Semnale control MIPS16 pentru Anexa 5

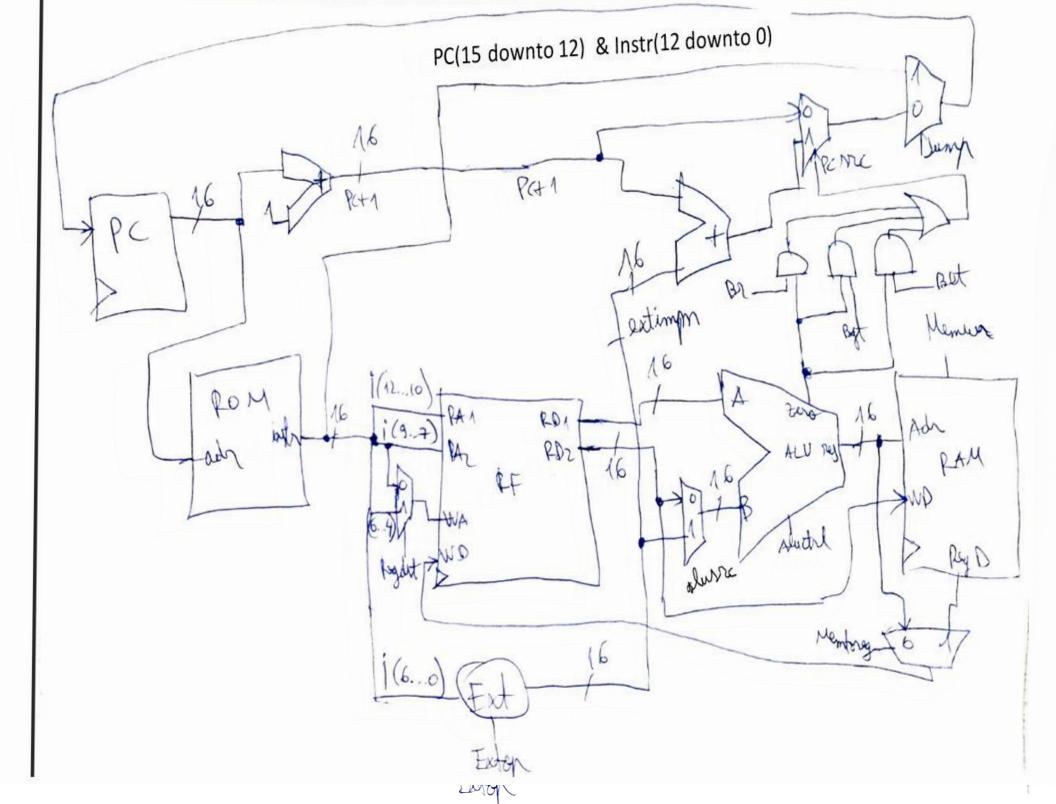
tip J

111 - jump

Opcode:

Opcode 000 - tip R tip I Func 000 – xnor Opcode: 001 – add 001 – lw 010 - sub 010 - sw 011 – sll 011 - beg 100 - srl 100 - bgt 101 – and 101 – blt 110 - or 110 - addi

!1 – xor				iio aaar								
Instructiune	Opcode Instr(15-13)	RegDst	ExtOp	ALUSrc	Branch	Blt	Bgt	Jump	Mem Write	Memto Reg	Reg Write	func Instr(2-0)
add	000	1	0	0	0	0	0	0	0	0	1	001
sub	000	1	0	0	0	0	0	0	0	0	1	010
sll	000	0	1	1	0	0	0	0	0	0	1	011
srl	000	0	1	1	0	0	0	0	0	0	1	100
and	000	1	0	0	0	0	0	0	0	0	1	101
or	000	1	0	0	0	0	0	0	0	0	1	110
xor	000	1	0	0	0	0	0	0	0	0	1	111
xnor	000	1	0	0	0	0	0	0	0	0	1	000
lw	001	1	1	1	0	0	0	0	0	1	1	
SW	010	0	1	0	0	0	0	0	1	0	0	
beq	011	0	1	0	1	0	0	0	0	0	0	
bgt	100	0	1	0	0	0	1	0	0	0	0	
blt	101	0	1	0	0	1	0	0	0	0	0	
addi	110	0	1	1	0	0	0	0	0	0	1	
Jump	111	0	0	0	0	0	0	1	0	0	0	



margine 21/5 0 lu \$15/1 mlm (3) 1 lu \$1,21 man(1) 2 lu 16 2, 5 , mem (2) 3 lug the the symp (7) (m. spole, astal 1) >4 rule 161, \$1, \$2 -- diferente deimpiritait-importation 5 oddi \$51\$0,1-incrementare cost _6 byt \$1,\$2,jmp (4) 7 / W mem(0), \$1 -- restal 8 Mu mem (9), \$15,-- costal 9 juit (odusa mai 213) (= 1 N=16 21-5=16 L=2 R=11 16-5=11 11-5=6 1-C=4>n=1 6-5=1 1 C5, final

and agent

ode instr de tip R oddition rul rubtraction shift left logical sol Mift right logical and logical AND logical OR 01 logical XOR xor logical XNOR xmor dodi add immediate just de tip i lu lood word SW store morb branch on qual beg branch on greater then light, branch on less than belt Juny into de tip J

phy

hermiere	Atuna 2 reg je men Thal3-lee!
operatel	\$ d = \$ 5 + \$ 1 : PC=PCPC
Farmat	000 000 ttt_ddd 0_001
10 11001	0007111000

8°0 00 01/4_100_010_0_

pule

Derviere Sade 2 reg je mem Pr al 3-lea Jule D			Juness	
Too too TXT WO X + P/2P/19	a Juli	Stade 2 reg fi mem In al 3-lea	sexiere	
Operand . ta & \$5- D1, 10=10+2 1000-10	B000-	Bac \$5- Bt, PCEPC+2	Operation	,
Sintara rule Hd, Hd, Ht		rule \$d \$5, \$t	Sinara	
Tornat 000_111_ttt_dad 0_010	2	000_111_ttt_dad 0_010	tomat	

mle \$13, \$4, \$5 6000-100-101-012010

M

.)	
besoner	Deployora la Hanga Cu M
operand	Bd & B & M PCEPC+
Suntaxi	Me sta sty sa
Former	000 111th ald h 011

NU \$5, \$3,1 000-000-011-101-1-91

ml \$6,\$5,1 Aplane la trayla la sa 000-000-101-110-1 100 Morelo \$ d < \$ +>> m in the them Suntaki 000_111_tt_had no 100 tornot and \$3, \$1, \$2 ma AND logic per rog, mem al 3-len 000-001-010-0110 Destrict Ad & BD & HT PCE PCAL Operation and Ad(B), Bt Ginali 000-111-tht dad 0 101 Format 01 H4, H1, N5 rou logic perry, man of 3-ba 9 000-001-101-100-0-110 Miller Rd & MAN Ht PCE PG+2 Opendil on \$10, \$1, \$t Sindaxa tornot xor \$5, \$4, \$2 Yor logic planey, men al 3-lex YON 000-001-010-101-01-01 Jeriere Bd C BA A Bt, PCCPCTZ Opendie Xon Hd, #1, #+ gintali 000_BM_Htdadd_8_111 Formal xner \$6,85,84 000-101-10011000 romy Xnor logic perry mon of 3-lex perhiere At PCEPCER 2 86 xnor 000- NA HE 0000

addi \$3,\$4,5 doldi 110-100-011-000001 solutione impolita lu a Cont Descrien Bt&Bs+Mmm; PCGPC+2 Operated addi \$t,\$1,imm gintera 140-303-th_iiiiii Format lu \$5, affect (\$6) hu 001-110-101-xxxxxx un wort market in reg Perrie to the MEMA[Astotlad]; PCEPC+2 situago lu & t roffert Chy sintaxa 001- 1/2 tt - iiiiiii Farmet mu offet Ctto, \$5 Mu un reg stockt om memorie 010-101-110-XXXXXXXX berlier BLEM CHATOHANT) EST , PCERCEZ Shrape mu that cht), A1 sintaxa Formit 010-501-ttt.iiiiii Jeey Golt conditional do a lite = Rotre 2 Neg if B() = = 16t then PCEPC+2+(other of 1) obse PCEPC+2; sexuilre Grandil Gindra leeg \$15, 8t, offret beg \$16, \$7, offet 011-101-tttiiliini Format

011-110-111-offict

Salt Cond doca reg a mai mon py le pexiere if CB 1> 1 + 1 then PCEPC+2 + Coffret ck 1) also PCEPC+2, gertie legt & 1, & t, offret 100-100/ # thailii Format lest \$5,\$7, offert 100-101-111-offret

if Chichthan PCerc+2+offet Cay else FCefc+2; blt Schier Charatil let \$5, \$t offset let 186,187,0ffret 101-110-111-offret Format talt la sareja PC = (PC+2) & 0xf 0000000 (target of 1) perhiere i target MAN - Lililitation in format

i offset