#include<stdio.h>

#include<conio.h>

#define max 30

void main()

{

int i,j,n,bt[max],at[max],wt[max],tat[max],temp[max];

float awt=0,atat=0;

printf("Enter the no of process");

scanf("%d",&n);

printf("Enter the arrival time of the process");

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

scanf("%d",&at[i]);

printf("Enter the burst time of process");

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

scanf("%d",&bt[i]);

temp[0]=0;

printf("\nprocess\t arrival time\t burst time\t waiting time\t turn around time\n");

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

{

wt[i]=0;

tat[i]=0;

temp[i+1]=temp[i]+bt[i];

wt[i]=temp[i]-at[i];

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

awt=awt+wt[i];

atat=atat+tat[i];

printf("\np%d\t\t%d\t\t%d\t\t%d\t\t%d\n",i+1,at[i],bt[i],wt[i],tat[i]);

}

awt=awt/n;

atat=atat/n;

printf("average waiting time =%f\n",awt);

printf("average turn around time =%f",atat);

getch();

}

