```
move $s0, $zero \# i = 0

for1tst:slt $t0, $s0, $a1 \# reg $t0 = 0 if $s0 \ge $a1 (i\gen)

beq $t0, $zero,exit1 \# go to exit1 if $s0 \ge $a1 (i\gen)

...
(body of first for loop)

...
addi $s0, $s0, 1 \# i += 1

j for1tst \# jump to test of outer loop

exit1:

Unn Fig. 2-45.
```

Copyright © 2021 Elsevier Inc. All rights reserved