(37).

#include <stdio.h>

void findWaitingTime(int processes[], int n, int bt[], int wt[]) {

wt[0] = 0;

for (int i = 1; i < n; i++)

wt[i] = bt[i - 1] + wt[i - 1];

}

void findTurnAroundTime(int processes[], int n, int bt[], int wt[], int tat[]) {

for (int i = 0; i < n; i++)

tat[i] = bt[i] + wt[i];

}

void findavgTime(int processes[], int n, int bt[]) {

int wt[n], tat[n];

findWaitingTime(processes, n, bt, wt);

findTurnAroundTime(processes, n, bt, wt, tat);

float total\_wt = 0, total\_tat = 0;

for (int i = 0; i < n; i++) {

total\_wt += wt[i];

total\_tat += tat[i];

}

printf("Average waiting time: %.2f\n", total\_wt / n);

printf("Average turnaround time: %.2f\n", total\_tat / n);

}

int main() {

int processes[] = { 1, 2, 3};

int n = sizeof(processes) / sizeof(processes[0]);

int burst\_time[] = { 10, 5, 8 };

findavgTime(processes, n, burst\_time);

return 0;

}

