

Console

Startup execution:

loading initial environment

--> //2 3 1 1 1 1 2 arrival time

--> //0 6 7 11 14 20 25 burst time

--> //a(1, 1)

--> a = [0 ,2;

> 6 ,3;

> 7 ,1;

> 11 ,1;

> 14 ,1;

> 20 ,1;

> 25 ,2]

a =

0. 2.

6. 3.

7. 1.

11. 1.

14. 1.

20. 1.

25. 2.

--> wait = [0, 0, 0, 0, 0, 0, 0]

wait =

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

--> idle = [0, 0, 0, 0, 0, 0, 0]

idle =

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

--> se = [0, 0, 0, 0, 0, 0, 0] //service end

se =

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

--> cur_ser = 0;

```

--> for i = 1 : 7
>     at = a(i, 1)
>     bt = a(i, 2)
>     if(cur_ser > at)           then
>         wait(i) = cur_ser - at
>     else
>         cur_ser = at
>     end
>
>     cur_ser = cur_ser + bt
>
>     se(i) = cur_ser
>
>     if(i < 7)                 then
>         if(a(i+1, 1) > cur_ser) then
>             idle(i) = a(i+1, 1) - cur_ser
>         end
>     end
> end

```

at =

0.

bt =

2.

cur_ser =

0.

cur_ser =

2.

se =

2. 0. 0. 0. 0. 0. 0.

idle =

4. 0. 0. 0. 0. 0. 0.

at =

6.

bt =

3.

cur_ser =

6.
cur_ser =

9.
se =

2. 9. 0. 0. 0. 0. 0.
at =

7.
bt =

1.
wait =

0. 0. 2. 0. 0. 0. 0.
cur_ser =

10.
se =

2. 9. 10. 0. 0. 0. 0.
idle =

4. 0. 1. 0. 0. 0. 0.
at =

11.
bt =

1.
cur_ser =

11.
cur_ser =

12.
se =

2. 9. 10. 12. 0. 0. 0.
idle =

4. 0. 1. 2. 0. 0. 0.
at =

14.

bt =

1.
cur_ser =

14.
cur_ser =

15.
se =

2. 9. 10. 12. 15. 0. 0.
idle =

4. 0. 1. 2. 5. 0. 0.
at =

20.
bt =

1.
cur_ser =

20.
cur_ser =

21.
se =

2. 9. 10. 12. 15. 21. 0.
idle =

4. 0. 1. 2. 5. 4. 0.
at =

25.
bt =

2.
cur_ser =

25.
cur_ser =

27.
se =

2. 9. 10. 12. 15. 21. 27.

-->

--> disp("Wait ")

"Wait "

--> for (i = 1:7) disp(wait(i)) end

0.

0.

2.

0.

0.

0.

0.

-->

--> disp("Service Time ")

"Service Time "

--> for (i = 1:7) disp(se(i)) end

2.

9.

10.

12.

15.

21.

27.

-->

--> disp("Idle Time ")

"Idle Time "

--> for (i = 1:7) disp(idle(i)) end

4.

0.

1.

2.

5.

4.

0.