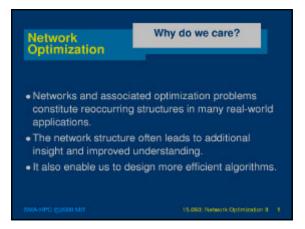
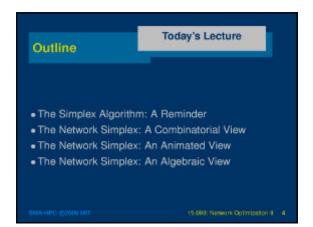
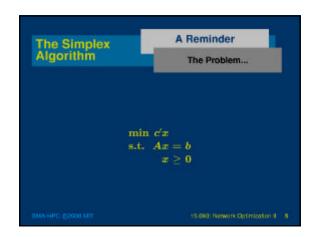
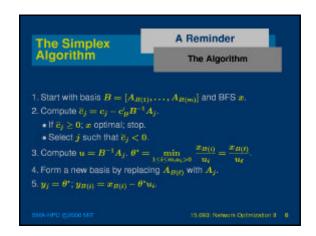
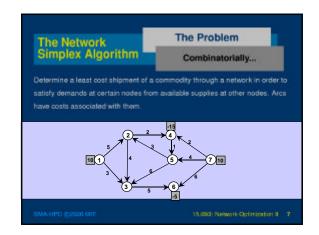
15.093 Optimization Methods Lecture 10: Network Optimization The Network Simplex Algorithm

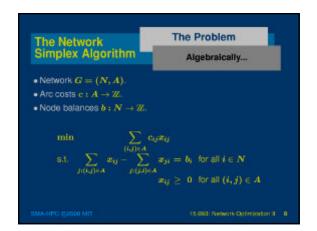


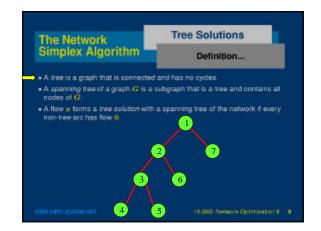


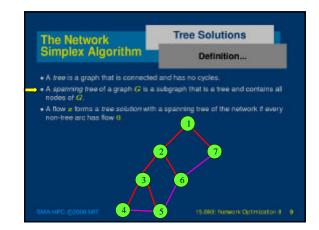


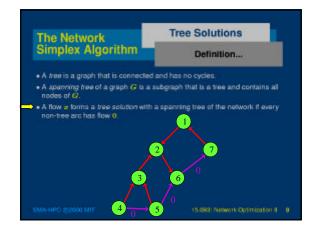


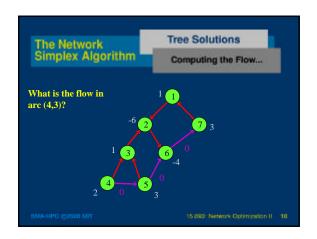


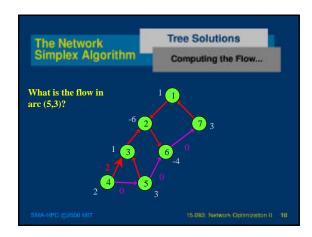


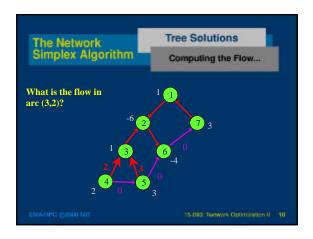


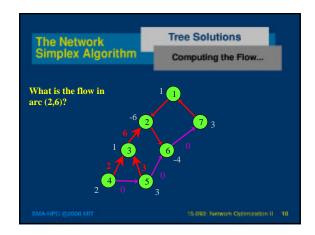


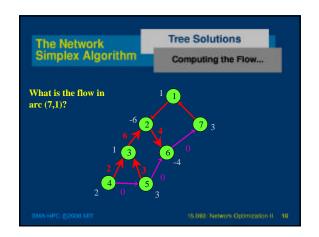


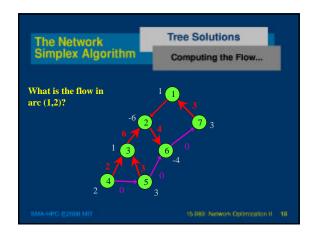


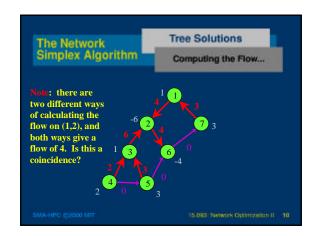




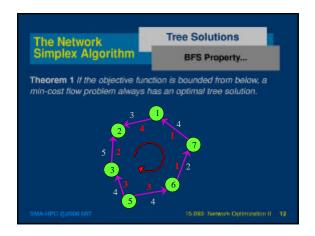


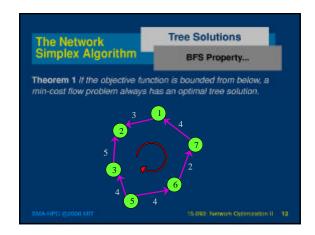


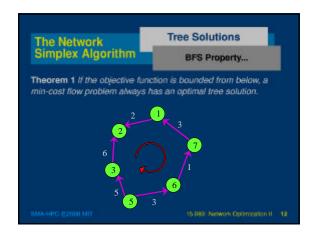


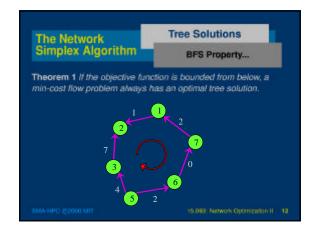


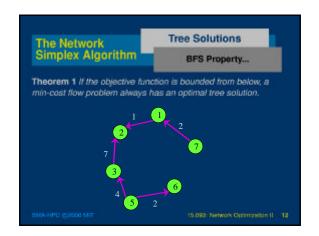


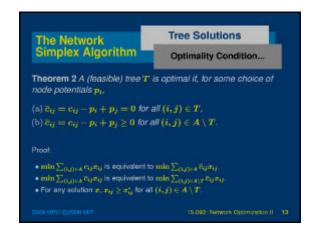


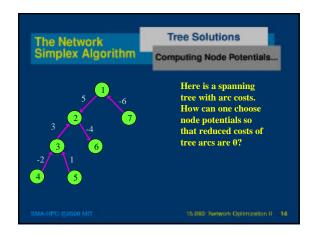


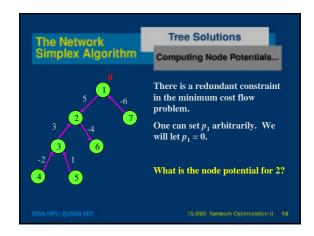


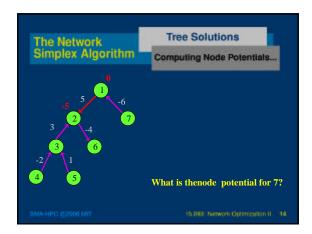


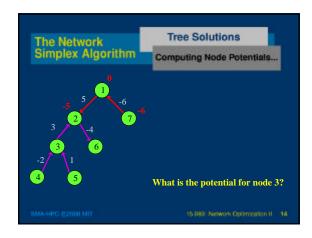


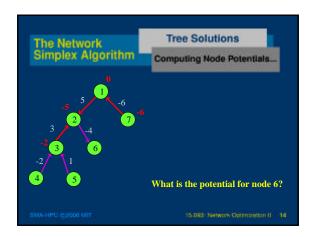


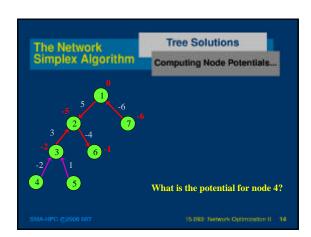


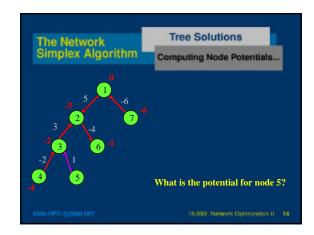


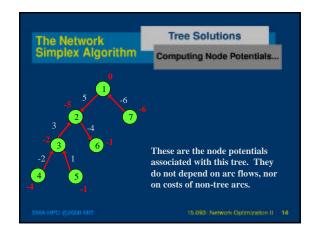


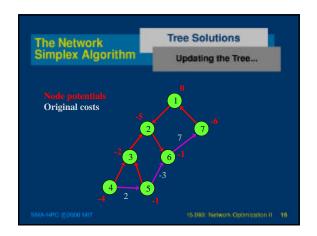


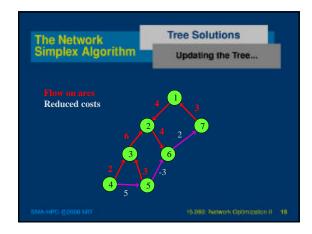


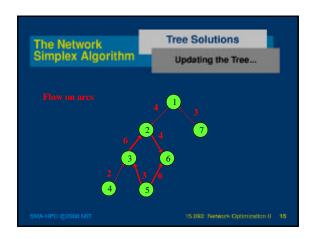


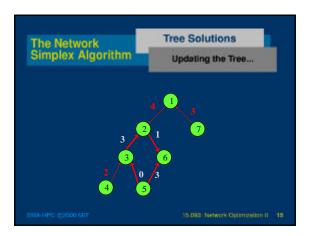


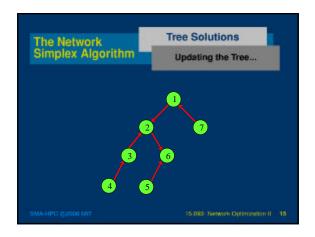


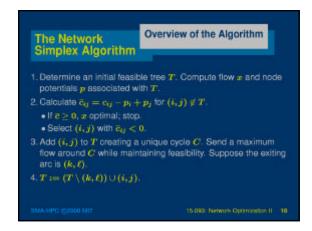


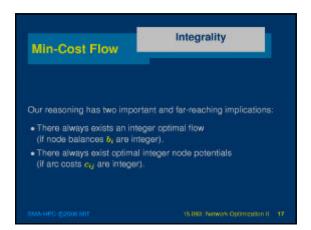


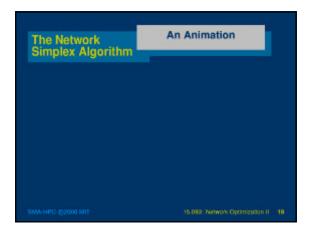












The Network Simplex Algorithm

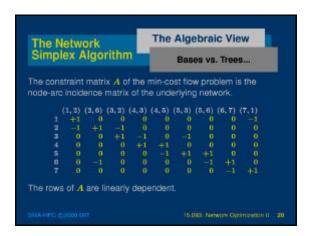
The Algebraic View

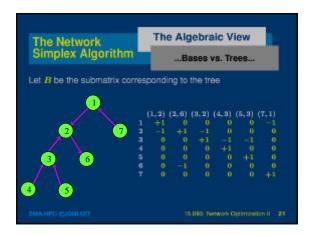
Bases and trees.

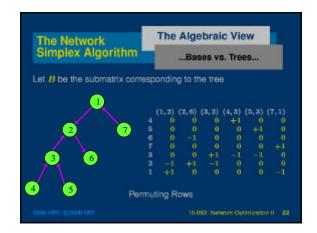
Dual variables and node potentials.

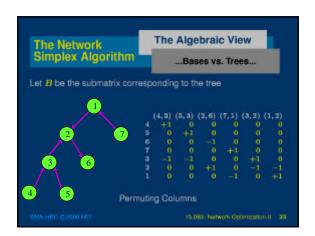
Changing bases and updating trees.

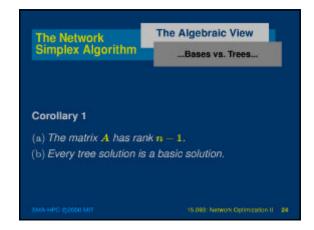
Optimality testing.

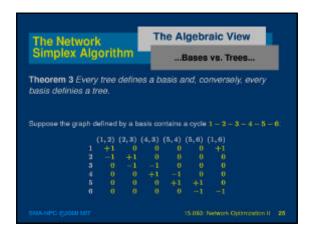


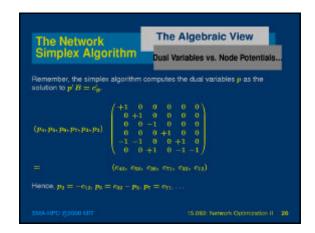


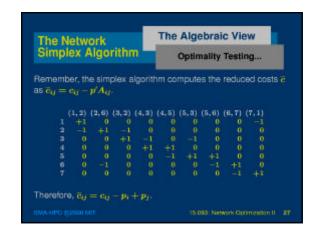


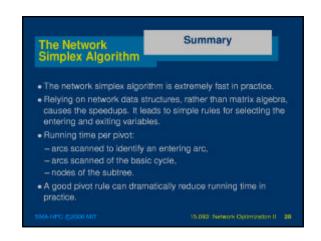




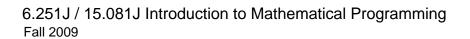












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