

```

1  #include<stdio.h>
2  int main(){
3      int n=3,at[3]={0,1,2},bt[3]={5,4,3},temp[3],i=0,sum=0,y=3,quant=2
        ,wt=0,tat=0,count=0;
4      for(i=0;i<n;i++) temp[i]=bt[i];
5      printf("P BT TAT WT\n");
6      for(i=0;y!=0;){
7          if(temp[i]>0 && temp[i]<=quant){ sum+=temp[i]; temp[i]=0;
            count=1; }
8          else if(temp[i]>0){ temp[i]-=quant; sum+=quant; }
9          if(temp[i]==0 && count==1){
10             y--; printf("P%d %d %d %d\n",i+1,bt[i],sum-at[i],sum-at[i]
                -bt[i]);
11             wt+=sum-at[i]-bt[i]; tat+=sum-at[i]; count=0;
12         }
13         if(i==n-1) i=0; else if(at[i+1]<=sum) i++; else i=0;
14     }
15     printf("Avg WT=%.2f Avg TAT=%.2f\n",(float)wt/n,(float)tat/n);
16 }
17

```

```

P BT TAT WT
P2 4 9 5
P3 3 9 6
P1 5 12 7
Avg WT=6.00 Avg TAT=10.00

```

=== Code Execution Successful ===