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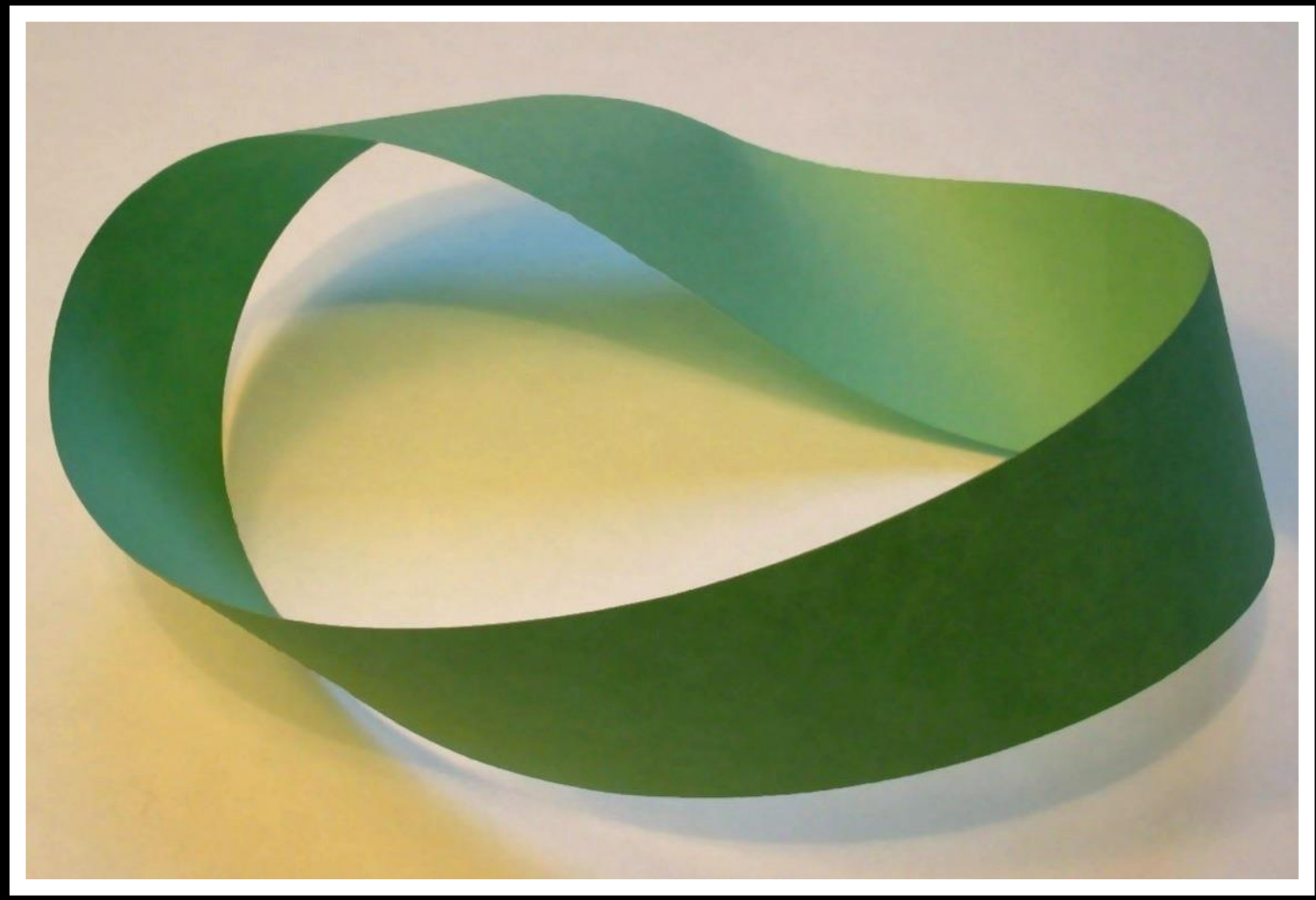
Make a Mobius Loop.



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Draw on the scissor line down the middle.

Notice that you have drawn on both sides of the piece of paper.



FACT:

If, when you draw a scissor line on a loop, you end up drawing on both sides of the paper, then the loop is a Mobius loop, rather than another type of loop.

That's the test for a Mobius loop!

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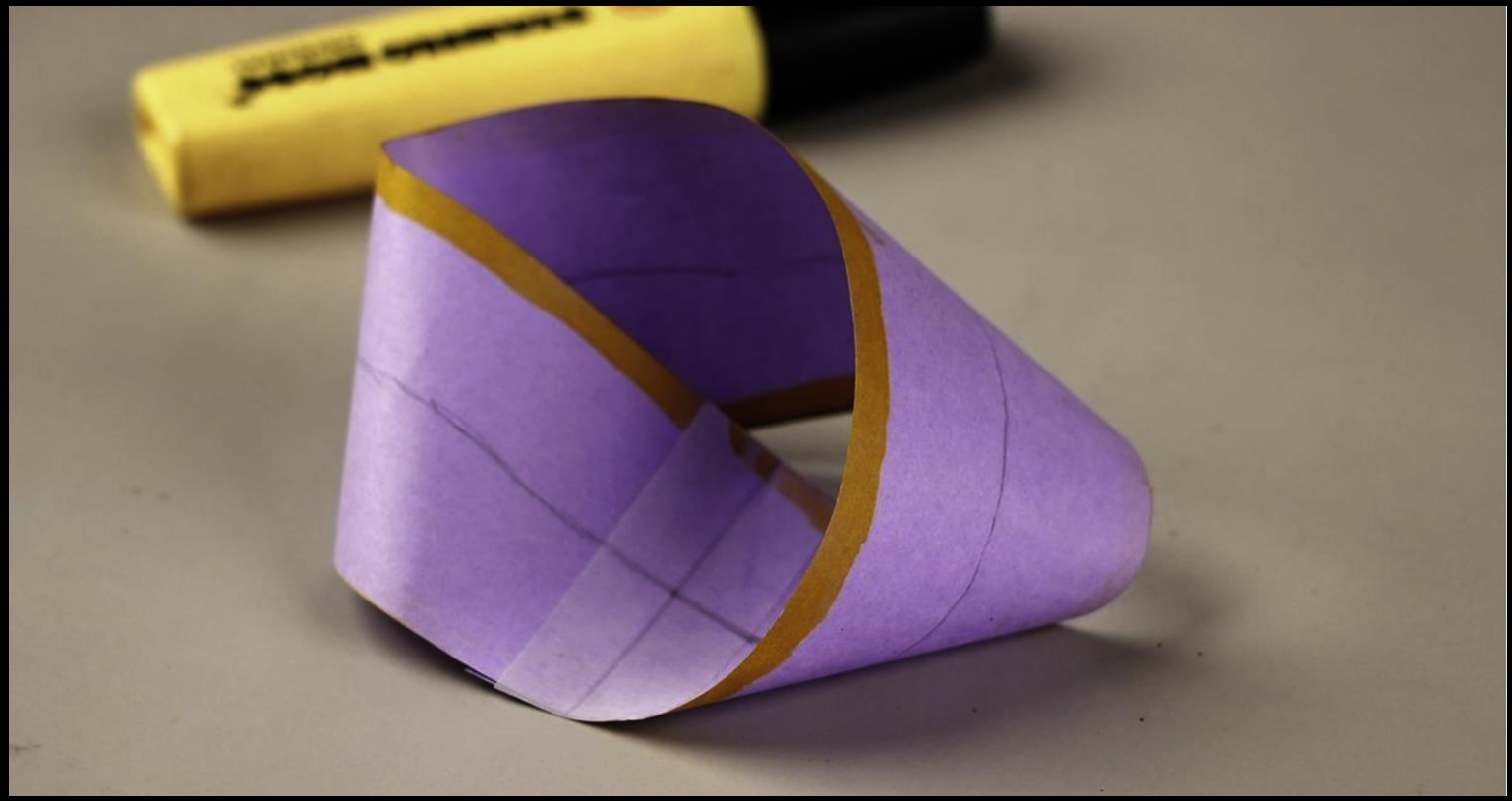
Colour along one edge of the loop (as below), all the way around.
Notice how many ‘edges’ you have coloured in.



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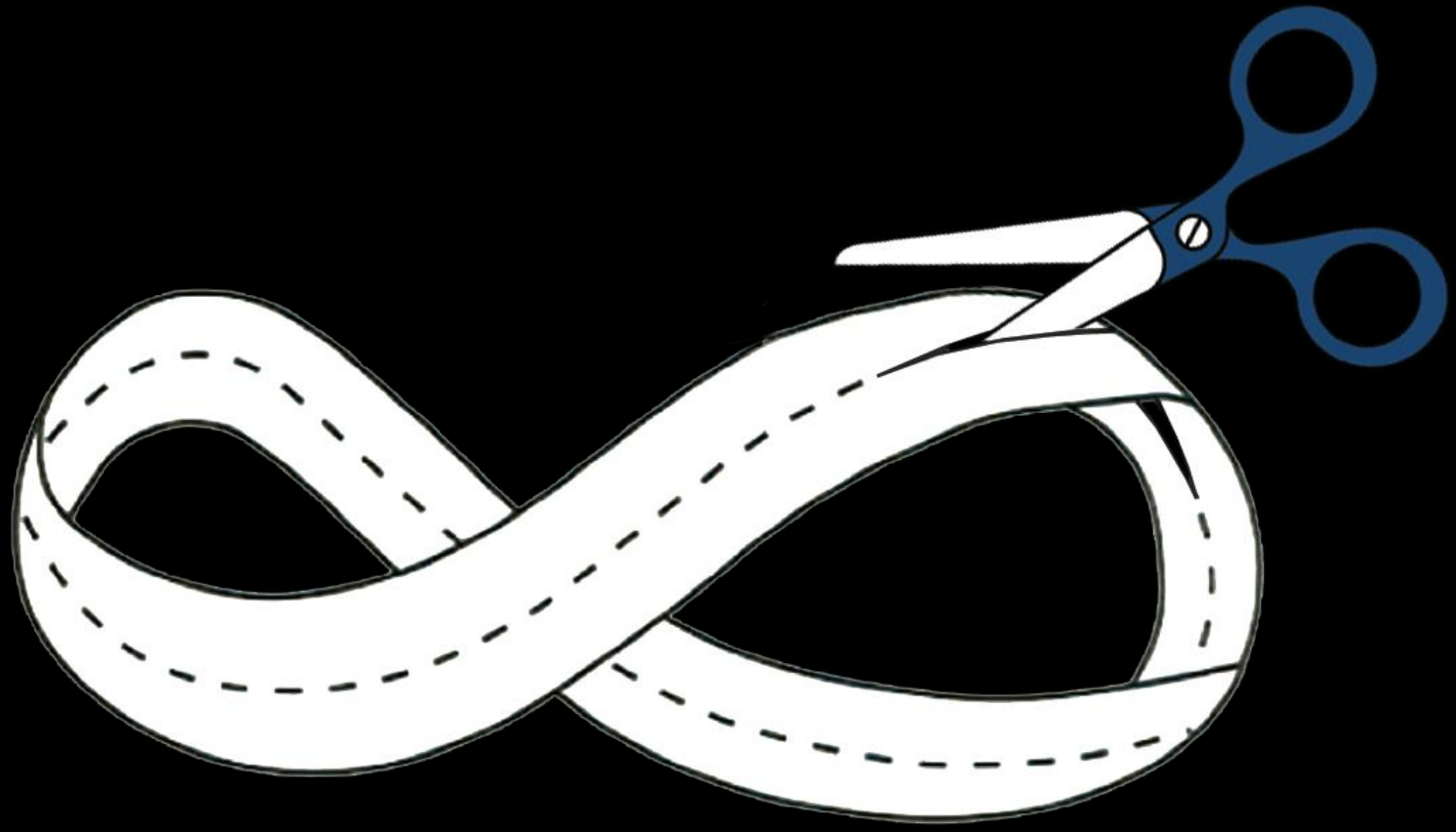
Cut along the scissor line.

What shape did you get?



REMEMBER:

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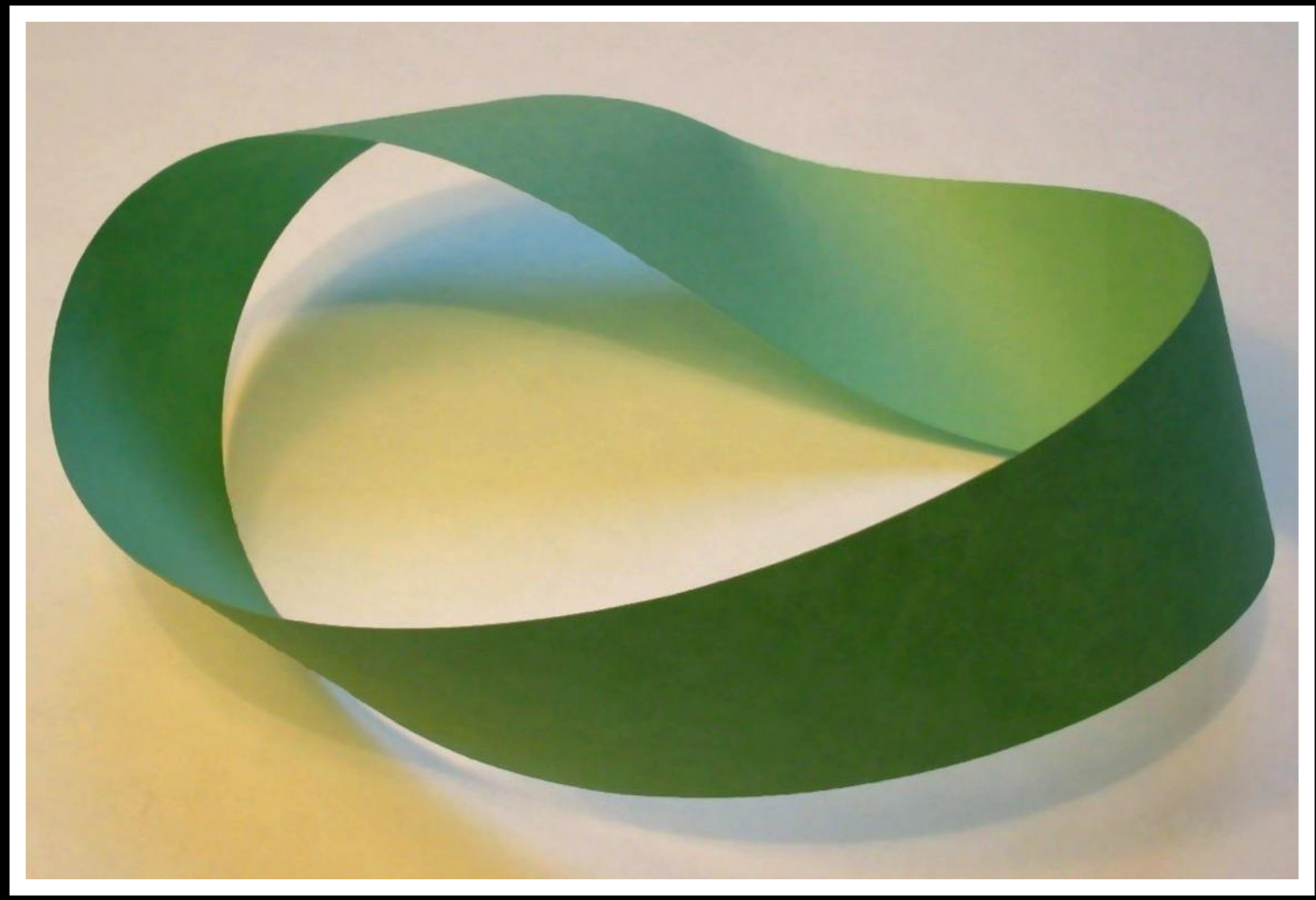
Make a Mobius Loop.



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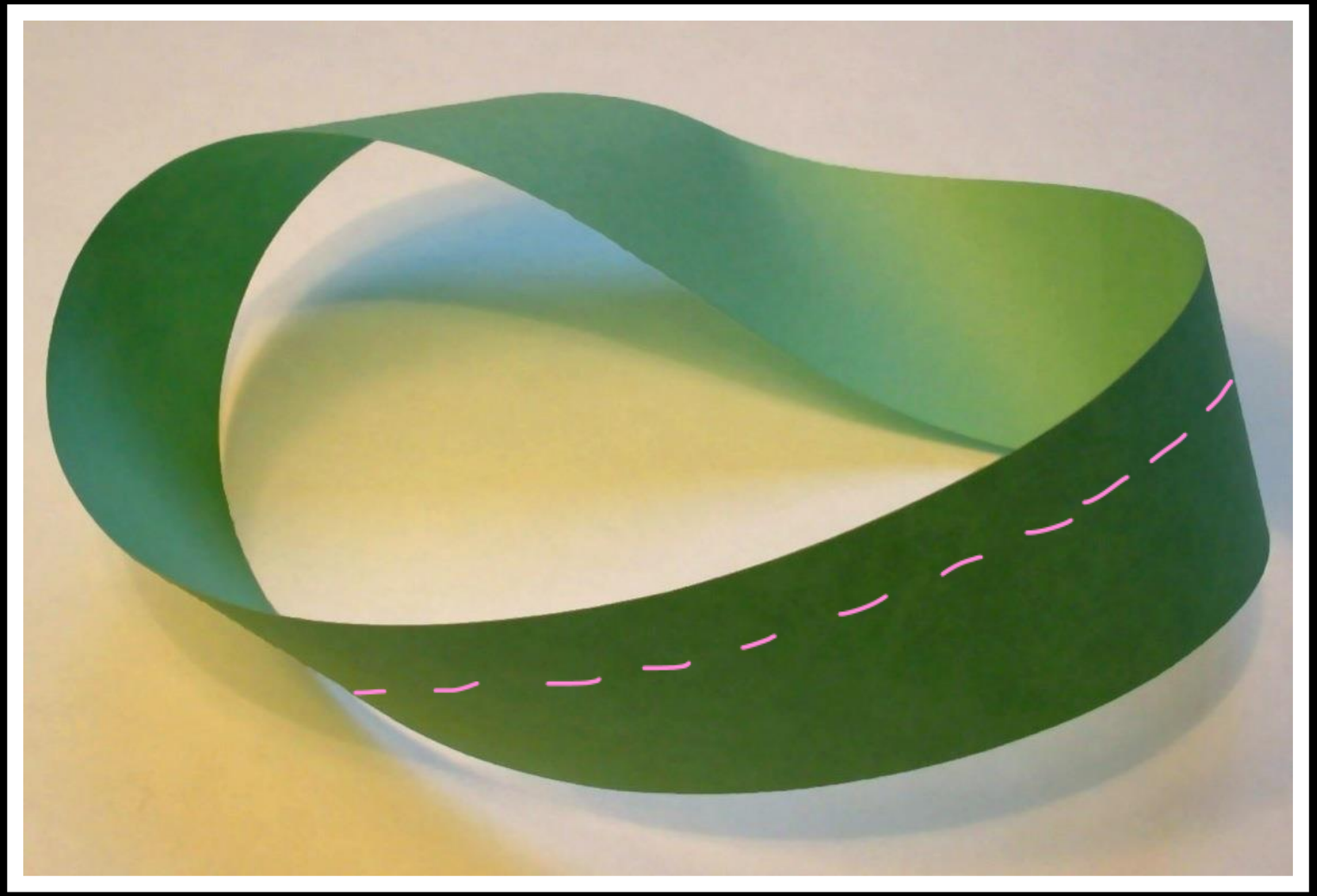
Draw a scissor line on, one third of the way in from the edge.



(The line we have drawn here is incomplete – you need to go all the way around until you get back to where you started).

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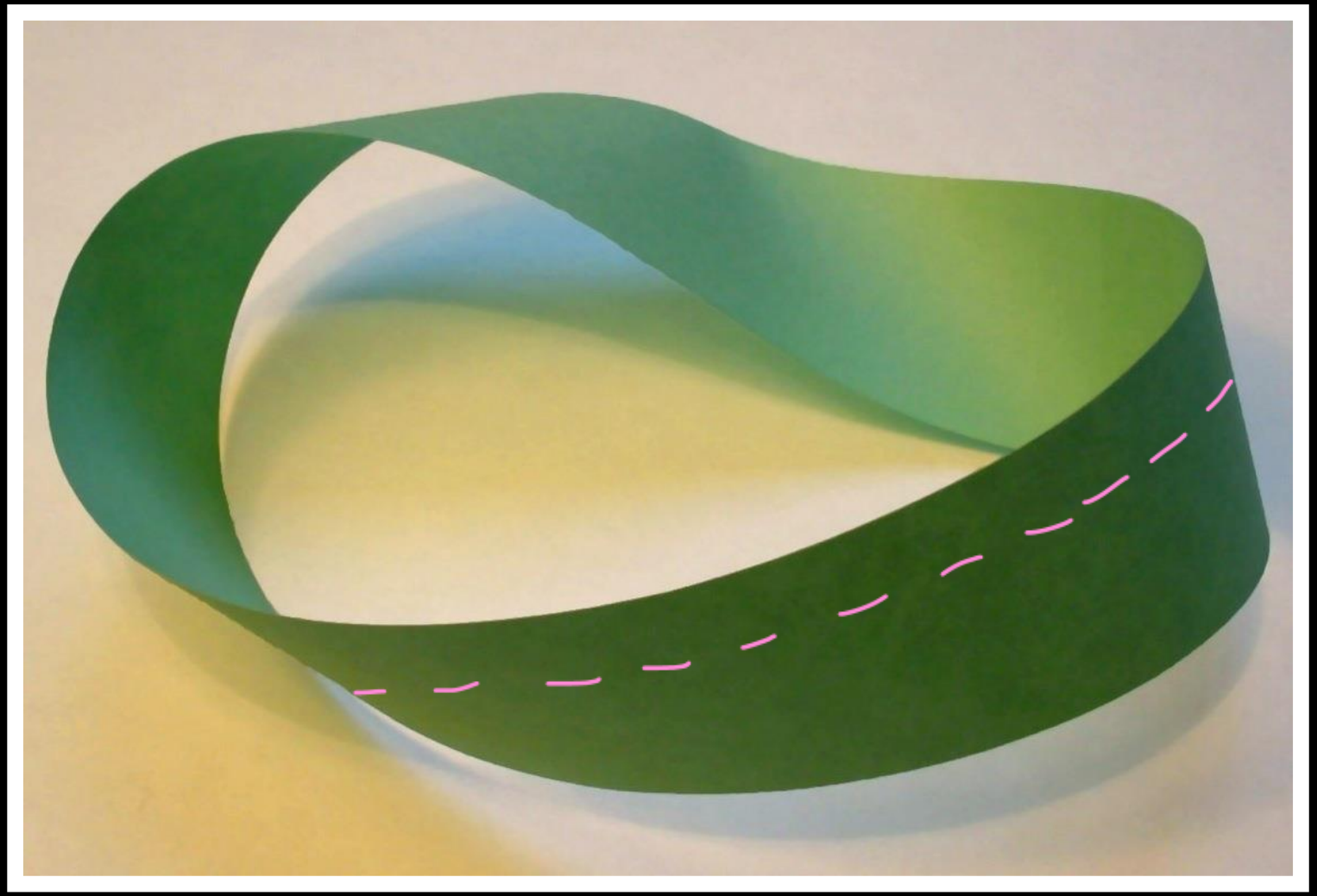
Predict what will happen when you cut along the (one-third) scissor line.



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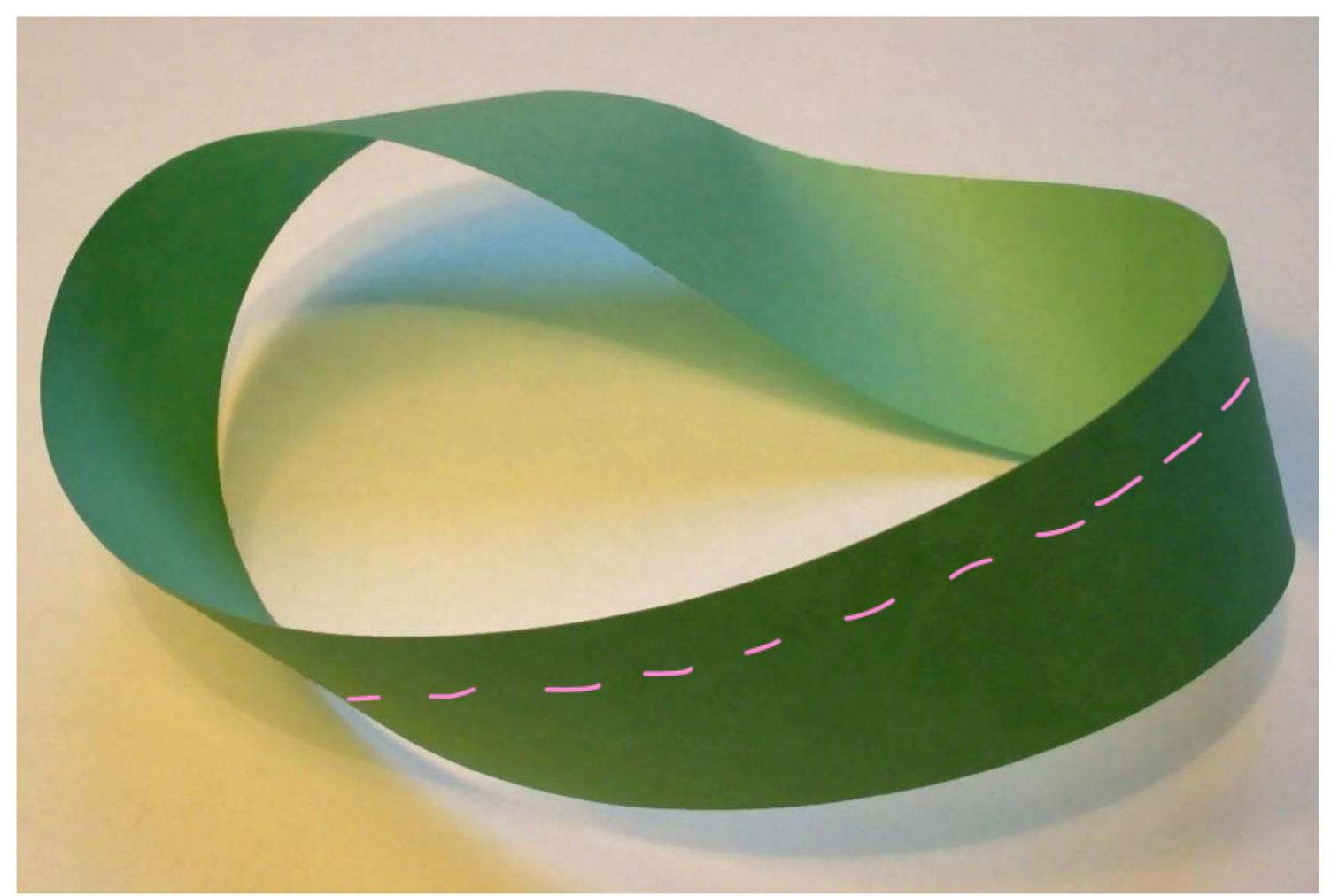
Cut along the scissor line. **What shapes** did you get? Can you **explain** the result?



REMEMBER:

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SUPER CHALLENGE

Make two mobius loops, one twisted clockwise, the other twisted anti-clockwise.

Sellotape them to each other at right angles.

Cut both of them down the middle, all the way round.

You should be able to arrange the result into two interlinking hearts!



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