1 addi 50,50-16 1 1 1 1 1 1 1 1 0 0			24/20/20/20/27/27/27/27/27/27/27/27/27/27/27/27/27/	CODMAAT.	LUEY CODE
Type			31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0	FORMAT	HEX CODE
Type	l addi si	n sn -16			FF010113
2 St Ca,8(sp)	1 0001 3	p,3p, ±0		l Type	1,1010113
31 27 26 25 24 20 19 15 14 12 11 7 6 0 0 0 0 0 0 0 0 0	2 sd ra	a,8(sp)		/ ٢٠	10113423
Second S		,			
31 27 26 25 24 20 19 15 14 12 11 7 6 0 0 0 1 1 1 1 1 1 1				S-type	
Table Tabl	3 li a	2,15		-	7FF00613
A			31 27 26 25 24 20 19 15 14 12 11 7 6 0		
31 27 26 25 24 20 19 15 14 12 11 7 6 0 0 0 0 0 0 1 1 1 1			imm[11:0] rs1 funct3 rd opcode	I-type	
Total Content Total Conten	4 lui a	0,0x21	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 0 1 0		15537
Total Content Total Conten			31 27 26 25 24 20 19 15 14 12 11 7 6 0		
5 Id ra,8(sp)		1		II-typo	
6 mv a1,a0		I		0-type	
6 mv a1,a0	5 ld ra	a,8(sp)	0 0 0 1 0 0 0 0 0 0 0 1 0 0 1 0 0 1		10113403
6 mv a1,a0			31 27 26 25 24 20 19 15 14 12 11 7 6 0		
6 mv a1,a0				I-type	
31 27 26 25 24 20 19 15 14 12 11 7 6 0 0 0 0 0 0 0 0 0			וווווווווווווווווווווווווווווווווווווו		
31 27 26 25 24 20 19 15 14 12 11 7 6 0 0 0 0 0 0 0 0 0					
31 27 26 25 24 20 19 15 14 12 11 7 6 0 0 0 0 0 0 0 0 0	6 mv a	1.a0			50593
Total Tota		,			
7 j 12df8					
31 27 26 25 24 20 19 15 14 12 11 7 6 0 mm[20 10:1 11 19:12] rd opcode			imm[11:0] rs1 funct3 rd opcode	I-type	
8 w a5,80(s0) 0 0 0 0 1 0 0 0 0 1 0 0	7 j 1	2df8	0 0 0 1 0 0 1 0 1 1 0 1 1 1 1 1 1 1 0 0 0 0 0 0 0 0 1 1 0 1 1 1 1 1		12DF806F
8 w a5,80(s0) 0 0 0 0 0 0 0 0 0		ļ			
8 lw a5,80(s0) 0 0 0 1 0 1 0 0 0 0 1 0 0 0 1 0 0 0 1 1 1 1 1 1 0 0 0 0 1 1 5042783 31 27 26 25 24 20 19 15 14 12 11 7 6 0 I-type 9 lh a3,16(a4) 0 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 0 1 0 0 0 1 1 0 1 0 1 0 1 0 1		1			
9 lh a3,16(a4) 0 0 0 0 0 0 1 0 0 0 0 0 0 0 1 0 0 0 0		Į	imm[20 10:1 11 19:12] rd opcode	J-type	
9 lh a3,16(a4)	8 lw a	5,80(s0)			5042783
9 lh a3,16(a4) 0 0 0 0 0 0 1 0 0 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 1 0 1 0 1 0 0 0 1		,	31 27 26 25 24 20 19 15 14 12 11 7 6 0		
31 27 26 25 24 20 19 15 14 12 11 7 6 0			imm[11:0] rs1 funct3 rd opcode	I-type	
	9 lh a	3,16(a4)	0 0 0 0 0 0 1 0 0 0 0 1 1 1 1 1 1 1 1 1		1011683
imm[11:0] rs1 funct3 rd opcode I-type					
<u> </u>			imm[11:0] rs1 funct3 rd opcode	I-type	

10 slli a5,a3,0x30		30697D3
	31 27 26 25 24 20 19 15 14 12 11 7 6 0	
	imm[11:0] rs1 funct3 rd opcode I-type	
11 srli a5,a5,0x30		307D7D3
	31 27 26 25 24 20 19 15 14 12 11 7 6 0	
	imm[11:0] rs1 funct3 rd opcode I-type	
	 	
12 and a3,a2,a3		D676B3
	31 27 26 25 24 20 19 15 14 12 11 7 6 0	
	funct7 rs2 rs1 funct3 rd opcode R-type	
	a3 = 13 a2 = 12 a3 = 13	
13 sw a5,-28(s0)		FEF42223
	31 27 26 25 24 20 19 15 14 12 11 7 6 0	
	imm[11:5] rs2 rs1 funct3 imm[4:0] opcode S-type	
	a5 = 15	
14 addiw a5,a5,1		17879B
	31 27 26 25 24 20 19 15 14 12 11 7 6 0	
	imm[11:0] rs1 funct3 rd opcode I-type	
	a5 = 15 a5 = 15	
15 addw a5,a4,a5		F707BB
	31 27 26 25 24 20 19 15 14 12 11 7 6 0	
	funct7 rs2 rs1 funct3 rd opcode R-type	
	a5 =15 a4 = 14 a5 = 15	