

State	T1		T2			T3		T4
	T1_sel	T1_en	T2_sel1	T2_sel0	T2_en	T3_sel	T3_en	TC_sel
	34	33	32	31	30	29	28	27
S0	0	1	x	x	0	x	0	x
S1	x	0	x	x	0	x	0	x
S2	0	1	0	0	1	x	0	x
S3	x	0	x	x	0	1	1	x
S4	x	0	x	x	0	x	0	x
S5	x	0	x	x	0	x	0	x
S6	x	0	x	x	0	1	1	x
S7	0	1	0	1	1	x	0	x
S8	x	0	x	x	0	x	0	x
S9	0	1	0	1	1	x	0	x
S10	x	0	x	x	0	0	1	x
S11	x	0	x	x	0	x	0	x
S12	0	1	x	x	0	x	0	x
S13	x	0	x	x	0	x	0	x
S14	x	0	x	x	0	x	0	x
S15	x	0	x	x	0	1	1	x
S16	0	1	1	0	1	x	0	x
S17	x	0	x	x	0	x	0	x
S18	x	0	x	x	0	x	0	x
S19	0	1	1	0	1	x	0	x
S20	0	1	1	1	1	x	0	x
S21	1	1	x	x	0	x	0	0
S22	x	0	1	1	1	x	0	x
S23	0	1	x	x	0	x	0	1
S24	1	1	x	x	0	x	0	0

C	PC		MEMORY					
TC_en	PC_sel	PC_en	MEM_sel2	MEM_sel1	MEM_sel0	MEM_wr	RF_8(SW1)	RF_7(SW2)
26	25	24	23	22	21	20	19	18
0	x	0	x	0	1	0	1	0
0	1	1	x	0	0	0	0	0
0	x	0	x	0	0	0	1	1
0	x	0	x	0	0	0	0	0
0	x	0	x	0	0	0	0	0
0	x	0	x	0	0	0	0	0
0	x	0	x	0	0	0	0	0
0	x	0	x	0	0	0	1	0
0	x	0	x	0	0	0	0	0
0	x	0	x	0	0	0	1	0
0	x	0	x	1	1	0	0	0
0	x	0	x	0	0	0	0	0
0	x	0	x	0	0	0	1	0
0	x	0	0	1	1	1	0	0
0	x	0	x	0	0	0	0	0
0	x	0	x	0	0	0	0	0
0	x	0	x	0	0	0	0	0
0	x	0	x	0	0	0	0	0
0	x	0	x	0	0	0	0	0
0	0	1	x	0	0	0	0	0
0	x	0	x	0	0	0	1	0
0	x	0	x	0	1	0	1	0
1	x	0	x	0	0	0	0	0
0	x	0	x	1	0	0	0	0
1	x	0	x	0	0	0	1	0
1	x	0	1	1	0	1	1	0

RF							1S	SE6
RF_6(SW3)	RF_5	RF_4	RF_3	RF_2	RF_1	RF_0		
17	16	15	14	13	12	11	10	9
0	0	0	x	x	x	x	0	0
0	x	x	x	x	x	x	0	0
0	0	1	x	x	x	x	0	0
0	x	x	x	x	x	x	0	0
1	x	x	1	0	0	1	0	0
1	x	x	0	0	1	0	0	0
0	x	x	x	x	x	x	1	0
0	0	1	x	x	x	x	0	1
1	x	x	0	1	0	0	0	0
0	1	0	x	x	x	x	0	1
0	x	x	x	x	x	x	0	0
1	x	x	0	1	0	1	0	0
0	0	1	x	x	x	x	0	0
0	x	x	x	x	x	x	0	0
0	x	x	x	x	x	x	0	0
0	x	x	x	x	x	x	0	1
1	x	x	0	1	1	0	0	0
1	x	x	0	0	0	1	0	0
1	x	x	0	1	1	0	0	0
0	0	1	x	x	x	x	0	0
1	0	1	0	0	1	0	0	0
1	x	x	1	1	1	1	0	0
0	x	x	x	x	x	x	0	0
1	0	1	0	0	1	0	0	0
0	1	1	x	x	x	x	0	0

SE9	CC	7S	IR	ALU				EQ
	CC_in			ALU_3	ALU_2	ALU_1	ALU_0	EQ_IN
8	7	6	5	4	3	2	1	0
0	0	0	1	0	x	x	x	0
0	0	0	0	1	0	0	0	0
0	0	0	0	0	x	x	x	0
0	0	0	0	1	0	1	0	0
0	0	0	0	0	x	x	x	0
0	0	0	0	0	x	x	x	0
0	0	0	0	1	0	1	1	0
0	0	0	0	0	x	x	x	0
1	0	1	0	0	x	x	x	0
0	0	0	0	0	x	x	x	0
0	0	0	0	0	x	x	x	0
0	0	0	0	0	x	x	x	0
0	0	0	0	0	x	x	x	0
0	0	0	0	0	x	x	x	0
0	0	0	0	1	0	1	0	1
0	0	0	0	1	1	0	1	0
1	0	0	0	0	x	x	x	0
0	0	0	0	0	x	x	x	0
0	0	0	0	0	x	x	x	0
1	0	0	0	0	x	x	x	0
0	0	0	0	0	x	x	x	0
0	1	0	0	1	0	0	0	0
0	0	0	0	0	x	x	x	0
0	0	0	0	0	x	x	x	0
0	1	0	0	1	0	0	0	0

01xx0x0x0x0x010010000xxxx0000010xxx0			
x0xx0x0x011x00x0000xxxxxx00000010000			
01001x0x0x0x00x011001xxxx0000000xxx0			
x0xx011x0x0x00x0000xxxxxx00000010100			
x0xx0x0x0x0x00x0001xx10010000000xxx0			
x0xx0x0x0x0x00x0001xx0010000000xxx0			
x0xx011x0x0x00x0000xxxxxx10000010110			
01011x0x0x0x00x010001xxxx0100000xxx0			
x0xx0x0x0x0x00x0001xx01000010100xxx0			
01011x0x0x0x00x010010xxxx0100000xxx0			
x0xx001x0x0x1110000xxxxxx0000000xxx0			
x0xx0x0x0x0x00x0001xx01010000000xxx0			
01xx0x0x0x0x00x010001xxxx0000000xxx0			
x0xx0x0x0x001111000xxxxxx0000000xxx0			
x0xx0x0x0x0x00x0000xxxxxx00000010101			
x0xx011x0x0x00x0000xxxxxx01000011010			
01101x0x0x0x00x0001xx01100010000xxx0			
x0xx0x0x0x0x00x0001xx00010000000xxx0			
x0xx0x0x001x00x0001xx01100000000xxx0			
01101x0x0x0x00x010001xxxx0010000xxx0			
01111x0x0x0x01101010100100000000xxx0			
11xx0x001x0x00x0001xx111100010010000			
x0111x0x0x0x1010000xxxxxx0000000xxx0			
01xx0x011x0x00x01010100100000000xxx0			
11xx0x001x01101110011xxxx00010010000			