

Operating Systems. Homework 8. Due Date 25/05/2018

1- Consider the following set of processes:

Process	Arrival Time	Processing Time
A	0	8
B	1	6
C	3	2
D	5	5

Find the average response, wait and turnaround times of the processes in FCFS, Round Robin (with $Q=2$), SPN and SRT algorithms.

2- Assume that the context switching time of a system is 2 ms. what value must be selected for quantum time in Round Robin algorithm to achieve the 99% CPU efficiency in this system?