simon has given n numbers a1

#include <bits/stdc++.h>

using namespace std;

const int N=200000;

int n,k,x;

long long z=1,a[N+9],pr[N+9],Ans;

int main() {

cin>>n>>k>>x;

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

cin>>a[i];

pr[i]=pr[i-1]|a[i];}

while (k--) z\*=x;

long long sf=0;

for (int i=n;i>=1;i--) {

Ans=max(Ans,pr[i-1]|a[i]\*z|sf);

sf|=a[i];

}

cout<<Ans<<endl;

return 0;

}

**Nandanan's company employed n people.**

#include<bits/stdc++.h>

using namespace std;

#define ans cin>>ans[0];cin>>a>>b>>c;

#define f(n) for(int i=0;i<n;i++)

void solve(){}

int main(){

int n;cin>>n;

int a[n];f(n) cin>>a[i];

int M;cin>>M;

map<int,int> m;

while(M--){

int x,y,c;cin>>x>>y>>c;

if(m.find(y)==m.end())

m[y]=c;

else if(c<m[y])

m[y]=c;

}

if((int)m.size()==n-1){

long long int sum=0;

for(auto j : m){

sum+=j.second;

}

cout<<sum;

}

else cout<<-1;

}

**Devika is addicted to meat! malik wants to keep**

#include<iostream>

using namespace std;

#define f(n) for(n=n;n>0;--n)

int main()

{

int n,r=0,m=100,x,y;

cin>>n;

f(n){

cin>>x>>y;

if(y<m)

m=y;

r+=m\*x;

}

printf("%d",r);

}

**Students in a class are making towers of blocks.**

#include<iostream>

using namespace std;

int m, n, x;

int main()

{

cin>>n>>m;

x = 1;

while((x/2) < n || (x/3) < m || x/2 + x/3 - x/6 < m+n)

++x;

cout << x;

return 0;

}

**shiv has given a rebus of form ?+?**

#include <bits/stdc++.h>

using namespace std;

int p = 1, n, j, a[105];

char c;

int main()

{

a[j++] = 1;

while (cin>>c && c != '=')

{

if (c == '-') p--, a[j++] = -1;

if (c == '+') p++, a[j++] = 1;

}

cin>>n;

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

{

if(a[i]>0)while (p<n && a[i]<n) a[i]++, p++;

else while (p>n&&a[i]<0 && a[i]>-n) a[i]--, p--;

}

if (p != n) { cout << "Impossible\n"; return 0; }

cout << "Possible\n";

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

cout << (i ? (a[i]<0 ? "- " : "+ ") : "") << abs(a[i]) << " ";

cout << "= " << n;

}

**It's a very unfortunate day for lavanya today**

#include <bits/stdc++.h>

using namespace std;

#define res cin>>a[i],num+=a[i];

#define f1 for(int i=1;i<=n;i++)

double n,v,a[25],b[25],sum,mx=1e9;

int main(){

cin>>n>>v;

f1{

cin>>a[i];

sum+=a[i];

}

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

cin>>b[i];

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

mx=min(mx,b[i]/a[i]);

cout << fixed<<setprecision(1)<<min(mx\*sum,v);

return 0;

}

**A stealing got into a matches warehouse and wants to steal**

#include<bits/stdc++.h>

using namespace std;

#define res cin>>a>>b; cin>>s>>d;

int n,m,s,a,b,d[11];

int main(){

cin>>n>>m;

while(m--)cin>>a>>b,d[b]+=a;

for(int i=10;i>0&&n>0;i--)s+=i\*min(n,d[i]),n-=d[i];

cout<<s;

}

**A long time ago, in a galaxy far far away**

#include<bits/stdc++.h>

int a,i;

int main()

{std::string s,t;

std::cin>>s>>t;

for(i=s.find(t);i+1;++a,i=s.find(t,i+t.size()));std::cout<<a;}

**the spring is coming and it means that a lot**

#include<bits/stdc++.h>

using namespace std;

map <string,int> p;

int n,m,g[102],c[102],cnt;

string s;

int main()

{

cin>>n>>m;

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

cin>>g[i];

sort(g,g+n);

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

cin>>s;

if(!p[s])p[s]=++cnt;

c[p[s]]++;

}

sort(c+1,c+cnt+1);

int num=0;

for(int i=1;i<=cnt;i++)

num+=c[i]\*g[cnt-i];

cout<<num<<" ";

num=0;

for(int i=1;i<=cnt;i++)

num+=c[i]\*g[n-cnt+i-1];

cout<<num;

return 0;

}

**If There are n banks in the city where vishnu lives**

#include<bits/stdc++.h>

using namespace std;

#define maxs long long

map <maxs,maxs> a;

maxs i,n,k,x,p;

int main(){

cin>>n;

for(;i<n;i++)cin>>x,k+=x,a[k]++,p=max(p,a[k]);

cout<<n-p;

}