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# Test the MIPS processor.
# add, sub, and, or, slt, addi, lw, sw, beq, j
# If successful, it should write the value 7 to address 84
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#	Assembly	Description	Address	Machine	
main:	addi \$2, \$0, 5	# initialize \$2 = 5	0	20020005	20020005
	addi \$3, \$0, 12	# initialize \$3 = 12	4	2003000c	2003000c
	addi \$7, \$3, -9	# initialize \$7 = 3	8	2067fff7	2067fff7
	or \$4, \$7, \$2	# \$4 <= 3 or 5 = 7	c	00e22025	00e22025
	and \$5, \$3, \$4	# \$5 <= 12 and 7 = 4	10	00642824	00642824
	add \$5, \$5, \$4	# \$5 = 4 + 7 = 11	14	00a42820	00a42820
	beq \$5, \$7, end	# shouldn't be taken	18	10a7000a	10a7000a
	slt \$4, \$3, \$4	# \$4 = 12 < 7 = 0	1c	0064202a	0064202a
	beq \$4, \$0, around	# should be taken	20	10800001	10800001
	addi \$5, \$0, 0	# shouldn't happen	24	20050000	20050000
around:	slt \$4, \$7, \$2	# \$4 = 3 < 5 = 1	28	00e2202a	00e2202a
	add \$7, \$4, \$5	# \$7 = 1 + 11 = 12	2c	00853820	00853820
	sub \$7, \$7, \$2	# \$7 = 12 - 5 = 7	30	00e23822	00e23822
	sw \$7, 68(\$3)	# [80] = 7	34	ac670044	ac670044
	lw \$2, 80(\$0)	# \$2 = [80] = 7	38	8c020050	8c020050
	j end	# should be taken	3c	08000011	08000011
	addi \$2, \$0, 1	# shouldn't happen	40	20020001	20020001
end:	sw \$2, 84(\$0)	# write adr 84 = 7	44	ac020054	ac020054