

```

#Chương trình: if2 (a>=-3 && a<=4)
# -4 | 5 -> tong; -3 | 4 -> hieu
#-----
#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_kq: .asciiz "a= "
#-----
#Code segment
.text
.globl main
#-----
#Chương trình chính
#-----
main:
#Nhap (syscall)
    la $a0,Nhap_a
    addi $v0,$zero,4
    syscall
    addi $v0,$zero,5
    syscall
    sw $v0,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)
    addi $t1,$t0,3
    bltz $t1,else1 # kiem tra dao re nhanh
    # then1
    # if2 DK2: (a-4<=0)
    subi $t1,$t0,4
    bgtz $t1,else1 # kiem tra dao re nhanh
    # then2
    sub $t0,$t4,$t5
    j endif1
    # else1
else1:
    add $t0,$t4,$t5
    # endif1
endif1: sw $t0,int_a
#Xuat ket qua (syscall)
    la $a0,Xuat_kq
    addi $v0,$zero,4
    syscall
    lw $a0,int_a
    addi $v0,$zero,1
    syscall

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#ket thuc chuong trinh (syscall)
Kthuc:      addiu      $v0,$zero,10
            syscall
#-----
```