

Butterfly Demo#

General Information

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Language: ACTION!

Compiler/Interpreter: ACTION!

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```
; butterfly by michael mitchell
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PROC DEMO2()
CARD A,B,C,D,X,Y,J,K,COL,I,Q
    Graphics(11)

    Poke(710,0)
    Color=00
    A=1 B=1 C=1 D=1
    X=Rand(70)+1
    Y=Rand(190)+1
    J=Rand(50)+1
    K=Rand(190)+1

    For I=1 TO 9400
    DO
        Plot(X,Y)
        Drawto(J,K)
        Plot(J,Y)
        Drawto(X,K)
        X==+A
        Y==+B
        J==+C
        K==+D

        Q=Rand(50)
        IF Q>40 THEN
            COL==+1
        FI
        IF COL>14 THEN
            COL=1
        FI

        COLOR=COL

        IF X>=79 THEN A=-A X==+A FI
        IF J>=79 THEN C=-C J==+C FI
        IF J<=0 THEN C=-C J==+C FI
        IF X<=0 THEN A=-A X==+A FI
        IF Y>=191 THEN B=-B Y==+B FI
        IF K>=191 THEN D=-D K==+D FI
        IF K<=0 THEN D=-D K==+D FI
        IF Y<=0 THEN B=-B Y==+B FI

    OD
RETURN
```