1.224J Recitation #3

Networks and Introduction to AMPL

Topics

- Network formulation review
- Tournament example
- Product distribution example in AMPL

Network highlights

- Node-arc incidence matrix
- Sign convention
 - Arc from i to j, i gets the +1, j gets the -1
 - Convention: b(i) positive for supply, negative for demand
- Integer data...integer solutions

Tournament problem

• *N* teams compete in a tournament of *k* rounds. During each round, each team plays every other team once. Given a particular outcome vector (for example, team 1 won 3 games, team 2 won 7 games...) decide if that is a **possible** outcome.

