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Instru�� O	Opcode	Sinais de controle																				
		Reg W	RegDst		Reg 2M ux	Imm		Jum p	Desl	Bra nch	Resp		Res pAu x	Me mR	Me mW	SltCnt		SrlCnt		AluCnt		
ADD	00000	1	1	0	0	X	X	0	X	0	0	0	1	0	0	1	1	X	X	0	0	0
ADDI	00001	1	0	1	1	1	0	0	X	0	0	0	1	0	0	1	1	X	X	0	0	1
SUB	00010	1	1	0	0	X	X	0	X	0	0	0	1	0	0	1	1	X	X	0	1	0
AUIPC	00011	1	0	0	X	1	1	0	0	0	1	1	1	0	0	1	1	X	X	X	X	X
XOR	00100	1	1	0	0	X	X	0	X	0	0	0	1	0	0	1	1	X	X	1	1	0
XORI	00101	1	0	1	1	1	0	0	X	0	0	0	1	0	0	1	1	X	X	1	1	0
OR	00110	1	1	0	0	X	X	0	X	0	0	0	1	0	0	1	1	X	X	1	0	1
ORI	00111	1	0	1	1	1	0	0	X	0	0	0	1	0	0	1	1	X	X	1	0	1
AND	01000	1	1	0	0	X	X	0	X	0	0	0	1	0	0	1	1	X	X	1	0	1
ANDI	01001	1	0	1	1	1	0	0	X	0	0	0	1	0	0	1	1	X	X	1	0	1
BEQ	01010	0	X	X	0	1	0	0	1	1	X	X	X	0	0	1	0	X	X	X	X	X
BLT	01011	0	X	X	0	1	0	0	1	1	X	X	X	0	0	0	1	X	X	X	X	X
BGE	01100	0	X	X	0	1	0	0	1	1	X	X	X	0	0	0	0	X	X	X	X	X
SLT	01101	1	1	0	0	X	X	0	X	0	X	X	0	0	0	0	1	X	X	X	X	X
SLTI	01110	1	0	1	1	1	0	0	X	0	X	X	0	0	0	0	1	X	X	X	X	X
LB	01111	1	0	1	1	0	0	0	0	0	0	1	1	1	0	1	1	X	X	0	0	0
LH	10000	1	0	1	1	0	1	0	0	0	0	1	1	1	0	1	1	X	X	0	0	0
LW	10001	1	0	1	1	1	0	0	0	0	0	1	1	1	0	1	1	X	X	0	0	0
SB	10010	0	0	1	1	0	0	0	0	0	0	1	1	0	1	1	1	X	X	0	0	0
SH	10011	0	0	1	1	0	1	0	0	0	0	1	1	0	1	1	1	X	X	0	0	0
SW	10100	0	0	1	1	1	0	0	0	0	0	1	1	0	1	1	1	X	X	0	0	0
JAL	10101	1	0	1	1	1	0	0	1	1	1	1	1	0	0	1	1	X	X	X	X	X
JUMP	10110	0	X	X	X	X	X	1	X	X	X	X	X	0	0	X	X	X	X	X	X	X
SLL	11001	1	1	0	0	X	X	0	X	0	X	X	0	0	0	1	1	0	1	X	X	X
SLLI	11010	1	0	1	1	0	0	0	X	0	X	X	0	0	0	1	1	0	1	X	X	X
SLR	11011	1	1	0	0	X	X	0	X	0	X	X	0	0	0	1	1	0	0	X	X	X
SLRI	11100	1	0	1	1	0	0	0	X	0	X	X	0	0	0	1	1	0	0	X	X	X
SRA	11101	1	1	0	0	X	X	0	X	0	X	X	0	0	0	1	1	1	0	X	X	X
SLRAI	11110	1	0	1	1	0	0	0	X	0	X	X	0	0	0	1	1	1	0	X	X	X
ECALL	10111																					
BREAK	11000																					

ALUCNT	000	001	010	100	101	110	111
Function	A+B	A+EXT	A-B	A&B	A B	A XOR B	NOT A

SrlCnt	00	10	10
Function	>>	<<	Copy

SltCNT	00	01	10	11
Function	>=	<=	==	1