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Bài 3 :

Source code

.data

A: .Word 7, 2, 5,10,12

Aend: .word

.text

main:

la $a0, A # $a0 is addresh of the first element of array

la $a1, Aend # $a1 is adddresss of the last element of array

add $t9,$a1,-4

j loop

after\_sort:

li $v0, 10

syscall

end\_main:

check :

beq $t0,$t9,after\_sort

add $t0,$t0,4

j loopi

loop:

addi $t0, $a0,0 # $t0 is i run from 0 to n-2

loopi:

addi $t1,$t0,0 #$t1 is j run from i+1 to n-1

loopj:

addi $t1, $t1,4

lw $t3,0($t1)

lw $t4,0($t0)

slt $t5, $t4,$t3

bne $t5, $zero, swap

beq $t1,$a1,check

j loopj

swap:

sw $t3,0($t0)

sw $t4,0($t1)

beq $t1,$a1,check

j loopj

