

```
#include <iostream>
#include <vector>
#include <string>
using namespace std;
int main(){
vector<string>S;
string a;
int n,m;
cin>>n;
while (n--){
cin>>a;
S.push_back(a);
}
cin>>m;
while (m--){
cin>>a;
int j = 0;
bool isOk = true;
for (int i = 0;i<a.size();i++){
if (!(S[j].size()>i && S[j][i]==a[i])){
j++;
if (j==S.size()){
isOk = false;
break;
}
}
}
if (isOk && S[j] == a)
cout<<"TAK"<<endl;
else
cout<<"NIE"<<endl;
}
return 0;
}
```