#include <fstream>

#include <string.h>

using namespace std;

#define ull unsigned long long

#define ll long long

ifstream cin("laugh.in");

ofstream cout("laugh.out");

int main()

{

 char a[100005];

 ull len, i, j, t=0,maxx=0;

 cin>>len>>a;

 if(a[0]=='h'||a[0]=='a'){t++;maxx++;}

 for(i=1;i<len;i++)

 {

 if((a[i]=='a'&&a[i-1]=='h')||(a[i]=='h'&&a[i-1]=='a'))

 {

 t++;

 }else if(a[i]=='a'||a[i]=='h')

 {

 t=1;

 }else

 {

 t=0;

 }

 maxx=max(maxx, t);

 }

 cout<<maxx<<"\n";

}

#include <fstream>

using namespace std;

#define ull unsigned long

#define ll long

ifstream cin("fractions.in");

ofstream cout("fractions.out");

class number

{

public:

 ull ch;

 ull zn;

 void nextNumber()

 {

 ch++;

 zn++;

 ull t, c=ch, z=zn;

 while (c!=0)

 {

 t=c;

 c=z%c;

 z=t;

 }

 ch/=z;

 zn/=z;

 }

 number()

 {

 cin>>ch>>zn;

 }

};

int main()

{

 number a,b;

 ull i=0;

 /\*if(a.zn\*b.ch<a.ch\*a.zn)

 {

 cout<<0<<"\n";

 return 0;

 }\*/

 while((a.ch!=b.ch)||(a.zn!=b.zn))

 {

 i++;

 if(i>1000000)

 {

 cout<<0<<"\n";

 return 0;

 }

 a.nextNumber();

 }

 cout<<i<<"\n";

}

#include <fstream>

using namespace std;

#define ull unsigned long long

#define ll long long

double abs(double a)

{

 return a<0?-a:a;

}

ifstream cin("maximum.in");

ofstream cout("maximum.out");

int main()

{

 int n, j, i, max2=0, maxn=1, minn=1;

 cin>>n;

 short m[200005];

 cin>>m[0];

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

 {

 cin>>m[i];

 }

 int ti=0, tj;

 for(tj=0;tj<n;tj++)

 {

 if((m[tj]==0)||(tj==n-1))

 {

 //1-i

 ll s2=abs(double(m[ti]))==2?1:0, z=m[ti]<0?1:0;

 for(i=ti+1;i<tj;i++)

 {

 if(abs(double(m[i]))==2?1:0)

 {

 s2++;

 }

 if(m[i]<0?1:0)

 {

 z++;

 }

 if((z%2==0)&&(max2<s2))

 {

 max2=s2;

 minn=ti+1; maxn=i+1;

 }

 }

 //i-n

 s2=abs(double(m[tj-1]))==2?1:0, z=m[tj-1]<0?1:0;

 for(i=tj-2;i>ti;i--)

 {

 if(abs(double(m[i]))==2?1:0)

 {

 s2++;

 }

 if(m[i]<0?1:0)

 {

 z++;

 }

 if((z%2==0)&&(max2<s2))

 {

 max2=s2;

 minn=i+1;

 if(m[tj]==0){maxn=tj/\*+1\*/;}else{maxn=tj+1;}

 }

 }

 ti=tj+1;

 }

 }

 if(max2==0)

 {

 int maxx=-3;

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

 {

 maxx=maxx>m[i]?maxx:m[i];

 }

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

 {

 if(m[i]==maxx)

 {

 cout<<i+1<<" "<<i+1<<"\n";

 return 0;

 }

 }

 }

 cout<<minn<<" "<<maxn<<"\n";

}

#include <fstream>

using namespace std;

#define ull unsigned long long

#define ll long long

ifstream cin("dream.in");

ofstream cout("dream.out");

int main()

{

 int n,m,x,y, step;

 ll s;

 cin>>n>>m>>x>>y;

 int xr,xl,yu,yd;

 xr=n-x;

 xl=x-1;

 yu=m-y;

 yd=y-1;

 if(min(min(xr,xl),min(yu,yd))<3)

 {

 step=1;

 s=0;

 while(1)

 {

 if(step%2==1)

 {

 s+=step;

 x+=step;

 if(x>n)

 {

 break;

 }

 s+=step;

 y-=step;

 if(y<1)

 {

 break;

 }

 }else

 {

 s+=step;

 x-=step;

 if(x<1)

 {

 break;

 }

 s+=step;

 y+=step;

 if(y>m)

 {

 break;

 }

 }

 step++;

 }

 }else

 {

 ll mm=min(min(xr,xl),min(yu,yd));

 mm-=2;

 ll ss=2\*mm+1;

 s=ss\*ss+1+ss;

 x+=mm+1; y+=mm - ss;

 step=ss+1;

 while(1)

 {

 if(step%2==1)

 {

 s+=step;

 x+=step;

 if(x>n)

 {

 break;

 }

 s+=step;

 y-=step;

 if(y<1)

 {

 break;

 }

 }else

 {

 s+=step;

 x-=step;

 if(x<1)

 {

 break;

 }

 s+=step;

 y+=step;

 if(y>m)

 {

 break;

 }

 }

 step++;

 }

 s--;

 }

 cout<<s<<"\n";

}

2 тур

А

#include <fstream>

#include <math.h>

#include <vector>

#include <algorithm>

using namespace std;

#define ull unsigned long long

#define ll long long

ifstream cin("number.in");

ofstream cout("number.out");

int main()

{

 ull a,b,c;

 cin>>a;

 for(b=0;a>1;b++)

 {

 a/=2;

 }

 for(c=1;b>0;b--)

 {

 c\*=2;

 }

 cout<<c<<"\n";

}

B

#include <fstream>

#include <string.h>

#include <vector>

#include <algorithm>

using namespace std;

#define ull unsigned long long

#define ll long long

ifstream cin("degree.in");

ofstream cout("degree.out");

int main()

{

 char a[100009];

 cin>>a;

 ull i,j,k,l,s=0;

 pair<pair<char, char>, pair<ull,ull>> pairs[35][35];

 for(i=0;i<='Z'-'A';i++)

 {

 for(j=0;j<='Z'-'A';j++)

 {

 pairs[i][j].first.first=i+'A';

 pairs[i][j].first.second=j+'A';

 pairs[i][j].second.first=0;

 pairs[i][j].second.second=0;

 }

 }

 for(i=1;a[i]!='\0';i++)

 {

 pairs[a[i-1]-'A'][a[i]-'A'].second.first++;

 }

 cin>>a;

 for(i=1;a[i]!='\0';i++)

 {

 if(pairs[a[i-1]-'A'][a[i]-'A'].second.second==0)

 {

 s+=pairs[a[i-1]-'A'][a[i]-'A'].second.first;

 pairs[a[i-1]-'A'][a[i]-'A'].second.second=1;

 }

 }

 cout<<s<<"\n";

}

C

#include <fstream>

using namespace std;

#define ull unsigned long long

#define ll long long

ifstream cin("candies.in");

ofstream cout("candies.out");

int max(int a, int b)

{

 return a>b?a:b;

}

struct number

{

 int n;

 int first;

 int last;

};

int main()

{

 int n,i,j,l,k,c,res=0;

 cin>>n;

 number a,b;

 cin>>a.n;

 a.first=0;

 a.last=0;

 b.n=-1;

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

 {

 cin>>c;

 if(c==a.n)

 {

 a.last=i;

 }else

 {

 b.n=c;

 b.first=i;

 b.last=i;

 break;

 }

 }

 if(i==n)

 {

 cout<<0<<"\n";

 return 0;

 }else if(i==n-1)

 {

 cout<<n<<"\n";

 return 0;

 }else

 {

 i++;

 for(;i<n;i++)

 {

 cin>>c;

 if(c==a.n)

 {

 a.last=i;

 }else if(c==b.n)

 {

 b.last=i;

 }else

 {

 res=max(res, max(max(a.last-b.first,b.last-a.first), max(a.last-a.first, b.last-b.first))+1);

 if(a.last>b.last)

 {

 a.first=b.last+1;

 b.n=c;

 b.first=i;

 b.last=i;

 }else

 {

 b.first=a.last+1;

 a.n=c;

 a.first=i;

 a.last=i;

 }

 }

 }

 res=max(res, max(max(a.last-b.first,b.last-a.first), max(a.last-a.first, b.last-b.first))+1);

 cout<<res<<"\n";

 return 0;

 }

}