Review for Test 3

1. Matrix games:
   - payoff matrix, simplex problem obtained from the payoff matrix
   - minimax theorem

2. Network simplex algorithm:
   - networks, trees, network simplex algorithm
   - initial tree solution, auxiliary problem

3. Applications of the integrality theorem:
   - integrality theorem
   - Konig’s theorem
   - doubly stochastic matrices, Birkhoff-von Neumann theorem

4. Matchings and covers:
   - auxiliary network that is used to find the largest matching in a bipartite graph
   - Konig-Egervary theorem
   - system of distinct representatives, Hall’s theorem

5. Partially ordered sets