#include<stdio.h>

#include<stdlib.h>

int main()

{

int i,n;

printf("enter no.of requests: ");

scanf("%d",&n);

int requests[n];

printf("enter requests:");

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

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

}

int head;

printf("enter initial head position:");

scanf("%d",&head);

int seek\_time = 0;

seek\_time = abs(head-requests[0]);

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

seek\_time = seek\_time+abs(requests[i]-requests[i-1]);

}

printf("total seek\_time : %d\n",seek\_time);

return 0;

}

OUTPUT:

Enter the number of requests: 6

Enter the requests: 345

567

789

453

677

238

Enter the initial head position: 234

Total seek time: 1554

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Process exited after 20.69 seconds with return value 0

Press any key to continue . . .