

# Midterm Review

## Everything about the search!

- Uninformed search (knows nothing)
  - BFS, DFS, IDFS ...
- Informed search (knows where's the goal)
  - Greedy, A\*, local search algorithms
- CSP (special structured, don't care path)
  - Preprocessing (AC3), Backtracking...
- Games (two (or more) players)
  - $\alpha - \beta$  pruning

# All search algorithm

## Key concept

- FRINGE (stack, queue, ...)
- When to report goal
- How to deal with duplicated states (Tree search, Graph search)
- Order of expanded, order of generated
- Time complexity and space complexity