

inst.	op	func3	func7	PCsrc	Result Src	Mem Write	AluCo ntrol	ALUS rc	ImmS rc	RegW rite
<b>ADD</b>	0110011	000	0000000	0	00	0	000	0	XXX	1
<b>SUB</b>	0110011	000	0100000	0	00	0	001	0	XXX	1
<b>AND</b>	0110011	111	0000000	0	00	0	010	0	XXX	1
<b>OR</b>	0110011	110	0000000	0	00	0	011	0	XXX	1
<b>XOR</b>	0110011	100	0000000	0	00	0	100	0	XXX	1
<b>SLL</b>	0110011	001	0000000	0	00	0	101	0	XXX	1
<b>SRL</b>	0110011	101	0000000	0	00	0	110	0	XXX	1
<b>SLT</b>	0110011	010	0000000	0	00	0	111	0	XXX	1
<b>LW</b>	0000011	010	-	0	01	0	000	1	"T":000	1
<b>SW</b>	0100011	010	-	0	00	1	000	1	"S":001	0
<b>BEQ</b>	1100011	000	-	0/1 (zero input)	00	0	001	0	"B":010	0
<b>BNE</b>	1100011	001	-	0/1 (zero input)	00	0	001	0	"B":010	0
<b>JAL</b>	1101111	-	-	1	10	0	xxx	0	"J":100	1
<b>JALR</b>	1100111	000	-	1	10	0	000	1	"T":000	1
<b>ADDI</b>	0010011	000	-	0	00	0	000	1	"T":000	1
<b>ANDI</b>	0010011	111	-	0	00	0	010	1	"T":000	1
<b>SLLI</b>	0010011	001	0000000*	0	00	0	101	1	"T":000	1
<b>SRLI</b>	0010011	101	0000000*	0	00	0	110	1	"T":000	1
<b>SLTI</b>	0010011	010	-	0	00	0	111	1	"T":000	1
<b>LUI</b>	0110111	-	-	0	00	0	000	1	"U":011	1

\*SLLI and SRLI take funct7 from the upper 7 bits of the immediate field of the I-type format.