```
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COUSE - BSC IT A
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 #Includestations
  int absolute Value (int);
  Void main()
   Int queue[25], n, twadposition, i,j, K, sook=0, mausargs, difference, temp, queual[20], queual[20], templ=0, temp>=0; floot average sook time; floot average sook time;
    pointf(" Enter to maximum songe of dish: ");
     Scanf("1.d", & madange);
     pointf("Enter the number of quoue soquests:");
      scanf(" Y.d", 5m);
      pointf ("Entes the inital head position");
      Scarf (" Y.d", & treadposition);
pointf( Entro the dish positions to be seed (queue): ");
foo ( i=1; i <= 7; i+1)
           Escanf("1/d", $ temp);
if(temp> hood position)
                 quavoil tempi] = tempi
                   temp1 ++;
                  else
                    quoued[tomp2] -temp; temp;
                  foo(1=0; i < temp |-1; i+)
                    foo(j=1+13j<temp13j+1)
                      if (quevoici)> quoud[j])
                            temp=quow [[i];
                                                                Nihosipa.
                            90001 [1] = que 01 []]
                            queveres 5 - temps
```

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foo(ino, istempo-1; ita)
          foo(j-1+1;j2temp2;jt+)
             if (queum [1] cqueroz(j))
               temp=quounali);
quounali) = queurali);
quounali) = temp;
      for (1=1; j=0; j < temp1 ; i++ j++)
     quevolis = maxoarge;
foo (i= tempi+a, )= o; je tempa; i++j++)
          frenotij- franctij;
       queue [i] - 03
      foo (jo) jen jitton;
       difference = absolute value (quous[j+i]-queus[j]); seop = sook + difference;
     point ("Disk head mover from position") of to 1 d with snot /dh; quour [1], quour [1], d'frecerus
    a yongge seck Time = seck) (Floor) n;
pointf ( Total Seck Time - 7-dlp'seck);
pointf ( Floorage Seck Time - 7- An, avage seck Time)
Jent absolutevalue (int v)
5 of (x>0)
     Between X;
                                                               Mitwoildy
   eso
     rotuon x"-1;
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