# this program builds the constant 0x78965432 in register $t4
.text
.globl main
main:    add $t4, $0, $0       #initialize $t4 to 0
lui $t4, 0x7896            #load 0x7896 into the upper
                        #16 bits of $t4
ori $t4, $t4, 0x5432      # perform the logical OR
                        #between $t0 and the value
                        #0x5432
li $v0, 10               # code for program end
syscall