```
        .data
atable: .byte 0, 0, 0, 0
btable: .byte 10, 252, 251, 10
ctable: .byte 10, 5, 6, 1

        .text
    .globl main

main:
    add $t4, $zero, $zero   # i is initialized to 0, $t4 = 0
    la $t0, atable
    la $t1, btable
    la $t2, ctable
Loop:
    add $t5, $t4, $t1       # $t5 = address of b[i]

    lb $t6, 0($t5)          # $t6 = b[i]
    add $t5, $t4, $t2       # $t5 = address of c[i]

    lb $t7, 0($t5)          # $t7 = c[i]

    add $t6, $t6, $t7       # $t6 = b[i] + c[i]
    add $t5, $t4, $t0       # $t5 = address of a[i]
    sb $t6, 0($t5)          # a[i] = b[i] + c[i]
    addi $t4, $t4, 1        # i = i + 1
    slti $t5, $t4, 4        # $t5 = 1 if $t4 < 5, i.e. i < 2
    bne $t5, $zero, Loop    # go to Loop if i < 5

    jr $ra

    # alternate exit
exit:
    li $v0, 10
    syscall
```