Operating Systems

Homework 7. Due Date (31.05.2019)

1- Consider the following sequence of page references 8, 5, 1, 8, 2, 5, 1, 4, 2, 3, 5, 3, 2, 8, 4. Assume that the memory has 3 frames which initially are free. What is the number of page faults using each of the following algorithms?

a. FIFO
b. LRU
c. Clock
d. Optimal

2- Consider the following set of processes:

Process	Arrival Time	Service Time
A	0	10
B	1	8
C	3	3
D	5	6

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