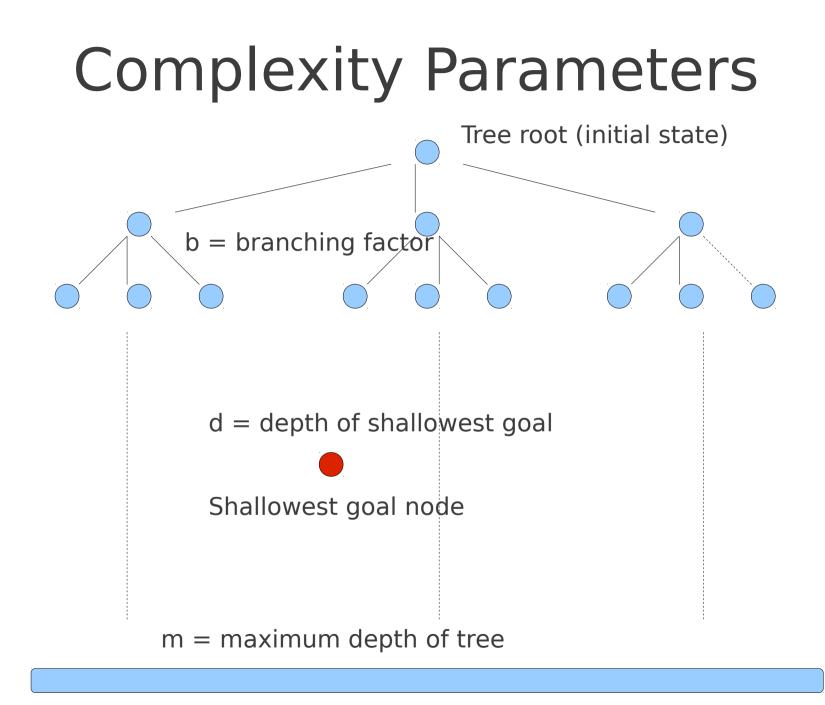
Uniformed (Blind) Search

- Breadth-first search
- Uniform-cost search
- Depth-first search
- Depth-limited search
- Iterative deepening depth-first search
- Bidirectional search

Evaluation Criteria

- Completeness
- Optimality
- Time complexity
- Space complexity



Comparisons

Criterion	BFS	UC	DFS	DL	ID	BD
Complete	Yes ^a	Yes ^{a,e}	No	No	Yes ^a	Yes ^{a,f}
Optimal	Yes ^c	Yes	No	No	Yes ^c	Yes ^{c,f}
Time Complexity	O(b ^d)	$v=1+C^*/\varepsilon$ O(b ^v)	O(b ^m)	O(b ^I)	O(b ^d)	O(b ^{d/2})
Space Complexity	O(b ^d)	$v=1+C^*/\varepsilon$ O(b ^v)	O(bm)	O(bl)	O(bd)	O(b ^{d/2})

- a if b is finite
- c if step-cost is identical for all actions
- e if step-cost > epsilon > 0
- f if both directions use BFS