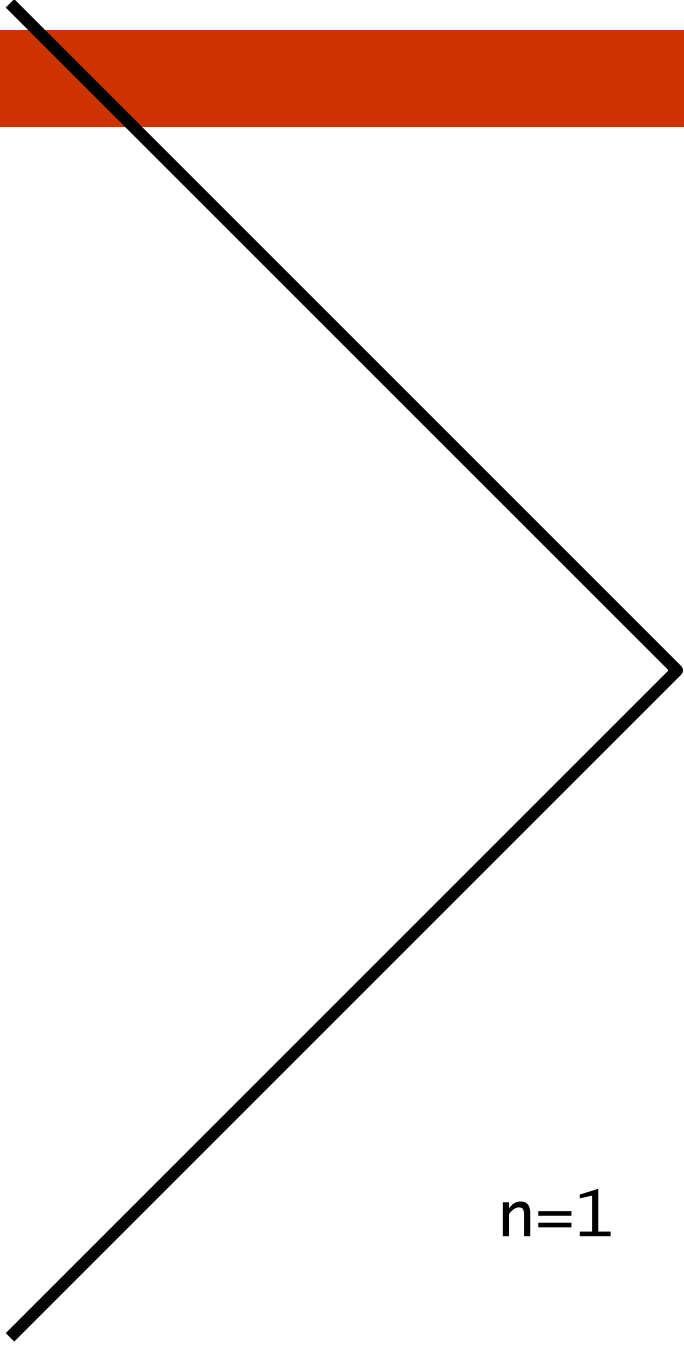


$2^{12}=4096$

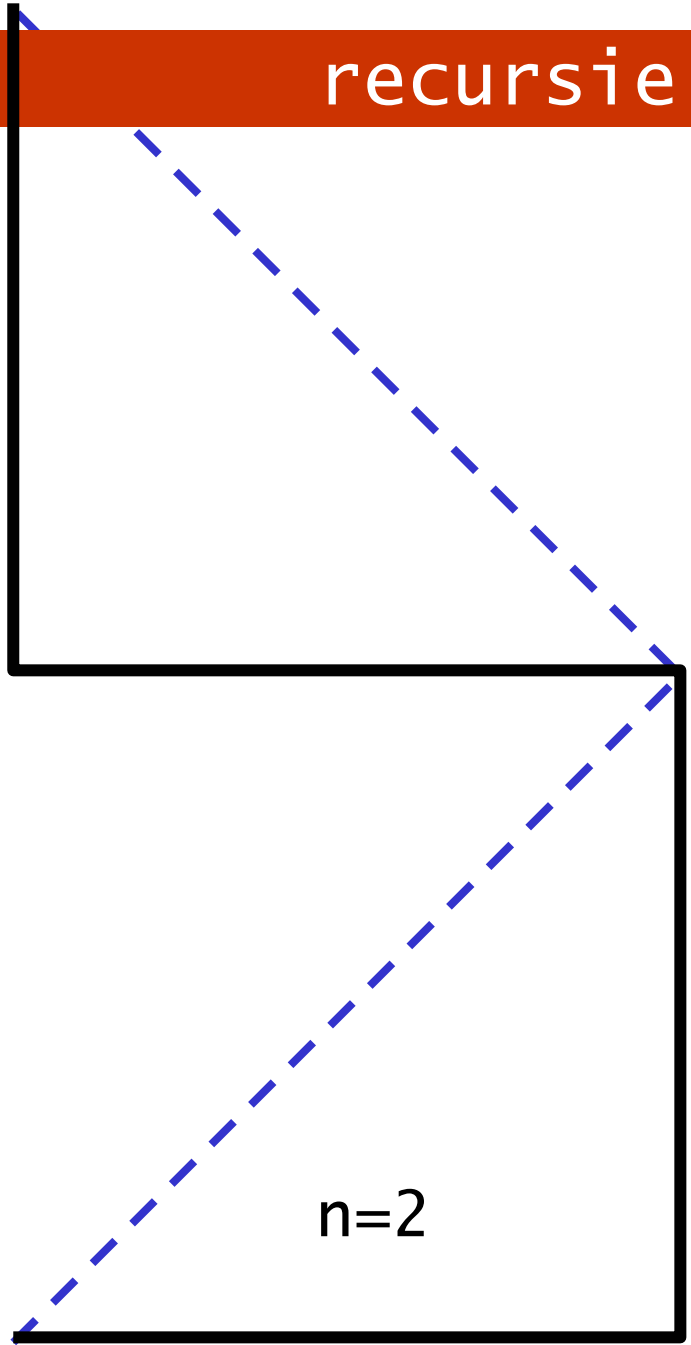




recursie

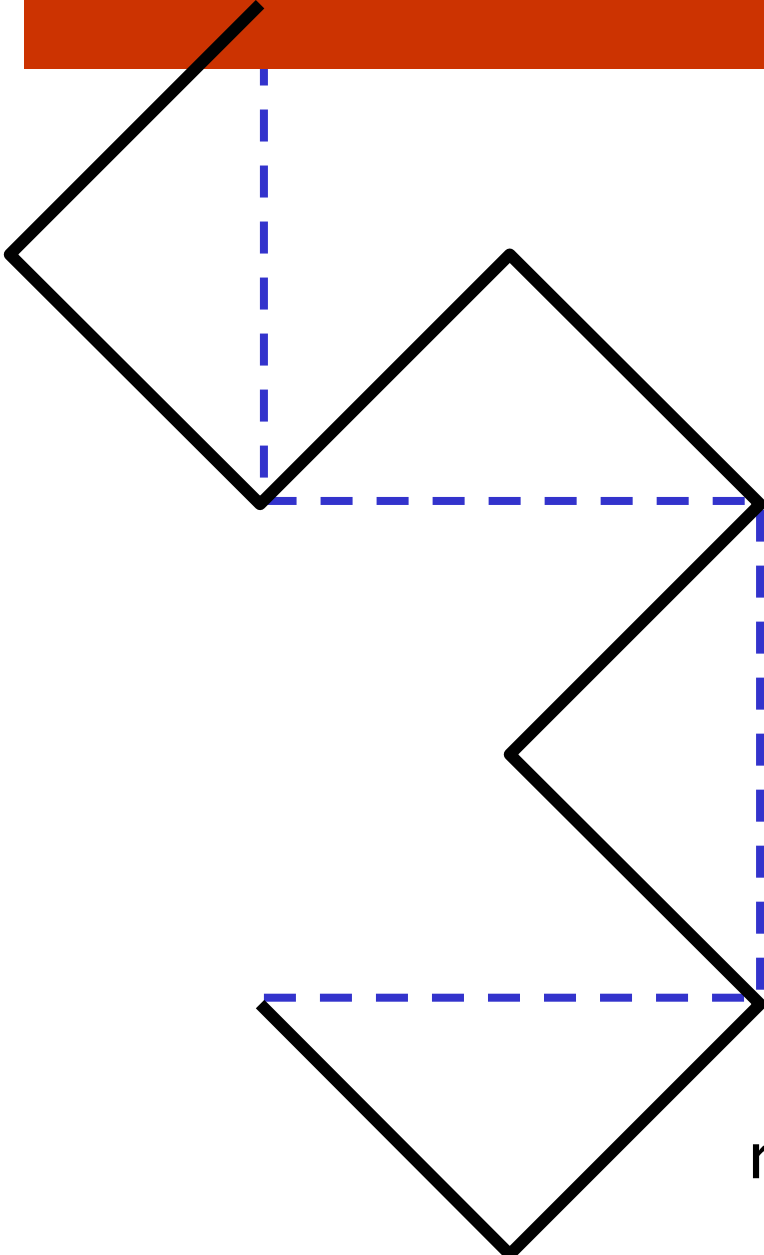


n=1

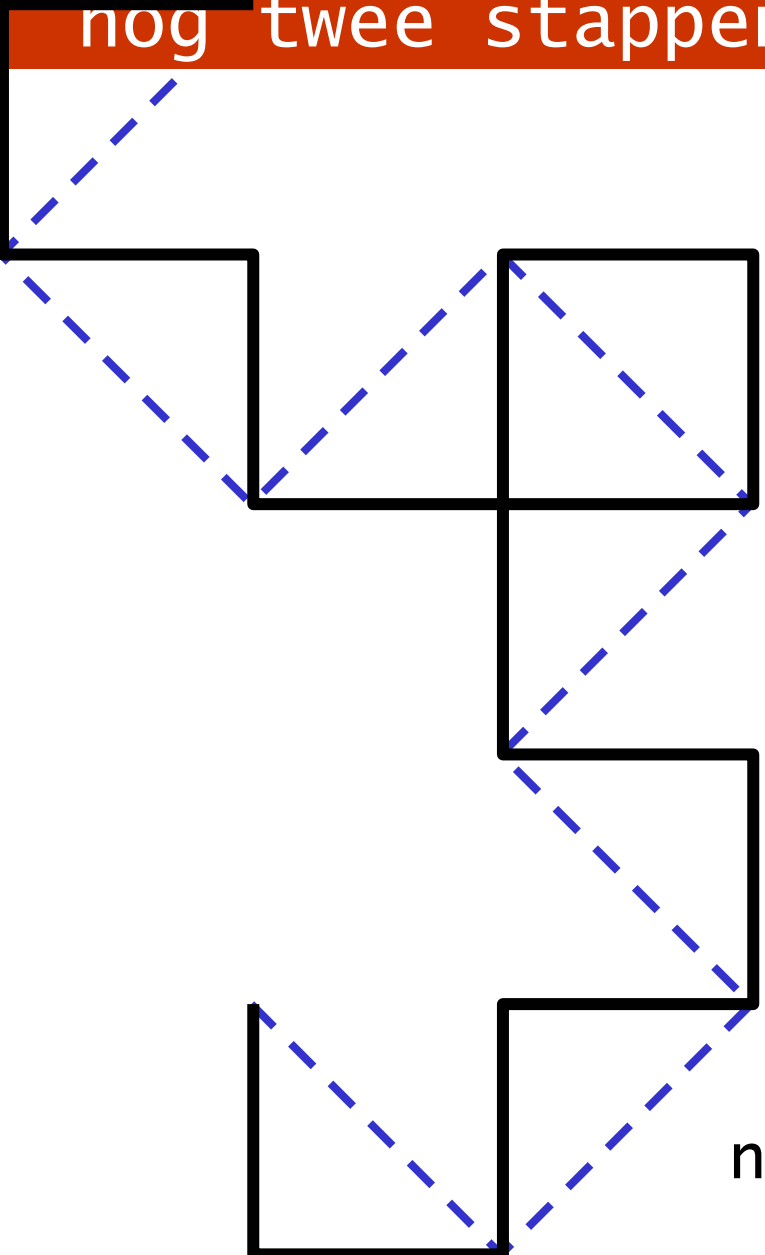


n=2

nog twee stappen

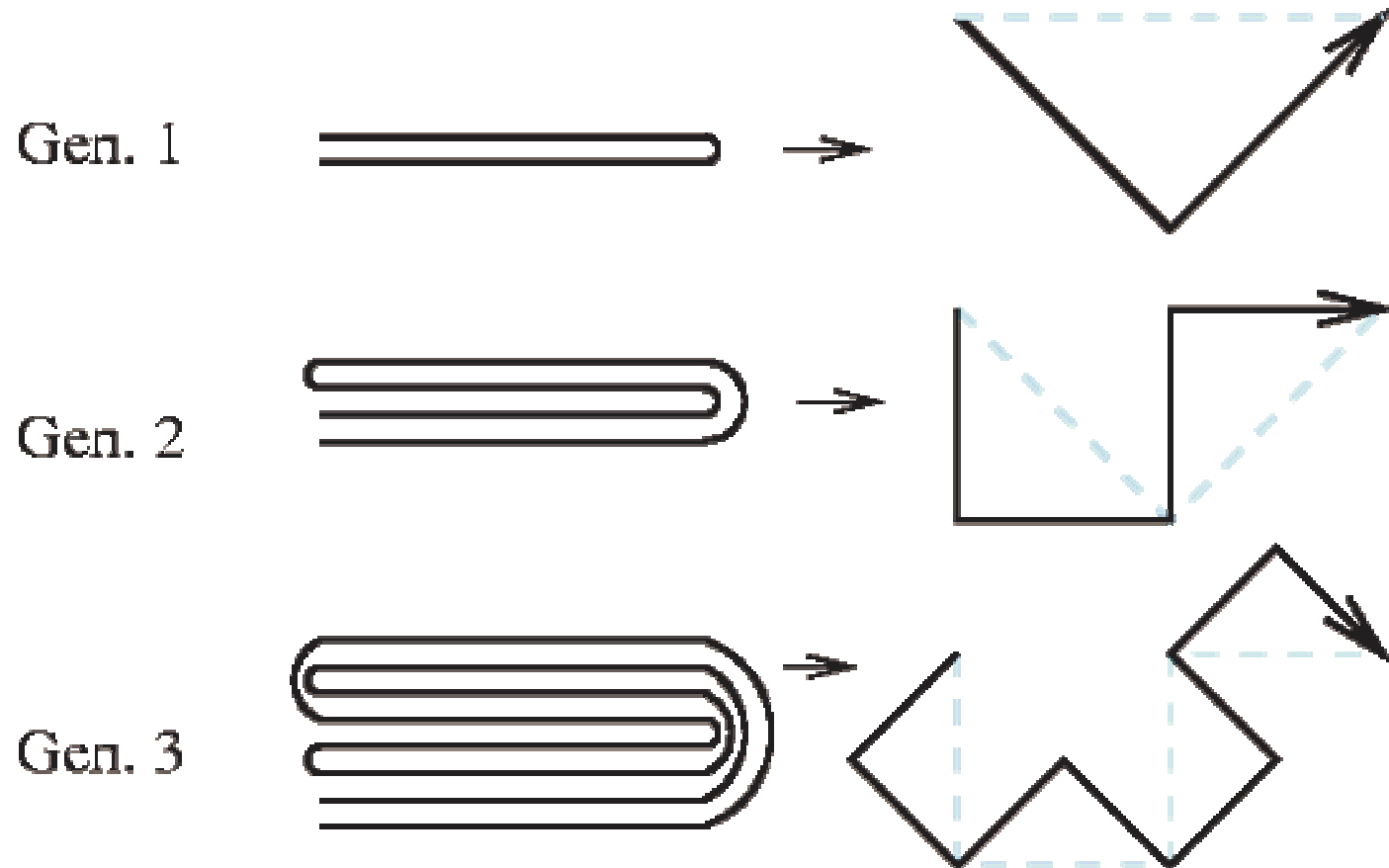


$n=3$



$n=4$

terug naar Britney



dragoncurve



n=12
gedraaid

turtle graphics

X -> -X+++Y-

Y -> +X--Y+

X,Y represent F

where

- means *rotate 45 degrees to the right*,

+ means *rotate 45 degrees to the left*, and

F means *draw forward one unit*.

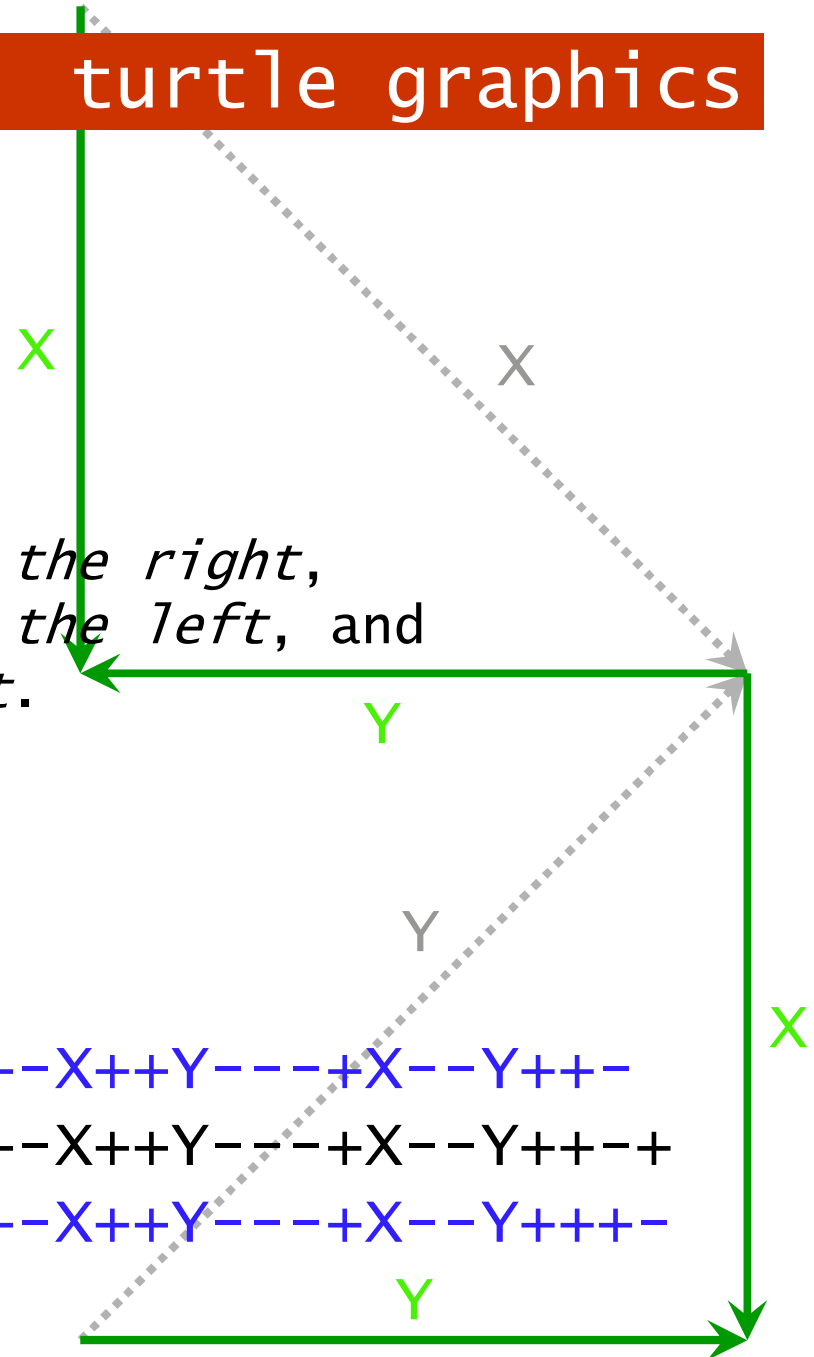
1 -X+++Y-

2 --X+++Y-+++X--Y+-

3 ---X+++Y-+++X--Y+-+++-X+++Y---+X--Y+++-

4 ----X+++Y-+++X--Y+-+++-X+++Y---+X--Y+++-

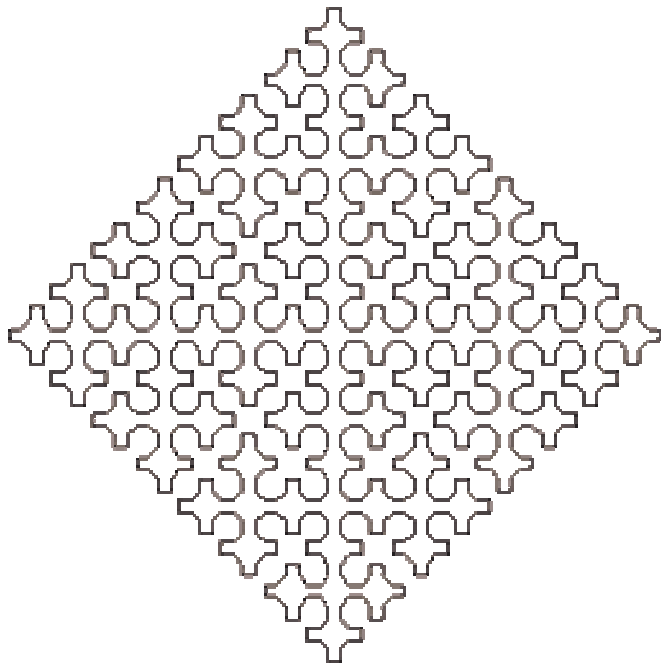
++++-X+++Y-+++X--Y+----+X+++Y---+X--Y+++-



Sierpinski

[Java applet](#)

full screen
F4 ghostview
F11 explorer



```
Sierpinski {  
  Angle 8  
  Axiom L--F--L--F  
  L=+R-F-R+  
  R=-L+F+L-  
}
```

postscript definitives

```
%!PS  
/order 5 def
```

```
/X {  
  dup 0 ne  
  {1 sub 4 {dup} repeat - F X + + F Y -}  
  if pop  
} def
```

```
/Y {  
  dup 0 ne  
  {1 sub 4 {dup} repeat + F X - - F Y +}  
  if pop  
} def
```

```
/F {  
  0 eq { 10 0 rlineto } if  
} bind def
```

```
/- { -45 rotate } bind def  
/+ { 45 rotate } bind def
```

```
newpath  
220 180 moveto  
50 order { 2 sqrt div }  
  repeat dup scale  
90 rotate  
order X  
stroke  
  
showpage
```


end . . .