

COMPLETE STRING

A string is called a complete string if every prefix of this string is also present in array 'A'. N/A is challenged to find the longest complete string in the array 'A'. If there are multiple strings with the same length, return the lexicographically smallest one & if no string exists, return "None".

Ex:

I/p \rightarrow n m min minja minja

O/p \rightarrow minja

Time $\{$

arr[26];

bool flag;

$\}$

class Trie {

Node * root;

public:

Trie() {

root = new Node();

}

void insert (string &word)

{

Node * node = root;

for (int i=0; i < word.size(); i++)

{

if (!node \rightarrow contain (word[i]))

{

node \rightarrow put (word[i], new Node());

}

}

node = node \rightarrow get (word[i]);

}

node \rightarrow setEnd();

}

bool isPresent (string &word)

{

Node * node = root;

for (i=0 to i < word.size())

{

if (!node \rightarrow contain (word[i])) return false;

node = node \rightarrow get (word[i]);

}

if (!node \rightarrow isEnd()) return false;

}

return node \rightarrow isEnd();

}

}

