**Complete String**

#include<bits/stdc++.h>

string completeString(int n, vector<string>& words)

{

set<string> wordSet;

string result = "";

for (int i = 0; i < n; i++)

{

wordSet.insert(words[i]);

}

for (auto word : words)

{

bool isComplete = true;

int wordSize = word.size();

for (int j = 1; j <= wordSize; j++)

{

string substring = word.substr(0, j);

if (wordSet.find(substring) == wordSet.end())

{

isComplete = false;

break;

}

}

if (isComplete)

{

if (result.size() == wordSize)

{

result = min(result, word);

}

else if (result.size() < wordSize)

{

result = word;

}

}

}

if (result.size() > 0)

{

return result;

}

return "None";

}