Console


```
--> arrival=[0,1,3,4,6,7]        //arrival time of processes
 arrival  =

   0.  1.  3.  4.  6.  7.

--> service_time=[3,2,4,7,5,6]     //service time for processes
 service_time  =

   3.  2.  4.  7.  5.  6.

--> finishing_time=[0,0,0,0,0,0]    //finnishing time of processes
 finishing_time  =

   0.  0.  0.  0.  0.  0.

--> waiting_time=[0,0,0,0,0,0]     //waiting time for each process
 waiting_time  =

   0.  0.  0.  0.  0.  0.

--> serv1=0                // time till server1 is busy
 serv1  =

   0.

--> serv2=0                // time till server2 is busy
 serv2  =

   0.

--> for i=1:6
 >           t=arrival(i)                 // current time
 >           if serv1<=arrival(i) then        // if server1 is free   zero waiting time
 >           serv1=t+service_time(i)
 >       finishing_time(i)=serv1
 >    else if serv2<=arrival(i) then      // if server2 is free   zero waiting time
 >           serv2=t+service_time(i)
 >       finishing_time(i)=serv2
 >    else                      // if both are busy then we will check which one will get free
 >           if serv1<=serv2 then
 >           waiting_time(i)=serv1-arrival(i)        //waiting time acc to serv availability (for
how much time server is busy)
 >           serv1=serv1+service_time(i)
```

```
>           finishing_time(i)=serv1
>       else
>           waiting_time(i)=serv2-arrival(i)
>             serv2=serv2+service_time(i)
>           finishing_time(i)=serv2
>       end
>   end
>
> end
> end
```

t =

 0.

serv1 =

 3.

finishing_time =

 3. 0. 0. 0. 0. 0.

t =

 1.

serv2 =

 3.

finishing_time =

 3. 3. 0. 0. 0. 0.

t =

 3.

serv1 =

 7.

finishing_time =

 3. 3. 7. 0. 0. 0.

t =

 4.

serv2 =

 11.

finishing_time =

 3. 3. 7. 11. 0. 0.

```
t  =

  6.
waiting_time  =

  0.  0.  0.  0.  1.  0.
serv1  =

  12.
finishing_time  =

  3.  3.  7.  11.  12.  0.
t  =

  7.
waiting_time  =

  0.  0.  0.  0.  1.  4.
serv2  =

  17.
finishing_time  =

  3.  3.  7.  11.  12.  17.

--> disp("finishing time:")

  "finishing time:"

--> disp(finishing_time)

  3.  3.  7.  11.  12.  17.

--> disp("waiting time :")

  "waiting time :"

--> disp(waiting_time)

  0.  0.  0.  0.  1.  4.
```