

No Overhead Time

First Come First Serve

READY P1 P2 P3 P4	1-15	1-4		1-4	1-37		1-37	1-30	
Proc	P1	P2	NONE	P3	P4	NONE	P4	P2	NONE
Start	0	15	19	27	31	68	168	205	235
End	15	19	27	31	68	168	205	235	285
WAIT P1 P2 P3 P4		415	415 169	415 169	415 169 431	415 169 431 168	415 169 431	415 431 305	415 285 431 305

READY P1 P2 P3 P4				1-18		3-15 1-15	2-15	1-15	
	1-90				1-810				
		1-37				2-37	1-37	2-376	1-376
Proc	P2	P4	NONE	P1	P3	P2	P4	P1	P3
Start	285	375	412	415	433	1243	1258	1295	1310
End	375	412	415	433	1243	1258	1295	1310	1686
WAIT P1 P2 P3 P4	415	415 450	415 450	450 431	633 450 512				1410
	431	431	431	431		1273	1273	1395	1395
	305		512	512	512				

READY P1 P2 P3 P4	2-15	1-15		2-25	1-25			1-240	
			1-652						
	1-37			1-37			1-37		
Proc	P4	P1	P3	P4	P1	NONE	P4	P1	
Start	1686	1723	1738	2390	2427	2452	2527	2564	
End	1723	1738	2390	2427	2452	2527	2564	2804	
WAIT P1 P2 P3 P4			2138			2552	2552		
	1731	1731			2527	2527			
		1823	1823						

cpu waste (no job in CPU) = 8 + 100 + 50 + 3 + 75 = 236

p1 arrival = 0 end = 2804 ta = 2804

p2 arrival = 12 end = 1258 ta = 1246

p3 arrival = 27 end = 2390 ta = 2363

p4 arrival = 28 end = 2564 ta = 2836

No Overhead Time

Shortest Job First

READY P1 P2 P3 P4	1-15	1-4		1-4	1-37		1-37	1-30	
Proc	p1	p2	none	p3	p4	none	p4	p2	none
Start	0	15	19	27	31	68	168	205	235
End	15	19	27	31	68	168	205	235	285
WAIT P1 P2 P3 P4		415	415 169	415 169	415 169 431	415 169 431 168	415 169 431	415 431 305	415 285 431 305

READY P1 P2 P3 P4	1-90			1-18		2-15 1-15	1-15		
		1-37			1-810	3-37	2-376 1-37	1-376	
Proc	p2	p4	none	p1	p3	p2	p1	p4	p3
Start	285	375	412	415	433	1243	1258	1273	1310
End	375	412	415	433	1243	1258	1273	1310	1686
WAIT P1 P2 P3 P4	415	415 450	415 450	450 431	633 450 512		1373	1373	1410

READY P1 P2 P3 P4	1-15			1-25			1-240		
			1-652						
Proc	p1	p4	p3	p1	p4	none	p1	p4	
Start	1686	1701	1738	2390	2415	2452	2515	2755	
End	1701	1738	2390	2415	2452	2515	2755	2792	
WAIT P1 P2 P3 P4		2101	2101		2515	2515			

cpu waste (no job in CPU) = 8 + 100 + 50 + 3 + 63 = 224

p1 arrival = 0 end = 2755 ta = 2755

p2 arrival = 12 end = 1258 ta = 1246

p3 arrival = 27 end = 2390 ta = 2363

p4 arrival = 28 end = 2792 ta = 2764

No Overhead Time

Round Robin 100

READY P1 P2 P3 P4	1-15	1-4		1-4	1-37		1-37	1-30	
Proc	p1	p2	none	p3	p4	none	p4	p2	none
Start	0	15	19	27	31	68	168	205	235
End	15	19	27	31	68	168	205	235	285
WAIT P1 P2 P3 P4		415	415 169	415 169	415 169 431	415 169 431 168	415 169 431	415 431 305	415 285 431 305

READY P1 P2 P3 P4	1-90			1-18		1-15 3-710 2-37			1-15
Proc	p2	p4	none	p1	p3	p2	p4	p3	p1
Start	285	375	412	415	433	533	548	585	685
End	375	412	415	433	533	548	585	685	700
WAIT P1 P2 P3 P4	415	415 450	415 450	450 431	633 450	633	633	633	685

next page

No Overhead Time

READY			1-15						
P1									
P2									
P3	2-610	1-610	3-510	2-510	1-510	2-410	1-410	1-310	1-210
P4	1-37		2-37	1-37		1-37			
Proc	p4	p3	p1	p4	p3	p4	p3	p3	p3
Start	700	737	837	852	889	989	1026	1126	1226
End	737	837	852	889	989	1026	1126	1226	1326
WAIT									
P1	800	800		1252	1252	1252	1252	1252	1252
P2									
P3									
P4		837			989				

READY		???							
P1	1-25		2-240	1-240					
P2									
P3	2-110	1-110	1-10		1-376	1-276	1-176	1-76	
P4									
Proc	p1	p3	p3	p1	p3	p3	p3	p3	none
Start	1326	1351	1451	1461	1701	1801	1901	2001	2077
End	1351	1451	1461	1701	1801	1901	2001	2077	2122
WAIT									
P1		1451							
P2									
P3				1491					2122
P4									

READY									
P1									
P2									
P3	1-652	1-552	1-452	1-352	1-252	1-152	1-52		
P4									
Proc	p3	p3	p3	p3	p3	p3	p3		
Start	2122	2222	2322	2422	2522	2622	2722		
End	2222	2322	2422	2522	2622	2722	2774		
WAIT									
P1									
P2									
P3									
P4									

cpu waste (no job in CPU) = 8 + 100 + 50 + 3 + 63 = 224

p1 arrival = 0 end = 1701 ta = 1701

p2 arrival = 12 end = 548 ta = 536

p3 arrival = 27 end = 2774 ta = 2747

p4 arrival = 28 end = 1026 ta = 998