```
1  #include <stdio.h>
2  int main() {
3      int n=3, at[]={0,1,2}, bt[]={5,3,8}, wt[3], tat[3], i,j,temp;
4      float avgwt=0,avgtat=0;
5      for(i=0;i<n-1;i++)
6          for(j=i+1;j<n;j++)
7              if(bt[i]>bt[j]){
8                  temp=bt[i]; bt[i]=bt[j]; bt[j]=temp;
9                  temp=at[i]; at[i]=at[j]; at[j]=temp;
10             }
11     wt[0]=0;
12     for(i=1;i<n;i++) wt[i]=wt[i-1]+bt[i-1]- (at[i]-at[i-1]);
13     for(i=0;i<n;i++){ tat[i]=wt[i]+bt[i]; avgwt+=wt[i]; avgtat+=tat[i]
           ; }
14     printf("P\tAT\tBT\tWT\tTAT\n");
15     for(i=0;i<n;i++) printf("P%d\t%d\t%d\t%d\t%d\n",i+1,at[i],bt[i]
           ,wt[i],tat[i]);
16     printf("\nAvg WT=%.2f\nAvg TAT=%.2f\n",avgwt/n,avgtat/n);
17 }
```

```
P    AT  BT  WT  TAT
P1   1   3   0   3
P2   0   5   4   9
P3   2   8   7   15

Avg WT=3.67
Avg TAT=9.00


=== Code Execution Successful ===
```