Pgm. F

```
      A=2
      X=A
      Y=A
40    WRITE(*,*) X,Y
      Y=Y+A
      IF( Y.GT.199 ) GOTO 80
      GOTO 40
80    X=X+A
      Y=A
      IF( X.GT.199 ) GOTO 120
      GOTO 40
120   A=A+1
      Y=A
      X=A
      IF( A.GT.199 ) GOTO 160
160   STOP
      END
```