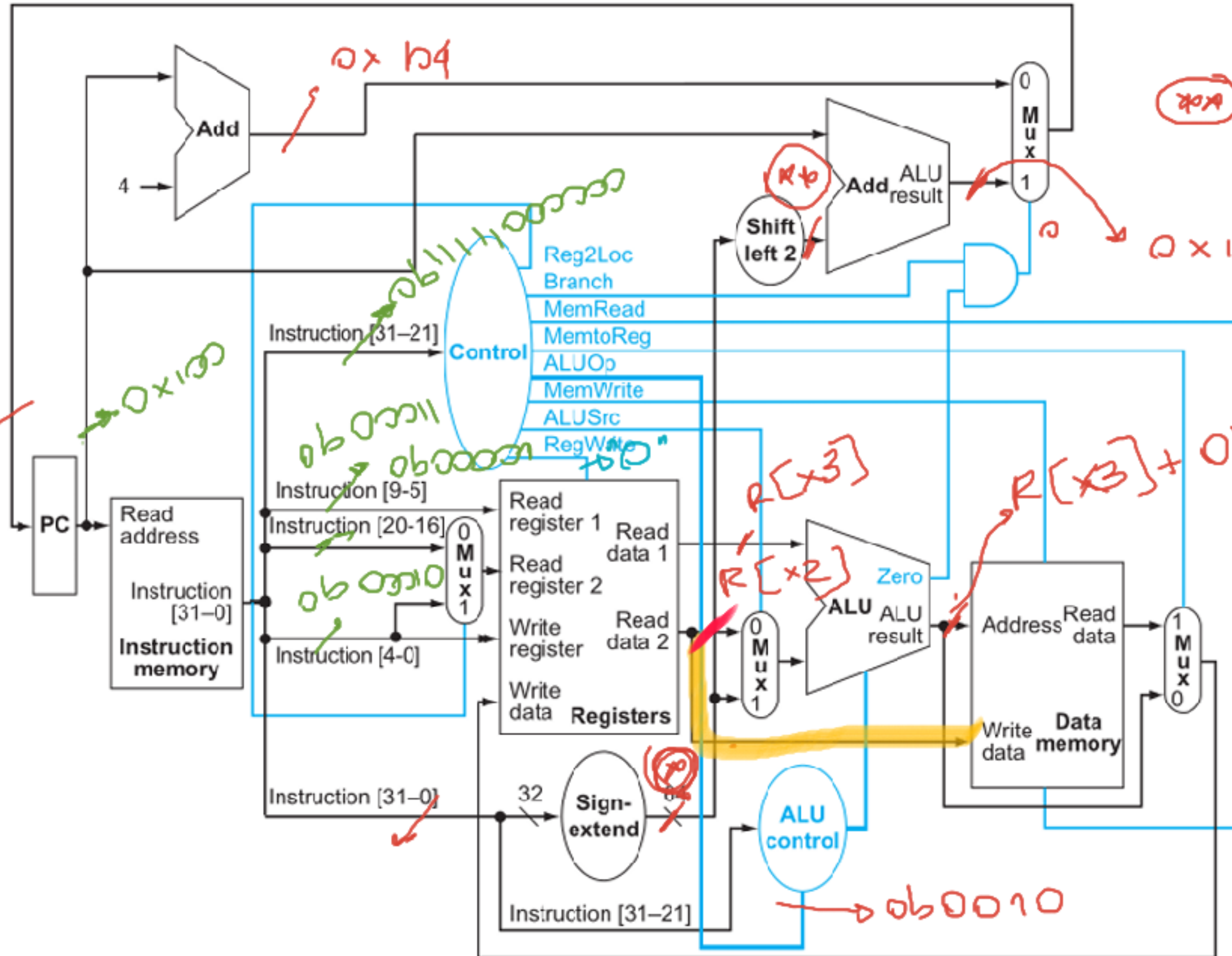


6

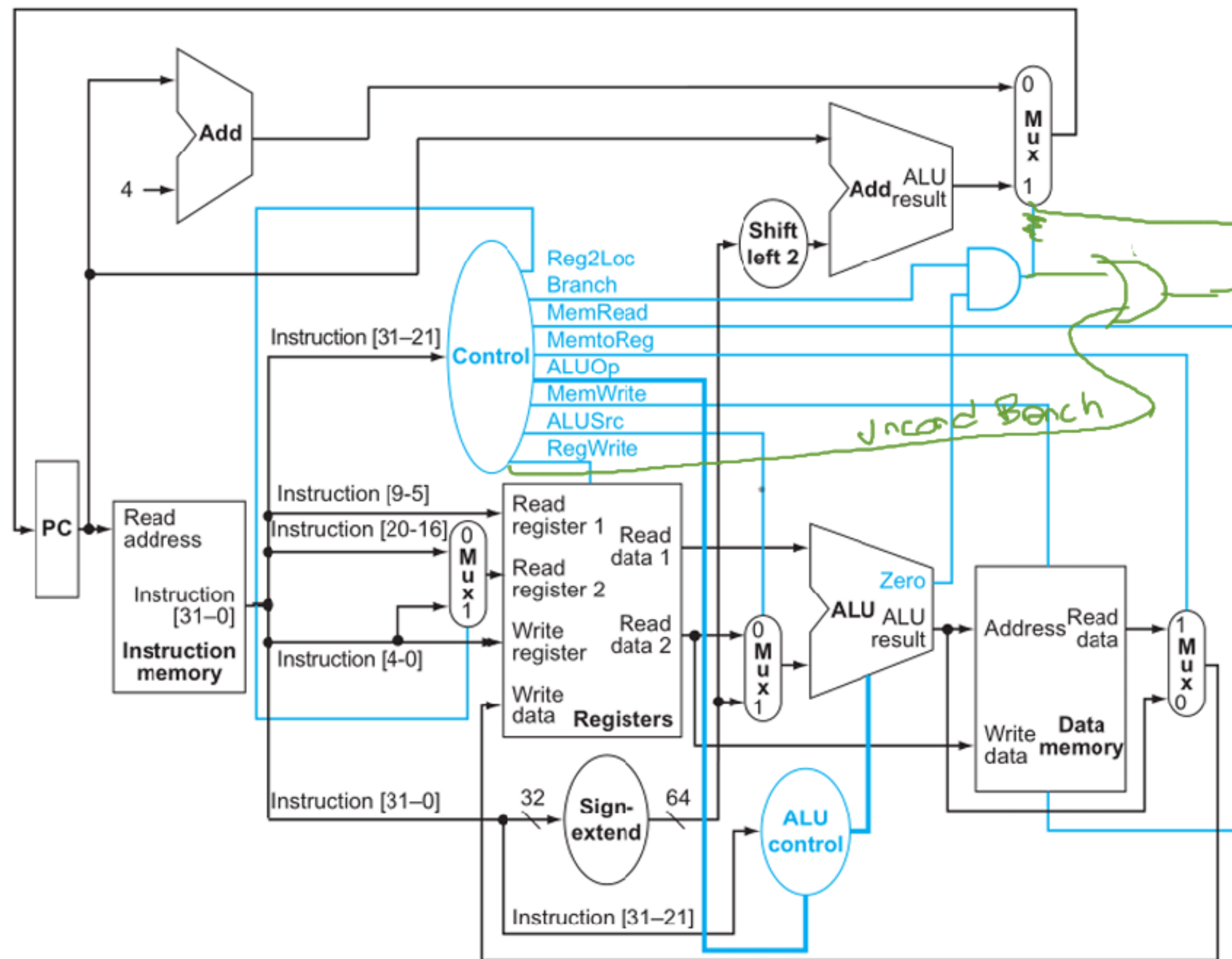
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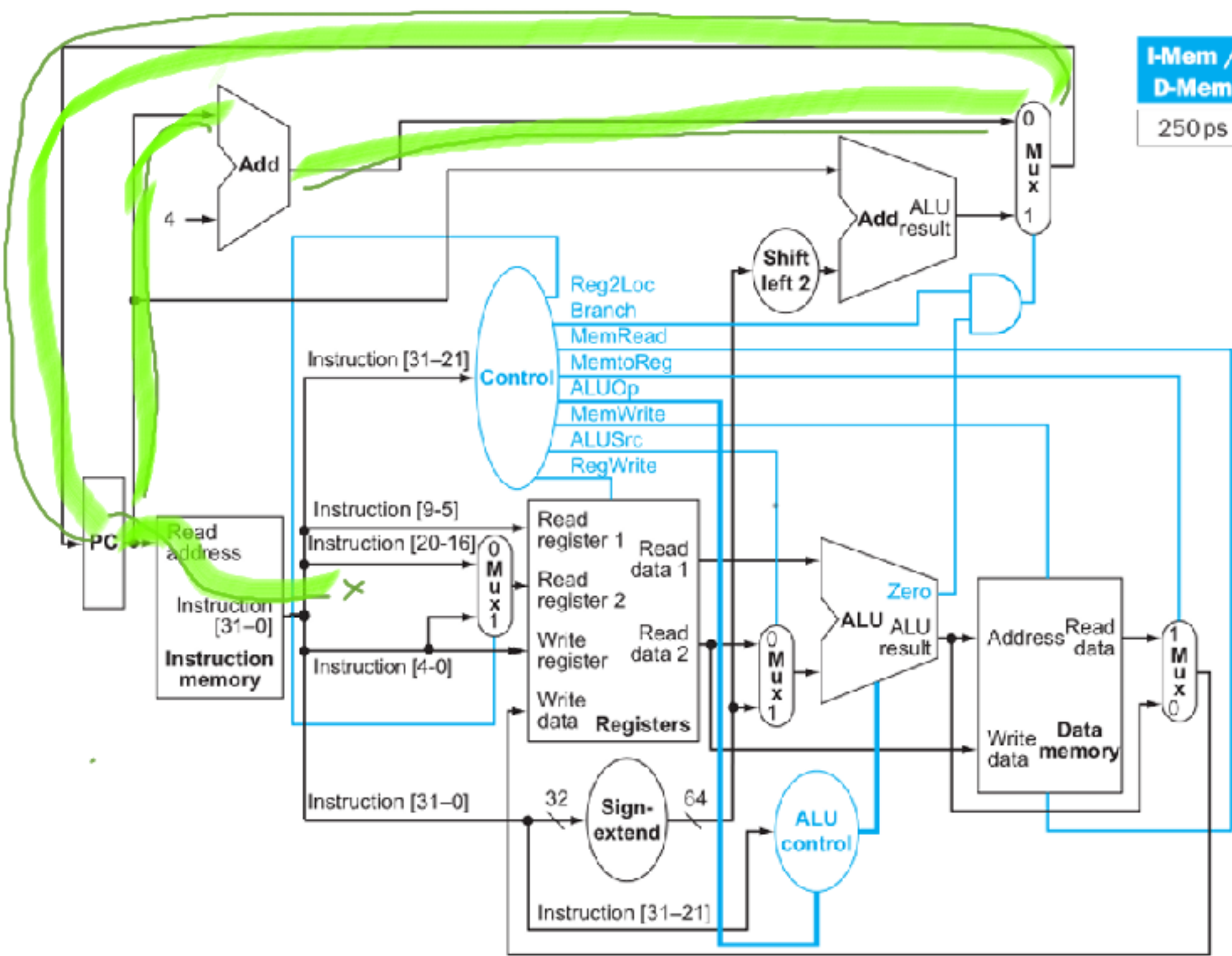
\equiv

0b1111 1000 0000 0001 0100 0000 0110 0010
7 C 0 = STUR
DT-act
x2



7

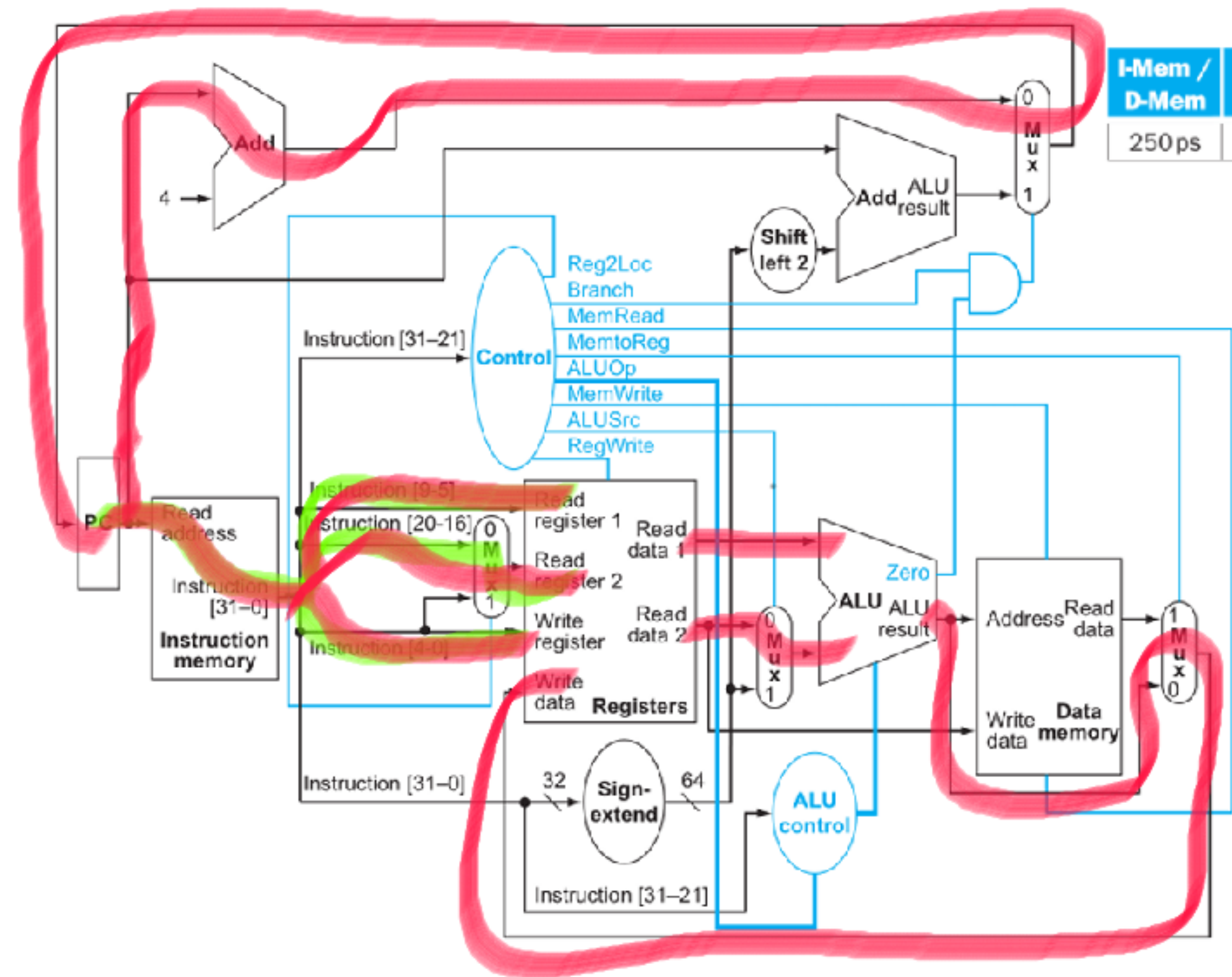




I-Mem / D-Mem	Register File	Mux	ALU	Adder	Single gate	Register Read	Register Setup	Sign extend	Control	SL2
250 ps	150 ps	25 ps	200 ps	150 ps	5 ps	30 ps	20 ps	50 ps	50 ps	25 ps

~~Req Read I-mem~~ ①
 Adder — Mux — Reg Setup ②

① 280 ps
 ② 225 ps

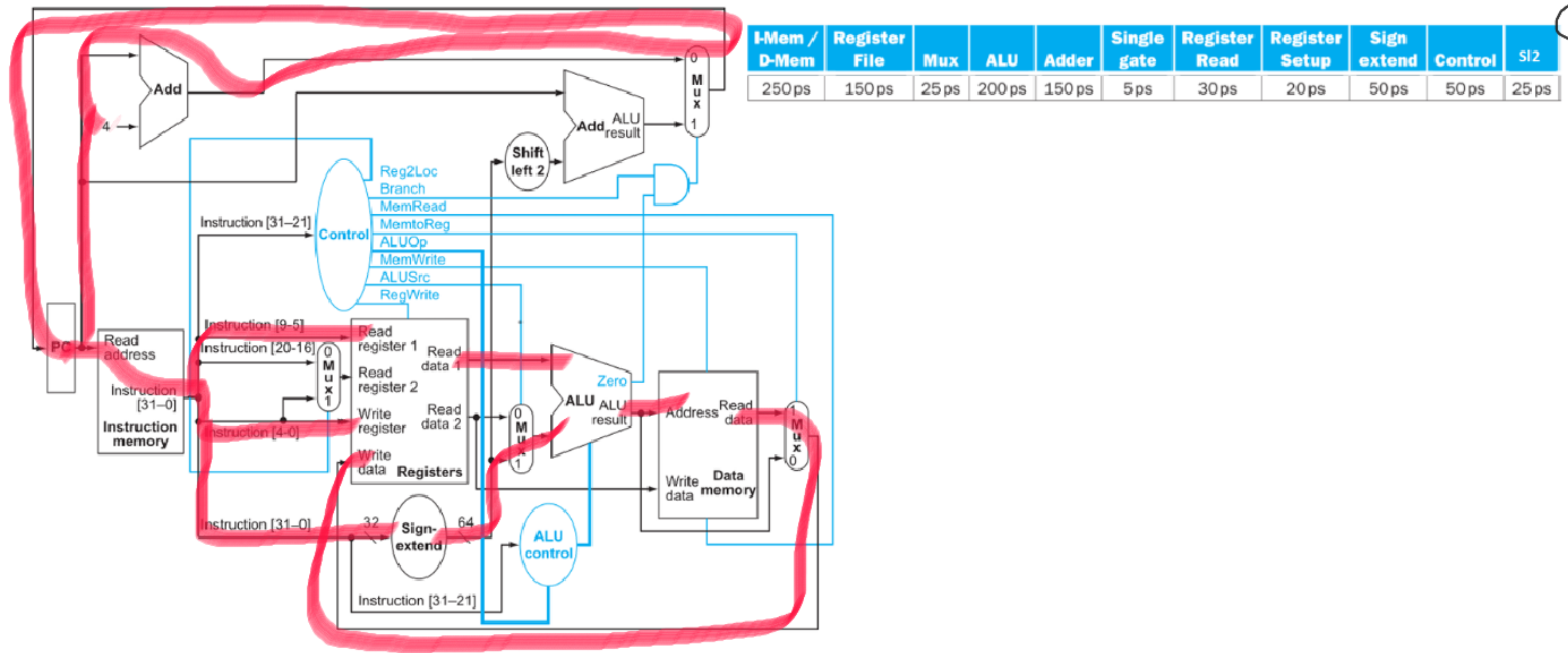


I-Mem / D-Mem	Register File	Mux	ALU	Adder	Single gate	Register Read	Register Setup	Sign extend	Control	SL2
250 ps	150 ps	25 ps	200 ps	150 ps	5 ps	30 ps	20 ps	50 ps	50 ps	25 ps

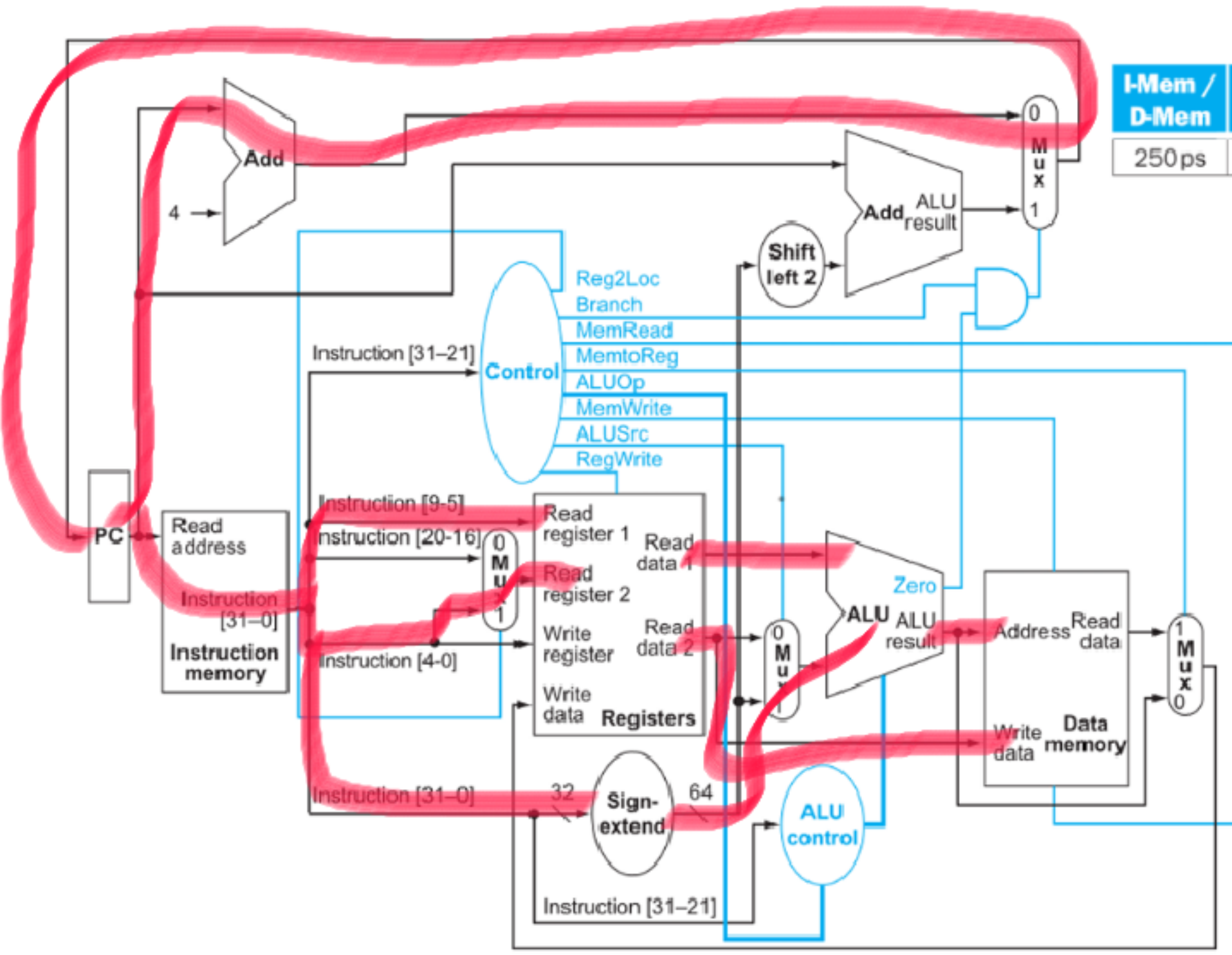


② Mux - RegSet = 725 ps

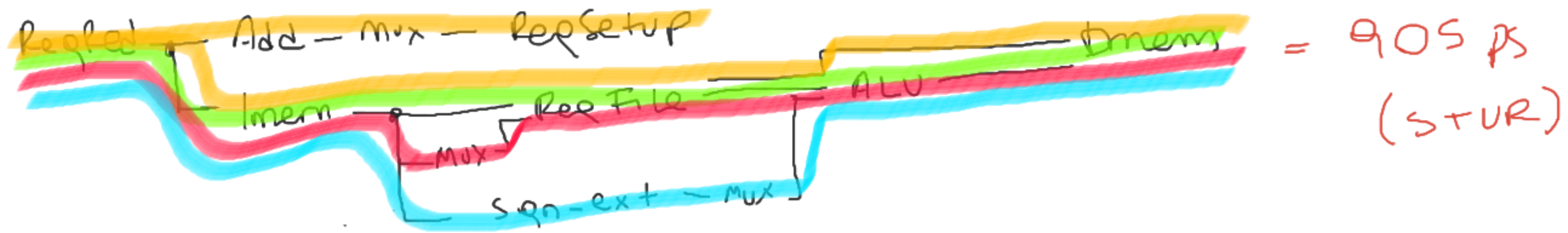
Tipo R

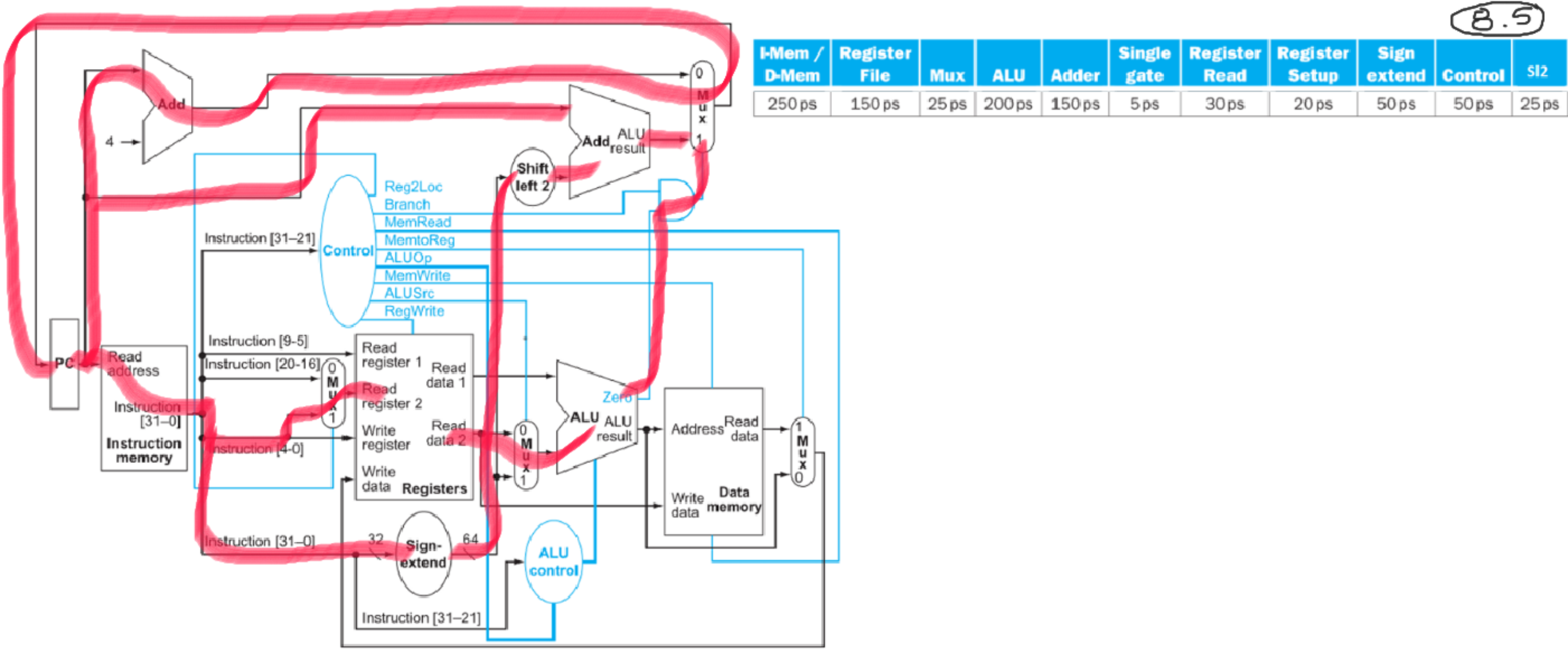


Reg Read + Add - Mux - Reg Setup
 Imem + Reg File - ALU - Dmem - Mux - Reg Setup
 Sign-Ext - Mux
 = 925 ps (LDUR)



I-Mem / D-Mem	Register File	Mux	ALU	Adder	Single gate	Register Read	Register Setup	Sign extend	Control	SL2
250 ps	150 ps	25 ps	200 ps	150 ps	5 ps	30 ps	20 ps	50 ps	50 ps	25 ps





Reg Read — Add — Mux — Reg Setup
 — Add —
 — Sign-extend — sl2 —
 — Mux — Reg File — Mux — ALU — gate —
 = 730 ps (LBZ)

