

0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4	P4
P4	P4	P5	P5	P3	P3	P3	P3	P3	P5	P5	P1	P1	P1	P2	P2	P4	
											P2	P2	P2	P2	P2	P2	P2
											P2	P2	P2	P2	P2	P2	P2

Priority inversions : 2, 4,

East Side

West Side

state = outside-mystery-house	state = outside-mystery-house
wait key- east east	wait key-west
state walking through house	state walking through house
wait block lock to check if ^{is another} unit	wait block lock " "
signal key-west	signal key-west key-west
unit when west spin lock	unit when west spin lock
state walking through house	state walking through house
signal key-west	signal key-east
signal key-west	signal key-east
signal clue west	signal clue east
state outside-mystery-house	state outside-mystery-house

b) key-east = 5, clue-east = 5, home in = 2, home-out = 6
 key-west = 6, clue-west = 6

c) At most 3 people because only two people could be semaphored

4. LRU : Page Faults = 12

7	0	1	2	0	3	0	4	5	3	2	0	2	3	1	7
7	7	7	2	2	2	2	4	4	4	2	2	2	2	2	7
	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3
		1	1	1	3	3	3	5	5	5	0	0	0	1	1

[illegible][illegible]