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bits4kids

CODE'N'STITCH

95x56 mm

Level:

Idee

In this design, 7 arcs are drawn in different colors. For each arc, the radius is increased, creating a rainbow.

What's new?
- loops
- multicolor
- Change color of pattern

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1 How to install "Embroidery Designer"

Install „Embroidery Designer" from Google Play Store

For help by handling embroidery designer (link)

2 Create a new object for the 1st arc (red)

The needle object is resized to 10% to avoid obstructing the view.

```
When scene starts

Set size to   10   %

Place at  X:  230   Y:  - 80

Point in direction   0   degrees

Start zigzag stitch with length   1
and width   18

Repeat   19   times

Move   40   steps

Turn left   10   degrees

End of loop
```

The x-position changes for each arc as they become larger. Use the following values for the 2nd through 7th arc: 213, 196, 179, 162, 145, 128.
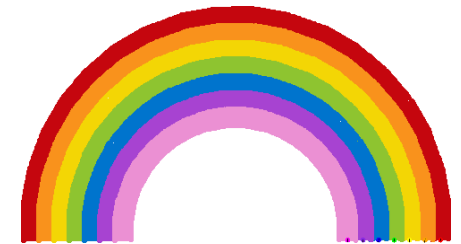
Smaller arcs require less stitches, so the number of steps changes. Use the following values for the 2nd through 7th arc: 37, 34, 31, 28, 25, 22.
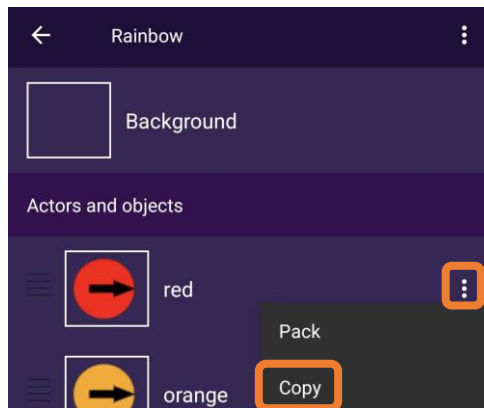
3 Set the color of the arc

Set thread color to `'#c5060e'`

With this block, you can set the color of each arc. - Place it at the beginning of your program code!

4 Creating arcs 2 through 7

Copy the object you just created. To do this, click on the three dots next to the first arc on the right in the object overview. Then click "Copy." Rename your object and adjust the values accordingly (see page 1).

Rainbow

Background

Actors and objects

red

orange

Pack

Copy

If you create each arc as a separate object, you can embroider the design in different colors. The embroidery machine will pause between each object, allowing you to change the thread color.

How to send pattern to embroidery machine ([link](#))

Actors and objects

- red
- orange
- yellow
- green
- blue
- violet
- pink