SSTF

#include<stdio.h>

#include<stdlib.h>

int main()

{

int RQ[100], i, n, TotalHeadMoment = 0, initial, count = 0; printf("Enter the number of Requests\n"); scanf("%d", & n); printf("Enter the Requests sequence\n"); for (i = 0; i < n; i++) scanf("%d", & RQ[i]); printf("Enter initial head position\n"); scanf("%d", & initial); while (count != n)

{

int min = 1000, d, index; for (i = 0; i < n; i++)

{

d = abs(RQ[i] - initial);

if (min > d)

{

min = d; index = i;

}

}

TotalHeadMoment = TotalHeadMoment + min;

initial = RQ[index];

RQ[index] = 1000; count++;

}

printf("Total head movement is %d", TotalHeadMoment); return 0;

}