
Les 1 werkblad a nakijkmodel

Tekenen en code

1)

```
1. pen.forward(100)
2. pen.left(90)
3. pen.forward(100)
4. pen.left(90)
5. pen.forward(100)
6. pen.left(90)
7. pen.forward(100)
8. pen.left(90)
```

2)

1. in totaal bestaan er 360 graden. Een driehoek heeft drie hoeken, dat is $360/3$, dus een hoek van een driehoek is 120 graden.

2.

```
1. pen.forward(100)
2. pen.left(120)
3. pen.forward(100)
4. pen.left(120)
5. pen.forward(100)
6. pen.left(120)
```

Nog meer figuren

- 1) Hier komt een spirograaf uit, met een hoek van 65 graden en 11 herhalingen krijg je bijvoorbeeld onderstaand:

2)

1.

2.

3.

3)

1.

```
1. pen.forward(100)
2. pen.left(120)
3. pen.forward(100)
4. pen.left(120)
5. pen.forward(100)
6. pen.left(120)
```

2.

```
1. pen.forward(100)
2. pen.left(60)
3. pen.forward(100)
4. pen.left(60)
5. pen.forward(100)
6. pen.left(60)
7. pen.forward(100)
8. pen.left(60)
9. pen.forward(100)
10. pen.left(60)
11. pen.forward(100)
12. pen.left(60)
```

3.

```
1. pen.forward(100)
2. pen.left(45)
3. pen.forward(100)
4. pen.left(45)
5. pen.forward(100)
6. pen.left(45)
7. pen.forward(100)
8. pen.left(45)
9. pen.forward(100)
10. pen.left(45)
11. pen.forward(100)
12. pen.left(45)
13. pen.forward(100)
14. pen.left(45)
15. pen.forward(100)
16. pen.left(45)
```

Extraatje

Tekeningen die horen bij code:

1.

2.

3.

Code die hoort bij tekeningen:

```
1. pen.forward(100)
   pen.right(120)
   pen.forward(100)
   pen.right(120)
   pen.forward(100)
```

```
2. pen.left(120)
   pen.forward(100)
   pen.left(120)
   pen.forward(100)
   pen.left(120)
   pen.forward(100)
   pen.left(90)
   pen.forward(100)
   pen.left(90)
   pen.forward(100)
   pen.left(90)
   pen.forward(100)
   pen.left(90)
   pen.forward(100)
```

```
3. pen.forward(100)
   pen.left(60)
   pen.forward(100)
   pen.left(60)
   pen.forward(100)
   pen.left(60)
   pen.forward(100)
   pen.left(60)
   pen.forward(100)
   pen.left(60)
   pen.forward(100)
   pen.left(150)
   pen.forward(175)
   pen.right(90)
   pen.forward(100)
   pen.right(90)
   pen.forward(175)
```