OS TUTORIAL: Scheduling Algorithm

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<u>CS-A</u>

Q1	******	priva	Berst	1201	Burst	1/0
	Po	0	to	2	7	1
	P	0	20	4	14	2
	12	б	30	6	21	3

	we	Po	Po	Po	11	P2	idie	
9		2	4	6	1	23 4	4 4	7

After 4, P_0P_1 , $P_0 < P_1$ After 6, P_1P_2 , $P_0 < P_1, P_2$ After 9, P_1P_2 , $P_1 < P_2$ (9 + 14 = 23)

After 23, P_2 (23 + 21) = 44

After 44, take for 3 units as P_2 takes max V_0 time.

02	Process	AT	87	Priority			ud. I	65		
	Ą	0	3	2						
	В	1 40 10	5	1,		n				
	c	3	2	8						
	D	9	5	4						
	E	12_	5	4		-				
							1			
1.	SJF =	Preemot	ve.	1 8		1				
		1				AT Proce	no BT			
	A).	A C B	BD	DE		O A'		< 0		
	0 1	35.	9.10.	12, 15 2	8	1 4 B				
						3 C	20			
	At 0, 0	At 0, only A arrives ' 1 1 g D \$ 30								
	At 1, A	At 1, A, B are there, A < B 12 E \$0								
		At 3, B, C are there, C < B								
	At 5, 0	my B			P	Compl	TAT	พา		
	Ab 9, 8	, D are	overe,	BLD	A	3	3	0		
	At 10,	only D			В	10	9	.4		
	At 12,		D LE		C	5	٤	0		
	At (5, E				D	15	6	1		
4 7. 1	· ,·• •;•		0 8	(* ;	E	20	8	3	-6	
2	SIF -	Non Pree	mptive	,						
	there the				as	per their 1	eurst t	ime i	with the	
	I .	red-proce	,							
			Ö	0		1	J			
	A	CB	D,	E		A	arrive	s first	, so it	
	0 3	, 5	10 15	20			starts	exelu	whon.	
	P Comp	1 TAT	14	Į		Β,	c are	then	e, ceB	
	A 3	3	0	Ċ		All the	others	anive	accordingly	
	8 10	9	4	(+	ger ex	cente	ed at	
	c 5	2	8				Chic	۷,	ed at	
	D IS	6	1							
	E 20	8	3							
		1	1	I						

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Date	<

2	Round	001-5.	TC -	12
3.	(K.Dunno	Robin	132	-

1			The second secon	•			
TTC = 0	Process	AT	ВТ	Completion	TAT	WT	RT
100-2	Δ	0	2 10	5	5	2	0
	R		\$310	12_	11	6	1
		3	20'	7	4	2	2
	0	9	68 X O	17	8	3	0
	E	12	\$ \$ 0	20	8	3	2
			, ,				

TS = 2

Queine D 2 4 5 7 3 11 12 14 16 17 20

Ts = 1-

Ready

Queue 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 11

+

1

[E]F]

-			27	Completion	TAT.	WT	RT
Ts=1	Brocess	1 4 7	101	Compact	6	3	0
1,4	A	0	3	11 4	GI	5	Ó
	В		,	8	5	3	A \
	С	9	<	19	9	4	.0
	D	<u> </u>	5	10	8	3	0
	E	12_		20			

4. Priority = Priceryptive

			(CT-AT)	CT-AT) (TAT-OT)				
	Process	AT	BT	Priority	Completion	1	WT	
	A	٥	820	1,2	8	8	5	
	8	1 ,	40	1.	6	5	0	
	_	3	20	3	10	7	5	
	۵	9	5	4	15	6	ı	
	E	12_	5	4	20	8	3	
-								

1	A	В	B	A	c	D	E	
٥	ı	3	کی ر	8	1	0 1	5 2	٥

5. Priority = Non-Preemptive

Process	AT	BT	Priority	Constation	TAT	WT	
Α	0	3	2	3	3	0	
g	1	5)	8	7	2	
C	3	2	3	ю	7	5	
D	9	5	4	IS	6	ı	
E	12	5	4	10	8	3	1

1	A	В	0	D	E	
0	3	3 8	3 1	0	5	20