uCodeA	uState	OpCode		Desc	Bitfield /PC_LOAD	PC_INC	/IDR_ENABLE_L	/IDR_ENABLE_H	RF_WE	ALU_FUNC/3	/ALU_OE	/BUF_IDRTOCBUS	/RF_ATOADDR	/BUF_IDRTOADDR	/BUF_DB_OE	/SH_OE	SH_DIR	D_MEM_RW	/MEM_MEMREQ	/MEM_IOREQ	/MEM_INSTREQ	uState
00000	00	xxxx		Fetch L	1	0	0	1	0	xxx	1	1	1	1	1	1	x	0	1	1	0	00
00001	01	xxxx		Fetch H	1	0	1	0	0	xxx	1	1	1	1	1	1	x	0	1	1	0	01
	10	0000	00	NOP (Execute)	1	1	1	1	0	xxx	1	1	1	1	1	1	x	0	1	1	1	10
00010	10	0001	00	LOADIMM c,imm8	1	1	1	1	1	xxx	1	0	1	1	1	1	x	0	1	1	1	10
00011				unused																		
00100	10	0010	01	SUB a,b,c	1	1	1	1	1	010	0	1	1	1	1	1	x	0	1	1	1	10
00101				unused																		
00110	10	0011	01	ADD a,b,c	1	1	1	1	1	011	0	1	1	1	1	1	x	0	1	1	1	10
00111				unused																		
01000	10	0100	10	XOR a,b,c	1	1	1	1	1	100	0	1	1	1	1	1	x	0	1	1	1	10
01001				unused																		
01010	10	0101	10	OR a,b,c	1	1	1	1	1	101	0	1	1	1	1	1	x	0	1	1	1	10
01011				unused																		
01100	10	0110	11	AND a,b,c	1	1	1	1	1	110	0	1	1	1	1	1	x	0	1	1	1	10
01101				unused																		
01110	10	0111	11	NOT a,c	1	1	1	1	1	111	0	1	1	1	1	1	x	0	1	1	1	10
01111				unused																		
10000	10	1000	00	STORE c,[imm8]	1	1	1	1	0	000	0	1	1	0	0	1	x	1	0	1	1	10
10001				unused																		
10010	10	1001	00	STORE c,[a]	1	1	1	1	0	001	0	1	0	1	0	1	x	1	0	1	1	10
				STOREIO c, [a]	1	1	1	1	0	001	0	1	0	1	0	1	x	1	1	0	1	10
10011				unused																		
10100	10	1010	01	LOAD c,[imm8]	1	1	1	1	1	xxx	1	1	1	0	0	1	x	0	0	1	1	10
10101				unused																		
10110	10	1011	01	LOAD c,[a]	1	1	1	1	1	xxx	1	1	0	1	0	1	x	0	0	1	1	10
				LOADIO c, [a]	1	1	1	1	1	xxx	1	1	0	1	0	1	x	0	1	0		
10111				unused																		
11000	10	1100	10	SHL a,c	1	1	1	1	1	xxx	1	1	1	1	1	0	0	0	1	1	1	10
11001				unused																		
11010	10	1101	10	SHR s,c	1	1	1	1	1	xxx	1	1	1	1	1	0	1	0	1	1	1	10
11011				unused																		
11100	10	1110	11	JMP {cc} imm8	0*cc	1	1	1	0	xxx	1	1	1	1	1	1	x	0	1	1	1	10
11101				unused																		
11110	10	1111	11	JMP {cc} +imm8s	0*cc	1	1	1	0	xxx	1	1	1	1	1	1	x	0	1	1	1	10
11111				unused																		