

C

VYPOLET $G(x)$

READ(1,1) X

1 FORMAT(E12.0)

IF (X) 2,3,3

2 $F = X * X * 2 + 1.$

ASSIGN 11 TO I

GO TO 6

3 IF (X-1.) 4,5,5

4 $F = X * X * 5 - 1$

ASSIGN 12 TO I

GO TO 6

5 $F = X * X * 7 + 1.$

ASSIGN 13 TO I

6 $S = F$

DO 7 K=2,10

7 $S = S * F + F$

GO TO I, (11, 12, 13)

11 $G = \text{SQRT}(S)$

GO TO 20

12 $G = S * (1./3.)$