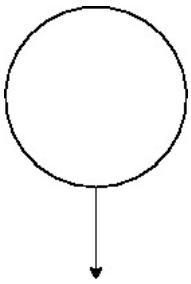
Exercice 1

Reproduire la forme suivante à l'aide des fonctions turtle [taille au choix].



Corrigé

```
circle(90)
right(90)
forward(90)
```

Exercice 2

Reproduire la forme suivante à l'aide des fonctions turtle :

1. un carré vert de 82 pixels de côté
2. un cercle rose de 75 pixels de rayon
3. un pentagone bleu de 63 pixels de côté

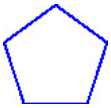
Corrigé

```
ht()
pencolor("green")
forward(82)
right(90)
forward(82)
right(90)
forward(82)
right(90)
forward(82)
```

```
ht()
pencolor("pink")
circle(75)
```

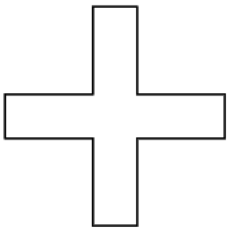


```
ht()
pencolor("blue")
forward(63)
left(72)
forward(63)
left(72)
forward(63)
left(72)
forward(63)
left(72)
forward(63)
```



Exercice 3

Reproduire la forme suivante à l'aide des fonctions turtle [Petit côté = 30 pixels — Grand côté = 60 pixels].

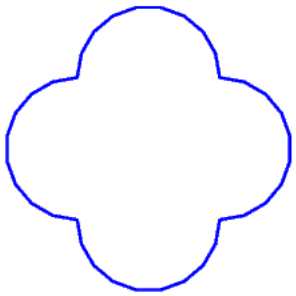


Corrigé

```
ht()
left(90)
forward(60)
right(90)
forward(30)
right(90)
forward(60)
left(90)
forward(60)
right(90)
forward(30)
right(90)
forward(60)
left(90)
forward(60)
right(90)
forward(30)
right(90)
forward(60)
left(90)
forward(60)
right(90)
forward(30)
right(90)
forward(60)
```

Exercice 4

Reproduire la forme suivante à l'aide des fonctions turtle [Taille au choix].



Corrigé

```
ht()
pencolor("blue")
circle(30, 180) #Demi-cercle de rayon 30
right(90)
circle(30, 180)
right(90)
circle(30, 180)
right(90)
circle(30, 180)
```

Exercice 5

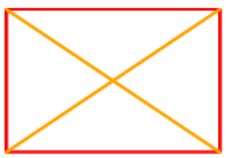
Reproduire la forme suivante à l'aide des fonctions turtle [Taille au choix].

Corrigé

```
ht()
pencolor("red")
forward(90)
up()
goto(0,-10)
pencolor("blue")
down()
forward(90)
```

Exercice 6

Reproduire la forme suivante à l'aide des fonctions turtle [Taille au choix].

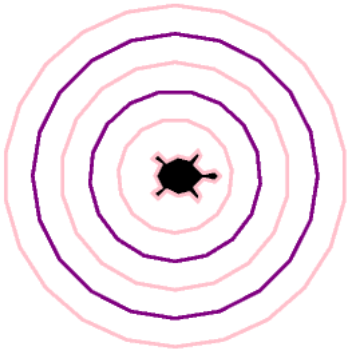


Corrigé

```
ht()
pencolor("red")
forward(90)
right(90)
forward(60)
right(90)
forward(90)
right(90)
forward(60)
pencolor("orange")
goto(90,-60)
up()
goto(90,-0)
down()
goto(0,-60)
```

Exercice 7

Reproduire la forme suivante à l'aide des fonctions turtle [Taille au choix].



Corrigé

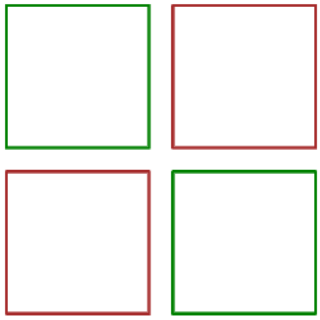
```
#Première proposition, du plus grand cercle au plus petit.
shape("turtle")
pencolor("pink")
circle(60)
up()
goto(0,10)
pencolor("purple")
down()
circle(50)
up()
goto(0,20)
pencolor("pink")
down()
circle(40)
up()
goto(0,30)
pencolor("purple")
down()
circle(30)
up()
goto(0,40)
pencolor("pink")
down()
circle(20)
up()
goto(0,60)

#Deuxième proposition, plus optimisée.
shape("turtle")
pencolor("pink")
circle(60)
up()
goto(0,20)
down()
circle(40)
up()
goto(0,40)
down()
circle(20)
up()
goto(0,10)
pencolor("purple")
down()
circle(50)
up()
goto(0,30)
down()
```

```
circle(30)
up()
goto(0,60)
```

Exercice 8

Reproduire la forme suivante à l'aide des fonctions turtle [Carrés de 60 pixels de côté].

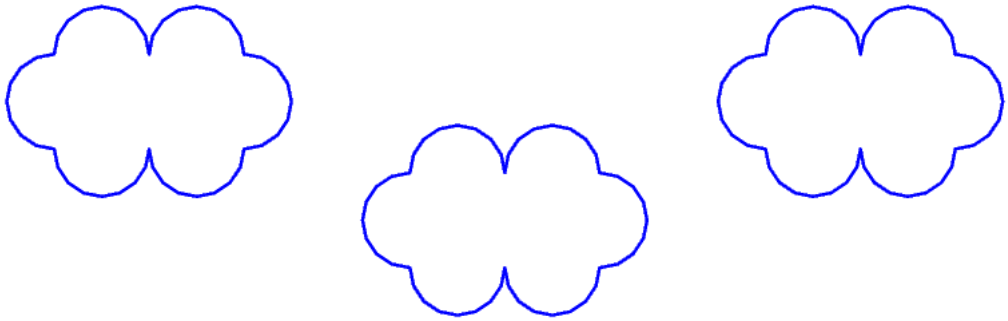


Corrigé

```
ht()
pencolor("brown")
forward(60)
right(90)
forward(60)
right(90)
forward(60)
right(90)
forward(60)
up()
goto(-70,-70)
down()
right(90)
forward(60)
right(90)
forward(60)
right(90)
forward(60)
right(90)
forward(60)
up()
goto(0,-70)
pencolor("green")
down()
right(90)
forward(60)
right(90)
forward(60)
right(90)
forward(60)
right(90)
forward(60)
up()
goto(-70,0)
down()
right(90)
forward(60)
right(90)
forward(60)
right(90)
forward(60)
right(90)
forward(60)
```

Exercice 9

Reproduire la forme suivante à l'aide des fonctions turtle [Taille au choix].



Corrigé

```
ht()
pencolor("blue")
left(90)
circle(20,180)
right(180)
circle(20,180)
right(90)
circle(20,180)
right(90)
circle(20,180)
right(180)
circle(20,180)
right(90)
circle(20,180)
up()
goto(150,50)
down()
right(90)
circle(20,180)
right(180)
circle(20,180)
right(90)
circle(20,180)
right(90)
circle(20,180)
right(180)
circle(20,180)
right(90)
circle(20,180)
up()
goto(-150,50)
down()
right(90)
circle(20,180)
right(180)
circle(20,180)
right(90)
circle(20,180)
right(90)
circle(20,180)
right(180)
circle(20,180)
right(90)
circle(20,180)
```