C – LOOK Disk Sceduling :

#include<stdio.h> #include<stdlib.h> int main() {

int RQ[100], i, j, n, TotalHeadMoment = 0, initial, size,

move; 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); printf("Enter total disk size\n"); scanf("%d", & size);

printf("Enter the head movement direction for high 1 and for low 0 \n");

scanf("%d", & move);

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

{ for (j = 0; j < n - i - 1; j++)

{

if (RQ[j] > RQ[j + 1])

{

int temp; temp = RQ[j]; RQ[j] = RQ[j + 1];

RQ[j + 1] = temp;

}

}

}

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

{ if (initial < RQ[i])

{

index = i; break;

}

}

if (move == 1)

{

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

{

TotalHeadMoment = TotalHeadMoment + abs(RQ[i] - initial); initial = RQ[i];

}

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

{

TotalHeadMoment = TotalHeadMoment + abs(RQ[i] - initial); initial = RQ[i];

}

}

else { for (i = index - 1; i >= 0; i--)

{

TotalHeadMoment = TotalHeadMoment + abs(RQ[i] - initial); initial = RQ[i];

}

for (i = n - 1; i >= index; i--)

{

TotalHeadMoment = TotalHeadMoment + abs(RQ[i] - initial); initial = RQ[i];

}

}

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

}