Cycle	Reset	РС	Instr	(FSM) state	SrcA	SrcB	ALUResult	Zero
1	1	00	0	0	00	04	04	00
2	0	04	addi 20020005	1	04	14	18(X)	00
3	0	04	addi 20020005	9	00	05	05	00
4	0	04	addi 20020005	10	04	00	05	00
5	0	04	addi 20020005	0	08	04	04	00
6	0	08	addi 2003000c	1	08	04	38	00
7	0	08	addi 2003000c	9	00	0c	0c	00
8	0	08	addi 2003000c	10	00	0c	0c	00
9	0	08	addi 2003000c	0	08	04	0c	00
10	0	0c	addi 2067fff7	1	0c	ffffffdc	ffffffe8	00
11	0	0c	addi 2067fff7	9	0c	fffffff7	3	00
12	0	0c	addi 2067fff7	10	0c	fffffff7	03	00
13	0	0c	addi 2067fff7	0	0c	04	10	00
14	0	10	or 00e22025	1	10	8094	80a4	00
15	0	10	or 00e22025	6	03	05	07	00
16	0	10	or 00e22025	7	03	05	07	00
17	0	10	or 00e22025	0	10	04	14	00
18	0	14	and 00642824	1	14	a090	a0a5	00
19	0	14	and 00642824	6	0c	07	04	00
20	0	14	and 00642824	7	0c	07	04	00
21	0	14	and 00642824	0	14	04	18	00
22	0	18	add 00a42820	1	18	a080	a098	00
23	0	18	add 00a42820	6	04	07	000b	00
24	0	18	add 00a42820	7	04	07	000b	00
25	0	18	add 00a42820	0	18	04	1c	00
26	0	1c	beq 10a7000a	1	1c	28	44	00
27	0	1c	beq 10a7000a	8	0b	03	08	00
28	0	1c	beq 10a7000a	0	1c	04	20	00
29	0	20	slt 0064202a	1	20	80a8	80c8	00
30	0	20	slt 0064202a	6	0c	07	00	01
31	0	20	slt 0064202a	7	0c	07	00	01
32	0	20	slt 0064202a	0	20	04	24	00
33	0	24	beq 10800001	1	24	04	28	00
34	0	24	beq 10800001	8	00	00	00	01
35	0	28	beq 10800001	0	28	04	2c	00
36	0	2c	slt 00e2202a	1	2c	80a8	80d4	00
37	0	2c	slt 00e2202a	6	03	05	01	00
38	0	2c	slt 00e2202a	7	03	05	01	00
39	0	2c	slt 00e2202a	0	2c	04	30	00
40	0	30	add 00853820	1	30	e080	e0b0	00
41	0	30	add 00853820	6	01	0b	0c	00
42	0	30	add 00853820	7	01	0b	0c	00
43	0	30	add 00853820	0	30	04	34	00
44	0	34	sub 00e23822	1	34	e088	e0bc	00
45	0	34	sub 00e23822	6	0c	05	07	00

46	0	34	sub 00e23822	7	0c	05	07	00
47	0	34	sub 00e23822	0	34	04	38	00
48	0	38	sw ac670044	1	38	110	148	00
49	0	38	sw ac670044	2	0c	44	50	00
50	0	38	sw ac670044	5	0c	44	50	00
51	0	38	sw ac670044	0	38	04	3c	00
52	0	3c	lw 8c020050	1	3c	140	17c	00
53	0	3c	lw 8c020050	2	00	50	50	00
54	0	3c	lw 8c020050	3	00	50	50	00
55	0	3c	lw 8c020050	4	00	50	50	00
56	0	3c	lw 8c020050	0	3c	04	40	00
57	0	40	J 08000011	1	40	44	84	00
58	0	40	J 08000011	11	00	11	11	00
59	0	44	J 08000011	0	44	04	48	00
60	0	48	sw ac020054	1	48	150	198	00
61	0	48	sw ac020054	2	00	54	54	00
62	0	48	sw ac020054	5	00	54	54	00

**Control Word** 

0C24

0C24

0C24

0D42

0D42

0D42

0D42

0D42

0D42

0D42

25A0

0DA0

25A0