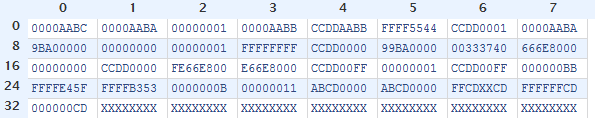
注意：本次测试中未涉及到的指令有：

**bgtz,bltz,jal**

注意：本次测试默认

**sw作为后序指令的所有转发与暂停均正确**

代码正确结果如下：



以下是出错地方对应的可能错误原因：

**0 :addu 1 :subu 2 :and 3 :or**

**4 :xor 5 :nor 6 :add 7 :sub**

**8 :sll**

**9 :sltu 10 :slt (若9和10结果一样，测试一下slt是否正常)**

**11 :mult-hi 12 :mult-lo(若11号寄存器为正数，测试mult指令)**

**13 :sllv 14 :srl 15 :srlv**

**16 :multu-hi 17:multu-lo**

**18 :sra 19:srav(若18和19不为负数，测试sra指令)**

**20 :addi 21:slti 22:addiu 23:andi**

**24 :div-hi 25:div-lo(若24和25不为负数，测试div指令)**

**26 :ori 27:xori 28:sltiu 29:lui**

**30 : sh(后四位),sb(前两位)**

**(若从左向右第3-4位有值不是零，说明bne的条件判断可能有错)**

**31 :sh 32:lbu**

**若最后进入死循环，地址在３１６０－３１６４之间变换**

**那么ｊａｌｒ，ｊｒ，ｂｇｅｚ，ｂｌｅｚ，ｊ应该是对的**

**指令码如下：**

**3405aabb**

**34060001**

**3c07ccdd**

**3c01ffff**

**34210000**

**00812025**

**375a3170**

**00a64821**

**ac090000**

**00a64823**

**ac090004**

**00a64824**

**ac090008**

**00a64825**

**ac09000c**

**00a74826**

**ac090010**

**00a64827**

**ac090014**

**00c74820**

**ac090018**

**00a64822**

**ac09001c**

**00e60018**

**00074940**

**ac090020**

**00e6482b**

**ac090024**

**00e6482a**

**ac090028**

**00008010**

**00008812**

**ac10002c**

**ac110030**

**00e60019**

**00c74804**

**ac090034**

**00074a82**

**ac090038**

**00c74806**

**ac09003c**

**00009010**

**00009812**

**ac120040**

**ac130044**

**00e5001a**

**00074943**

**ac090048**

**00c74807**

**ac09004c**

**20e900ff**

**ac090050**

**28e90001**

**ac090054**

**24e900ff**

**ac090058**

**30a900ff**

**ac09005c**

**0000a010**

**0000a812**

**ac140060**

**ac150064**

**34c9000a**

**ac090068**

**38a9aaaa**

**ac09006c**

**2ce90005**

**ac090070**

**3c09abcd**

**ac090074**

**10a50002**

**ac090070**

**8c090074**

**14a60002**

**80090072**

**a0090079**

**a409007a**

**ac09007c**

**a0090078**

**90090078**

**ac090080**

**0c000c53**

**00a00011**

**00c00013**

**03404809**

**00000000**

**18800001**

**00000000**

**08000c58**

**00000000**

**01200008**

**00000000**

**04c1fffd**

**00000000**

**代码如下：**

**#基础测试**

**ori $a1,$0,0xaabb**

**ori $a2,$0,0x0001**

**lui $a3,0xccdd**

**ori $a0,0xffff0000**

**ori $k0,0x00003170**

**addu $t1,$a1,$a2**

**sw $t1,0($0)**

**subu $t1,$a1,$a2**

**sw $t1,4($0)**

**and $t1,$a1,$a2**

**sw $t1,8($0)**

**or $t1,$a1,$a2**

**sw $t1,12($0)**

**xor $t1,$a1,$a3**

**sw $t1,16($0)**

**nor $t1,$a1,$a2**

**sw $t1,20($0)**

**add $t1,$a2,$a3**

**sw $t1,24($0)**

**sub $t1,$a1,$a2**

**sw $t1,28($0)**

**mult $a3,$a2**

**sll $t1,$a3,5**

**sw $t1,32($0)**

**sltu $t1,$a3,$a2**

**sw $t1,36($0)**

**slt $t1,$a3,$a2**

**sw $t1,40($0)**

**mfhi $s0**

**mflo $s1**

**sw $s0,44($0)**

**sw $s1,48($0)**

**multu $a3,$a2**

**sllv $t1,$a3,$a2**

**sw $t1,52($0)**

**srl $t1,$a3,10**

**sw $t1,56($0)**

**srlv $t1,$a3,$a2**

**sw $t1,60($0)**

**mfhi $s2**

**mflo $s3**

**sw $s2,64($0)**

**sw $s3,68($0)**

**div $a3,$a1**

**sra $t1,$a3,5**

**sw $t1,72($0)**

**srav $t1,$a3,$a2**

**sw $t1,76($0)**

**addi $t1,$a3,0xff**

**sw $t1,80($0)**

**slti $t1,$a3,1**

**sw $t1,84($0)**

**addiu $t1,$a3,0xff**

**sw $t1,88($0)**

**andi $t1,$a1,0xff**

**sw $t1,92($0)**

**mfhi $s4**

**mflo $s5**

**sw $s4,96($0)**

**sw $s5,100($0)**

**ori $t1,$a2,10**

**sw $t1,104($0)**

**xori $t1,$a1,0xaaaa**

**sw $t1,108($0)**

**sltiu $t1,$a3,5**

**sw $t1,112($0)**

**lui $t1,0xabcd**

**sw $t1,116($0)**

**beq $a1,$a1,fff**

**sw $t1,112($0)**

**lw $t1,116($0)**

**fff:bne $a1,$a2,qqq**

**lb $t1,114($0)**

**sb $t1,121($0)**

**qqq:sh $t1,122($0)**

**sw $t1,124($0)**

**sb $t1,120($0)**

**lbu $t1,120($0)**

**sw $t1,128($0)**

**jal hhh**

**mthi $a1**

**hhh:mtlo $a2**

**jalr $t1,$k0**

**nop**

**blez $a0,loop**

**nop**

**loop: j loop**

**nop**

**aaa: jr $t1**

**nop**

**bbb:bgez $a2,aaa**

**nop**