

```

        move    $s0, $zero    # i = 0
for1tst:slt  $t0, $s0, $a1    # reg $t0 = 0 if $s0 ≥ $a1 (i ≥ n)
        beq     $t0, $zero, exit1  # go to exit1 if $s0 ≥ $a1 (i ≥ n)
        . . .
        (body of first for loop)
        . . .
        addi    $s0, $s0, 1    # i += 1
        j       for1tst       # jump to test of outer loop
exit1:

```

Unn Fig. 2-45.