



ISTD 50.002 Computation Structures

Zhang Yue

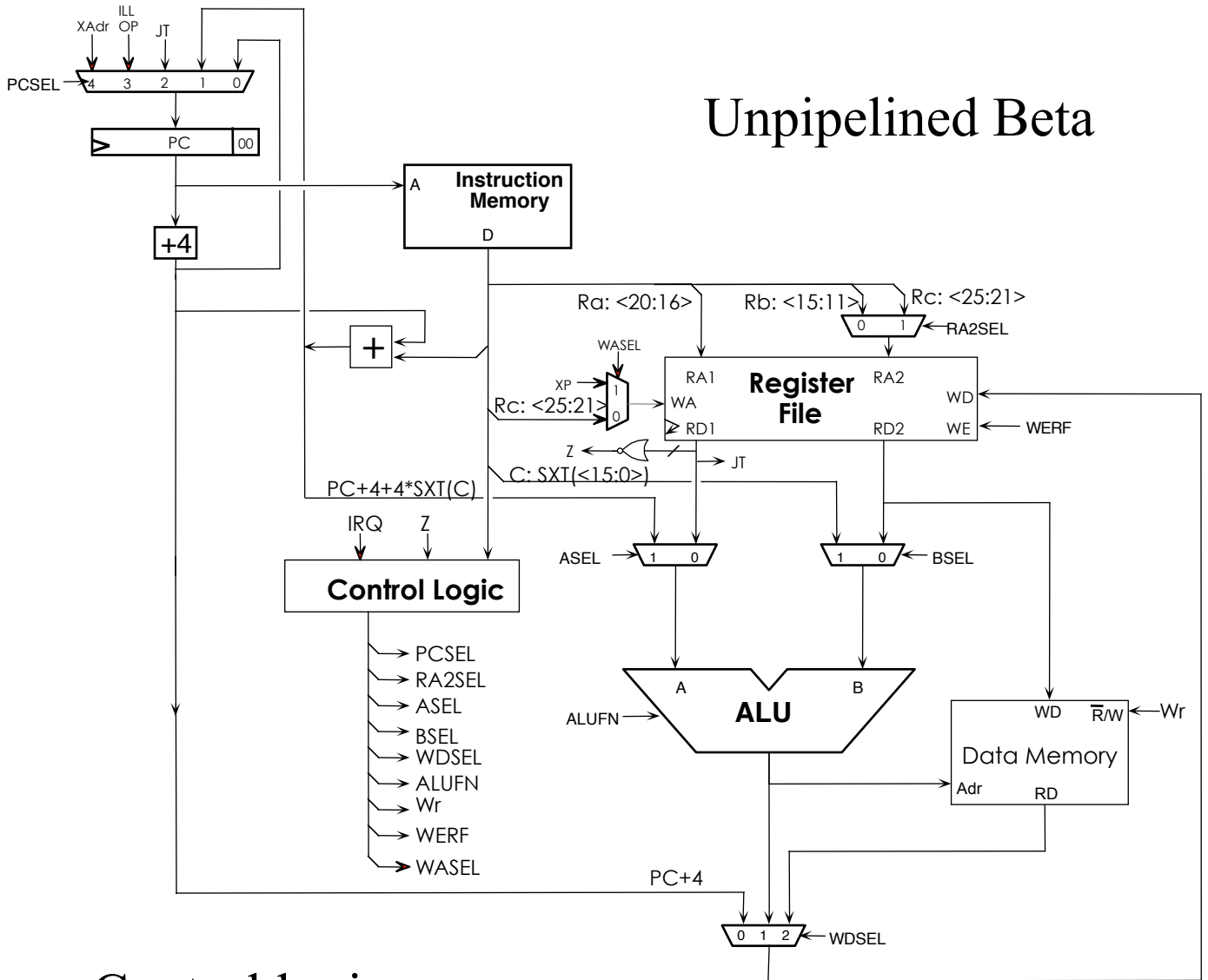
Oka Kurniawan

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Original creator: Lozano-Perez, Tomas, using materials originally developed by Christopher J. Terman and Stephen A Ward. Course materials for ISTD 103, Computation Structures. MIT-SUTD Collaboration, 2012.

Modified by: Oka Kurniawan, 2013.

Unpipelined Beta



Control logic:

	OP	OPC	LD	ST	JMP	BEQ	BNE	LDR	IlloP	IRQ
ALUFN	F(op)	F(op)	"+"	"+"	--	--	--	"A"	--	--
WERF	1	1	1	0	1	1	1	1	1	1
BSEL	0	1	1	1	--	--	--	--	--	--
WDSEL	1	1	2	--	0	0	0	2	0	0
WR	0	0	0	1	0	0	0	0	0	0
RA2SEL	0	--	--	1	--	--	--	--	--	--
PCSEL	0	0	0	0	2	Z ? 1 : 0	Z ? 0 : 1	0	3	4
ASEL	0	0	0	0	--	--	--	1	--	--
WASEL	0	0	0	--	0	0	0	0	1	1