# Topic 8: 8. Construct a C program to simulate Round Robin scheduling algorithm with C.

#include <stdio.h>  
  
int main() {  
 int i, n, time = 0, remain, tq;  
 int at[10], bt[10], rt[10];  
 scanf("%d", &n);  
 remain = n;  
 for (i = 0; i < n; i++) {  
 scanf("%d%d", &at[i], &bt[i]);  
 rt[i] = bt[i];  
 }  
 scanf("%d", &tq);  
 while (remain != 0) {  
 for (i = 0; i < n; i++) {  
 if (rt[i] > 0) {  
 if (rt[i] <= tq) {  
 time += rt[i];  
 rt[i] = 0;  
 remain--;  
 } else {  
 rt[i] -= tq;  
 time += tq;  
 }  
 }  
 }  
 }  
 return 0;  
}