Swait (S1,S2,....,Sn)

{

while(TRUE)

{ if(Si>=t1&&....&&Si>=tn)

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

Si=Si-di;

break;

}

else {

place the process in the waiting queue

associated with the first Si found with Si<ti,

and set the program count of this process to

the beginning of Swait operation.}}}

Ssignal (S1,S2,....,Sn)

{

while(TRUE)

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

{ Si=Si+di;

Remove all the process waiting in the queue

associated with Si into the ready queue.}}}