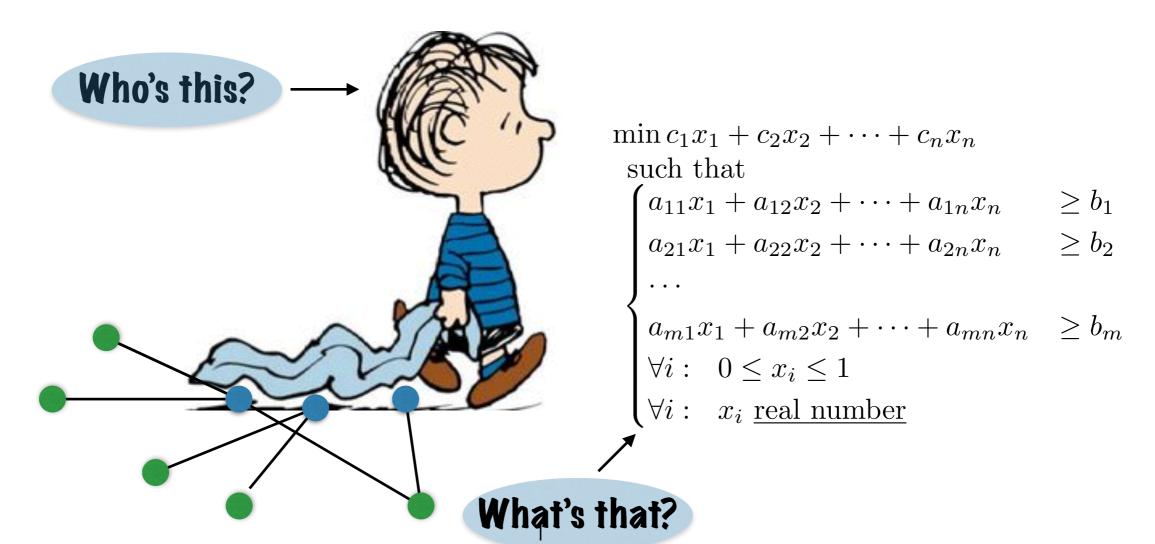
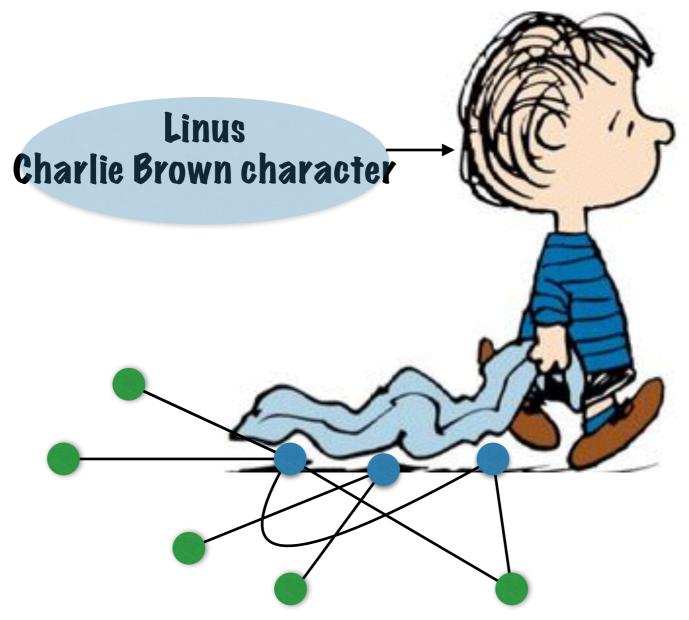
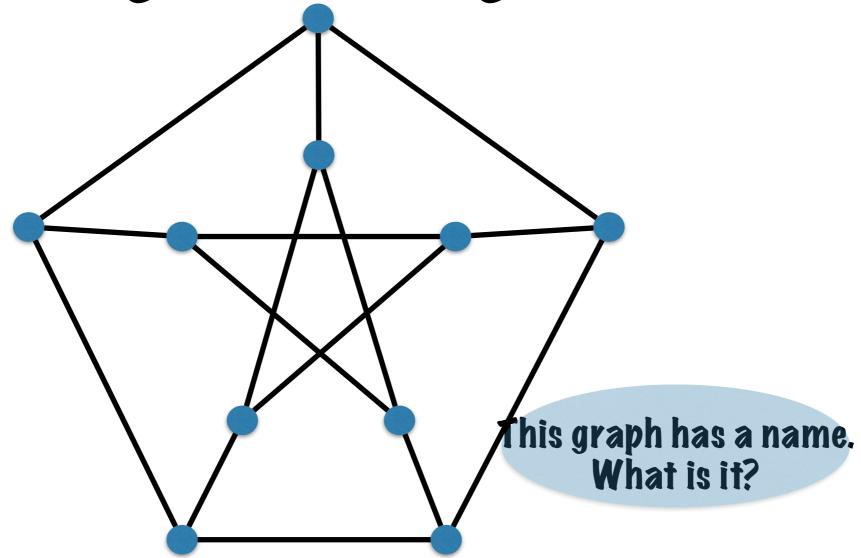
Approximation algorithms, vertex cover, and linear programming

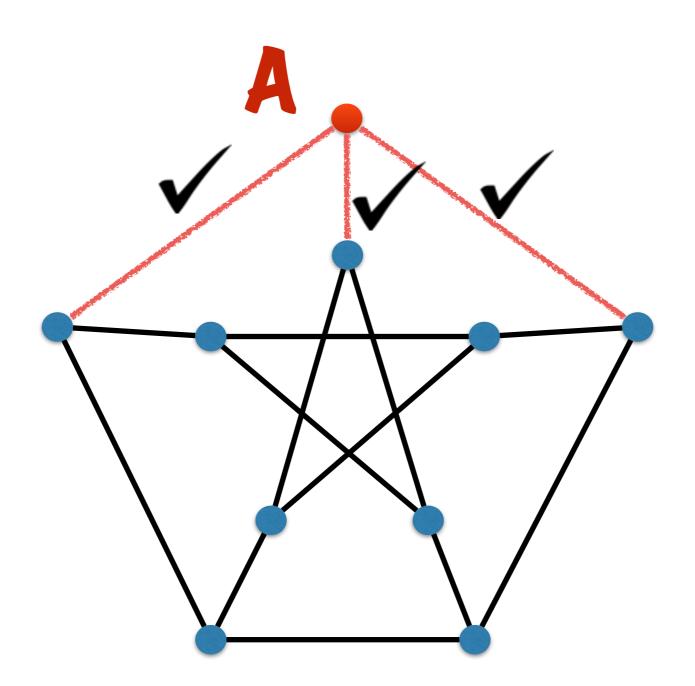


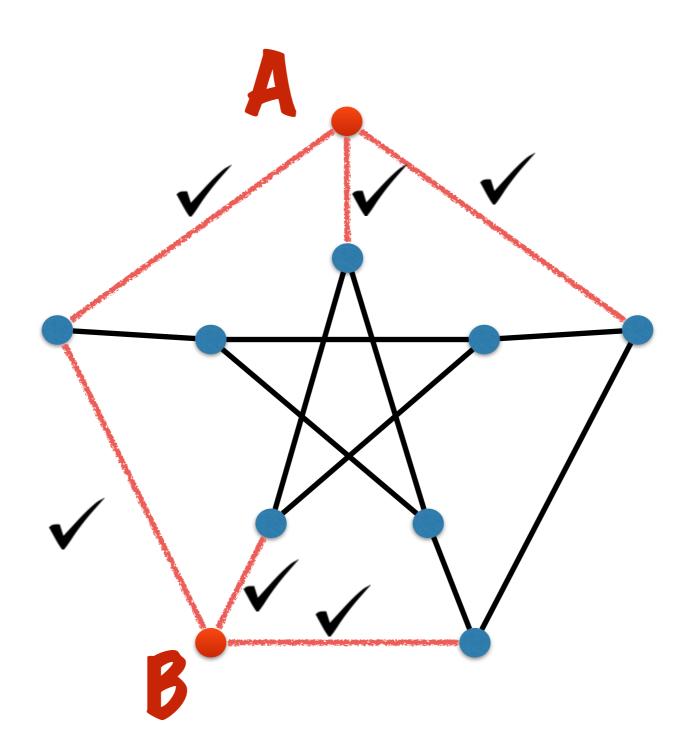
Vertex Cover

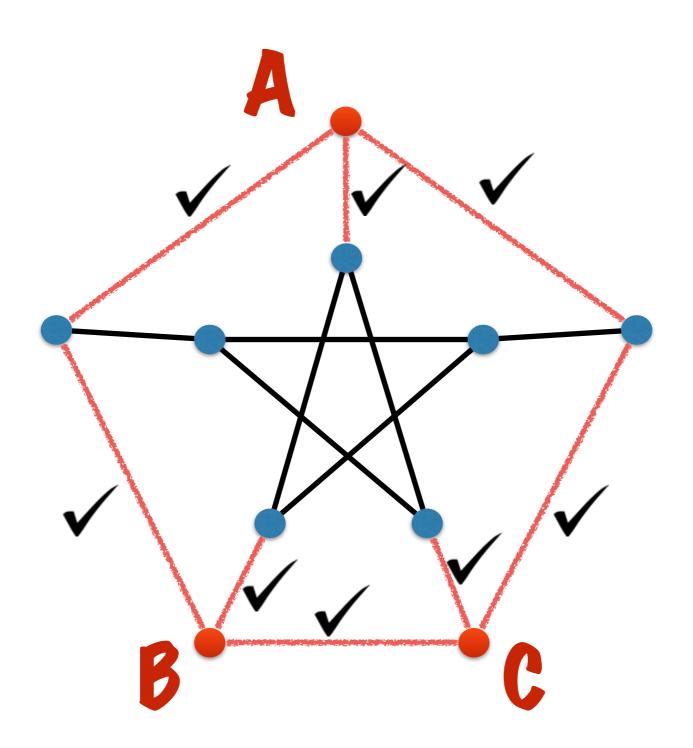


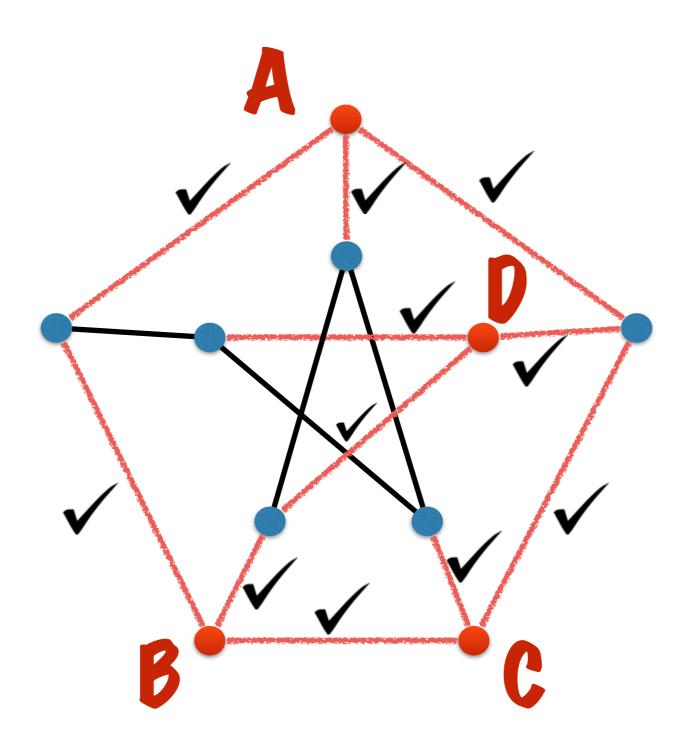
Vertex cover Given graph with vertex weights, cover edges with lightest vertices

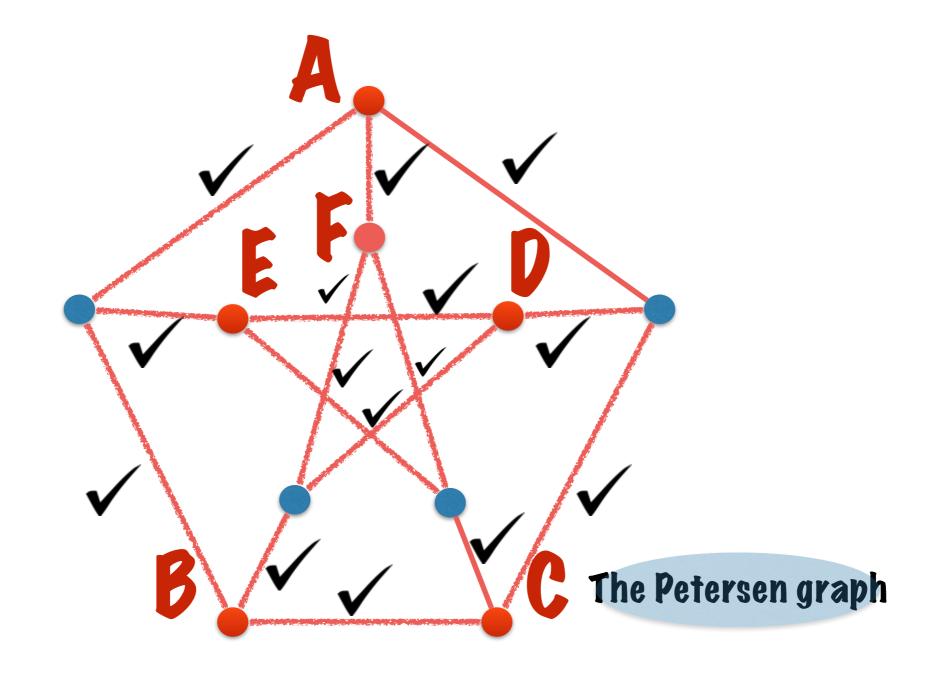




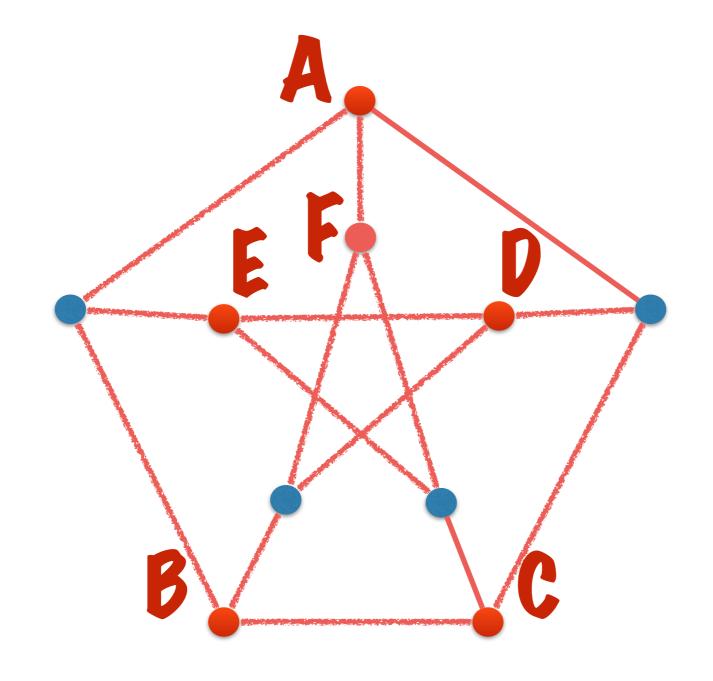








Vertex weights: 1. Cover edges with 6 vertices. Optimal: cannot cover with 5



Given graph with vertex weights, cover edges with lightest vertices

Approximation algorithms, vertex cover, and linear programming

