```
#Chuong trinh: 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
#-----------------------------------
#Chuong trinh chinh
#-----------------------------------
main:
#Nhap (syscall)
          geti_p    nhap_a,int_a
#Xu ly cach 1 dung set-less-then
  #DK:(DK1 && DK2);           DK1:(a>=-3); DK2:(a<=4)
  #Dao dk dua ve < hoac >     DK1':(a<-3); DK2':(a>4)
  #t0=a/DK/a,t1=-3/4,t2=DK1'/DK1,t3=DK2'/DK2,t4=b,t5=c
          lw        $t0,int_a
          lw        $t4,int_b
          lw        $t5,int_c
  # if2(DK)
    # tinh DK1':(a<-3)
          addi      $t1,$zero,-3
          slt       $t2,$t0,$t1
    # dao ve DK1
          xori      $t2,$t2,1
    # tinh DK2':(a>4)
          addi      $t1,$zero,4
          slt       $t3,$t1,$t0
    # dao ve DK2
          xori      $t3,$t3,1
    # tinh DK
          and       $t0,$t2,$t3
    # kiem tra: chon dk sai, bo qua then
          beq       $t0,$zero,else2
  # then2
          sub       $t0,$t4,$t5    #a=b-c
          sw        $t0,int_a
          j         endif2
  # else2
else2:
          add       $t0,$t4,$t5    #a=b+c
          sw        $t0,int_a
  # endif2
endif2:
#Xuat ket qua (syscall)
```

```
          puti_p    xuat_a,int_a
#ket thuc chuong trinh (syscall)
Kthuc:    addi      $v0,$zero,10
          syscall
#-----------------------------------
```