

R-type Instructions		Description	Bits				
			31:26	25:21	20:26	15:11	11:00
			OP Code	RD	RS1	RS2	--
0	NOP	No Operation	000000	rd(0)	rs1(0)	rs2(0)	000000000000
1	SUB	Subtraction	000001	rd	rs1	rs2	000000000000
2	ADD	Addition	000010	rd	rs1	rs2	000000000000

I-type Instructions		Description	Bits			
			31:26	25:21	20:26	15:00
32	ADDI	Add Immediate	100000	rd	rs1	Immediate
33	SUBI	Sub Immediate	100001	rd	rs1	Immediate
34	LD	Load	100010	rd	rs1	Offset
35	ST	Store	100011	rd(rs)	rs1	Offset
36	BEZ	Branch Equal Zero	100100	00000	rs1	Offset
37	BNE	Branch Not Equal	100101	rd(rs)	rs1	Offset
38	JMP	Jump	100110	00000	rs1	Offset