

# ALGORITHME DE CONSTRUCTION

réalisé par :

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en

ICN

```
from turtle import*
import math
def cercle(a):
    circle(a)
speed(20)
cercle(80)
left(180)
cercle(80)
right(180)
forward(200)
backward(400)
forward(200)
left(90)
forward(250)
backward(500)
up()
goto(40*sqrt(3),-40)
down()
right(90)
cercle(80)
up()
goto(-40*sqrt(3),-40)
down()
left(0)
cercle(80)

goto(40*sqrt(3),-40)
left(60)
cercle(80)
up()
goto(0,80)
down()
left(30)
right(90)
cercle(80)
up()
goto(0,0)
forward(140)
down()
goto(0,160)
left(45)
forward(80)
backward(80)
left(90)
forward(80)
backward(80)
goto(-140,0)
goto(0,80)

goto(-150,55)
left(126)
circle(191,78)
up()
goto(-140,0)
down()
goto(149,55)
right(60)
circle(-191,78)
up()
goto(48,17)
down()
goto(-128,-69)
up()
goto(-48,17)
down()
goto(126,-68)
up()
goto(149,55)
down()
right(102)
circle(260,42)
up()
```

**Ce qui  
donne :**

