HW1 Due 2/13

Gabriel Emerson gte0002

1.1)

P1

x=x-1; 1. x=9
x=x+1; 3. x=9
if(x!=10)printf(); 4. printf()
x=9
x=x+1
3. load 9
add 10
store 10
5. if(x!=10)print();

P2

x=x-1; 2. load 9
x=x+1; sub 8
->>> interrupted
if(x!=10) print();
4. store 8

1.2) 1. x=9
3. x=9

5. printf() x=8

load 9
Sub 8
Store 8
6. if(x!=10)print();

load 9
2. sub 8
->>> interrupted

4 load 9
sub 8
->>> interrupted

5. store 8

2.) general has no restriction on domain for the integer range.
Binary range can only be between 0 and 1

3.) High level abstraction for process synchronization
Only one process can be active within monitor
Internal variables only accessible within monitor

4.) Only two. Either wait()
Signal()