

Lee+ Code Problem Solving

1) Simplify Problem (Input \rightarrow Output)

Repeat Inputs are this _____

Outputs are this _____

How?

Ask lots of questions

Catch Edge cases

Example

beginWord str

endWord str

wordList: List[str]

2) Pattern Recognition

BigO Notations

Data Structure

Step 1: Straightforward Solution

Identify Time/Space complexity

Step 2: Optimal Solution

$O(\log(m \times n)) \Rightarrow$ Binary Search

✓
Algo/Monster - identify what pattern to use

3) Implementation Plan (BFS)

4) Coding Time

\rightarrow 2 types Error

1) Syntax error (Read error / q)

2) Implementation Error (Check Edge cases)

5) Debug