

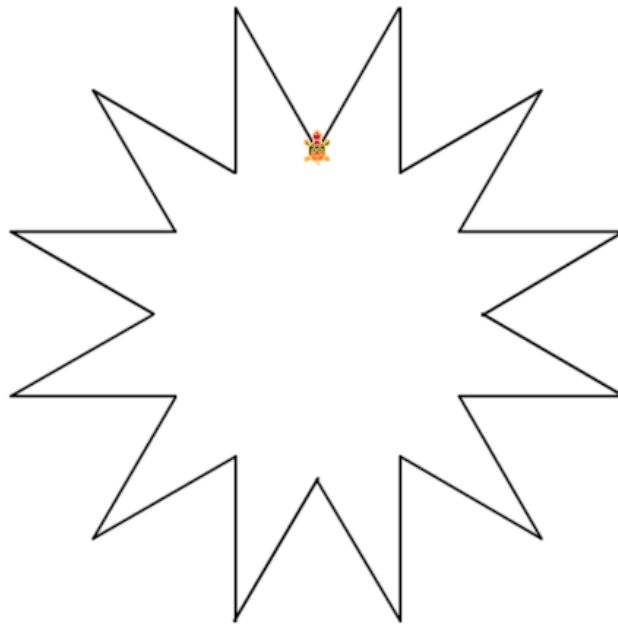
“Turtle Tuesday” Logo Challenges

April 2, 2024

Challenge No. 79

for Logo, Pro-Bot, and *Kinderlogo* users

Can you draw this design using REPEAT?



Our solution:

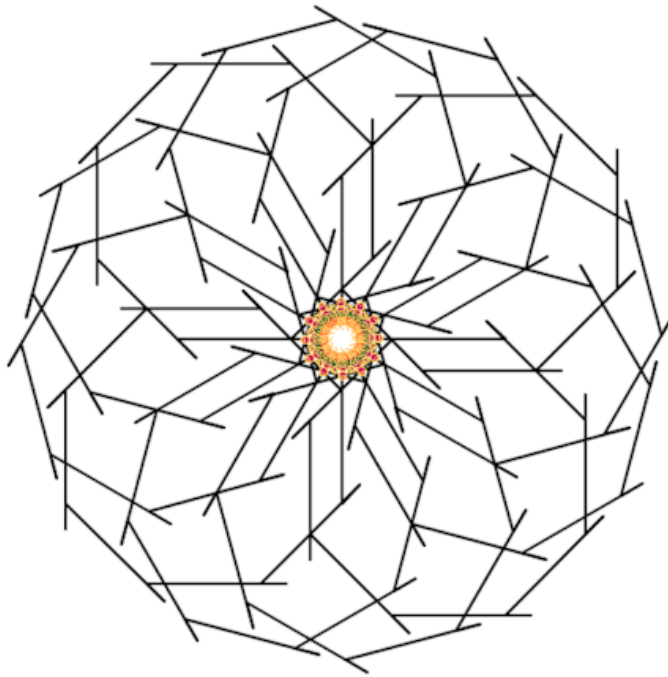
```
REPEAT 12 [RT 30 FD 120 LT 30 BK 120 RT 30]
```

April 9, 2024

Challenge No. 80

for Logo users

Can you draw this design using multiple turtles?
Hint: Start by using the CTURTLES command.



Our solution:

```
CTURTLES 12 SETW 2
```

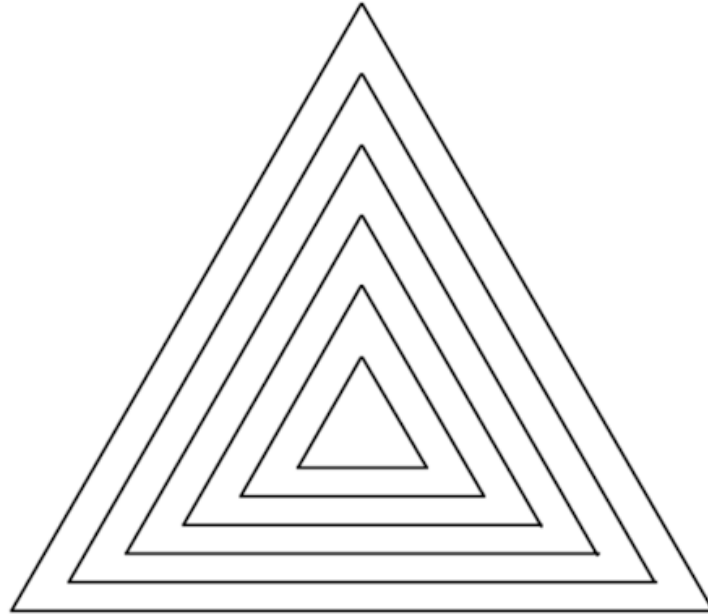
```
REPEAT 8 [FD 110 RT 45 BK 20]
```

April 16, 2024

Challenge No. 81

for Logo users
also for Pro-Bot and *Kinderlogo* users with some modifications

Can you draw these nested triangles?



Our solution:

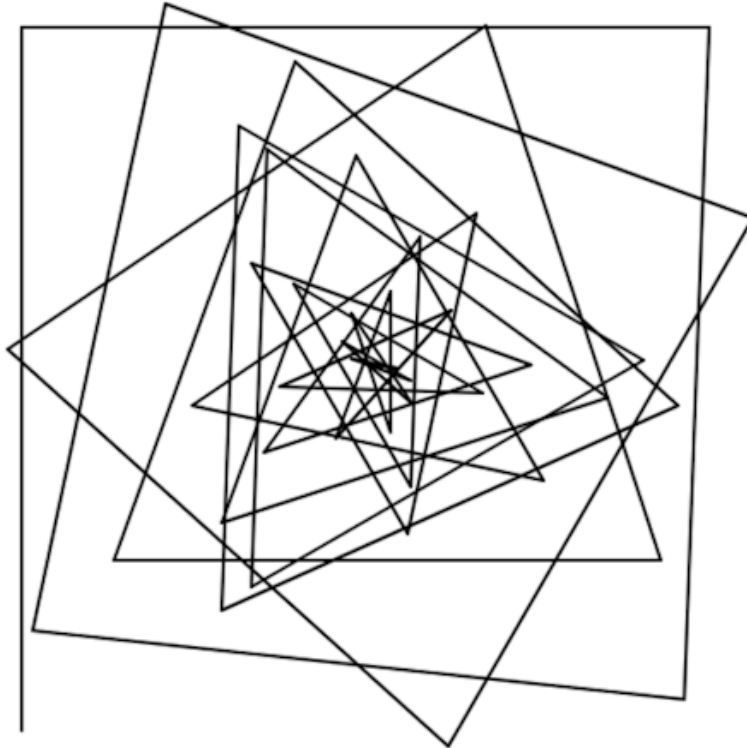
```
TO TRIS
DRAW SETW 2 PU BK 100 PD
RT 30 REPEAT 3 [FD 90 RT 120] LT 30
PU BK 20 LT 90 FD 40 RT 90 PD
RT 30 REPEAT 3 [FD 170 RT 120] LT 30
PU BK 20 LT 90 FD 40 RT 90 PD
RT 30 REPEAT 3 [FD 250 RT 120] LT 30
PU BK 20 LT 90 FD 40 RT 90 PD
RT 30 REPEAT 3 [FD 330 RT 120] LT 30
PU BK 20 LT 90 FD 40 RT 90 PD
RT 30 REPEAT 3 [FD 410 RT 120] LT 30
PU BK 20 LT 90 FD 40 RT 90 PD
RT 30 REPEAT 3 [FD 490 RT 120] LT 30
END
```

April 23, 2024

Challenge No. 82

for Logo users

Can you write a procedure to draw this design?
Your procedure could have two inputs so you can easily vary the result.
How does the distance change? How does the angle change?



Our solution:

```
TO DESIGN :SIZE :ANGLE  
IF :SIZE < 0 [STOP]  
FD :SIZE RT :ANGLE  
DESIGN :SIZE - 10 :ANGLE + 2  
END
```

```
DRAW SETW 2 PU BK 175 PD
```

```
DESIGN 450 90
```

April 30, 2024

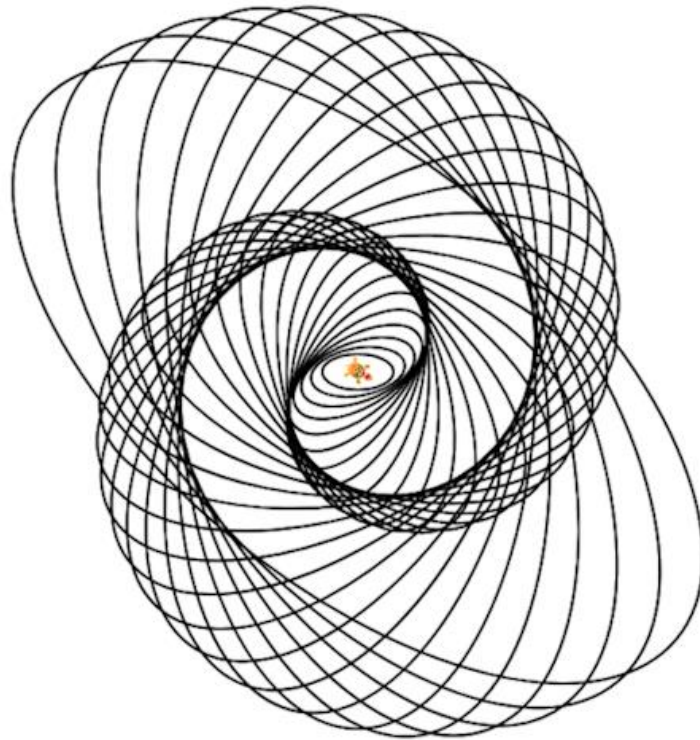
Challenge No. 83

for Logo users

Can you write a procedure to draw this design?

Hint: Try using STAMPOVAL like this:

```
(STAMPOVAL :SIZE :SIZE/2 "TRUE :ANGLE)
```



Our solution:

```
TO FLOWER :SIZE :ANGLE
IF :SIZE/2 < 0 [STOP]
IF :ANGLE > 360 [STOP]
(STAMPOVAL :SIZE :SIZE/2 "TRUE :ANGLE)
RT :ANGLE
(STAMPOVAL :SIZE :SIZE/2 "TRUE :ANGLE)
FLOWER :SIZE - 10 :ANGLE + 10
END
```

```
DRAW SETW 2
```

```
FLOWER 350 40
```