CSE 473: Artificial Intelligence Autumn2016

Problem Spaces & Search

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With slides from Dan Klein, Stuart Russell, Andrew Moore, Luke Zettlemoyer

Search Methods

- Blind Search
 - Depth first search
 - Breadth first search
 - Iterative deepening search
 - Uniform cost search
- Local Search
- Informed Search
- Constraint Satisfaction
- Adversary Search

BFS						
Algorithm		Complete	Optimal	Time	Space	_
DFS	w/ Path Checking	N unless finite	N	$O(b^m)$	O(bm)	
BFS		Y	Y	$O(b^d)$	$O(b^d)$	
d tiers				1 n b n b ² r b ^d r b ^m	ode odes nodes nodes	

