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#Chuong trinh: switch-case
#-----
#Data segment
    .data
#Cac dinh nghia bien
int a: .word 0
int_b: .word 101
int_c: .word 2
int_in: .word 0
#Cac cau nhac nhap du lieu
Nhac_in: .asciiz "Nhap input: "Nhac_kq1: .asciiz "Case("
Nhac kq2: .asciiz "): a = "
Ngan: .asciiz "\n----\n"
#-----
#Code segment
    .text
    .qlobl main
#-----
# Chuong trinh chinh
#-----
main:
#Nhap (syscall)
  #Nhap intput
    la $a0, Nhac in
    addi $v0,$zero,4
    syscall
    addi $v0,$zero,5
    syscall
    sw $v0, int in
#Xu ly
 # a=0
    sw $zero, int a
  \# t0=a/kq , t1=input, t2=case values, t3=b, t4=c
    #lw $t0, int a
    lw $t1, int in
    lw $t3,int_b
    lw $t4, int c
  #switch (input)
    addi $t2,$zero,1
    beq $t1,$t2,case1
    addi $t2,$zero,2
    beg $t1,$t2,case2
    addi $t2,$zero,3
    beq $t1,$t2,case3
    addi $t2,$zero,4
    beq $t1,$t2,case4
       default
  #case1: val=1 a=b+c
case1: add $t0,$t3,$t4
    sw $t0, int a
    j end sw #break
  #case2: val=2 a=b-c
case2: sub $t0,$t3,$t4
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sw $t0, int a
    j end sw
 #case3: val=3 a=b*c
case3: mul $t0,$t3,$t4
    sw $t0,int_a
j end_sw
 #case4: val=4 a=b/c
case4: div $t3,$t4
   mflo $t0
    sw $t0,int_a
    j end sw
 #default:
default: nop
end sw:
#Xuat ket qua (syscall)
    la $a0, Nhac kq1
    addi $v0,$zero,4
    syscall
    lw $a0, int in
    addi $v0,$zero,1
    syscall
    la
        $a0, Nhac kq2
    addi $v0,$zero,4
    syscall
    lw $a0, int a
    addi $v0,$zero,1
    syscall
# do-while(1)
lamlai:
    la $a0, Ngan
    addi $v0,$zero,4
    syscall
    j main
#ket thuc chuong trinh (syscall)
Kthuc: addi $v0,$zero,10
    syscall
```