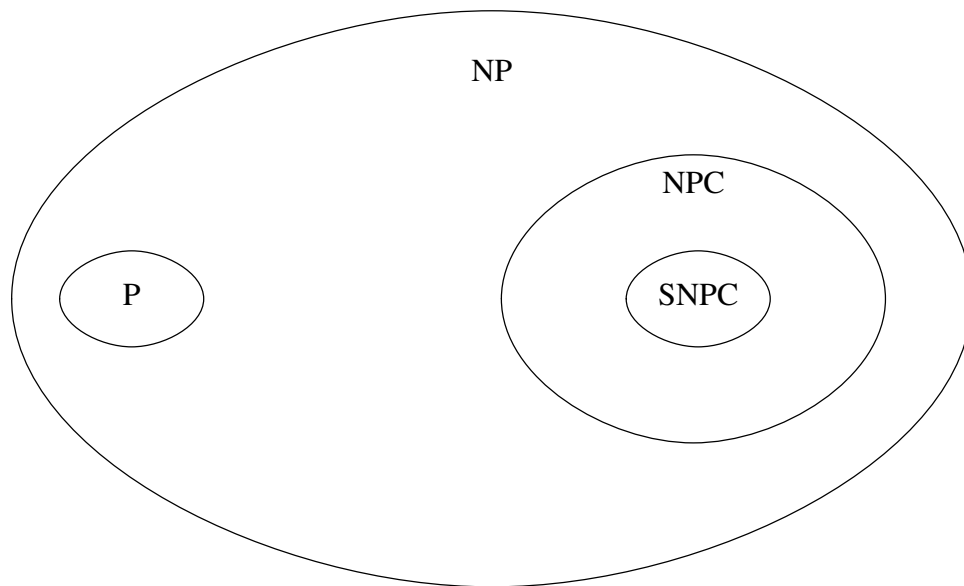


# Complexity Classes



## I. NP

### A. P

### B. NP-complete

#### a. Weakly NP-complete

- Knapsack problem (KP)
- Set Partition (SP)
- $P_2 || C_{\max}$  (Multiprocessor Scheduling)

#### b. Strongly NP-complete

- Traveling salesman problem (TSP)
- Clique problem (QL)
- Vertex cover (VC)
- 3-dimensional matching (3DM)
- Hamiltonian Circuit (HC)

### C. Open problems