

31	30	25	24	21	20	19	15	14	12	11	8	7	6	0	
funct7				rs2		rs1		funct3		rd			opcode		Tipo R
imm[11:0]						rs1		funct3		rd			opcode		Tipo I
imm[11:5]				rs2		rs1		funct3		imm[4:0]			opcode		Tipo S
imm[12]	imm[10:5]			rs2		rs1		funct3		imm[4:1]	imm[11]	opcode			Tipo B
imm[31:12]										rd			opcode		Tipo U
imm[20]	imm[10:1]			imm[11]		imm[19:12]			rd			opcode		Tipo J	

Função	Opcode	Funct3	Funct7	ALUControl	ALUOp
ADD	"0110011"	"000"	"0000000"	"0010"	"10"
SUB	"0110011"	"000"	"0100000"	"0110"	"10"
AND	"0110011"	"111"	"0000000"	"0000"	"10"
OR	"0110011"	"110"	"0000000"	"0001"	"10"
ADDI	"0010011"	"000"	////////////////	"0010"	?
LW	"0000011"	"010"	////////////////	"0010"	"00"
SW	"0100011"	"010"	////////////////	"0010"	"00"
BEQ	"1100011"	"000"	////////////////	"0110"	"01"
BNE	"1100011"	"001"	////////////////	"0110"	"01"

