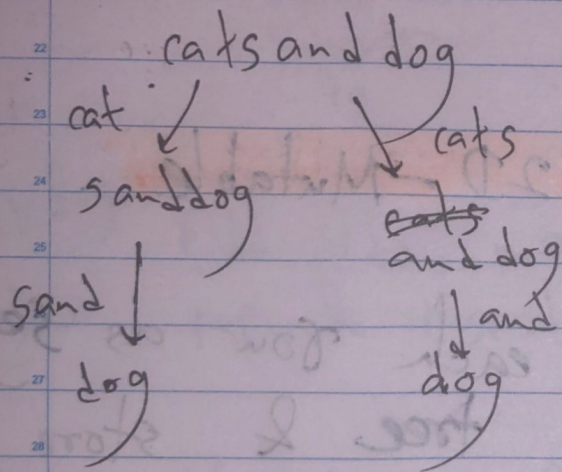


## \* Word Break II



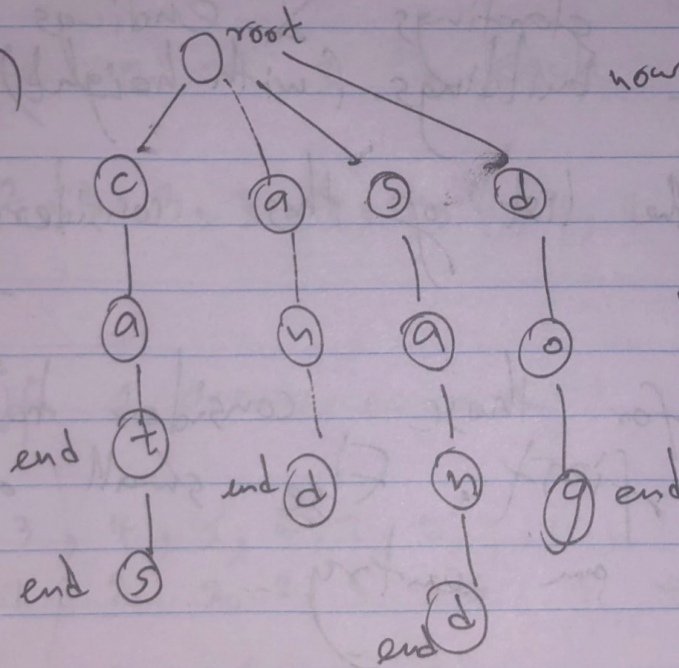
rat, cats, and, sand, dog

dp + dfs → for each mapping, store the list of possibilities.

$O(\text{total \# of chars})$   
 $O(N * \text{len(word)})$

Use Trie

cat, rat, sand, dog



now take the  
 given string &  
 traverse from root.  
 If its end, then  
 restart from  
 the root by  
 adding " — ".