4. Data movement question: The first laboratory explored moving information to and from memory with the load and store instructions. Below is a small code fragment, followed by a memory and register contents description. Identify the locations in memory and the registers that are changed by the code fragment, and give the updated values.

Address BitPattern	Insruction
ffff0240 60000000	nop
ffff0244 3D00FFFF	lis r8,0xfffff4400@h
ffff0248 61084400	ori r8, r8, 0xfffff4400@l
ffff024c 81A80014	1wz r13,0x14(r8) → CCDD EEFF
ffff0250 A1E8000A	1hz (r15,0x0A(r8) > 00 00 23 33
ffff0254 89680017	lbz r11,0x17 (r8)
ffff0258 B0A80026	sth r5,0x26(r8)
ffff025c 99080033	stb r8,0x33(r8)
ffff0260 91480038	stw (r10, 0x38 (r8)
ffff0264 60000000	nop

	Ве	efore	After							
ro	$= 0 \times 000000000$	r1 = 0x11111111	r0 =	r1 =						
r2	= 0x22222222	r3 = 0x33333333	r2 =	r3 =						
r4	= 0x4444444	r5 = 0x55555555	r4 =	r5 =						
r6	= 0x66666666	r7 = 0x77777777	r6 =	r7 =						
r8	= 0x88888888	r9 = 0x99999999	r8 = 04888 888	r9 =						
r10	= 0xAAAAAAA	r11 = 0xBBBBBBBB	r10 = 0 KAAAAAAAAA	4r11 = 0 x 80 8 18 000						
r12	= 0xCCCCCCC	r13 = 0xDDDDDDDD	r12 =	r13 = 6x 0000						
r14	= 0xEEEEEEE	r15 = 0xFFFFFFFF	r14 =	r15 = OX FFF TOFF						
LR :	= 0x0000000	CTR = 0x00000000	LR =	CTR =						

I made a correction here

uuna	Address				1	-											
FFFF 9900	30004000	01	23	45	<b>2567</b>	89	AB	CD	EF	00	11	22	33	44	55	66	77
FFFF 4410 FFFF 4416 FFFF 4426	30004010	88	99	AA	BB	CC	DD	EE	FF	12	13	14	15	16	17	18	19
FFFF-4420	30004020	IA	113	10	10	1E	IF	10	20	30	40	50	60	70	80	20	AO
EPFF 4430	30004030	Bo	00	Do	EO	FO	111	20	21	22	23	24	52	26	27	8 5	79
	^																