addi $t0, $zero, 8192

addi $t1, $zero, 8196

lw $t2, 0($t0)

addi $t3, $zero, 32767

addi $t4, $zero, 0

TopOfLoop:

lw $t2, 0($t0)

beq $t2, $zero, EndOfLoop

lw $t2, 0($t1)

blt $t3, $t2, TrueLessThan

add $t3, $t2, $zero

TrueLessThan:

bgt $t4, $t2, TrueGreaterThan

add $t4, $t2, $zero

TrueGreaterThan:

j TopOfLoop

EndOfLoop:

sw $t3, 4($t1)

sw $t4, 4($t1)