I following is the simple implementation of RISC-V instruction subset (R-type, lw, sw, beq). Modify this diagram for the implementation to be able to also execute the following two instructions:

- yal - addi

Fill the truth table for these two instructions +

ĺ	I(Is I4 F, Io I, Io output																
1									mem-to-ry	Rywrite	memRead	men wite	brainch	ALVE	ALUOGO	Jump	Mon
R	0	1	1	٥	0	1	,	0	0)	0	. 0	0	4: J <u>(-3</u> .)	0		
lw	0	0	0	0	0	1	1	1 -	1	4150	y + 1 = 5	0	0	10	0		
sw.	0	1	0	0	0	1	1	1	×	0	0	1	0	0	Ð	100	
beg	1	1	0	0	0	1.	1	0	×	0	0.	0	. 1 .	0	-1		
jal	I -	ì	0	١	1	i	1	×	1	1	0	0	0	×	×	J	0
addi	0	0	1	0	0	1_	1	1	6	1	٥	0	0	0	· 0	0	×

