

Assembly		Field Values					Machine Code				
		imm _{11:0}	rs1	funct3	rd	op	imm _{11:0}	rs1	funct3	rd	op
lw	t3, -36(s4)	-36	20	2	28	3	1111 1101 1100	10100	010	11100	000 0011
lw	x28, -36(x20)	12 bits	5 bits	3 bits	5 bits	7 bits	12 bits	5 bits	3 bits	5 bits	7 bits

op
00 0011 (0xFDCA2E03)
7 bits