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#include<stdio.h>
int main()
    int totalTrack,trackNo,i,j,trackSum=0,count=0,temp,a=0,next,min;
    float avghead;
    printf("Enter the Total number of tracks : ");
    scanf("%d",&totalTrack);
    printf("\nEnter the number of tracks in the queue : ");
    scanf("%d",&trackNo);
    int que[trackNo];
    printf("\nEnter the track values : ");
    for(i=0;i<trackNo;i++)</pre>
        scanf("%d",&que[i]);
    }
    printf("\nEnter the header pointer track : ");
    scanf("%d",&temp);
    for(i=0;i<trackNo;i++)</pre>
        if(temp>que[i])
            min=temp-que[i];
            next=i;
        }
        else
             min=que[i]-temp;
            next=i;
        for(j=i+1;j<trackNo;j++)</pre>
             if(temp-que[j]>0)
                 if(min>temp-que[j])
                     min=temp-que[j];
                     next=j;
                 }
             }
            else
                 if(min>que[j]-temp)
                     min=que[j]-temp;
                     next=j;
                 }
             }
        }
        if(que[next]-temp>0)
```

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trackSum=trackSum+que[next]-temp;
            printf("%d --> %d(%d) | ",temp,que[next],que[next]-
temp);
            temp=que[next];
            count++;
        }
        else if(que[next]-temp<0)</pre>
            trackSum=trackSum-que[next]+temp;
            printf("%d --> %d(%d) | ",temp,que[next],-que[next]
+temp);
            temp=que[next];
            count++;
        }
        else if(que[i]-temp==0)
            printf("%d -> %d(0) | ",temp,temp);
            count++;
        que[next]=que[a];
        a++;
    }
    printf("\nTotal sum of tracks : %d\n",trackSum);
    avghead=(float)trackSum/count;
    printf("\n>Average Head Movement = %.2f",avghead);
    return 0;
}
```