Chapter 2:
- **Problem Formalization**
- **State/Action/Transition/Observation/ect.**

Chapter 4:
- **Local Search**
- **Hill Climbing**
- **Gradient descent**

Chapter 3:
- **Unguided search**
- **BFS/DFS/SPF**

Chapter 4:
- **Informed Search**
- **Heuristics**
- **A* Search**

Chapter 6:
- **Adversarial Search**
- **Minimax Search**
- **Alpha-Beta Pruning**

Chapter 18
- **Decision Trees**
- **Constructing Decision Trees**

Chapter 5:
- **Constraint Satisfaction**
- **Backtracking Algorithm**

Chapter 8 & 9:
  - **Logic**

Chapter 13
- **Probability**
- **Bayes law**

Chapter 14
- **Bayesian Networks**