					In	puts			Contro	Outputs								Inpu	t Bits			Output Bits	
INUM	Instruction	Mnemonic	Format	opcode	funct3	funct7	funct6	RFW ALUÓp	ALUSrcA	ALUSrcB	PCsel	WDsel	BROp	MST	MLD	MSZ	opcode	funt3	funct7	funct6	Project06	v2.0 raw	
0	addi	ADDI	I R	0010011	000	XXXXXXX	XXXXXX	1 0000	0	001	00	00	00	0	0	00	060010011	06000	0bxxxxxxxxx	0bxxxxxxx	0ь1000000010000000000	0x40400	
	add jal	ADDR JAL	R I	0110011	000 xxx	0000000 xxxxxxx	XXXXXXX	1 0000	0	000	00	00	00	0	0	00	0b0110011 0b1101111	0b000 0bxxx	0b0000000 0bxxxxxxx	Obxxxxxx Obxxxxxx	0b10000000000000000000 0b1000010110101000000	0x40000 0x42D40	
3	jair	JALR	ı	1100111	000	XXXXXXX	XXXXXX	1 0000	0	001	01	01	00	0	0	00	0b1100111	0b000	Obxxxxxxx	Obxxxxxx	0b10000000101101000000	0x40540	
4	mul	MUL	R	0110011	000	0000001	XXXXXX	1 0001	0	000	00	00	00	0	0	00	0b0110011	06000	0ь0000001	Obxxxxxxd	0ь1000100000000000000	0x44000	
	sub	SUBR	R	0110011	000	0100000	XXXXXXX	1 0010	0	000	00	00	00	0	0	00	0b0110011 0b0110011	0b000 0b001	0b0100000 0b0000000	Obxxxxxxx Obxxxxxxx	0b10010000000000000000 0b100110000000000	0x48000 0x4C000	
7	srl	SRL	R	0110011	101	0000000	XXXXXX	1 0100	0	000	00	00	00	0	0	00	0b0110011	0b101	060000000	Obxxxxx	0b10110000000000000000000	0x50000	
8	slli	SLLI	ï	0010011	001	0000000	shamt	1 0101	0	001	00	00	00	0	0	00	060010011	0b001	060000000	0bshamt	0b1010100010000000000	0x54400	
	srli	SRLI	I	0010011	101	0000000	shamt	1 0110	0	001	00	00	00	0	0	00	0b0010011	0b101	0ь0000000	0bshamt	0b1011000010000000000	0x58400	
	srai beq	SRAI BEQ	D	0010011 1100011	101	0100000 xxxxxxx	shamt xxxxxx	1 0111 0 0000	0	001	10	00	00	0	0	00	0b0010011 0b1100011	0b101 0b000	0b0100000 0bxxxxxxx	Obshamt Obxxxxxx	0b1011100010000000000 0b0000010101001000000	0x5C400 0x2A40	
	bne	BNE	В	1100011	000	XXXXXXX	XXXXX	0 0000	1	010	10	01	01	0	0	00	0b1100011	06001	Obxxxxxxx	Obxxxxx	0b000001010100100000	0x2A50	
	bit	BLT	В	1100011	100	XXXXXXXX	XXXXXX	0 0000	1	010	10	01	10	0	0	00	0b1100011	0b100	Obxxxxxxxx	Obxxxxxxd	060000010101001100000	0x2A60	
	bge Id	BGE LD	В	1100011 0000011	101	XXXXXXXX	XXXXXX	0 0000	0	010	10	10	11	0	0	00	0b1100011 0b0000011	0b101 0b011	Obxxxxxxxx Obxxxxxxxx	Obxxxxxxx Obxxxxxxx	0b0000010101001110000 0b1000000010010000100	0x2A70 0x40484	
16	lw	LW		0000011	011	XXXXXXX	XXXXXX	1 0000	0	001	00	10	00	0	1	00	0b0000011	06011	Obxxxxxxx	Obxxxxxx	0b1000000010010000101	0x40485	
17	lb	LB	I	0000011	000	XXXXXXXX	XXXXXXX	1 0000	0	001	00	10	00	0	1	10	0b0000011	0ь000	0bxxxxxxxx	0bxxxxxxx	0b1000000010010000110	0x40486	
	sd	SD	S	0100011	011	XXXXXXX	XXXXXX	0 0000	0	100	00	00	00	1	1	00	0b0100011	0b011	Obxxxxxxxxx	0bxxxxxxx	0b0000001000000001100	0x100C	
	sw	SW SB	S	0100011 0100011	010 000	XXXXXXXXX	XXXXXXX	0 0000	0	100	00	00	00	1	1	01 10	0b0100011 0b0100011	0b010 0b000	Obxxxxxxxx Obxxxxxxxxx	Obxxxxxx Obxxxxxx	0b0000001000000001101 0b0000001000000001110	0x100D 0x100E	
	and		R	0110011	111	0000000	XXXXXX	1 1000	0	000	00	00	00	0	0	00	0b0100011	0b111	060000000	Obxxxxx	0b1100000000000000000	0x60000	
22	or	OR	R	0110011	110	0000000	XXXXXX	1 1001	0	000	00	00	00	0	0	00	0b0110011	0b110	0ь0000000	ObxxxxxxdO	0ь1100100000000000000	0x64000	
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