

```

.data
A:    .word  5
B:    .word  10

.globl outputAMsg
outputAMsg:
    .asciiz "\n A = "
    .globl outputBMsg
outputBMsg:
    .asciiz "\n B = "
    .globl blankMsg
blankMsg:
    .asciiz "    "

.text
.globl  foo

foo:
    lw    $t0, 0($a0)
    lw    $t1, 0($a1)
    sw    $t0, 0($a1)
    sw    $t1, 0($a0)
    jr    $ra

```

```

.globl main
main:
    addu   $s7, $0, $ra

    la     $a0, A
    la     $a1, B
    jal    foo

    li     $v0, 4
    la     $a0, outputAMsg
    syscall

    li     $v0, 1
    lw     $a0, A
    syscall

    li     $v0, 4
    la     $a0, blankMsg

    #Output B
    li     $v0, 4
    la     $a0, outputBMsg
    syscall

    li     $v0, 1
    lw     $a0, B
    syscall

    addu   $ra, $0, $s7
    jr     $ra
    add    $0, $0, $0

```