UPPSALA UNIVERSITY
DEPARTMENT OF INFORMATION TECHNOLOGY

COMPUTER SYSTEMS/OPERATING SYSTEMS
Fall, 2007

IN-CLASS EXERCISE 8

Consider the following set of processes:

Process Name	Arrival Time	Processing Time
A	0	3
B	1	5
C	3	2
D	9	5
E	12	5

Fill in the following table show that it shows which process will be executing during each time interval using the indicated scheduling policies.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
FCFS																					
RR, q=1																					
RR, q=4																					
SPN																					
SRT																					
HRRN																					
Feedback, q=1																					
Feedback, $q=2^i$																					

Fill in the following table with the indicated measurement statistics for each process under the indicated scheduling policy.

	Process	A	B	C	D	E	
	Arrival Time	0	1	3	9	12	
	Service Time (T_s)	3	5	2	5	5	Mean
FCFS	Finish Time						
	Turnaround Time (T_r)						
	T_r/T_s						
RR q=1	Finish Time						
	Turnaround Time (T_r)						
	T_r/T_s						
RR q=4	Finish Time						
	Turnaround Time (T_r)						
	T_r/T_s						
SPN	Finish Time						
	Turnaround Time (T_r)						
	T_r/T_s						
SRT	Finish Time						
	Turnaround Time (T_r)						
	T_r/T_s						
HRRN	Finish Time						
	Turnaround Time (T_r)						
	T_r/T_s						
Feedback q=1	Finish Time						
	Turnaround Time (T_r)						
	T_r/T_s						
Feedback q=2^i	Finish Time						
	Turnaround Time (T_r)						
	T_r/T_s						