**CS/IV/18-23**

#include<bits/stdc++.h>

void scan(int &number)

{

bool negative = false;

register int c;

number = 0;

c = getchar\_unlocked();

if (c=='-')

{

negative = true;

c = getchar\_unlocked();

}

for (; (c>47 && c<58); c=getchar\_unlocked())

number = number \*10 + c - 48;

if (negative)

number \*= -1;

}

class mathison

{

int \*arr,N,\*F,\*S,j;

public:

void getData();

void subarray();

friend void scan(int \*);

};

void mathison::getData()

{

int data;

j=0;

scan(N);

arr=new int[N]();

F=new int[N]();

S=new int[N]();

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

{

scan(data);

if(!F[data])

{

F[data]=i;

arr[j]=data;

++j;

}

else

S[data]=i;

}

}

void mathison::subarray()

{

int max=0;

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

{

if(max<S[arr[i]]-F[arr[i]]+1)

max=S[arr[i]]-F[arr[i]]+1;

}

printf("%d",max);

}

int main()

{

mathison M;

M.getData();

M.subarray();

return 0;

}