```
# FAC: TRABALHO 01
        .text
main:
        li $v0, 5        # load appropriate system call code into register $v0;
                         # code for reading integer is 5
        syscall          # call operating system to perform operation
        move $a0, $v0         # O PRIMEIRO VALOR LIDO DO TECLADO ESTA
DISPONIVEL EM $A0
        li $v0, 5        # load appropriate system call code into register $v0;
                         # code for reading integer is 5
        syscall          # call operating system to perform operation
        move $a1, $v0         # O SEGUNDO VALOR LIDO DO TECLADO ESTA
DISPONIVEL EM $A1

# ================== IMPLEMENTE AQUI SUA SOLUCAO: INICIO


blt $a0,0,printInvalido
blt $a1,0,printInvalido

move $s0, $a0 # primeiro valor
move $s1, $a1 # segundo valor
li $t0, 1 # resto


move $s4, $a0 # primeiro valor
move $s5, $a1 # segundo valor
li $t2, 1 # resto

DO_MMC:

        beq $t0,$zero, end
                div $t0, $s0, $s1
                mfhi $t0
                move $s0, $s1 #a = b
                move $s1, $t0 # b = resto
                j DO_MMC
end:

        mul $s3, $a0,$a1
        div $s3, $s3,$s0

# ================== IMPLEMENTE AQUI SUA SOLUCAO: FIM

    jal  print         # call print routine.
    li   $v0, 10        # system call for exit
```

```
        syscall              # we are out of here.

##########  routine to print messages
     .data
space:           .asciiz  " "        # space
new_line:        .asciiz  "\n"       # newline
string_MDC:   .asciiz  "MDC: "
string_MMC:  .asciiz  "\nMMC: "
invalido:        .asciiz  "Numero Invalido"
     .text
print:   la   $a0, string_MDC
         li   $v0, 4             # specify Print String service
         syscall                # print heading

         move  $a0, $s0         #
         li   $v0, 1             # specify Print Integer service
         syscall                # print $t0

         la   $a0, string_MMC        # load address of print heading
         li   $v0, 4             # specify Print String service
         syscall                # print heading

         move $a0, $s3          #
         li   $v0, 1             # specify Print Integer service
         syscall                # print $t1

         jr   $ra               # return
printInvalido:
         la   $a0, invalido     # load address of print heading
         li   $v0, 4             # specify Print String service
         syscall                # print heading

         li $v0, 10
         syscall
```