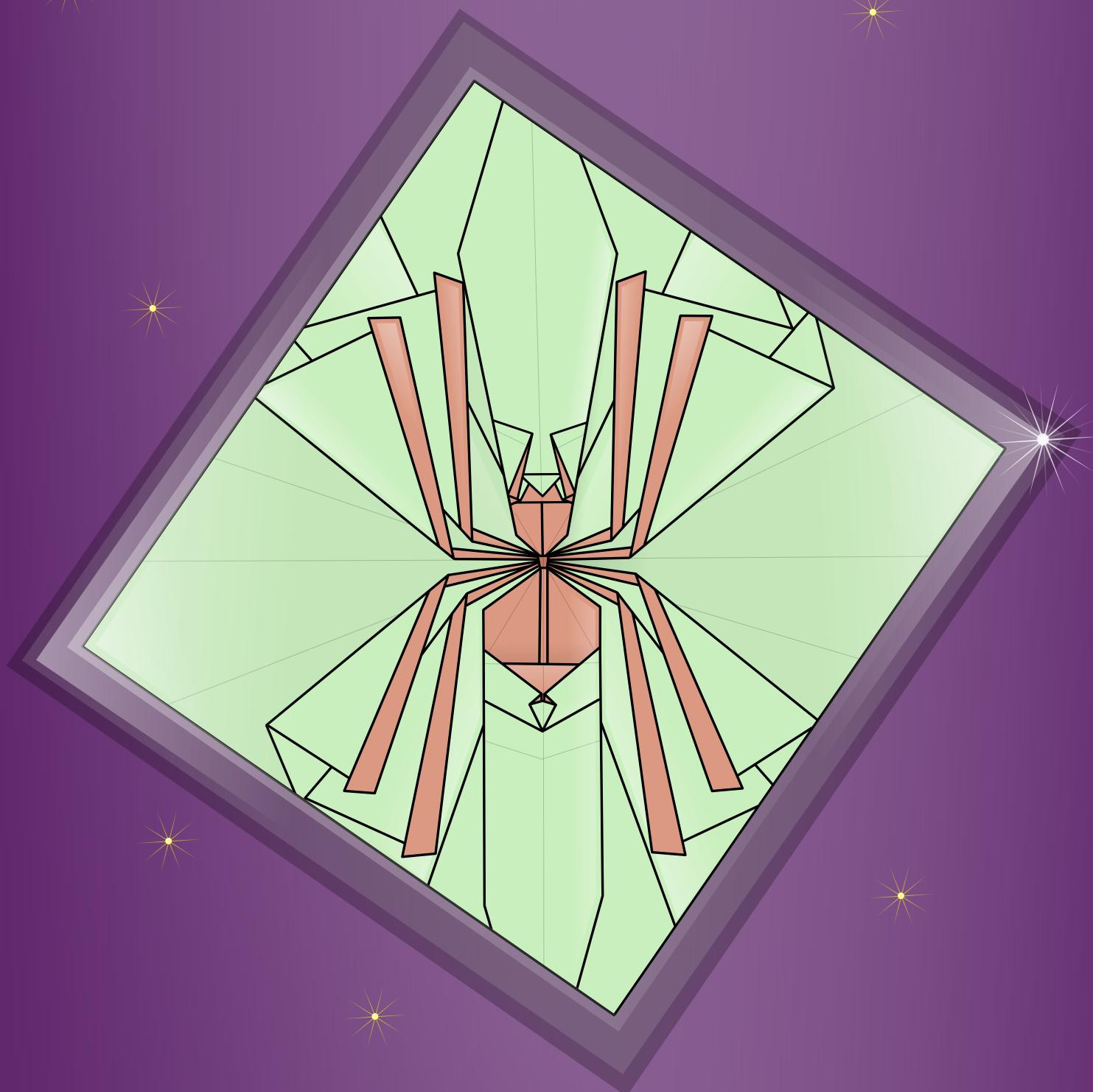
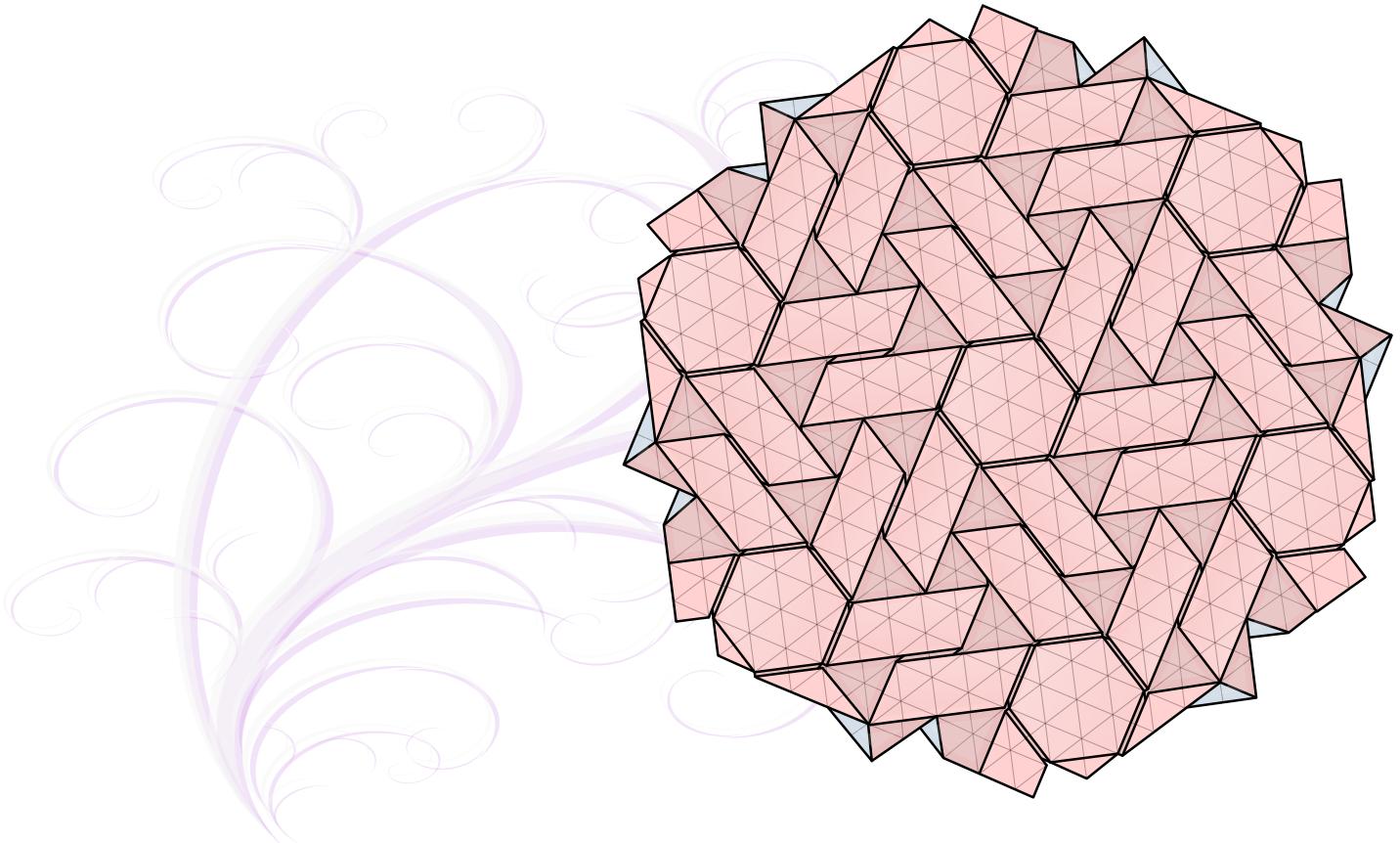


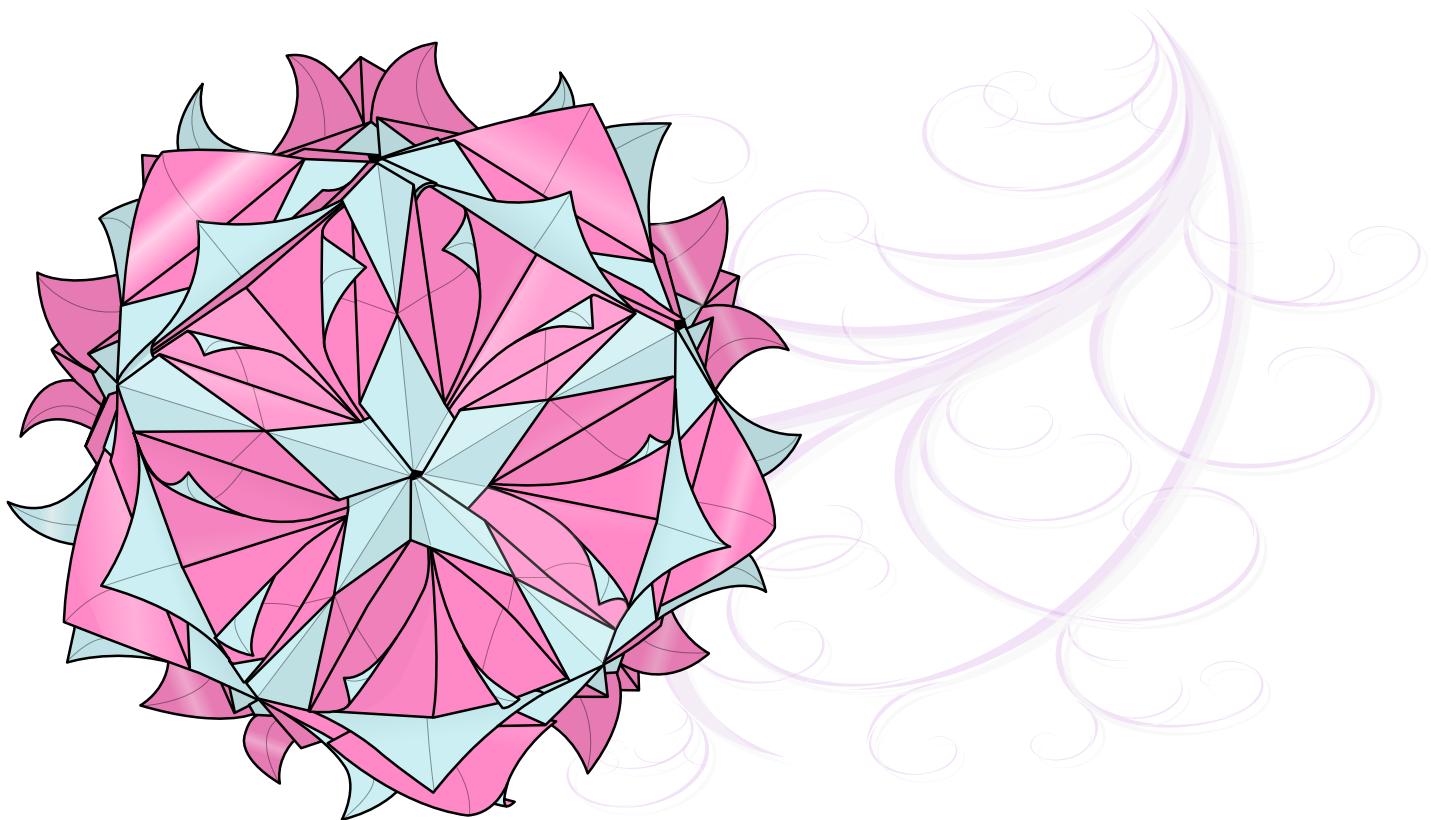
✓ International Origami Internet Olympiad



Russia 2015



V International Origami Internet Olympiad



Russia 2015

Jury:

Andrey Ermakov - founder of the olympiad

Peter Stein - origami olympiad champion in 2014

Yaroslav Terehov - administrator of oriart.ru forum

Andrey Lukyanov - administrator of loveorigami.info forum

Jared Needle - origami artist

Designers:

Andrey Lukyanov (Russia)

Nathan Zimet (USA)

Sebastien Limet (France)

Andrey Ermakov (Russia)

Juston Hairgrove (USA)

Uniya Filonova (Russia)

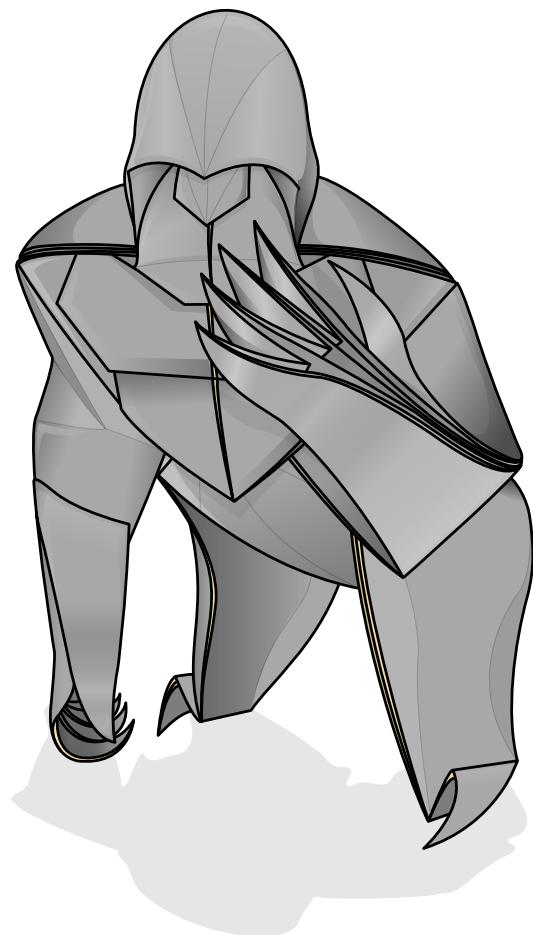
Yasushi Miyashita (Japan)

Martin Laube (Germany)

Ryoichi Takagi (Japan)

Eric Joisel (France)

Viviane Berty (France)



Olympiad is conducted in the Internet. All official announcements are available on the origami forums:

oriart.ru; forum.loveorigami.info; snkhan.co.uk e.t.c.

For more information please contact e-mail specified in the rules.

Edited by Andrey Ermakov

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Own Project Theme:

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Rules :

1. Any type of paper can be used.
2. Participants are allowed to paint and glue models if it would not prevent identification of all elements of the model (including pre-creased lines defining the assembly process). This rule does not apply to the participant's own design.
3. Only photos never published before the olympiad are allowed.
4. Each model should be photographed from at least three angles to clearly display all the details. Low quality photos will not be considered, but total size of the resulting message should not exceed 10 Mb.
Recommended size of pictures is from 640x640 to 1500x1500 pixels.
5. Minimal editing of the pictures is allowed as long as it doesn't affect the appearance of the model. E.g. you can crop photos, reduce the noise, change color balance but you must not add, erase or change any details.
6. Participants should not upload photos of their models to the Internet before the end of the Olympiad.
7. Send your results before 15.11.2015 to
origami2015olympiad@gmail.com

Task №1

Heart with butterfly

Andrey Lukyanov (Russia)

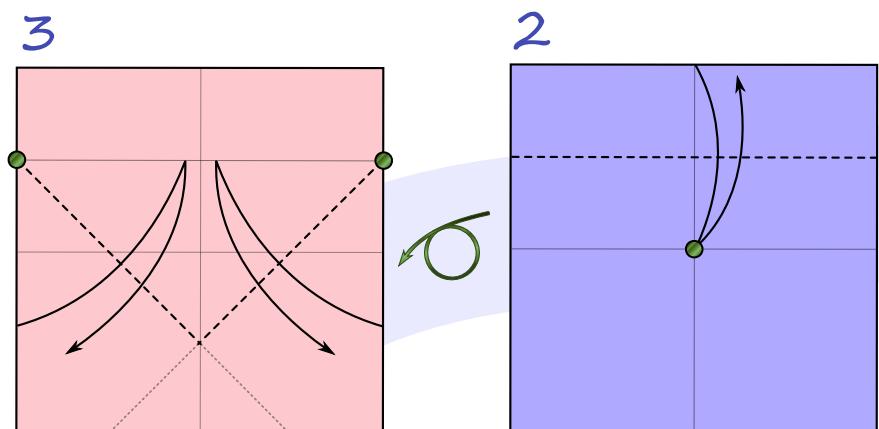
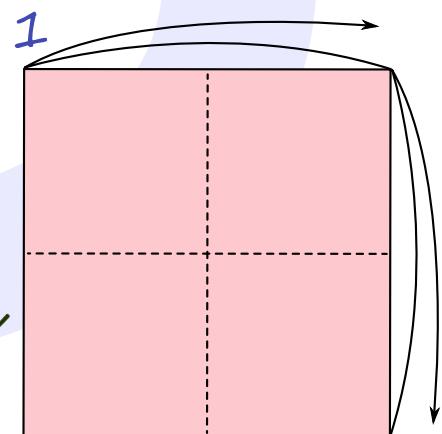
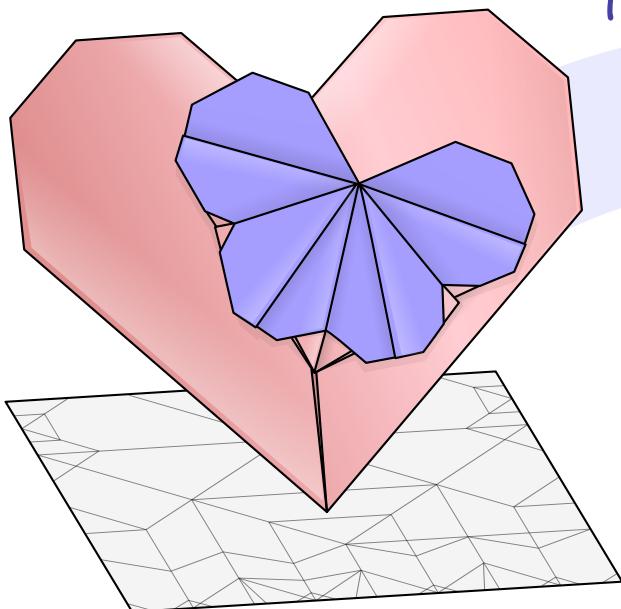
Difficulty: **** -----

Paper: 40-50 g/m²

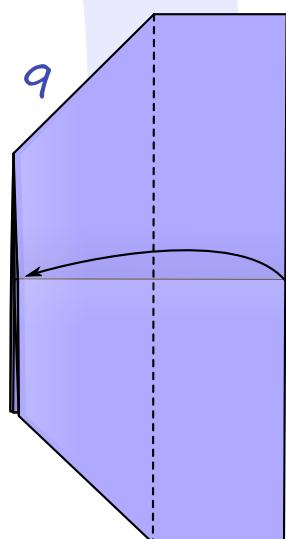
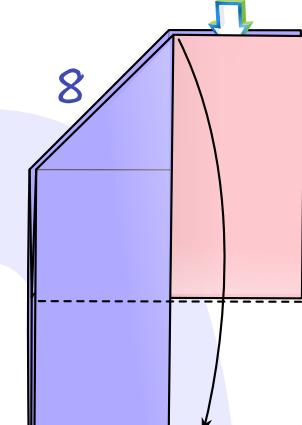
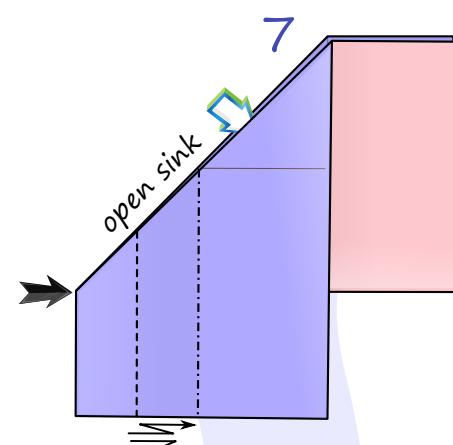
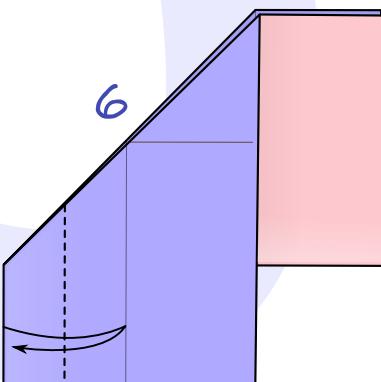
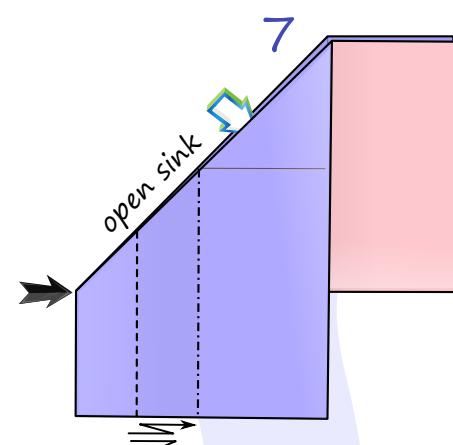
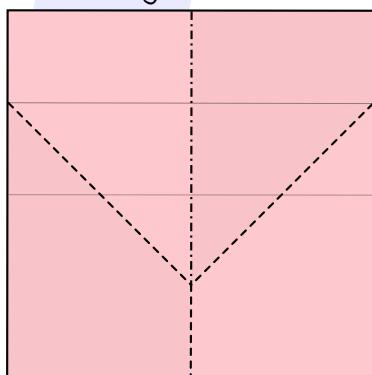
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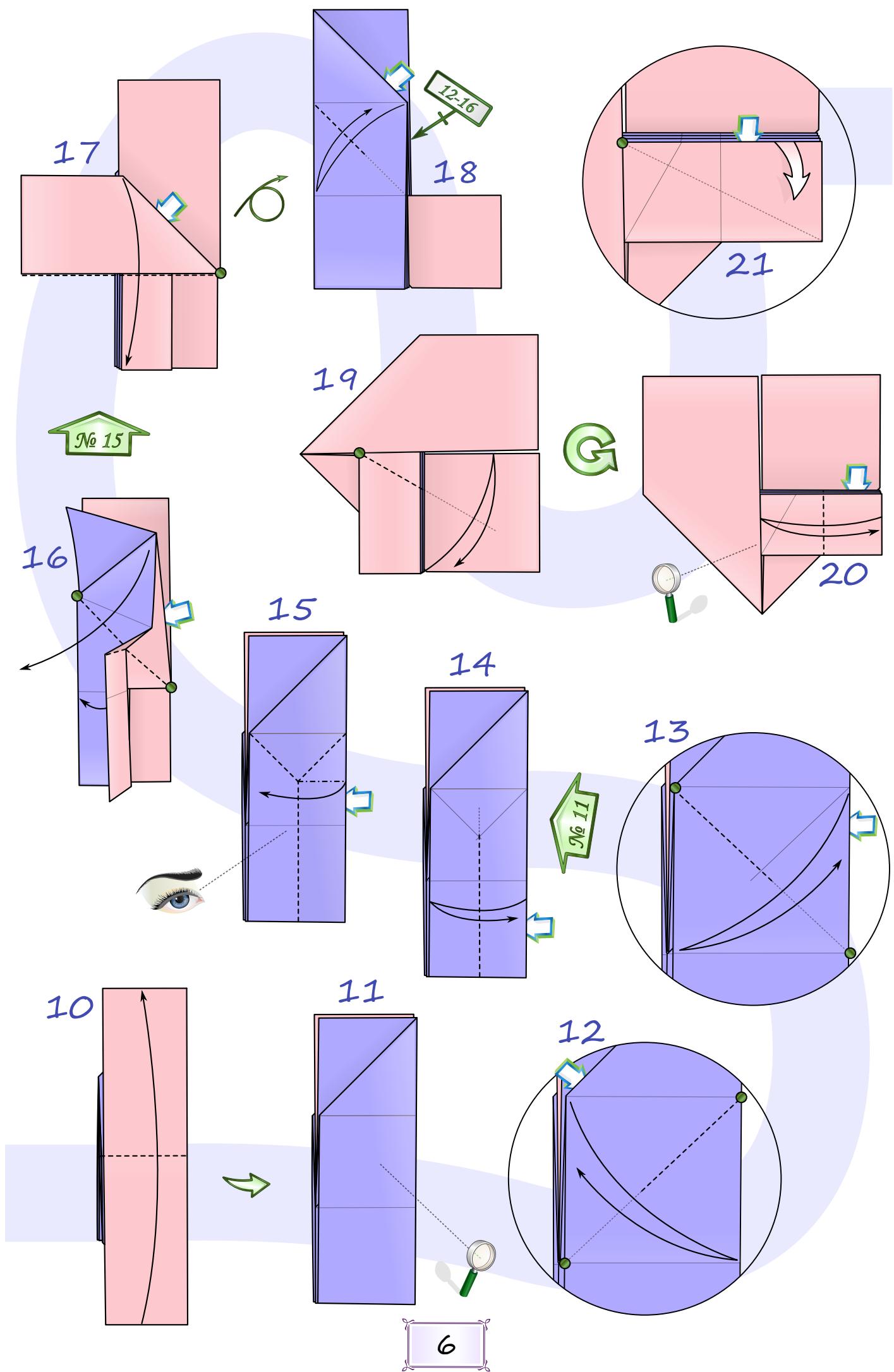
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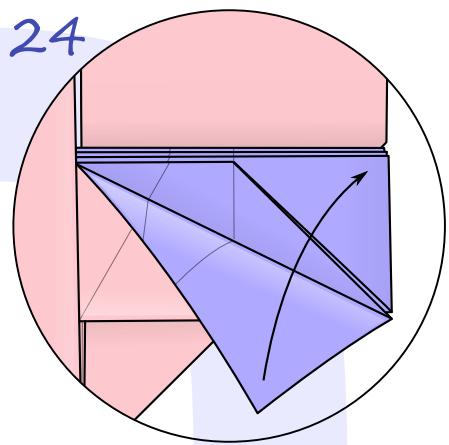
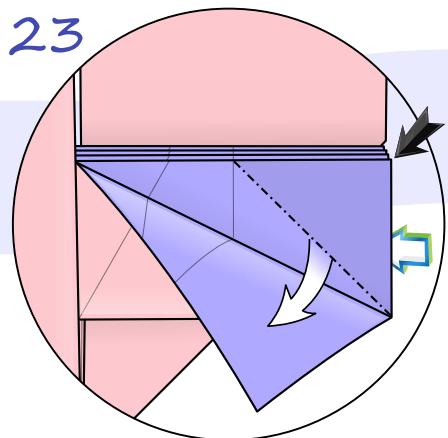
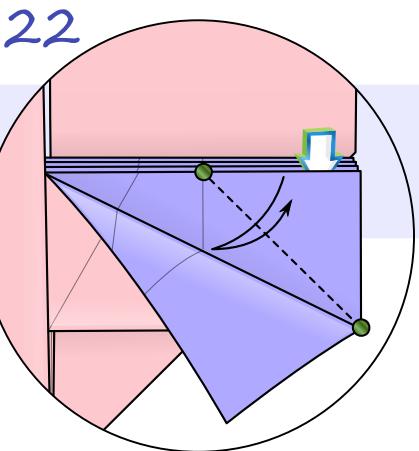
Max score: 3 points



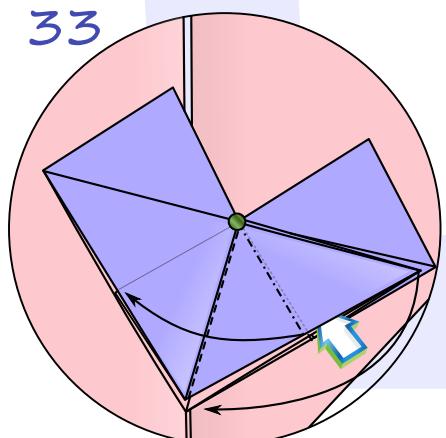
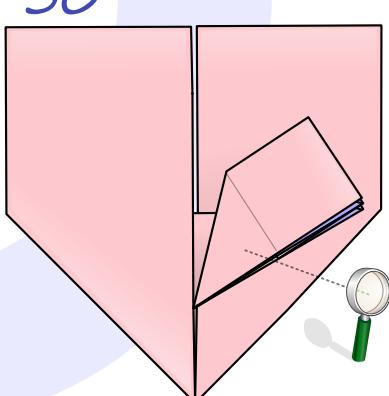
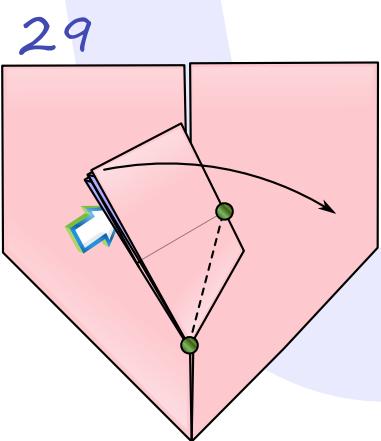
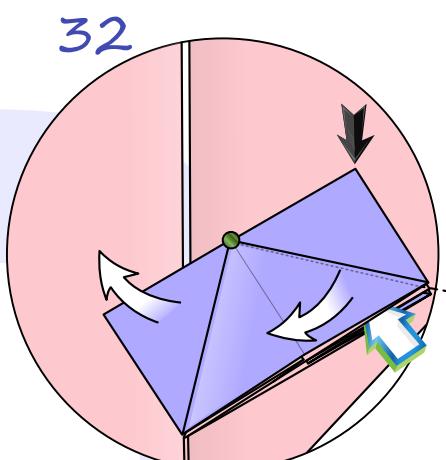
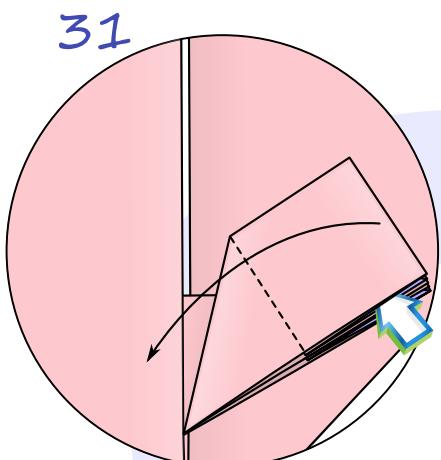
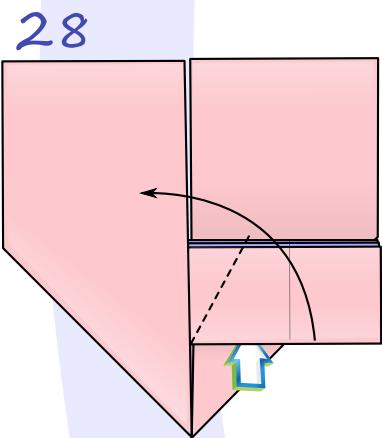
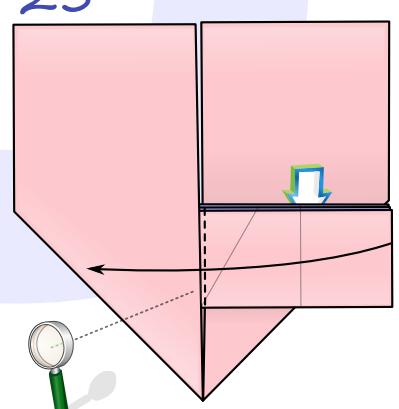
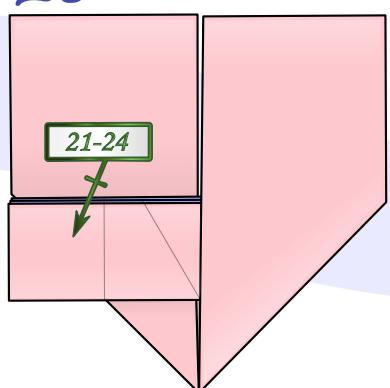
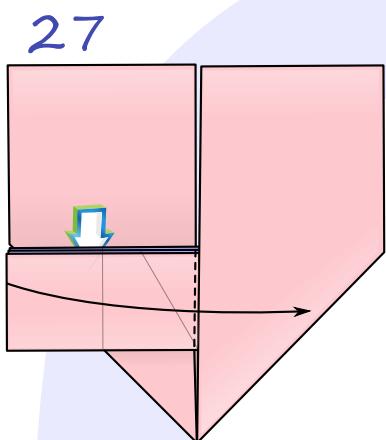
4 assemble using the existing crease lines

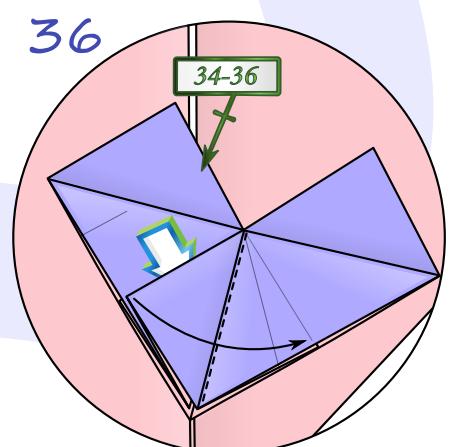
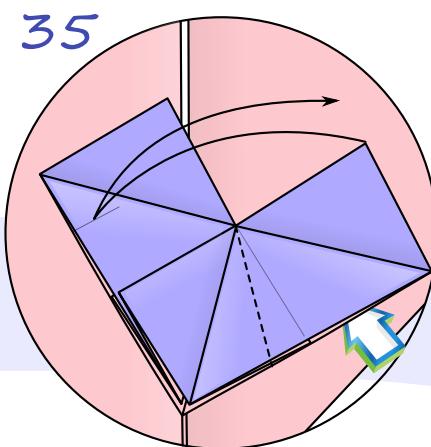
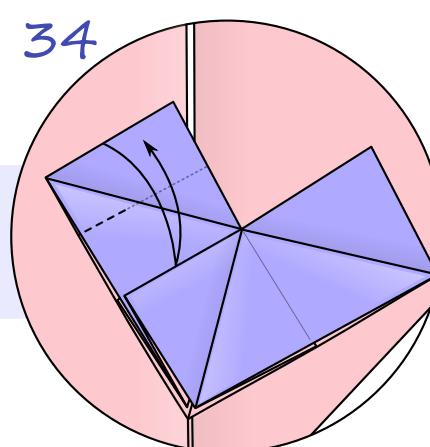
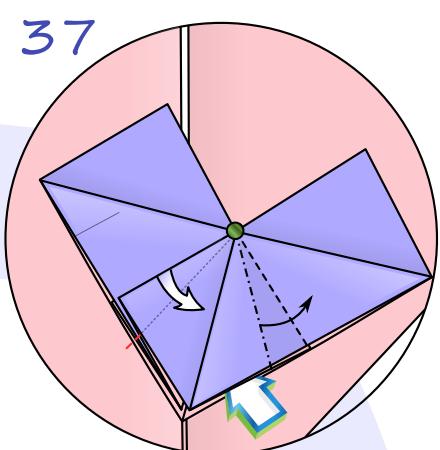
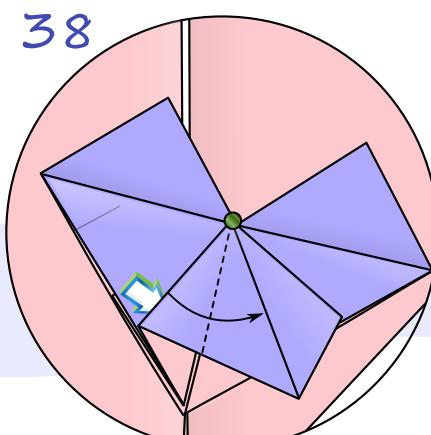
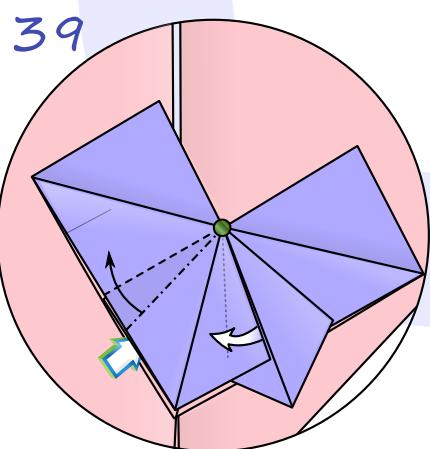
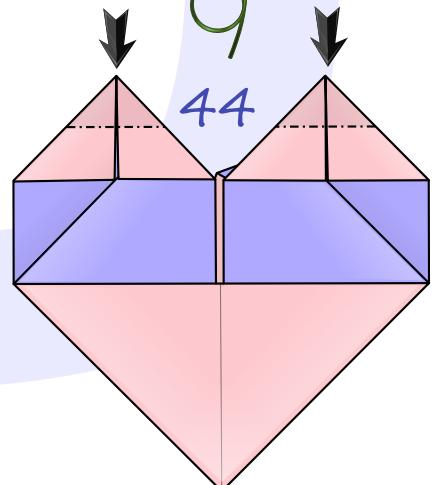
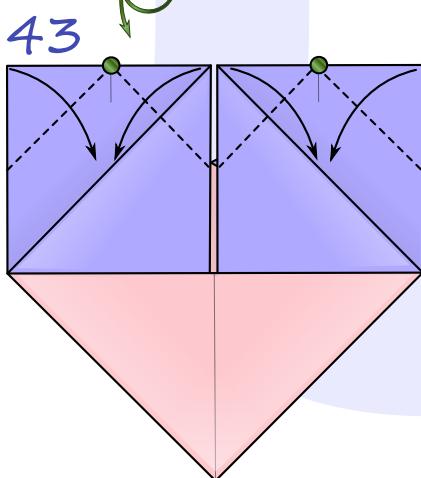
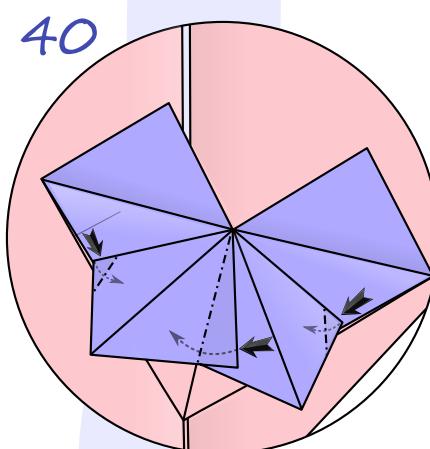
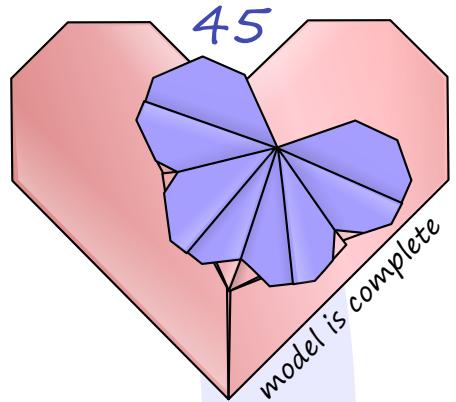
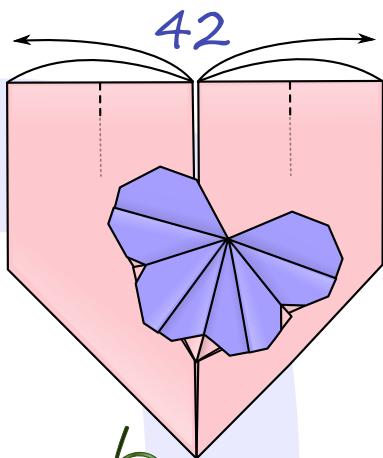
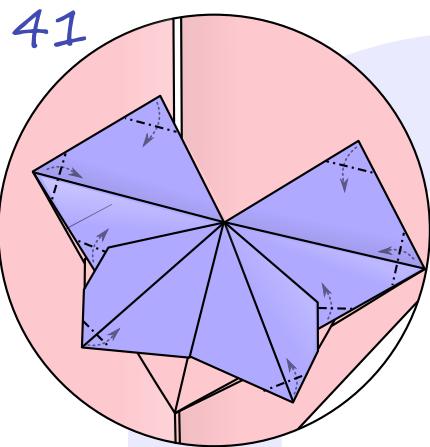






№ 21





Task №2

Rooster

Nathan Zimet (USA)

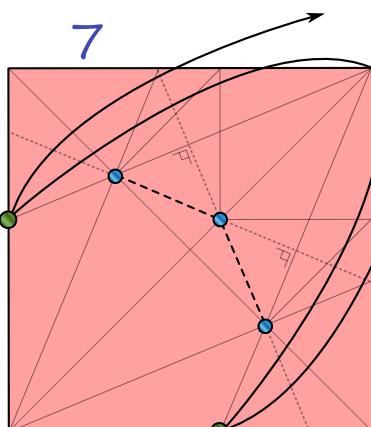
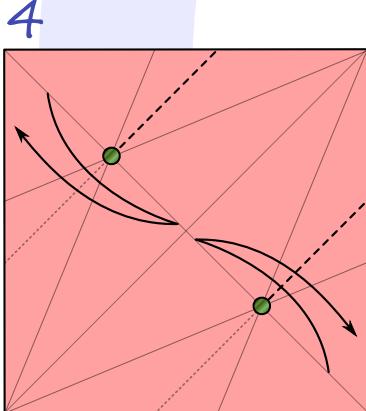
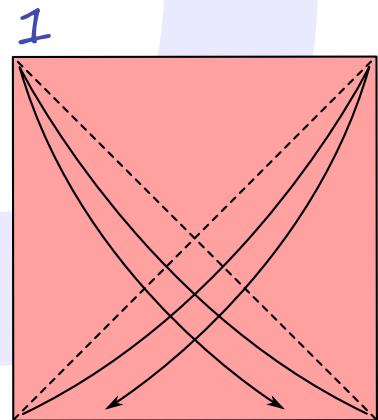
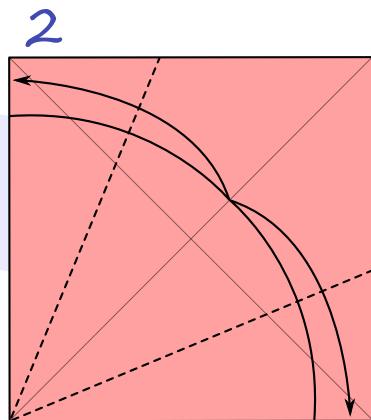
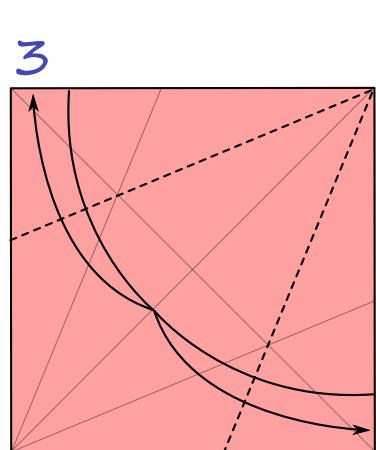
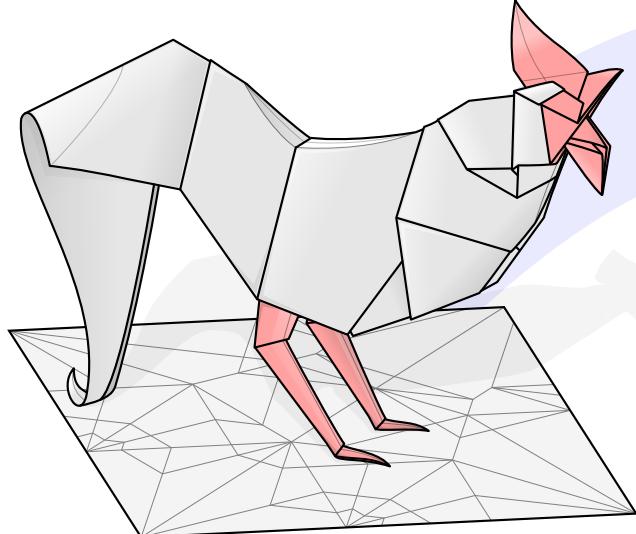
Difficulty: ***** -----

Paper: 40-50 g/M²

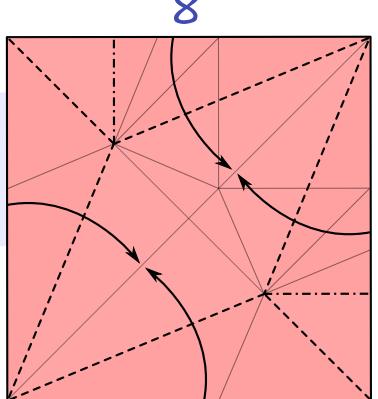
Paper size: 30-30 CM

Model length: 12 CM

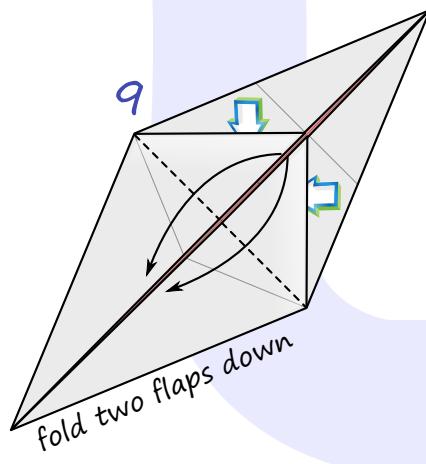
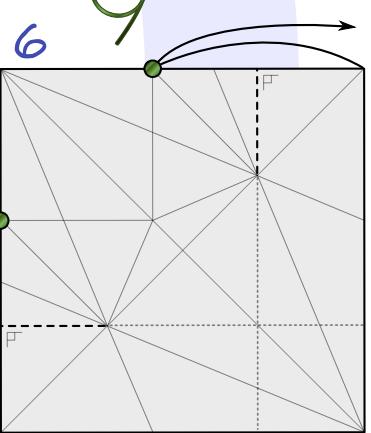
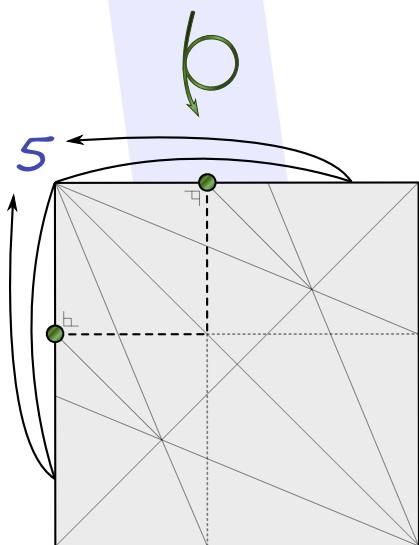
Max score: 5 points

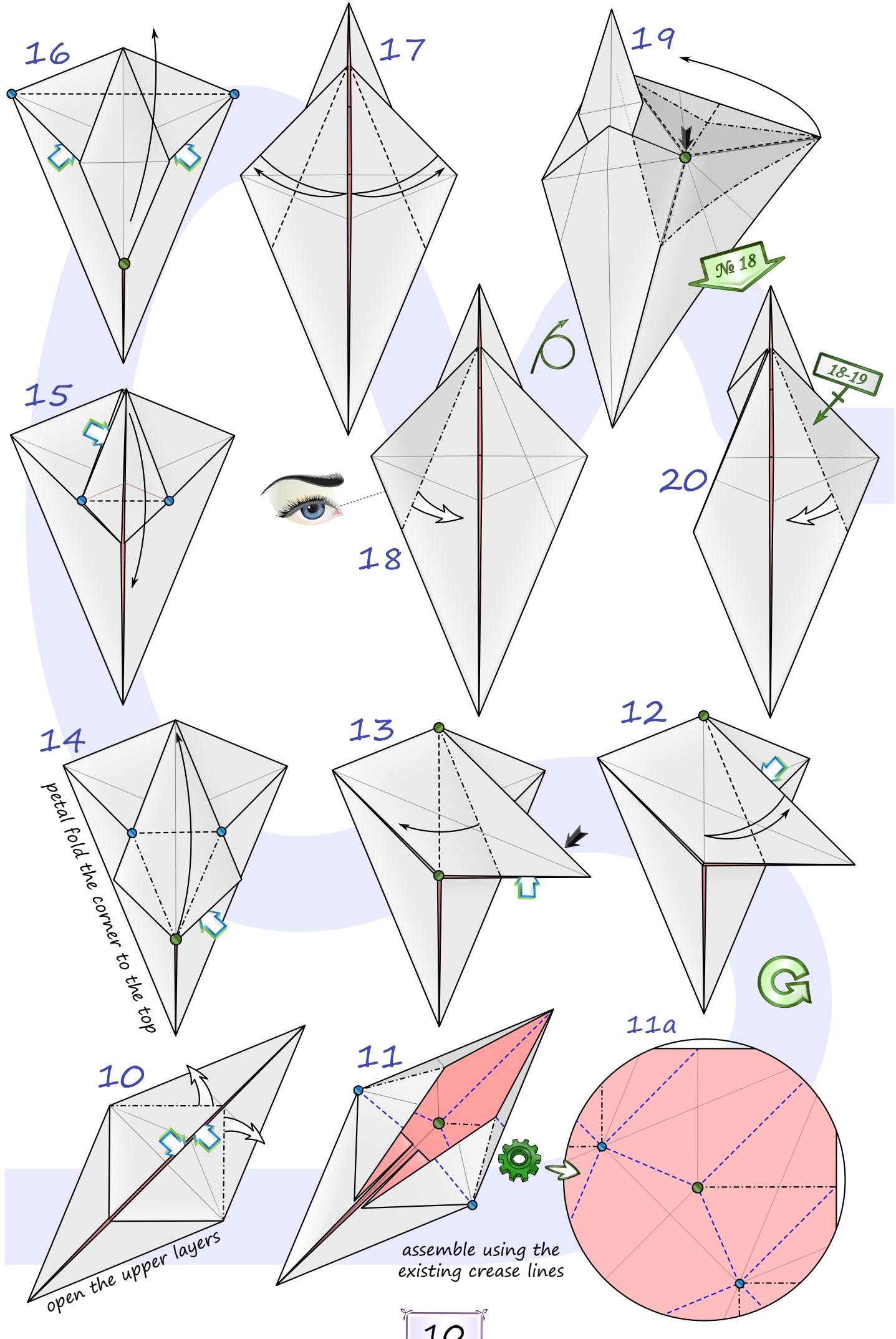


crease between the
blue circled points



do two rabbit ear folds
to make a fish base





open the flaps along the shown creases,
the lower one is precreased

21

22

23

23a

in progress...

24

23b

25

fold the two flaps upwards

26

28

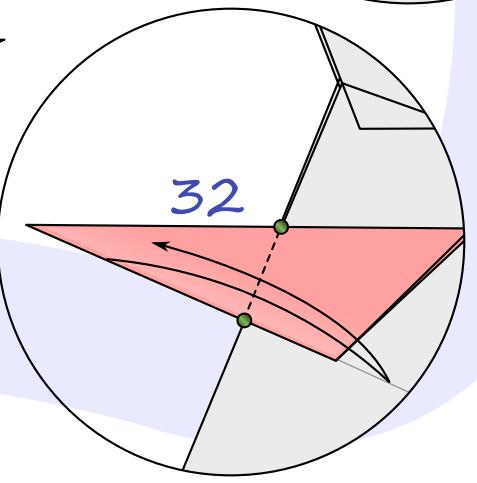
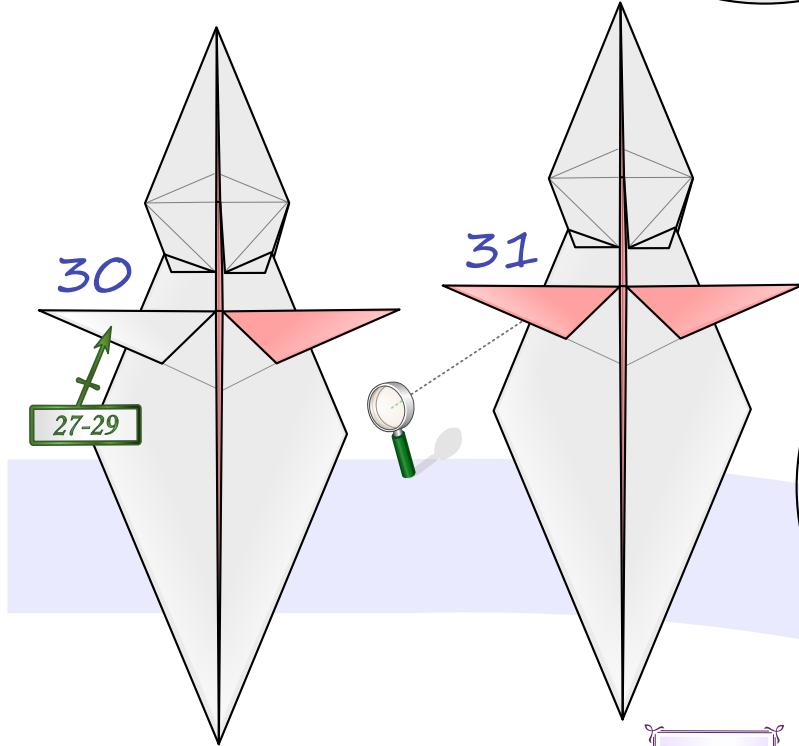
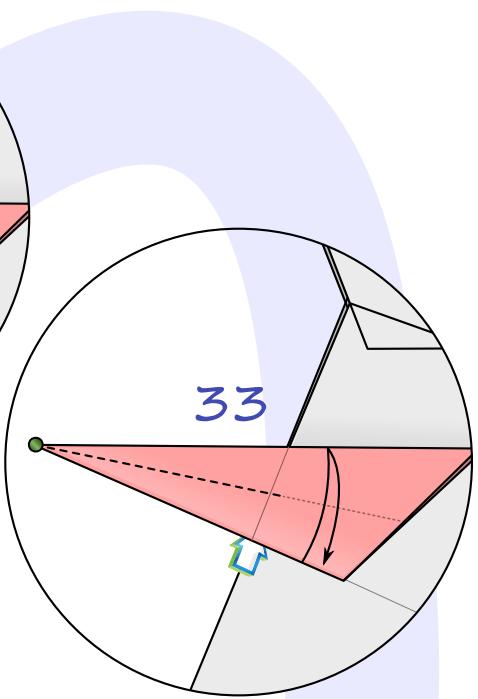
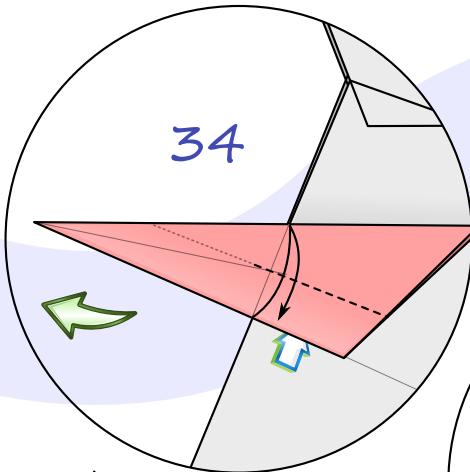
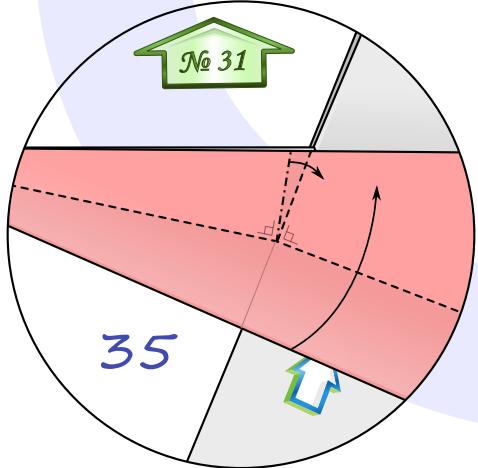
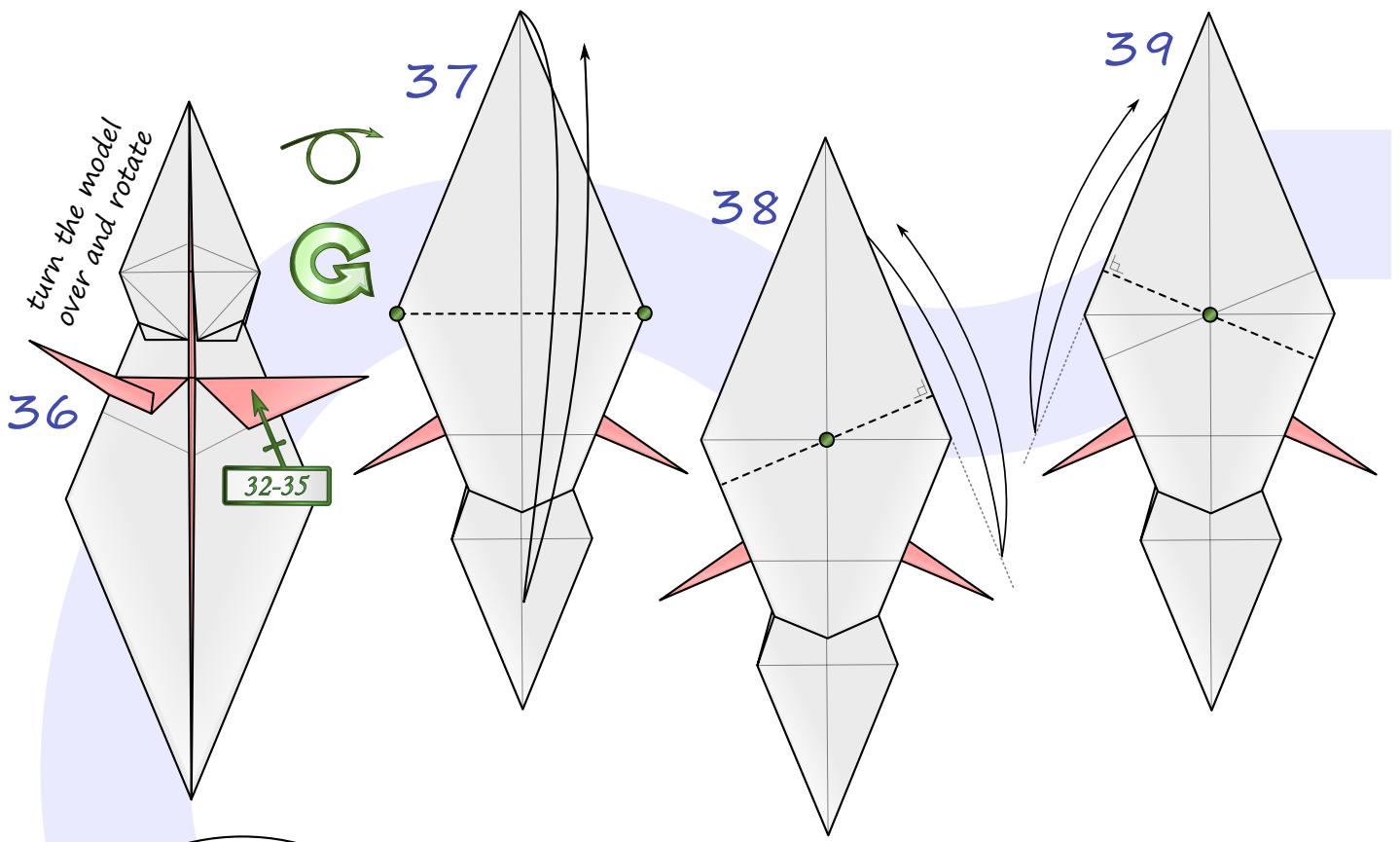
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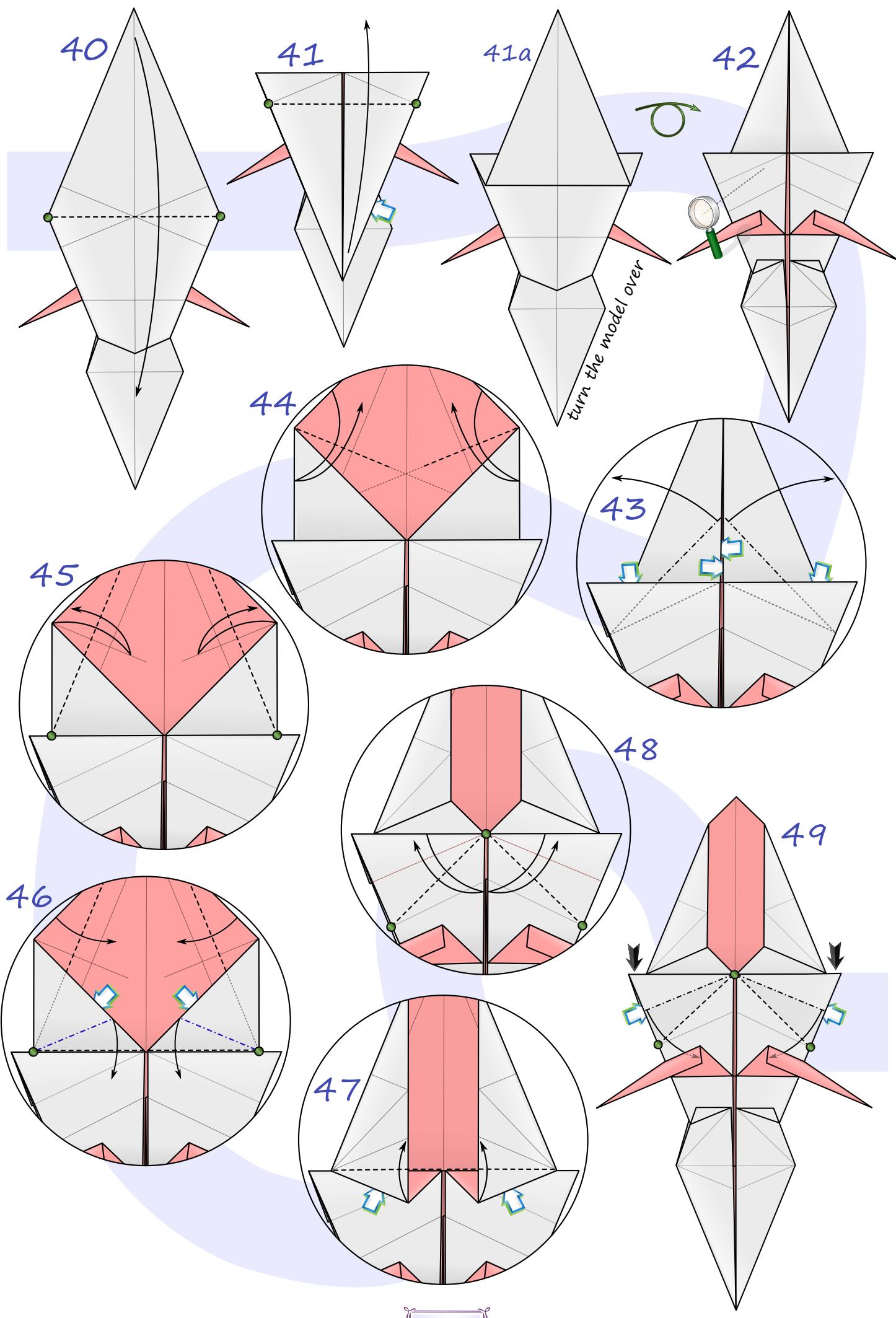
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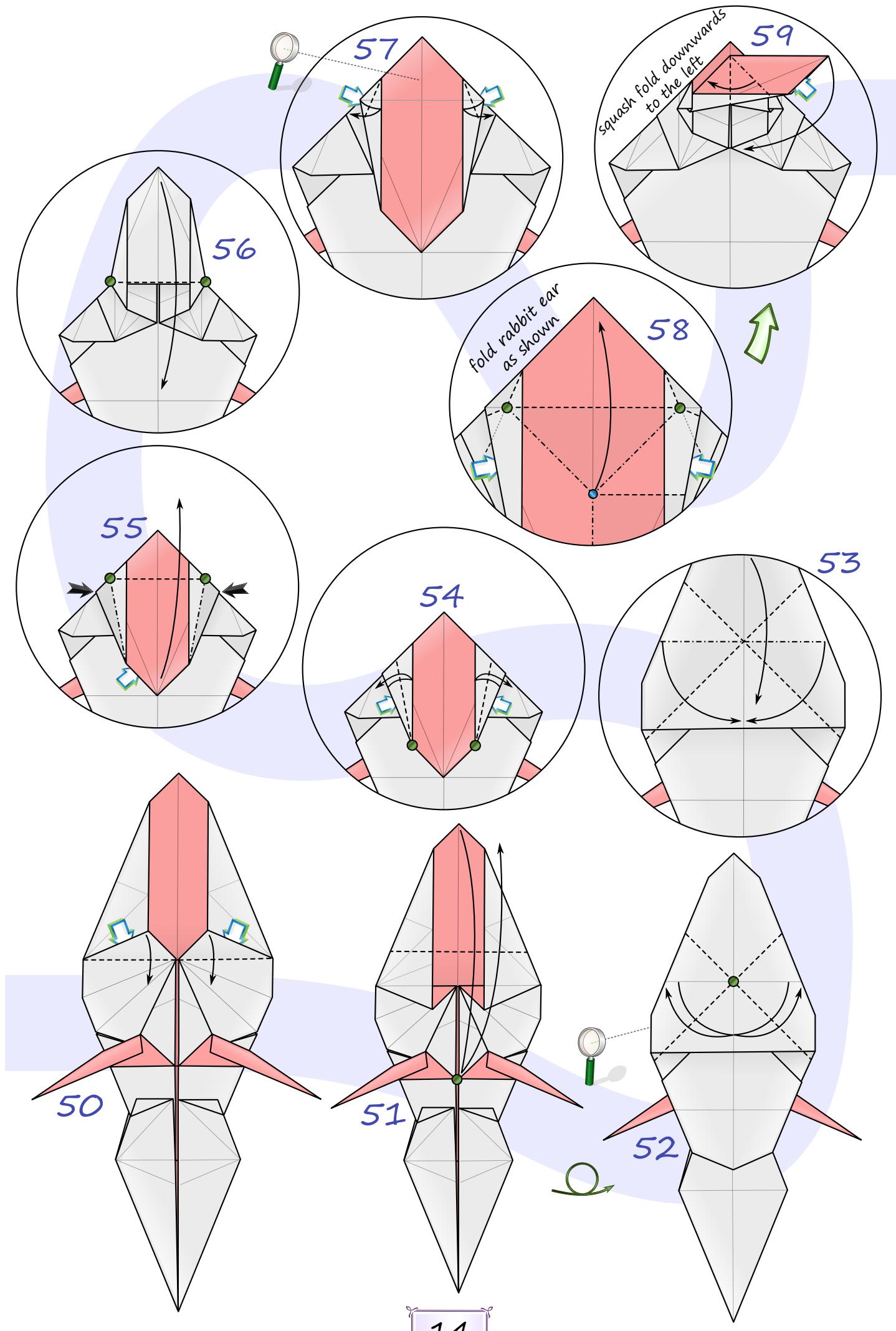
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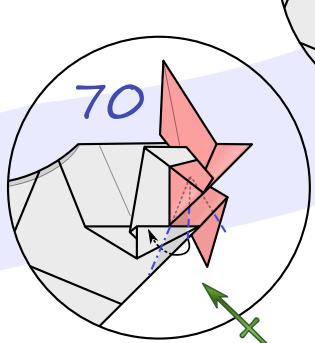
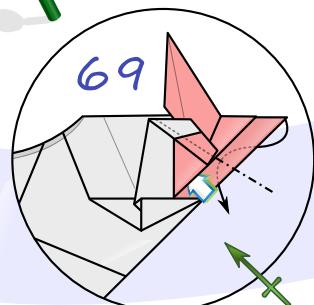
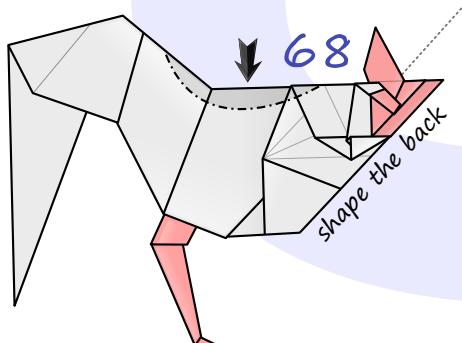
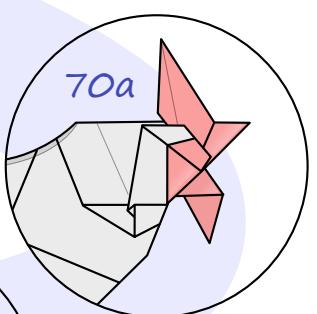
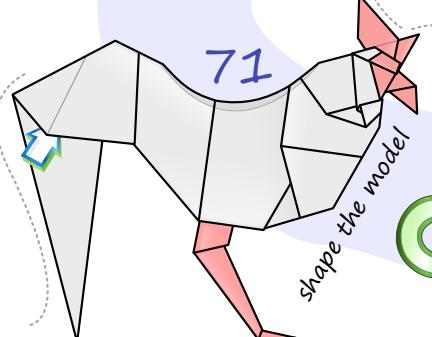
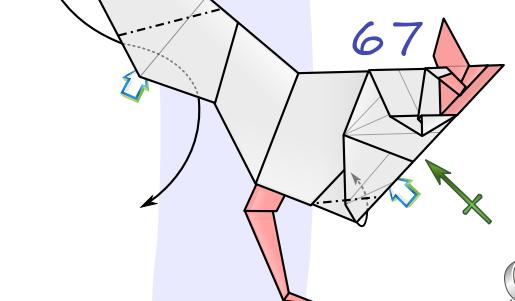
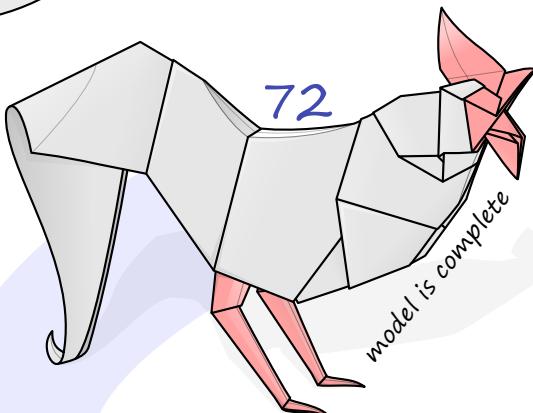
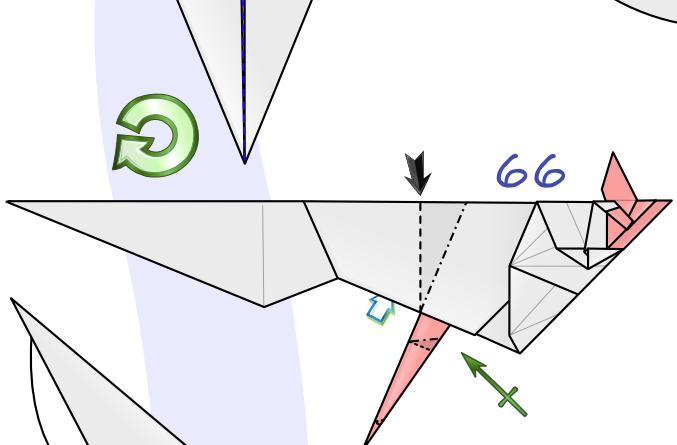
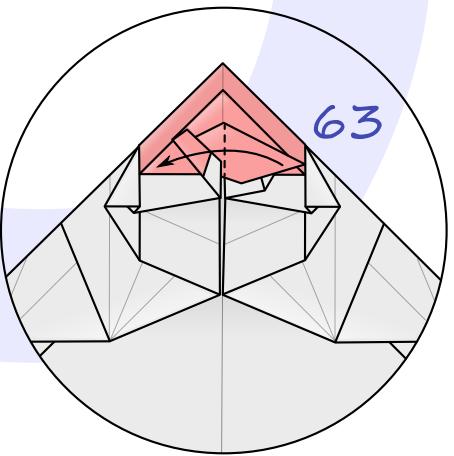
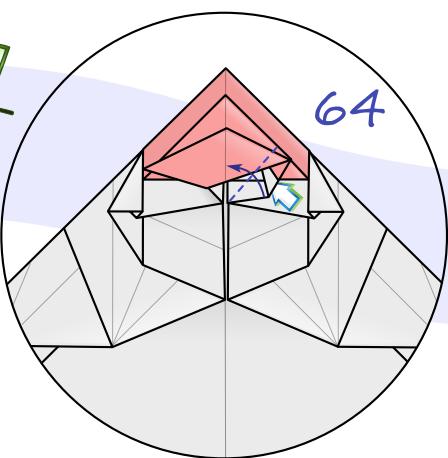
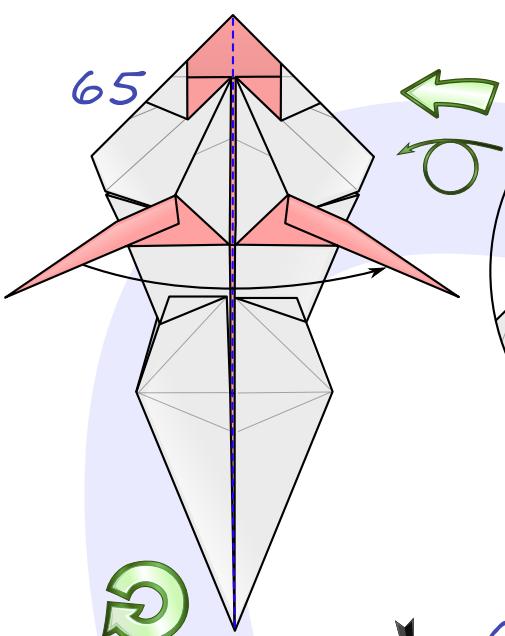
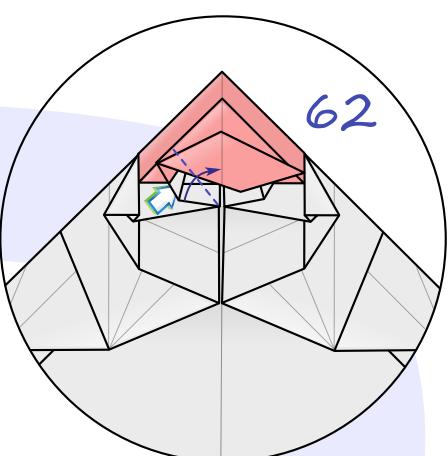
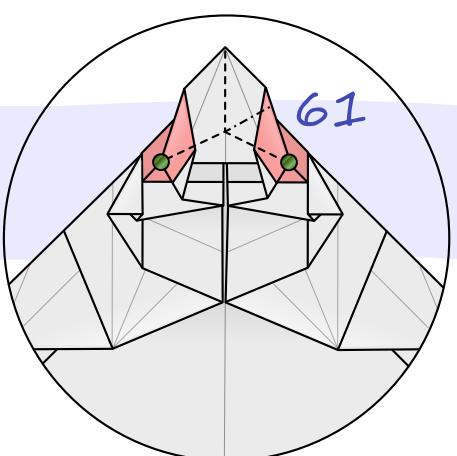
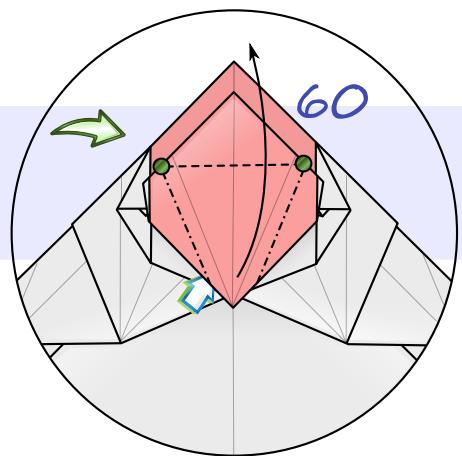
29a

Fig 26





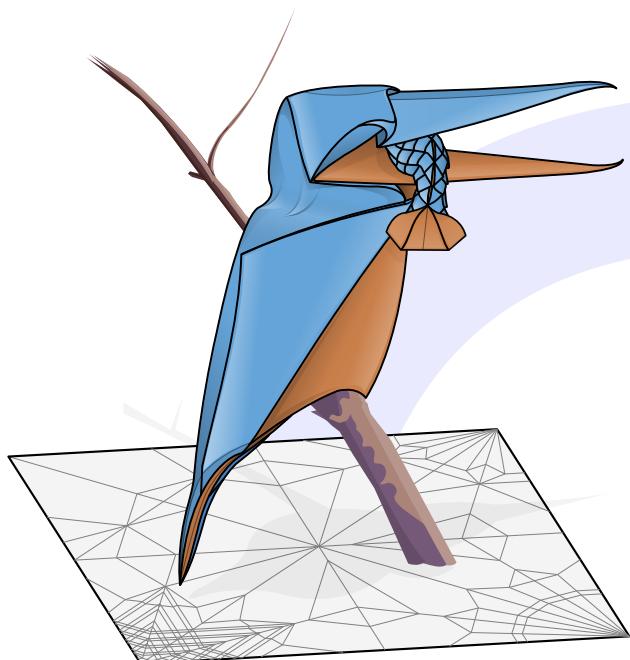




Task №3

Feast of the king

Sebastien Limet (France)



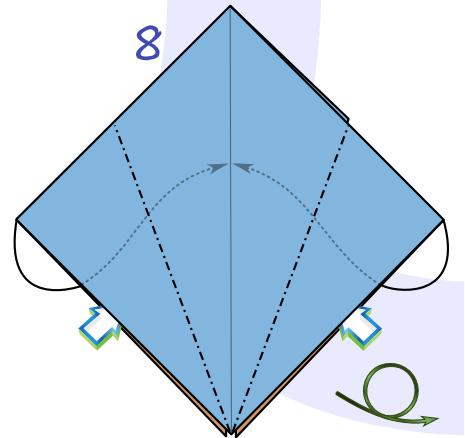
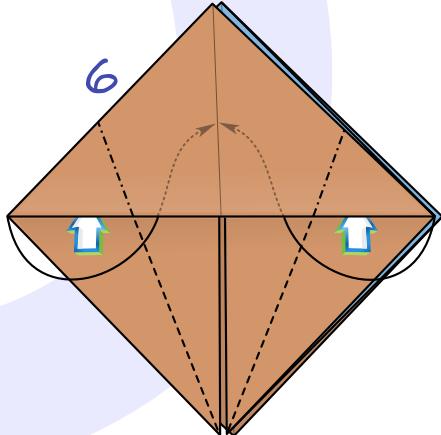
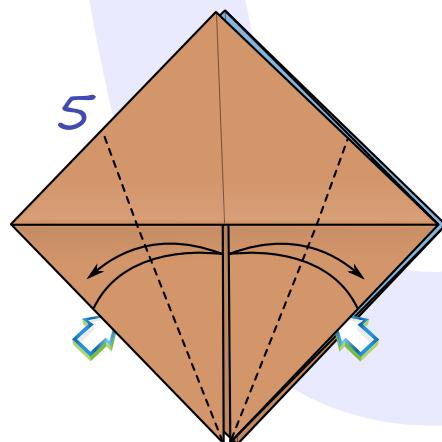
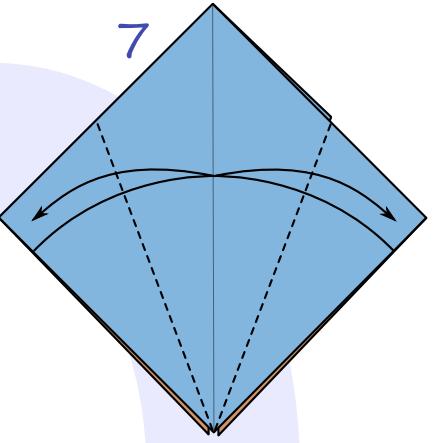
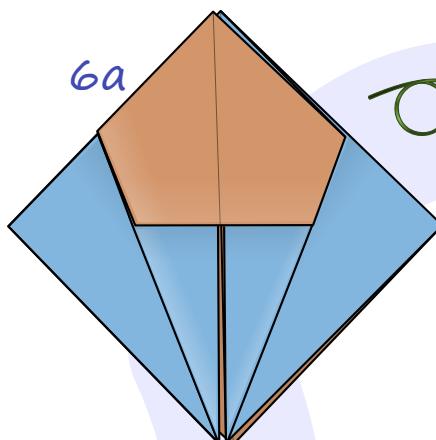
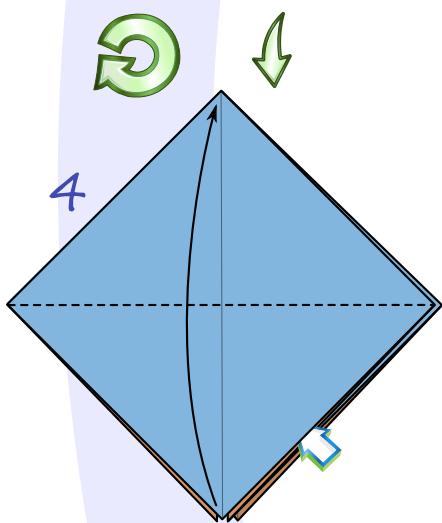
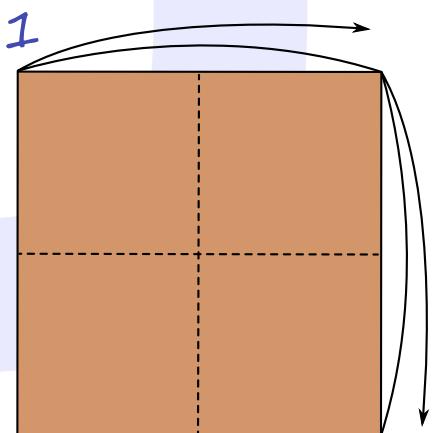
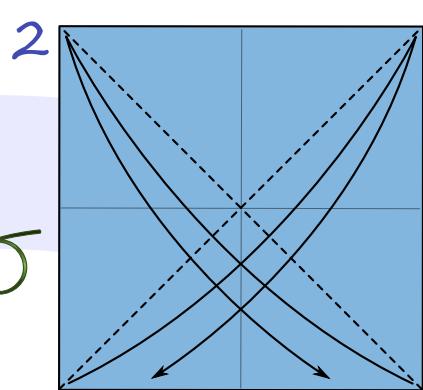
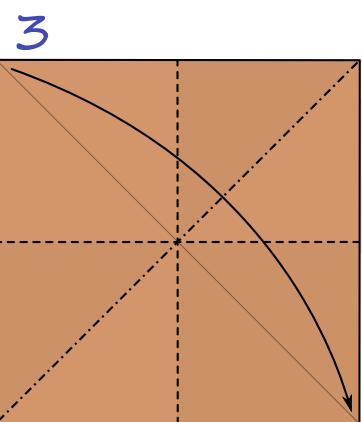
Difficulty: ***** - - -

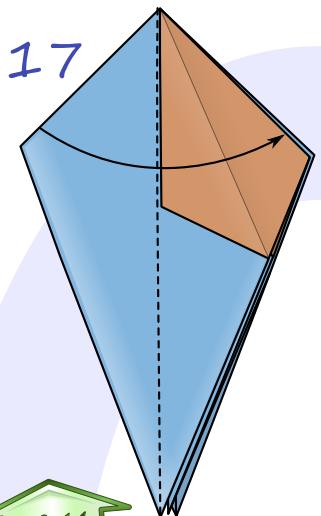
Paper: 40-50 g/M²

Paper size: 40-40 CM

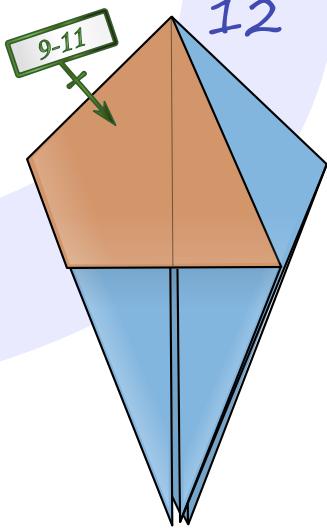
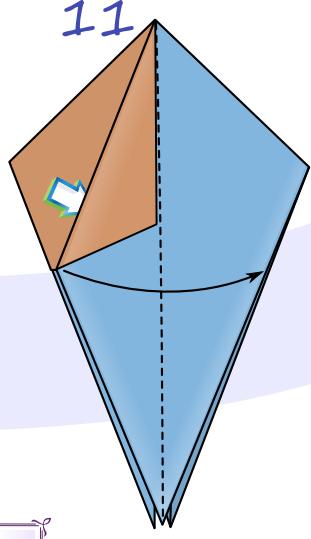
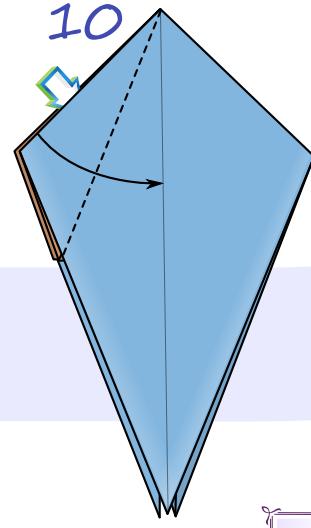
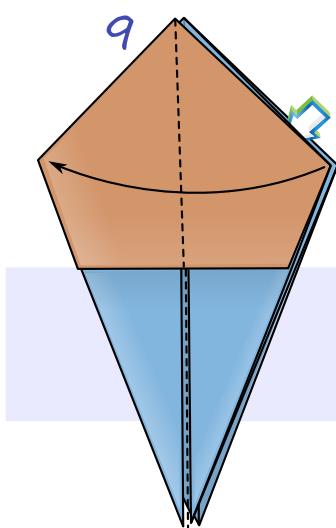
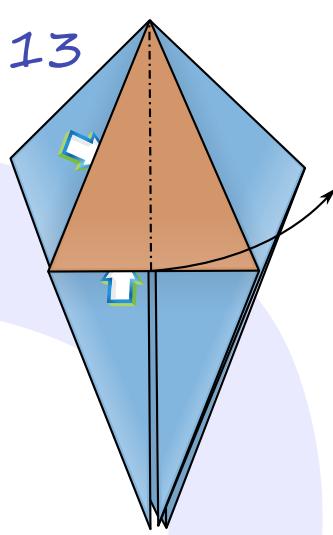
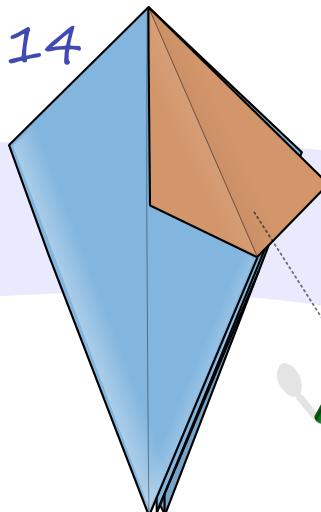
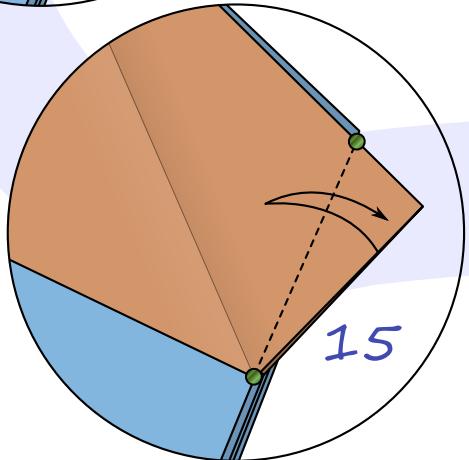
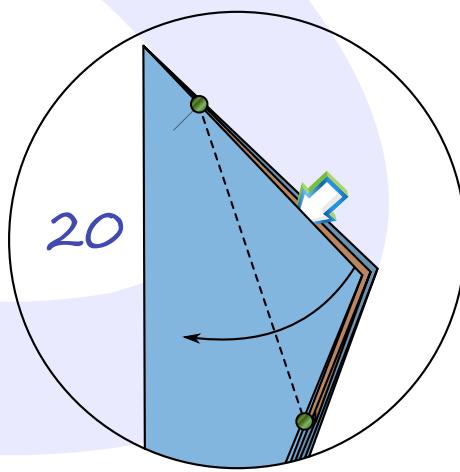
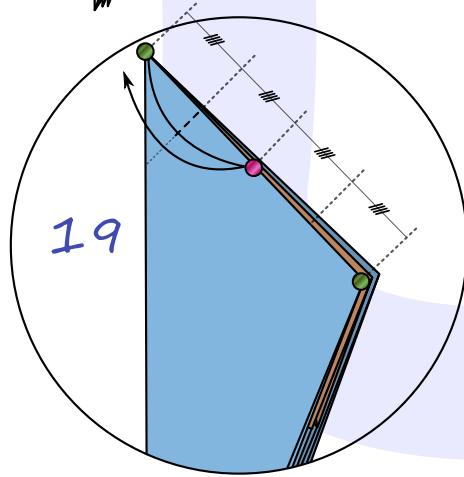
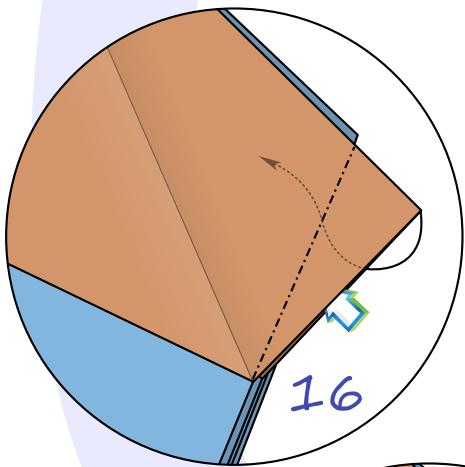
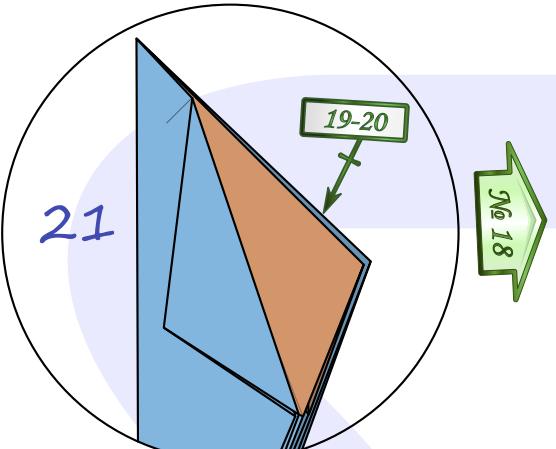
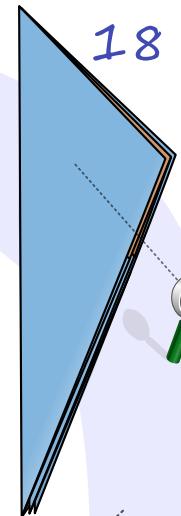
Model width: 18 CM

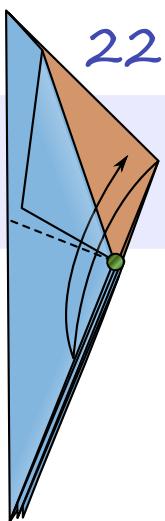
Max score: 7 points



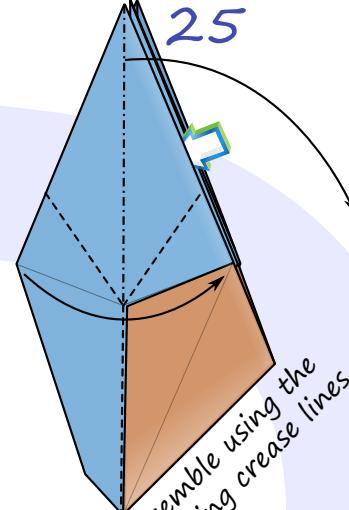
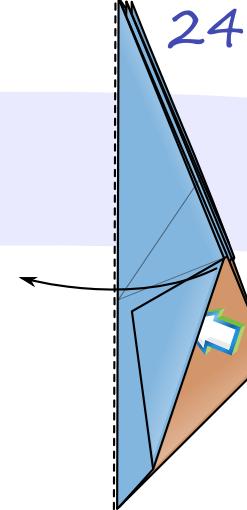
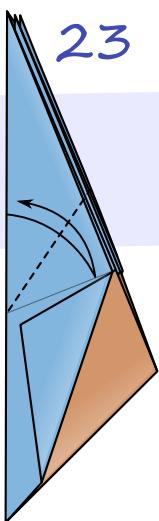


№ 14

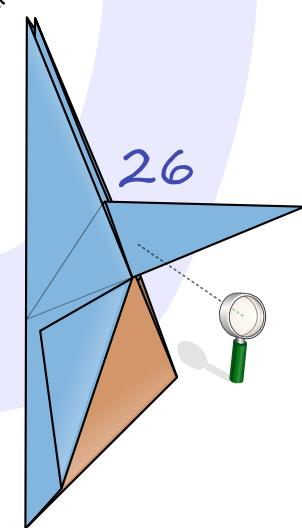
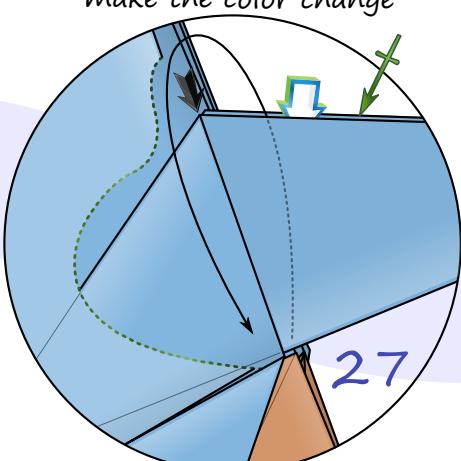
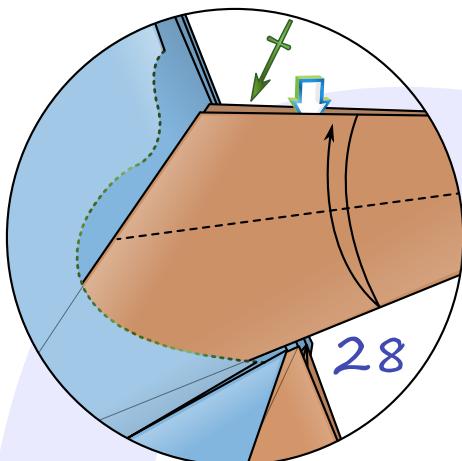




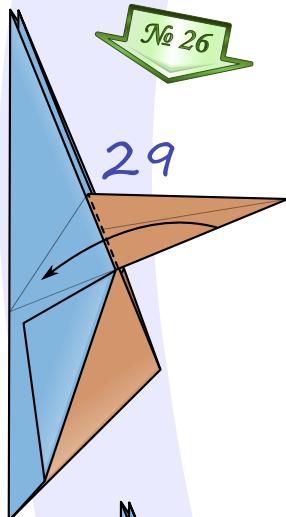
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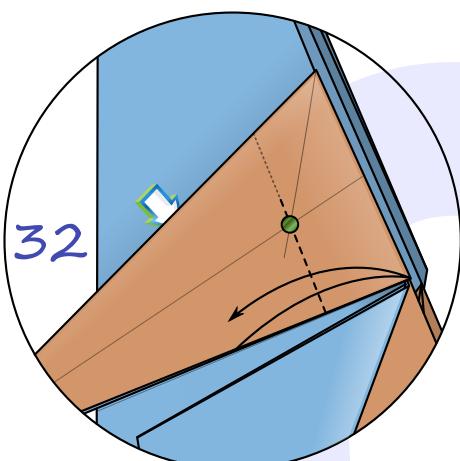
assemble using the
existing crease lines



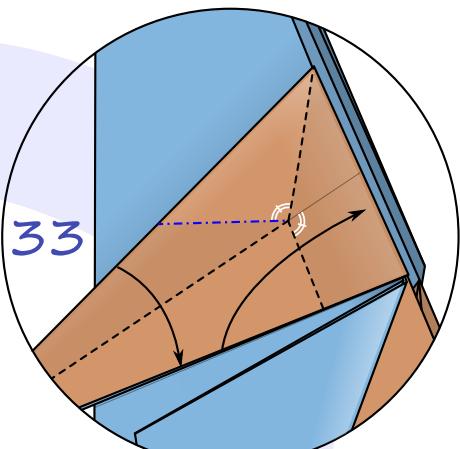
make the color change



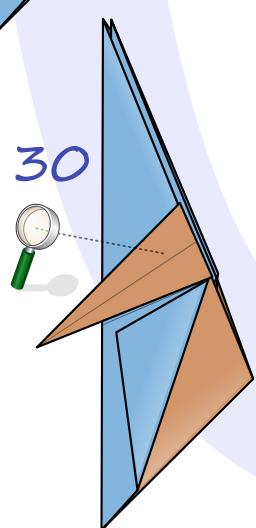
Nº 26



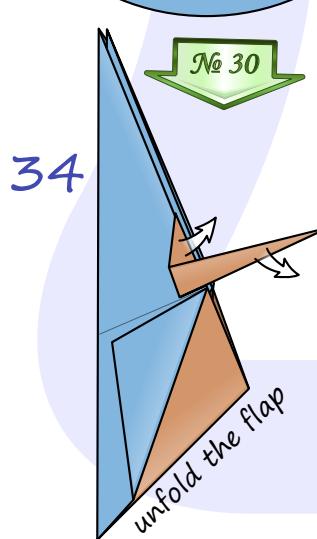
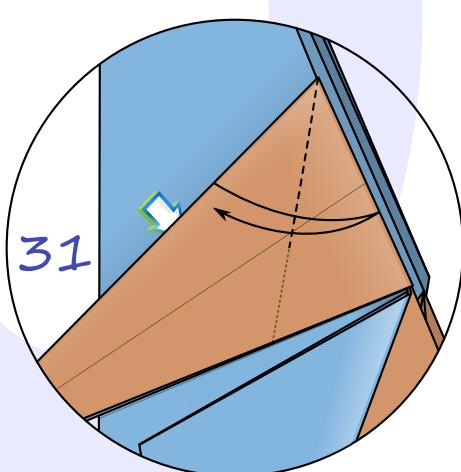
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32

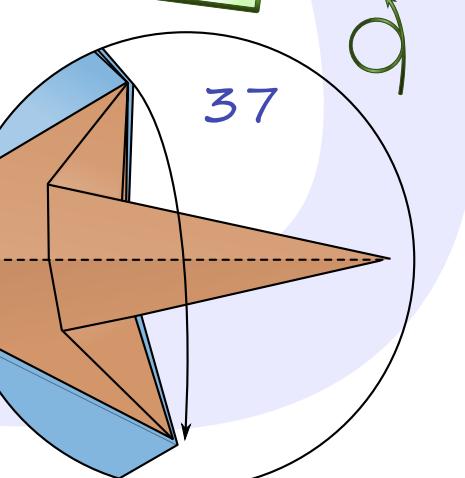
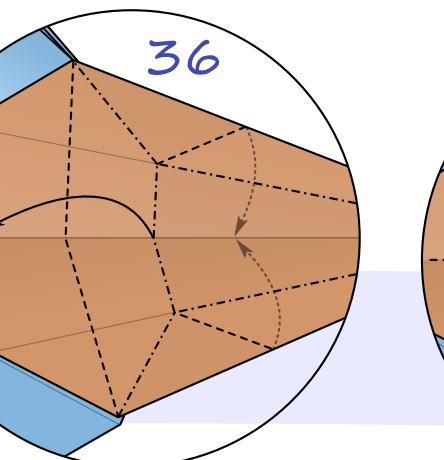
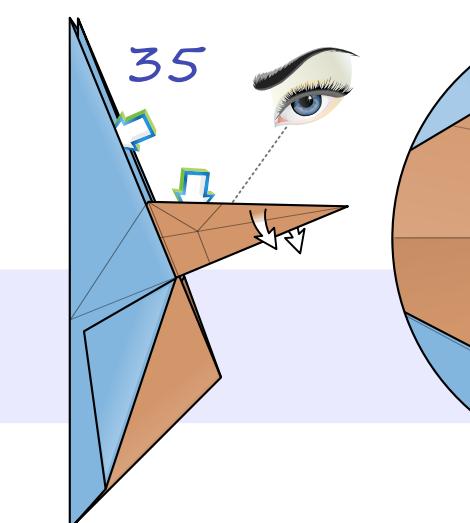
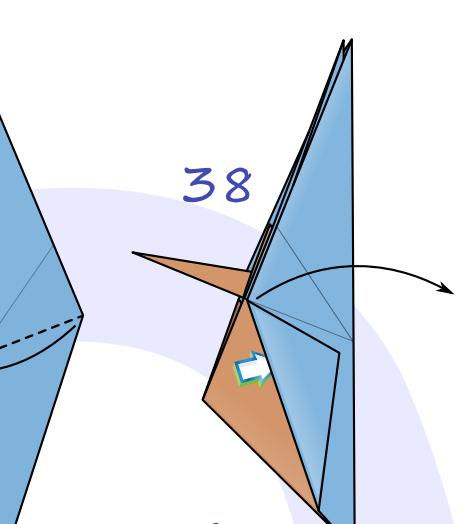
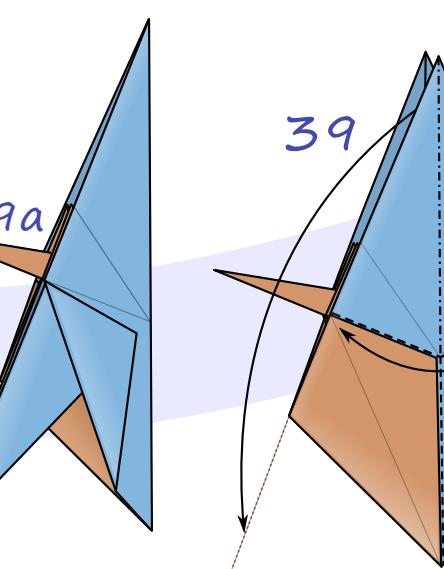
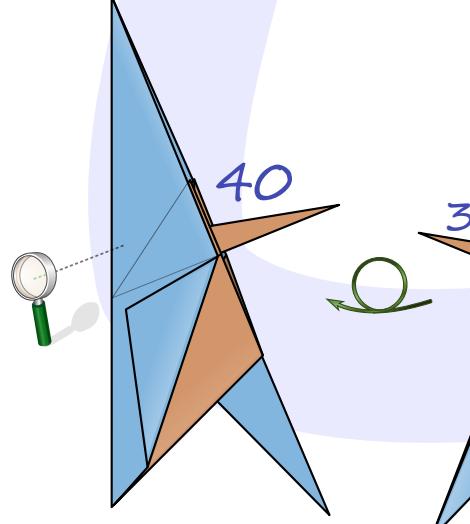
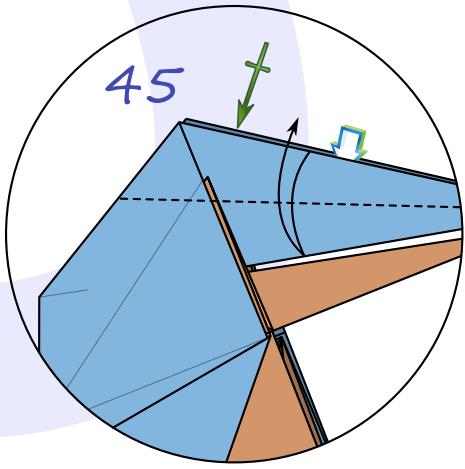
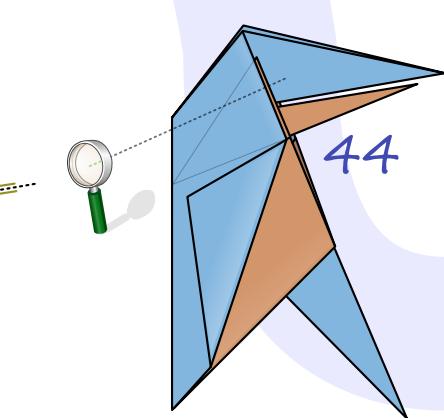
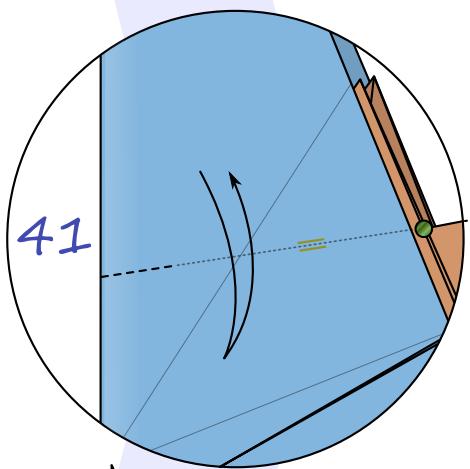
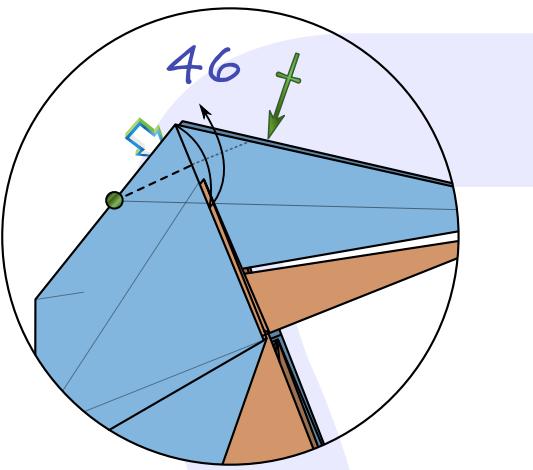
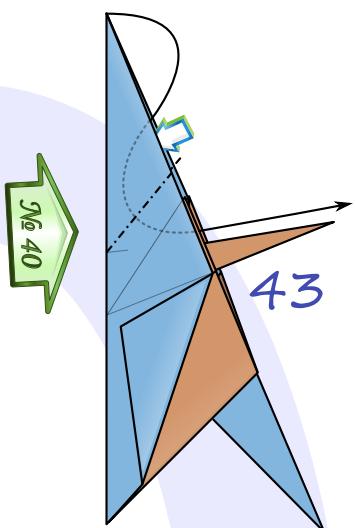
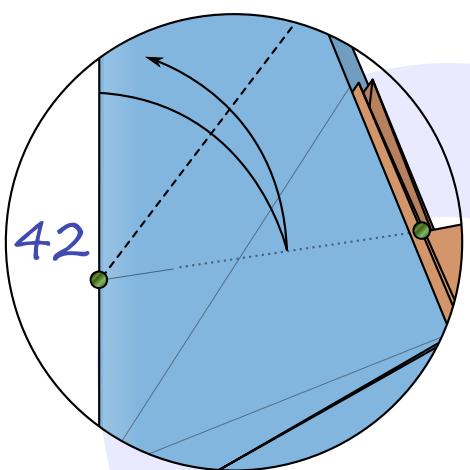


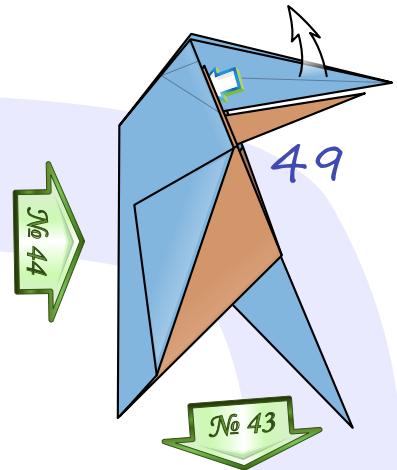
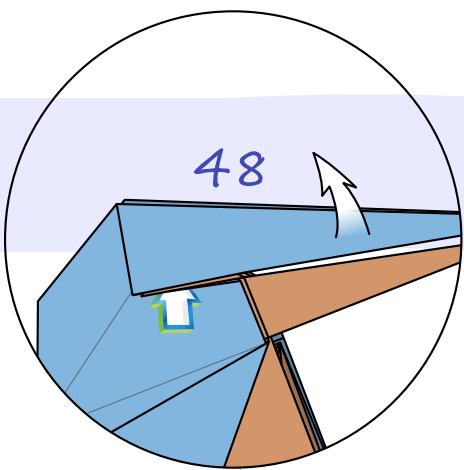
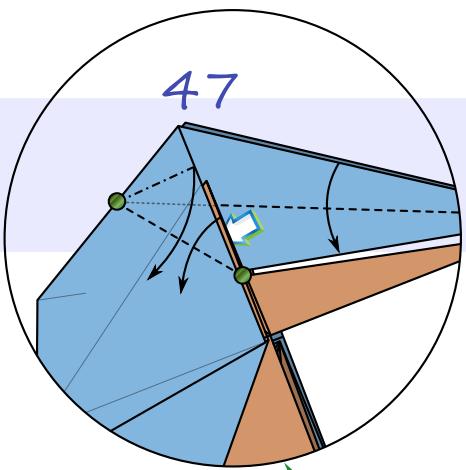
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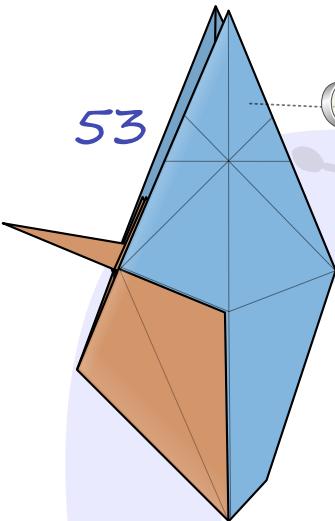
Nº 30

unfold the flap

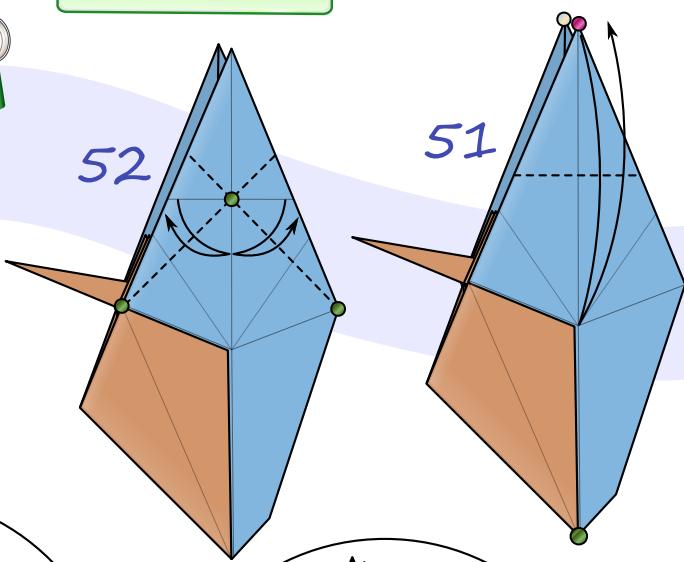




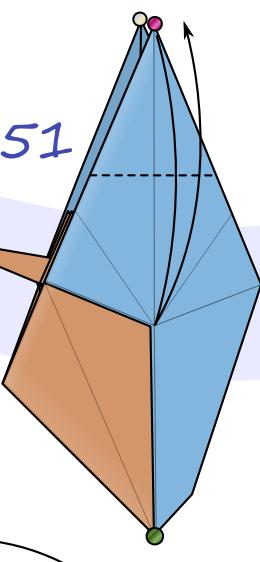
repeat behind



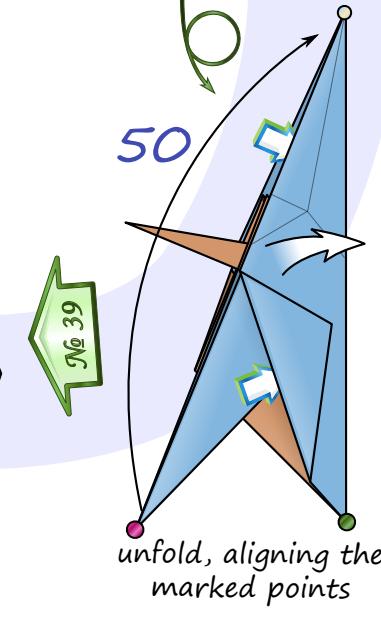
52



51

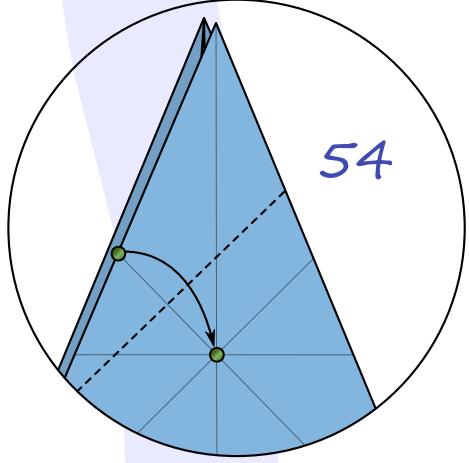


50

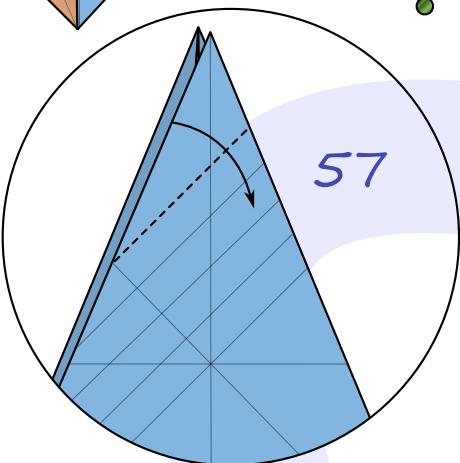


unfold, aligning the
marked points

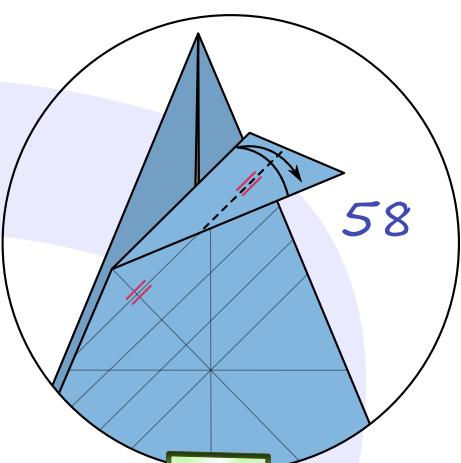
54



57

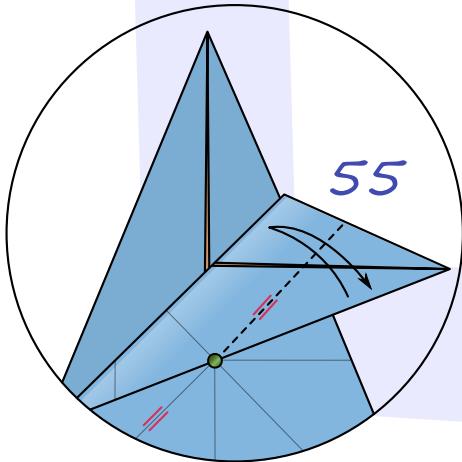


58



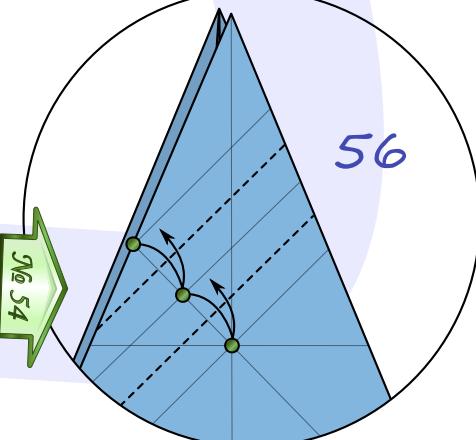
№ 57

55

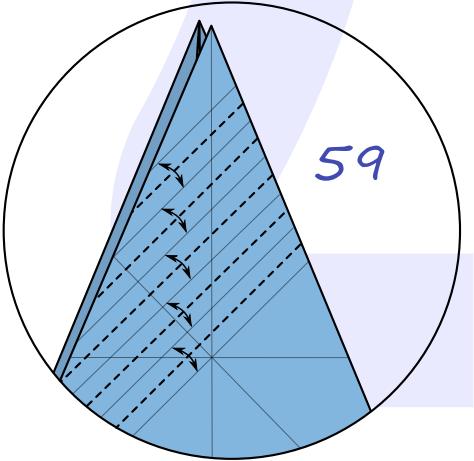


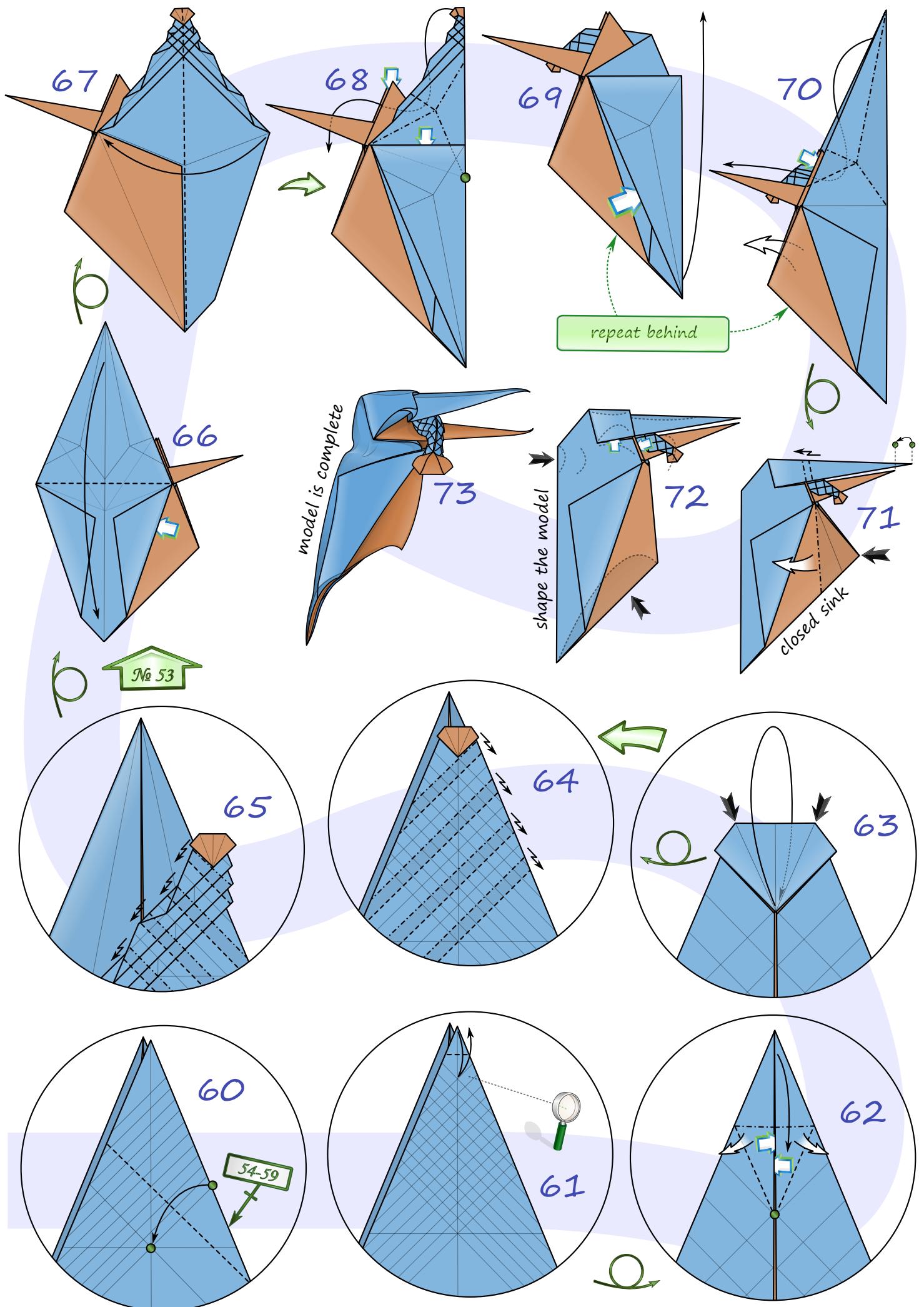
№ 54

56



59





Task №4

In the frame

Andrey Ermakov (Russia)

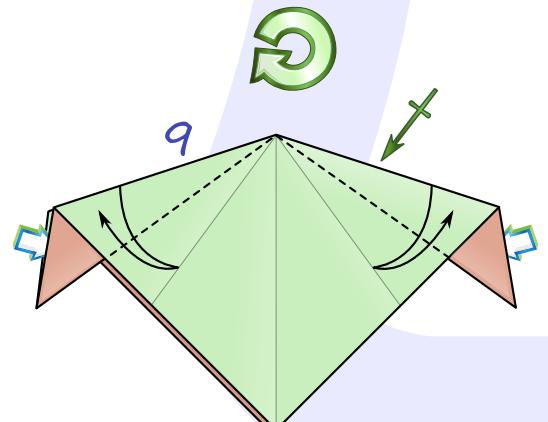
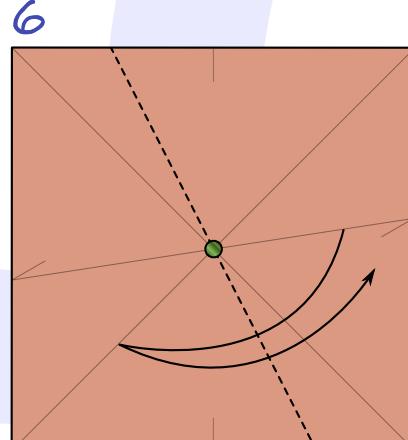
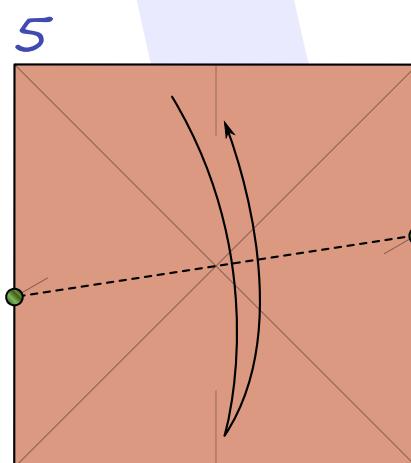
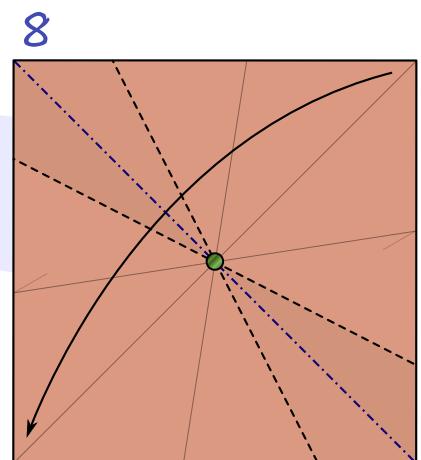
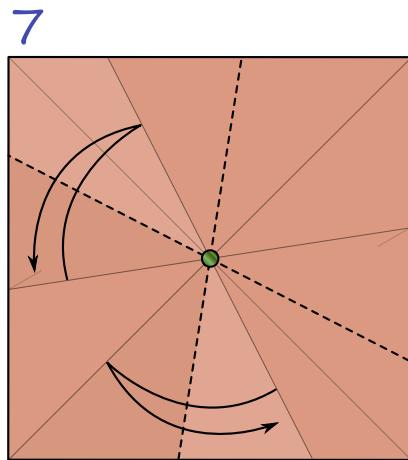
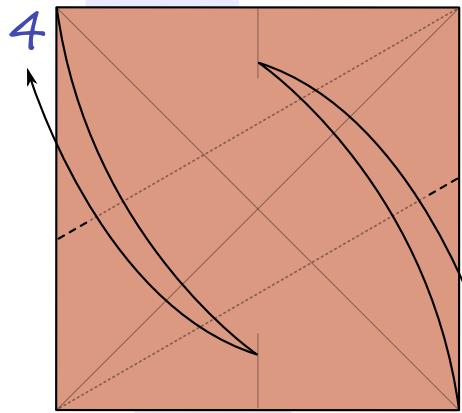
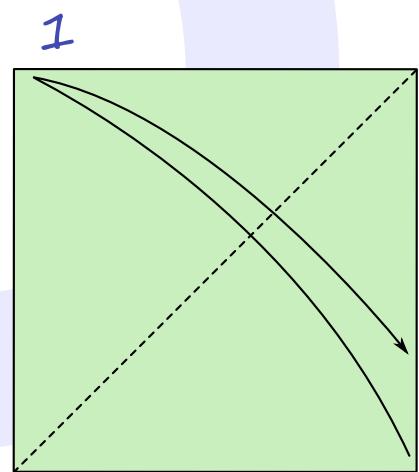
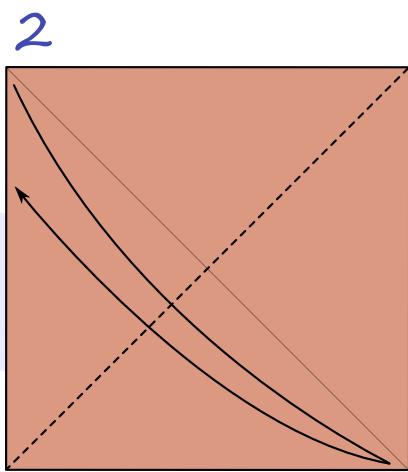
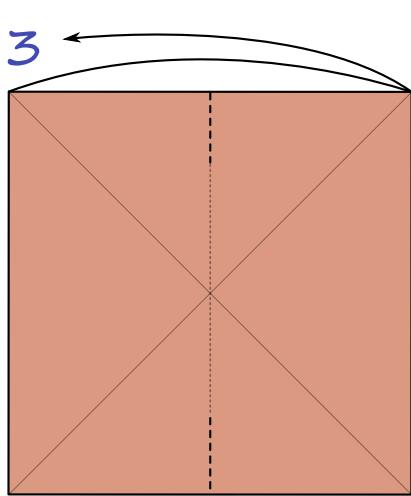
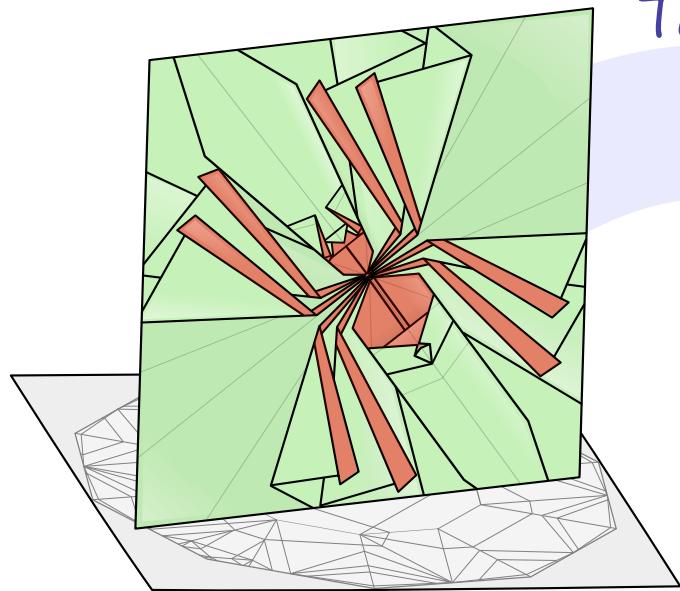
Difficulty: *****-----

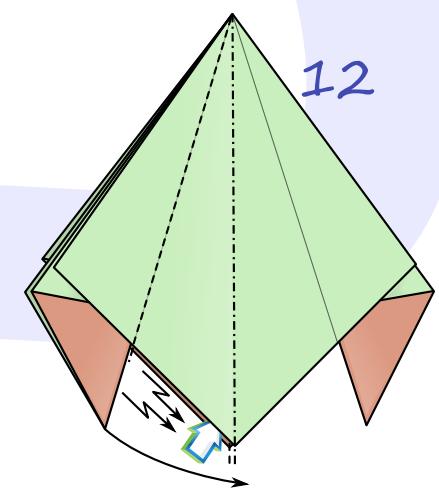
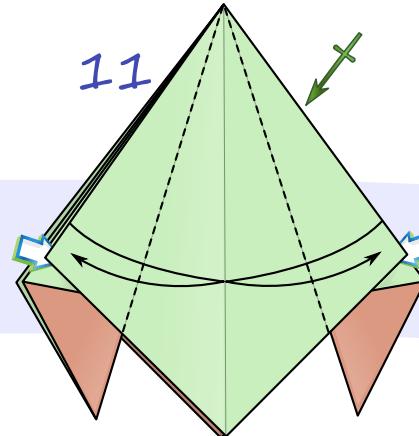
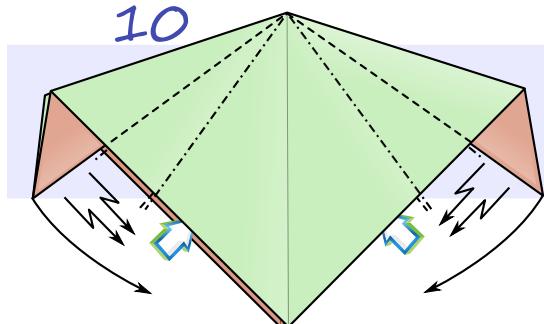
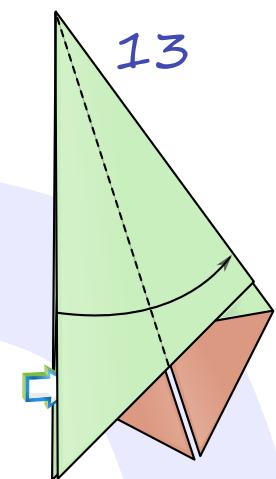
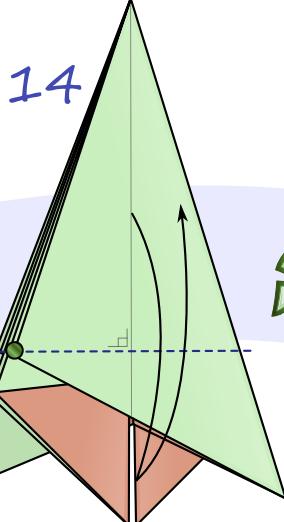
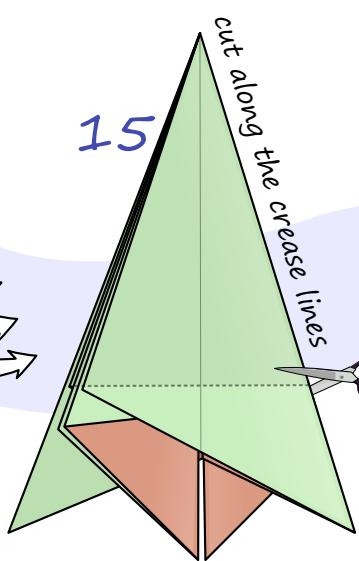
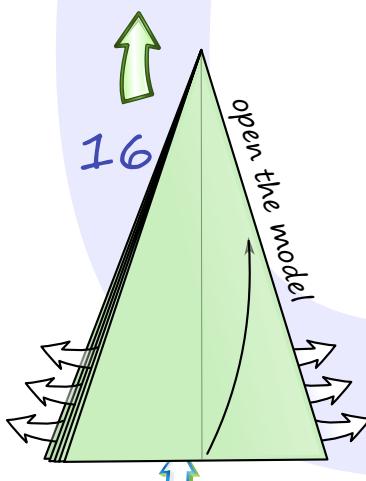
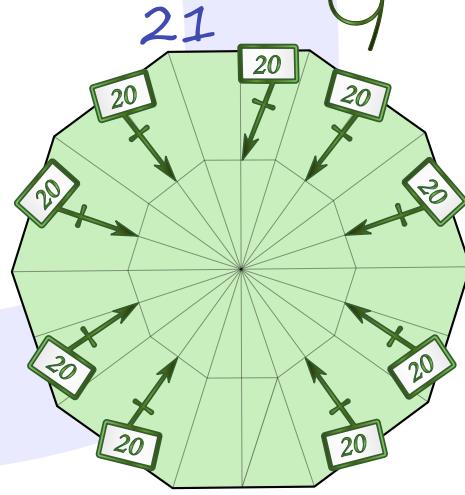
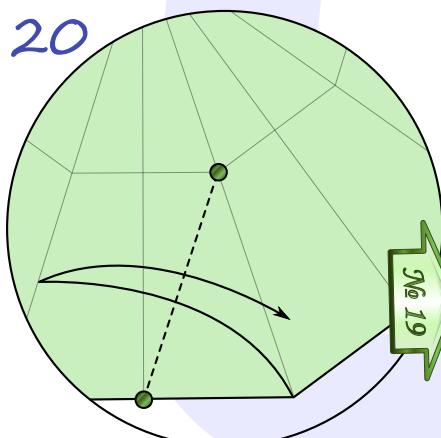
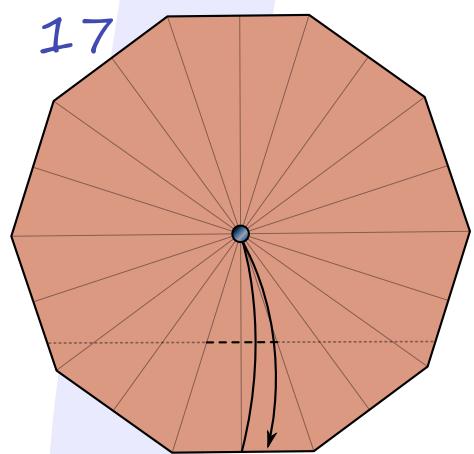
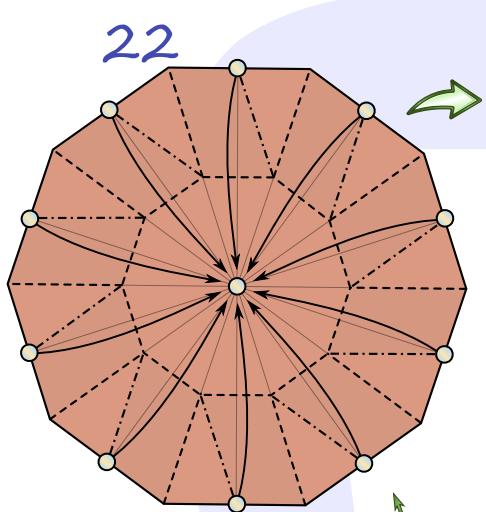
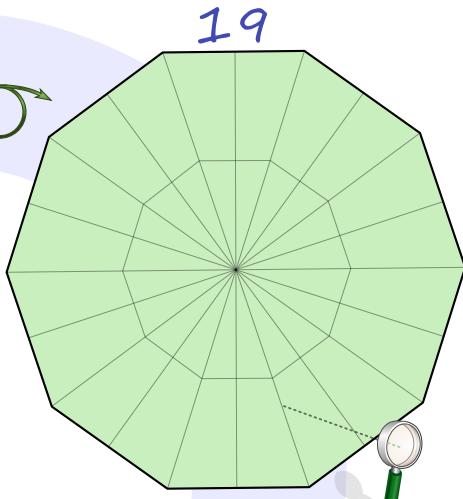
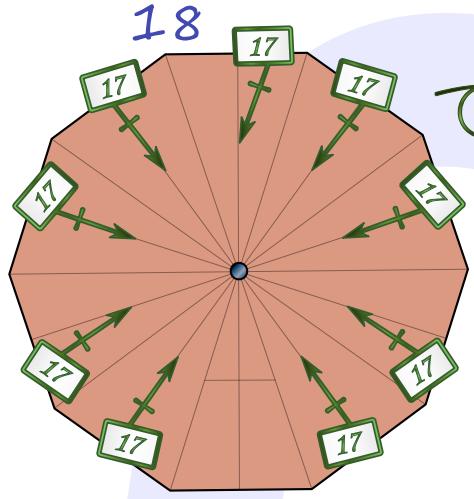
Paper: 40-50 g/m²

Paper size: 50-50 cm

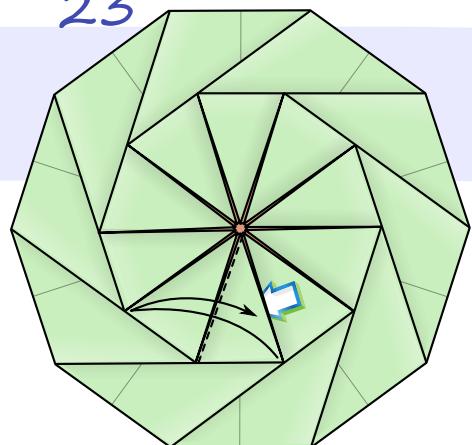
Dimension: 15cm

Max score: 9 points

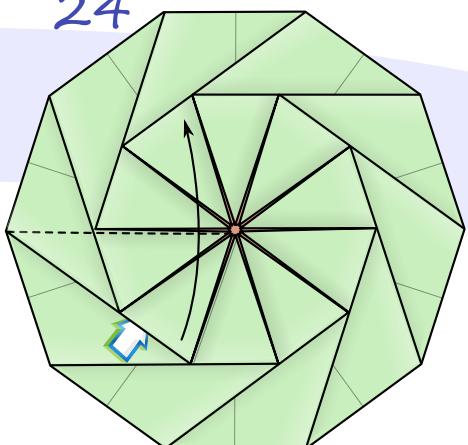




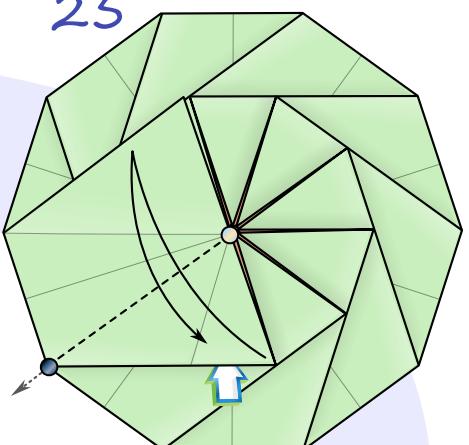
23



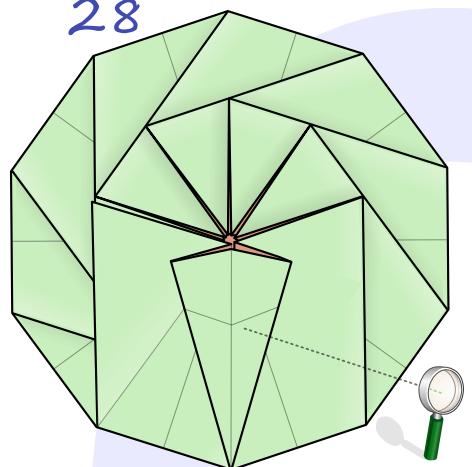
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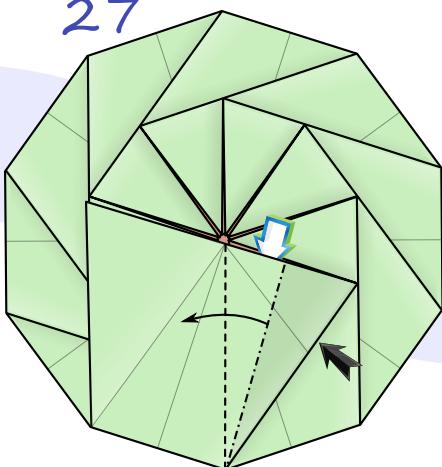
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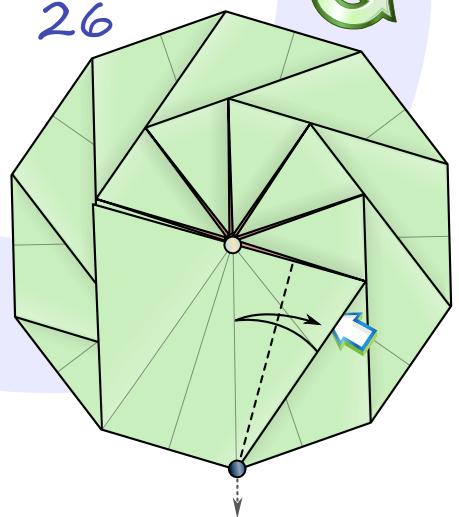
28



27

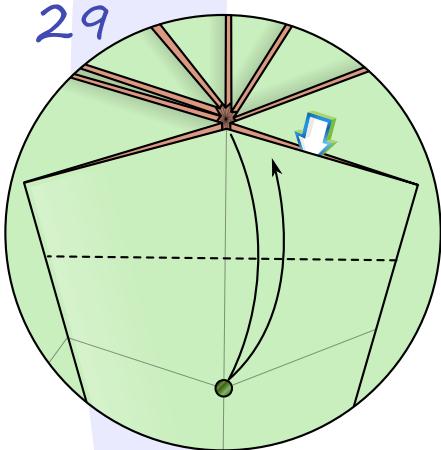


26

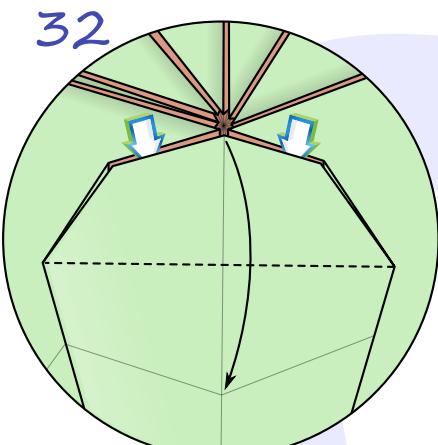


G

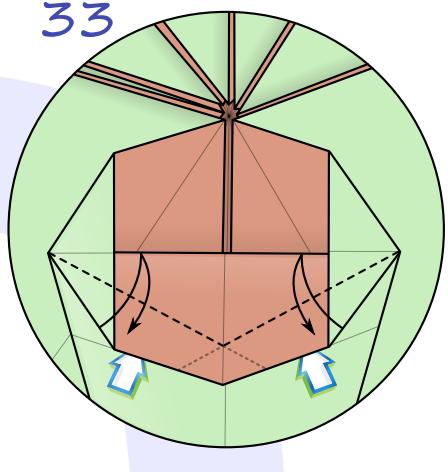
29



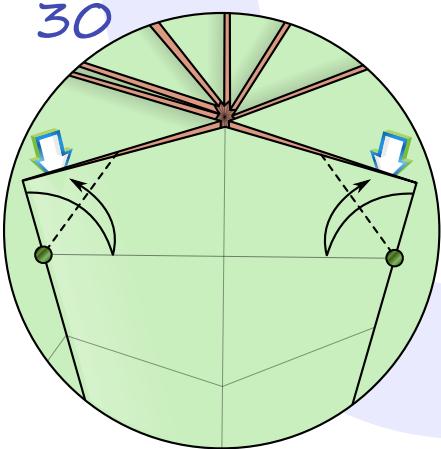
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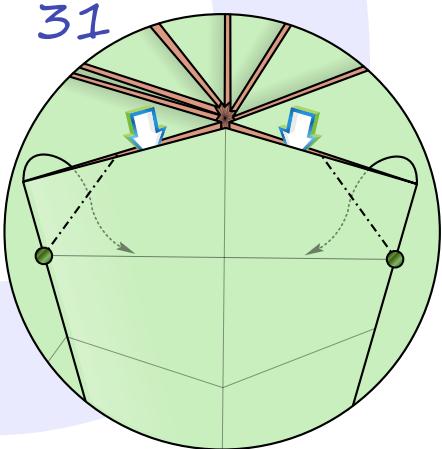
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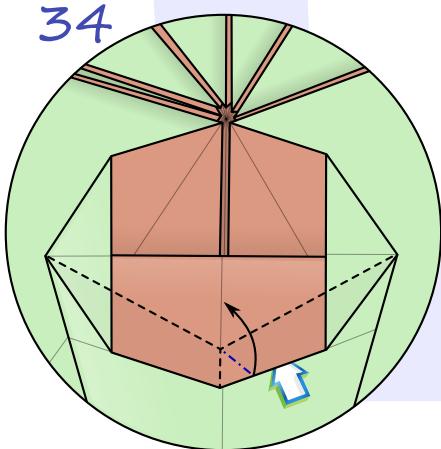
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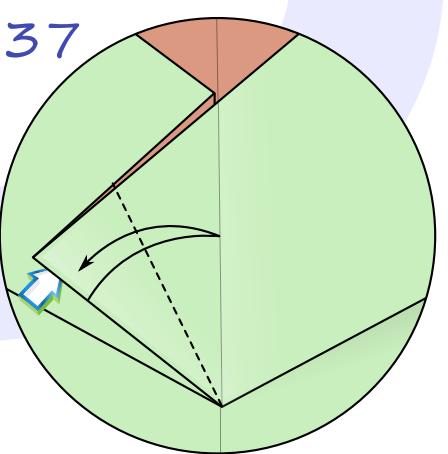
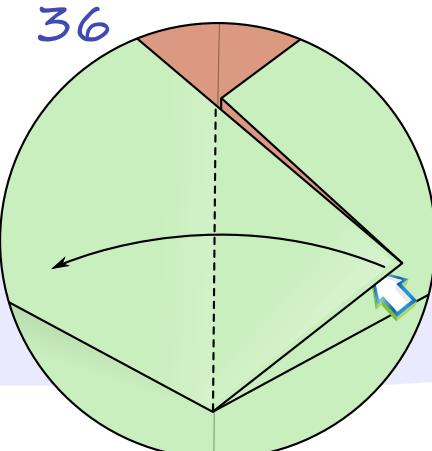
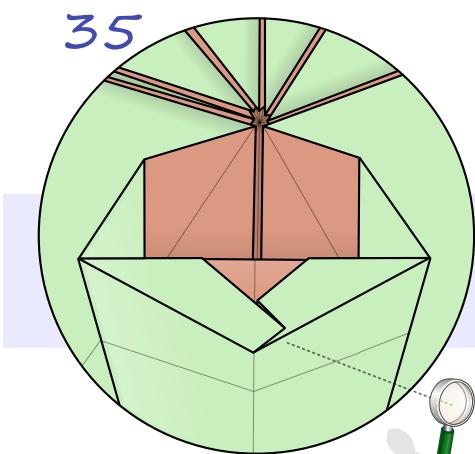
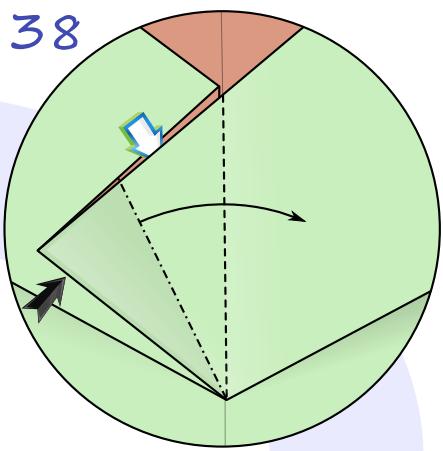
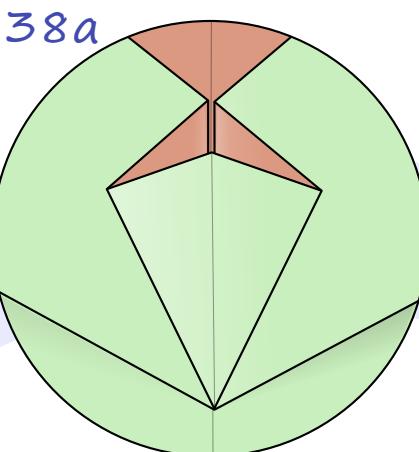
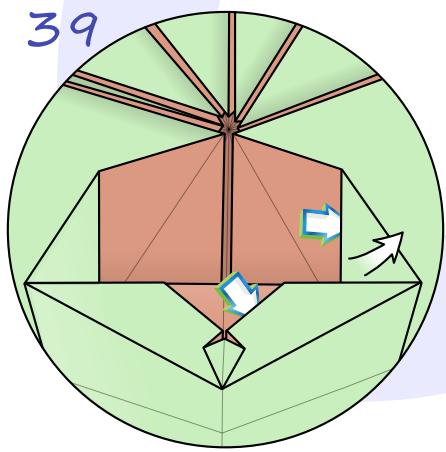
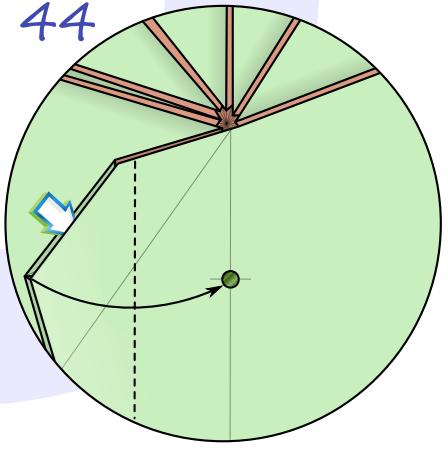
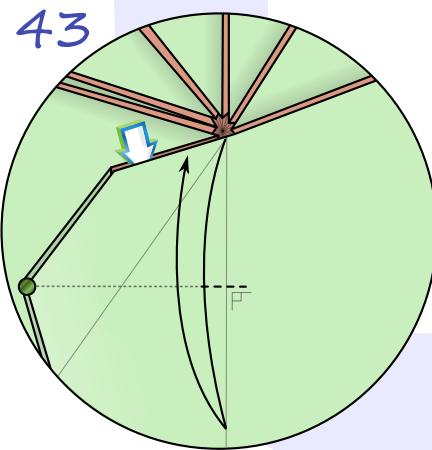
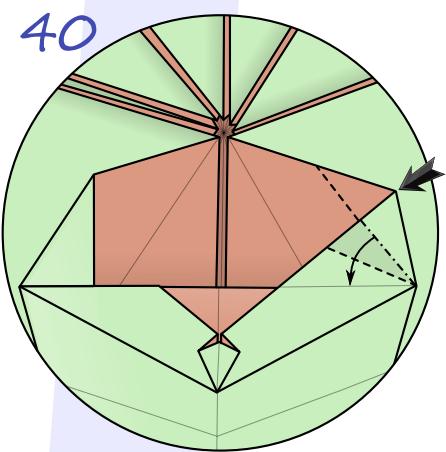
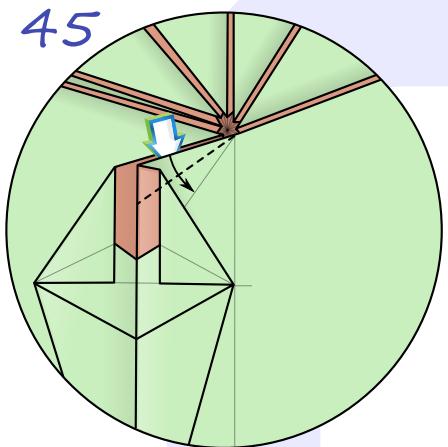
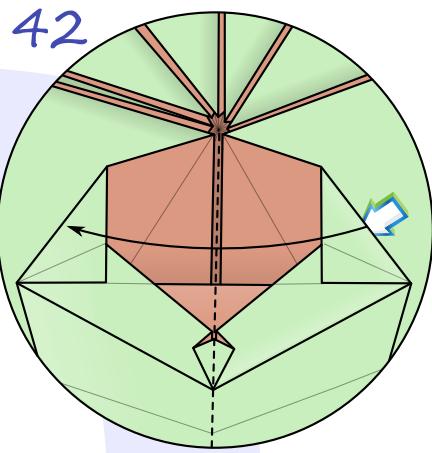
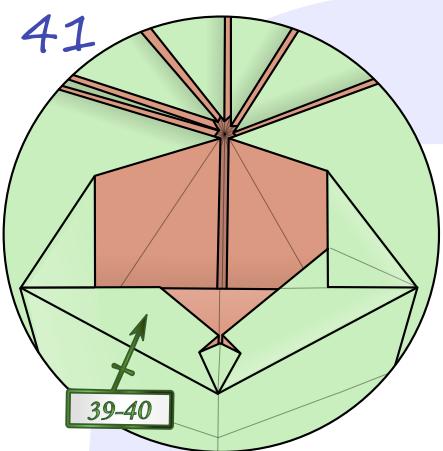


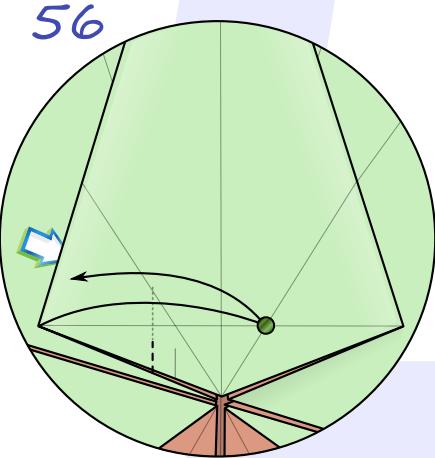
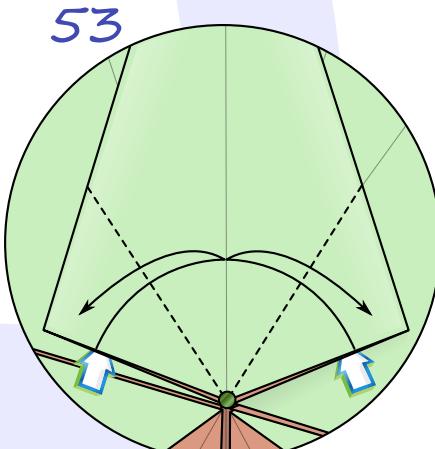
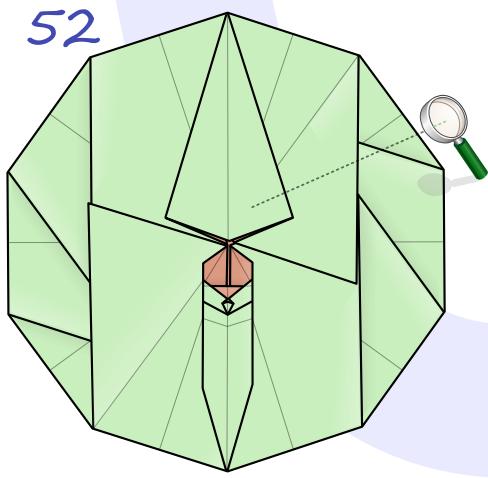
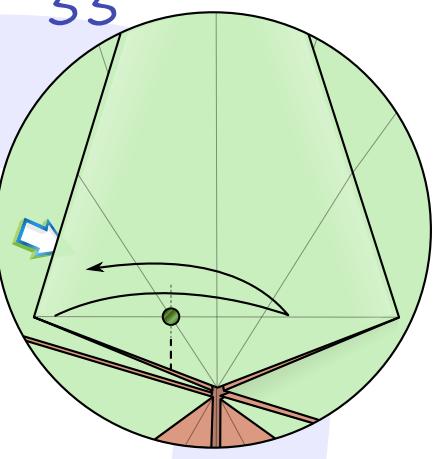
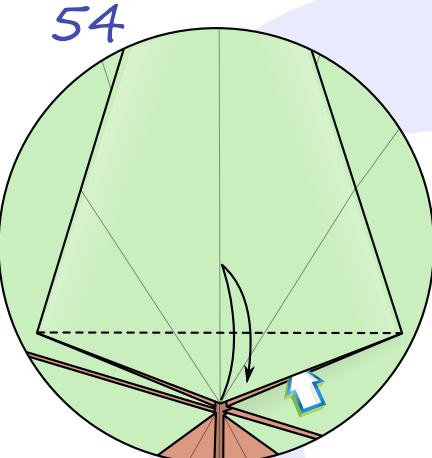
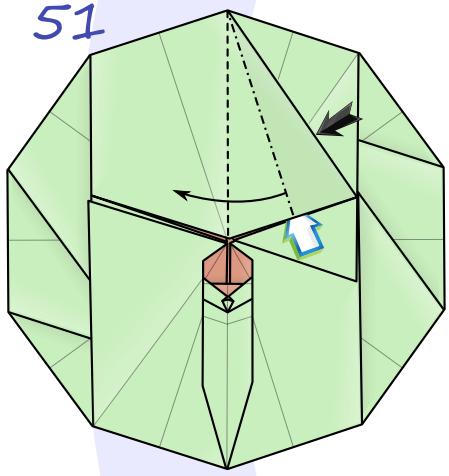
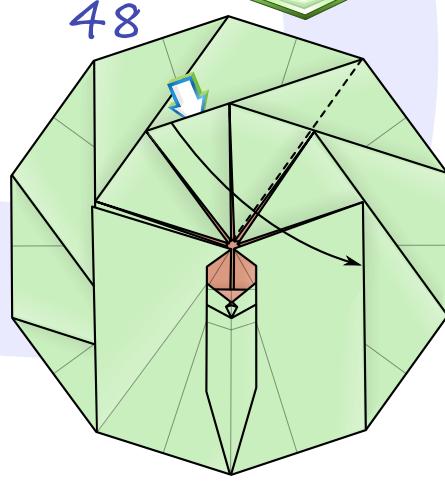
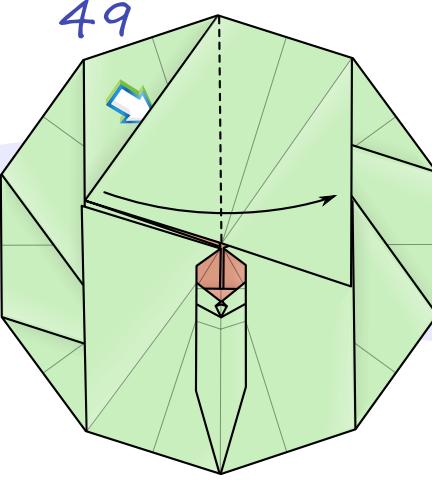
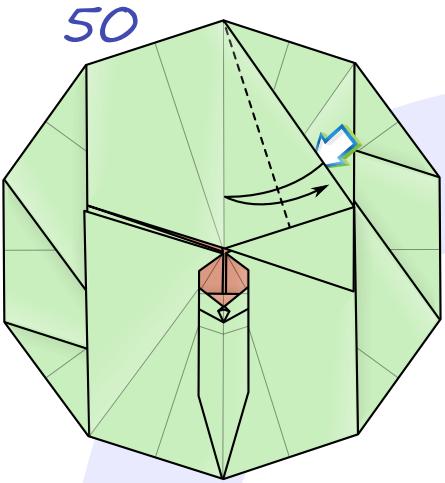
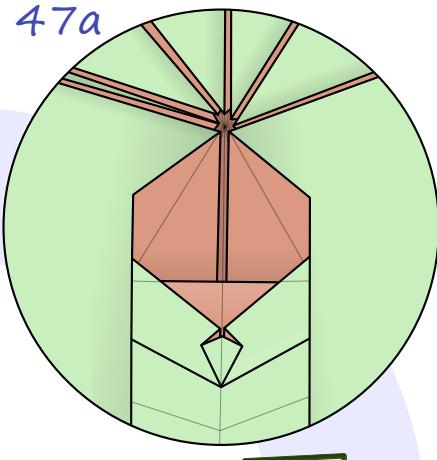
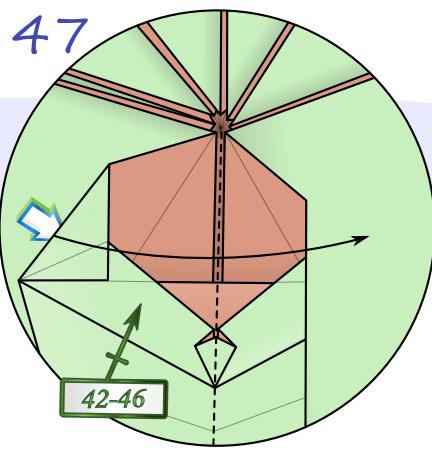
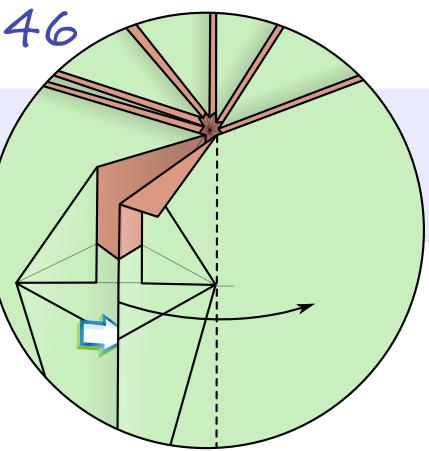
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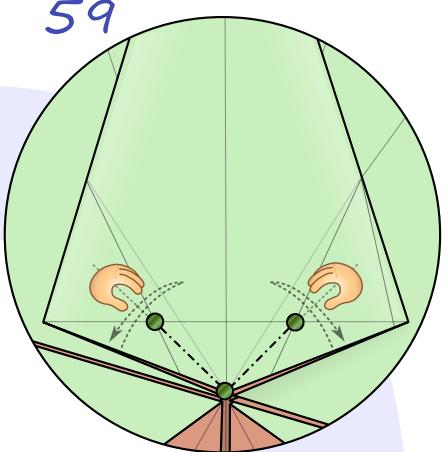
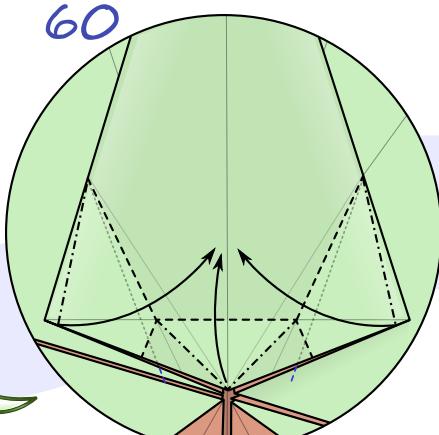
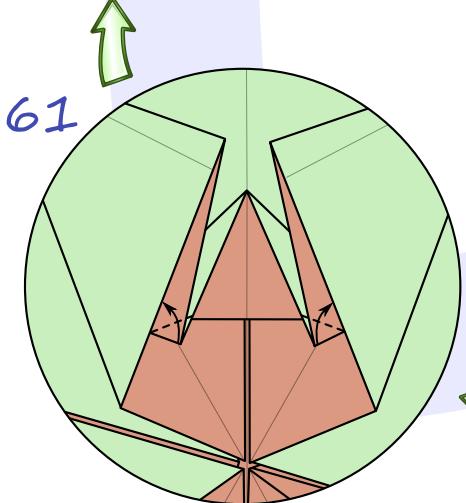
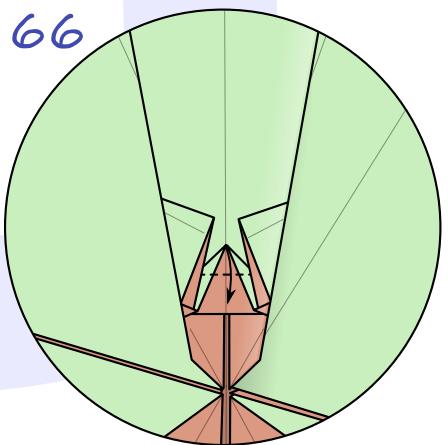
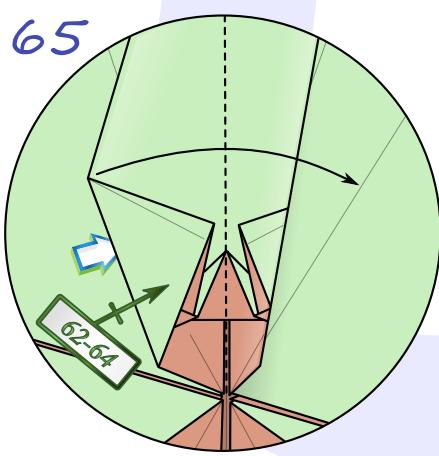
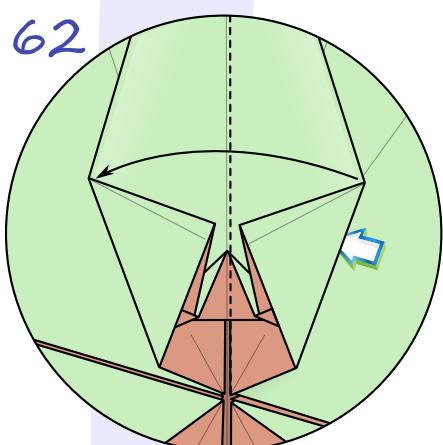
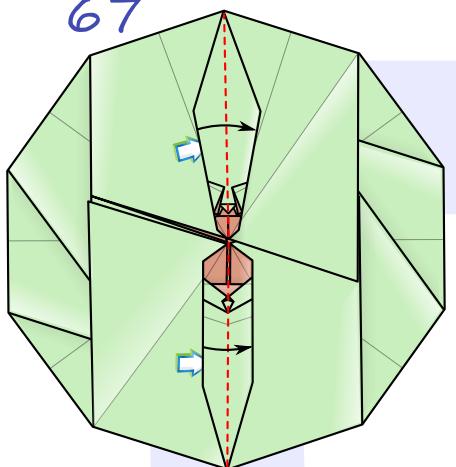
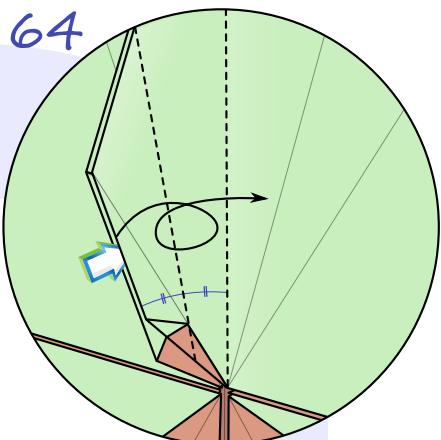
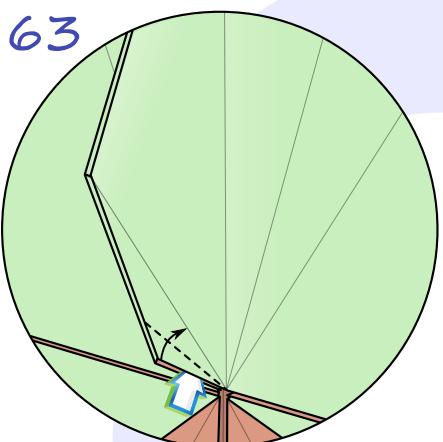


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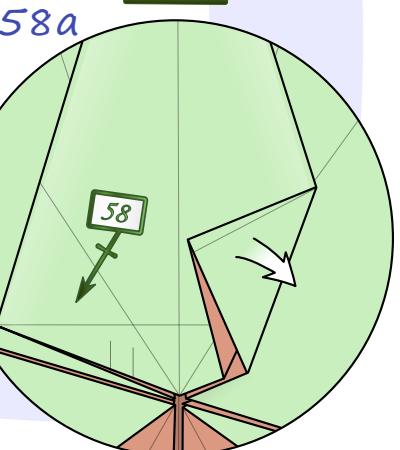
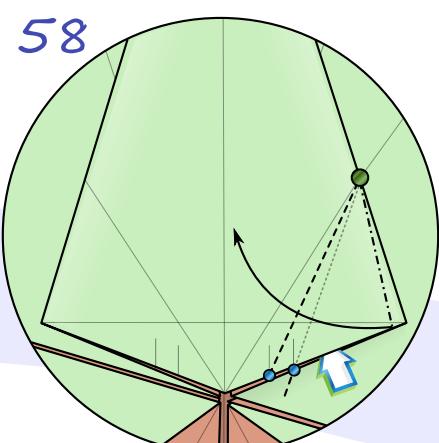
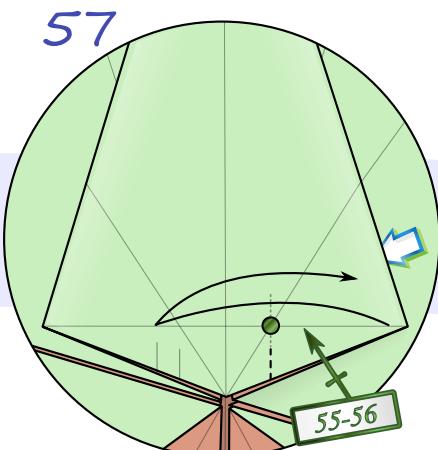


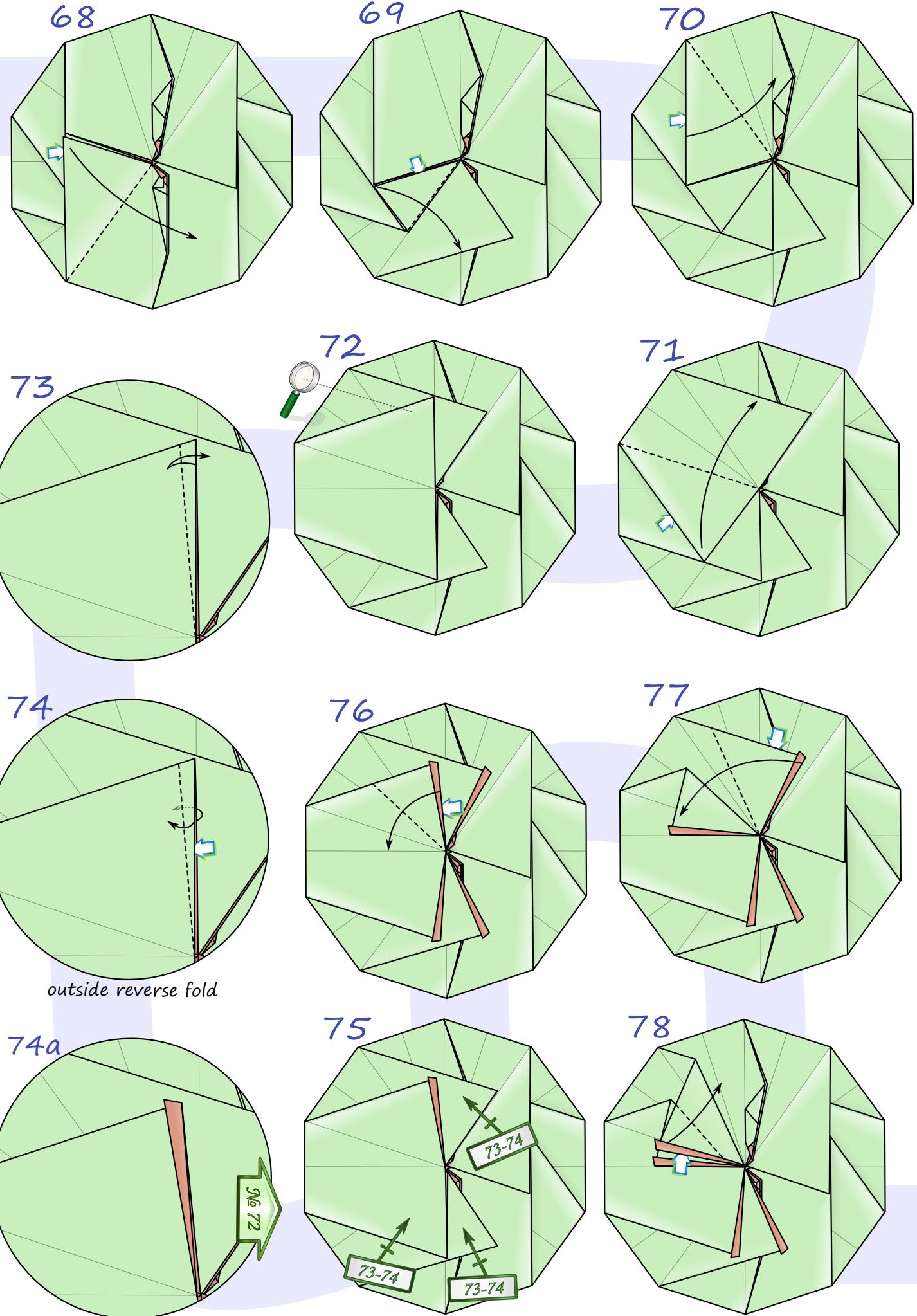


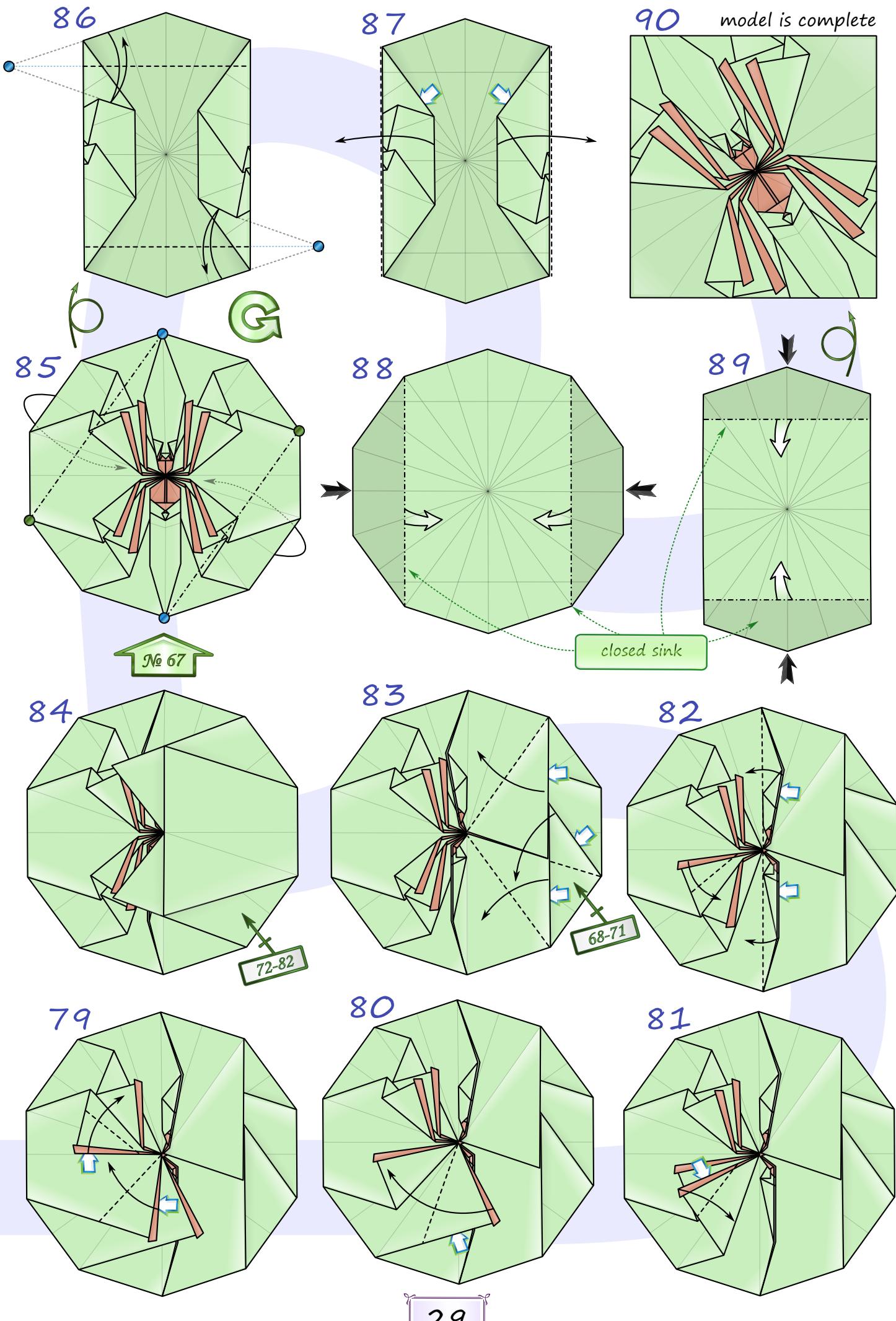




assemble using the
existing crease lines







Task №5

Gorilla

Juston Hairgrove (USA)

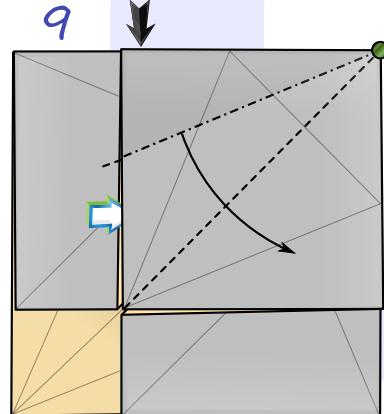
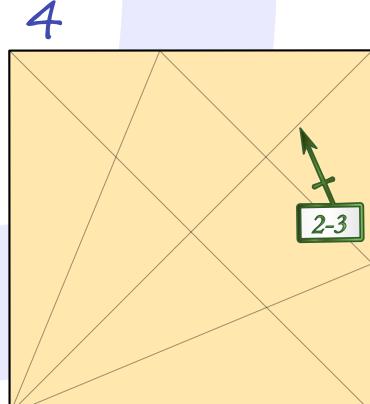
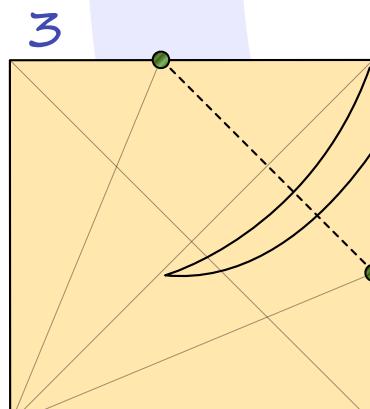
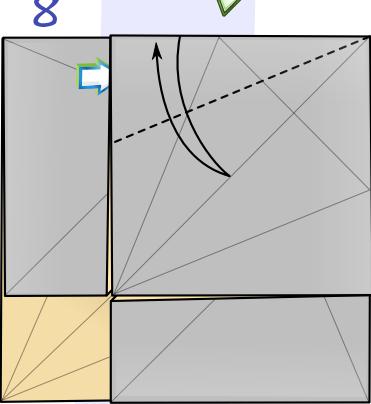
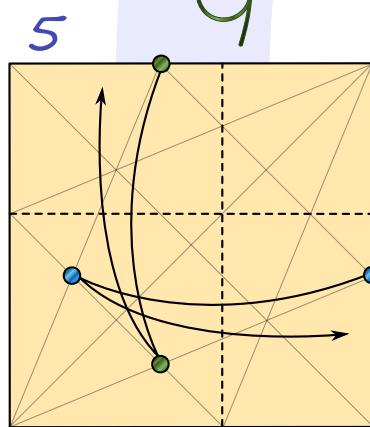
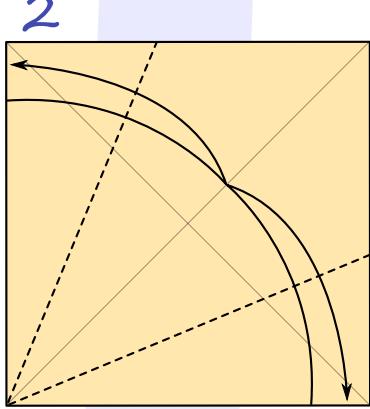
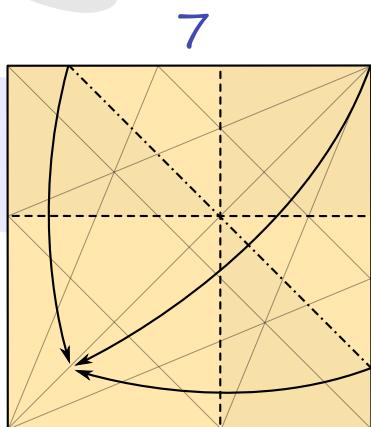
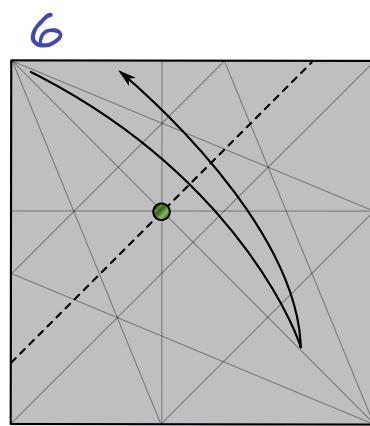
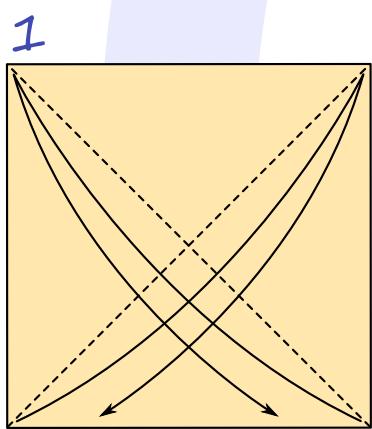
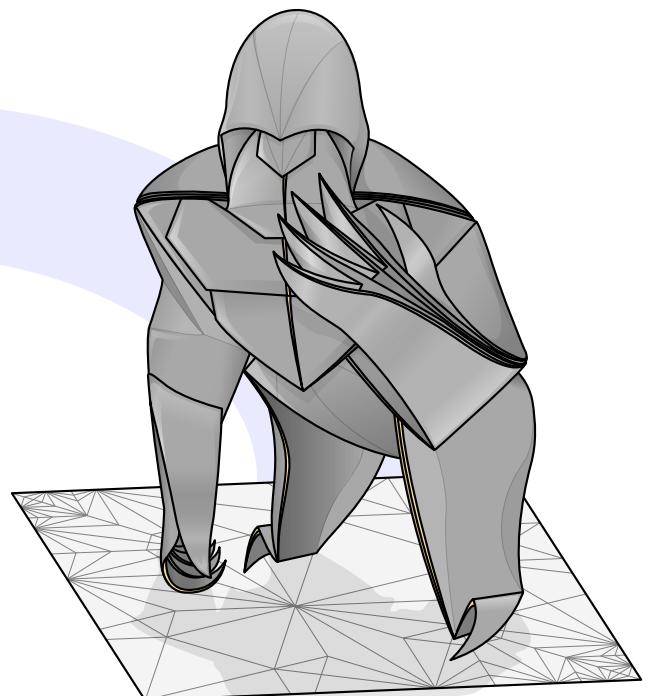
Difficulty: ***** - - -

Paper: 40-50 g/m²

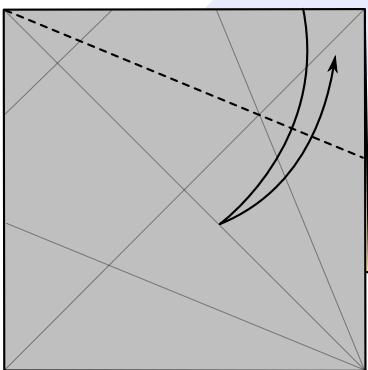
Paper size: 45-45 cm

Model height: 15 cm

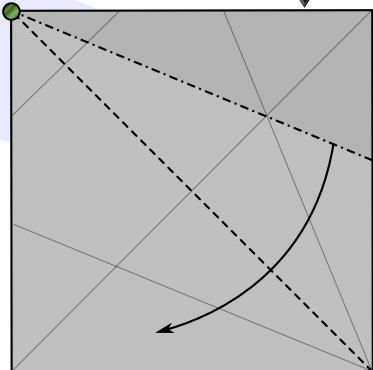
Max score: 11 points



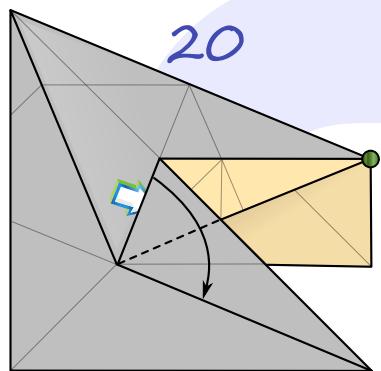
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17

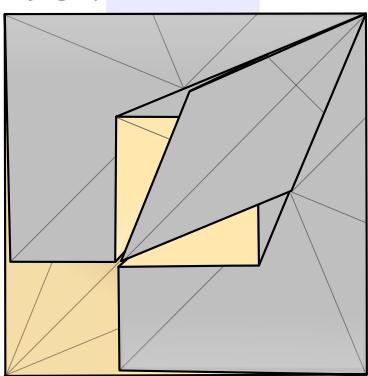


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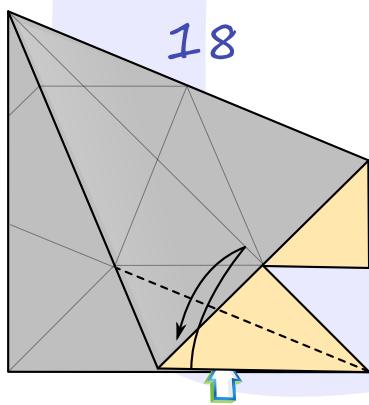


15a

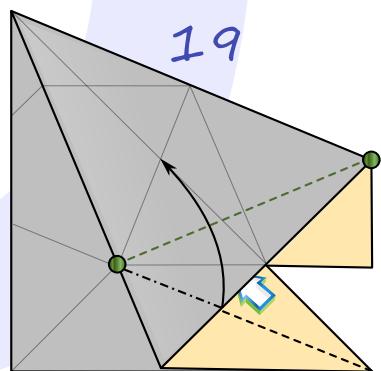
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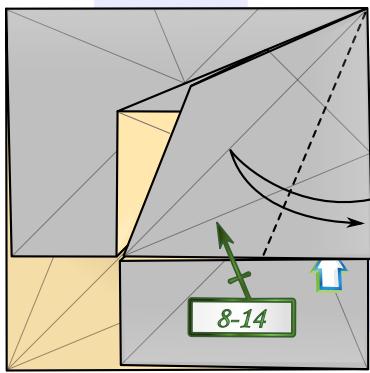
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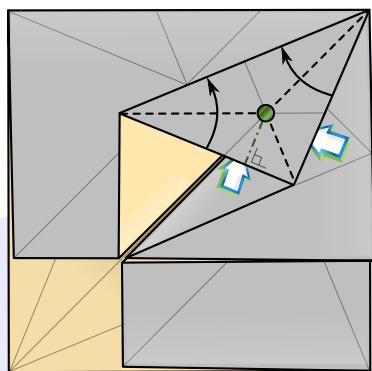
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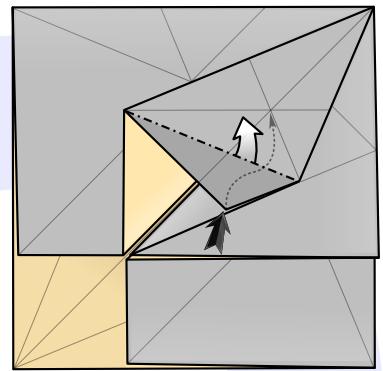
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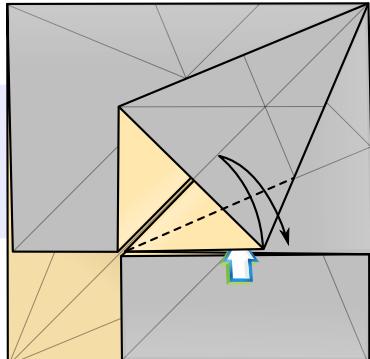
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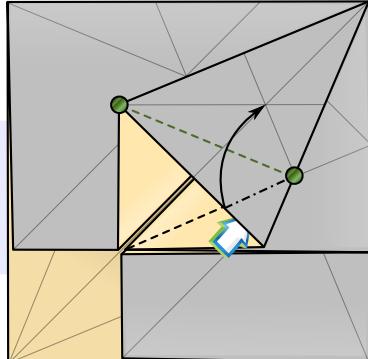
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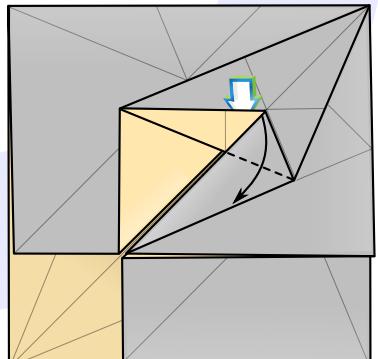
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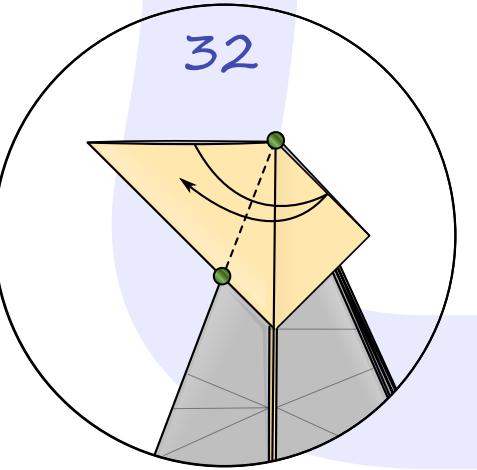
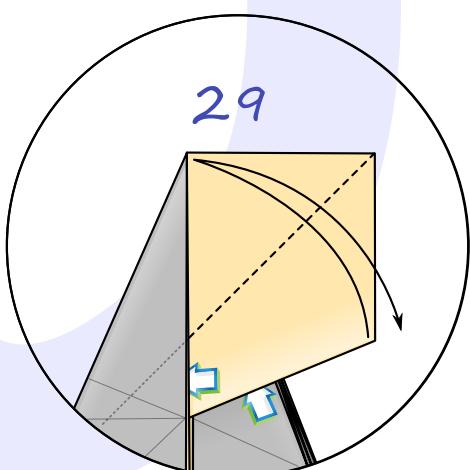
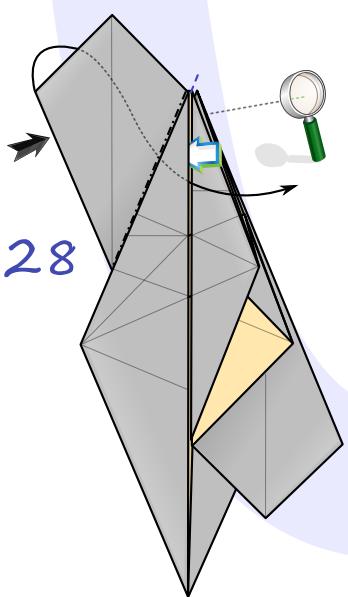
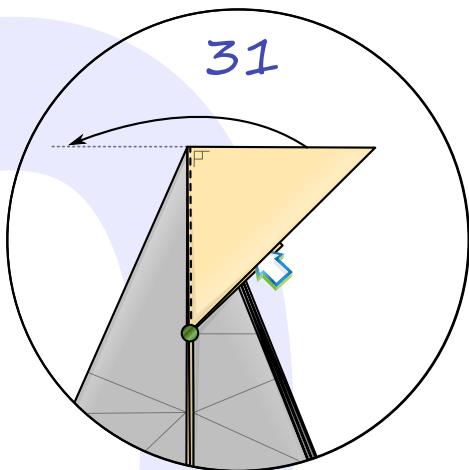
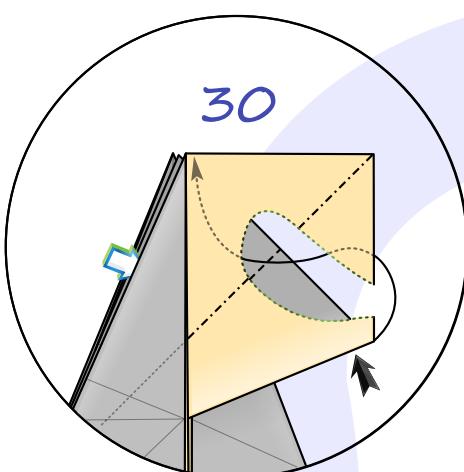
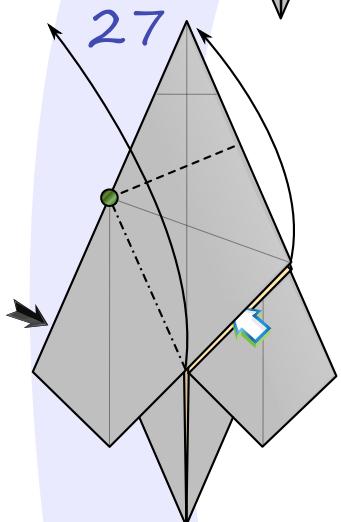
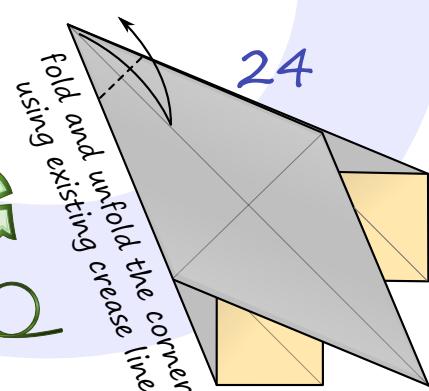
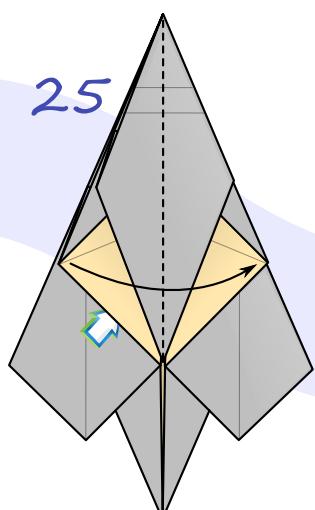
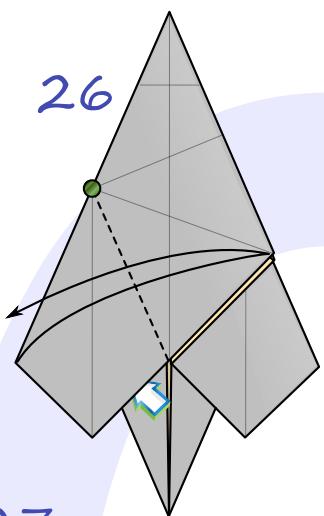
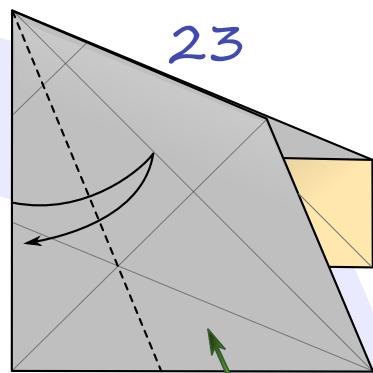
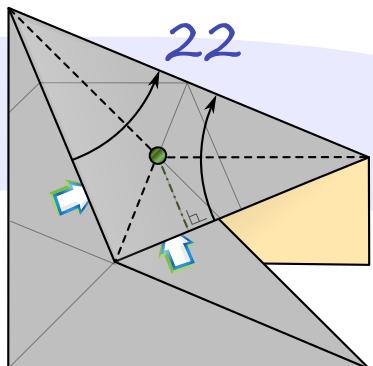
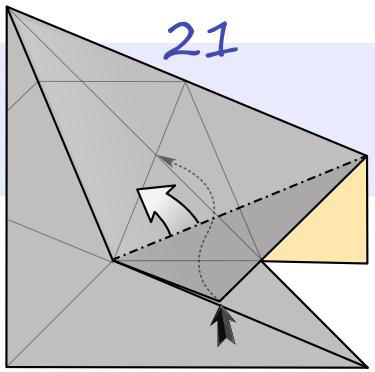
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12



31



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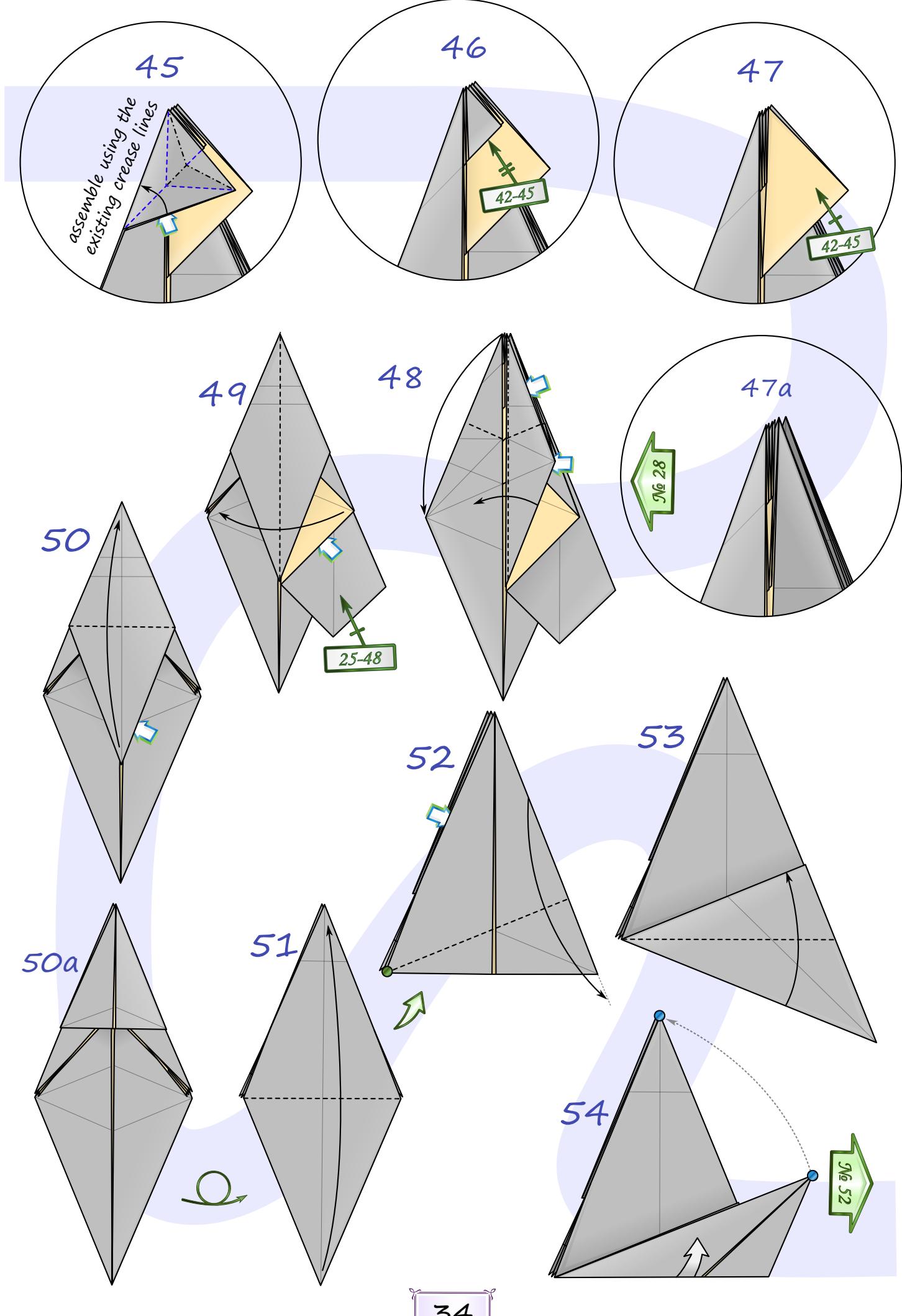
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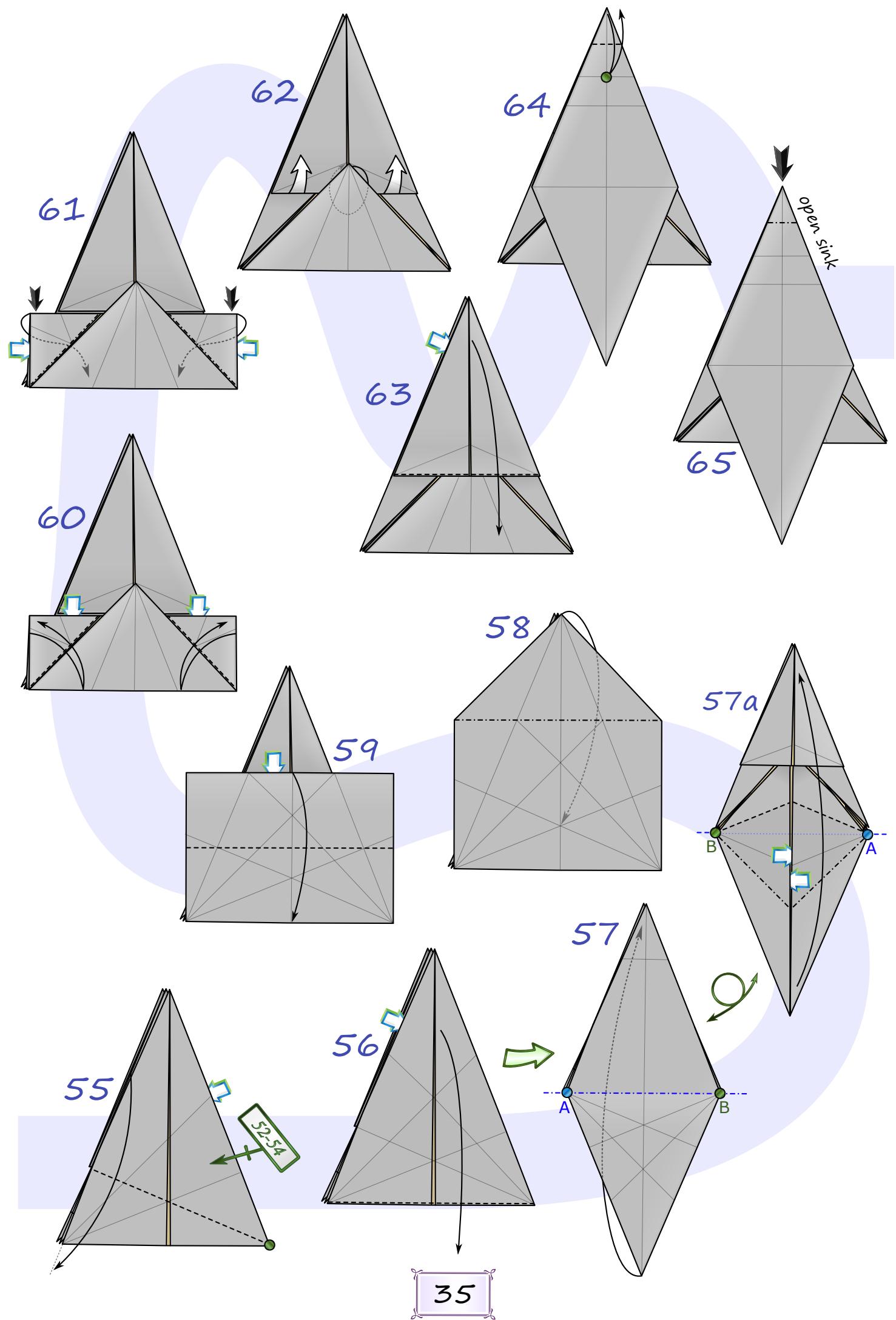
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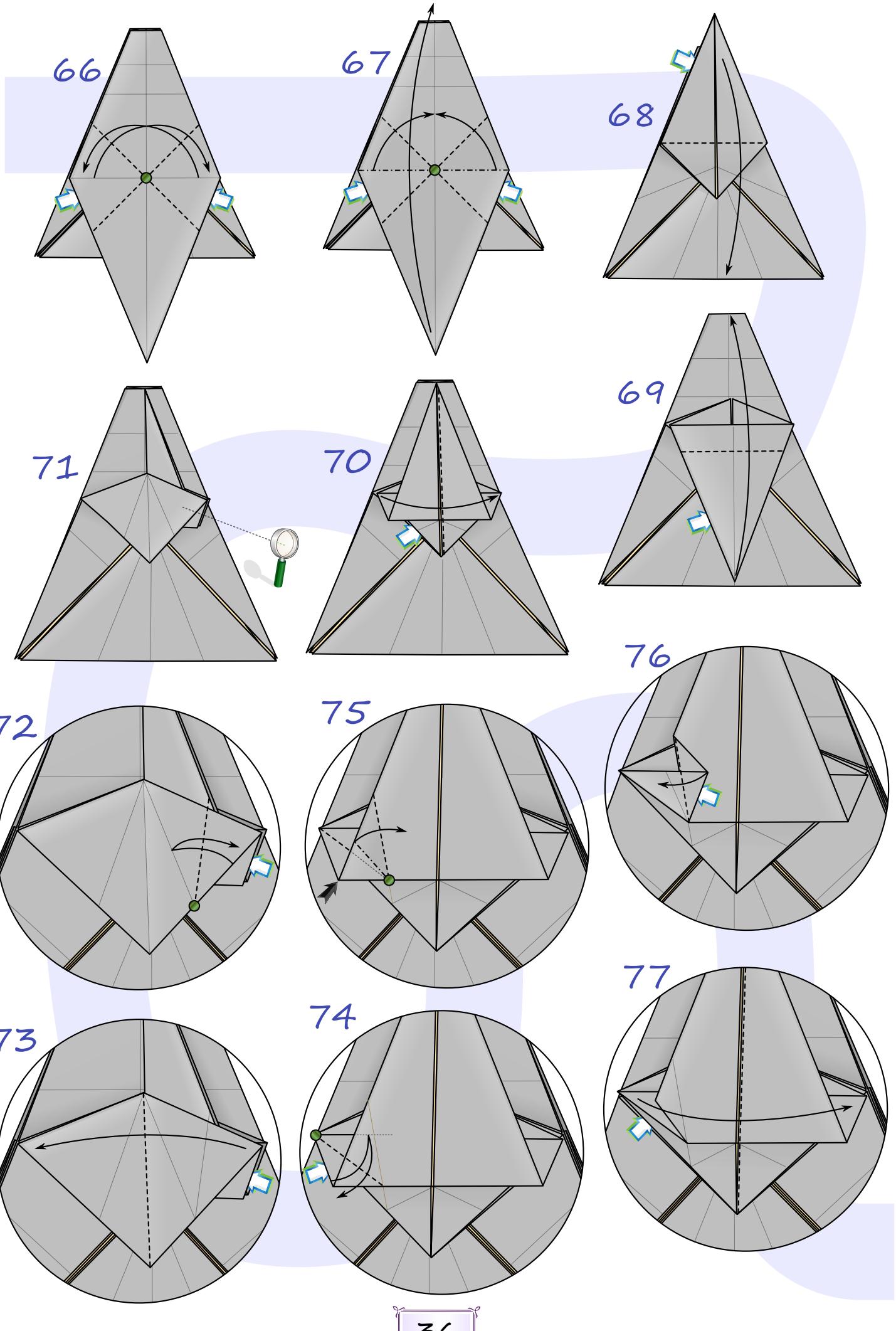
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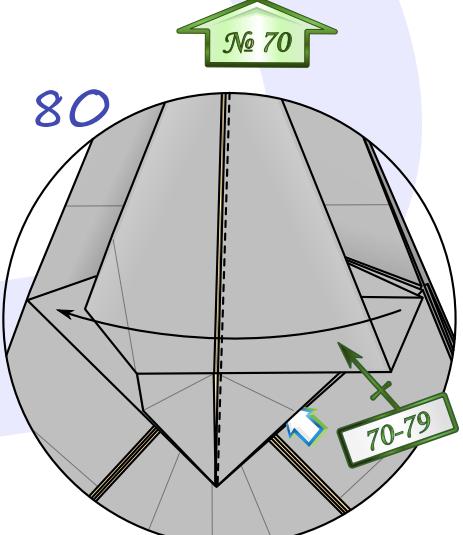
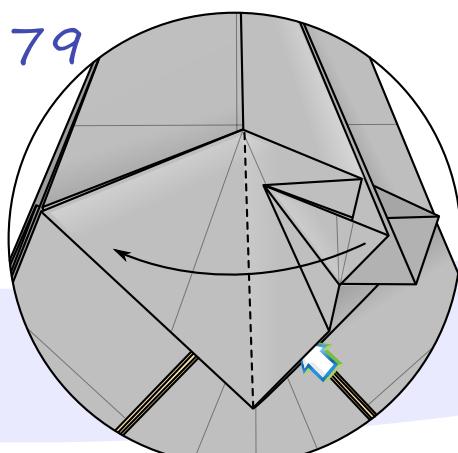
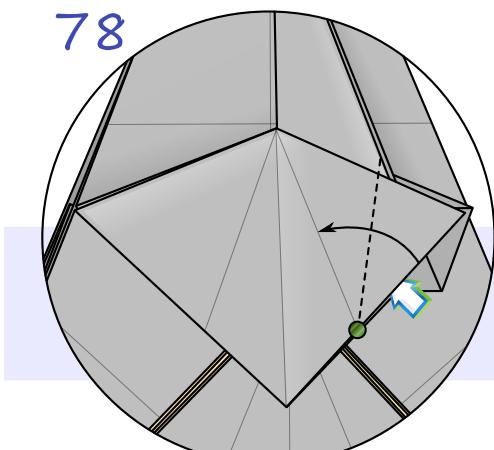
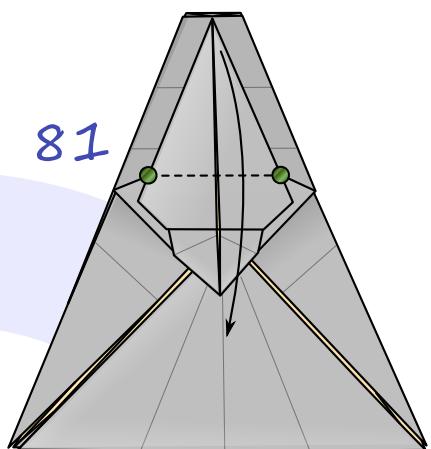
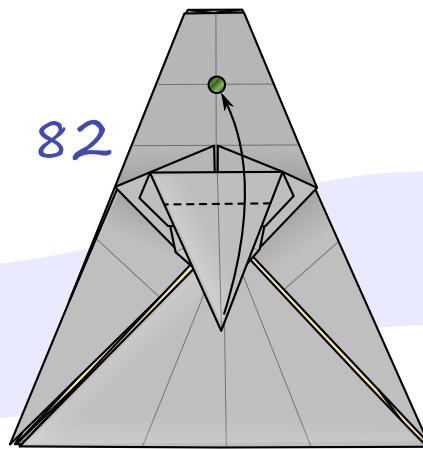
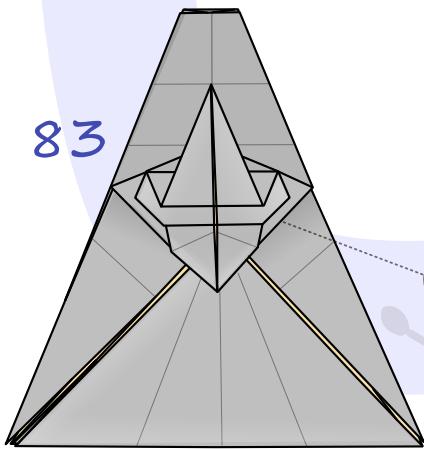
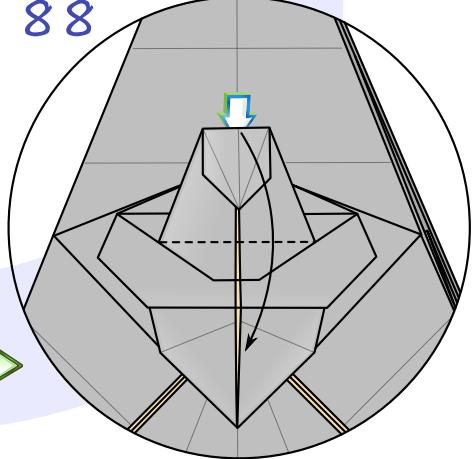
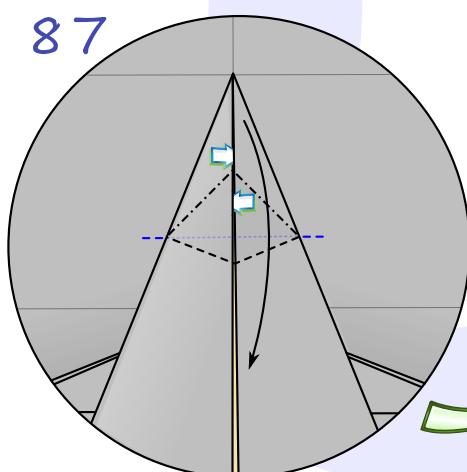
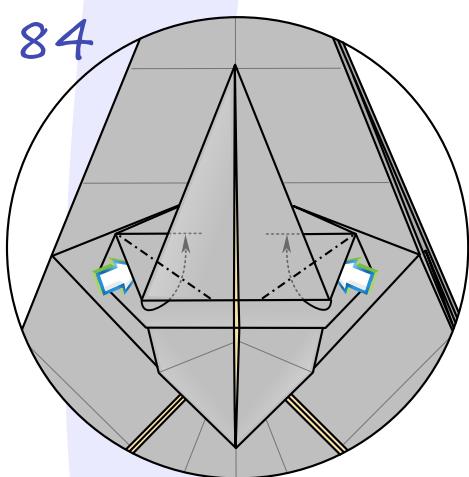
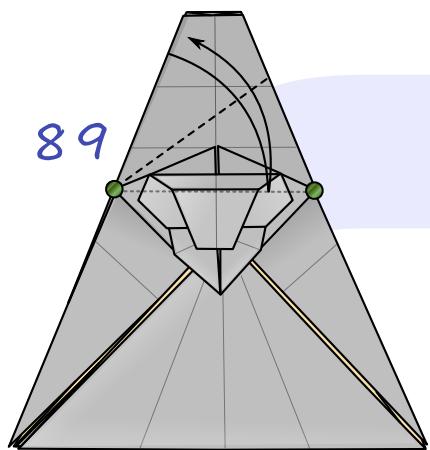
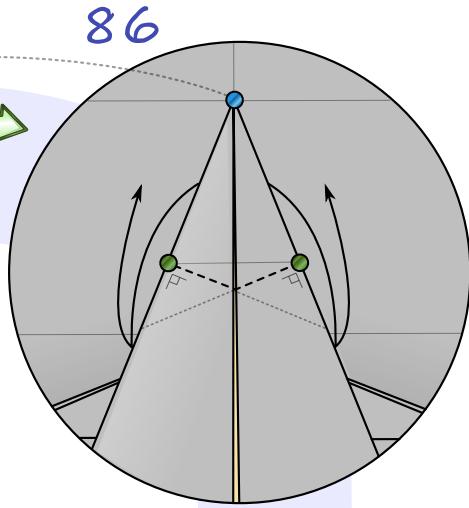
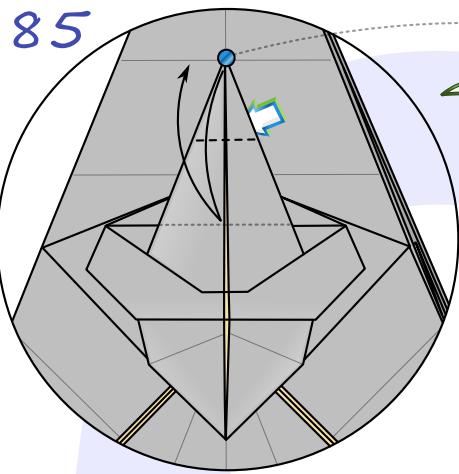
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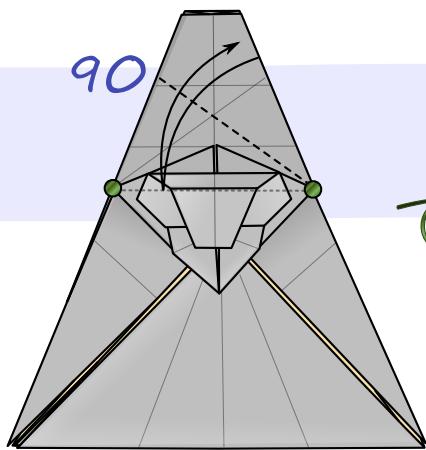




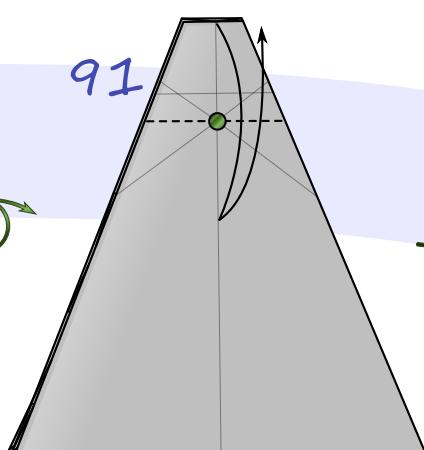




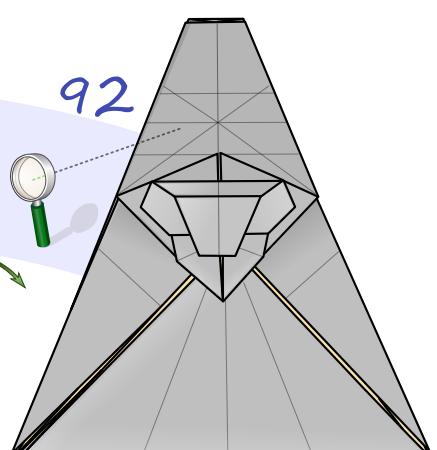
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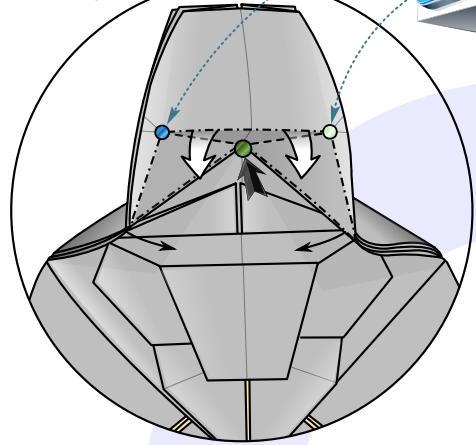
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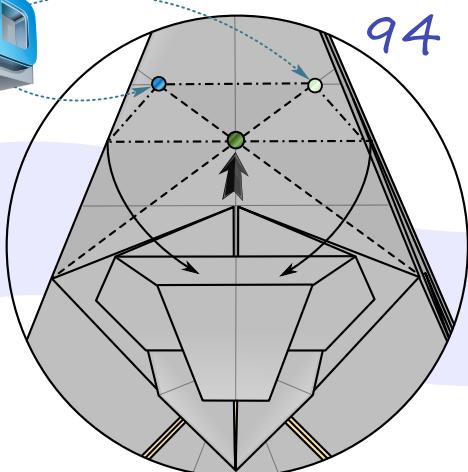
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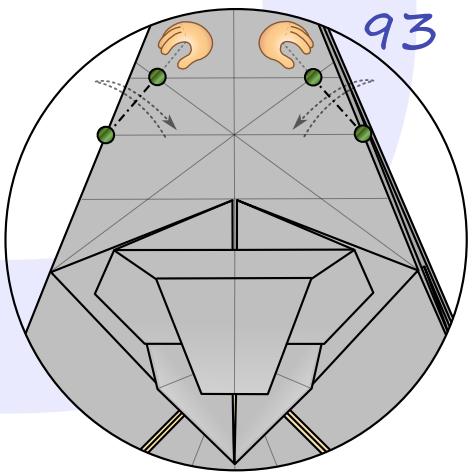
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94

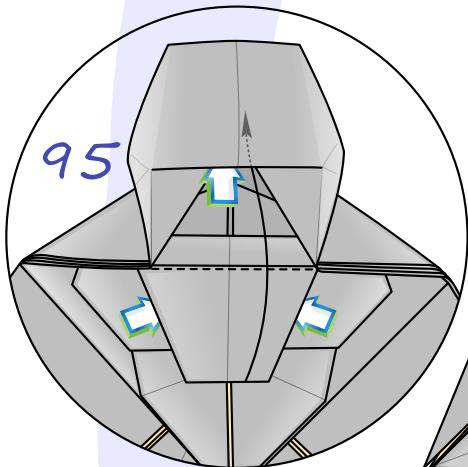


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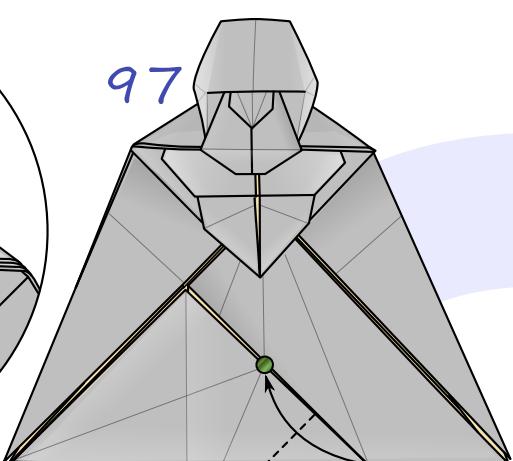


make the mountain
folds as shown

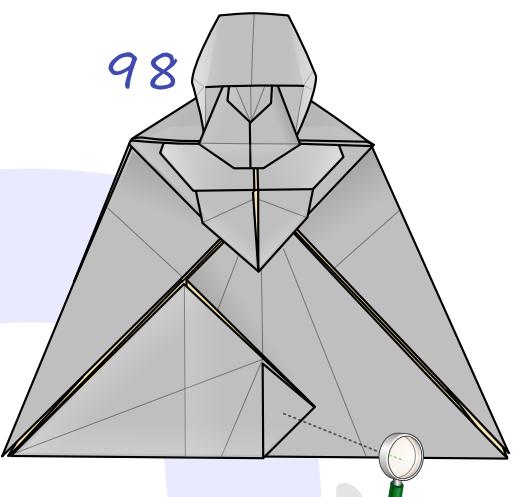
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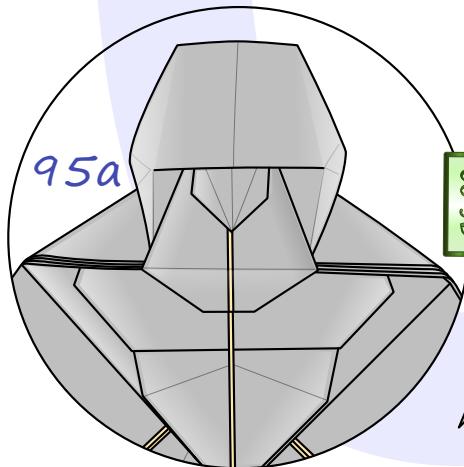
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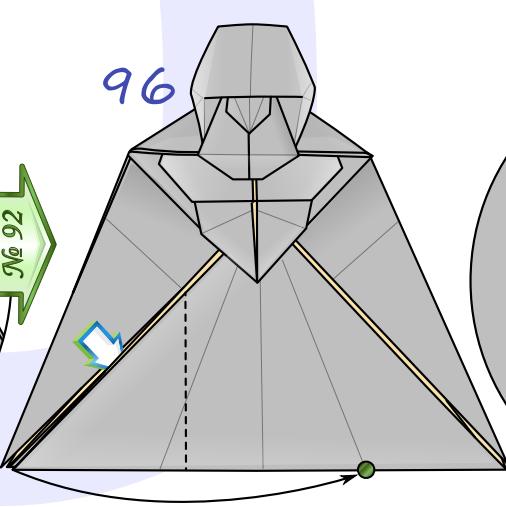
98



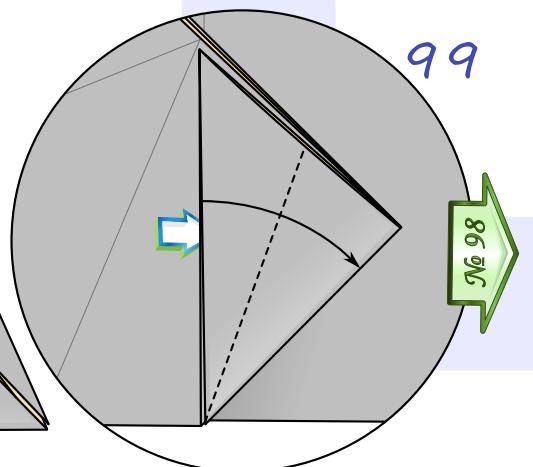
95a

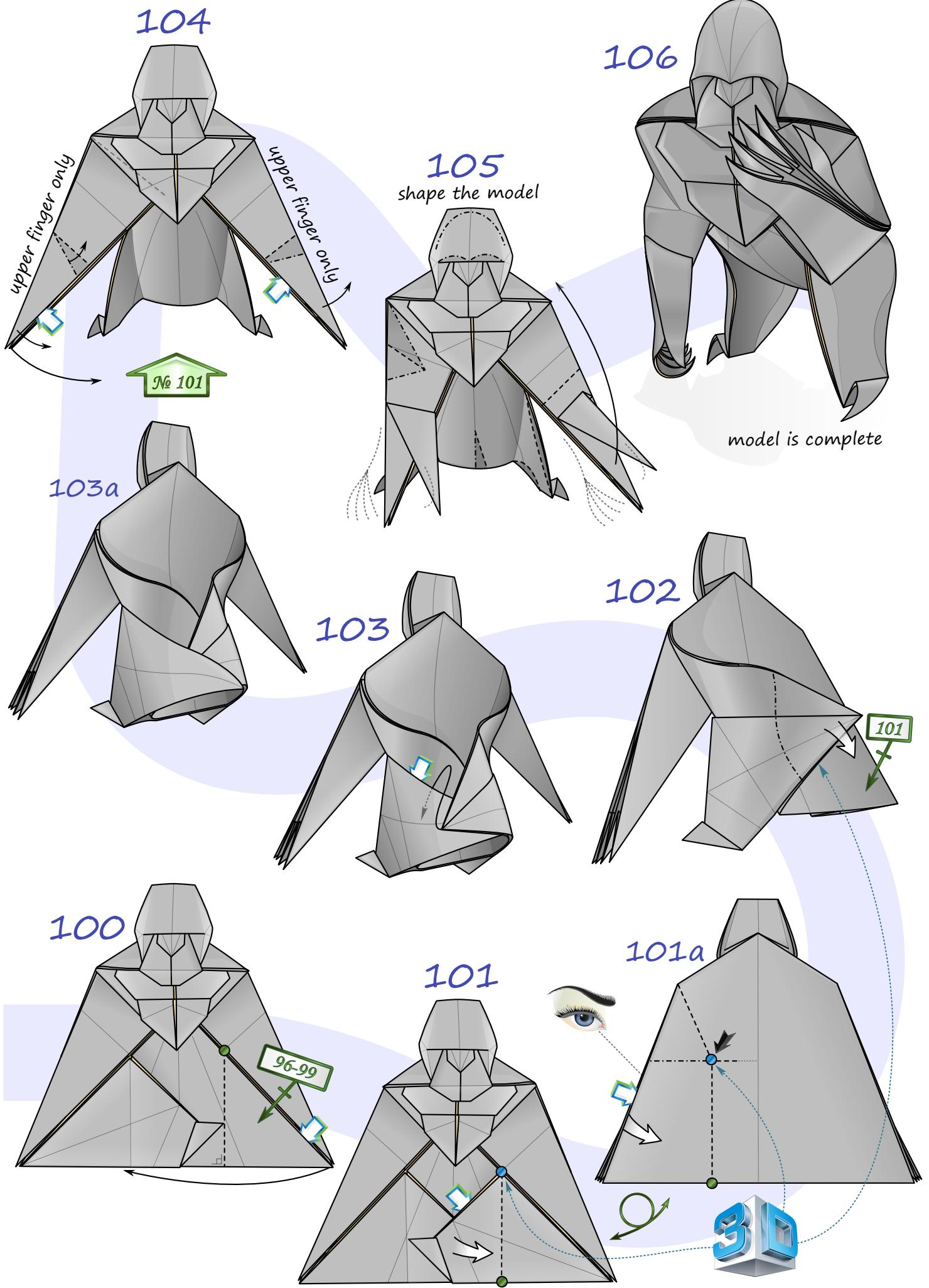


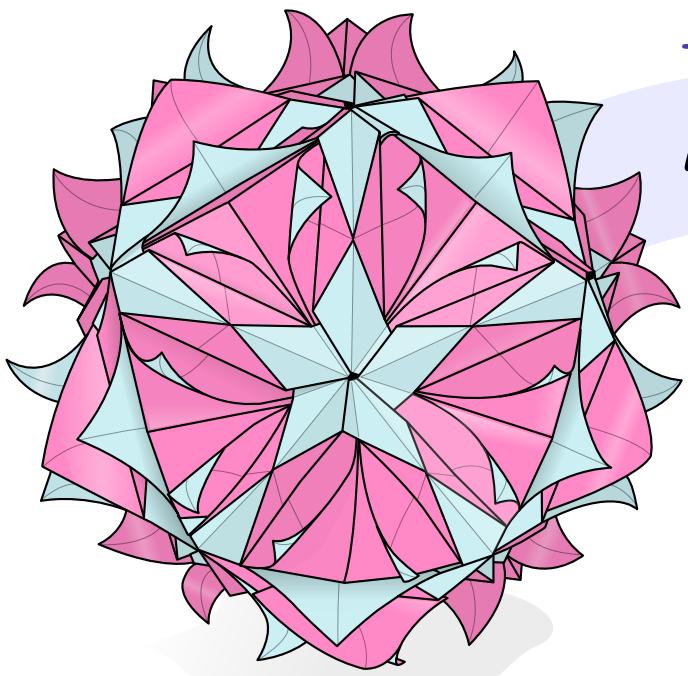
96



99







Task №6

Miranda star sonobe

Uniya Filonova (Russia)

Difficulty: ****

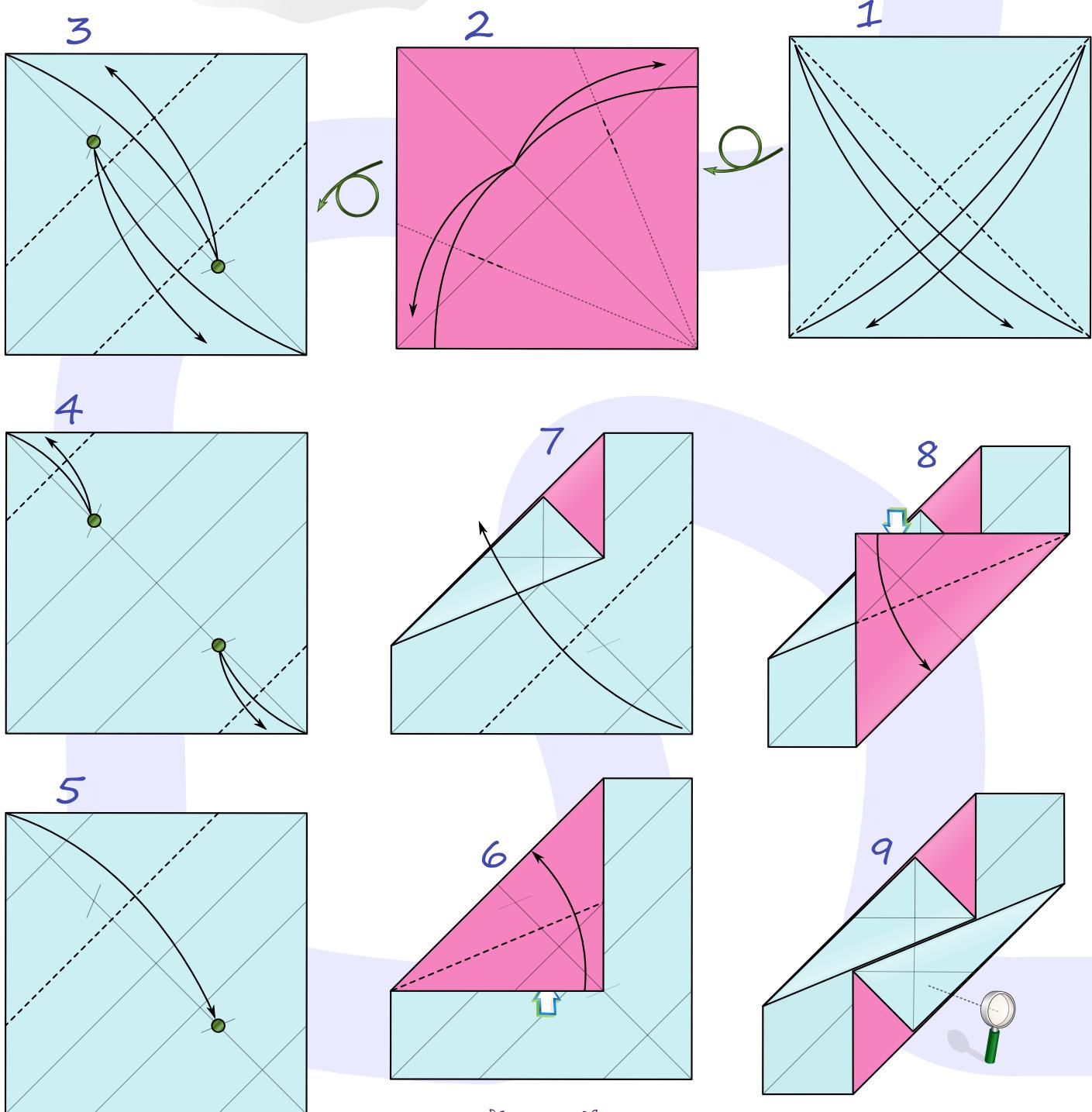
Paper: 50-60 g/m²

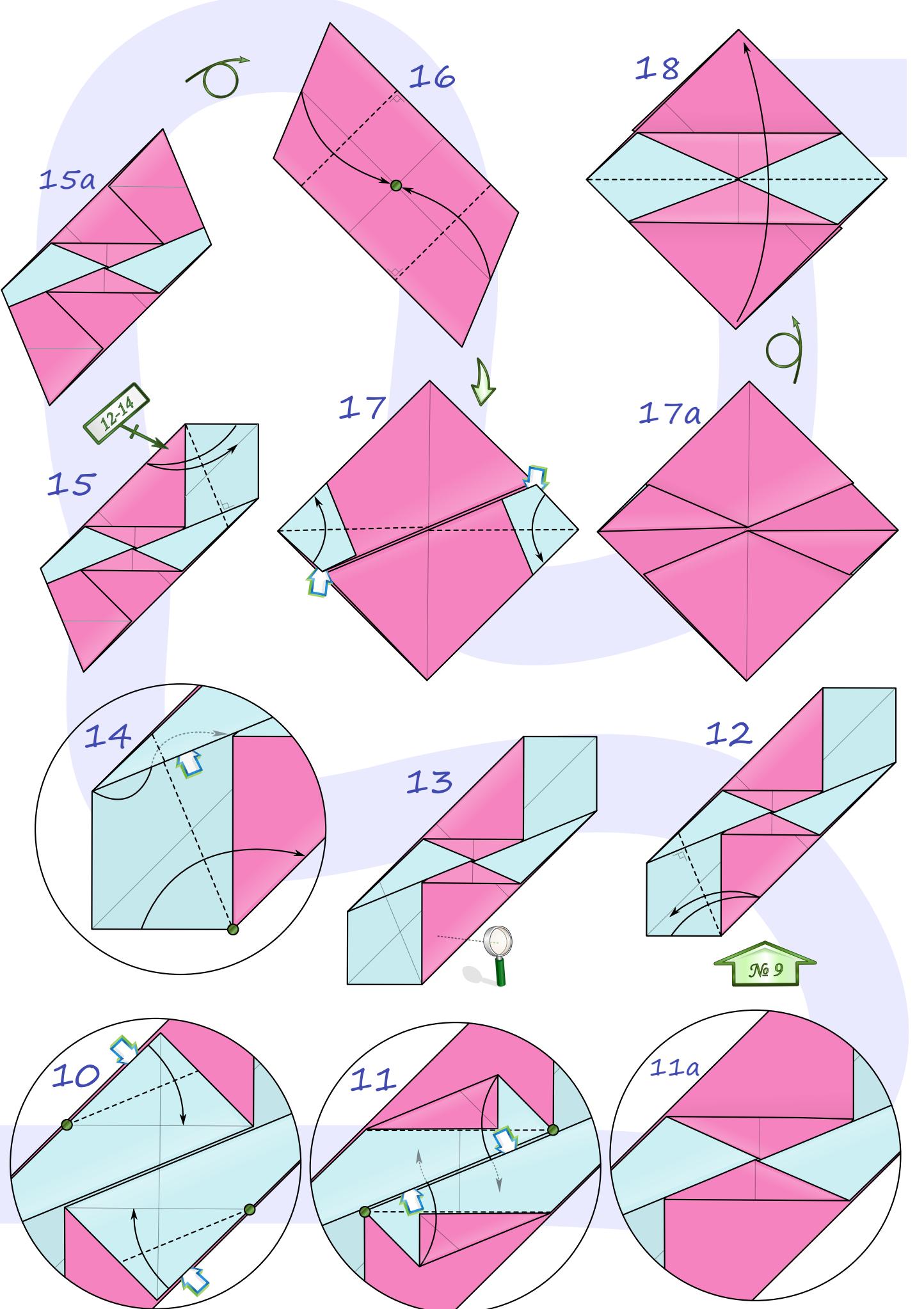
Paper size: 15-15 cm

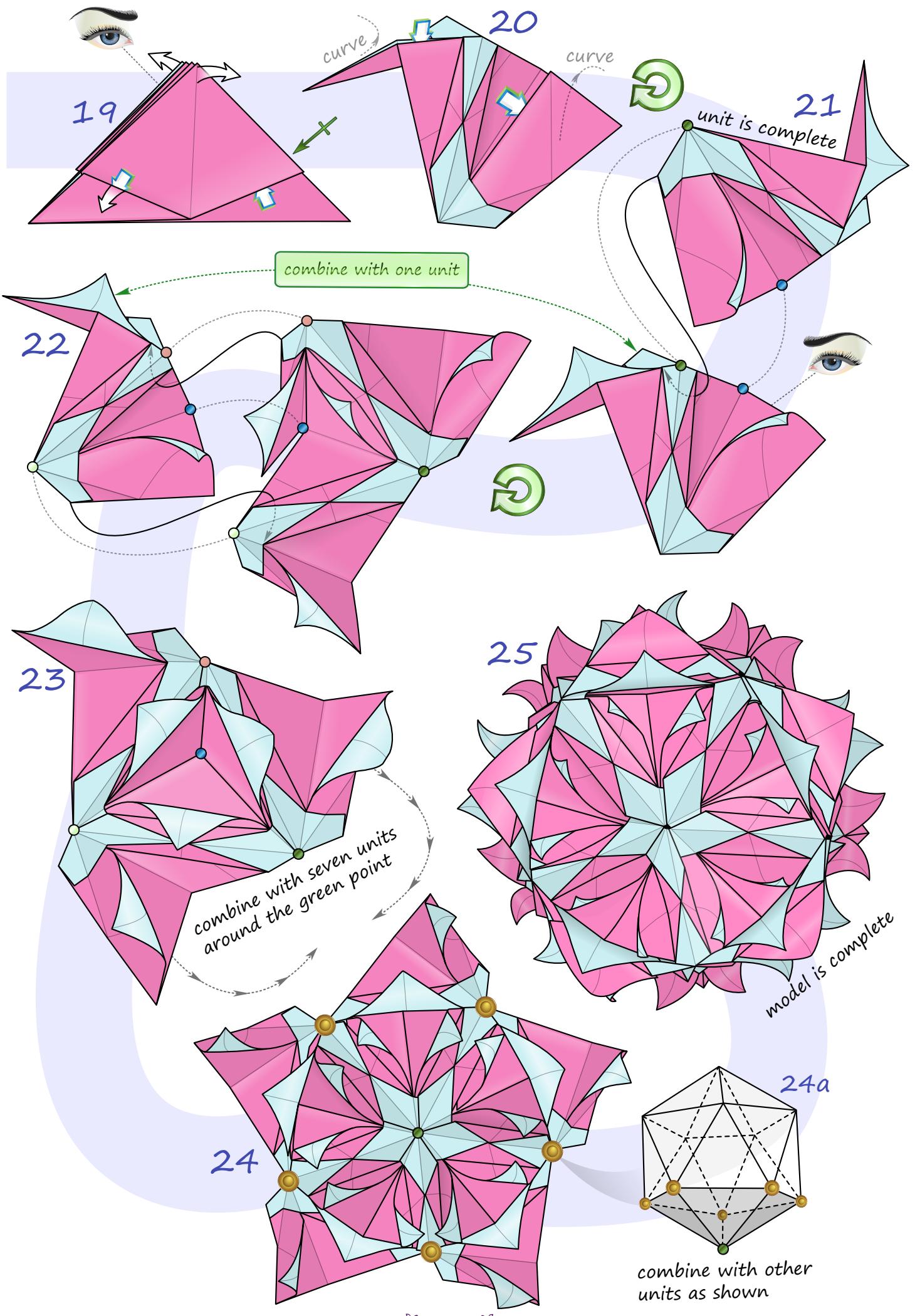
Final height: 20 cm

Units: 30

Max score: 7 points







Task №7

Spider

Yasushi Miyashita (Japan)

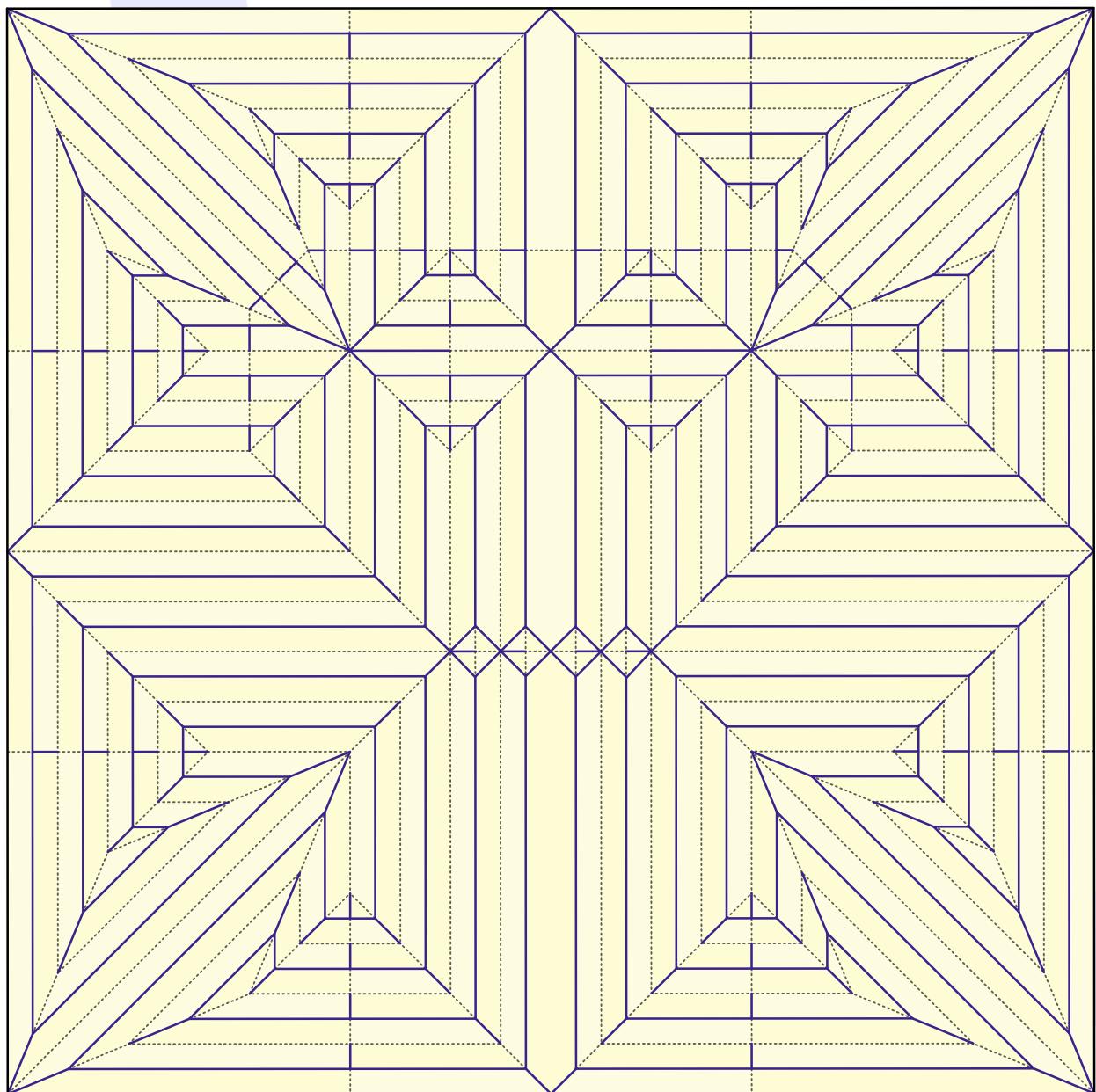
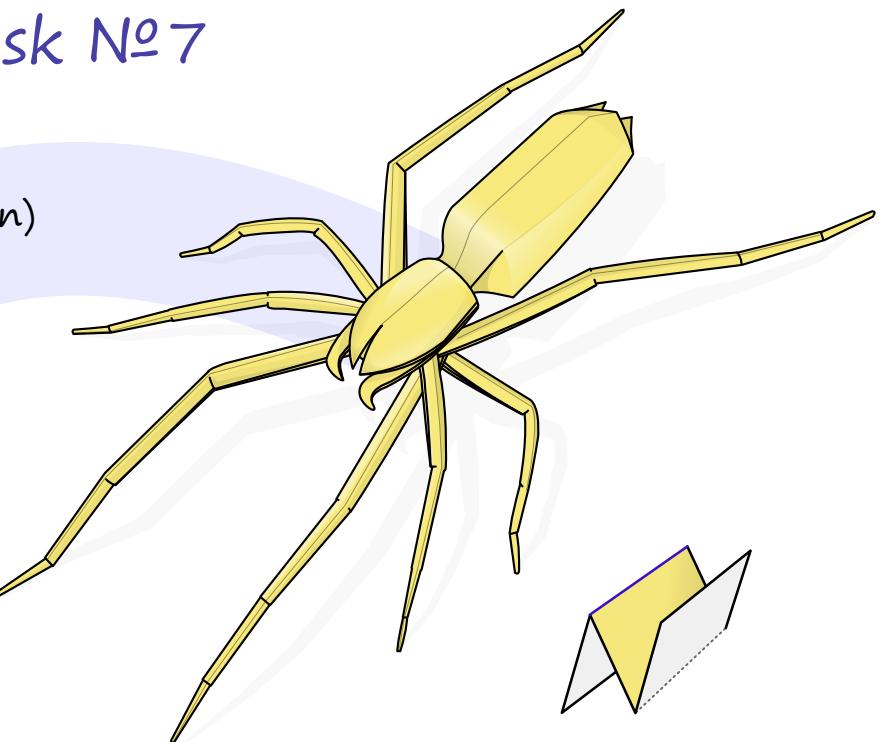
Difficulty: ***** -----

Paper: 20-30 g/m²

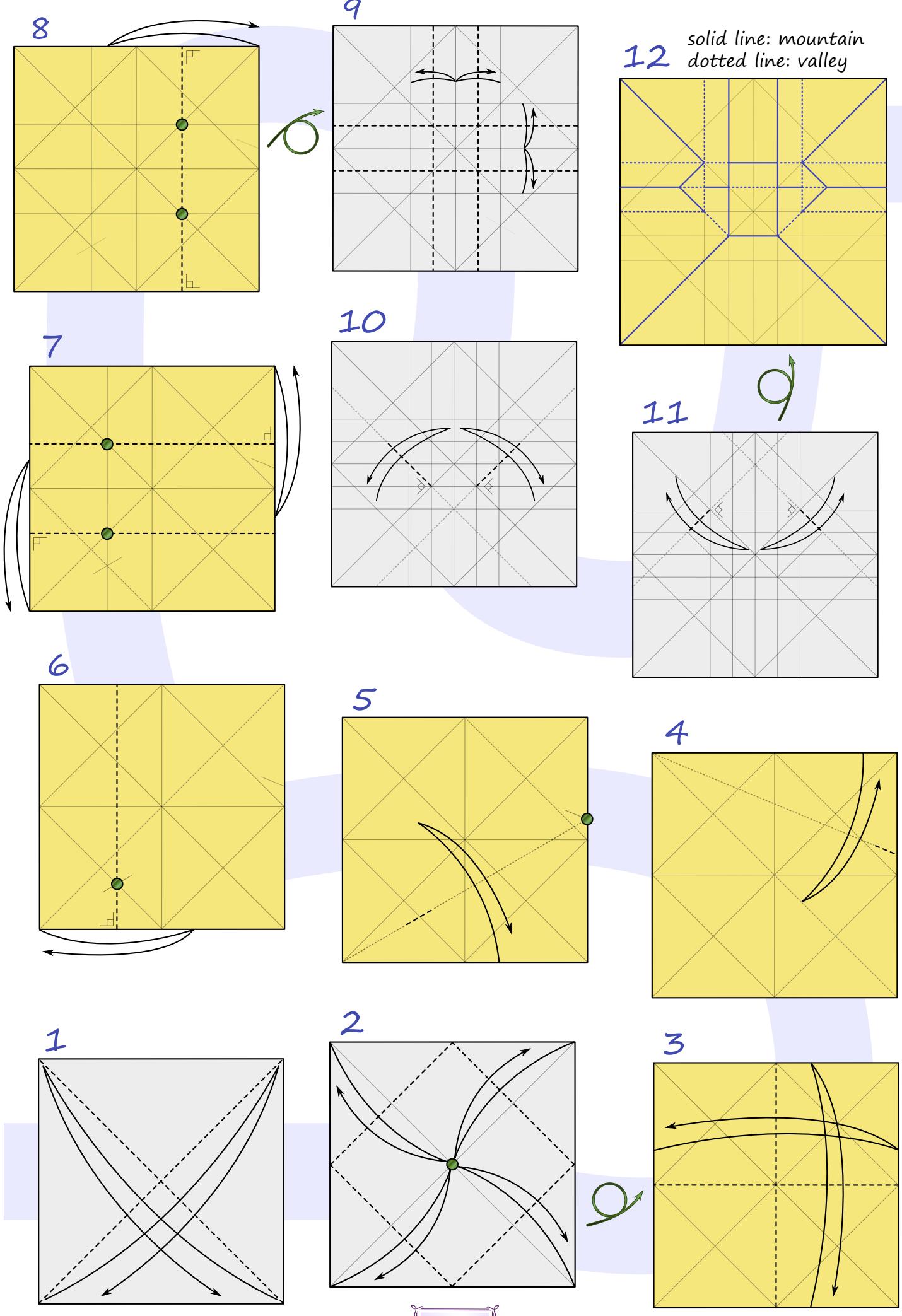
Paper size: 50-50 cm

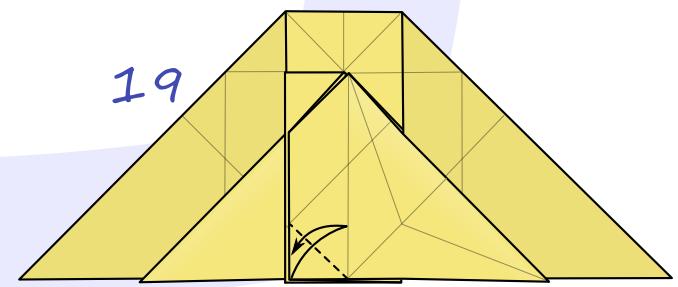
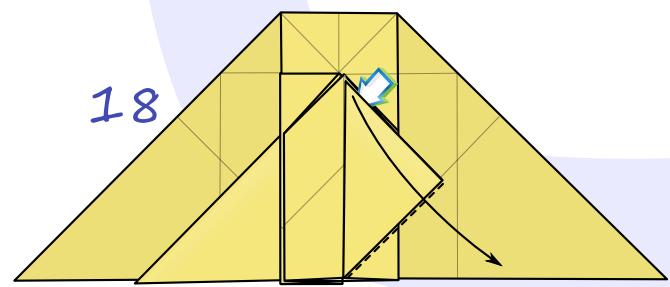
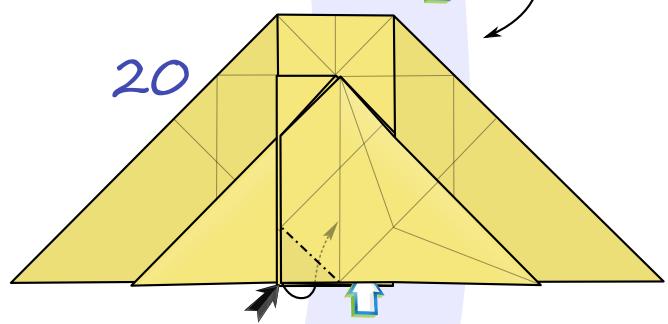
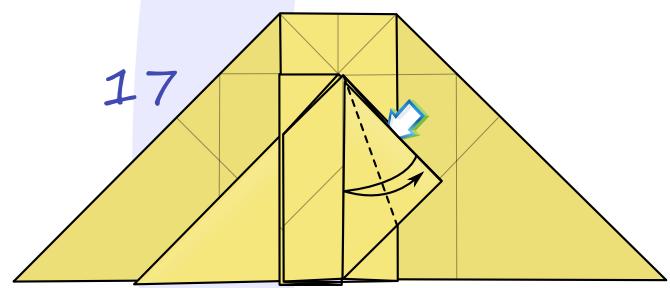
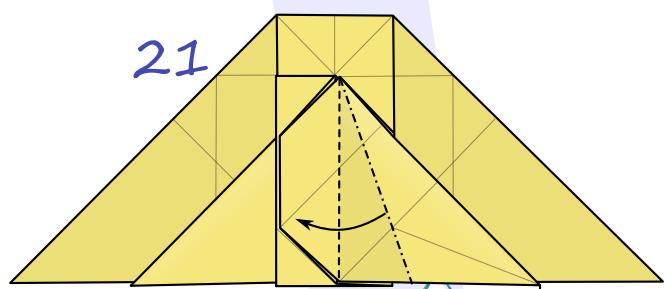
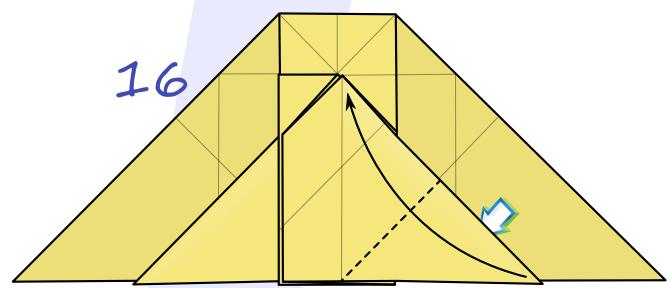
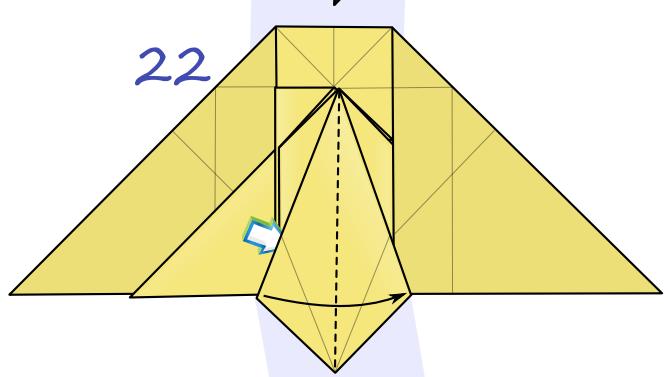
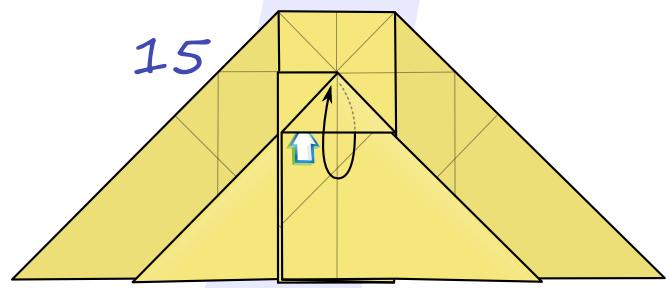
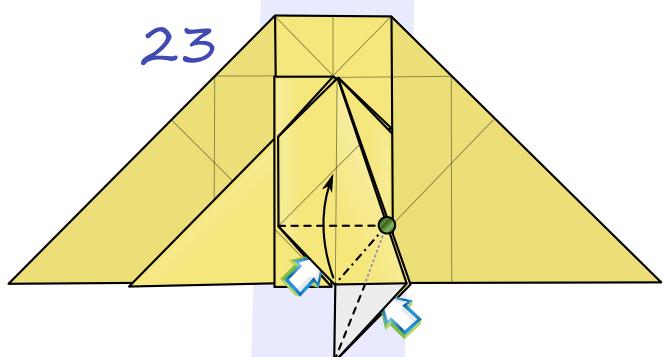
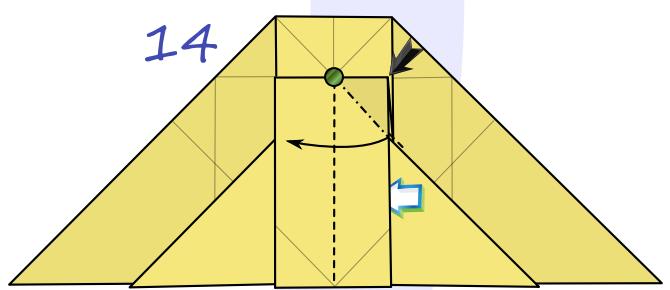
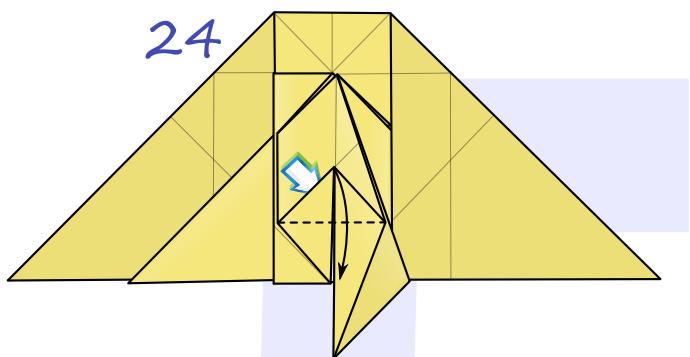
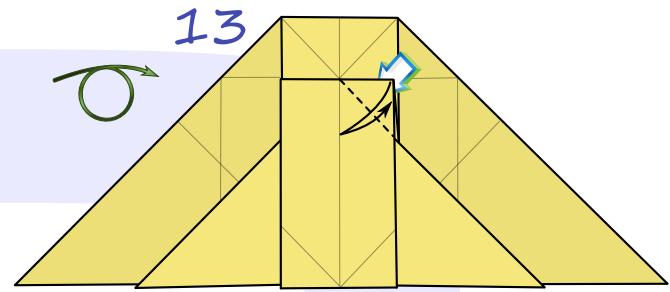
Model length: 27 cm

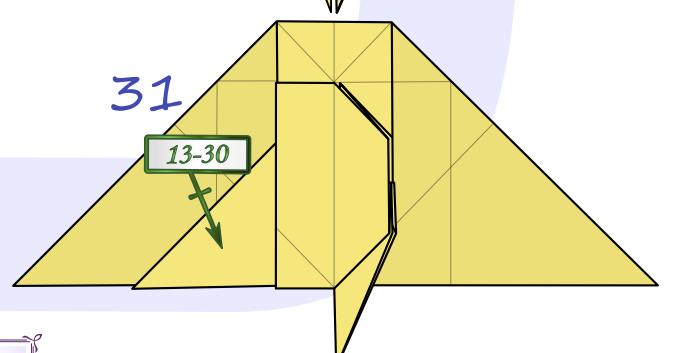
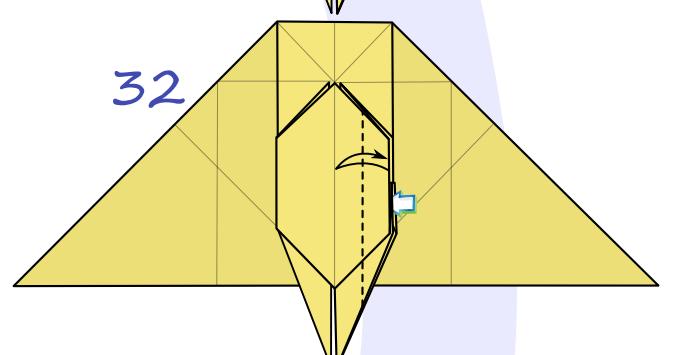
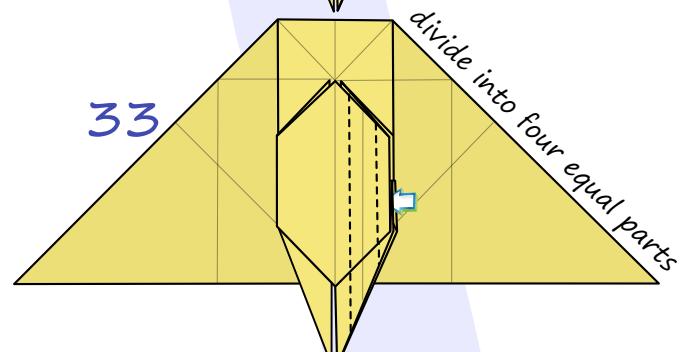
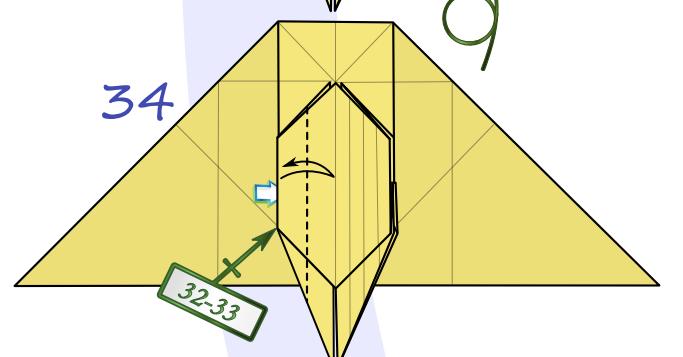
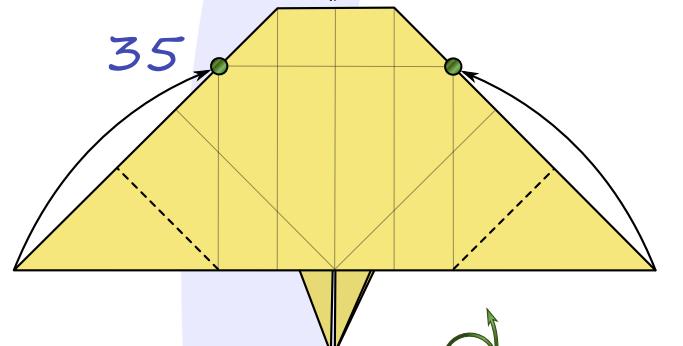
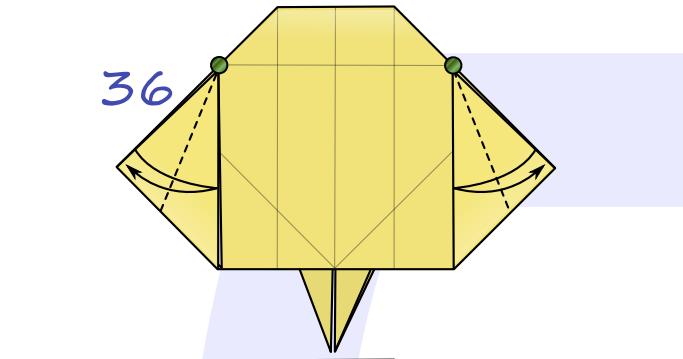
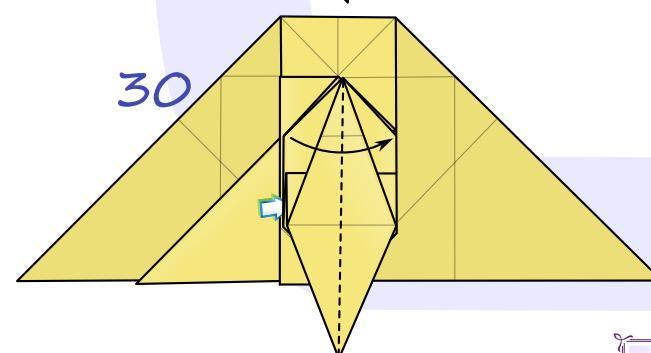
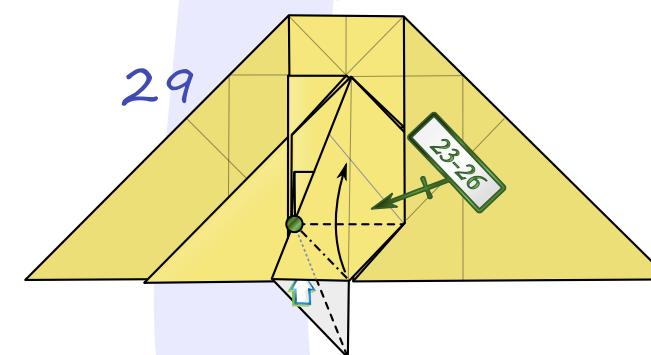
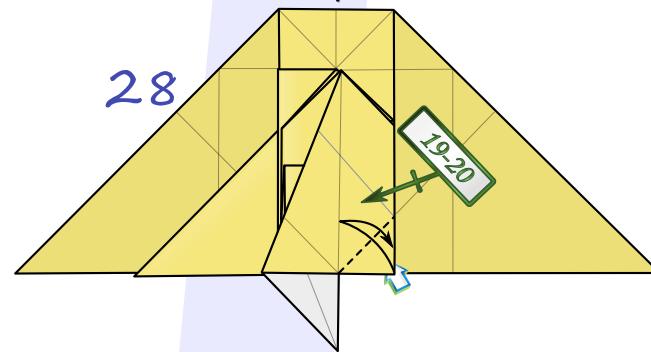
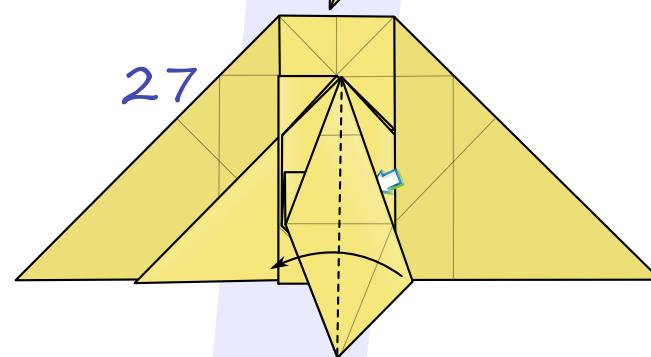
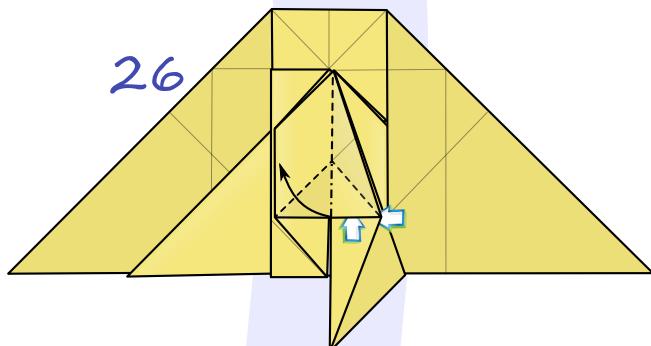
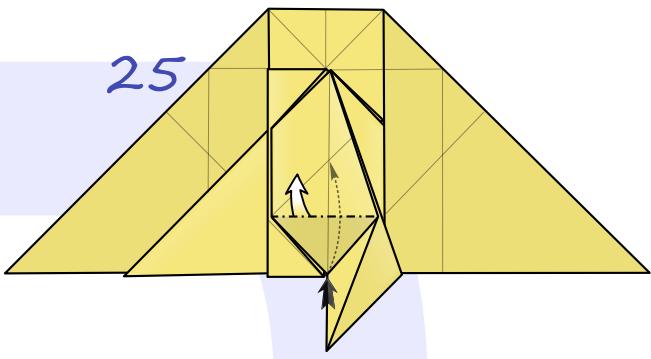
Max score: 10 points

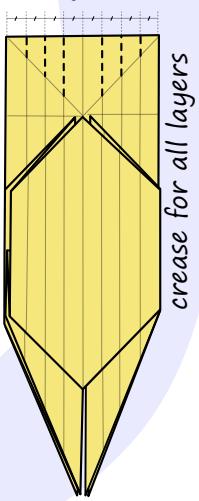
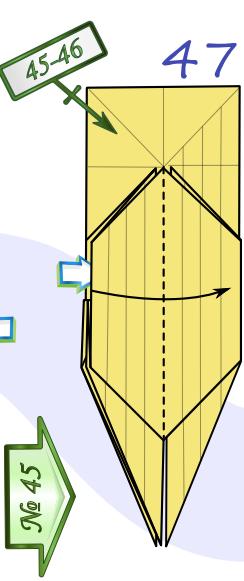
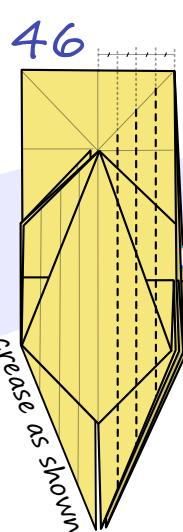
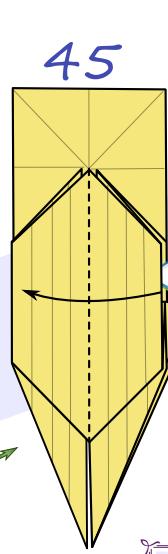
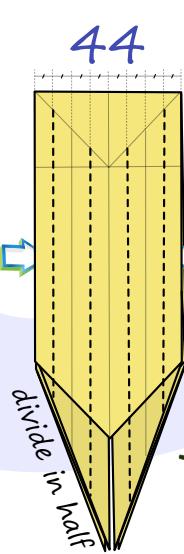
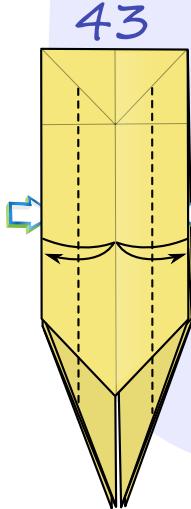
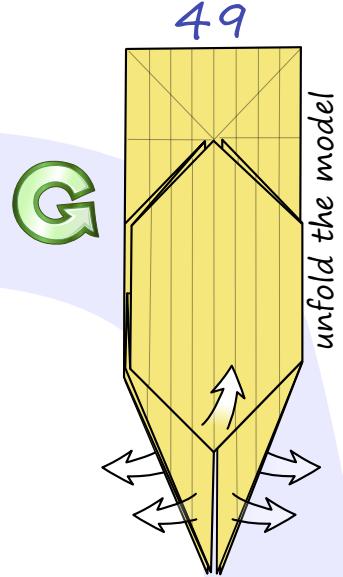
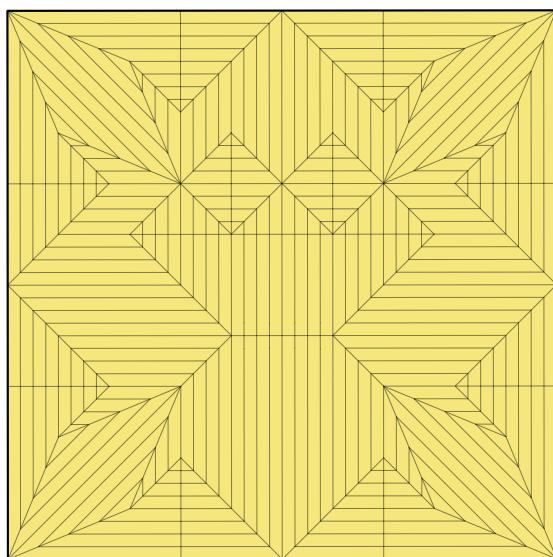
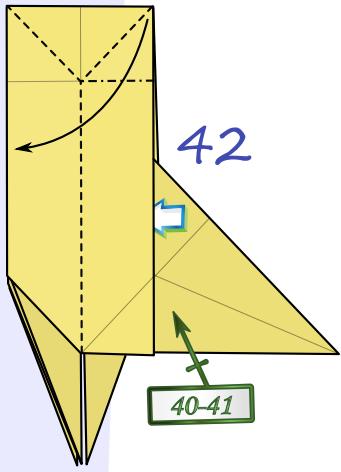
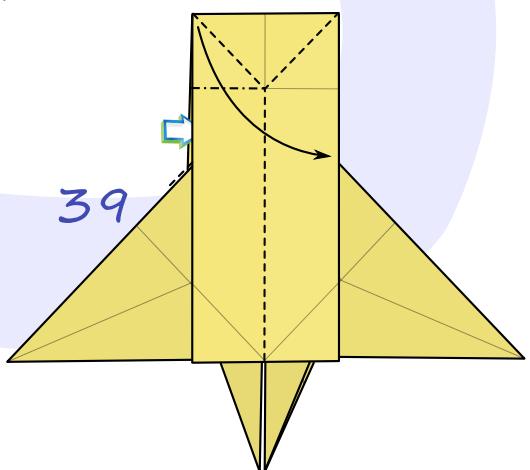
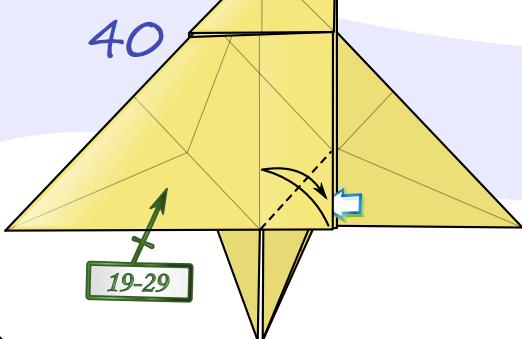
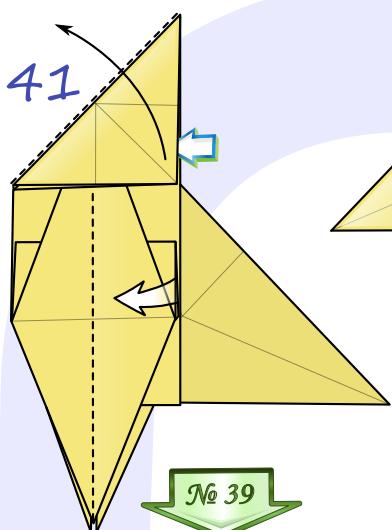
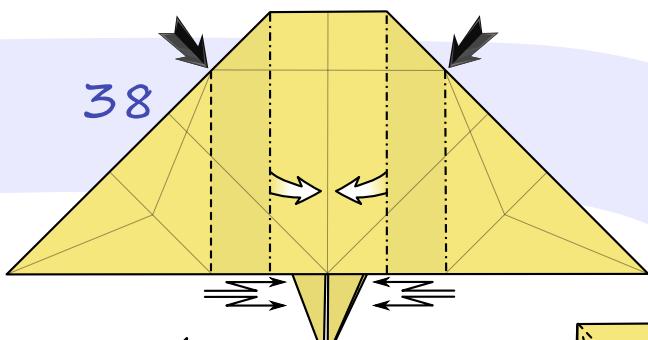
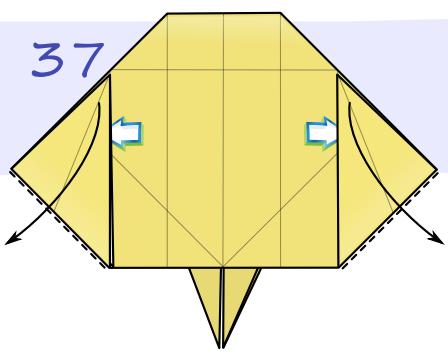


Crease Pattern









Task №8

Windmills

Martin Laube (Germany)

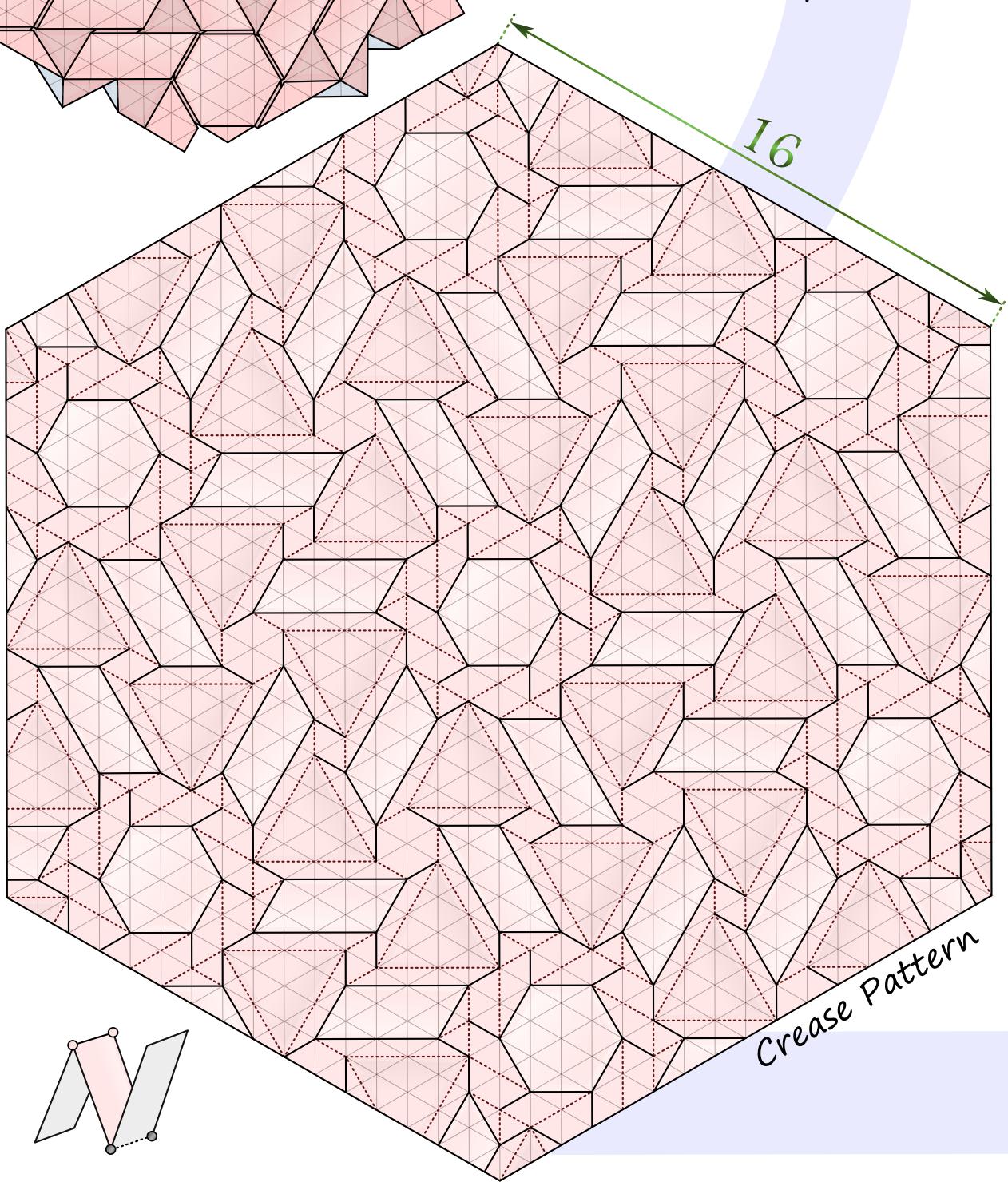
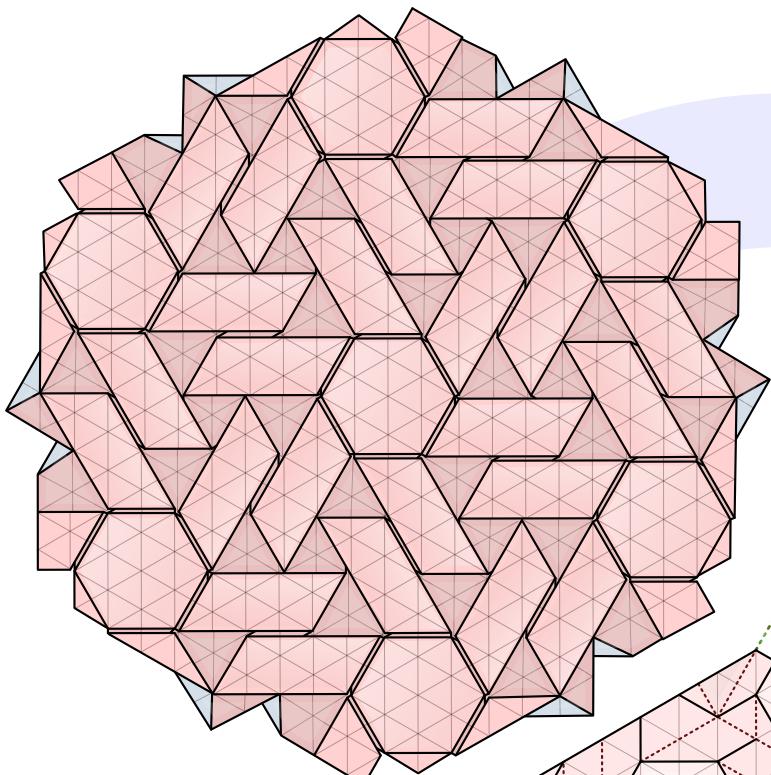
Difficulty: ***** - - - -

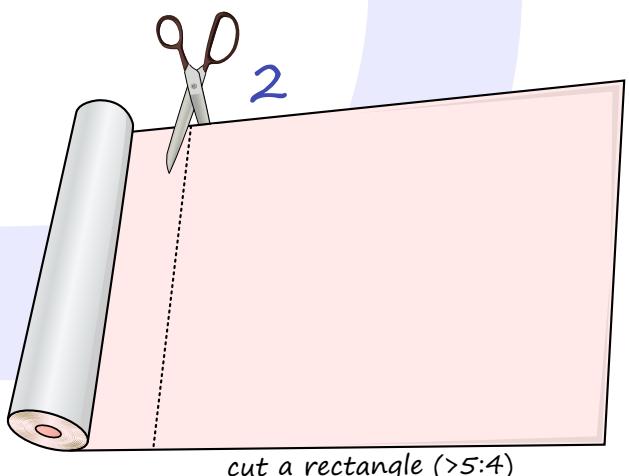
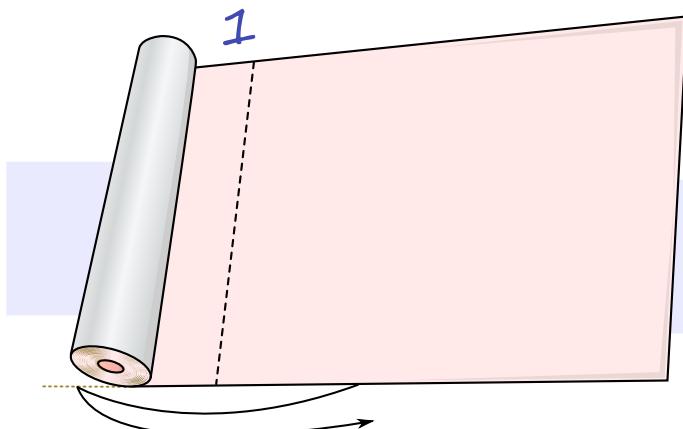
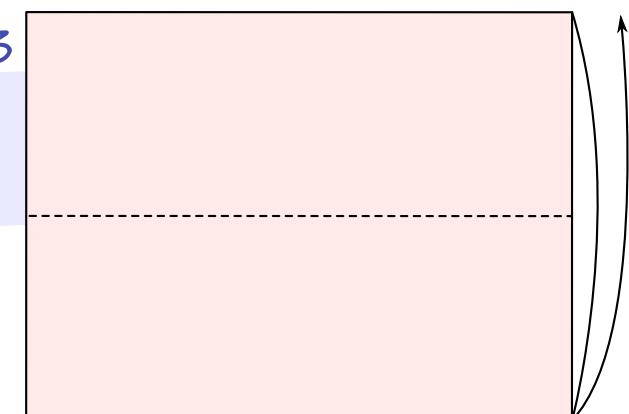
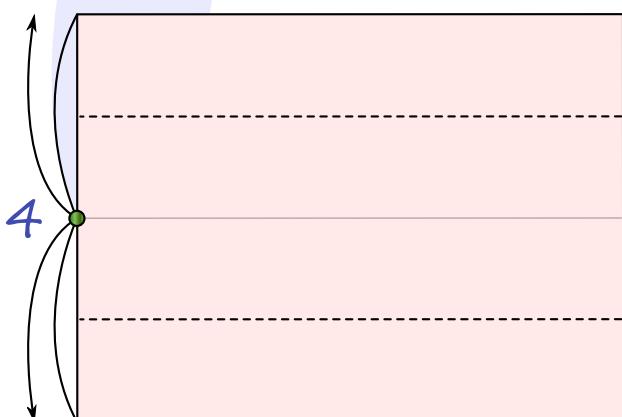
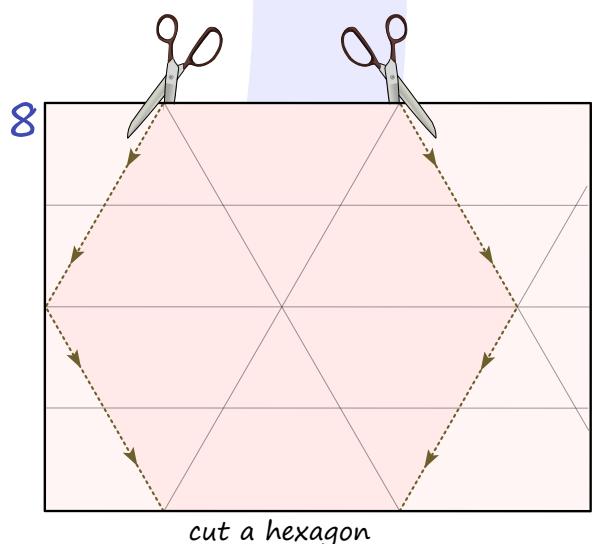
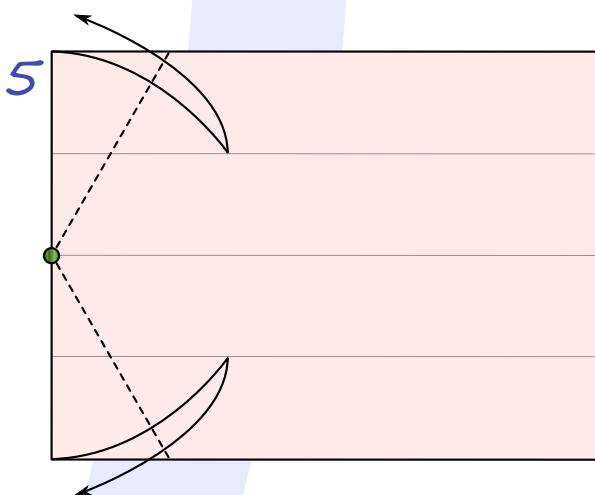
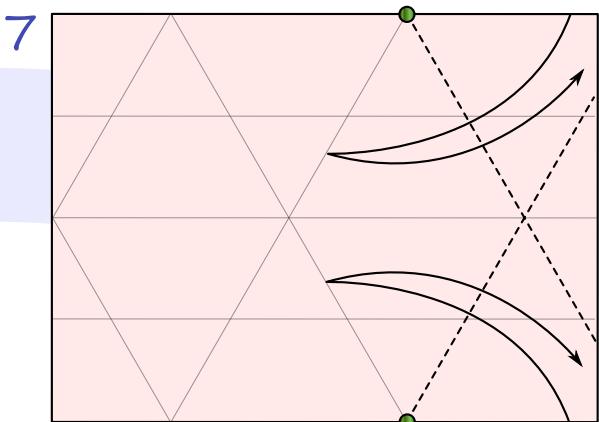
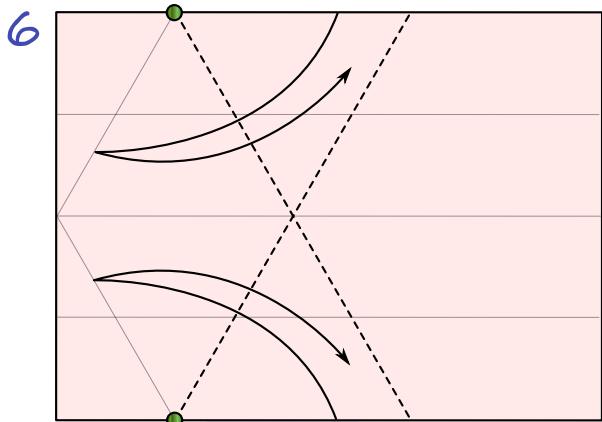
Paper: 50-60 g/M²

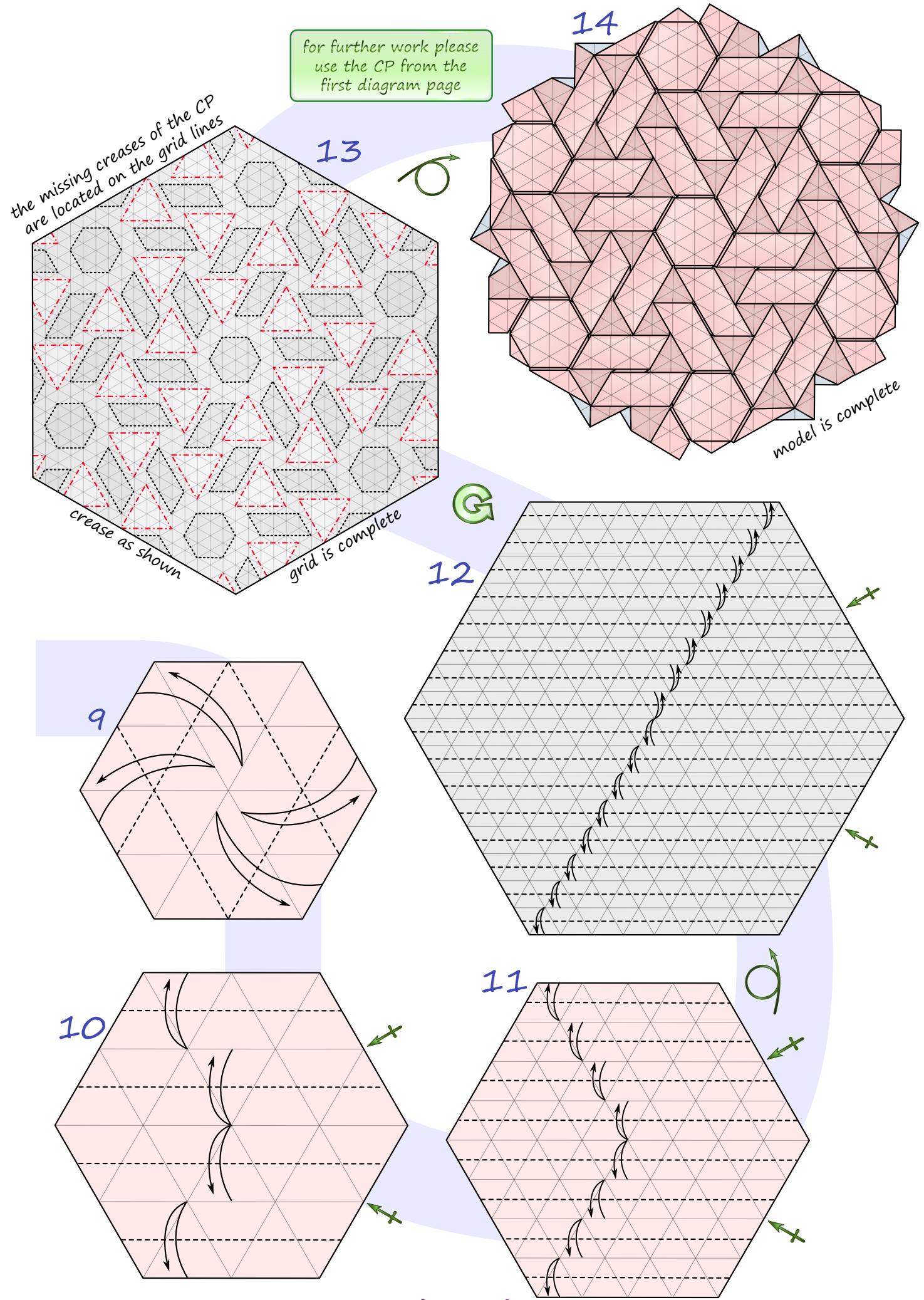
Hexagon size: 18-18-18 CM

Model size: 12-12-12 CM

Max score: 7 points



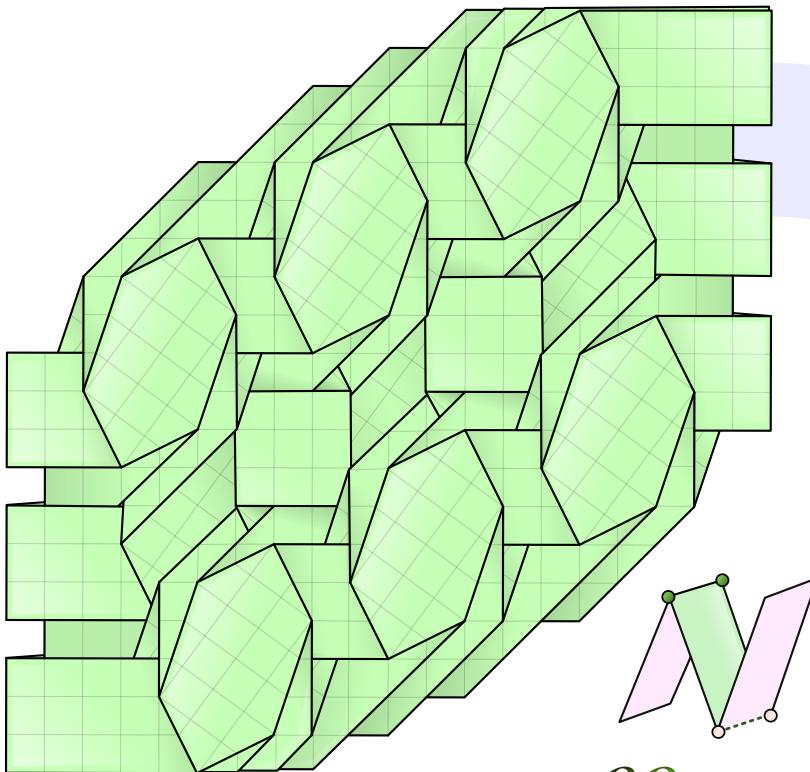




Task №9

Sea knot

Ryoichi Takagi (Japan)



Difficulty: *****

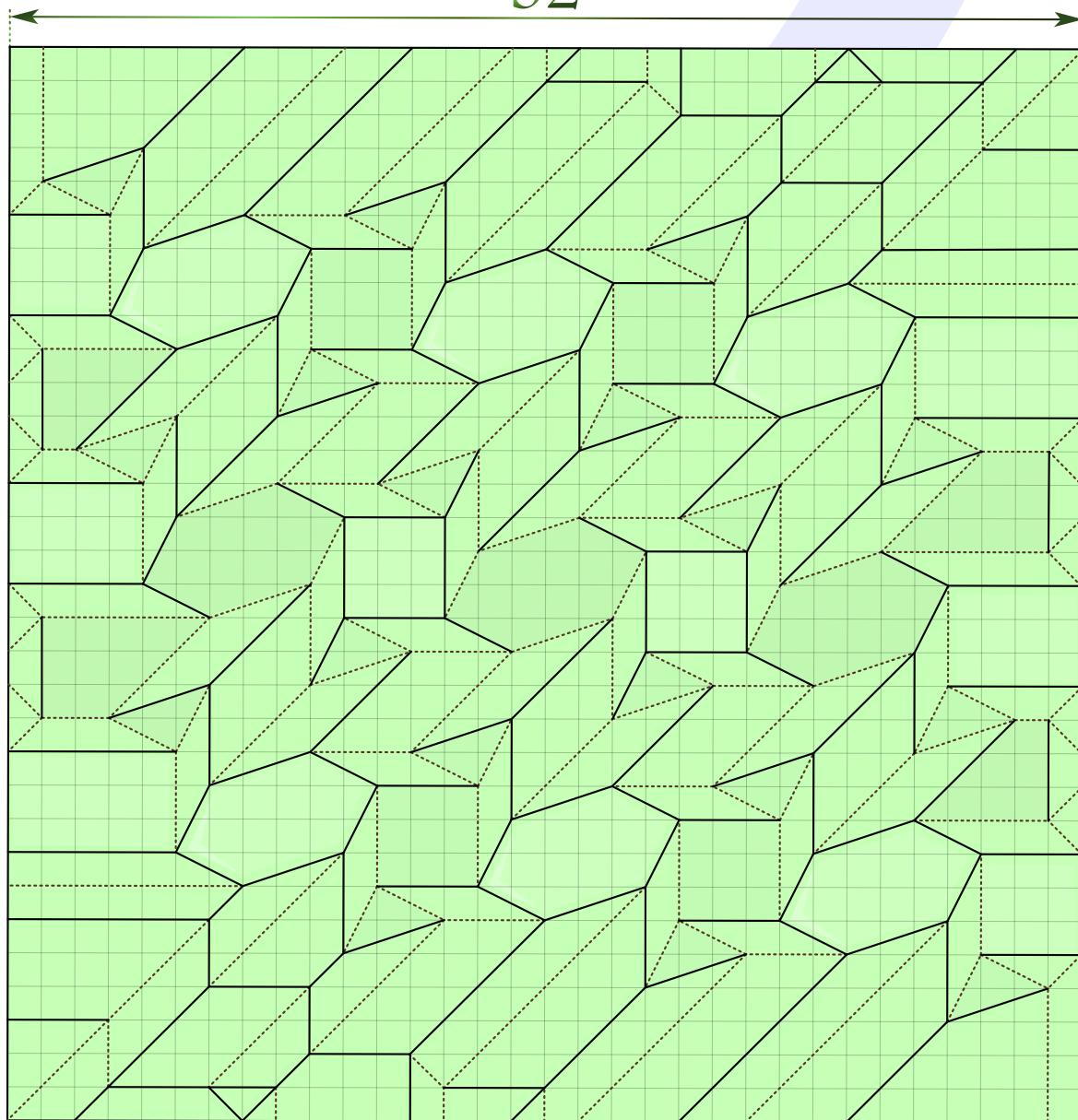
Paper: 50-60 g/m²

Paper size: 30-30 cm

Final length: 20 cm

Max score: 9 points

32

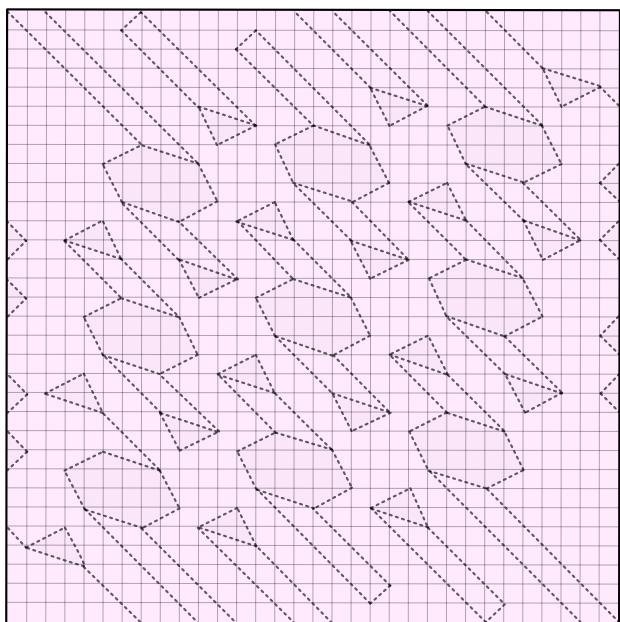


Crease Pattern

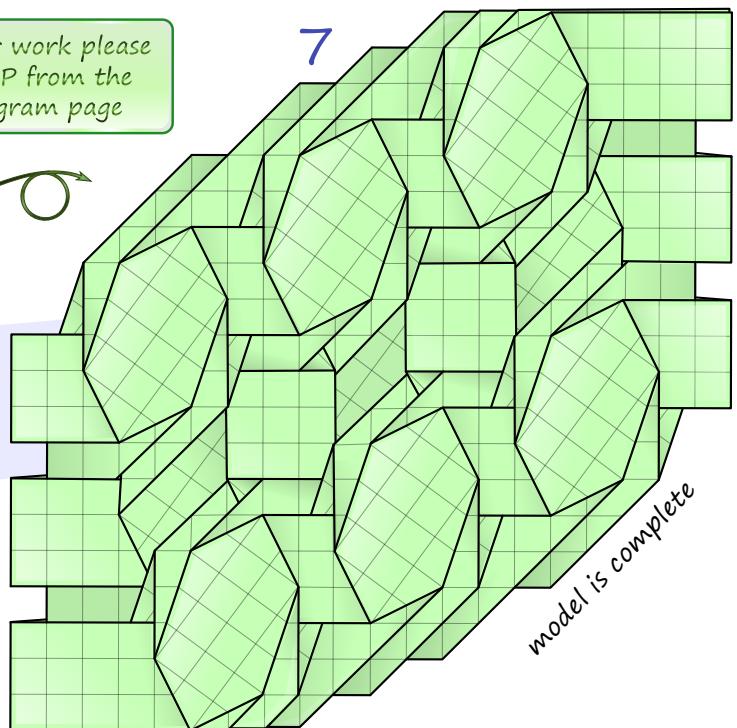
the missing creases of the CP
are located on the grid lines

for further work please
use the CP from the
first diagram page

6

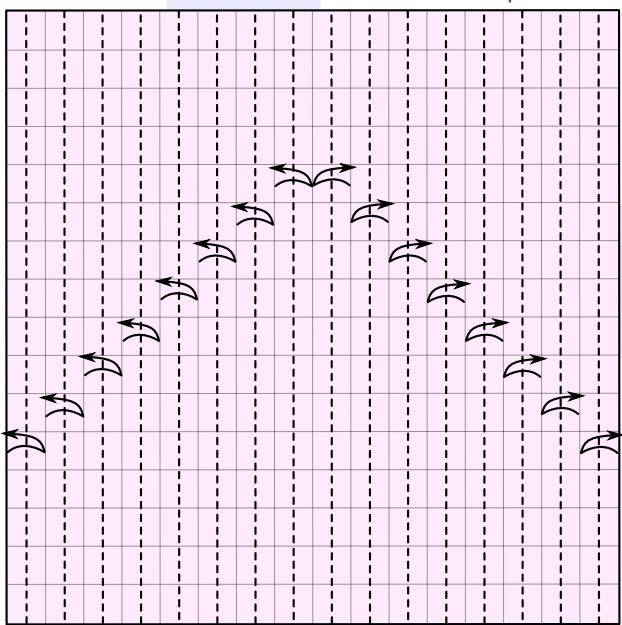


7

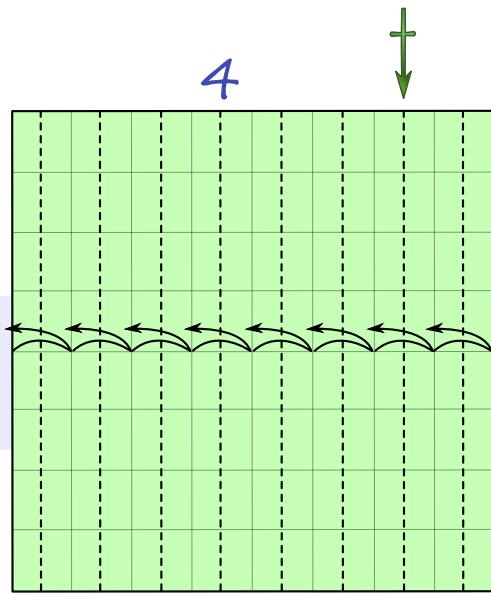


crease as shown

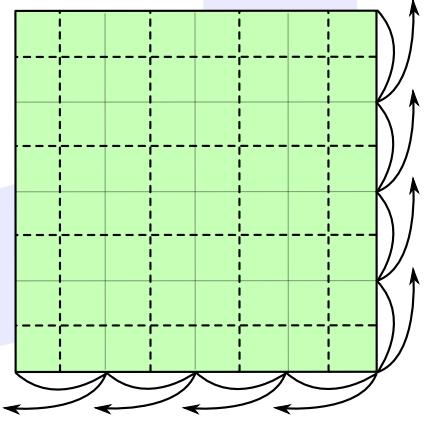
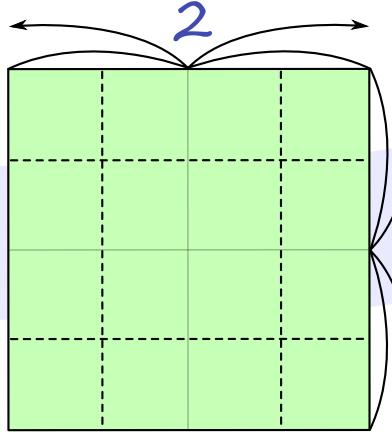
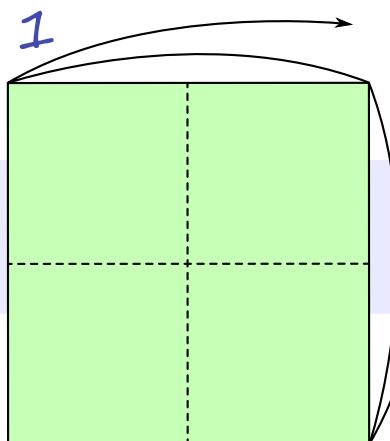
5



4



3



Task №10

Turtle

designed by Eric Joisel (France)
reconstructed by Andrey Ermakov

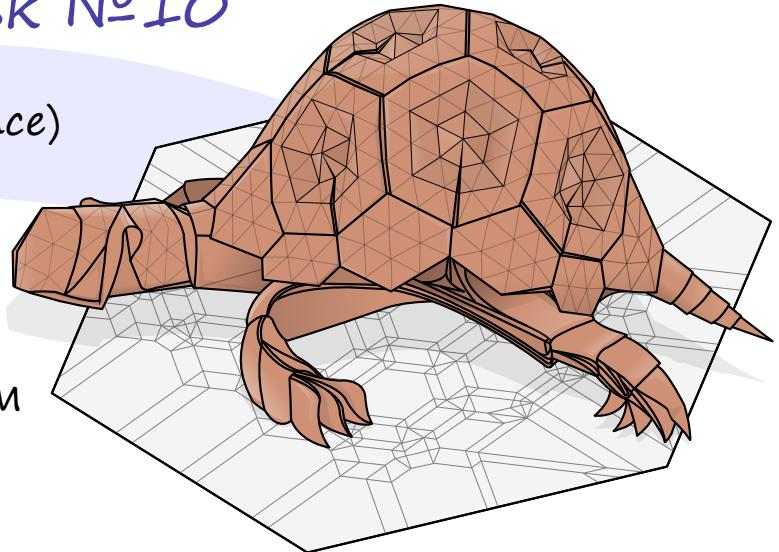
Difficulty: *****

Paper: 50-60 g/M²

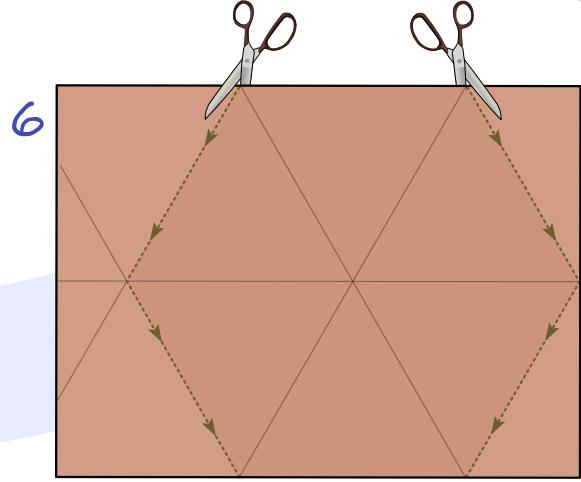
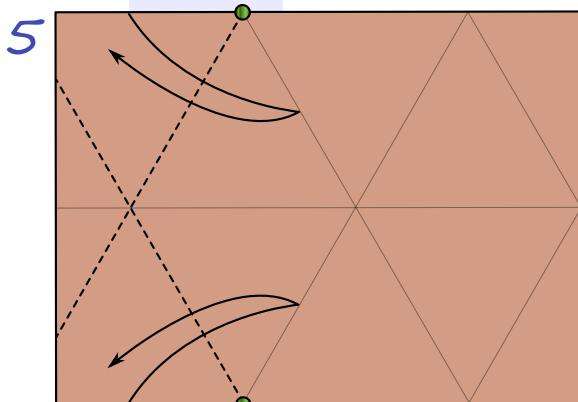
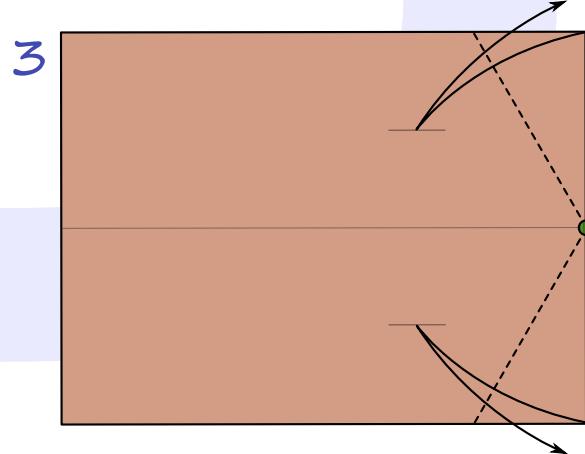
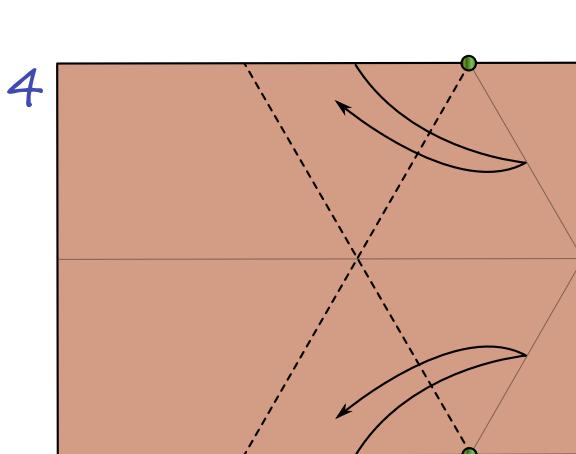
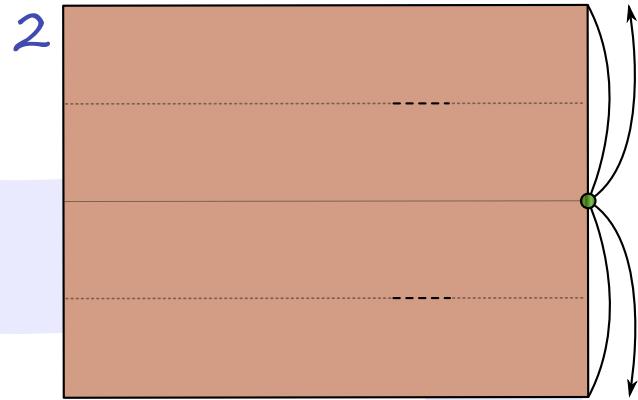
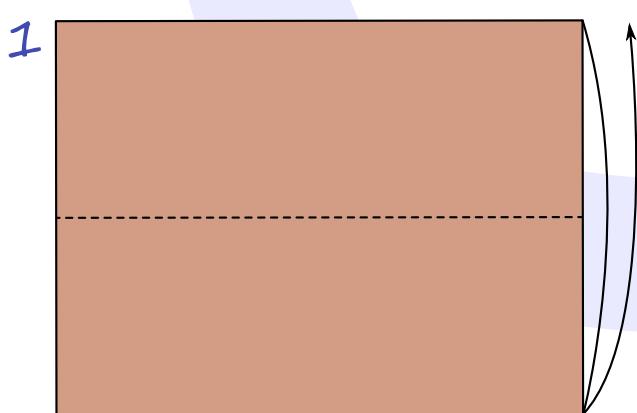
Hexagon size: 30-30-30 CM

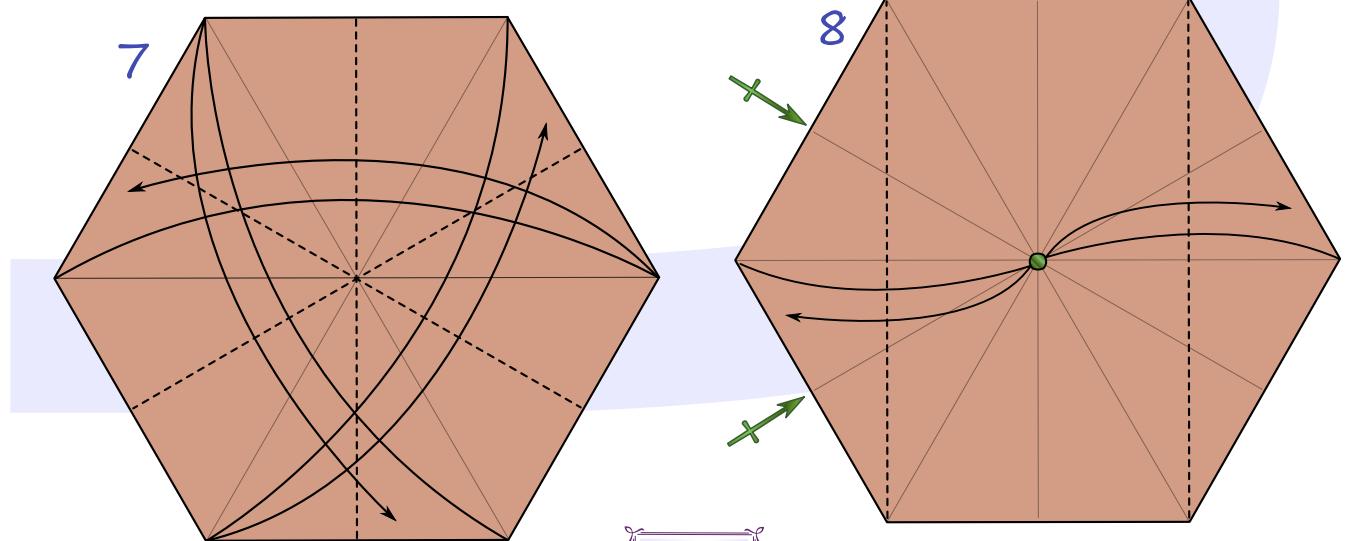
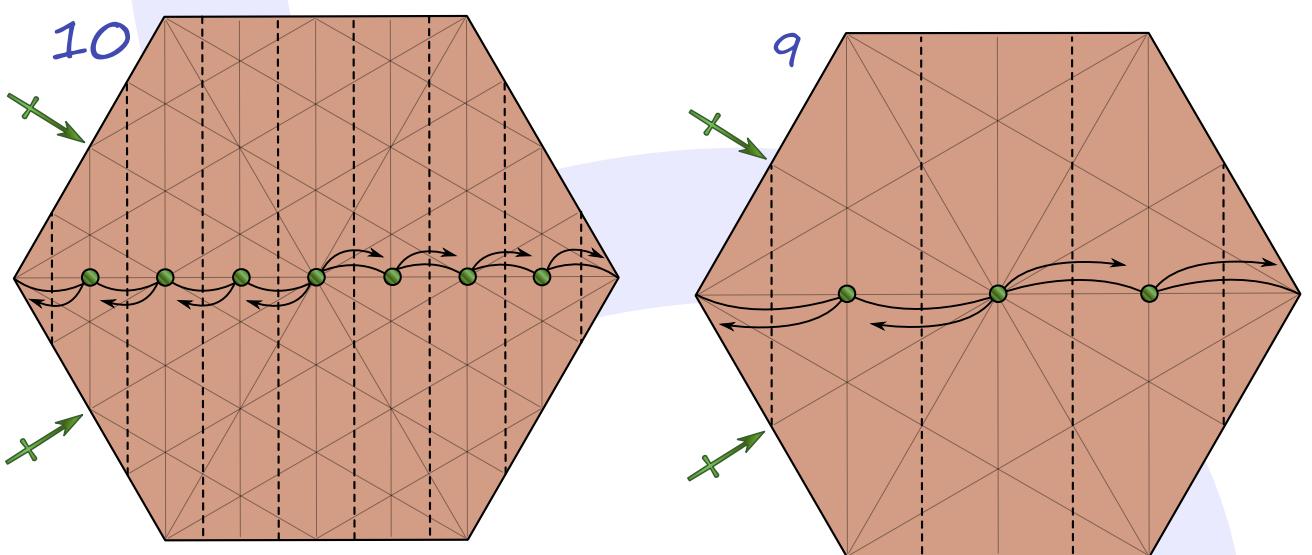
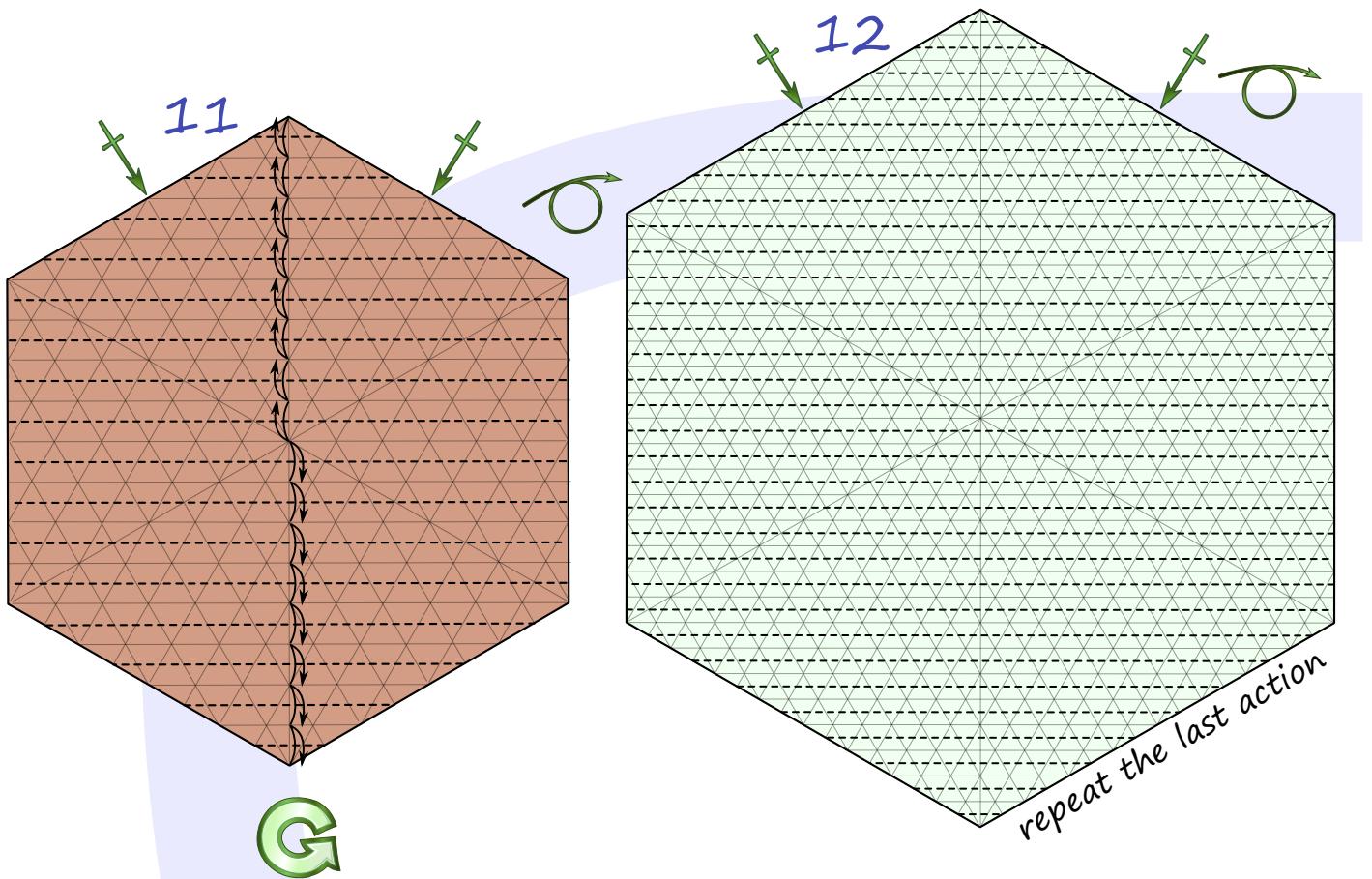
Model length: 35 CM

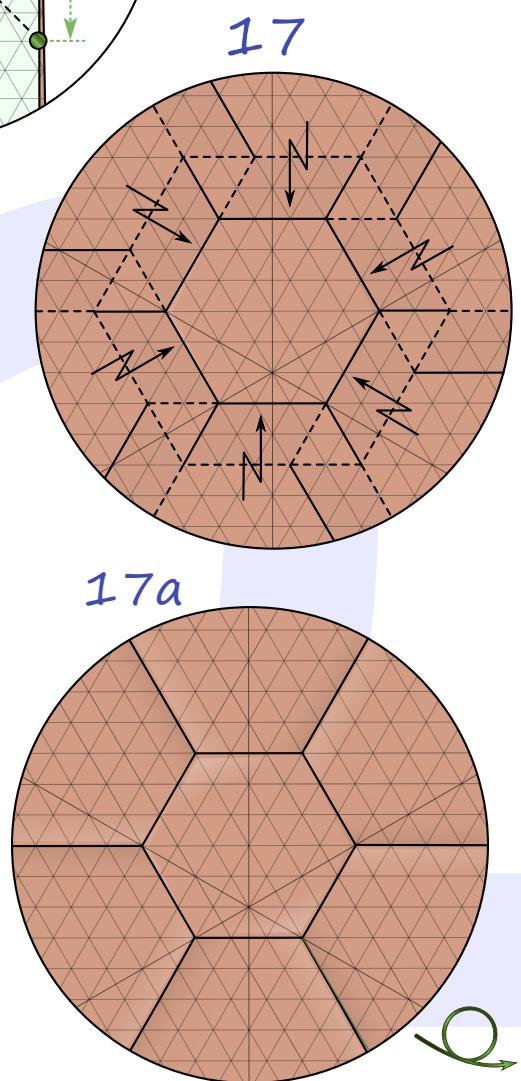
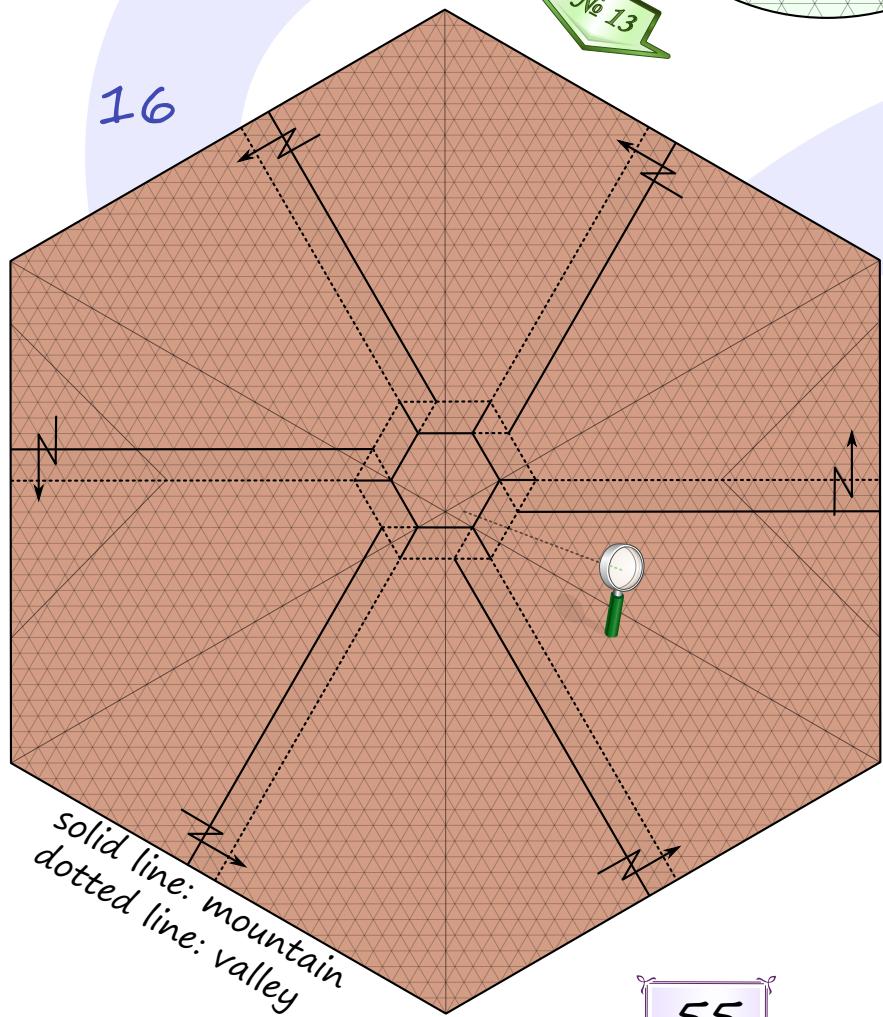
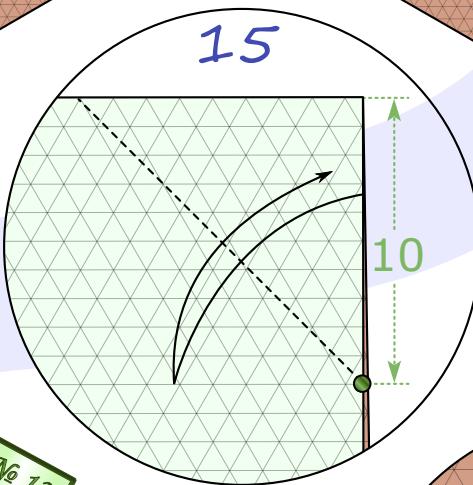
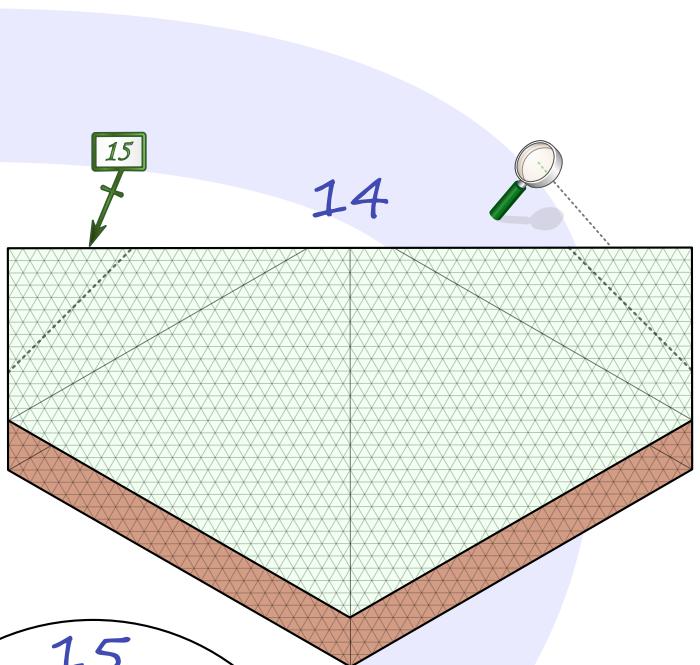
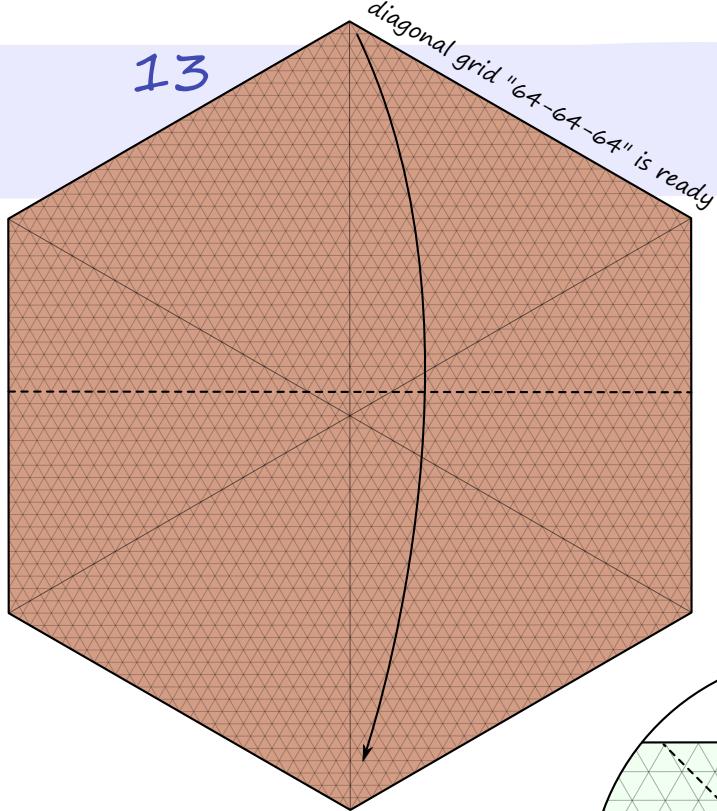
Max score: 15 points

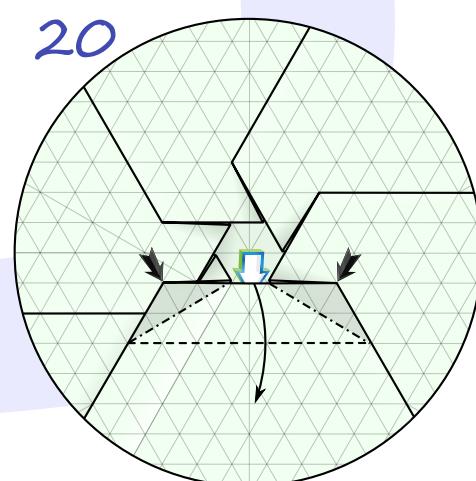
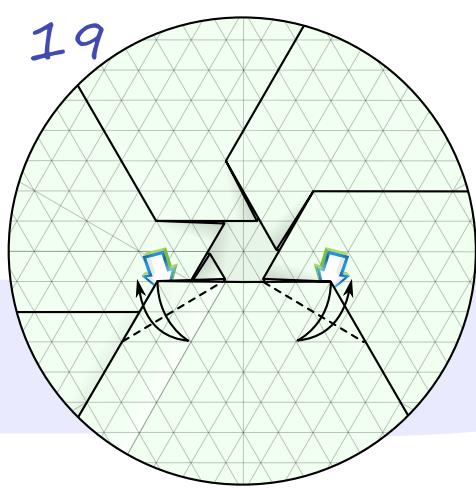
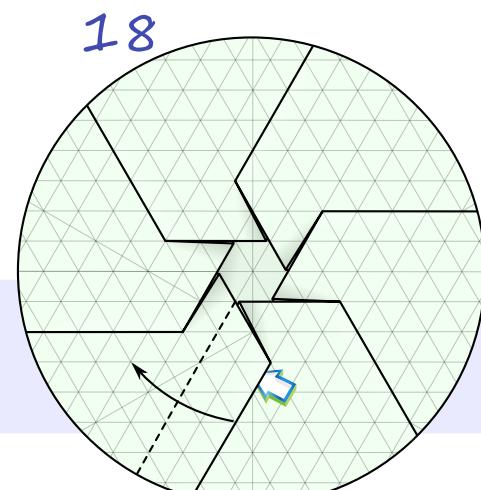
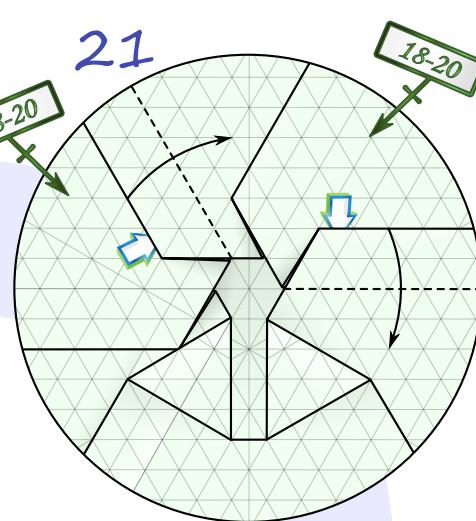
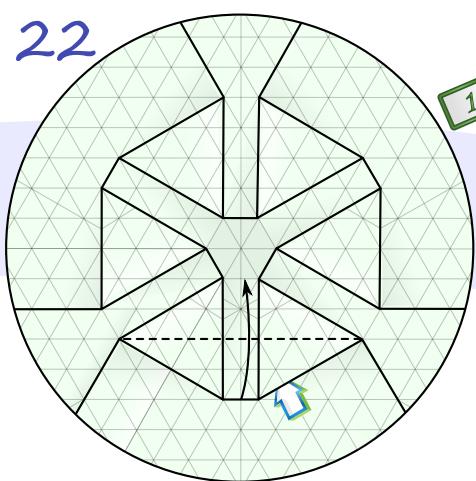
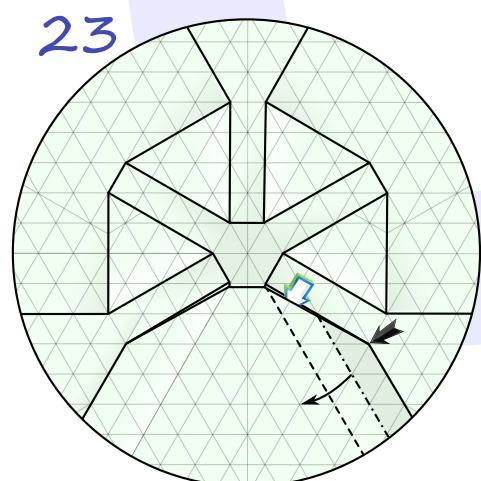
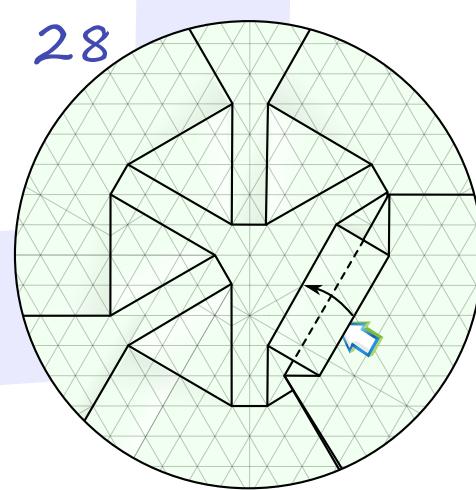
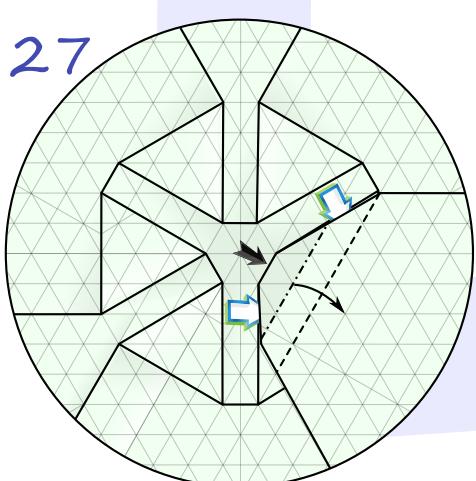
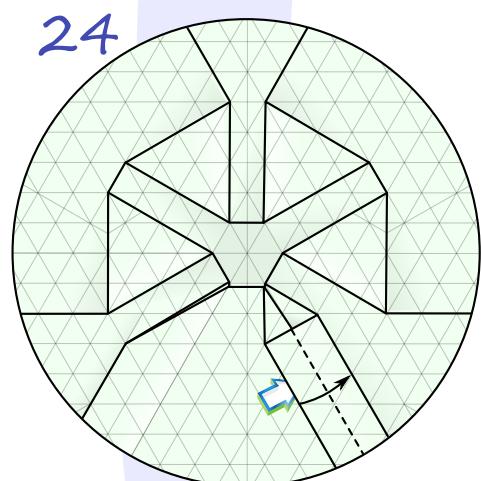
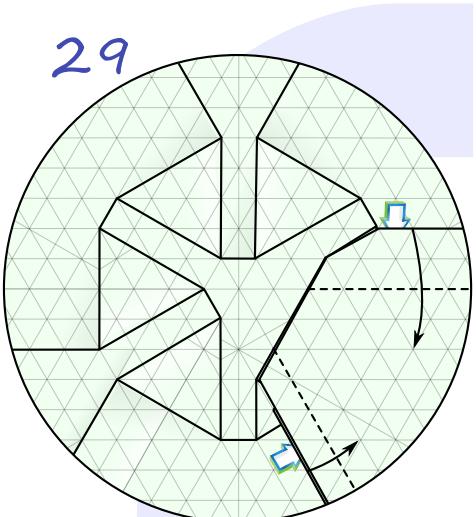
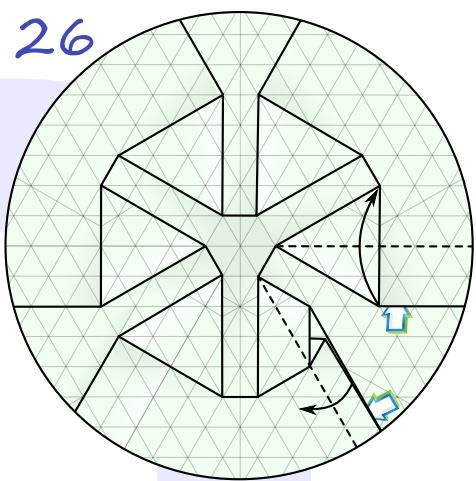
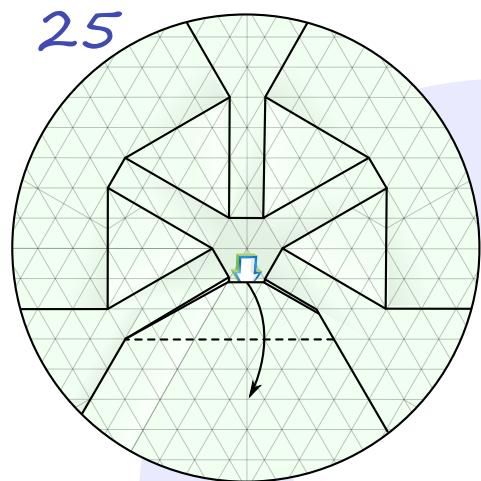


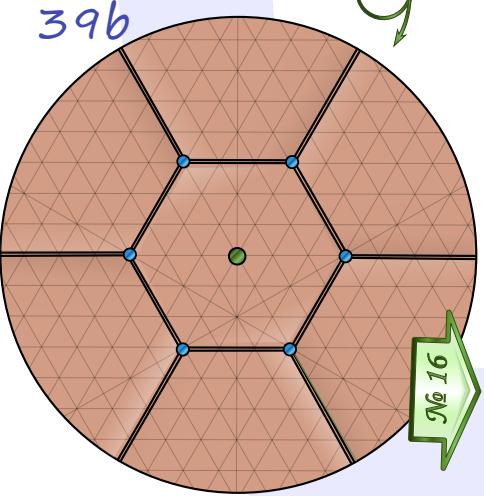
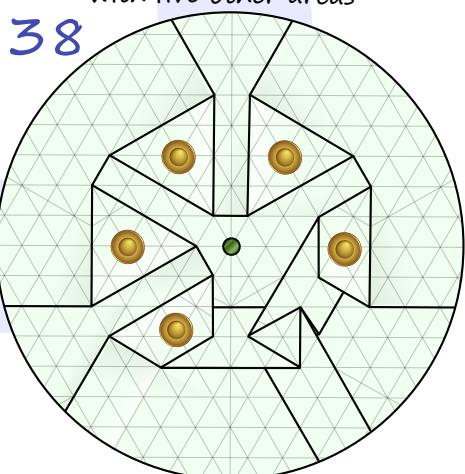
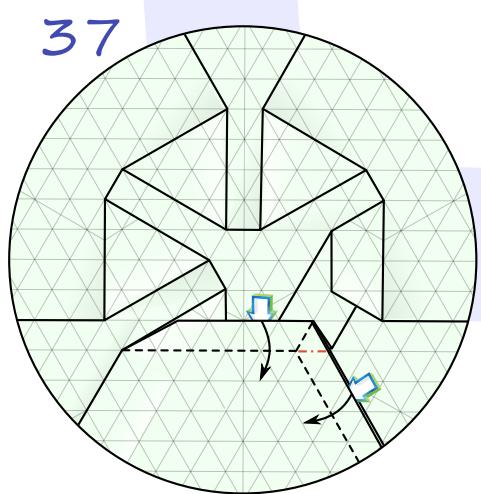
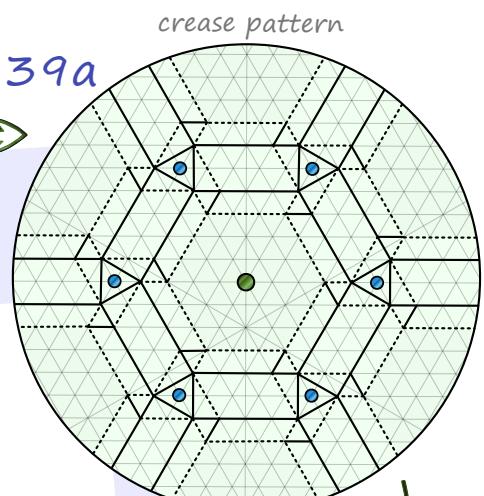
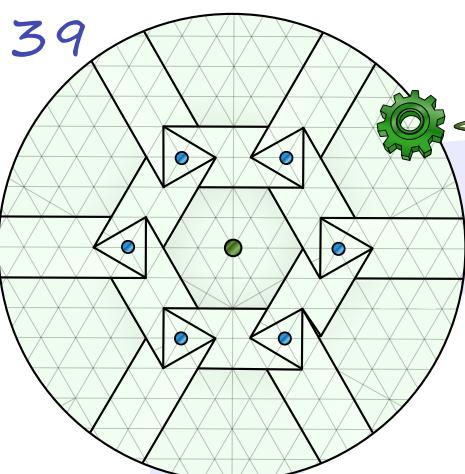
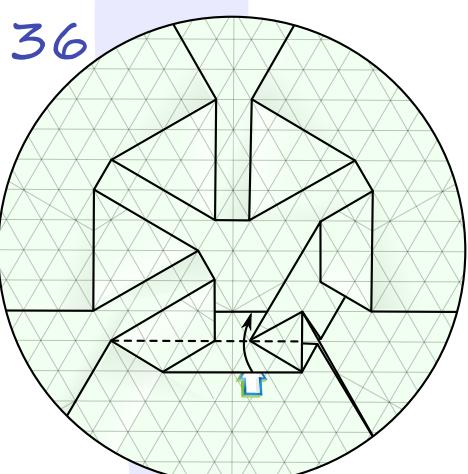
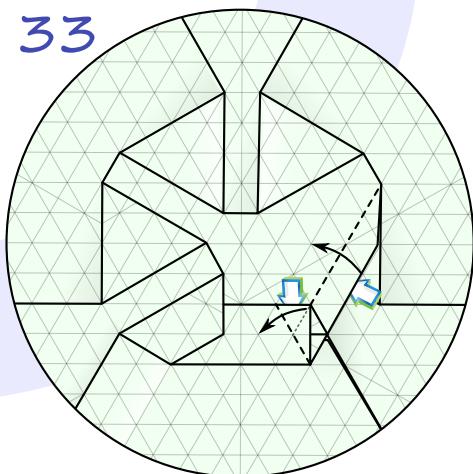
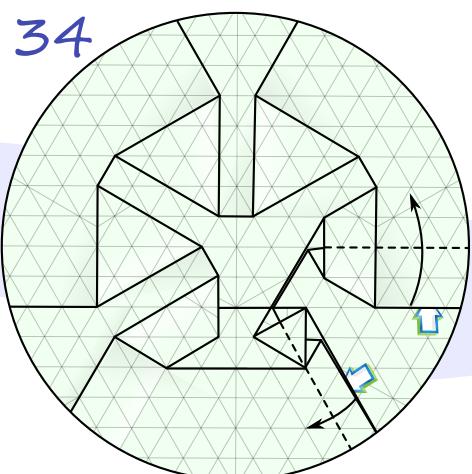
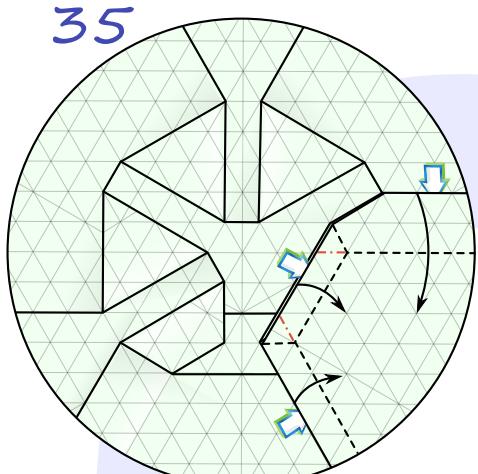
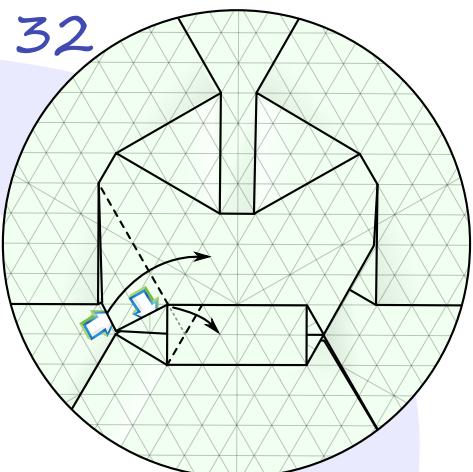
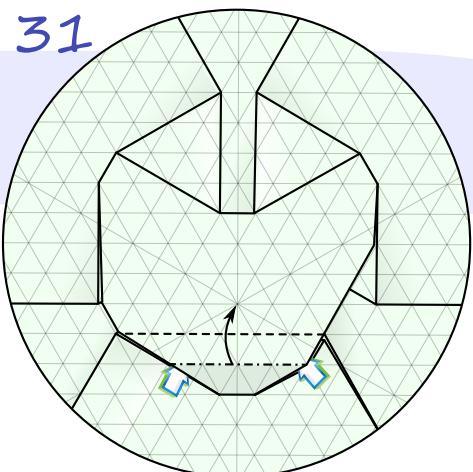
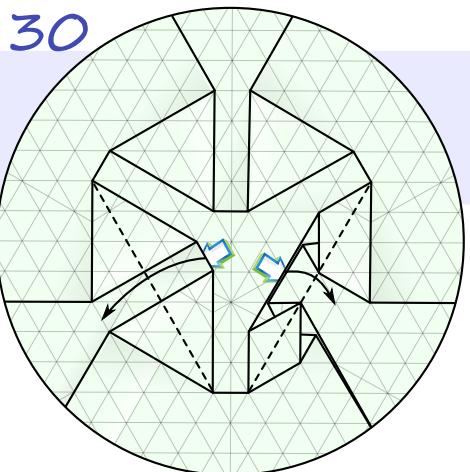
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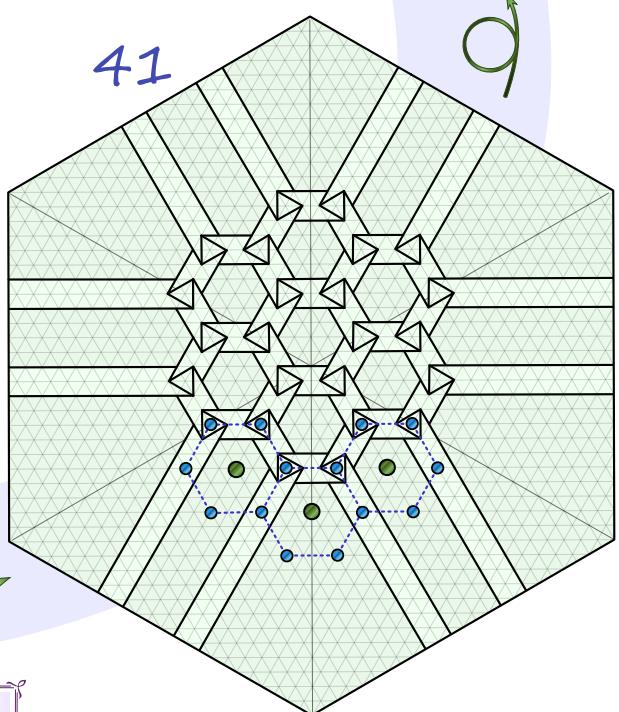
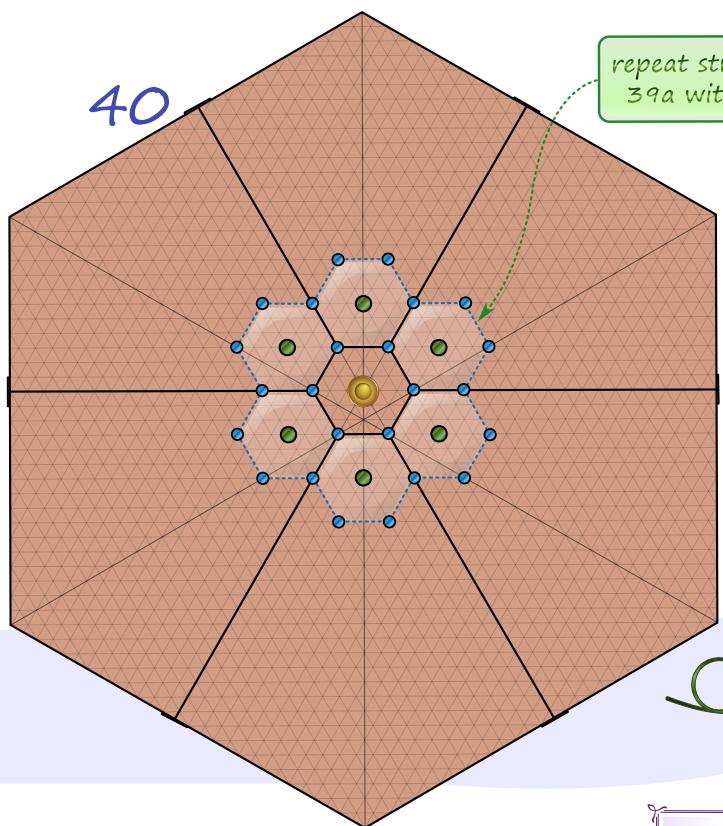
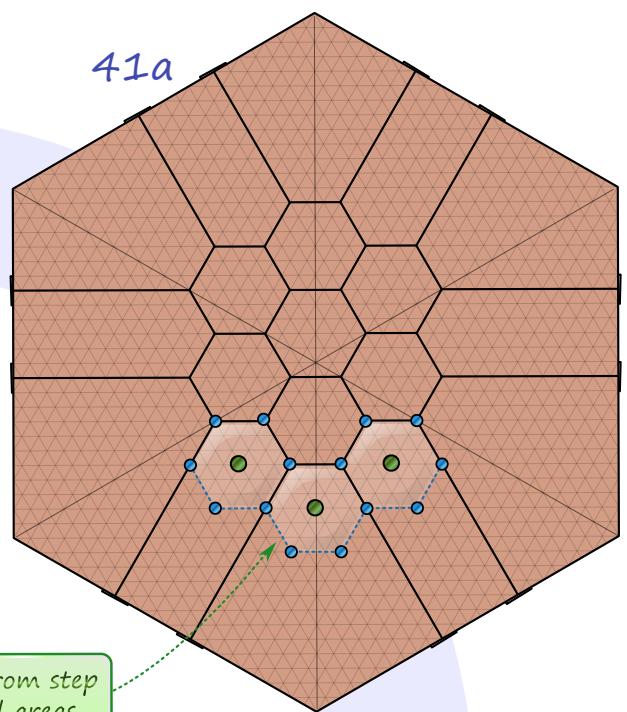
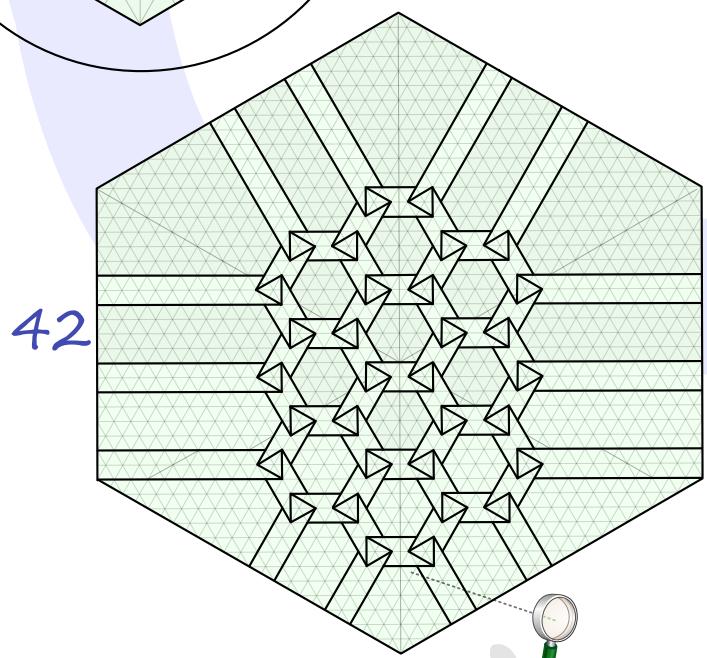
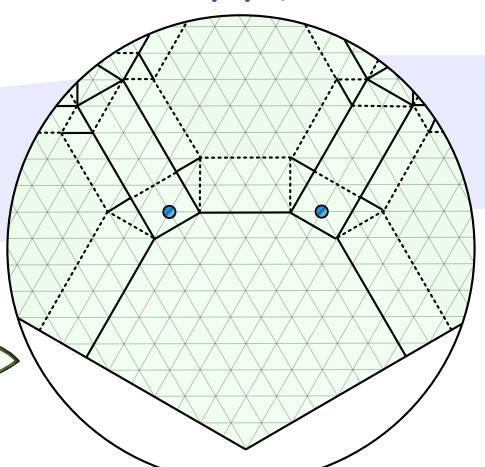
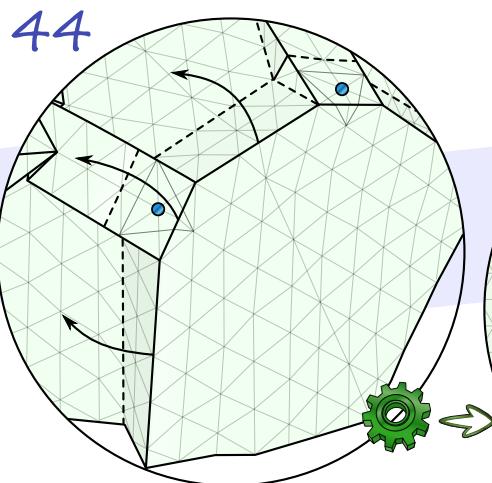
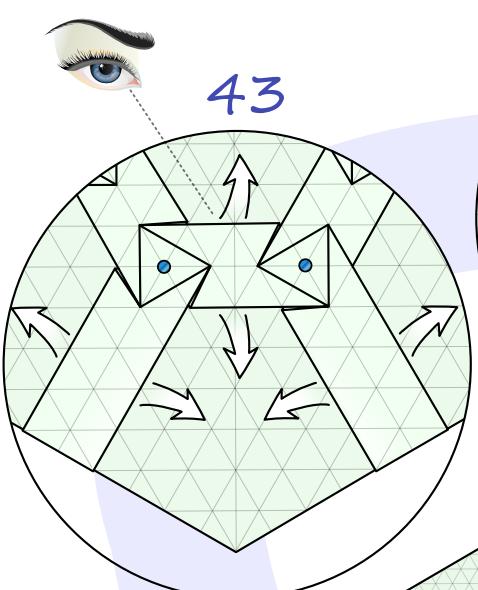




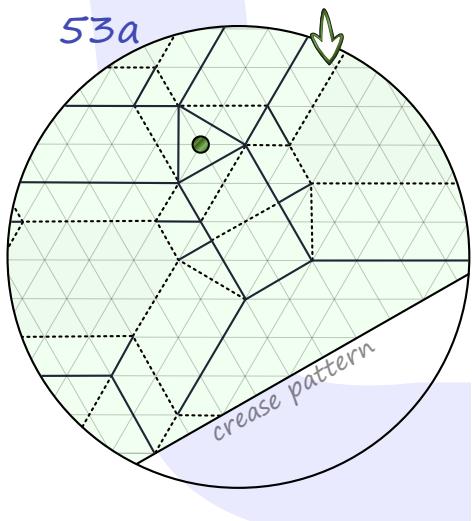
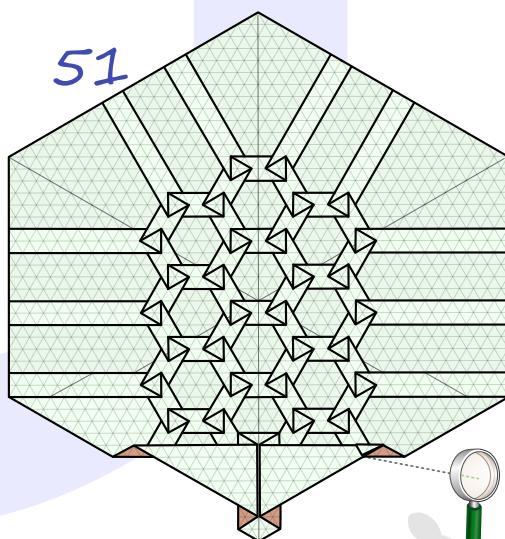
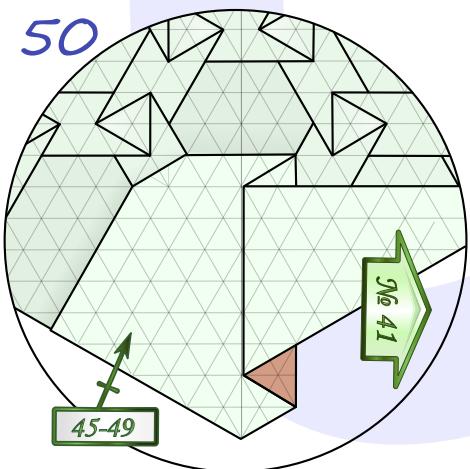
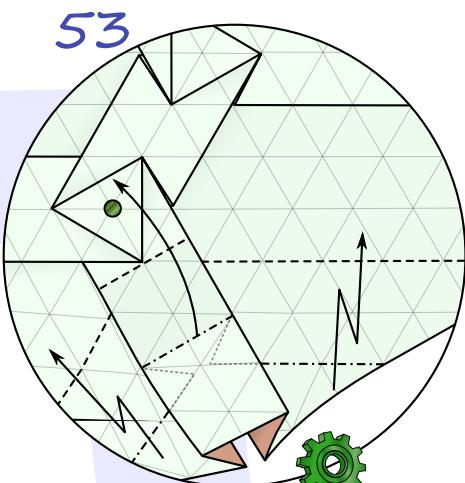
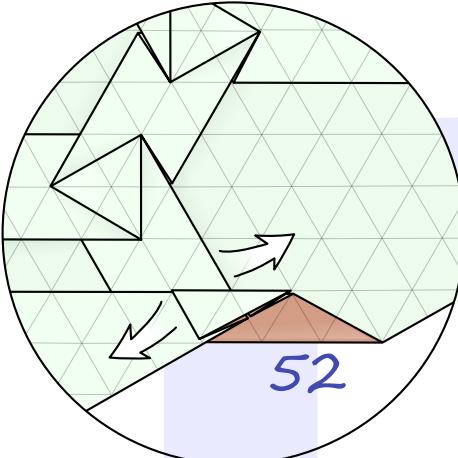
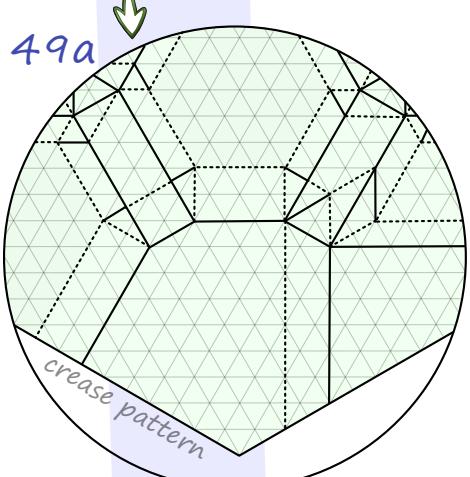
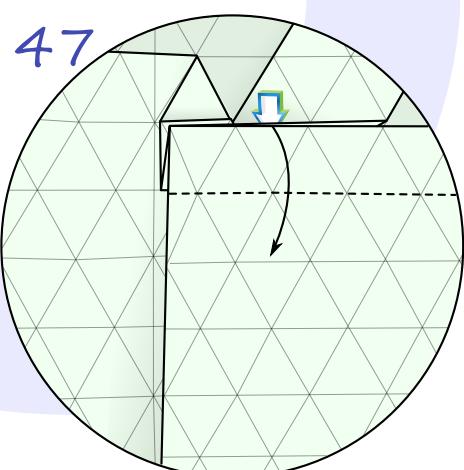
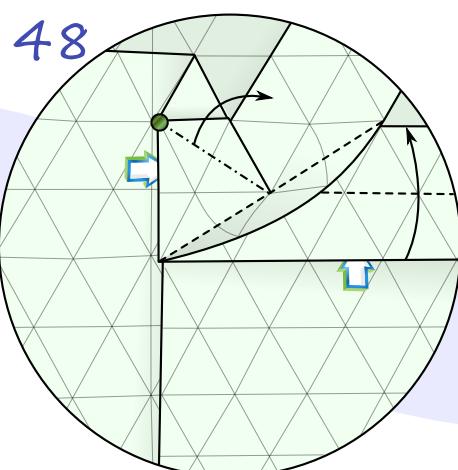
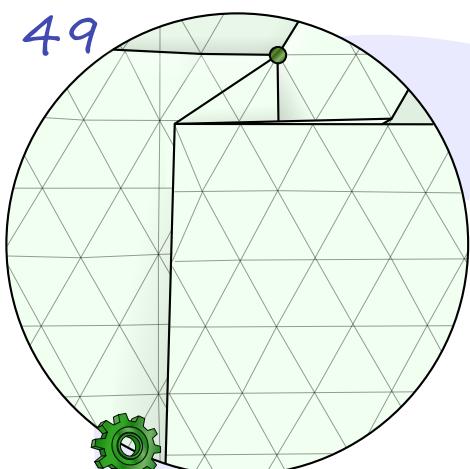
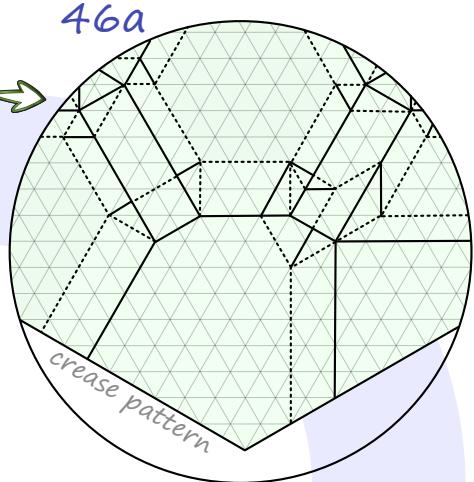
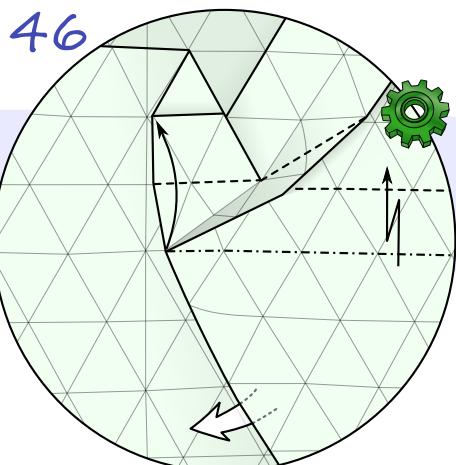
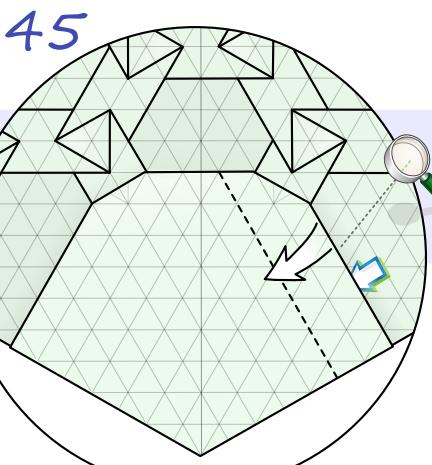


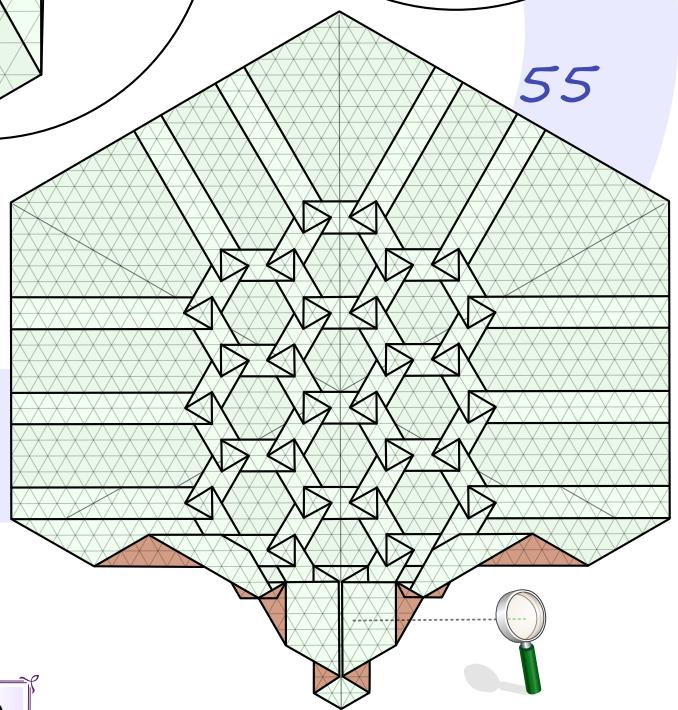
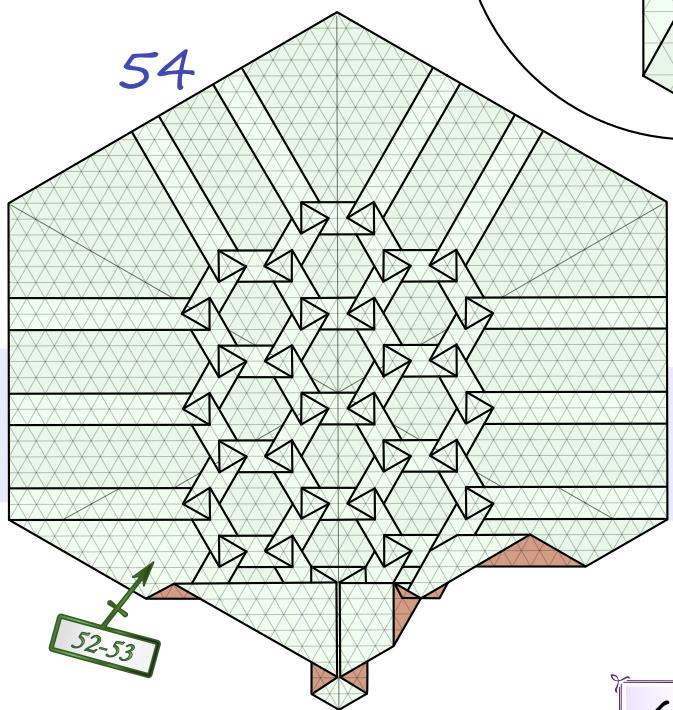
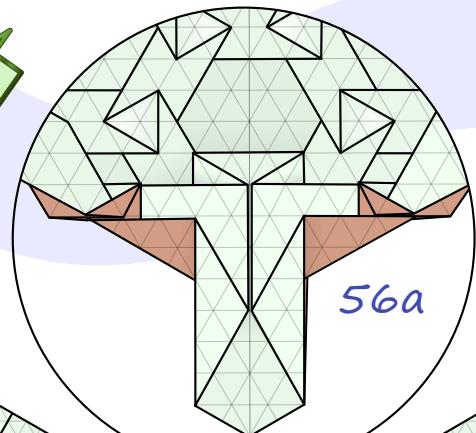
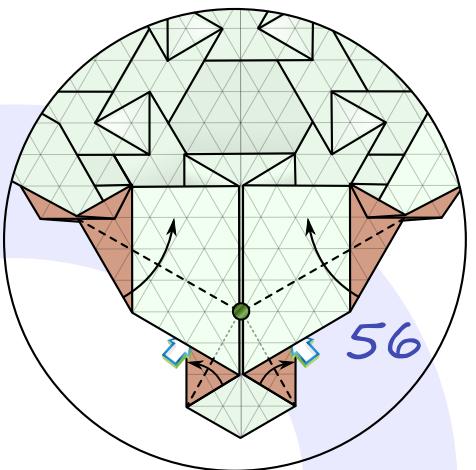
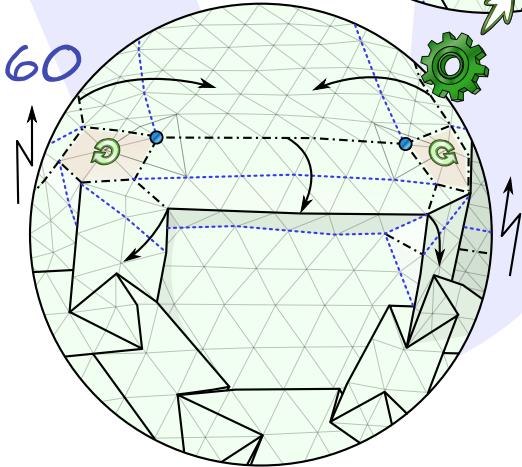
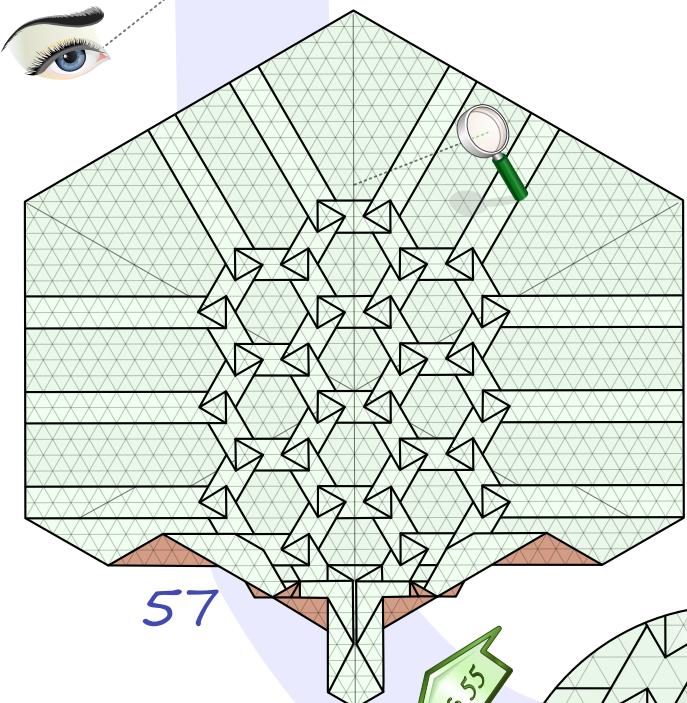
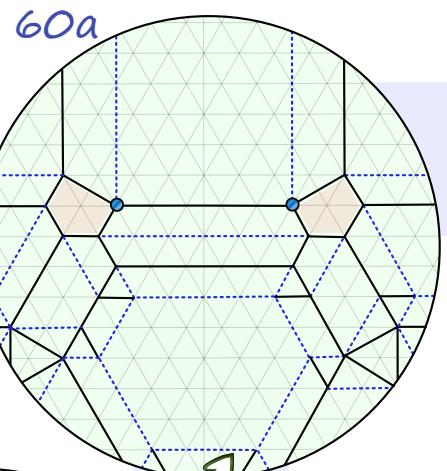
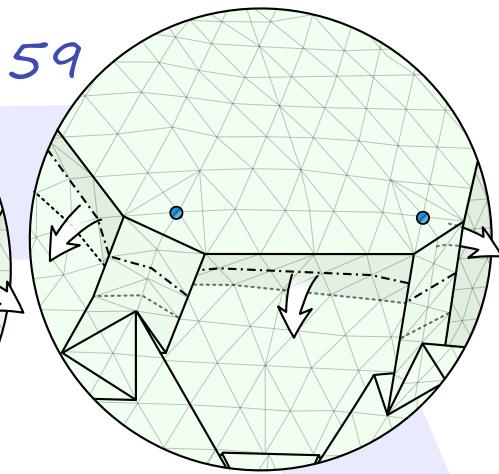
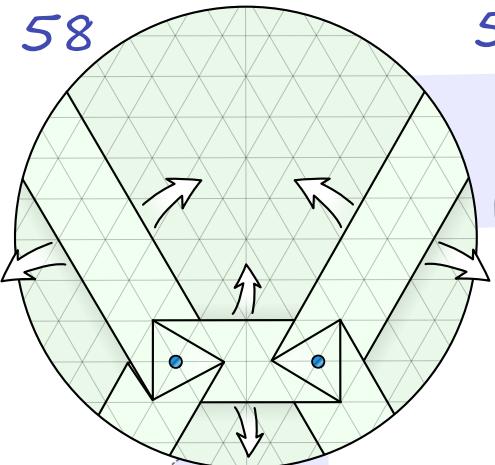


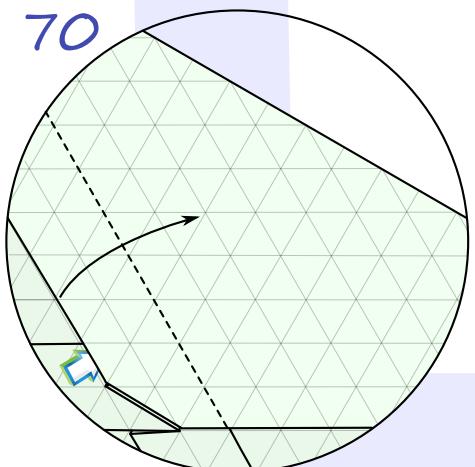
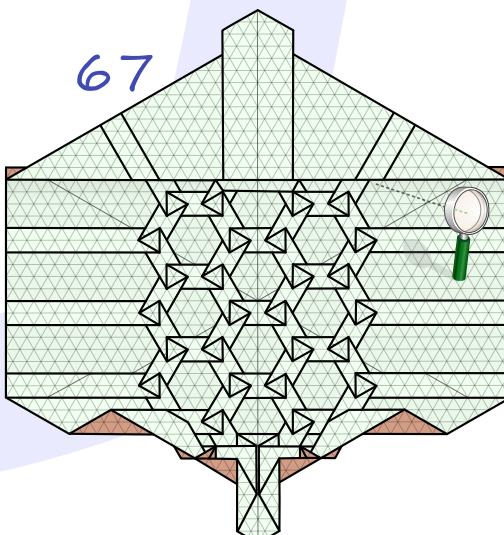
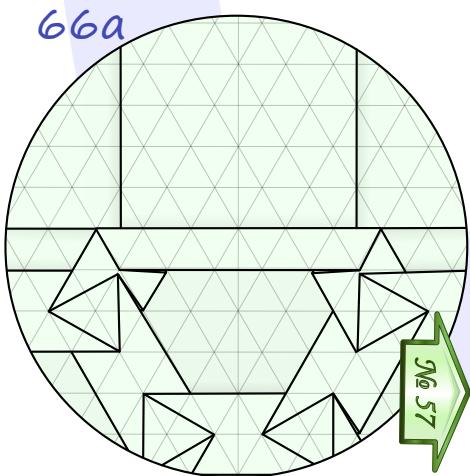
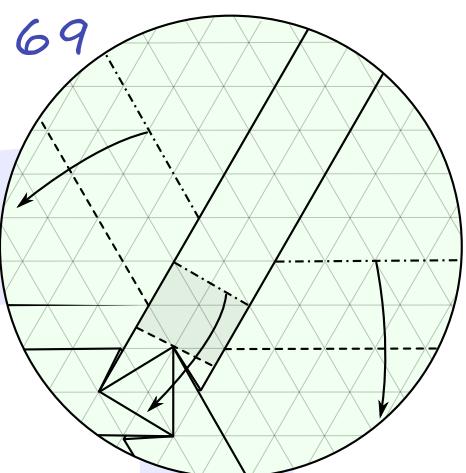
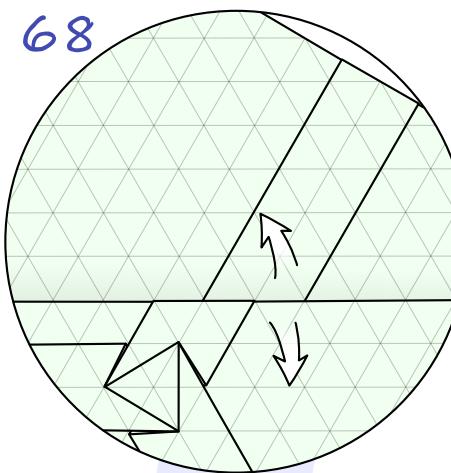
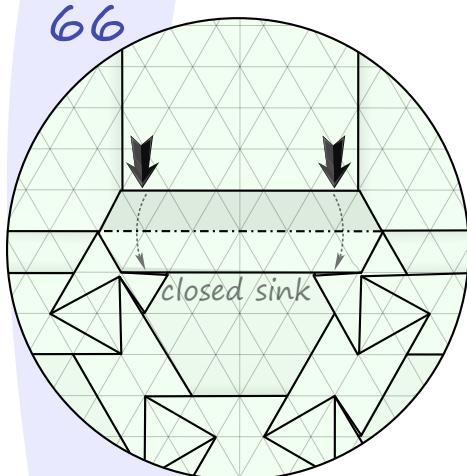
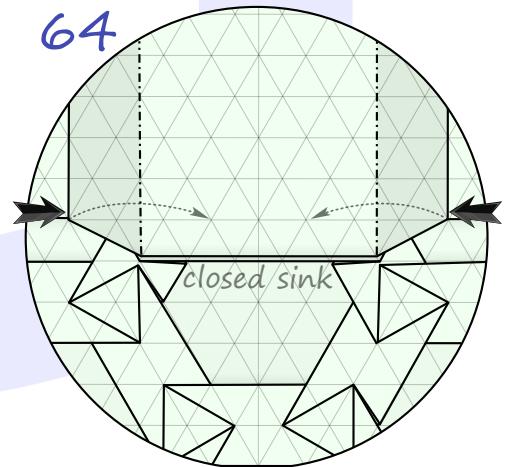
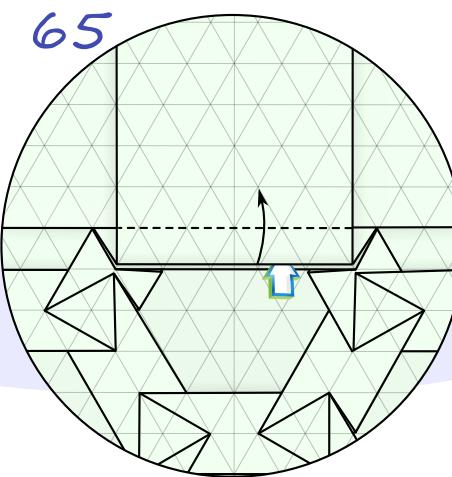
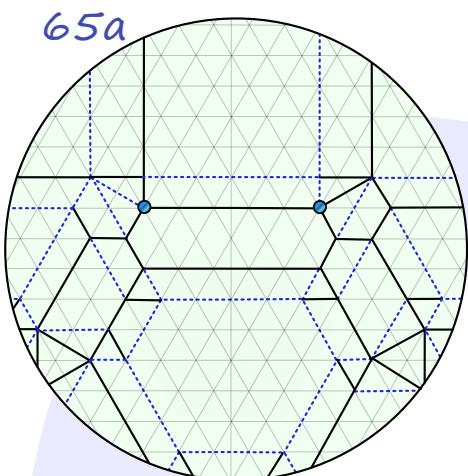
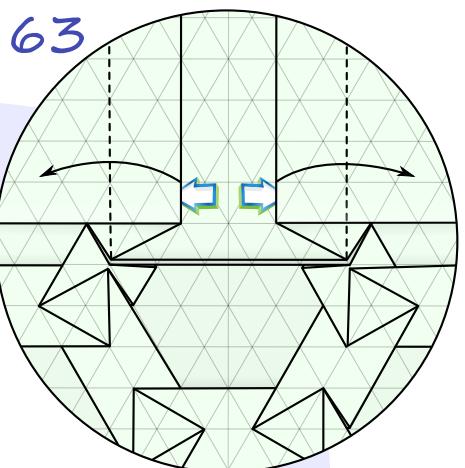
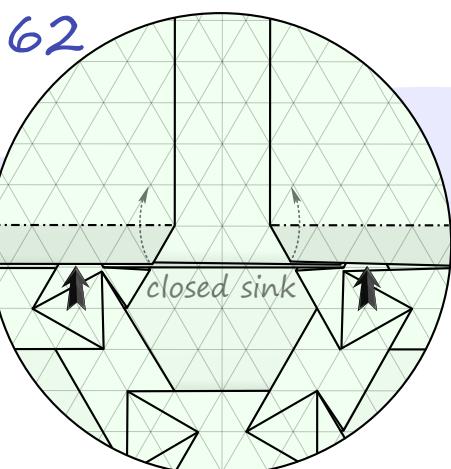
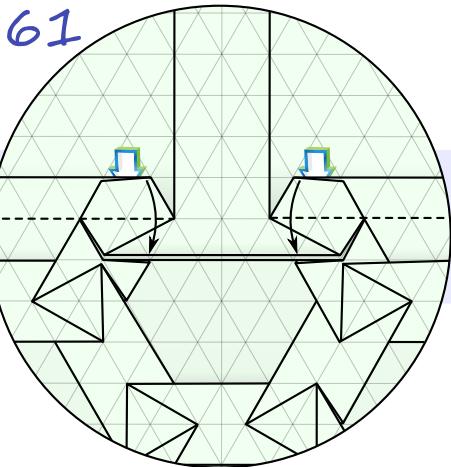


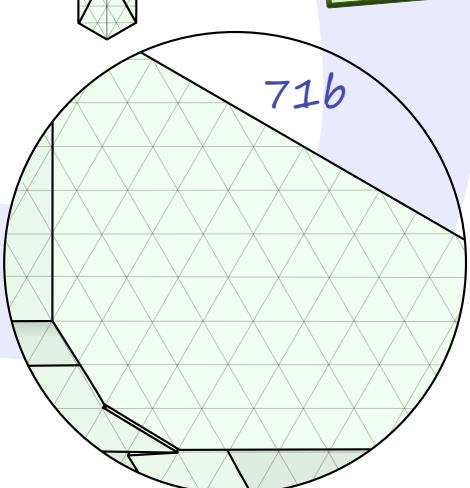
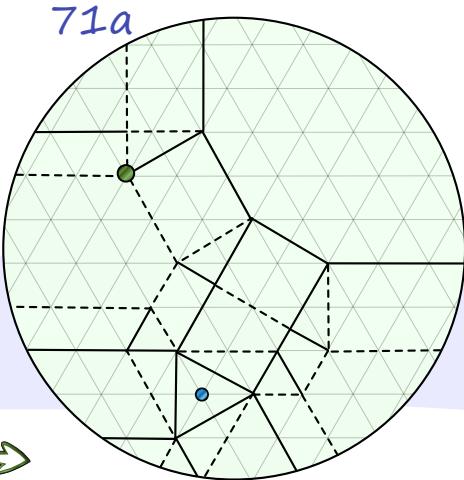
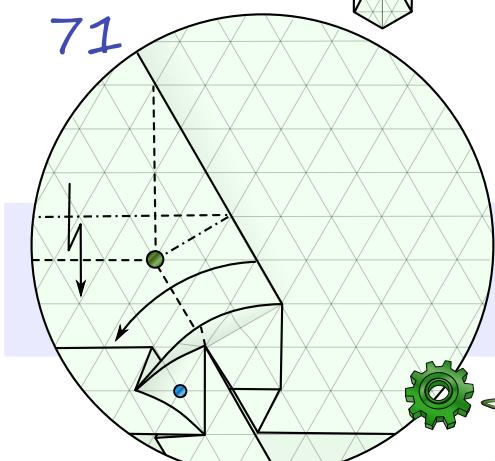
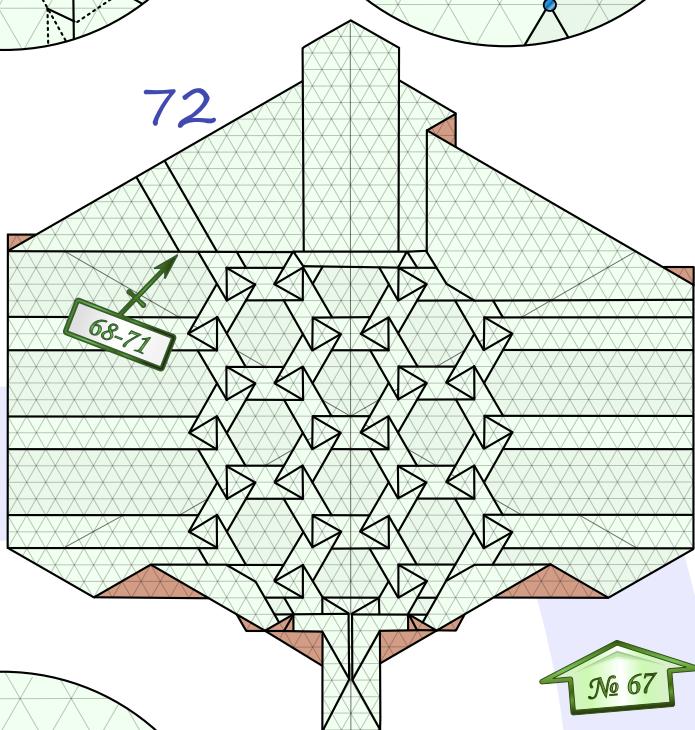
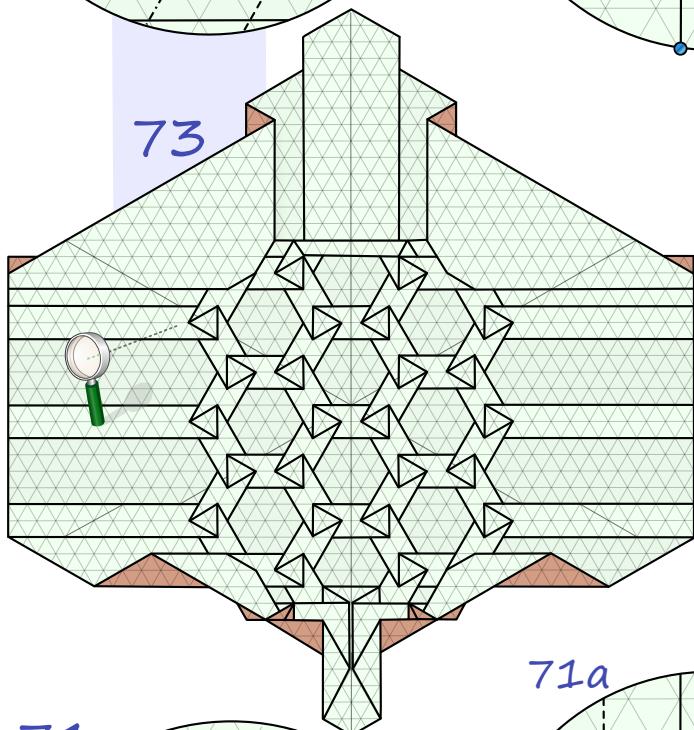
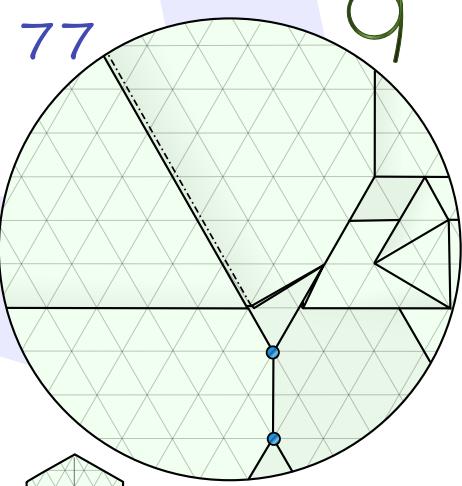
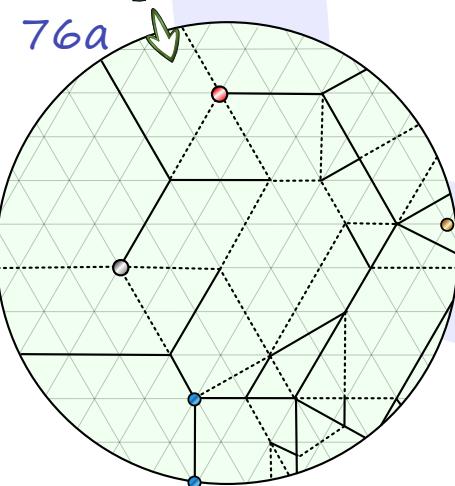
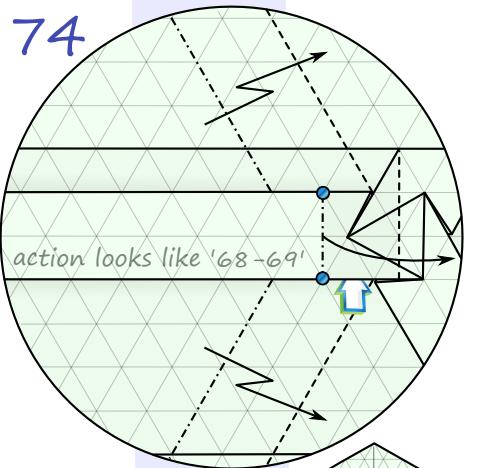
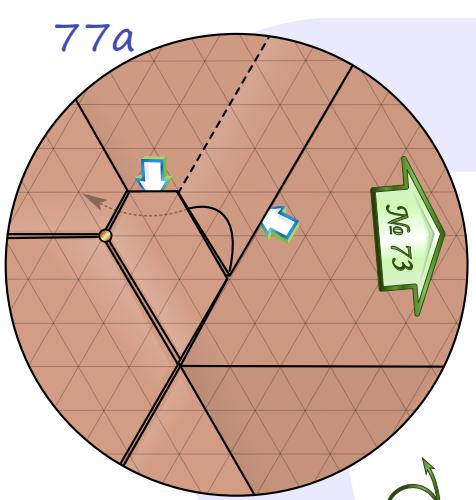
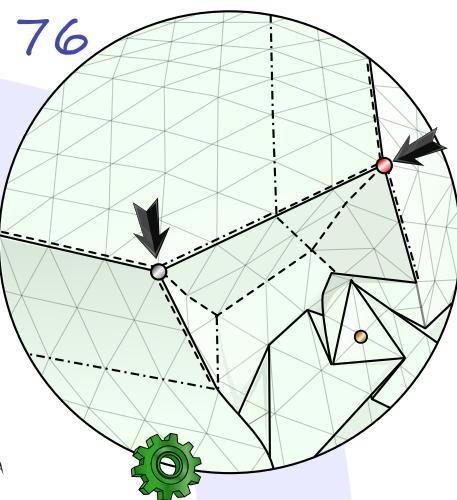
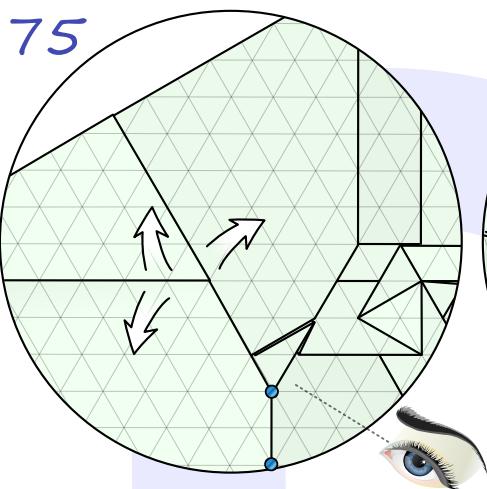


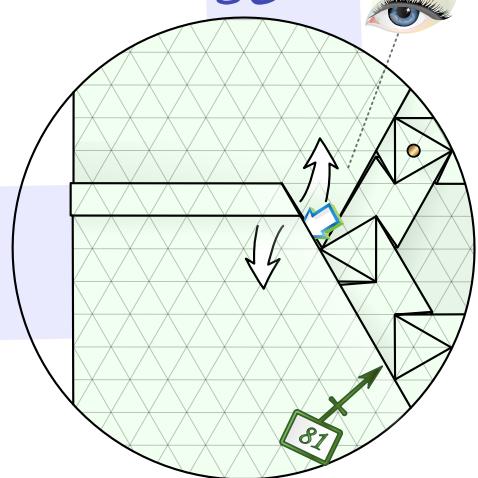
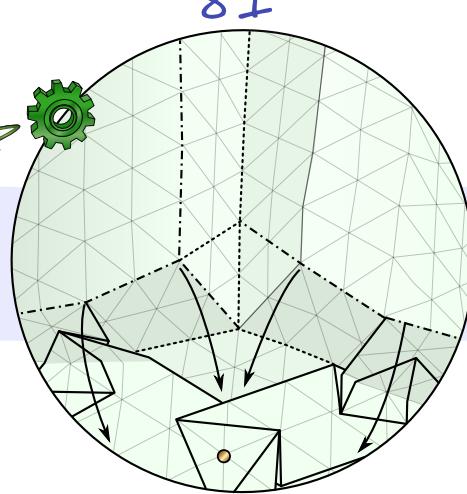
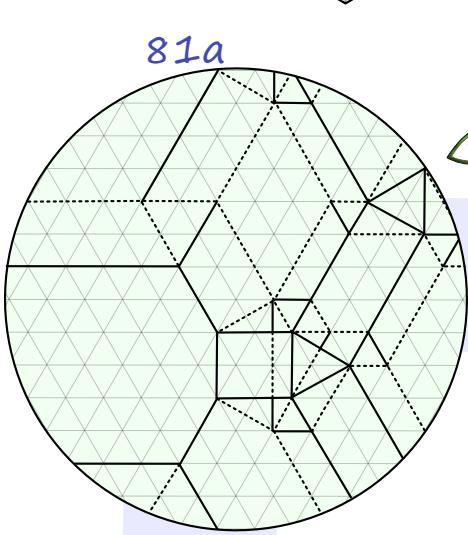
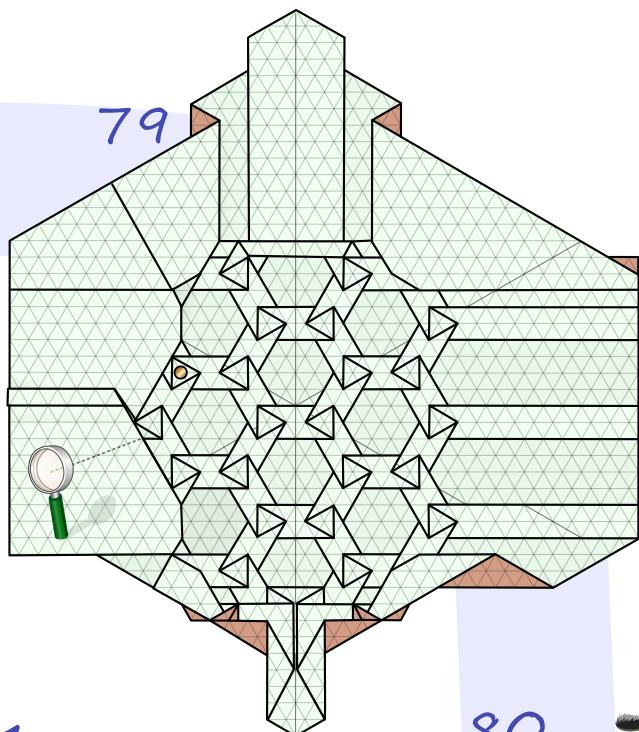
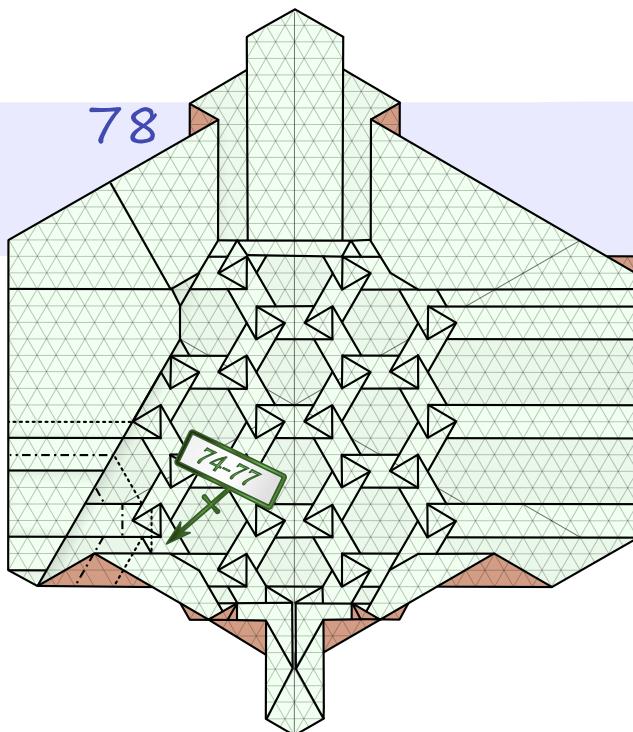
repeat structure from step
39a with selected areas



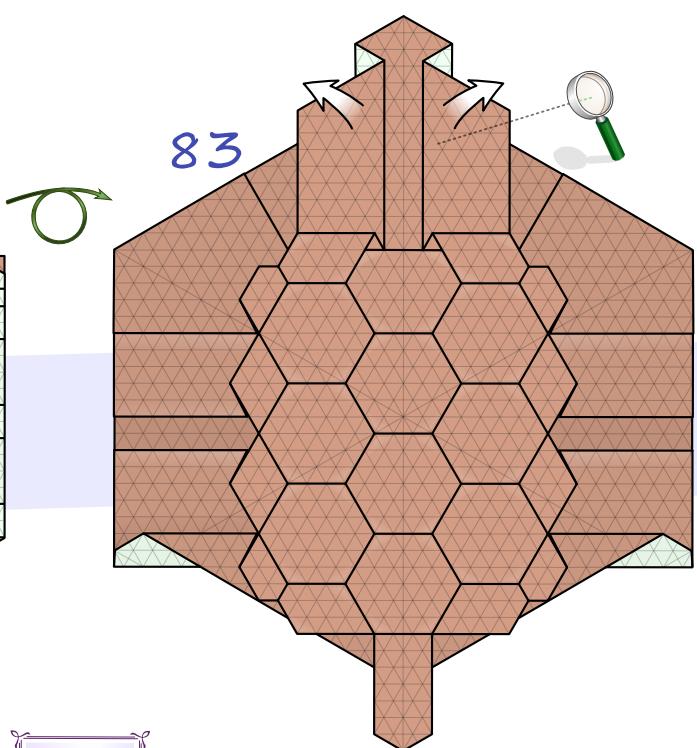
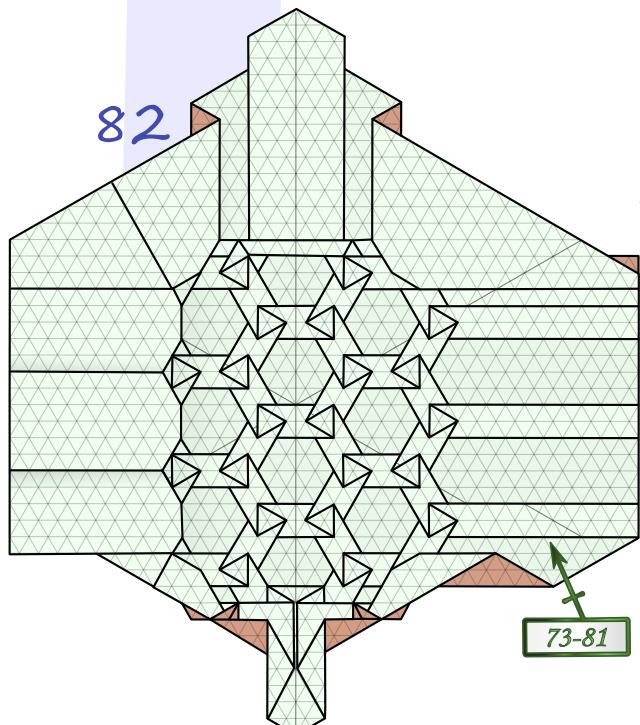


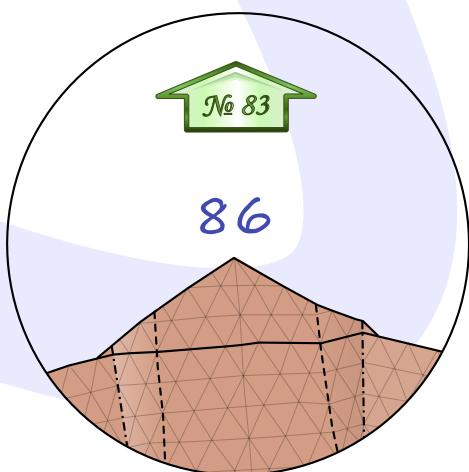
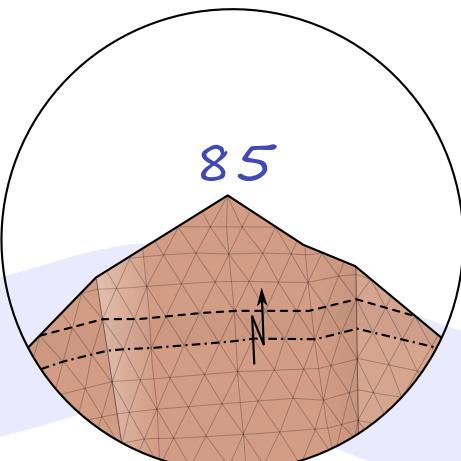
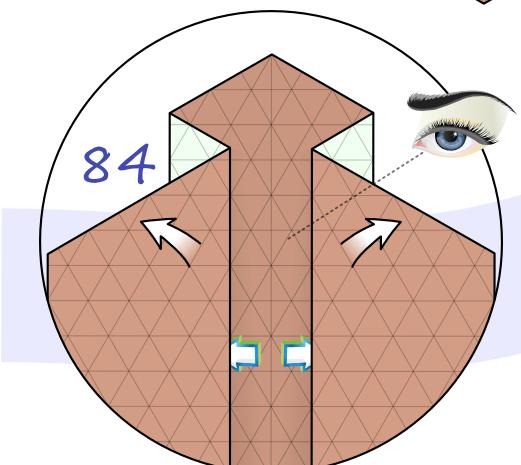
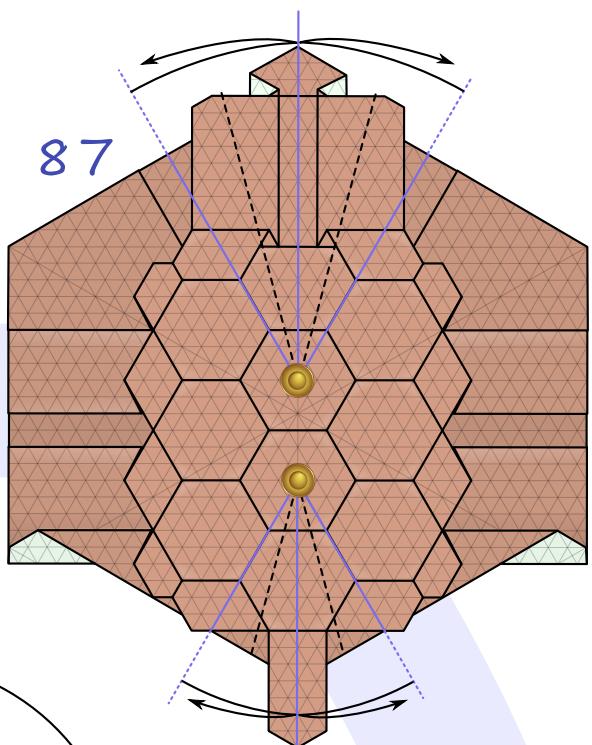
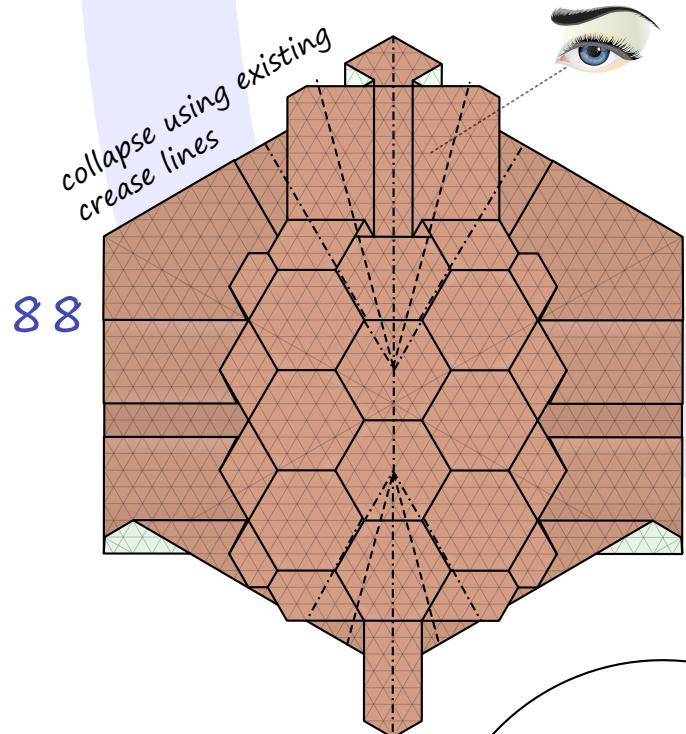
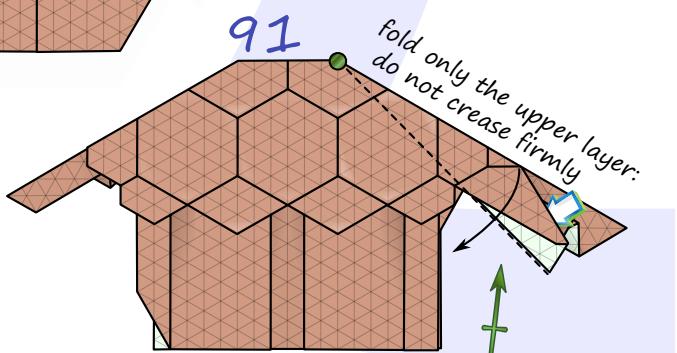
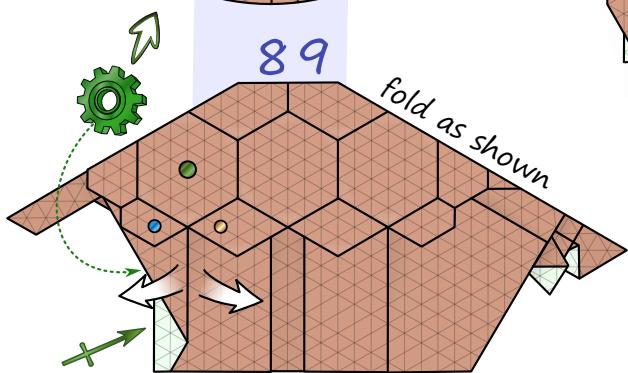
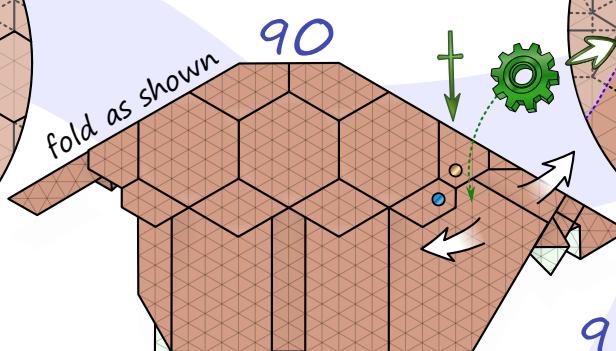
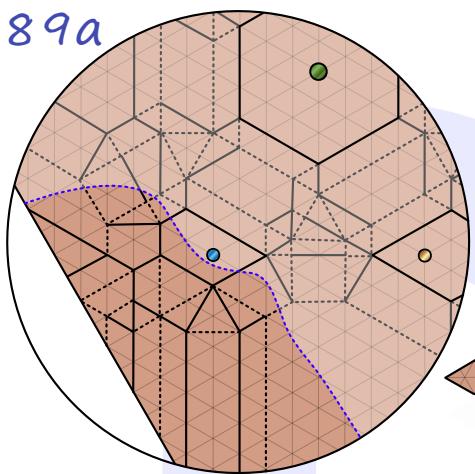


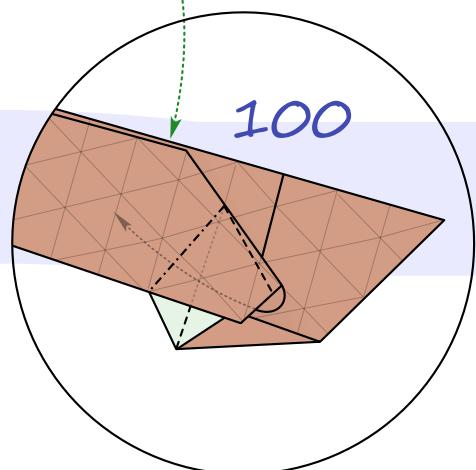
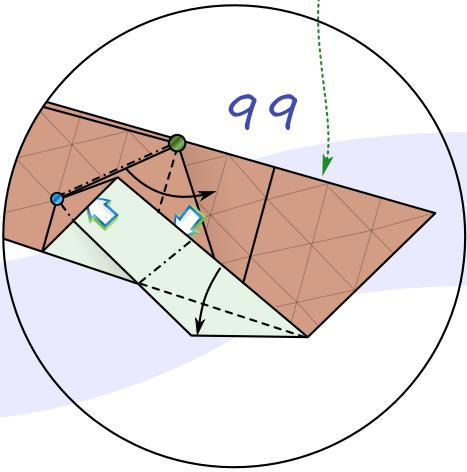
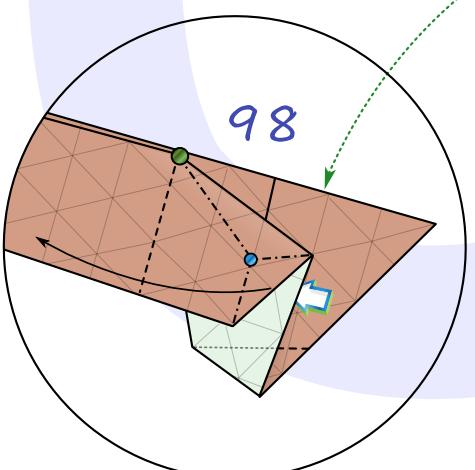
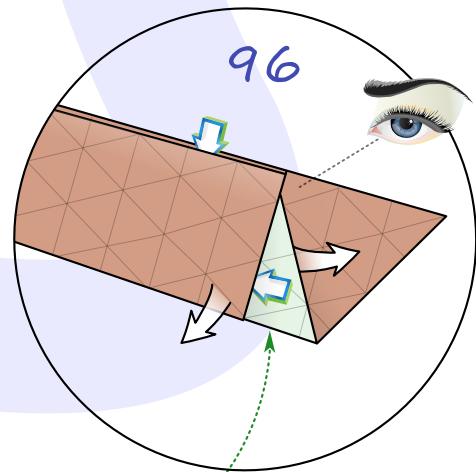
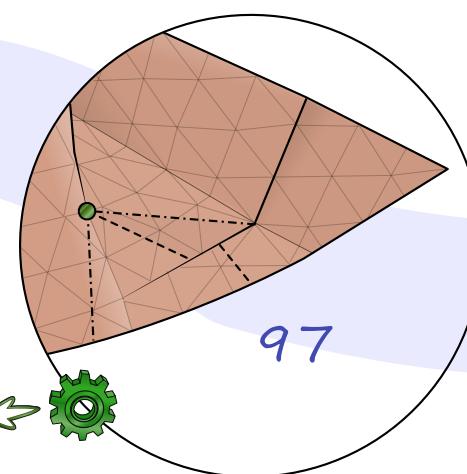
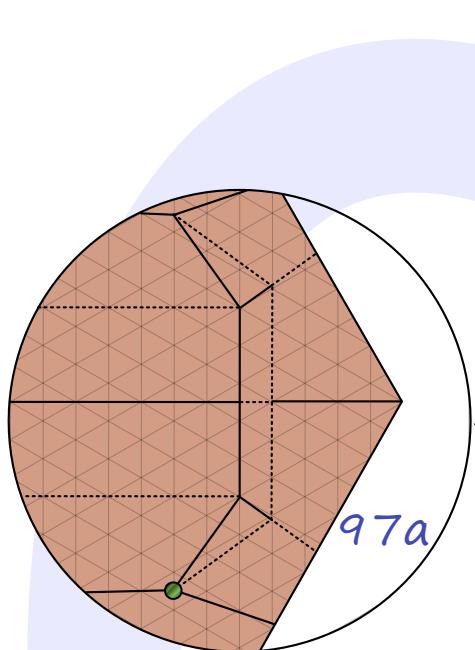
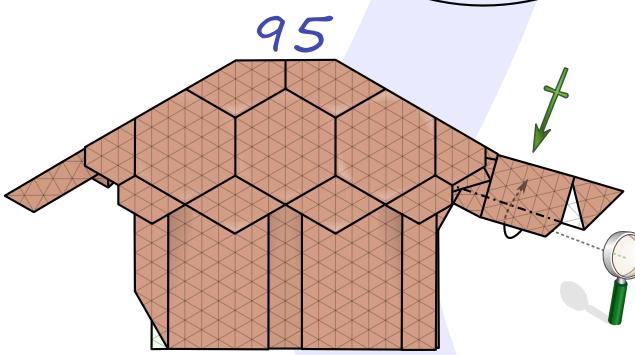
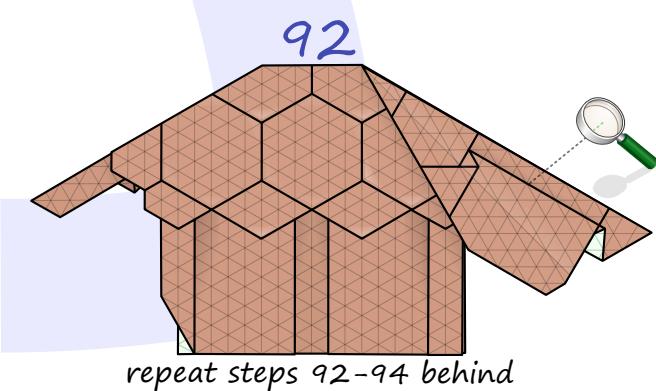
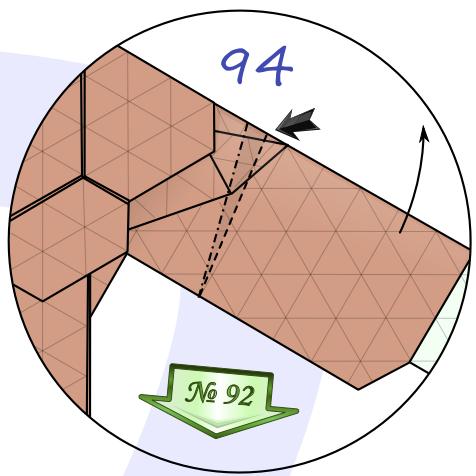
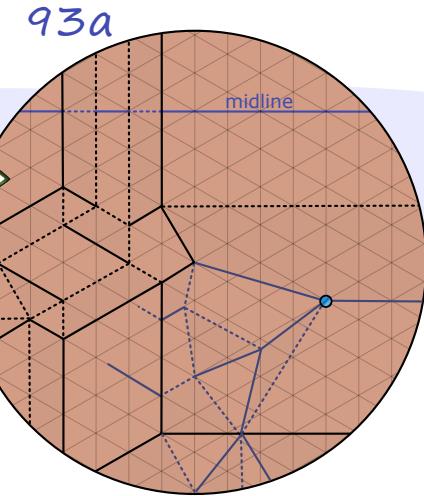
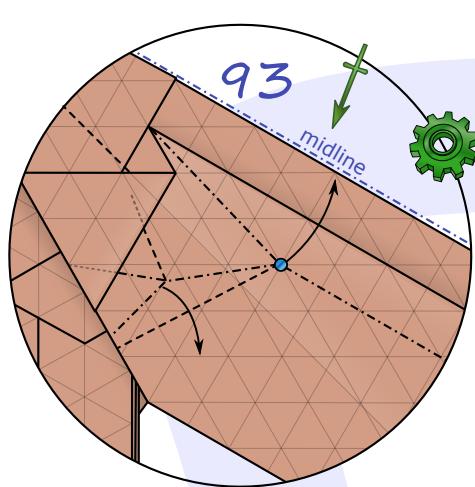


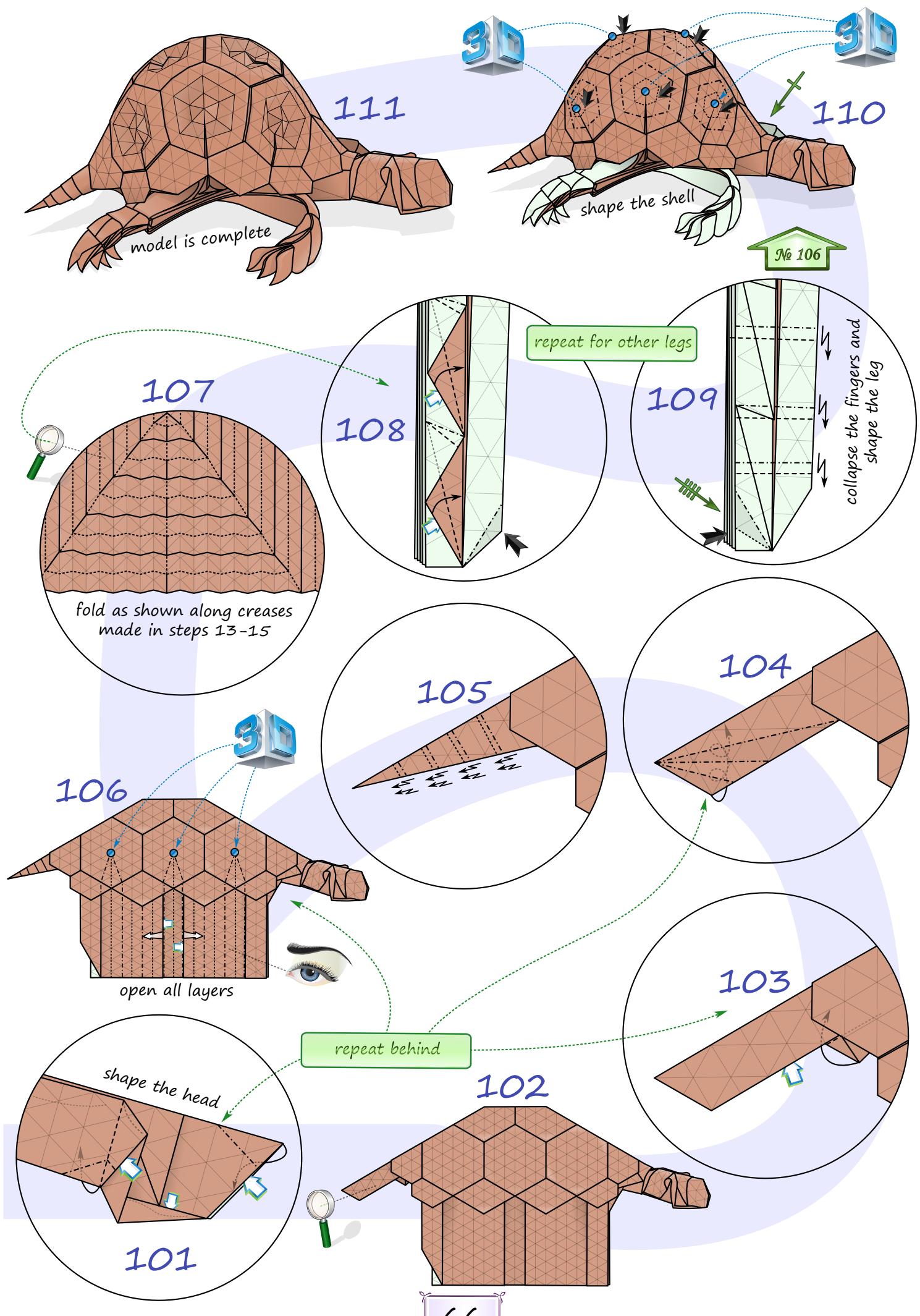


№ 79









Task №11

Marguerite

Viviane Berty (France)

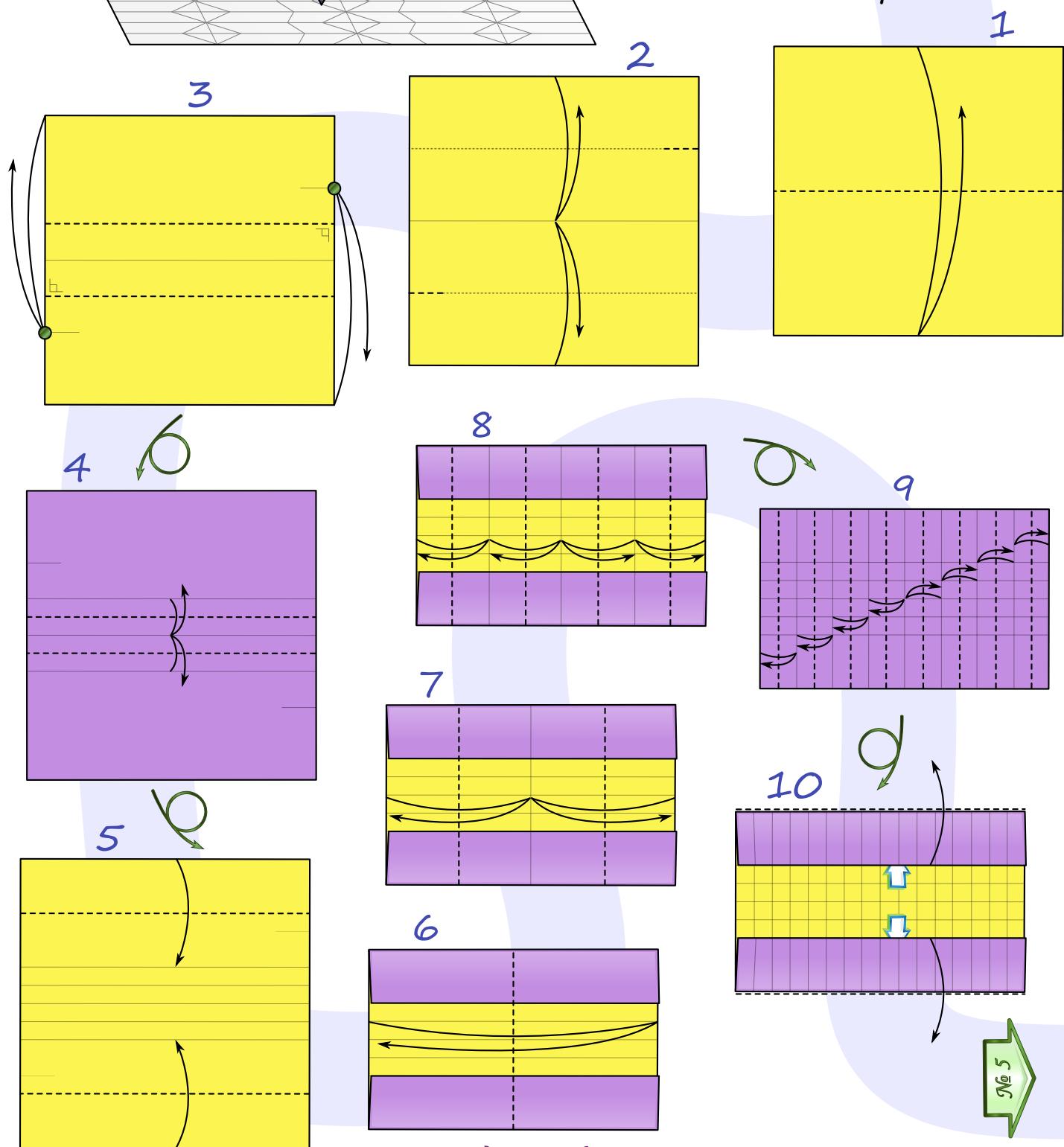
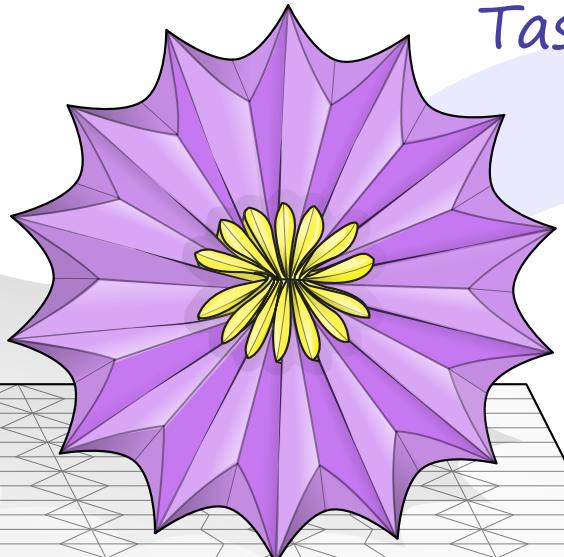
Difficulty: *****

Paper: 50-60 g/m²

Paper size: 20-20 cm

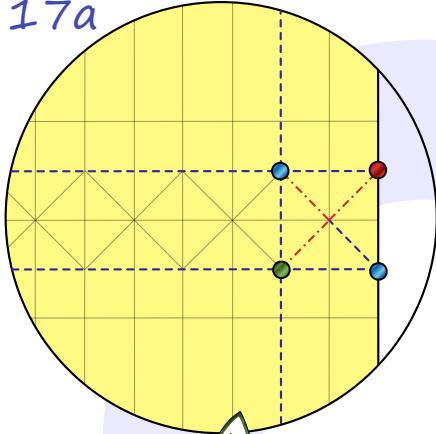
Final length: 8 cm

Max score: 5 points



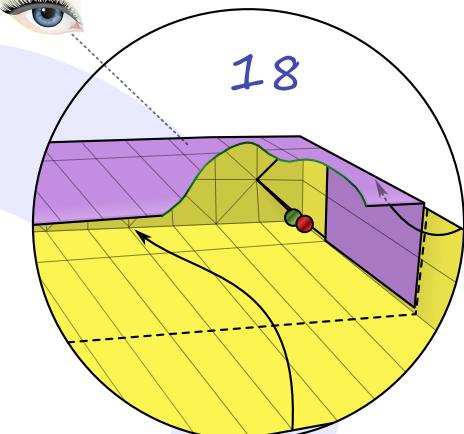
crease pattern

17a

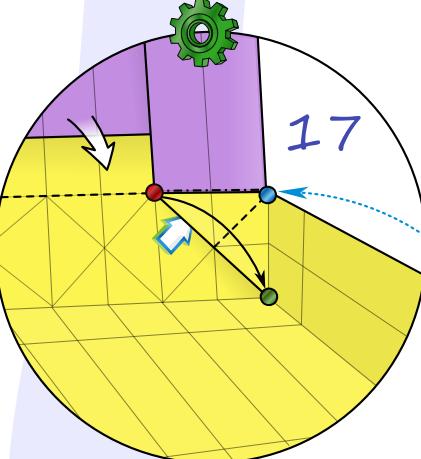
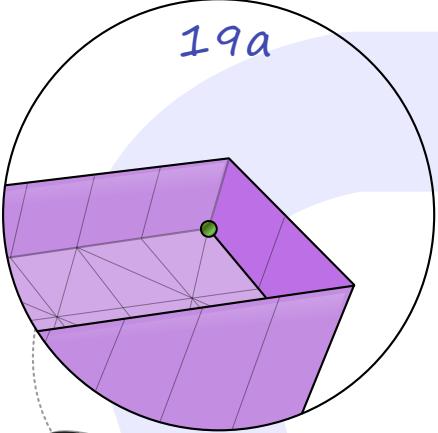


eye

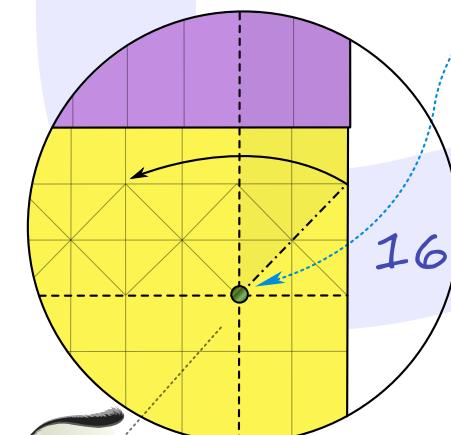
18



19a



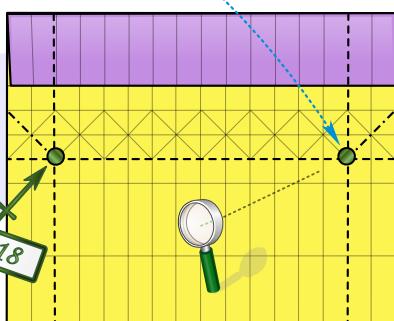
17



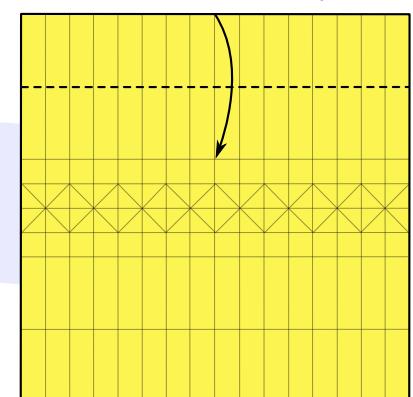
16



15



16-18



14

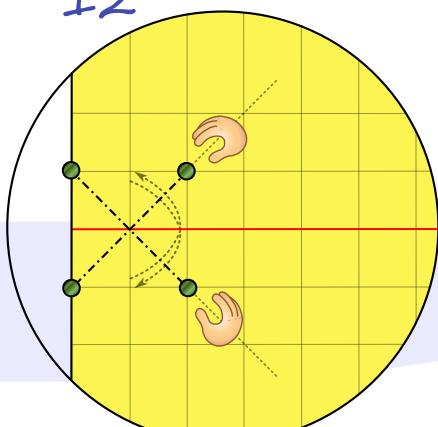
eye

No 11

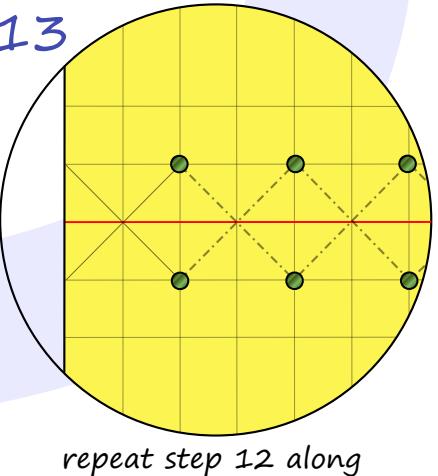
11



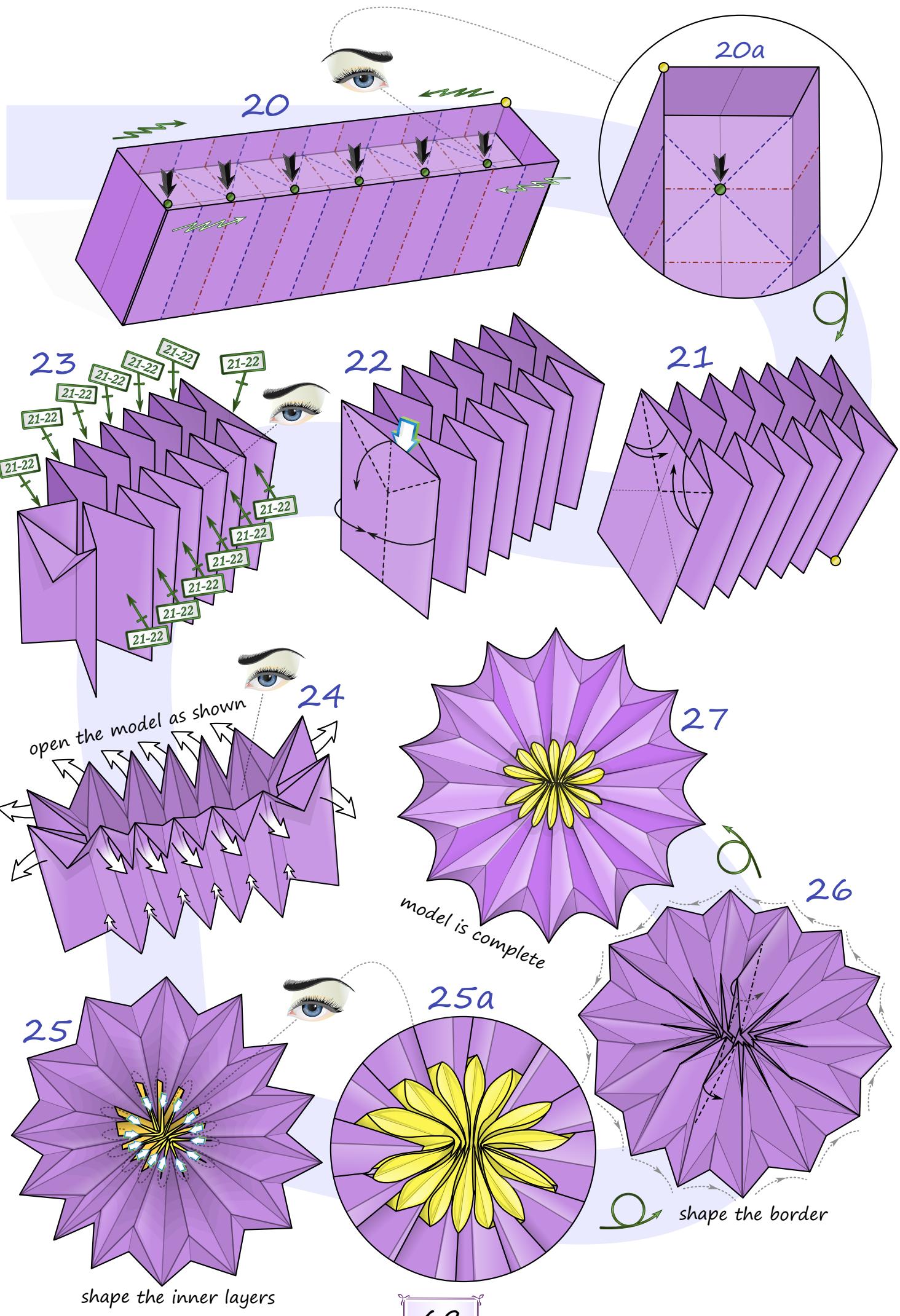
12



13



repeat step 12 along
red line as shown



Task №12

Space Sweet Space

Maximum score: 15 points

In this task we propose you to create your own model.

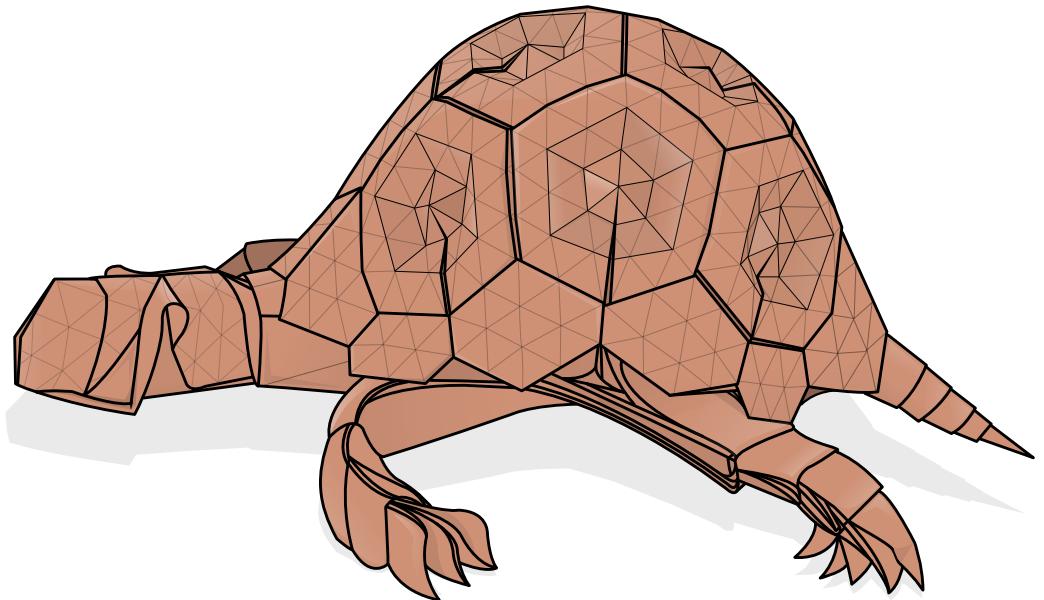
The topic is very broad which allows you to demonstrate your folding and designing skills.

You can choose any subject you want if it matches the topic. It can be just starships, astronauts or planet rovers, any space objects and even the ufo, extraterrestrial e.t.c. The model can be created in any style, technique and complexity level. But there still are a few basic rules:

- one convex polygon sheet of paper (e.g. square, rectangle, triangle, pentagon, hexagon, etc.);
- any color, size, type of paper, etc.
- you can use MC+paper, foil-paper, wet-folding as well;
- no cuts, no glue;
- no painting or varnishing of the finished model (you still can paint the paper before you start folding);
- minimal editing of the pictures is allowed as long as it doesn't affect the appearance of the model. E.g. you can crop photos, reduce the noise, change color balance but you must not add, erase or change any details;
- you can make a composition photo with as many different models as you like, but only one of them will be judged (you must specify which one is it);
- you must include CP or other information about your model (so jury can see that the rules are observed).



Saint Petersburg
2015



The End

