

# AI - Exam Sheet

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## 1 Algorithms

- Intelligent Agents
  - Task environment specification
  - Environment types
  - Types of agents
- Uninformed Search
  - Tree search
  - Breadth-first search
  - Depth-first search
  - Iterative deepening search
  - Uniform cost search
- Informed search
  - Greedy best-first search
  - A\* search
  - Weighted A\* search
- Local search
  - Hill climbing (greedy search)
  - Simulated annealing search
  - Genetic algorithms
- Adversarial Search
  - Minimax
  - Alpha-beta pruning
- Constraint-satisfaction problems
  - Backtracking search
  - Constraint propagation
- Bayesian Networks
- Hidden Markov Models
- Intro to Machine Learning