//shortest seek time disc scheduling

#include<stdio.h>

#include<stdlib.h>

int main()

{

int request[100],i,n,totalheadmoment=0,initial,count=0,min,distance,index;

printf("enter the number of request:");

scanf("%d",&n);

printf("enter the request sequence:");

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

{

scanf("%d",&request[i]);

}

printf("enter the initial head position:");

scanf("%d",&initial);

while(count!=n)

{

min=1000;

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

{

distance=abs(request[i]-initial);

if(min>distance)

{

min=distance;

index=i;

}

}

totalheadmoment=totalheadmoment+min;

initial=request[index];

request[index]=1000;

count++;

}

printf("total head moment=%d",totalheadmoment);

return 0;

}

Output:

