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Subject: operating system
Code: PBI 202.

```
#include <stdio.h>
#include <stdlib.h>
int main()
{
    int CRT[100], a, b, z, T.H.M = 0, ini, size, move;
    printf("Enter number of request\n");
    scanf("%d", &z);
    printf("Enter the requests sequence");
    scanf("%d", &z);
    for (a = 0; a < z; i++)
        scanf("%d", CRT[i]);
    printf("Enter initial head position");
    scanf("%d", &ini);
    printf("Enter total disk size");
    scanf("%d", &size);
    printf("Enter the head movement direction for 1  
and for low 0\n");
    scanf("%d", &move);
    for (a = 0; a < z; a++)
    {
        for (b = 0; b < z - i - 1; j++)
        {
            if (CRT[b] > CRT[b+1])
            {
                int temp;
                temp = CRT[b];
                CRT[b] = CRT[b+1];
                CRT[b+1] = temp;
            }
        }
    }
}
```


int index;

for (a = 0; a < 2; a++)

{ if (initial < RT[i])

{ index = i;

break;

}

}

if (move == 1)

{ for (a = index; a < 2; a++)

{

THM = THM + abs[size - RT[a] - 1]

init = size - 1

for (a = index - 1; a >= 0; a--)

{

THM = THM + abs[RT[a] - initial]

init = RT[a]

}

else

{ for (a = index - 1; a >= 0; a++)

{

THM = THM + abs[RT[a] - ini]

ini = RT[a];

}

THM = THM + abs[RT[a+1] - 0]

initial = 0;

Print ("Total head movement is %d", THM);

}

