.text

.global AckermannFunc

# Preconditions:

# 1st parameter ($a0) m

# 2nd parameter ($a1) n

# Postconditions:

# result in ($v0) = value of A(m,n)

AckermannFunc:

addi $sp, $sp, -8

sw $s0, 4($sp)

sw $ra, 0($sp)

# move the parameter registers to temporary - no, only when nec.

LABEL\_IF: bne $a0, $zero, LABEL\_ELSE\_IF

addi $v0, $a1, 1

# jump to LABEL\_DONE

j LABEL\_DONE