*assign $t1 = 1
*assign $t2 = 1

addiu - mem(0) = 1 ($zero + 1)
andi - mem(1) = 1 ($zero && 1)
ori - mem(2) = 1 ($zero || 1)
xori - mem(3) = 0 ($zero xor 1)
slti - mem(4) = 0 ($t1 < 0)
sltiu - mem(5) = 1 ($zero < 1)
addu - mem(6) = 2 ($t1 + $t1)
subu - mem(7) = -1 ($t1 - 2)
and - mem(8) = 1 ($t1 || $t1)
or - mem(9) = 1 ($t1 || $t1)
xor - mem(10) = 0 ($zero xor $zero)
nor - mem(11) = 1 ($zero nor $zero)
slt - mem(12) = 0 ($t1 < $t1)
sltu - mem(13) = 1 ($zero < $t1)
sll - mem(14) = 2 ($t1 <<< 1)
srl - mem(15) = 0 ($t1 >>> 1)
sra - mem(16) = 0 ($t1 >> 1)
sw - mem(0) = 1 (sw in mem(0x00))
lw - reg($t3) = 1 (lw from mem(0x00))
beq - reg($t5) = 1

- ในโค้ดจะทำการ beq $zero,$zero
- โดดไปยังตำแหน่ง branch
- $t5 = $zero + 1

bne - reg($t6) = 2

- $t6 = 0
- ในโค้ดจะทำการ bne $zero,$zero ซึ่งจะไม่ branch
- $t6 = $t6 + 1
- $t6 = $t6 + 1

j - reg($t7) = 1

- $t7 = 0
- Jump แล้ว $t7 = $t7 + 1

jr, jal - reg($t8) = 1 , reg($t9) = 2

- jal ไปยัง address ปลายทาง
- $t8 = $zero + 1
- jr ย้อนกลับไปยังตำแหน่งก่อน jal
- $t9 = $zero + 2