```c
#include <stdio.h>
int main() {
    int at[10], bt[10], pr[10];
    int n, i, j, temp, time = 0, count, over = 0;
    int sum_wait = 0, sum_turnaround = 0, start;
    float avgwait, avgturn;
    printf("Enter the number of processes: ");
    scanf("%d", &n);
    for (i = 0; i < n; i++) {
        printf("Enter the arrival time and burst time for process %d: ", i + 1);
        scanf("%d%d", &at[i], &bt[i]);
        pr[i] = i + 1;
    }
    for (i = 0; i < n - 1; i++) {
        for (j = i + 1; j < n; j++) {
            if (at[i] > at[j]) {
                temp = at[i]; at[i] = at[j]; at[j] = temp;
                temp = bt[i]; bt[i] = bt[j]; bt[j] = temp;
                temp = pr[i]; pr[i] = pr[j]; pr[j] = temp;
            }
        }
    }
    printf("\n\nProcess\t| Arrival\t| Burst\t| Start\t| End\t| Waiting\t| Turnaround\n\n");
    while (over < n) {
        count = 0;
        for (i = over; i < n; i++) {
            if (at[i] <= time)
                count++;
            else
                break;
        }
```

```c
    if (count > 1) {
        for (i = over; i < over + count - 1; i++) {
            for (j = i + 1; j < over + count; j++) {
                if (bt[i] > bt[j]) {
                    temp = bt[i]; bt[i] = bt[j]; bt[j] = temp;
                    temp = at[i]; at[i] = at[j]; at[j] = temp;
                    temp = pr[i]; pr[i] = pr[j]; pr[j] = temp;
                }
            }
        }
    }
    start = time;
    time += bt[over];
    printf("P[%d]\t|\t%d\t|\t%d\t|\t%d\t|\t%d\t|\t%d\t\t|\t%d\n",
           pr[over], at[over], bt[over], start, time,
           time - at[over] - bt[over],
           time - at[over]);
    sum_wait += time - at[over] - bt[over];
    sum_turnaround += time - at[over];
    over++;
}
avgwait = (float) sum_wait / n;
avgturn = (float) sum_turnaround / n;
printf("\nAverage Waiting Time    = %.2f", avgwait);
printf("\nAverage Turnaround Time= %.2f\n", avgturn);
return 0;
}
```

```
Enter the number of processes: 3
Enter the arrival time and burst time for process 1: 0
5
Enter the arrival time and burst time for process 2: 1
3
Enter the arrival time and burst time for process 3: 2
8


Process | Arrival       | Burst | Start | End   | Waiting       | Turnaround

P[1]    |       0       |       5       |       0       |       5       |       0                       |       5
P[2]    |       1       |       3       |       5       |       8       |       4                       |       7
P[3]    |       2       |       8       |       8       |       16      |       6                       |       14

Average Waiting Time   = 3.33
Average Turnaround Time= 8.67
```