Algorithm	Time Complexity	Space Complexity	Complete?	Optimal?
BFS	$O(b^{d+1})$	$O(b^{d+1})$	Yes	Yes
UCS	$O(b^{(1+C/\varepsilon)})$	$O(b^{(1+C/\varepsilon)})$	Yes	Yes
DFS	$O(b^n)$	$O(bn)$	Yes on finite graph	No
DLS	$O(b^l)$	$O(bl)$	No	No
IDS	$O(b^d)$	$O(bd)$	Yes	Yes
A*	$O(b^d)$	$O(b^d)$	Yes when heuristic is admissible	Yes when heuristic is admissible