CSRRCI

1110011

小端存储—FZ 大端读取 ID时翻转

	31 27	26 25	24	20	19	15	14 12	11 7	6 0			
	funct7 rs2			rs1		funct3	rd	opcode	R-type			
-	imm[11:0]			rs1		funct3	rd	opcode	I-type			
-	imm[11:5] rs2			rs1		funct3	imm[4:0]	opcode	S-type			
	imm[12 10]	imm[12 10:5] rs2			rs1		funct3	imm[4:1 11]	opcode	B-type		
	imm[31:12]							$\operatorname{rd}$	opcode	U-type		
—FZ	imm[20 10:1 11 19				9:12]			rd	opcode	J-type		
-												
п	RV32I Base Instruction Set $[imm[31:12]$ rd 0110									7		
			0.10			rd	0110111	LUI	U-Type			
<u> </u>		[31:12]				rd	0010111	AUIPC				
J-Type	$\frac{\mathrm{imm}[20 10:1 11 19}{\mathrm{imm}[11:0]}$				9:12] rs1		000	rd rd	1101111 1100111	JAL JALR		
	imm[12 10:5] rs2			<sub>3</sub> 9			000	imm[4:1 11]	1100111	BEQ		
B-Type	$ \frac{\text{imm}[12 10.5]}{\text{imm}[12 10.5]} $		1	s2 s2	rs1 rs1		000	imm[4:1 11]	1100011	BNE		
	$\frac{\text{imm}[12 10.5]}{\text{imm}[12 10:5]}$		1	s2	rs1		100	imm[4:1 11]	1100011	BLT		
	$\frac{\text{imm}[12 10.5]}{\text{imm}[12 10:5]}$		1	s2 s2	rs1		101	imm[4:1 11]	1100011	BGE		
		$\frac{\text{imm}[12 10.5]}{\text{imm}[12 10:5]}$		s2 s2	rs1		110	imm[4:1 11]	1100011	BLTU		
-		$\frac{\text{imm}[12 10.5]}{\text{imm}[12 10:5]}$		rs2			1111	imm[4:1 11]	1100011	BGEU		
	imm[12]			54	rs1 rs1		000	rd	0000011	LB	_	
-		nm[11:0			rs1		001	rd	0000011	LH		
-	imm[11:0 imm[11:0				rs1		010	rd	0000011	LW	I-Type	
-					rs1		100	rd	0000011	LBU		
-		mm[11:0]			rs1		101	rd	0000011	LHU		
	imm[11:5]			s2	rsl		000	imm[4:0]	0100011	SB	$\neg$	
S-Type	imm[11:			s2	rs1		001	imm[4:0]	0100011	SH		
	imm[11:			s2	rs1		010	imm[4:0]	0100011	$\frac{1}{2}$ SW		
	imm[11:0		0]		rs1		000	rd	0010011	ADDI		
	imm[11:0]				rs1		010	rd	0010011	SLTI	I - Type	
	ir	0]		rs1		011	$\operatorname{rd}$	0010011	SLTIU			
	ir	)]		rs1		100	$\operatorname{rd}$	0010011	XORI			
Ī	ir	)]		rs1		110	rd	0010011	ORI			
	imm[11:0				rs1		111	rd	0010011	ANDI		
	0000000			$\operatorname{mt}$	rs1		001	rd	0010011	SLLI		
	0000000			$\operatorname{mt}$	rs1		101	$\operatorname{rd}$	0010011	SRLI		
	0100000			$\operatorname{mt}$	rs1		101	rd	0010011	SRAI		
-	0000000			s2	rs1		000	rd	0110011	ADD		
-	0100000		l	$\frac{1}{2}$	rs1		000	rd	0110011	SUB		
R-Type	0000000			s2	rs1		001	rd	0110011	SLL		
	0000000			s2	rs1		010	rd	0110011	SLT		
	0000000			s2	rs1		011	rd	0110011	SLTU		
	0000000			s2	rs1		100	rd	0110011	XOR		
	0000000 0100000			s2	rs1		101	rd	0110011 0110011	SRL		
	0100000			s2	rs1		101 110	rd	0110011	SRA OR		
-	0000000			s2 s2	rs1 rs1		111	rd rd	0110011	AND		
					00000	1	000	00000	0001111	FENCE		
-	0000	pre-		succ 0000	00000		000	00000	0001111	FENCE.I		
	000000000000000000000000000000000000000			00000		000	00000	1110011	ECALL			
	00000000000000000000000000000000000000				00000		000	00000	1110011	EBREAK		
					rs1	_	001	rd	1110011	CSRRW		
					rs1		010	rd	1110011	CSRRS		
					rs1		011	rd	1110011	CSRRC		
					zimm	$\frac{1}{1}$	101	rd	1110011	CSRRWI		
		csr			zimm		110	rd	1110011	CSRRSI		
L	COI									_		

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zimm

csr

rd