A\text{ confusion}

\text{Example}

\text{from a problem - Ab struc-}

\text{tural.}

\text{Eg:}

\text{ getIntent Pm n}

\text{Intent n m

A: small's change}

\text{R: sign in: P1, ut: n}
search strategy -> choose one option

see where it gets you, then choose another.

If you reach dead end, back up one step and try again.

(initial state)

(exploratory function)
breadth-first search

All nodes at depth 0 get explored in sequence.
Some nodes are expanded in sequence.

UNDETERMINED SEARCH

Before the nodes at depth 0 get explored.
4. Space complexity

We need to search the entire tree

3. Search cost

 Generates or best solution

2. Solution

After we guaranteed to generate

1. Criticize with which to compare search algorithms

Depth first search - Always explore one node to the deepest level of the tree

Always - Always explore one node to the deepest level of the tree
Depth-First Search

Time Complexity

Depth:

Graph cost is a linear function of the complete graph. Optimized by depth-first search. The solution finds the shallowest solution.

If a solution exists, it will be found.

Depth-First Search
The first extend the lowest cost function on

Uniform cost Search - recursion of

breadth-first

earliest function