

```

#Chương trình: if2(a>=-3 && a<=4)
#-----
        .include "macro.mac"
#Data segment
        .data
#Cac dinh nghia bien
int_a:   .word    0
int_b:   .word    1
int_c:   .word    2
#Cac cau nhac nhap du lieu
nhap_a:   .asciiz  "Nhap a: "
xuat_a:   .asciiz  "a = "
#-----
#Code segment
        .text
#-----
#Chương trình chính
#-----
main:
#Nhap (syscall)
        geti_p     nhap_a,int_a
#Xu ly
        #t0=a/DK/a, t1=a+3/a-4, t4=b, t5=c
                lw     $t0,int_a
                lw     $t4,int_b
                lw     $t5,int_c
        #if1(DK1):(a+3>=0) dua ve so sanh voi 0
                addi   $t1,$t0,3
                bltz   $t1,else1      # dao dk
        # then1
                # if2(DK2):(a-4<=0)
                        subi   $t1,$t0,4
                        bgtz   $t1,else1      # dao dk
                # then2                                # dung && dung, lam then
                        sub     $t0,$t4,$t5    #a=b-c
                        sw     $t0,int_a
                        j       endif1
                # else1 (bo else2 va endif2)
else1:
                add     $t0,$t4,$t5    #a=b+c
                sw     $t0,int_a
        # endif1
endif1:
#Xuat ket qua (syscall)
        puti_p     xuat_a,int_a
#ket thuc chuong trinh (syscall)
Kthuc:   addi     $v0,$zero,10
        syscall
#-----

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