Swait(S1,d1,t1,...,Sn,dn,tn)

{

while(TRUE)

{

if(S1>t1&&S2>t2...&&Sn>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,d1,...,Sn,dn)

{

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

}

}

}