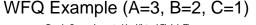


Weighted Fair Queuing · Uses 'per process' virtual time · Increments process's virtual time by a "stride" after each quantum, which is defined as (process_share)⁻¹ Choose process with lowest virtual finishing time - 'virtual finishing time' is virtual time + stride Also known as stride scheduling Linux now implements a variant of WFQ/Stride Scheduling as its "CFS" completely fair scheduler Virginia II Tech 9



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Ready Queue is sorted by Virtual Finish Time

Time	Task A	Task B	Task C	Ready Queue	Who Runs	
0	1/3	1/2	1	A (1/3) B (1/2) C (1)	A	One scheduling epoch. A ran 3 out of 6 quanta, B 2 out of 6. C 1 out of 6. This process will repeat, yielding proportional fairness.
1	2/3	1/2	1	B (1/2) A (2/3) C (1)	В	
2	2/3	1	1	A (2/3) C(1) B(1)	A	
3	1	1	1	C(1) B(1) A(1)	с	
4	1	1	2	B(1) A(1) C(2)	В	
5	1	3/2	2	A(1) B(3/2) C(2)	А	
6	4/3	3/2	2	A (4/3) B(3/2) C(2)		
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