

Directions:

You are being asked to help document the Trace-3.bas program. Write a brief description of how each of the following variables are used:

Variable	Variable Use
N	110 N = 10 115 P = 0 120 I = 2
P	200 REM Top-of-loop 210 IF P = N THEN 900 220 F = 0 230 M = I \ 2
M	250 J = 2 500 IF J > M THEN 700 503 R = I MOD J
I	510 IF R > 0 THEN 600 511 REM if r = 0 then do this: 520 F = F + 1 600 J = J + 1
J	620 GOTO 500 700 IF F > 0 THEN 800 701 REM If f = 0 then do this
F	710 PRINT "P: ",I 720 P = P + 1 800 I = I + 1
R	810 GOTO 200 900 REM End-of-Loop 910 PRINT "Program terminating."

What is the output of this program?