Homework Handout 1
Due Thursday, January 23

NOTE: Only turn in problem 1. Problem 2 kept back temporarily.

1. Carry out the computation of this program (as illustrated in class) with initial configuration $r_1 = 8$, $r_2 = 4$, $r_3 = 2$, $r_i = 0$ for $i \geq 4$.

Computation:

Step	R_1	R_2	R_3	R_i $(i \geq 4)$	**Next Instruction**
Initial Configuration	8	4	2	0	1
J(1,2,6)	8	4	2	0	2
S(2)	8	5	2	0	3
S(3)	8	5	3	0	4
J(1,2,6)	8	5	3	0	5
J(1,1,2)	8	5	3	0	2
S(2)	8	6	3	0	3
S(3)	8	6	4	0	4
J(1,2,6)	8	6	4	0	5
J(1,1,2)	8	6	4	0	2
S(2)	8	7	4	0	3
S(3)	8	7	5	0	4
J(1,2,6)	8	7	5	0	5
J(1,1,2)	8	7	5	0	2
S(2)	8	8	5	0	3
S(3)	8	8	6	0	4
J(1,2,6)	8	8	6	0	6
T(3,1)	6	8	6	0	-Program Halted-

Solution: Final value of R_1 is 6

Pledge: _____