Demand paging problems (page replacement algorithms):

1. For the following reference string apply the FIFO page replacement algorithm.

- Option 1 -	according to	Week 6 -	Textbook	Readings
- Option 1 -	according to	WCCK U -	ICALUUUK	ixcaumgs.

Reference string	2	4	5	6	1	5	3	4	5	2	3	6	5	3	4	7	3	5	6
Physical frame 0	2	2	2	2															
Physical frame 1		4	4	4															
Physical frame 2			5	5															
Physical frame 3				6															
Page faults	F	F	F	F															
Victim frames																			

OR

- Option 2 - according to Week 6 - Module Readings

Reference string	2	4	5	6	1	5	3	4	5	2	3	6	5	3	4	7	3	5	6
Physical frame 0	2	4	5	6															
Physical frame 1		2	4	5															
Physical frame 2			2	4															
Physical frame 3				2															
Page faults	F	F	F	F															
Victim frames																			

2. For the following reference string apply the OPT page replacement algorithm.

Reference string	2	4	5	6	1	5	3	4	5	2	3	6	5	3	4	7	3	5	6
Physical frame 0	2	2	2	2															
Physical frame 1		4	4	4															
Physical frame 2			5	5															
Physical frame 3				6															
Page faults	F	F	F	F															
Victim frames																			

3. For the following reference string apply the LRU page replacement algorithm.

Reference string	2	4	5	6	1	5	3	4	5	2	3	6	5	3	4	7	3	5	6
Physical frame 0	2	2	2	2															
Physical frame 1		4	4	4															
Physical frame 2			5	5															
Physical frame 3				6															
Page faults	F	F	F	F															
Victim frames																			

4. For the following reference string apply the LFU page replacement algorithm.

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Reference string	2	4	5	6	1	5	3	4	5	2	3	6	5	3	4	7	3	5	6
Physical frame 0	2	2	2	2															
Physical frame 1		4	4	4															
Physical frame 2			5	5															
Physical frame 3				6															
Page faults	F	F	F	F															
Victim frames																			