

Semnale control MIPS16 pentru Anexa 5

$\langle ? \rangle \in \{ _gez, _ne, _gtz \}$

Tipuri de operații care se pun în paranteză la ALUOp si ALUCtrl: {(+), (-), (&), (|), (^), (<<l), (<<l_v), (>>l), (>>a), (<)}, & - AND, | - OR, ^ - XOR, l - logic, a - aritmetic, v - cu variabilă

Instrucțiune	Opcode <i>Instr(15-13)</i>	RegDst	ExtOp	ALUSrc	Branch	$\langle Br? \rangle$ (opțional)	Jump	JmpR (opțional)	MemWrite	MemtoReg	RegWrite	ALUOp (1:0)	func <i>Instr(2-0)</i>	ALUCtrl (2:0)
ADD	-000-	1	0	0	0		0		0	0	1	00(R)	-000-	000(+)
SUB	-000-	1	0	0	0		0		0	0	1	00(R)	-001-	001(-)
SLL	-000-	1	0	0	0		0		0	0	1	00(R)	-010-	010(<<l)
SRL	-000-	1	0	0	0		0		0	0	1	00(R)	-011-	011(>>l)
AND	-000-	1	0	0	0		0		0	0	1	00(R)	-100-	100(&)
OR	-000-	1	0	0	0		0		0	0	1	00(R)	-101-	101()
XOR	-000-	1	0	0	0		0		0	0	1	00(R)	-110-	110(^)
SLT	-000-	1	0	0	0		0		0	0	1	00(R)	-111-	111(<)
ADDI	-001-	0	1	1	0		0		0	0	1	01(+)		000(+)
LW	-010-	0	1	1	0		0		0	1	1	01(+)		000(+)
SW	-011-	0	1	1	0		0		1	0	0	01(+)		000(+)
BEQ	-100-	0	1	0	1		0		0	0	0	10(-)		001(-)
BNE	-101-	0	1	0	0	BNE 1	0		0	0	0	10(-)		001(-)
BGEZ	-110-	0	1	0	0	BGE Z 1	0		0	0	0	10(-)		001(-)
J	111	0	0	0	0		1		0	0	0	xx		xxx

URL: https://drive.google.com/open?id=1SI7x2Gp_2m3SEkwnXuGt4ns4voYzpGBH