```
//RRS

import java.util.*;
public class RRS
{
    public static void main(String args[])
    {
        int n,i,qt,count=0,temp,sq=0,bt[],wt[],tat[],rem_bt[],at[];
        float awt=0,atat=0;
        at = new int [10];
        bt = new int[10];
        wt = new int[10];
        tat = new int[10];
        rem_bt = new int[10];
        Scanner s=new Scanner(System.in);
        System.out.print("Enter the number of process = ");
        n = s.nextInt();

        System.out.print("Enter the Arrival time of the process\n");
        for (i=0;i<n;i++)
        {
            System.out.print("P"+i+" = ");
            at[i] = s.nextInt();

        }

        System.out.print("Enter the burst time of the process\n");
        for (i=0;i<n;i++)
        {
            System.out.print("P"+i+" = ");
            bt[i] = s.nextInt();
            rem_bt[i] = bt[i];
        }
        System.out.print("Enter the quantum time: ");
        qt = s.nextInt();
        while(true)
        {
            for (i=0,count=0;i<n;i++)
            {
                temp = qt;
                if(rem_bt[i] == 0)
                {
                    count++;
                    continue;
                }
                if(rem_bt[i]>qt)
                    rem_bt[i]= rem_bt[i] - qt;
                else
                if(rem_bt[i]>=0)
                {
                    temp = rem_bt[i];
                    rem_bt[i] = 0;
                }
                sq = sq + temp;
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                tat[i] = sq;
            }
            if(n == count)
                break;
        }

        System.out.print("\nPn   AT     BT     TAT      WT");

        for(i=0;i<n;i++)
        {
            wt[i]=tat[i]-bt[i];
            awt=awt+wt[i];
            atat=atat+tat[i];
            System.out.print("\n "+(i+1)+"\t "+at[i]+" \t\t"+bt[i]+"\t\t
"+tat[i]+" \t\t "+wt[i]+"\n");
        }
        awt=awt/n;
        atat=atat/n;
        System.out.println("\nAverage waiting Time = "+awt+"\n");
        System.out.println("Average turnaround time = "+atat);
    }
}

/*
 OUTPUT-
Enter the number of process = 4
Enter the Arrival time of the process
P0 = 0
P1 = 1
P2 = 2
P3 = 4
Enter the burst time of the process
P0 = 5
P1 = 4
P2 = 2
P3 = 1
Enter the quantum time: 2

Pn   AT     BT     TAT      WT
 1     0          5           12           7
 2     1          4          11            7
 3     2          2            6           4
 4     4          1            7           6

Average waiting Time = 6.0
Average turnaround time = 9.0

 */
```