

Artificial plants

Drawing Program knows the Following instructions

- F draw short line
- - turn right
- + turn left
- [save current position
-] go back to last saved position

$$F[+FF] \ [-F] F[] + F[+FF] \ [-F] FF[+FF] \ [-F] F[] \ [-F[+FF] \ [-F] F] F[+FF] \ [-F] F$$

Start with F and use $F \rightarrow F[+FF] [--F]F$ for n-times

here an example generated with **n=4***

F

F [+FF] [--F] F

F [+FF] [--F] F [+F [+FF] [--F] FF [+FF] [--F] F] [--F [+FF] [--F] F] F [+FF] [--F] F

$$F[+FF] \ [-F] F [+F +FF] \ [-F] FF [+FF] \ [-F] F \ [-F +FF] \ [-F] F F [+FF] \ [-F] F [+F +FF] \ [-F] F [+F +FF] \ [-$$
$$F[+FF] \ [-\!-\! F] F [+F [+FF] \ [-\!-\! F] FF [+FF] \ [-\!-\! F] F] \ [-\!-\! F [+FF] \ [-\!-\! F] F] F [+FF] \ [-\!-\! F] F [+F [+FF] \ [-\!-\! F] F [+F [+FF] \ [-\!-\! F]]$$