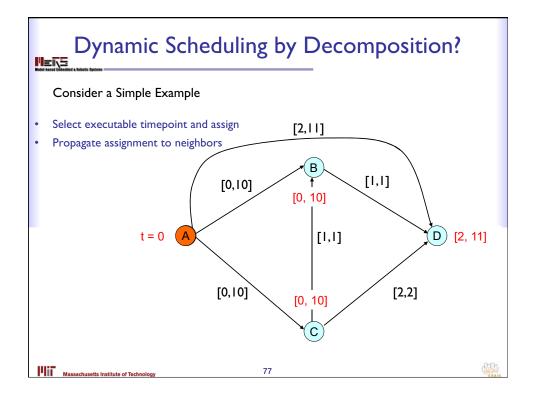


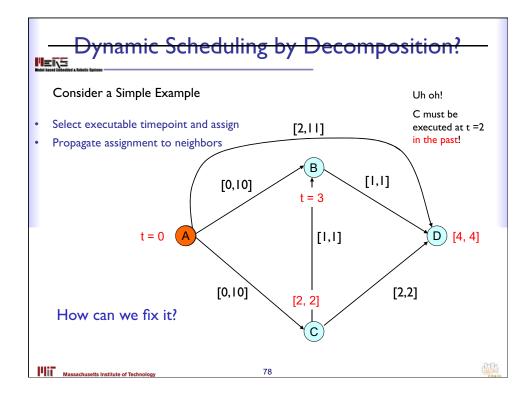


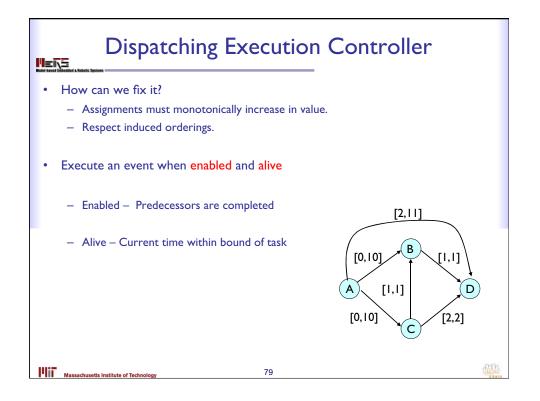


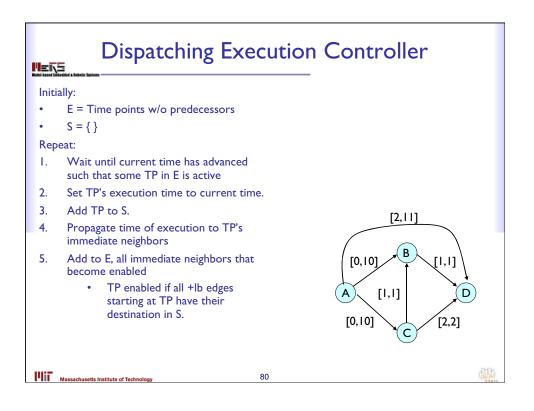


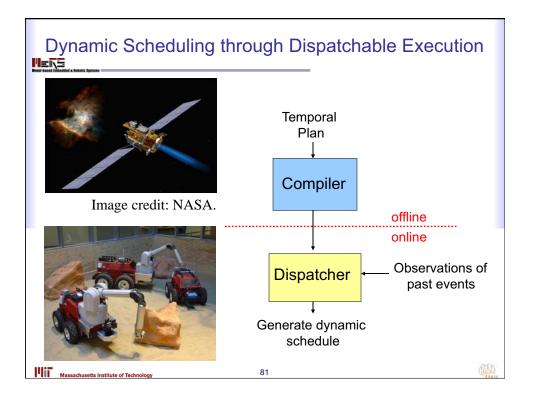












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