

; Example 6a: Calling a procedure

sw \$31, -4(\$30) ; save \$31 on stack

lis \$31

.word 4

sub \$30, \$30, \$31

lis \$1 ; call sumOneToN(13)

.word sumOneToN

lis \$2

.word 13

jalr \$1

lis \$31 ; restore \$31 from stack

.word 4

add \$30, \$30, \$31

lw \$31, -4(\$30)

jr \$31 ; return to OS