

Harmon 2.F

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DIMENSION W(100),X(100)
READ(*,*) A,B,C
D=(B-A)/C
E=SIN(A)
A=A+D
F=SIN(A)
60  IF( F.GT.E ) GOTO 80
    IF( F.LT.E ) GOTO 130
80  IF( F.GT.E ) GOTO 100
    W(N)=A
    X(N)=SIN(A)
    N=N+1
    GOTO 60
100 E=F
    A=A+D
    F=SIN(A)
    IF( A.GT.B ) GOTO 180
    GOTO 100
130 IF( F.LT.E ) GOTO 150
    W(N)=A
    X(N)=SIN(A)
150 E=F
    A=A+D
    F=SIN(A)
    IF( A.GT.B ) GOTO 180
    GOTO 130
180 DO 200 R=0 , N
    WRITE(*,*) W(R),X(R)
200 CONTINUE
END
```