CMSC313 HW5 Question #2

#	i7	i6	i5	i3	i2	i0	R1MUX 1	R1MUX 0	R1MUX en	R0MUX 1	R0MUX 0	R0MUX en	
0	0	0	0	0	0	0	1	1	0	1	1	1	ALU
1	0	0	0	0	0	1	1	1	1	1	1	0	ALU
2	0	0	0	0	1	0	1	1	0	1	1	1	ALU
3	0	0	0	0	1	1	1	1	1	1	1	0	ALU
4	0	0	0	1	0	0	1	1	0	1	1	1	ALU
5	0	0	0	1	0	1	1	1	1	1	1	0	ALU
6	0	0	0	1	1	0	1	1	0	1	1	1	ALU
7	0	0	0	1	1	1	1	1	1	1	1	0	ALU
8	0	0	1	0	0	0	1	1	0	1	1	1	ALU
9	0	0	1	0	0	1	1	1	1	1	1	0	ALU
10	0	0	1	0	1	0	1	1	0	1	1	1	ALU
11	0	0	1	0	1	1	1	1	1	1	1	0	ALU
12	0	0	1	1	0	0	1	1	0	1	1	1	ALU
13	0	0	1	1	0	1	1	1	1	1	1	0	ALU
14	0	0	1	1	1	0	1	1	0	1	1	1	ALU
15	0	0	1	1	1	1	1	1	1	1	1	0	ALU
16	0	1	0	0	0	0	1	1	0	1	1	1	ALU
17	0	1	0	0	0	1	1	1	1	1	1	0	ALU
18	0	1	0	0	1	0	1	1	0	1	1	1	ALU
19	0	1	0	0	1	1	1	1	1	1	1	0	ALU
20	0	1	0	1	0	0	1	1	0	1	1	1	ALU
21	0	1	0	1	0	1	1	1	1	1	1	0	ALU
22	0	1	0	1	1	0	1	1	0	1	1	1	ALU
23	0	1	0	1	1	1	1	1	1	1	1	0	ALU
24	0	1	1	0	0	0	1	1	0	1	1	1	ALU
25	0	1	1	0	0	1	1	1	1	1	1	0	ALU
26	0	1	1	0	1	0	1	1	0	1	1	1	ALU
27	0	1	1	0	1	1	1	1	1	1	1	0	ALU
28	0	1	1	1	0	0	1	1	0	1	1	1	ALU
29	0	1	1	1	0	1	1	1	1	1	1	0	ALU
30	0	1	1	1	1	0	1	1	0	1	1	1	ALU
31	0	1	1	1	1	1	1	1	1	1	1	0	ALU

CMSC313 HW5 Question #2

#	i7	i6	i5	i3	i2	i0	R1MUX 1	R1MUX 0	R1MUX en	R0MUX 1	R0MUX 0	R0MUX en	
32	1	0	0	0	0	0	0	0	0	0	0	1	mov
33	1	0	0	0	0	1	0	0	1	0	0	0	mov
34	1	0	0	0	1	0	0	1	0	0	1	1	mov
35	1	0	0	0	1	1	0	1	1	0	1	0	mov
36	1	0	0	1	0	0	1	0	0	1	0	1	mov
37	1	0	0	1	0	1	1	0	1	1	0	0	mov
38	1	0	0	1	1	0	1	0	0	1	0	1	mov
39	1	0	0	1	1	1	1	0	1	1	0	0	mov
40	1	0	1	0	0	0							exchg
41	1	0	1	0	0	1							exchg
42	1	0	1	0	1	0							exchg
43	1	0	1	0	1	1							exchg
44	1	0	1	1	0	0							exchg
45	1	0	1	1	0	1							exchg
46	1	0	1	1	1	0							exchg
47	1	0	1	1	1	1							exchg
48	1	1	0	0	0	0							reset
49	1	1	0	0	0	1							reset
50	1	1	0	0	1	0							reset
51	1	1	0	0	1	1							reset
52	1	1	0	1	0	0							reset
53	1	1	0	1	0	1							reset
54	1	1	0	1	1	0							reset
55	1	1	0	1	1	1							reset
56	1	1	1	0	0	0	*d*	*d*	*d*	*d*	*d*	*d*	
57	1	1	1	0	0	1	*d*	*d*	*d*	*d*	*d*	*d*	
58	1	1	1	0	1	0	*d*	*d*	*d*	*d*	*d*	*d*	
59	1	1	1	0	1	1	*d*	*d*	*d*	*d*	*d*	*d*	
60	1	1	1	1	0	0	*d*	*d*	*d*	*d*	*d*	*d*	
61	1	1	1	1	0	1	*d*	*d*	*d*	*d*	*d*	*d*	
62	1	1	1	1	1	0	*d*	*d*	*d*	*d*	*d*	*d*	
63	1	1	1	1	1	1	*d*	*d*	*d*	*d*	*d*	*d*	