

Chain

Created and diagrammed by Hubert Villeneuve - 2023

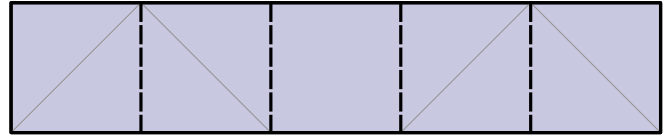
Recommended paper:

- Kraft paper

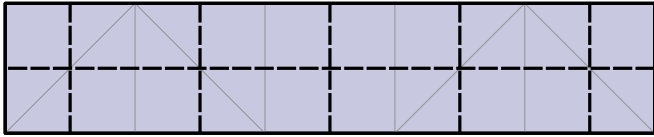
- At least 50 x 10 cm



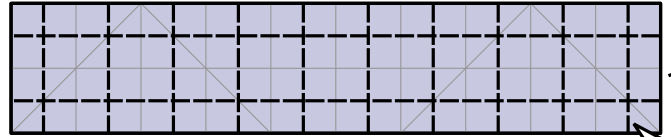
1. Begin with a 5 : 1 rectangle, color side down.



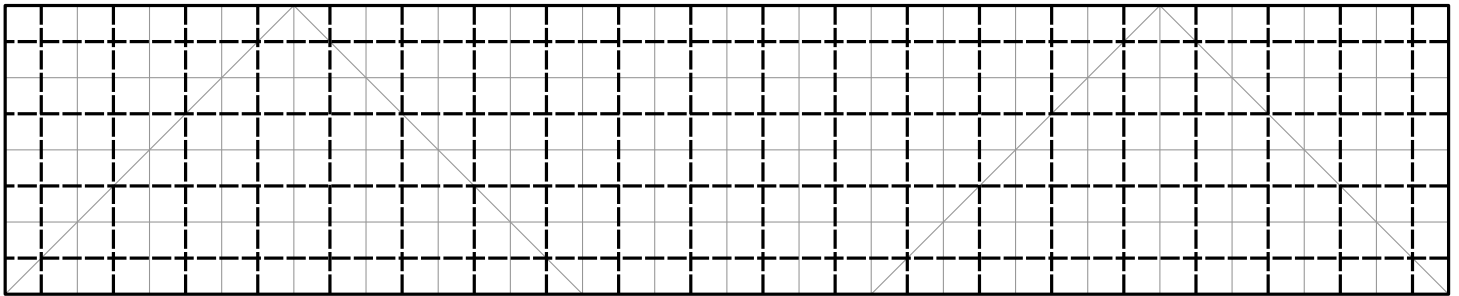
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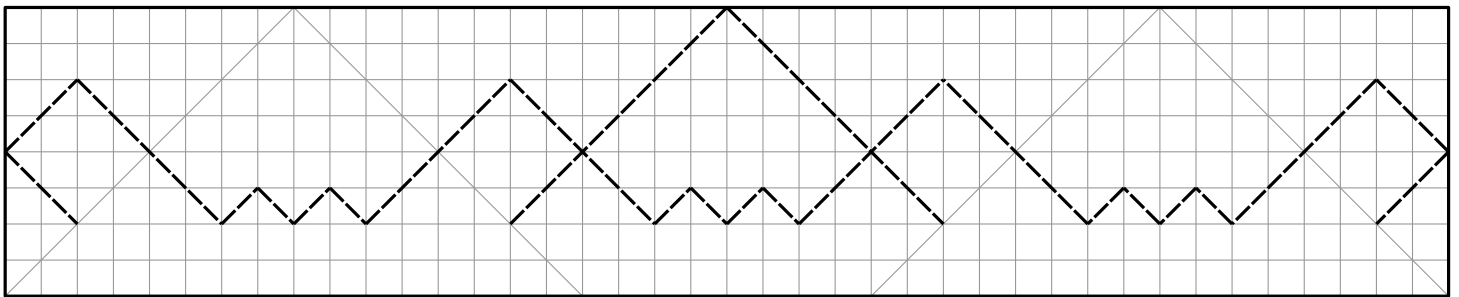
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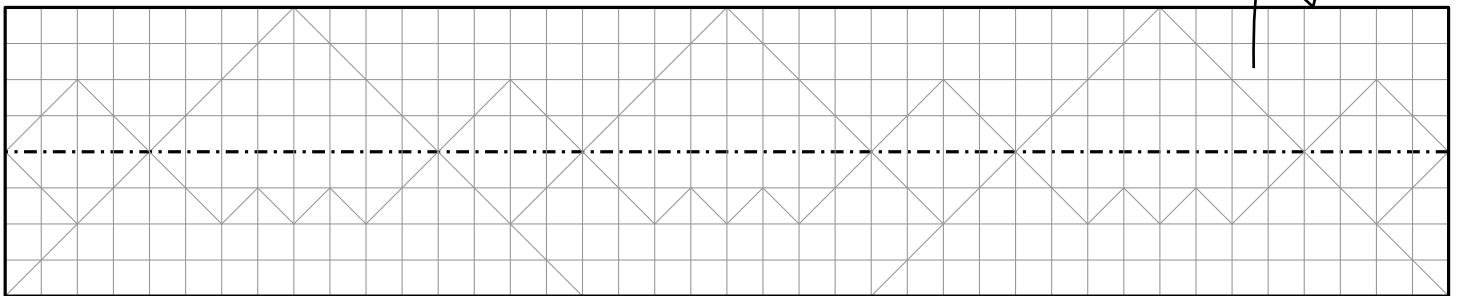
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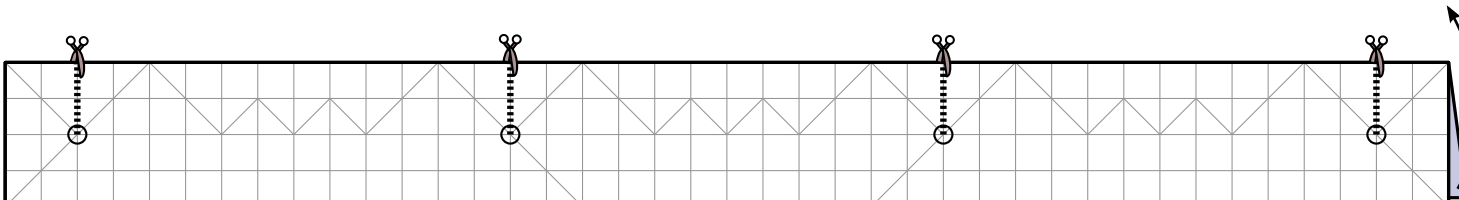
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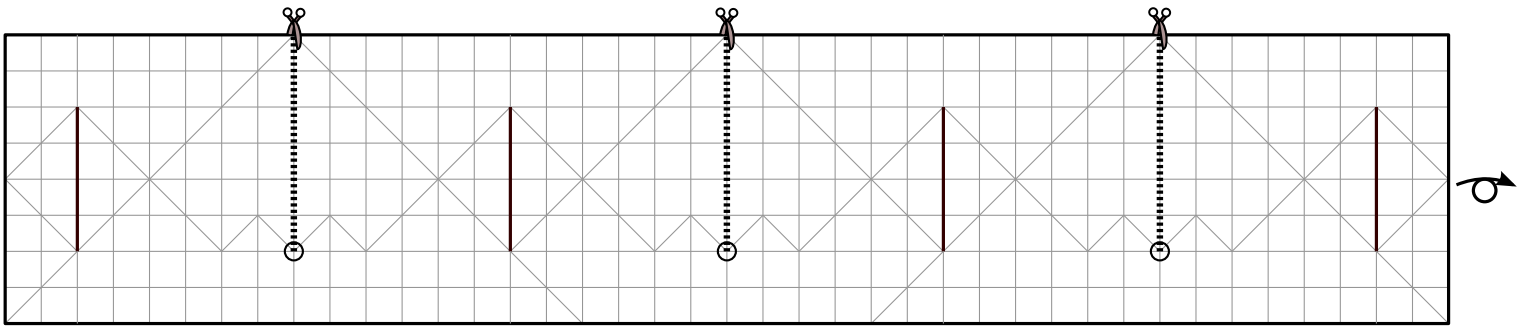
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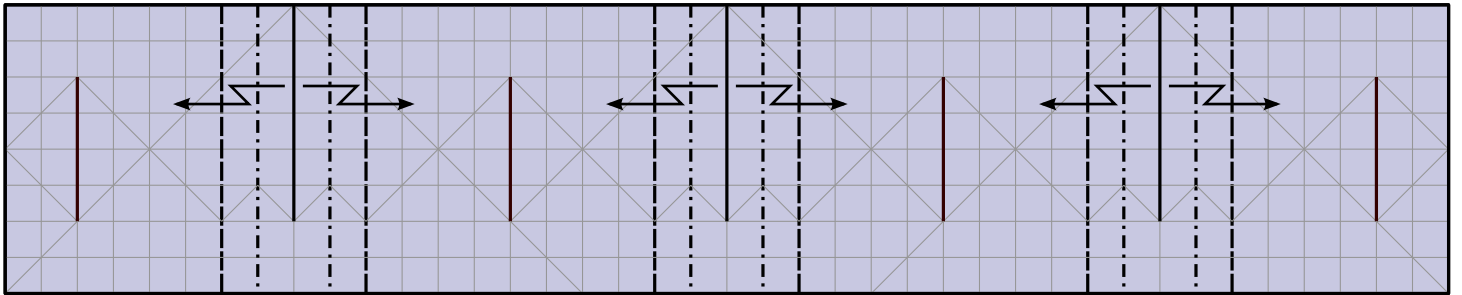
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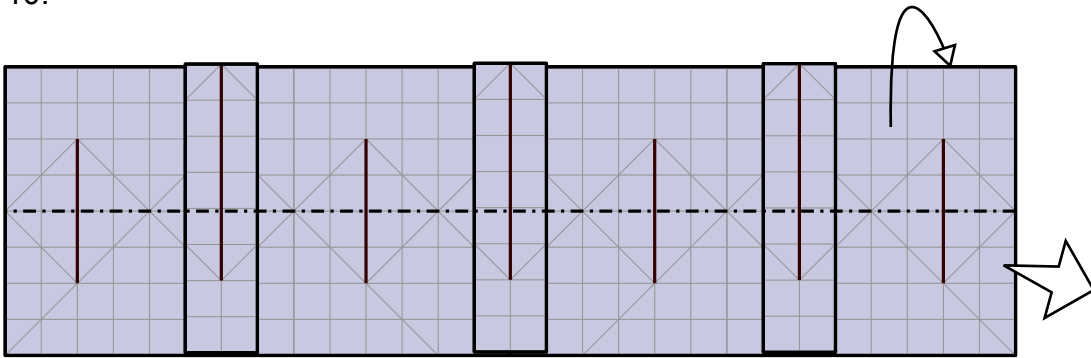
8. Cut through two layers as shown, then unfold back to step 7.



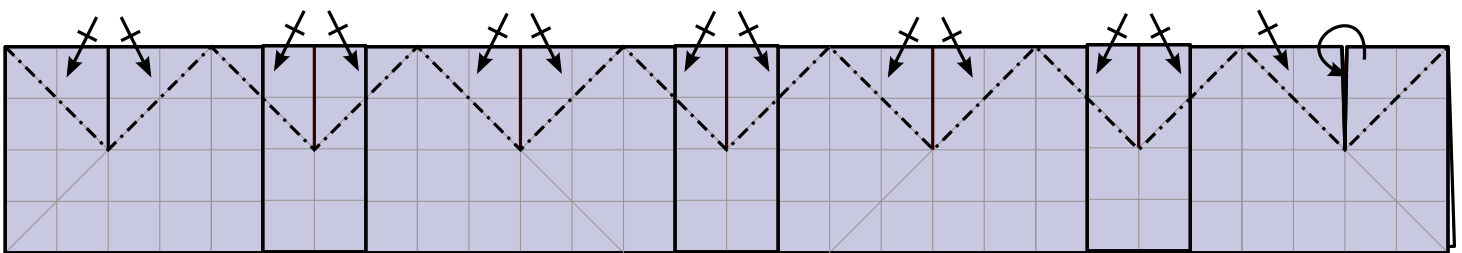
9. Cut as shown.



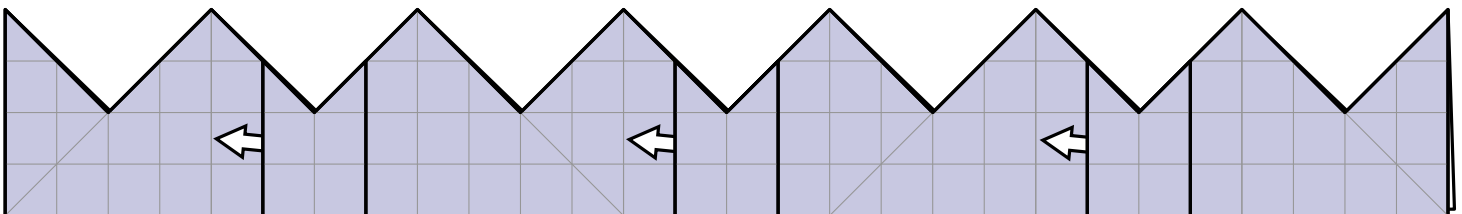
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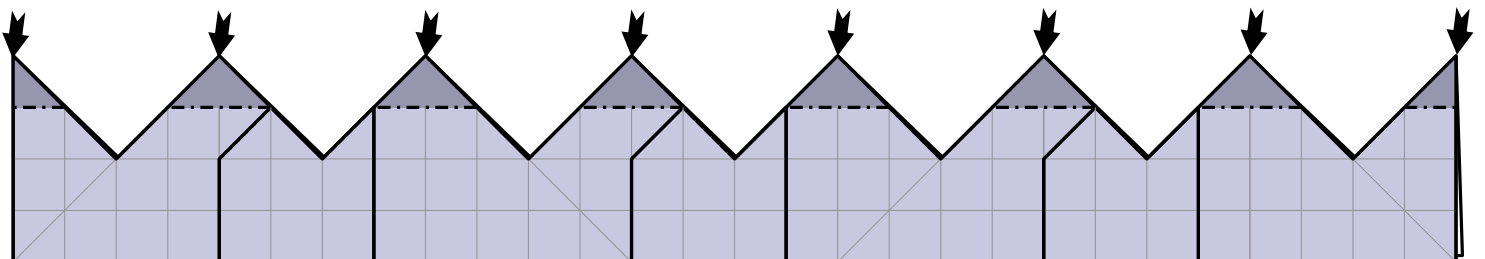
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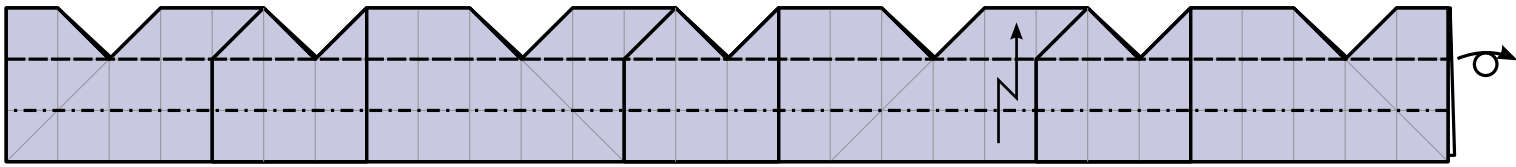
12. Inside reverse fold. Repeat on all flaps.



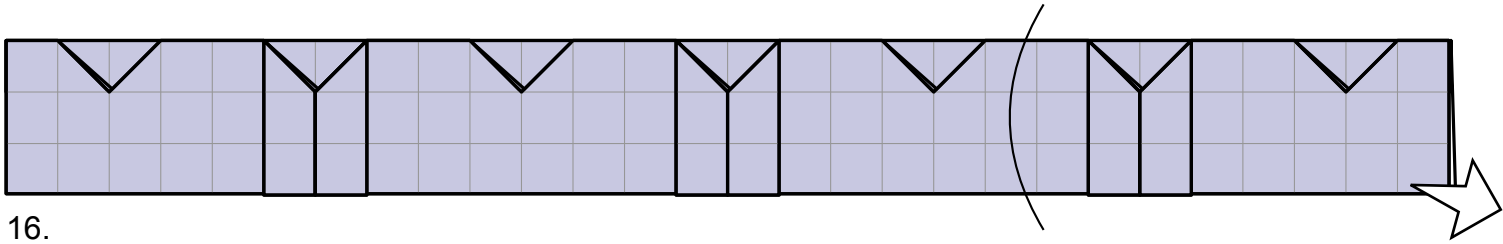
13. Unsink a flap from three consecutive pockets.



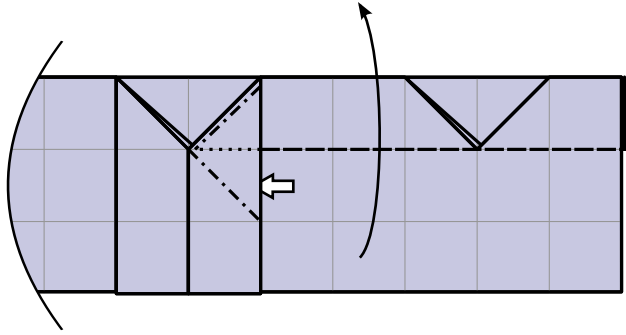
14.



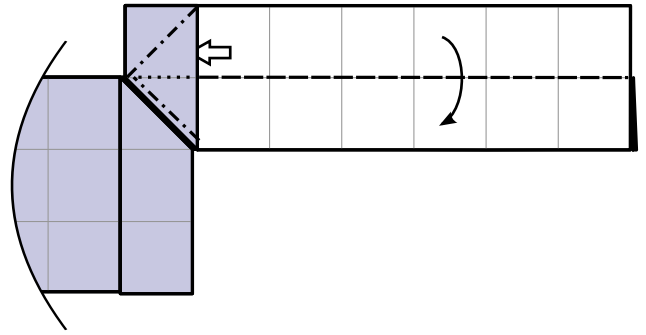
15. Pleat the front layer through the whole length.



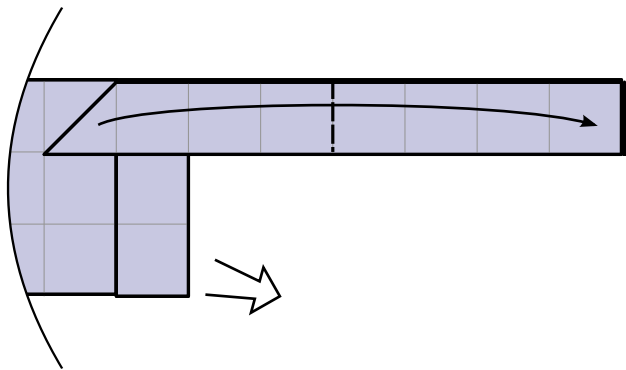
16.



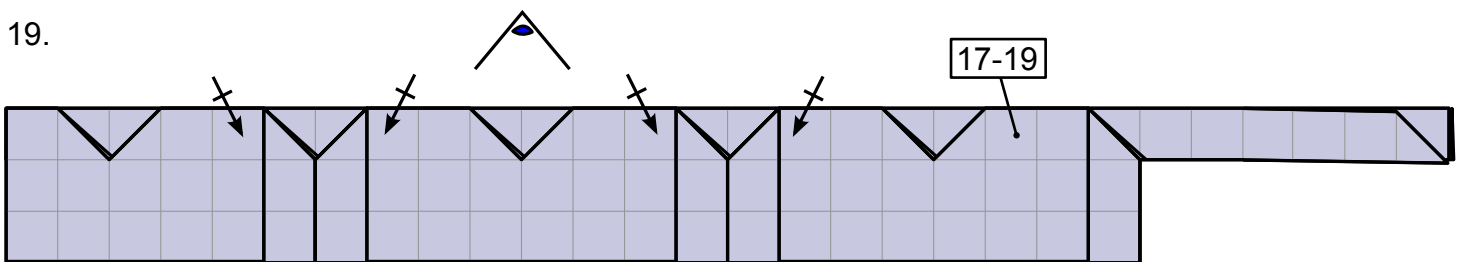
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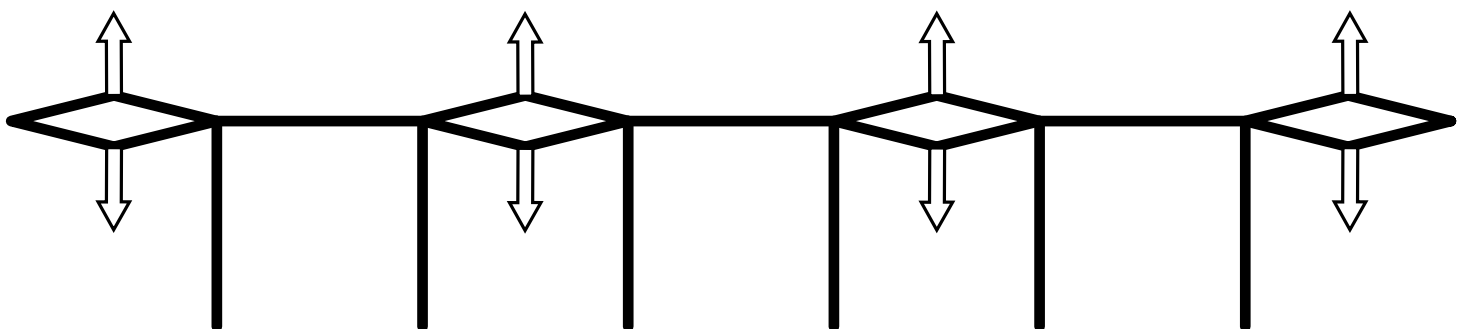
18.



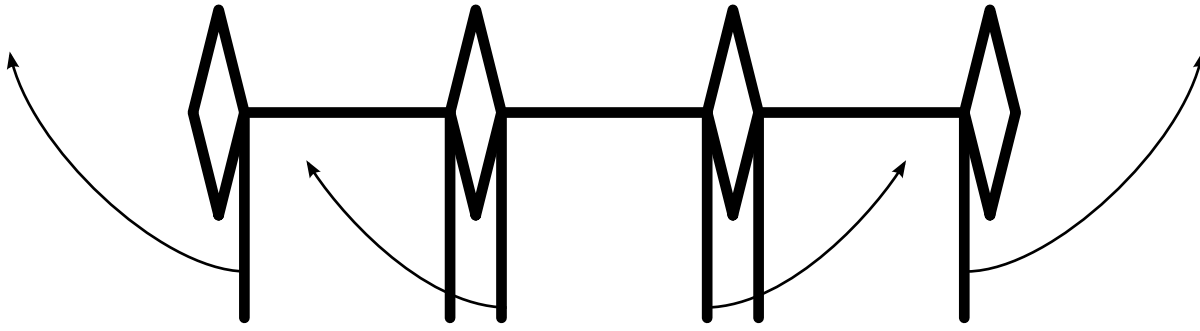
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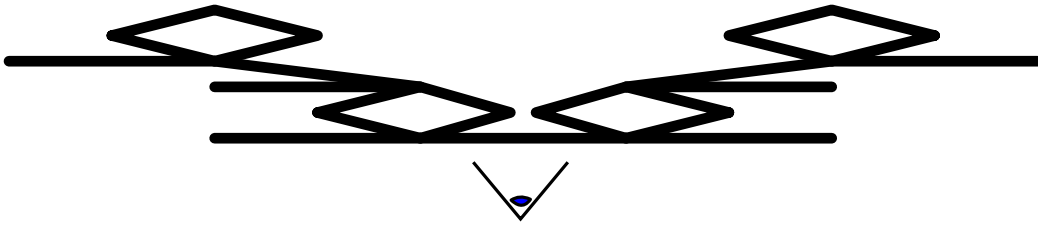
20. Repeat steps 17-19 on the other five flaps. The next step is a schematic view from the top.



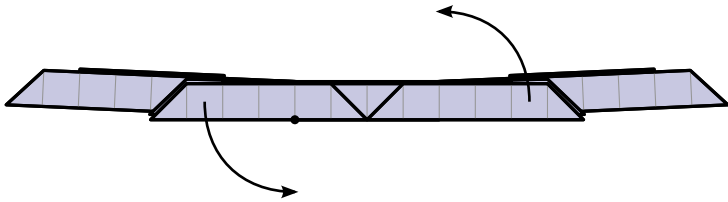
21. Pull each cavity to squash them symmetrically.



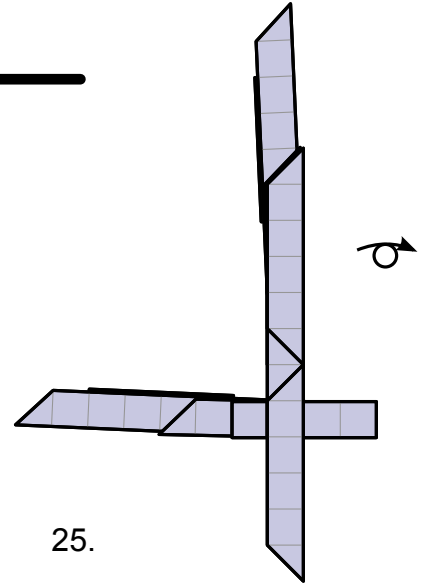
22. Align the flaps horizontally by rotating all the flaps.



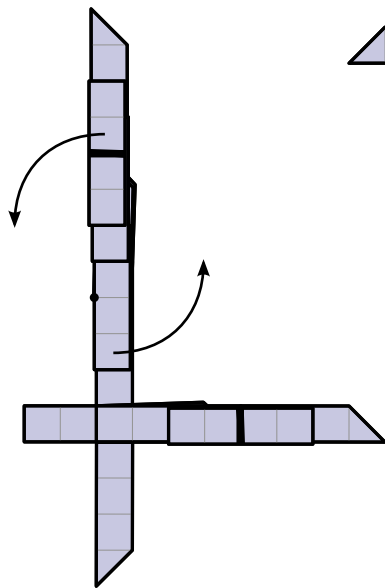
23. The next step is a normal view from the bottom.



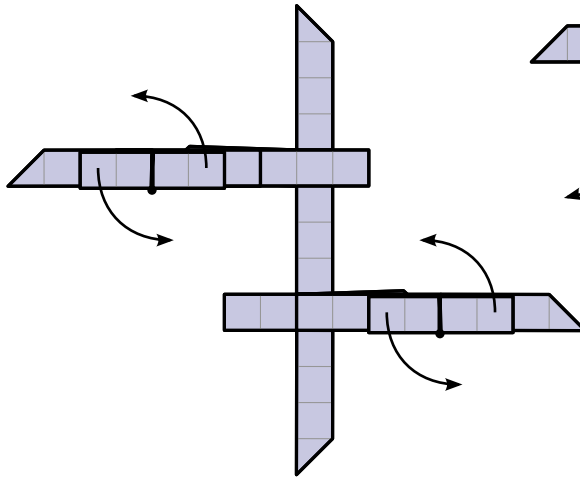
24. Swivel fold one flap on the right and the assembly on the left 90° anti-clockwise around the pivot point.



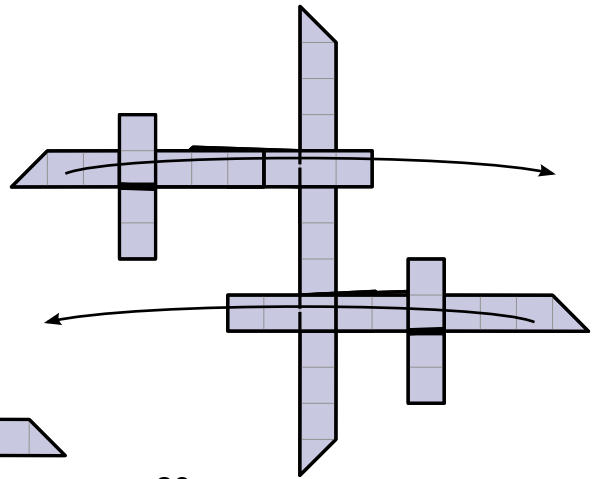
25.



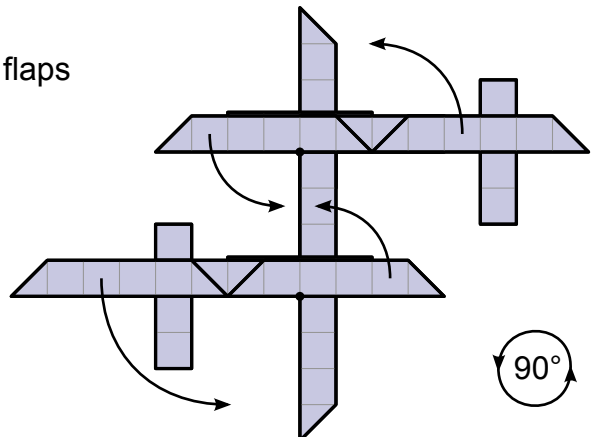
26. Swivel fold akin to step 24.



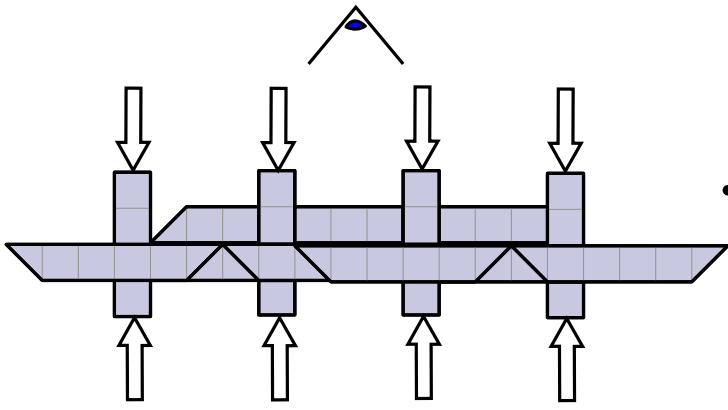
27. Swivel fold the small front flaps 90° anti-clockwise.



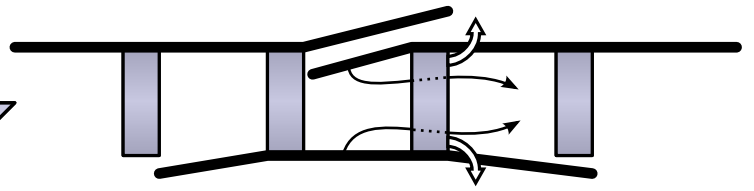
28.



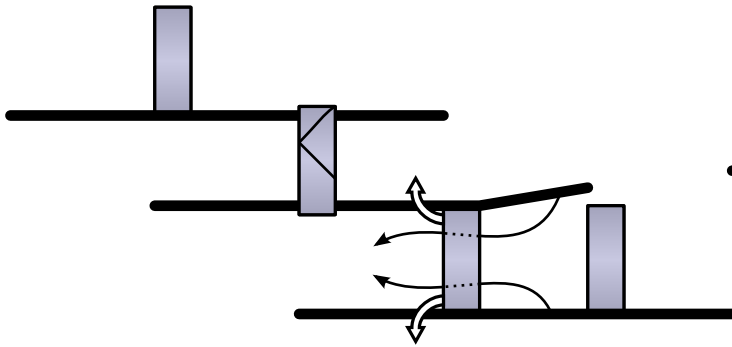
29. Swivel fold akin to step 24.



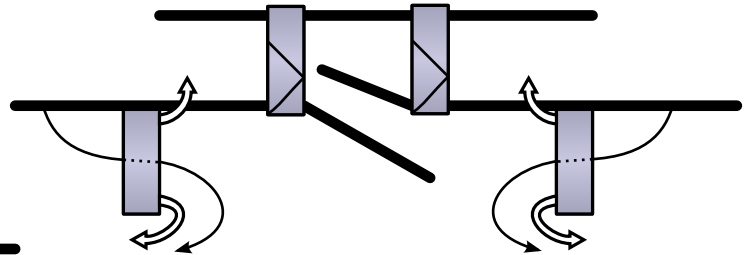
30. Form 3D rings by pushing the sides in of each cavity. The next step is a schematic view from the top.



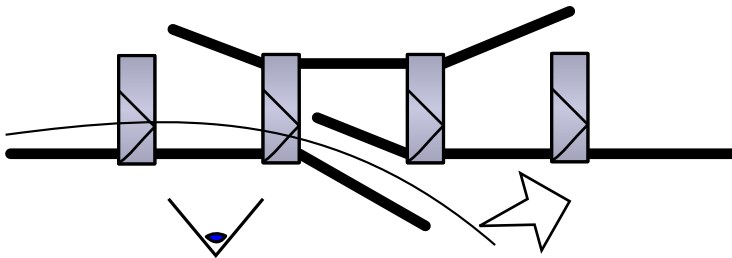
31. Turn the middle ring inside out. This is done by pulling the top flap and bottom assembly inside the ring in the same direction. This step is not easy. Never give up, trust your instincts.



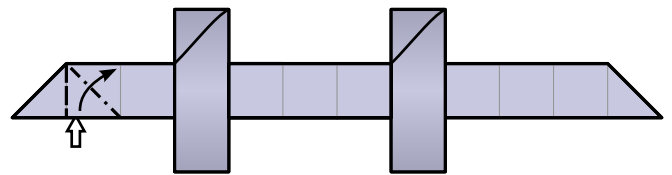
32. Turn the other middle ring inside out akin to step 31.



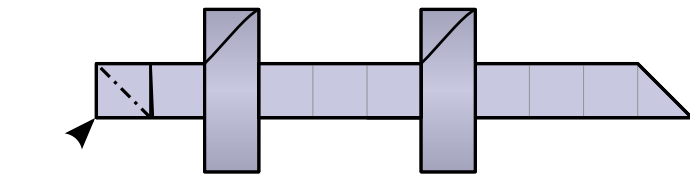
33. Turn the last two rings inside out.



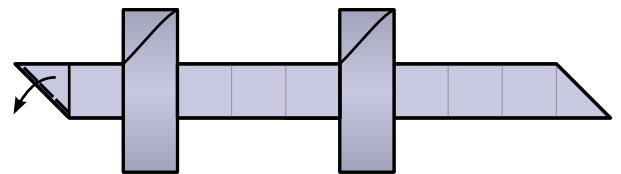
34. The next step is a normal view from the bottom focused on the lower left section .



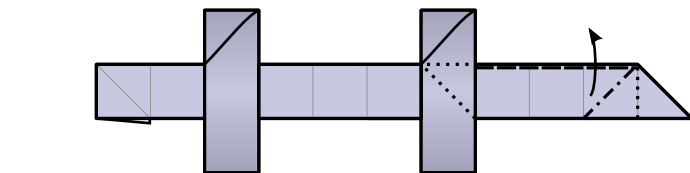
35.



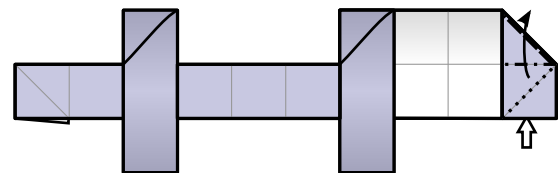
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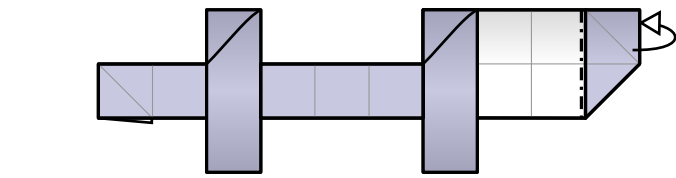
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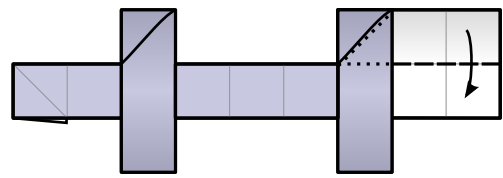
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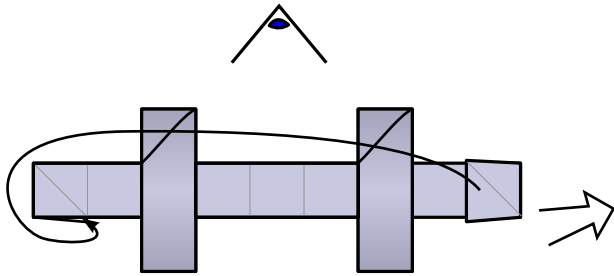
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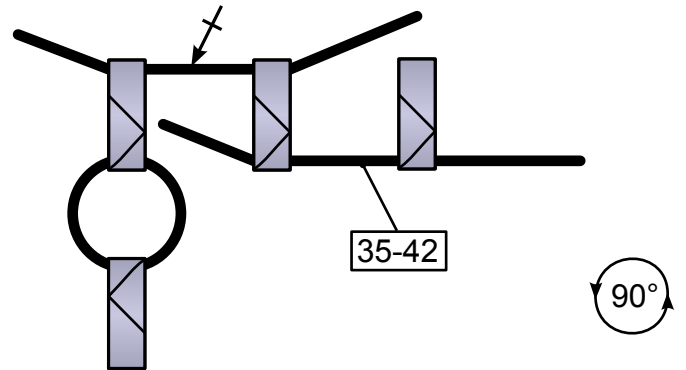
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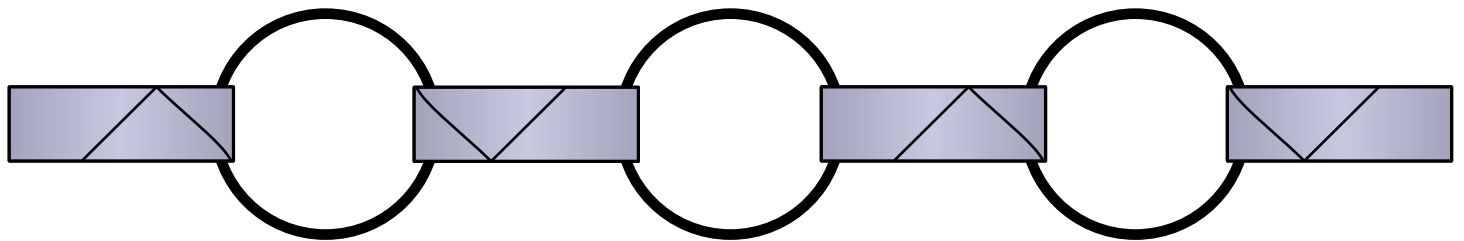
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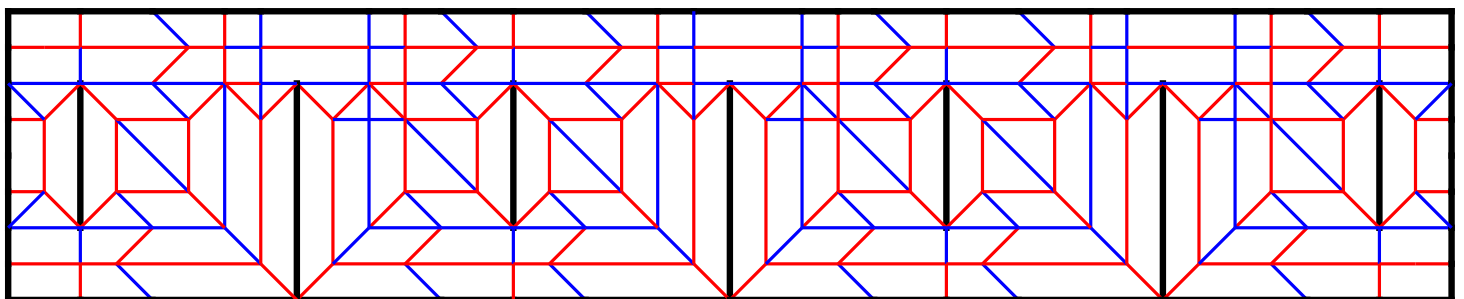
42. Insert the two flaps into each other to lock them together while curving them into a ring. This step is not easy. The next step is a schematic view from the top.



43. Repeat steps 35-42 on the other two pairs of loose flaps.



44. Finished Chain.



The corresponding crease pattern for the chain with 7 links is shown above. A grid size of $(16 + 12 * n)$ by 8 can be used to get a chain with $(3 + 2 * n)$ links. The longer the chain, the more fun the model becomes!