**STRINGS:**

[A - Reverse string](https://vjudge.net/problem/HackerRank-si-basic-reverse-string)

 #include <bits/stdc++.h>

using namespace std;

int main() {

string str;

cin>>str;

for(int i=0;i<str.length()/2;i++){

char temp=str[i];

str[i]=str[str.length()-1-i];

str[str.length()-1-i]=temp;

}

cout<<str<<endl;

return 0;

}

[B - Odd even index](https://vjudge.net/problem/HackerRank-si-basic-odd-even-index)

#include <bits/stdc++.h>

using namespace std;

int main() {

string str;

cin>>str;

for(int i=0;i<str.length();i++){

if(i%2 == 1)

cout<<str[i];

}

for(int i=0;i<str.length();i++){

if(i%2 == 0)

cout<<str[i];

}

return 0;

}

[C - Occurrence of a character](https://vjudge.net/problem/HackerRank-si-basic-occurrence-of-a-character-1)

#include <bits/stdc++.h>

using namespace std;

int main() {

string str;

getline(cin,str);

char ch;

int count=0;

cin>>ch;

for(int i=0;i<str.length();i++){

if(ch == str[i])

count++;

}

cout<<count<<endl;

return 0;

}

[D - Vowels in a string](https://vjudge.net/problem/HackerRank-si-basic-vowels-in-a-string)

#include <bits/stdc++.h>

using namespace std;

int main() {

string str;

bool flag=true;

cin>>str;

for(int i=0;i<str.length();i++){

if(str[i] == 'A' || str[i] == 'E' || str[i]=='I' || str[i]=='O' || str[i]=='U'|| str[i] == 'a' || str[i] == 'e' || str[i]=='i' || str[i]=='o' || str[i]=='u'){

continue;

}

else{

flag=false;

break;

}

}

if(flag)

cout<<"Yes"<<endl;

else

cout<<"No"<<endl;

return 0;

}

[E - Digits in a string](https://vjudge.net/problem/HackerRank-si-basic-digits-in-a-string)

 #include <bits/stdc++.h>

using namespace std;

int main() {

string str;

bool flag=true;

cin>>str;

for(int i=0;i<str.length();i++){

if(str[i] >= '0' && str[i]<='9')

continue;

else{

flag=false;

break;

}

}

if(flag)

cout<<"Yes"<<endl;

else

cout<<"No"<<endl;

return 0;

}

[F - Count vowels and consonants](https://vjudge.net/problem/HackerRank-si-basic-count-vowels-and-consonants)

#include <bits/stdc++.h>

using namespace std;

int main() {

string str;

cin>>str;

int con=0,vow=0;

for(int i=0;i<str.length();i++){

if(str[i] == 'A' || str[i] == 'E' || str[i]=='I' || str[i]=='O' || str[i]=='U'|| str[i] == 'a' || str[i] == 'e' || str[i]=='i' || str[i]=='o' || str[i]=='u'){

vow++;

}

else

con++;

}

cout<<vow<<" "<<con<<endl;

return 0;

}

[G - Toggle case of characters](https://vjudge.net/problem/HackerRank-si-basic-toggle-case-of-characters)

#include <bits/stdc++.h>

using namespace std;

int main() {

string str;

cin>>str;

int con=0,vow=0;

for(int i=0;i<str.length();i++){

if(str[i] >= 'A' && str[i] <= 'Z')

str[i]=tolower(str[i]);

else

str[i]=toupper(str[i]);

}

cout<<str<<endl;

return 0;

}

[H - Compress a string](https://vjudge.net/problem/HackerRank-si-basic-compress-a-string)

 #include <bits/stdc++.h>

using namespace std;

int main() {

string str;

cin>>str;

int count=1;

for(int i=0;i<str.length();i++){

if(str[i] == str[i+1])

count++;

else{

cout<<str[i]<<count;

count=1;

}

}

return 0;

}

[I - Prefix and suffix](https://vjudge.net/problem/HackerRank-si-basic-prefix-and-suffix)

#include <iostream>

using namespace std;

int main() {

string str;

cin>>str;

int len=str.length();

for(int i=0;i<len;i++){

if(str.substr(0,len-i-1) == str.substr(i+1)){

cout<<len-i-1;

break;

}

}

return 0;

}

[J - Find First Repeating Character](https://vjudge.net/problem/HackerRank-si-find-first-repeating-character)

#include <bits/stdc++.h>

using namespace std;

int main() {

int t;

string str;

cin>>t;

int count;

bool flag;

while(t--){

cin>>str;

flag=false;

for(int i=0;i<str.length();i++){

count=1;

for(int j=i+1;j<str.length();j++){

if(str[i] == str[j])

count++;

if(count==2){

cout<<str[i]<<endl;

flag=true;

break;

}

}

if(flag)

break;

}

if(!flag)

cout<<"."<<endl;

}

}

[K - Words, Vowels and Consonants](https://vjudge.net/problem/HackerRank-si-words-vowels-and-consonants)

#include <bits/stdc++.h>

using namespace std;

int main()

{

int t,w,v,c;

string str;

cin>>t;

cin.ignore();

while(t--){

w=0; v=0; c=0;

getline(cin,str);

for(int i=0;i<str.length();i++){

if(!(isspace(str[i])) && (isspace(str[i+1])))

w++;

if(isalpha(str[i])){

str[i]=tolower(str[i]);

if(str[i] == 'a' || str[i] == 'e' || str[i] == 'i' || str[i] == 'o' || str[i] == 'u')

v++;

else

c++;

}

}

if(str[str.length()-1] == ' ')

cout<<w<<" "<<v<<" "<<c<<endl;

else

cout<<w+1<<" "<<v<<" "<<c<<endl;

}

return 0;

}

[L - Anagrams easy](https://vjudge.net/problem/HackerRank-si-check-anagrams)

#include <bits/stdc++.h>

using namespace std;

int main() {

int t;

string str1,str2;

cin>>t;

while(t--){

cin>>str1>>str2;

sort(str1.begin(),str1.end());

sort(str2.begin(),str2.end());

if(str1 == str2)

cout<<"True"<<endl;

else

cout<<"False"<<endl;

}

}

[M - Pangram](https://vjudge.net/problem/CodeForces-520A)

#include <bits/stdc++.h>

using namespace std;

int main()

{

int n;

cin>>n;

string str;

bool flag=false;

cin>>str;

vector<int> v(26);

for(int i=0;i<str.length();i++){

str[i]=tolower(str[i]);

v[str[i]-97]++;

}

for(int i=0;i<26;i++){

if(v[i] == 0){

flag=true;

break;

}

}

if(flag){

cout<<"NO"<<endl;

}

else

cout<<"YES"<<endl;

return 0;

}

[N - Way Too Long Words](https://vjudge.net/problem/CodeForces-71A)

#include <bits/stdc++.h>

using namespace std;

int main() {

int t,count;

cin>>t;

string str;

while(t--){

cin>>str;

if(str.length() > 10){

cout<<str[0]<<str.length()-2<<str[str.length()-1]<<endl;;

}

else

cout<<str<<endl;

}

return 0;

}

[O - Love Story](https://vjudge.net/problem/CodeForces-1829A)

#include <bits/stdc++.h>

using namespace std;

int main() {

int t,count;

cin>>t;

string str1="codeforces",str;

while(t--){

cin>>str;

count=0;

for(int i=0;i<str.length();i++){

if(str[i] != str1[i])

count++;

}

cout<<count<<endl;

}

return 0;

}

[P - New Palindrome](https://vjudge.net/problem/CodeForces-1832A)

#include <bits/stdc++.h>

using namespace std;

int main()

{

int t,count;

string str;

cin>>t;

while(t--){

cin>>str;

int len=str.length()/2;

count=0;

vector<int> v(26);

for(int i=0;i<len;i++){

v[str[i]-97]++;

}

for(int x:v){

if(x != 0)

count++;

}

if(count >= 2){

cout<<"YES"<<endl;

}

else

cout<<"NO"<<endl;

}

return 0;

}

[Q - Find and Replace](https://vjudge.net/problem/CodeForces-1807C)

#include <bits/stdc++.h>

using namespace std;

int main()

{

int t,n;

string str;

bool flag;

cin>>t;

while(t--){

cin>>n;

cin>>str;

vector<int> v(26);

for(int i=0;i<n;i=i+2){

v[str[i]-97]++;

}

flag=false;

for(int i=1;i<n;i=i+2){

if(v[str[i]-97] !=0){

flag=true;

break;

}

}

if(flag)

cout<<"NO"<<endl;

else

cout<<"YES"<<endl;

}

return 0;

}

[R - Insert Digit](https://vjudge.net/problem/CodeForces-1811A)

 #include <bits/stdc++.h>

using namespace std;

int main()

{

int t,n,d;

string str;

bool flag;

cin>>t;

while(t--){

cin>>n>>d;

cin>>str;

flag=false;

char ch=(char)(d+48);

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

if(ch > str[i] && flag==false){

flag=true;

cout<<ch;

}

cout<<str[i];

}

if(flag==false)

cout<<ch;

cout<<endl;

}

return 0;

}

[S - Count the Number of Pairs](https://vjudge.net/problem/CodeForces-1800B)

## [T - Is It a Cat?](https://vjudge.net/problem/CodeForces-1800A)

#include <bits/stdc++.h>

using namespace std;

int main()

{

int t, n;

string str,new\_str="meow";

bool flag;

cin >> t;

while (t--)

{

cin >> n;

cin >> str;

vector<char> v;

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

str[i]=tolower(str[i]);

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

if(str[i] != str[i+1]){

v.push\_back(str[i]);

}

}

flag=false;

if(v.size() == 4){

for(int i=0;i<4;i++){

if(new\_str[i] != v[i]){

flag=true;

break;

}

}

}

else

flag=true;

if(flag)

cout<<"NO"<<endl;

else

cout<<"YES"<<endl;

}

return 0;

}

[U - Prefix and Suffix Array](https://vjudge.net/problem/CodeForces-1794A)

#include <bits/stdc++.h>

using namespace std;

int main()

{

int t,n,len,count;

cin>>t;

while (t--)

{

cin>>n;

len=(2\*n)-2;

vector<string> v(len);

for(int i=0;i<len;i++){

cin>>v[i];

}

count=0;

string str;

for(int i=0;i<len;i++){

str=v[i];

reverse(str.begin(),str.end());

for(int j=i+1;j<len;j++){

if(str == v[j]){

count++;

break;

}

}

}

if(count ==len/2)

cout<<"YES"<<endl;

else

cout<<"NO"<<endl;

}

return 0;

}

[V - SSeeeeiinngg DDoouubbllee](https://vjudge.net/problem/CodeForces-1758A)

[W - Compare T-Shirt Sizes](https://vjudge.net/problem/CodeForces-1741A)

#include <bits/stdc++.h>

using namespace std;

int main()

{

int t,s=1,m=2,l=3,sum1,sum2;

string str1,str2;

cin>>t;

while(t--){

cin>>str1>>str2;

sum1=0; sum2=0;

if(str1[str1.length()-1] == 'S'){

for(int i=str1.length()-1;i>=0;i--){

if(str1[i] == 'S')

sum1+=s;

else

sum1=sum1-1;

}

}

else if(str1[str1.length()-1] == 'L'){

for(int i=str1.length()-1;i>=0;i--){

if(str1[i] == 'L')

sum1+=l;

else

sum1=sum1+1;

}

}

else

sum1=sum1+m;

if(str2[str2.length()-1] == 'S'){

for(int i=str2.length()-1;i>=0;i--){

if(str2[i] == 'S')

sum2+=s;

else

sum2=sum2-1;

}

}

else if(str2[str2.length()-1] == 'L'){

for(int i=str2.length()-1;i>=0;i--){

if(str2[i] == 'L')

sum2+=l;

else

sum2=sum2+1;

}

}

else

sum2=sum2+m;

if(sum1 > sum2)

cout<<">"<<endl;

else if(sum1 < sum2)

cout<<"<"<<endl;

else

cout<<"="<<endl;

}

return 0;

}

[X - Decode String](https://vjudge.net/problem/CodeForces-1729B)

[Y - YES or YES?](https://vjudge.net/problem/CodeForces-1703A)

 #include <bits/stdc++.h>

using namespace std;

int main()

{

int t;

string str;

cin>>t;

while(t--){

cin>>str;

transform(str.begin(),str.end(),str.begin(),::toupper);

if(str == "YES")

cout<<"YES"<<endl;

else

cout<<"NO"<<endl;

}

return 0;

}