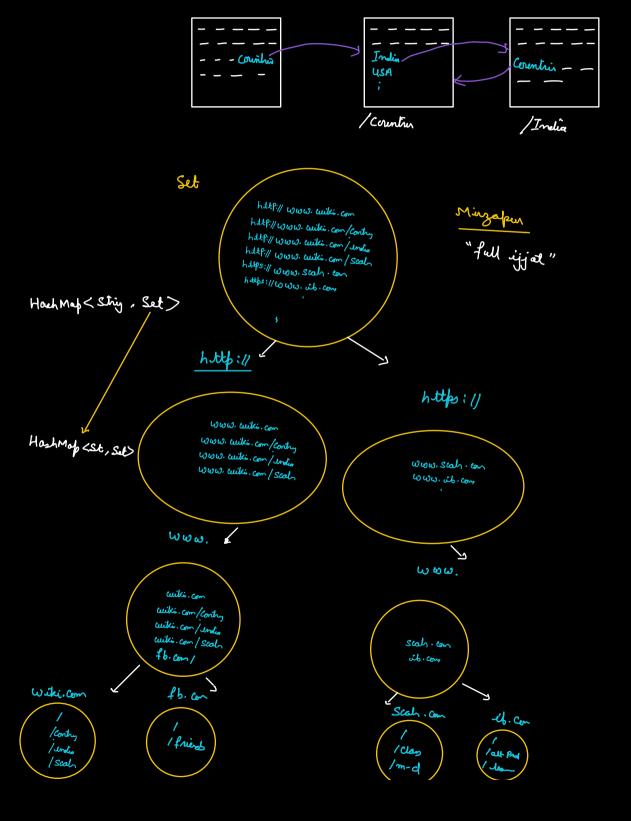
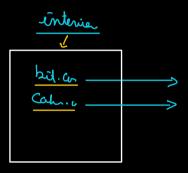
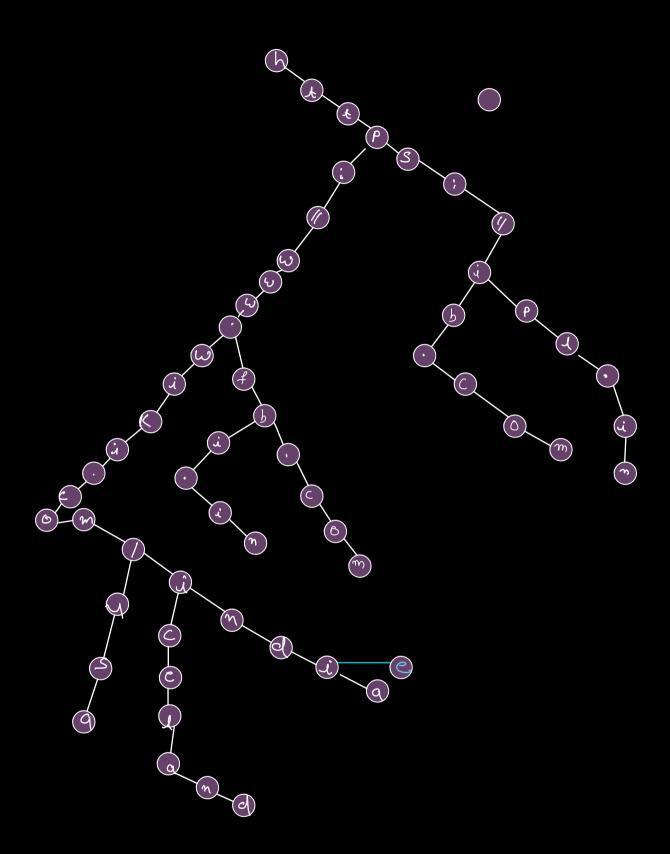


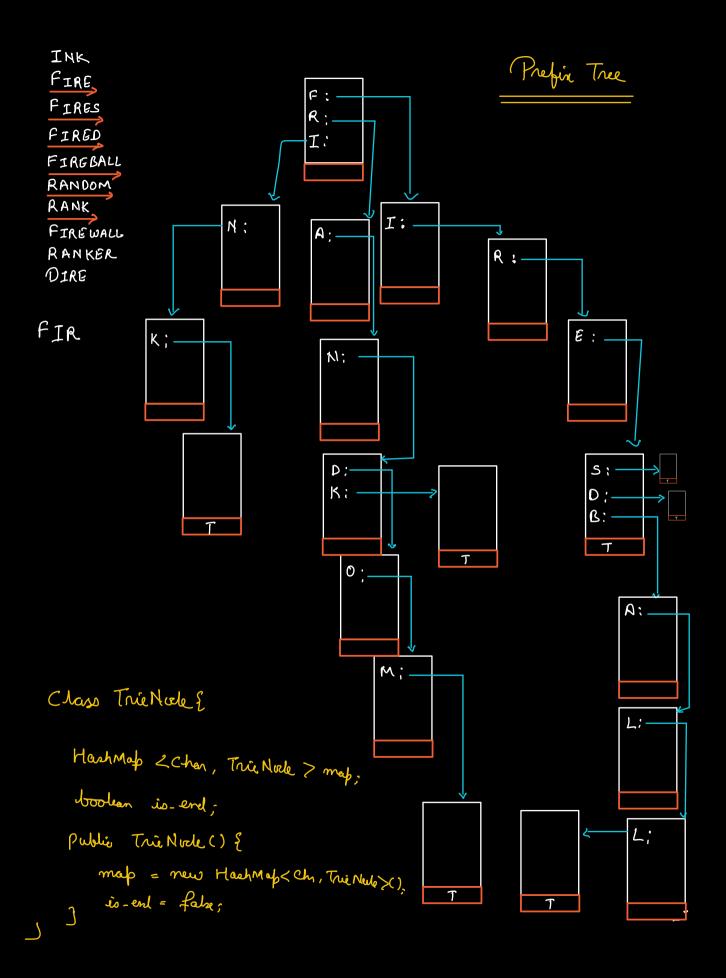
www. wiki.com



interview bil. Com
interview Cake. Com
interview ace. com
interview belo. com
interview cledo. com
intervene. com







abc abde abcd aab glo ab b: r

T

T

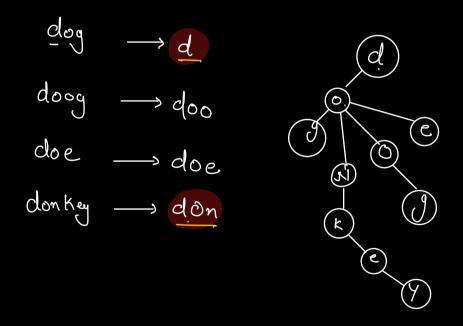
```
Void inset ( word ) {
         TrieNode com = root;
         for (i=0; i< word. lengti(); i+1) {
                  Ch = word. Chan At(i);
                  if (! (un, map. containskey (ch)) {
                           Cun. mag, put (ch, new Trie Norde ());
                   cun = cun. map, get (ch);
                                                    TC: O(1)
                                                    sc: 0(1)
       Cum, is end = true:
                                                    L- Word. lengti ()
boolean Slarch (curd) {
          TrieNode cun = noot;
          for (i=0; i< word. length (); i+1) {
                     Ch = word. Chan Atli);
                    if (! (un. map. Containskey (ch)) {
                                ret false,
                    Cun = cun. map, get ((h);
                                                  TC:0(1)
         ret cum. is end;
```

HW - Delete.

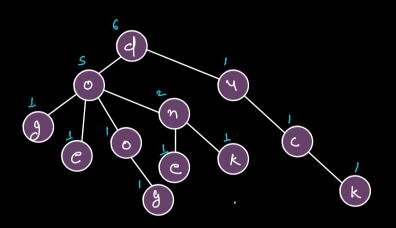
Q. Ginen an array of awards. Return an array of strings Centaining the smallest unique prefix for every curd. (Assume that unique prefixes will exist for every word in the array)

A: [cat, dog, rat, tiges, racoon]
[c, d, rat, t, rac]

A: [dog, doog, doe, donkey, duck, done]
[dog, doo, doe, don, dy]



[dog, doog, doe, donk, duck, done] [dog, doo, doe, donk, du, done]



Google Given an array. Return the man xor of any pair.

A: 25, 10, 2, 8, 5, 3

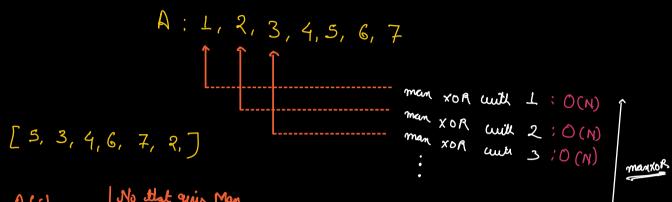
25⁵ 5 ⇒ 28

A: 1, 2, 3, 4, 5, 6, 7

Brute Force

uterate over all pairs

O(N2)



A		No that guis Man XOR will A (E)	
5	101	ع.	011
3	011	4	0/
4	100	3	010
6	110	3	101 00 101 03 100
7	()	2	1 2 1 0 0 100 0 100
2	010	5	110
	. ^ ^		111 13 110

(O) BT 0 Nul () () (S) **(b)** 010

011

- Build a trie using the Joinary representation of all no. (from MSB to LSB) O(Nx Joy Man)

-> I tende over the carry to find the man xor for the cun array element. O(N x by Man)

-> More towards opposite value cin this.

TC: O(Nr Jey Man) / O(Nb)

No of Jobis in clatatyle