SJF

preemptive

non-preemptive

ms

тл

AT BT WT

TT

RT

o

8

8

~P2

1 4 18-1=7

12-1= | |

7

P3

29 14-2=15|26-2=2415

OT=(TT)-BT

~P4 3

35

12-3=9 / 17-3=

149

non-

preemptive -SJF hautt chart

P1(8

)

p2 (4） P4

(5)

P3 (9)

8

12

17

Avg. WT =

(0+7+15+9)/4 =7.75

ms

Avg. TT =

(8+11+24+14)/4

=14.25ms

AT- Arrival

Time

BT- Burst time

WT

waiting time

TT = Turnaround time

RT- Response time

SJF -

preemptive

VP

,

v

P2

P2

VP4

पै

ATBTTT

ATI

WT= TT-BT

WT

RT

◦

8 (7) 17-0=17

9

0

14

5-1=4

14-4=0

1-1=*0*

2

9

15

من

26-2=24/24-9=75

5 10-3=77-5=2

P1 (1) P2 (4) Pu

(5)

P1

(7)

P3 *(9)*

5

10

17

26

Avg waiting time (WT) =

(9+0+15+2)/4

= 6.5ms

Avg. TT = (17+4+24+7)/4 = 13ms

=

P3

✓P4

P5

AT BT

TT

WT

7

7-0=7

UT f f w

2

d ন

10-3=7

72=5

3

13-4=9

93=6

1

8-4=4 14-1=3

3

16-5=11 |11-3=8

|11

–

SJF
(non-preemptive)

RI

و

اس wa له

P1 (7)

P4 (1)

P2(2)

P3 (3) Ps

(3:

o

7

8

10

13

* In SJF, if multiple processes in ready quere have some cpu burst, the those processes are scheduled using

FCFS Ang

WT =

cpo

(5

•

5+6+3+8)/5=4.4ms

Av8 TT =

(7+7+9+4+1)/5

= 5.6ms

SJF

(preemptive)

LAT | BTTT

ЮТ

RT

P

O

チ

16-0=16

16-7=9

o

P2

من

2

5-3=2

。

o

✓P3 4

3

9-4=5

2

2

✓

Pu 14

1

6-4=2

1

vps 15

3

12-5=7

4

4

P, (3) P2 (2) P4 (1) Ps (3) P5

(3) P, (4)

3

0

5

6

9

12

16

Avg WT =

(9+0+2+1+4) / 2 = 8ms

Aug TT =

(16+2+5+2+7)/2 =

16ms