

See page 354, # 9.6 (b)

Extend Triangle with an additional (for) loop

```
for I from E1 to E2 do C
```

is executed as follows:

- First the expressions E1 and E2 are evaluated, yielding the integers m and n, respectively.
- Then the subcommand C is executed repeatedly, with identifier I bound in successive iterations to each integer in the range m through n.
- If $m > n$, C is not executed at all.

(the scope of I is C, which may use the value of I but may not update it. The types of E1 and E2 must be Integer.)

Here is an example:

```
for n from 2 to m do
  if prime(n) then
    putint(n)
```

N.B.! First give a clear and simple specification of the for loop.

Turn in:

Demo and code walk-thru.

I will ask for hardcopy of specific routines at the demo.

Grade based on:

Satisfying spec.

Elegance.