CS305: Computer Architecture

What's Wrong with JAL?

https://www.cse.iitb.ac.in/~biswa/courses/CS305/main.html

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JAL: Jump and Link, What's wrong?

PC+4   addi $R1, $R0, 2

PC+8   jal sum   // R31 = PC+12 (ra)

PC+12   add $R0, $R2, $R2

Well

Jump	j	J	PC=JumpAddr
Jump And Link	jal	J	R[31]=PC+8;PC=JumpAddr
Jump Register	jr	R	PC=R[rs]

As per MIPS specification, Check P&H MIPS sheet ☹

PC: jal label   ra = PC + 8

PC+4:

PC+8:

PC+4 or PC+8? Why this

PC+4 at the moment

PC+8 after a month or so ☺

Shukriya