RM = 0, Ext Imm = 2, in \$7 so incara val B"001_111_000_0000010", -- addi \$7,\$0,2 RD1 = 0, Ext. Imm = 7, \$0 va avaval B"001_000_001_0000111", -- addi \$0,\$1,7 RD1 = 0, Ext. Imm = 0, \$2 ve avea val RD1 = 0, Ext. Imm = 1, \$3 va avea val B"001_010_001_0000000", --addi \$2,\$1,0 B"001_011_001_0000001", --addi \$3,\$1,1 RD1 = 0, Ext. Im = 0, for va our wal B"001_100_001_0000000", --addi \$4,\$1,0 B"001_101_001_0000001", --addi \$5,\$1,1 Ext. im = 0, MEMCINJ=BZ, Membata = 0 B"011_100_010_0000000", --sw \$2,0(\$4) Extim = 0, MEM (\$5)=53, Mendota = 1 B"011_101_011_0000000", --sw \$3,0(\$5) Ext_in = 0) \$2 = MEM(\$h), randata = 0 B"010_100_010_0000000", --lw \$2,0(\$4) Ext- From = 01 \$3 = MEM [\$5] 1 Mendala = 1 RD1=0, RD2=1, So ve ava val 1 (0+1) B"010_101_011_0000000", --lw \$3,0(\$5) B"000_010_011_110_0_000", --add \$6,\$2,\$3 RD1=1, Ext.in=1, fqua aut valoura 3 Ext. Fm = 16 B"001_111_001_0000010", -- addi \$7,\$0,1 B"100_111_000_0010000", -- beq \$7,\$0,16 RD1=0, RD2=1, le va avec velgara 1 (04) B"000_001_011_010_0_000", --add \$2,\$1,\$3 RD1=0, RD2=1) for one valor 1/0+1) B"000_001_110_011_0_000", --add \$3,\$1,\$6 B"111_0000000001010", --j 10 Extim=0, ALURES=7; for a overval 8 B"011_000_110_0000000", -- sw \$6,0(\$0) Instructiville alese le-an incadrat in chen a rosa pe uma-toarele pagini totodata le-an evidentiat in 'tabelul' "Semule control MIPSIE".

ALURUS=L

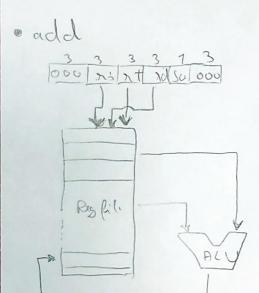
* desficere iteration abadi , la limie 10 RD1 si RD2 se ve modifica detaite linia 13, exerctio 14, ian ALURUS ve sutre ner sera din tre cai dai registi \$2 si \$3.

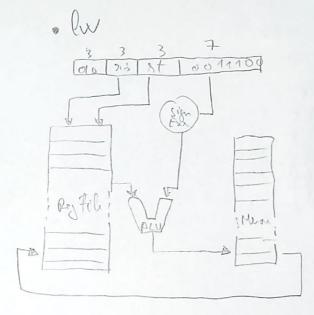
« Logical or unsigned constant: RFCrt] < RFC915] | Zext (imm)

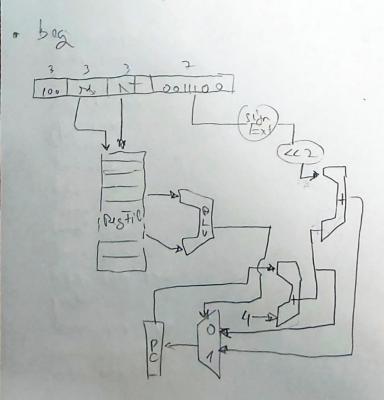
olif1, \$2,28

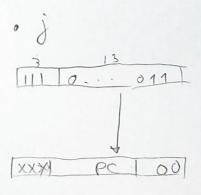
B"110-010-001-0011100"

Diagrame de procesale (pe exemple abside mine)









· Logical XOR: RFIND (RFINT) XX 12, 14, 17 B" 000_100_111_010-0-111" · Set on less than: if (RT[NS] ZRF[Nt]) then RF(Id] < 1 else RF[nd] <0 Set \$4,12, +3 B"000-010-011-100-0-000" Instruction de tip I · Add Immediate: RF CAT) = RF CAS) + S. Ext (mm) addi \$3,\$4,28 6"001_100_011_0011100" · Load Word: RFCNT] & M [RFCNS) + S. Ext (vim)] luf3, 28(\$5) B" 010 - 101_011_0011100" · Store Word: MIRFERT [At] + Sext (im) = RFENS] 512/ 3,28 (\$5) B"011_101_011_0011100" · Branch or Egnal = if (RF[M]=RF[M]) then PC = PC + 4+5-Ext(imm) <<2 beg \$3, \$4,28 B "100-100-011-0011100" . Logical AND unsigned constant. RFEATJERFEMS & 2 extim andi \$3, \$4,28 B"101-100-011-0011100"

Semnale control MIPS16 pentru Anexa 5

	Instruc țiune	Opcode Instr(15-13)	RegDst	ExtOp	ALUSrc	Branch	<br?></br?>	Jump	JmpR (optional)	Mem Write	Memto Reg	Reg Write	ALUOp (2:0)	func Instr(2-0)	ALUCtrl (2:0)
	add	000	1	0	0	O		0		0	O	1	000	000	000
5	sul	000	1	0	0	0		0		0	0	1	000	201	001
	300	000	1	0	0	0		0		0	0	1	000	010	010
	onl	000	1	0	0	0		0		ð	Q	1	000	011	011
	and	000	1	0	0	0		6		0	0	1	000	100	100
	or	000	1	0	0	0		0		0	Ð	1	000	101	101
	Xar	000	1	0	0	Ô		6		6	0	1	000	110	110
	set	800	1	0	0	0		0		0	0	1	000	111	111
	11/1/	11/1/19	11/1/	9///	4///	1///		11/		1//	4/11	111	111111	1/1/	11111
	addi	001	0	1	1	0		0		0	0	1	000	001	000
	lw	010	0	1	1	0		0		0	1	1	000	201	000
	SW	010	0	1	1	0		0		1	0	0	000	001	000
	600	100	0	1	0	1		0		0	0	0	010	210	001
	andi	101	6	1	1	0		0		0	0	1	101	121	100
	ori	110	0	1	1	0		0		0	0	1	110	110	101
	j	111	0	0	0	0		1		0	0	0	111	111	111

Abale care mu conta valoares pe un bit am pris-o ca o, desi o pritam prise ca x