Final Project - Test Document 1

This document contains screenshots of the execution of the 4 algorithms using inputs from HW6 which are: N = 4 and the following reference string: 2456153452365347356

FIFO

Beginning

```
FRAME COUNT = 4

0 - Exit
1 - Read reference string
2 - Generate reference string
3 - Display current reference string
4 - Simulate FIFO
5 - Simulate LRU
7 - Simulate LRU
7 - Simulate LRU
8 - Simulate LRU
9 - Simulate LRU
1 - Read reference string
2 - Generate reference string
2 - Generate reference string
3 - Display current reference string
4 - Simulate FIFO
5 - Simulate LRU
7 - Simulate LRU
Read reference string
4 - Simulate FIFO
5 - Simulate FIFO
5 - Simulate LRU
7 - Simulate LRU
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 |
Physical frame 2 || |
Physical frame 3 || |
Page faults || F |
Victim frames || |
Press ENTER to continue.
```

Middle

```
Press ENTER to continue.
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 | 1 | 1 | 3 | 4 | 5 | 2 | 2 | 6 | 6 | 3 | 4 | 7 | 7 | 5 | 6 |
Physical frame 1 | | | 2 | 4 | 5 | 6 | 6 | 1 | 3 | 4 | 5 | 5 | 2 | 2 | 6 | 3 | 4 | 4 | 7 | 5 |
Press ENTER to continue.
Total page faults: 15
0 - Exit
1 - Read reference string
3 - Display current reference string
4 - Simulate FIFO
5 - Simulate OPT
6 - Simulate LRU
7 - Simulate LFU
Select option:
```

OPT

Beginning

```
0 - Exit
1 - Read reference string
2 - Generate reference string
3 - Display current reference string
4 - Simulate FIFO
5 - Simulate OPT
6 - Simulate LRU
7 - Simulate LFU
Select option:
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 |
Physical frame 1 ||
Physical frame 2 ||
Physical frame 3 || |
Page faults || F |
Victim frames || |
Press ENTER to continue.
```

Middle

```
Press ENTER to continue.
Reference string | | 2 | 4 | 5 | 6 | 1 | 5 | 3 | 4 | 5 | 2 | 3 | 6 | 5 | 3 | 4 | 7 | 3 | 5 | 6 |
Page faults || F | F | F | F | F | | | | |
Victim frames || | | | | 6 | | 1 | | | | |
Press ENTER to continue.
Reference string | | 2 | 4 | 5 | 6 | 1 | 5 | 3 | 4 | 5 | 2 | 3 | 6 | 5 | 3 | 4 | 7 | 3 | 5 | 6 |
Physical frame 3 || | | 6 | 1 | 1 | 3 | 3 | 3 | 3 | 3 | 3 |
Victim frames
Press ENTER to continue.
```

Press ENTER to continue.		
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 2 2 2 2 2		
Physical frame 1 4 4 4 4 4 4 4 4		
Physical frame 2 5 5 5 5 5 5 5 5		
Physical frame 3 6 1 1 3 3 3 3 3 3 3 3		
Page faults F F F F F F F		
Victim frames 6 1 2 4		
Press ENTER to continue.		
Total page faults: 8		
0 - Exit		
1 - Read reference string		
2 - Generate reference string		
3 - Display current reference string		
4 - Simulate FIFO		
5 - Simulate OPT		
6 - Simulate LRU		
7 - Simulate LFU		
Select option:		

LRU

Beginning

```
0 - Exit
1 - Read reference string
2 - Generate reference string
3 - Display current reference string
4 - Simulate FIFO
6 - Simulate LRU
7 - Simulate LFU
Select option:
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 |
Physical frame 1 || |
Physical frame 2 ||
Physical frame 3 || |
Page faults || F |
Victim frames || |
Press ENTER to continue.
```

Middle

Press ENTER to continue.			
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 1 1 1 1 1			
Physical frame 1 4 4 4 4 4 3 3 3 3			
Physical frame 2 5 5 5 5 5 5 5 5			
Physical frame 3 6 6 6 6 4 4 4 4			
Page faults F F F F F F F F F			
Victim frames 2 4 6 1 4 2 6 4			
Press ENTER to continue.			
Total page faults: 12			
0 - Exit			
1 - Read reference string			
2 - Generate reference string			
3 - Display current reference string			
4 - Simulate FIFO			
5 - Simulate OPT			
6 - Simulate LRU			
7 - Simulate LFU			
Select option:			

LFU

Beginning

```
0 - Exit
1 - Read reference string
2 - Generate reference string
3 - Display current reference string
4 - Simulate FIFO
6 - Simulate LRU
7 - Simulate LFU
Select option:
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 |
Physical frame 1 ||
Physical frame 2 || |
Physical frame 3 || |
Page faults || F |
Victim frames
Press ENTER to continue.
```

Middle

Press ENTER to continue.			
Reference string 2 4 5 6 1 5 3 4 5	12 3 6 5 3 4 7 3 5 6		
Physical frame 0 2 2 2 2 1 1 3 3 3	12 2 6 6 6 6 7 7 7 6		
Physical frame 1 4 4 4 4 4 4 4 4	4 4 4 4 4 4 4 4 4 4		
Physical frame 2 5 5 5 5 5 5 5			
Physical frame 3 6 6 6 6 6 6	16 3 3 3 3 3 3 3 3 3		
Page faults F F F F F	IFIFIFI I I IFI I IFI		
Victim frames 2 1	3 6 2 6 7		
A ATTACAN CO			
Press ENTER to continue.			
Total page faults: 11			
0 - Exit			
l - Read reference string			
2 - Generate reference string			
3 - Display current reference string			
4 - Simulate FIFO			
5 - Simulate OPT			
6 - Simulate LRU			
7 - Simulate LFU			
Salast ontion:			