

Trie Data Structure

Exp: build Trie

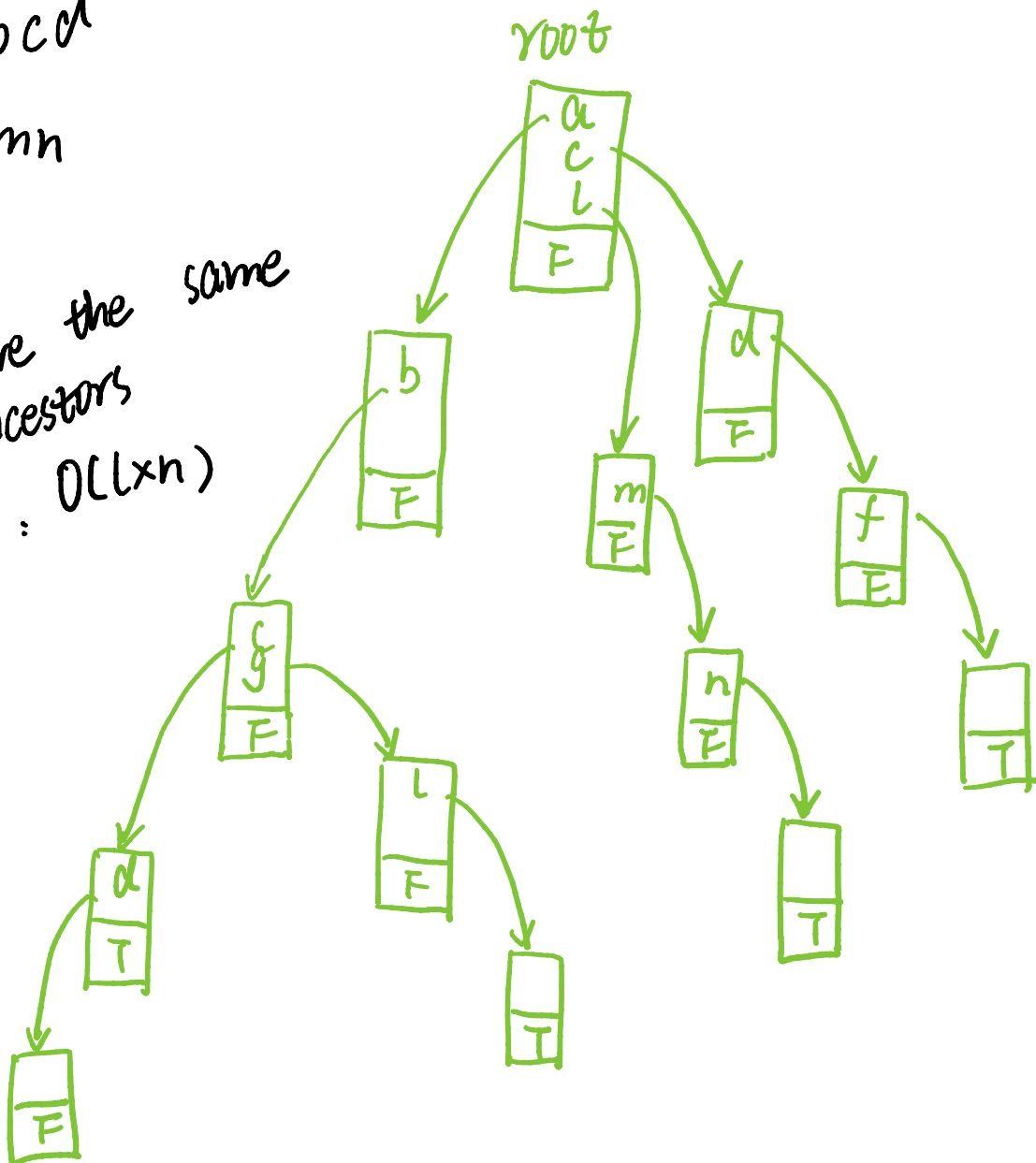
abc
abgl
cdf
abcd
lmn

TrieNode {

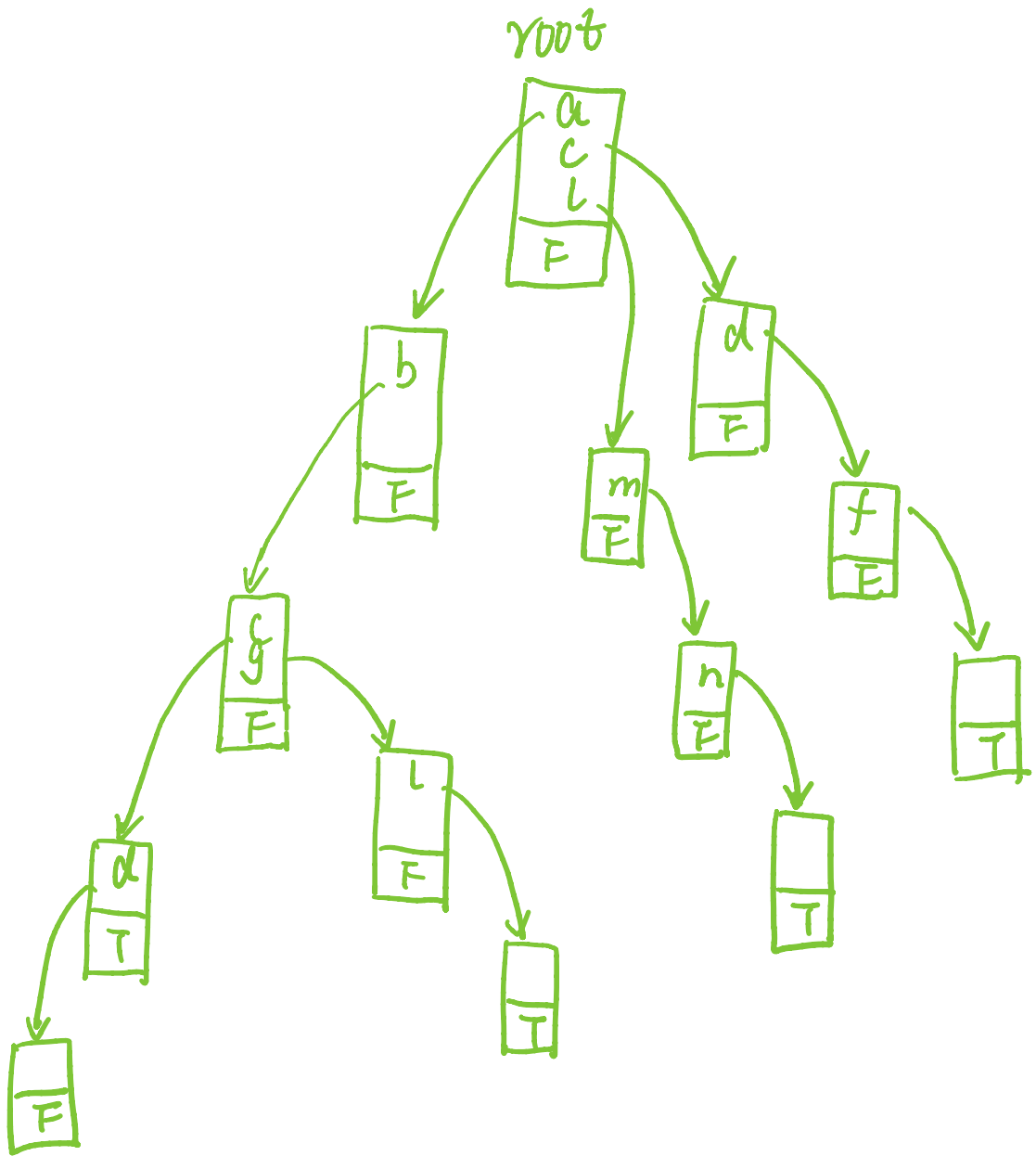
Map <Character, TrieNode> children;
boolean endOfWord;

}

Share the same
ancestors
Time: $O(L \times n)$



Search { prefix : ab^{→T}, lo^{→F}
whole word : lmn_{↓T}, ab_{↓F}, cdf_{↓T}, ghi_{↓F}



delete words: abc
abgl
abcd

Time: $O(L \times m)$

