720. Longest Word in Dictionary

Given an array of strings words representing an English Dictionary, return the longest word in words that can be built one character at a time by other words in words.

If there is more than one possible answer, return the longest word with the smallest lexicographical order. If there is no answer, return the empty string.

Input: words = ["a","banana","app","appl","ap","apply","apple"]
Output: "apple"
Explanation: Both "apply" and "apple" can be built from other
words in the dictionary. However, "apple" is lexicographically
smaller than "apply".

apple

apple

apple

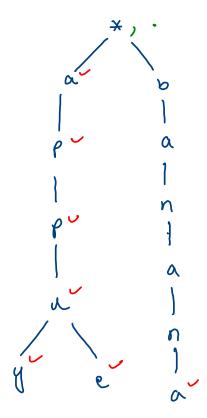
apple

apple

apple

a ap app appl apply

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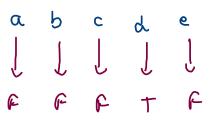


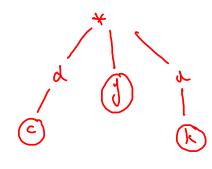
```
String ans;
public void dfs(Node curr,String psf) {
                                                cardio
   if(psf.length() > ans.length()) {
       ans = psf;
                                                                                Ь
                                                                            6
   for(int i=0; i < 26;i++) {
       if(curr.children[i] != null) {
                                                                                         9
          Node child = curr.children[i];
          if(child.isEnd == false) {
              continue;
           else {
              dfs(child,psf + (char)(i + 'a'));
                                                                 lappy
                                                                                                (ard
     a, ap, app, appl, apply, apple,
                                                       apple
         b, ba, c, ra, car, card, cardi,
             cardio, barara
```

1032. Stream of Characters

12 a b c d e f g h i jklwords = cd, f, KL Trie

words = cd, 1, 111





```
words:
                                                              car, Jar, send, band,
public boolean query(char letter) {
   Node curr = root;
                                                                 abed, ed, bed
   sb.append(letter);
   for(int i=sb.length()-1; i >= 0;i--) {
       char ch = sb.charAt(i);
      Node child = curr.children[ch-'a'];
       if(child == null) {
          return false;
       else if(child.isEnd == true){
          return true;
       curr = child;
   return false;
```