Task 10

Implement the L-system representing the growth of the plant (Fractal plant) for the following parameters:

```
Symbols: X F + - []

Initial word w=X

rules:

P1: X -> F+[[X]-X]-F[-FX]+X

P2: F -> FF

+ and - rotation by 25°

[- push
] - pop

F - go forward and draw line

X - auxiliary symbol

Initial values:

X=0, y=0

Alfa = 25°

w<sub>0</sub>=X
```

generate w_n , where $\,n-numer\,of\,iterations$