

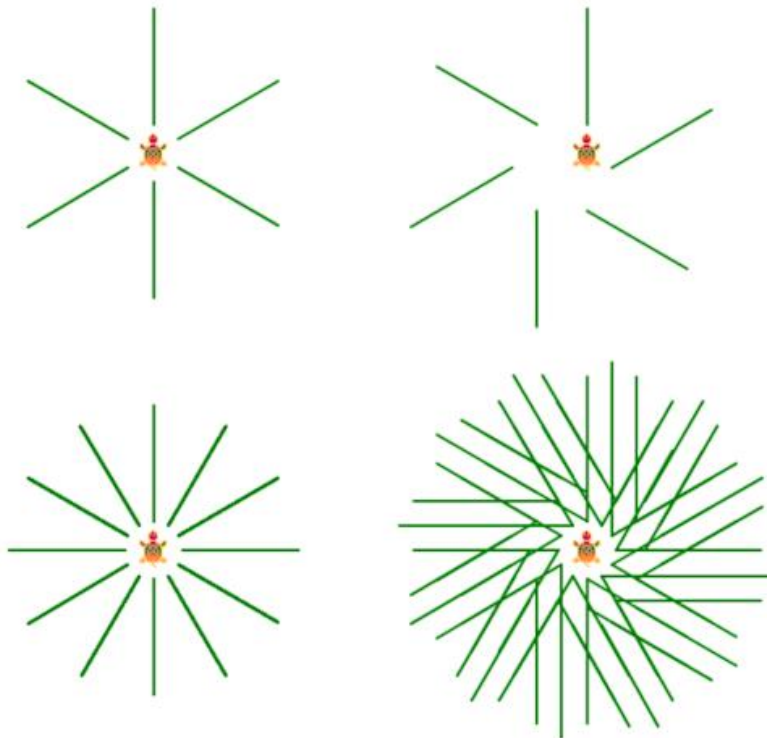
“Turtle Tuesday” Logo Challenges

March 5, 2024

Challenge No. 75

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

Can you draw these designs using REPEAT?



Our solutions:

```
TO STAR
  SETPC "GREEN SETW 2 REPEAT 6 [PU FD 20 PD FD 80 PU BK 100 RT 60 PU]
END
```

```
TO STAR2
  SETPC "GREEN SETW 2 REPEAT 6 [PU FD 20 PD FD 80 PU BK 120 RT 60 PU]
END
```

```
STAR
STAR2
REPEAT 12 [STAR RT 30]
REPEAT 12 [STAR2 RT 30]
```

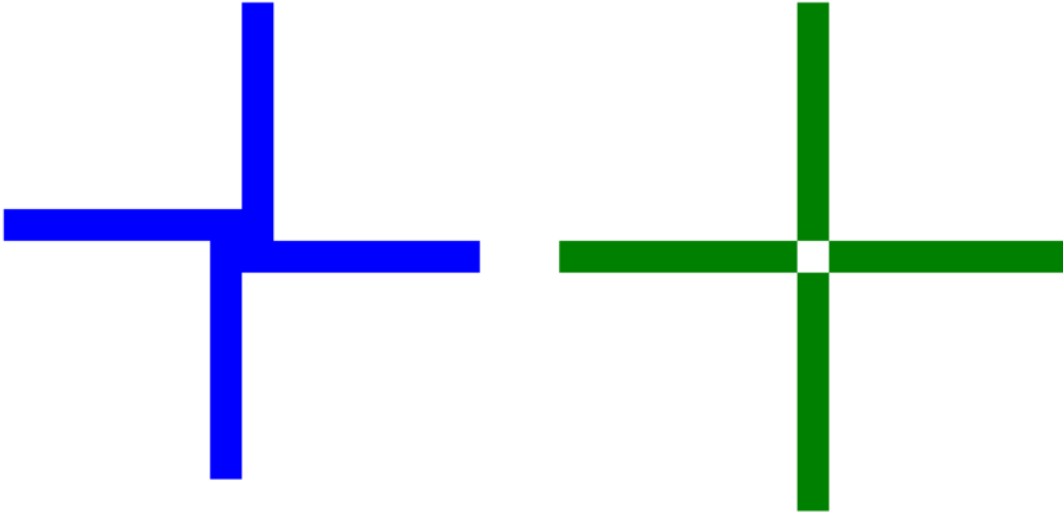
March 12, 2024

Challenge No. 76

for Logo users

Can you draw these lines?

Hint: Use (STAMPRECT 20 200 "TRUE 90)
width height fill angle



Our solution:

```
TO LINES
DRAW
PU SETXY [-175 0] PD
SETW 2 SETPC "BLUE
(STAMPRECT 20 150 "TRUE 0)
(STAMPRECT 20 150 "TRUE 90)
(STAMPRECT 20 150 "TRUE 180)
(STAMPRECT 20 150 "TRUE 270)
PU SETXY [175 0] PD
SETW 2 SETPC "GREEN
(STAMPRECT 20 150 "TRUE 0)
PU RT 90 FD 20 PD
(STAMPRECT 20 150 "TRUE 90)
PU RT 90 FD 20 PD
(STAMPRECT 20 150 "TRUE 180)
PU RT 90 FD 20 PD
(STAMPRECT 20 150 "TRUE 270)
HT
END

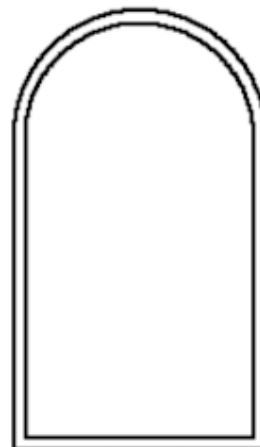
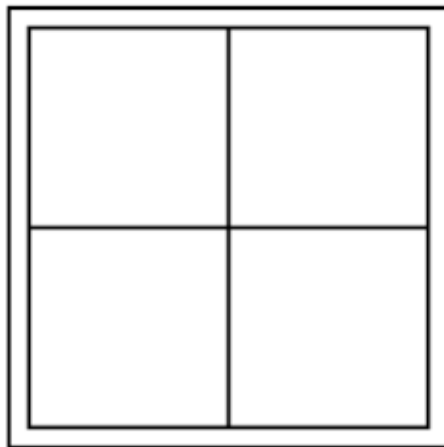
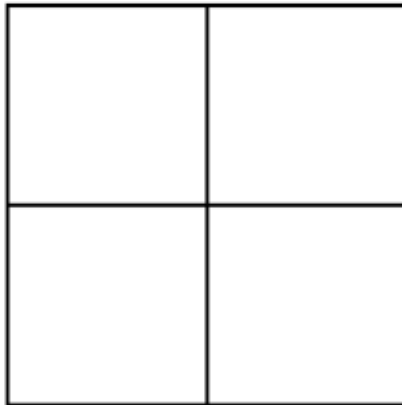
LINES
```

March 19, 2024

Challenge No. 77

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

Can you draw some windowpanes?



Our solutions:

```
TO PANE
REPEAT 4 [REPEAT 4 [FD 100 RT 90] RT 90]
END
```

```
TO PANEBOARDER
REPEAT 4 [REPEAT 4 [FD 100 RT 90] RT 90]
PU BK 110 LT 90 FD 110 RT 90 PD
REPEAT 4 [FD 220 RT 90]
END
```

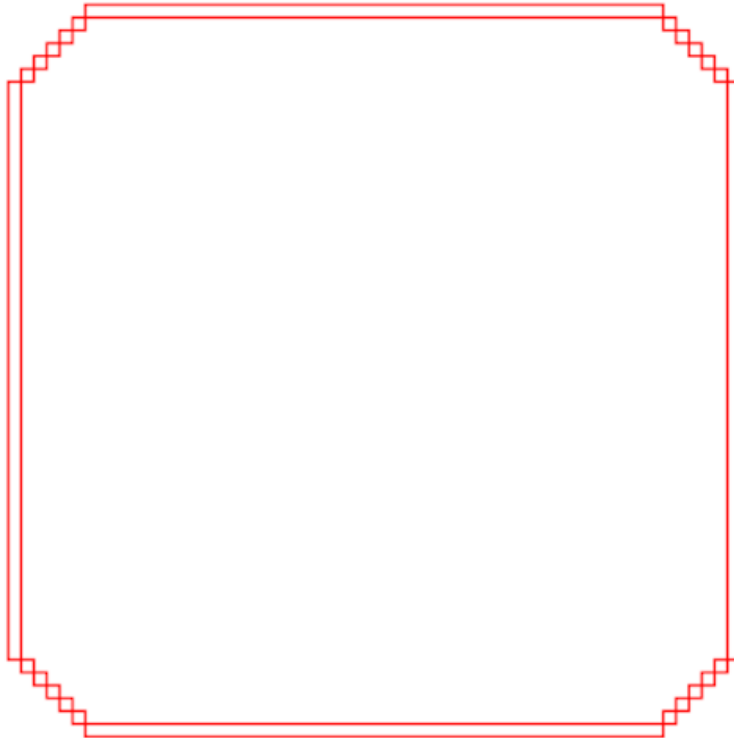
```
TO ROUNDPANE
FD 150
REPEAT 180 [FD 1 RT 1]
FD 151
RT 90 FD 114 RT 90
PU LT 90 FD 6 RT 90 BK 6 PD
FD 157
REPEAT 180 [FD 1.1 RT 1]
FD 157.5
RT 90 FD 125 RT 90
END
```

March 26, 2024

Challenge No. 78

for Logo users

Can you write a procedure to draw this fancy border?
Then, can you modify it so you can draw a border of any size?



Our solutions:

```
TO BORDER
DRAW SETW 2 SETPC "RED
PU SETXY [-200 -200] PD
STAMPRECT 10 300
FD 300 PU RT 90 FD 10 LT 90 PD
REPEAT 5 [REPEAT 4 [FD 10 RT 90] PU RT 90 FD 10 LT 90 FD 10 PD]
PU FD 10 RT 90 PD
(STAMPRECT 10 200 "FALSE 90)
FD 200
PU RT 90 FD 10 LT 90 PD
REPEAT 5 [REPEAT 4 [FD 10 RT 90] PU RT 90 FD 10 LT 90 FD 10 PD]
PU FD 10 RT 90 PD
(STAMPRECT 10 300 "FALSE 180)
FD 300
PU RT 90 FD 10 LT 90 PD
REPEAT 5 [REPEAT 4 [FD 10 RT 90] PU RT 90 FD 10 LT 90 FD 10 PD]
PU FD 10 RT 90 PD
(STAMPRECT 10 200 "FALSE 270)
FD 200
PU RT 90 FD 10 LT 90 PD
REPEAT 5 [REPEAT 4 [FD 10 RT 90] PU RT 90 FD 10 LT 90 FD 10 PD]
END
```

```
TO BORDER2 :HEIGHT :WIDTH
DRAW SETW 2 SETPC "RED
PU SETXY [-200 -200] PD
STAMPRECT 10 :HEIGHT
FD :HEIGHT PU RT 90 FD 10 LT 90 PD
REPEAT 5 [REPEAT 4 [FD 10 RT 90] PU RT 90 FD 10 LT 90 FD 10 PD]
PU FD 10 RT 90 PD
(STAMPRECT 10 :WIDTH "FALSE 90)
FD :WIDTH
PU RT 90 FD 10 LT 90 PD
REPEAT 5 [REPEAT 4 [FD 10 RT 90] PU RT 90 FD 10 LT 90 FD 10 PD]
PU FD 10 RT 90 PD
(STAMPRECT 10 :HEIGHT "FALSE 180)
FD :HEIGHT
PU RT 90 FD 10 LT 90 PD
REPEAT 5 [REPEAT 4 [FD 10 RT 90] PU RT 90 FD 10 LT 90 FD 10 PD]
PU FD 10 RT 90 PD
(STAMPRECT 10 :WIDTH "FALSE 270)
FD :WIDTH
PU RT 90 FD 10 LT 90 PD
REPEAT 5 [REPEAT 4 [FD 10 RT 90] PU RT 90 FD 10 LT 90 FD 10 PD]
HT
END
```

```
BORDER 400 300
```