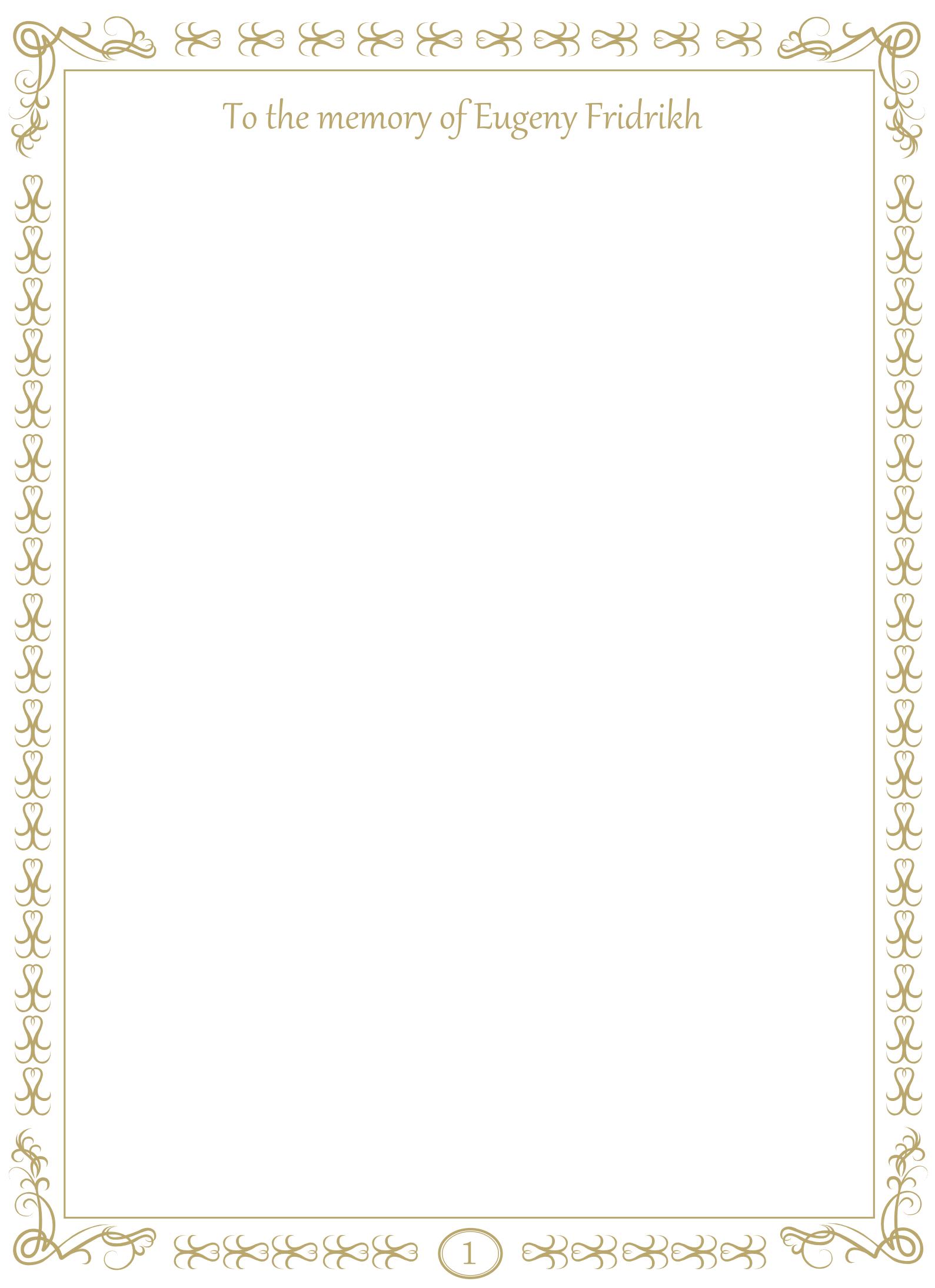


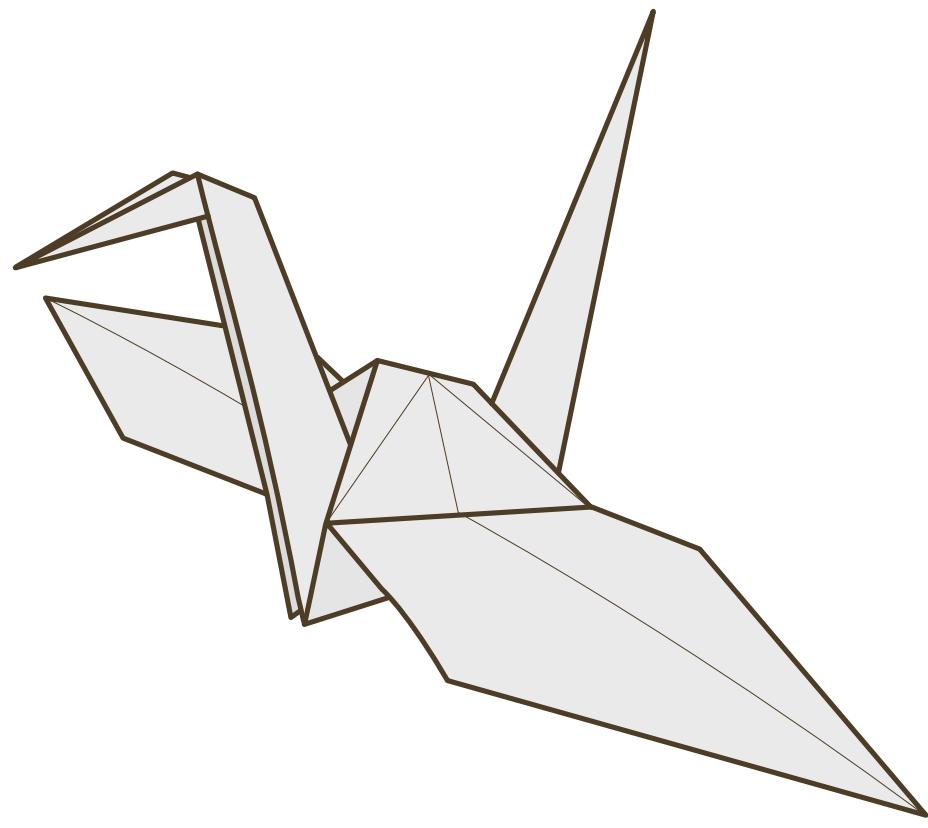
III International Origami Internet Olympiad



Russia 2012



To the memory of Eugeny Fridrikh



II International Origami Internet Olympiad

Judges:

1. Andrey Ermakov
2. Pavel Maslov
3. Dzmitry Lysiuk
4. Andrey Lukyanov

Olympiad is conducted in the internet, on the origami-forums:
oriart.ru; forum.loveorigami.info; ... ; etc.

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

Edited by Andrey Ermakov

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1. Any type of paper can be used.
2. Allowed to paint and glue flaps, if it would not prevent identification of all element of the model, as well as pre-creased lines that define the assembly process. This paragraph does not extend on the author's "own work".
3. In the competition should be used only photos which were never published before.
4. Each model should be photographed (at least!) from three angles, to clearly display all details. Photos with low quality will not be considered, but total size of the result message should not exceed 10 Mb.
5. Main images should be minimum redacted by any programs.
6. Before the end of Olympiad participants should not upload photos of works in the Internet.
7. E-mail for results:

origami2012olympiad@gmail.com

"Heart with iris"

Designed by Andrey Lukyanov

Task №1

Difficulty: **



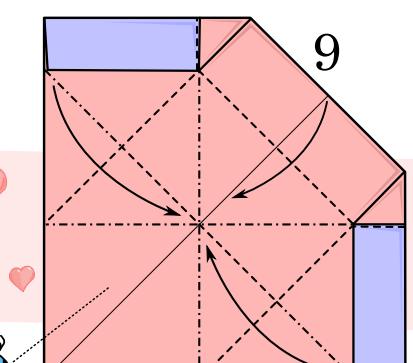
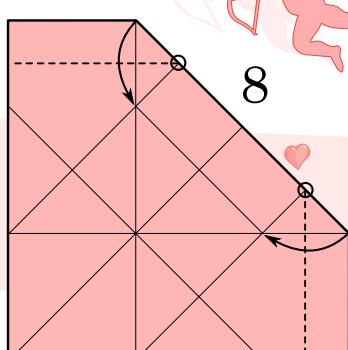
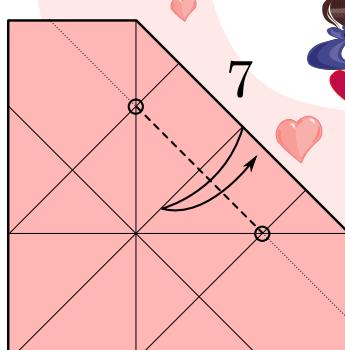
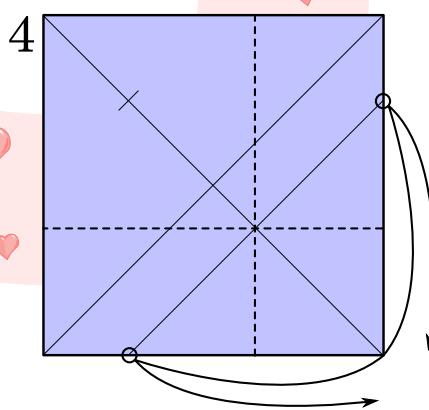
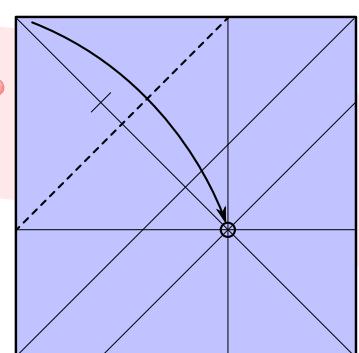
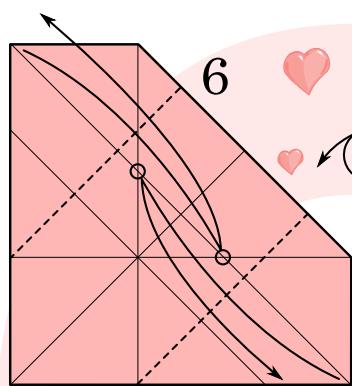
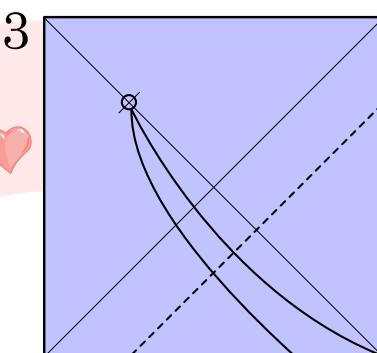
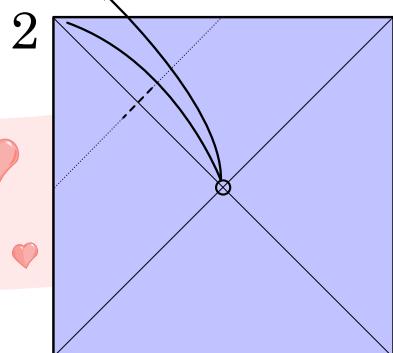
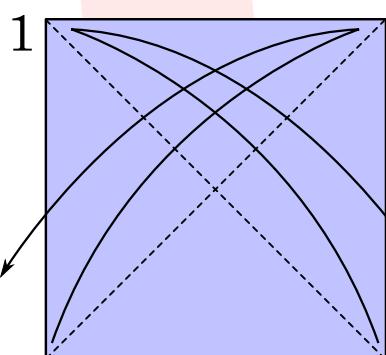
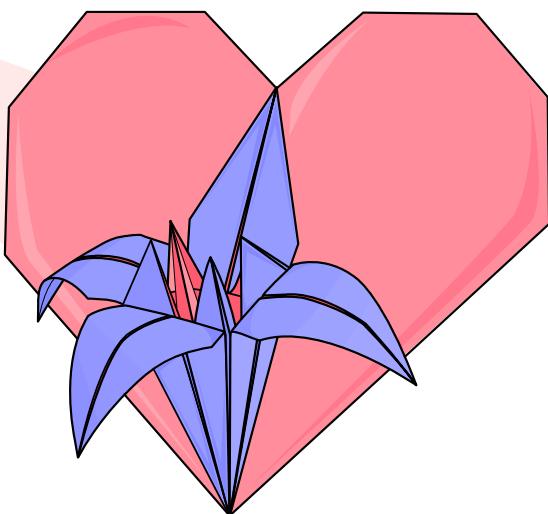
Paper: 30 g/m² (two-colored)

For recommended size: 24 cm - 24 cm

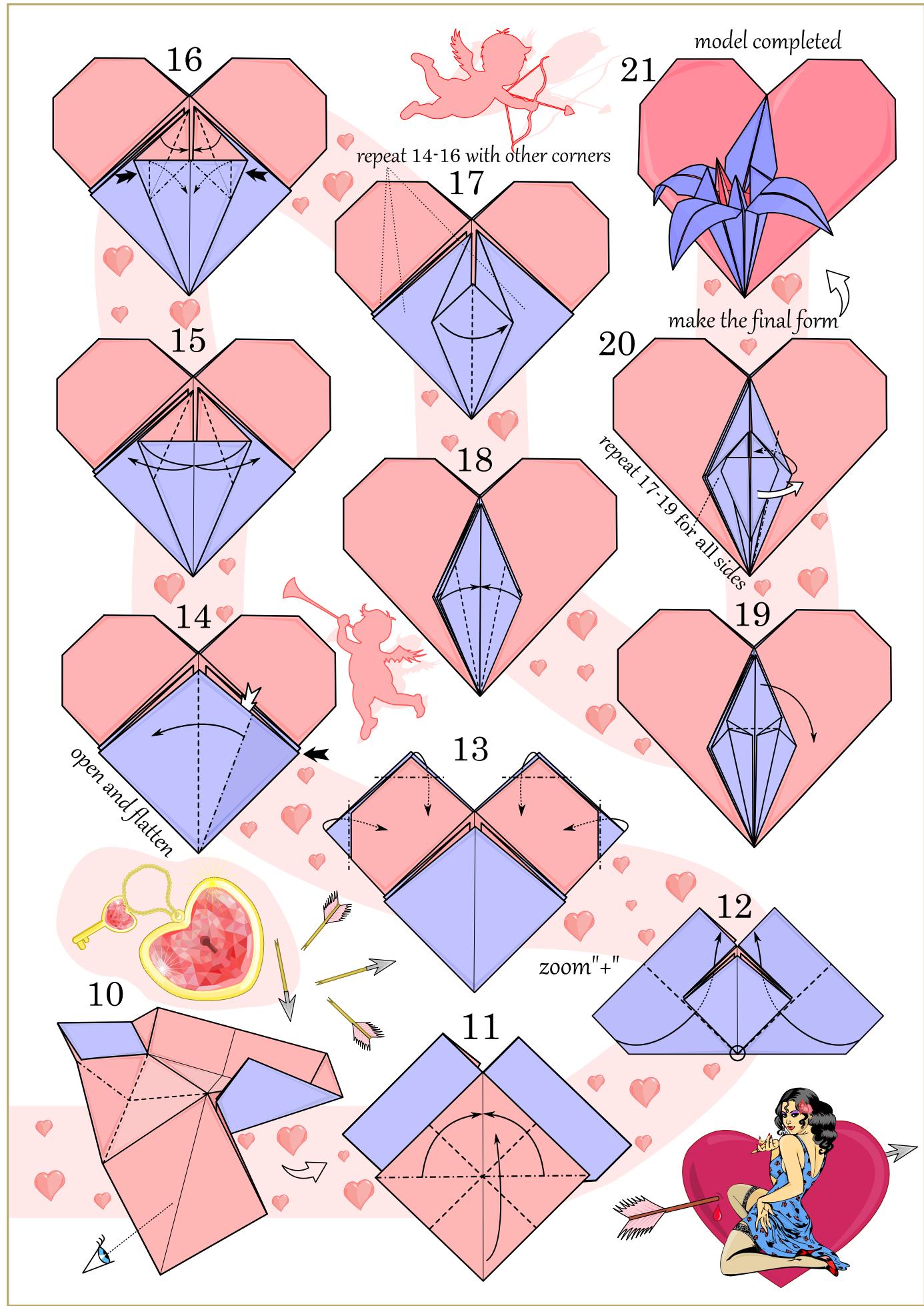
Length of the model: 8 cm

Build time: 20 min

Maximum score: 3 points



fold using the crease lines



Task №2

"Wolf"

Designed by Sergey Yartsev

Difficulty: ****

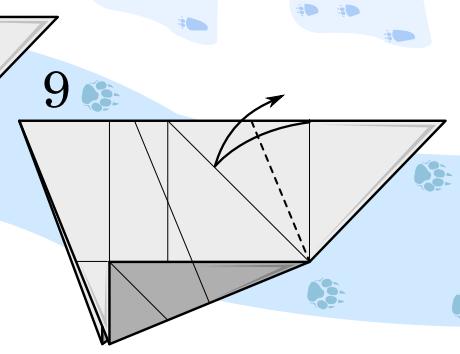
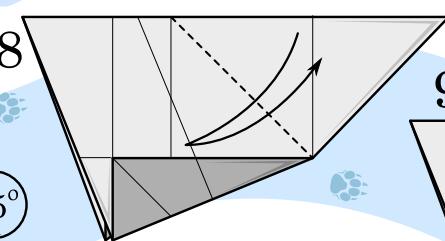
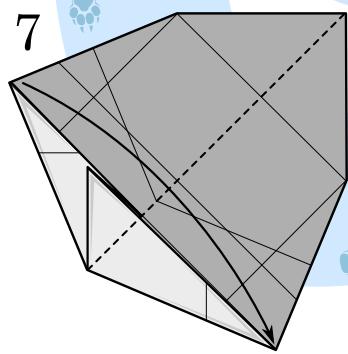
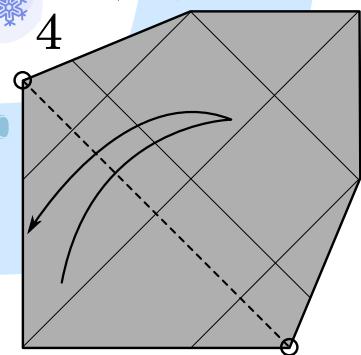
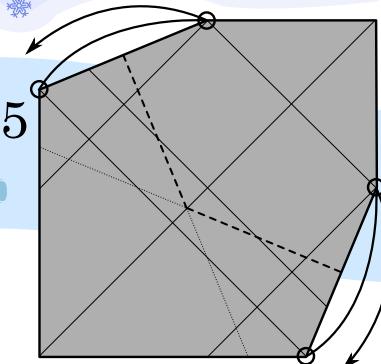
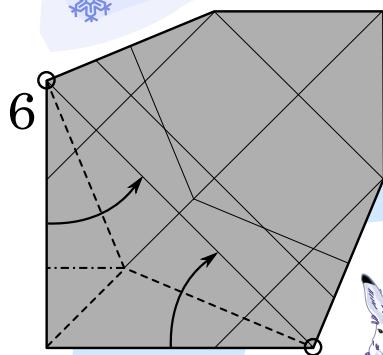
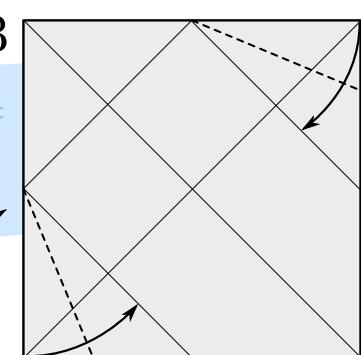
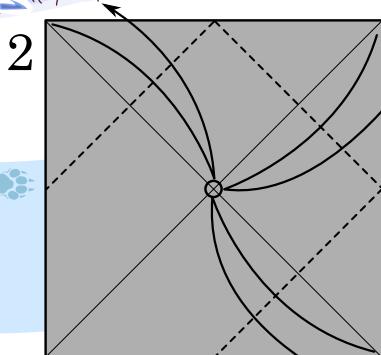
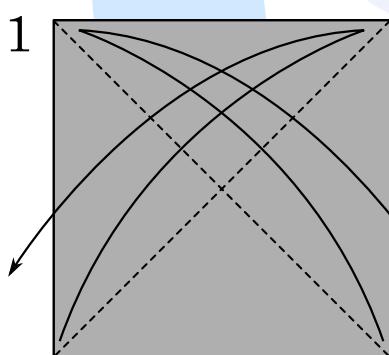
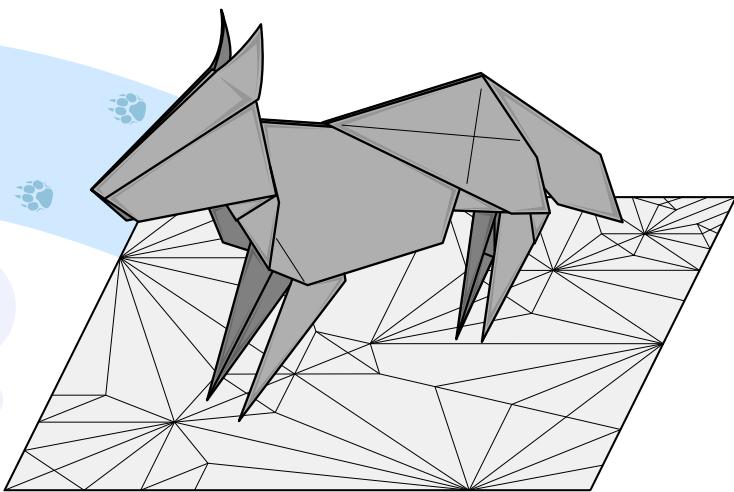
Paper: 40 g/m² (one-colored)

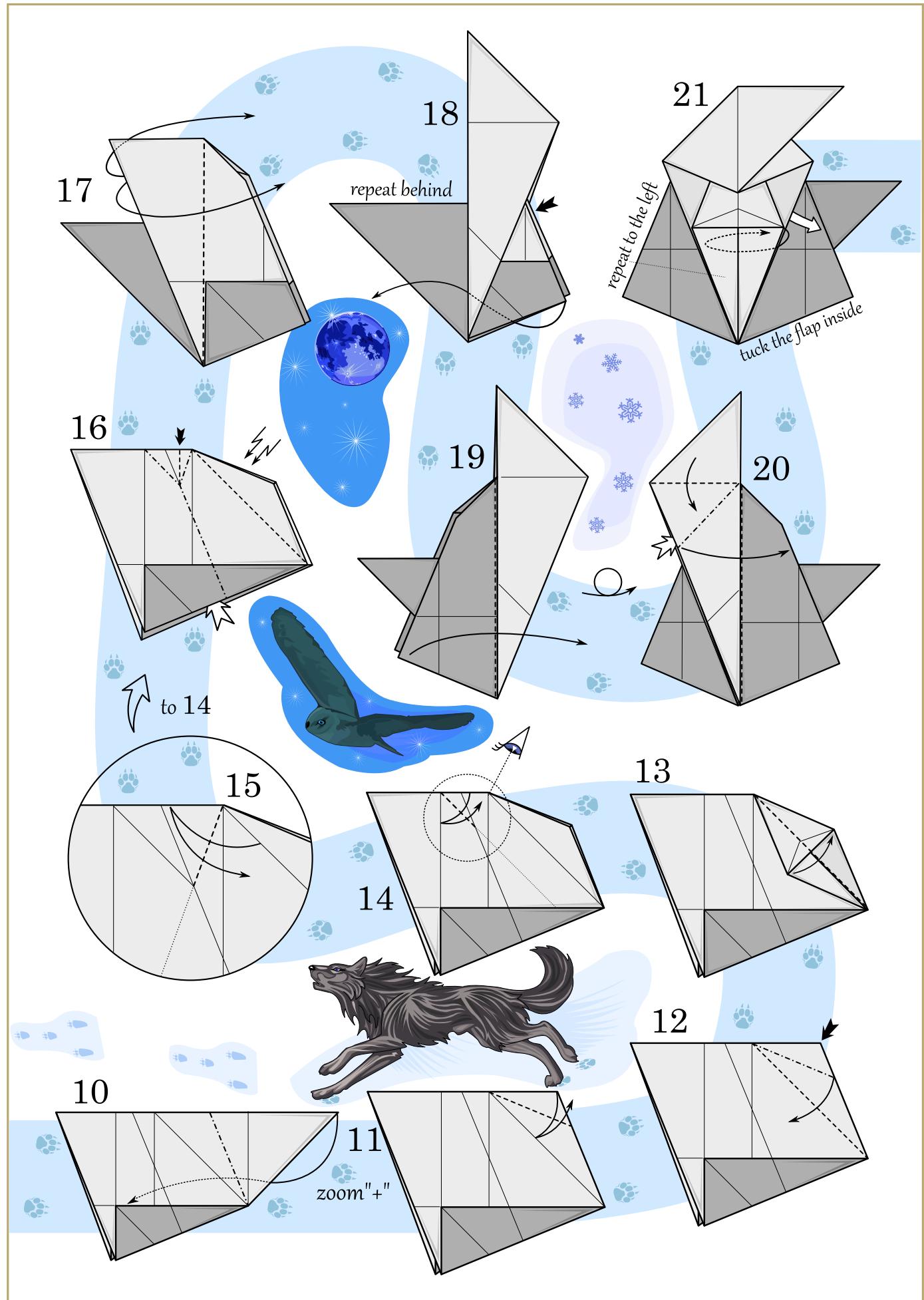
For size: 30 cm - 30 cm

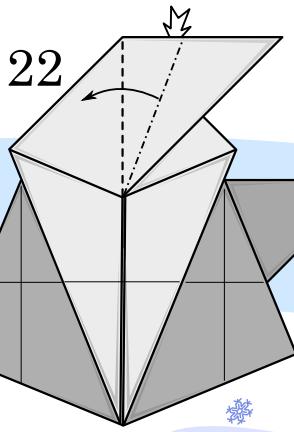
Length: 15 cm

Build time: 30 min.

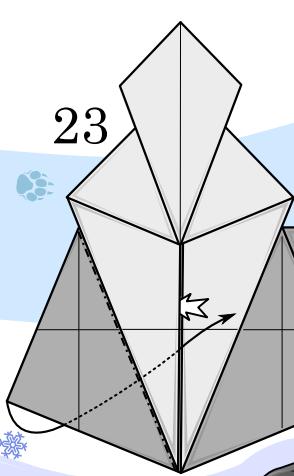
Max score : 4 points



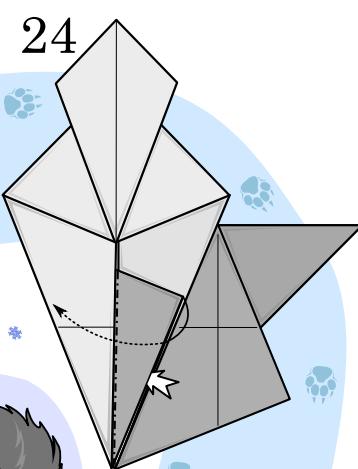




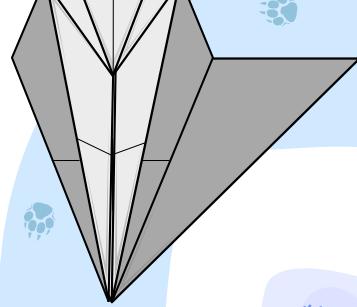
22



23



24

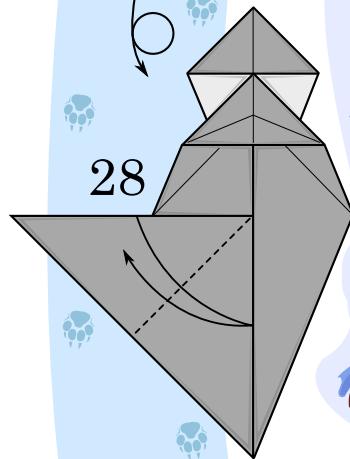


27

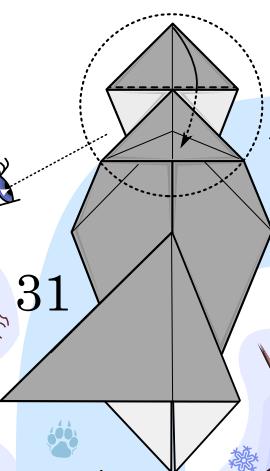
26

25

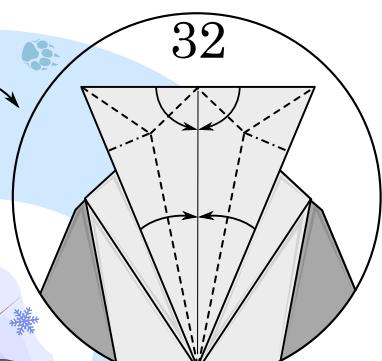
repeat steps 23-24



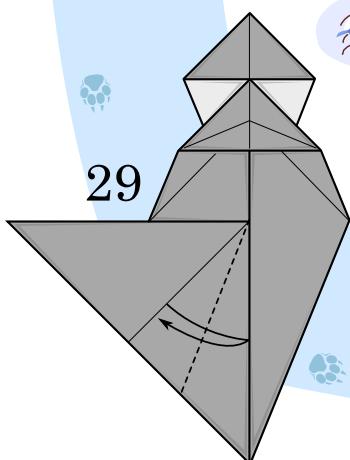
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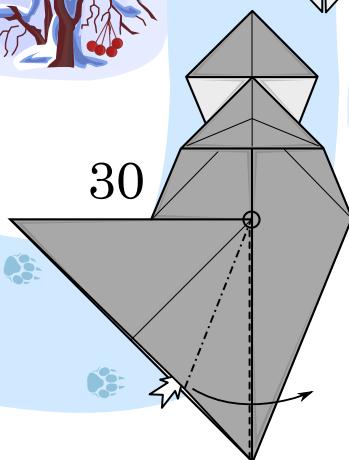
31



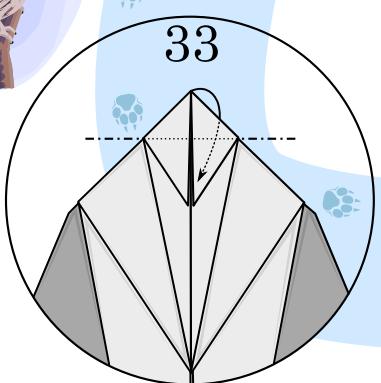
32



29

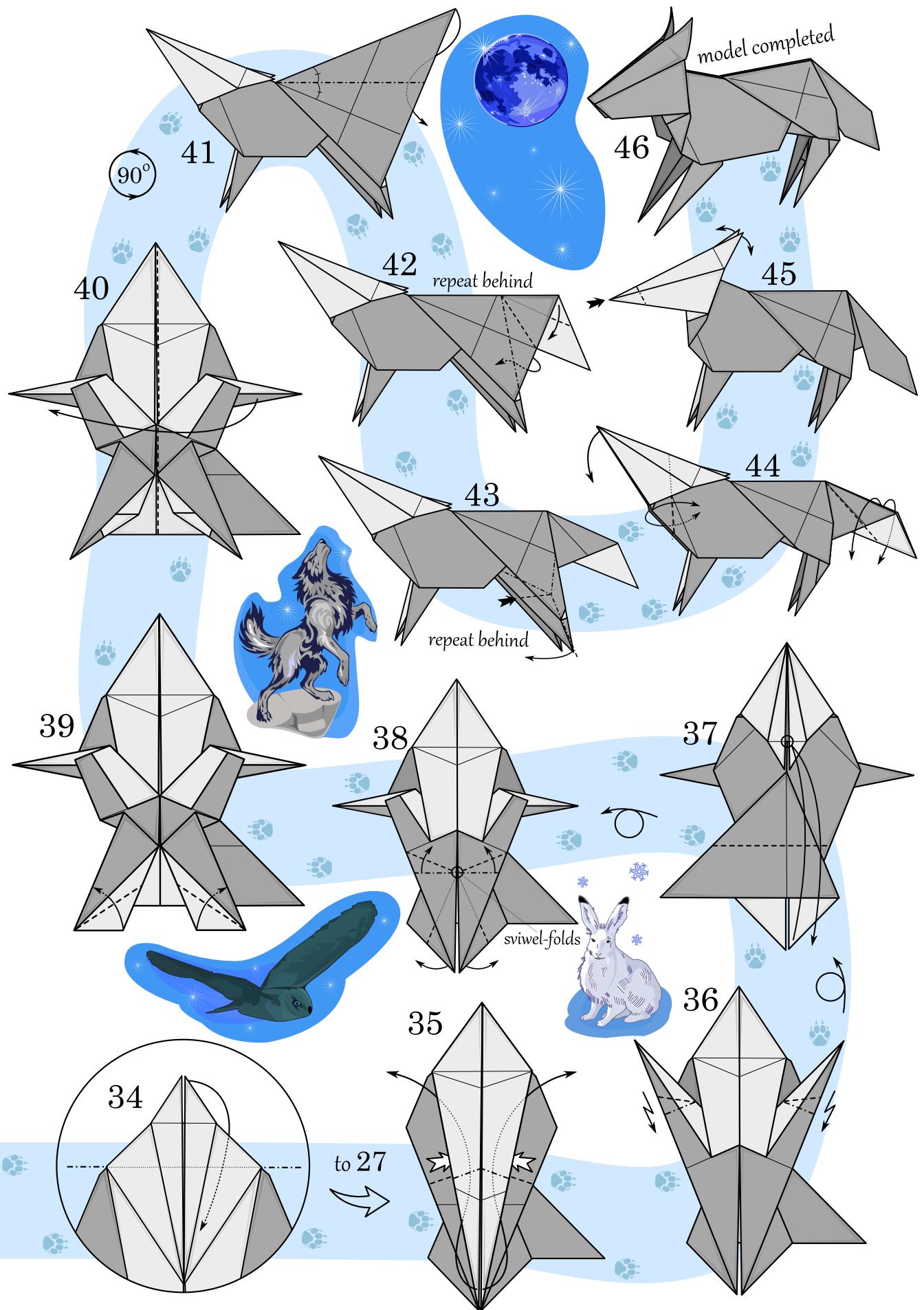


30



33





Task №3

"Submarine"

Designed by Sergio L. Guarachi V.

Difficulty: ***

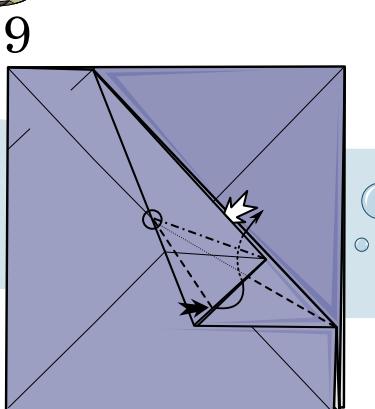
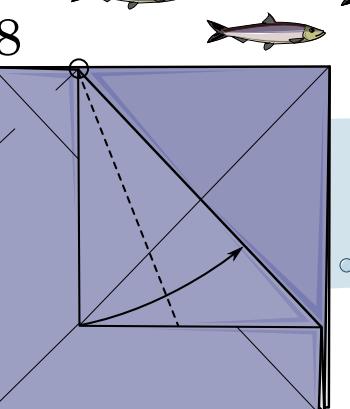
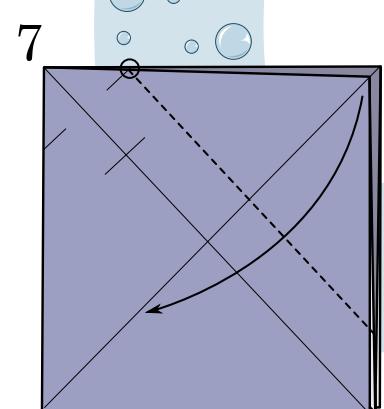
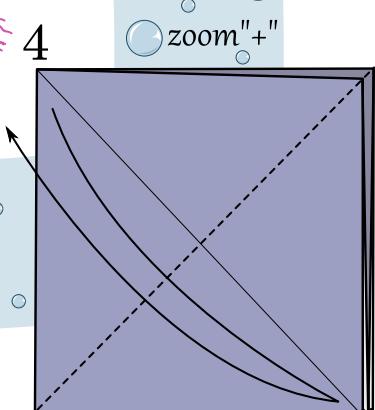
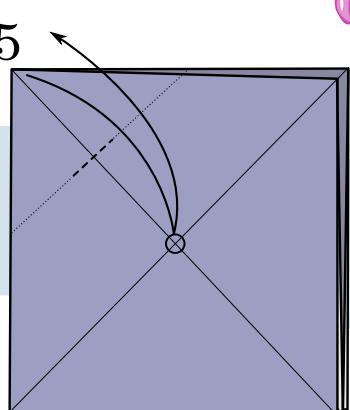
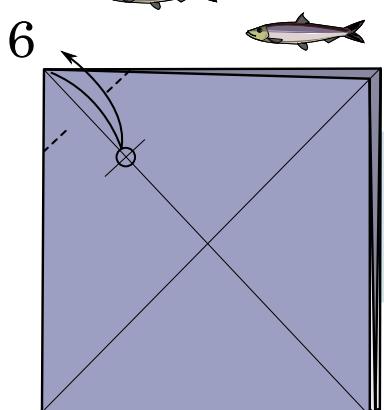
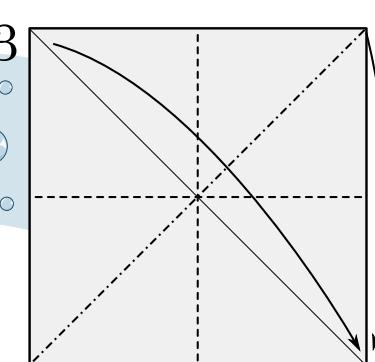
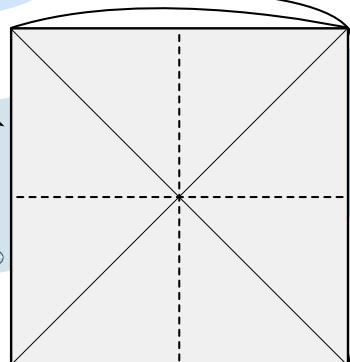
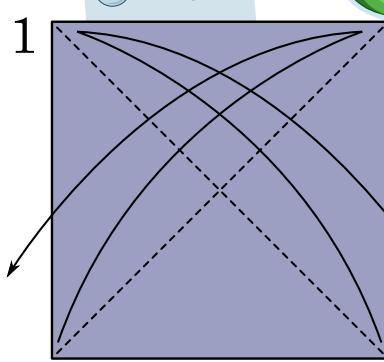
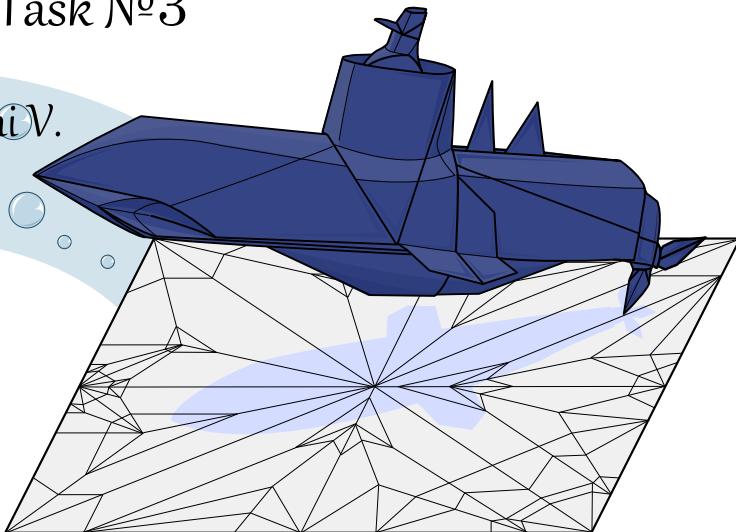
Paper: -30 g/m²

For recommended size: 30 cm - 30 cm

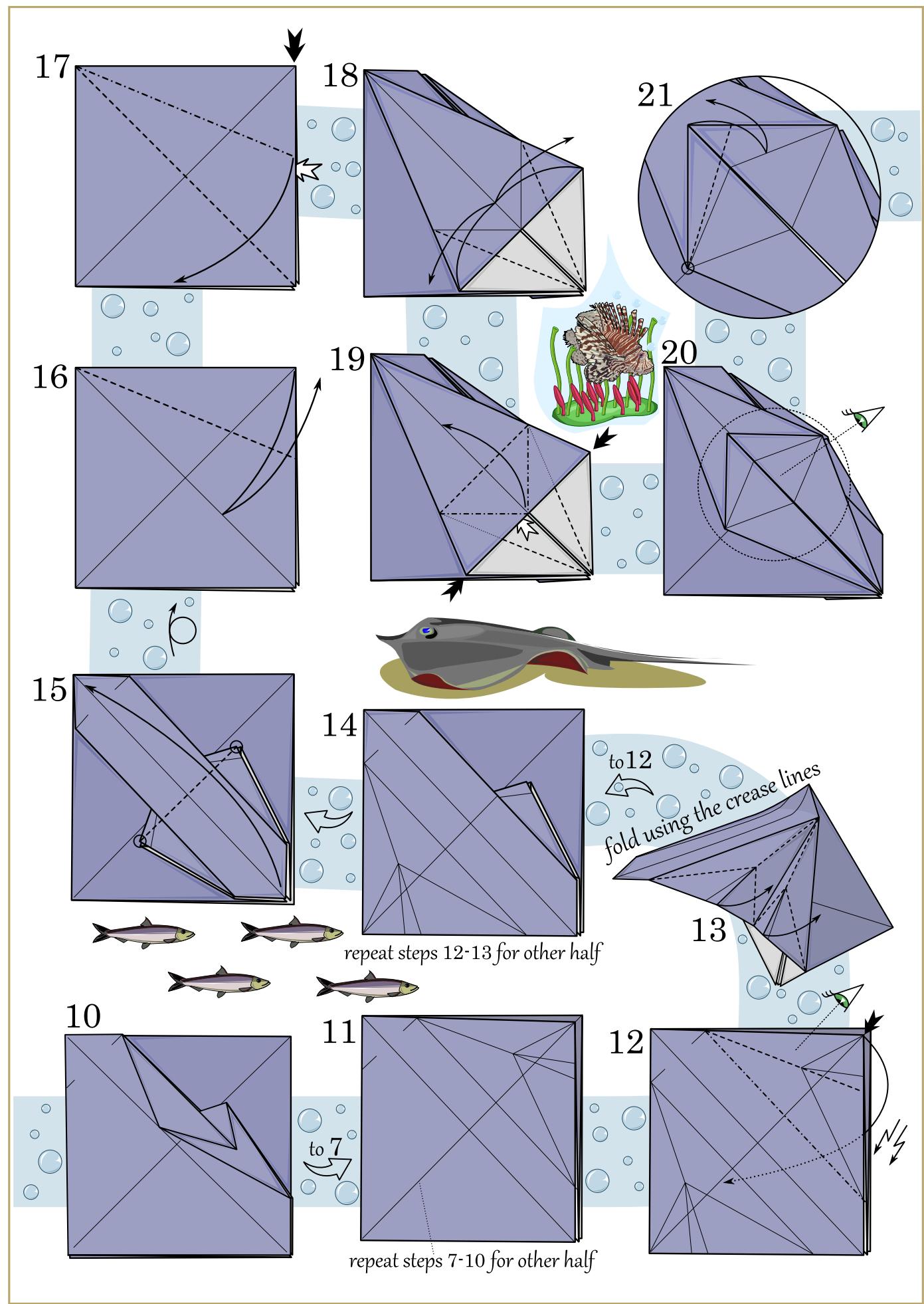
Length of the model: 17 cm

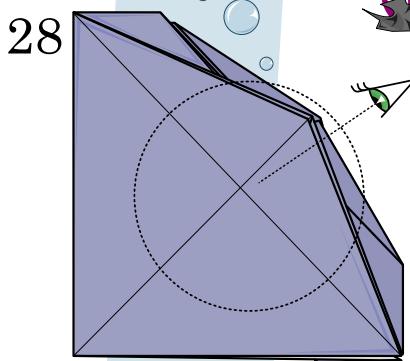
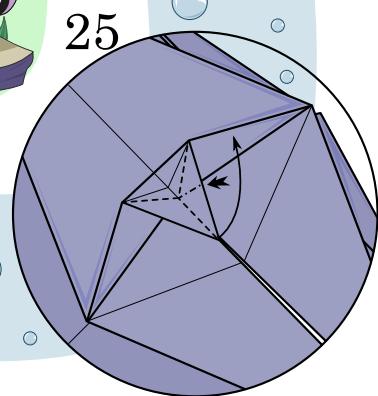
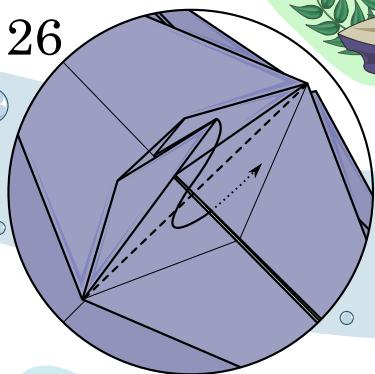
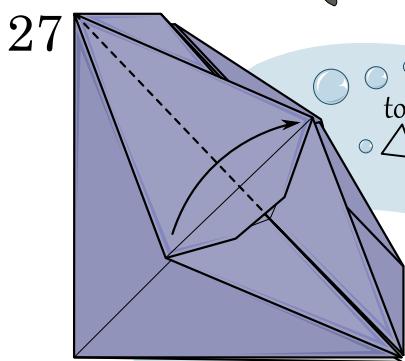
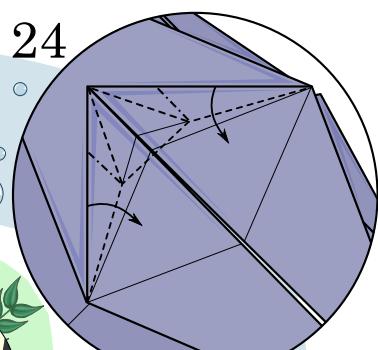
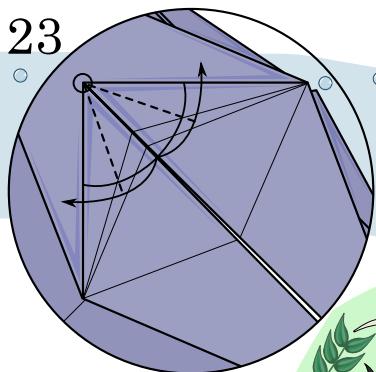
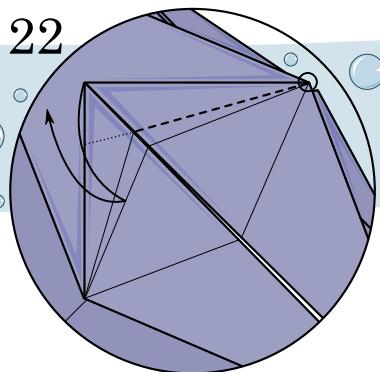
Build time: 45 min.

Max score: 5 points

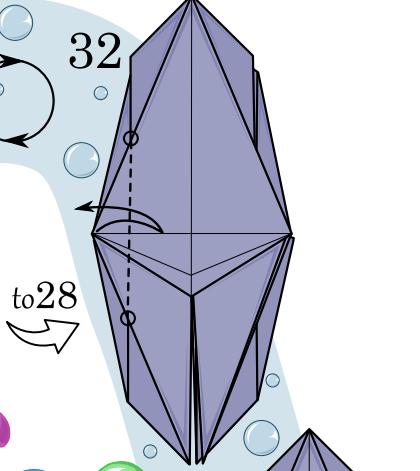
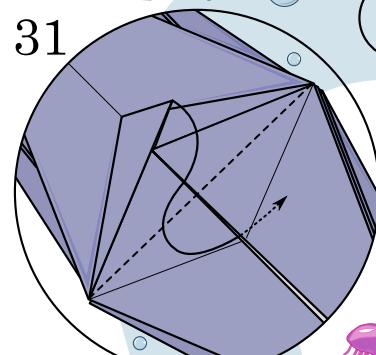


Sergio L. Guarachi V. - Submarine

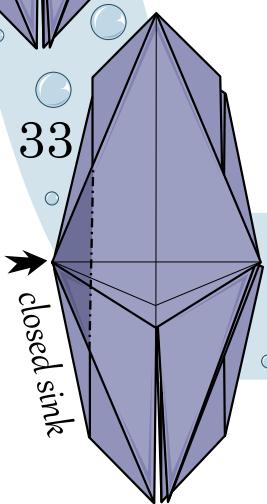
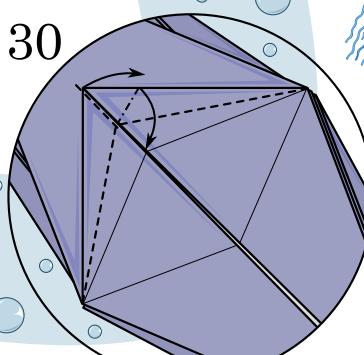
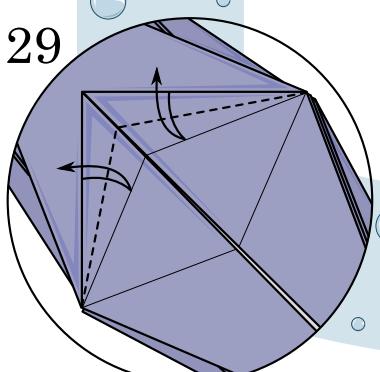




repeat steps 16-19 for other half

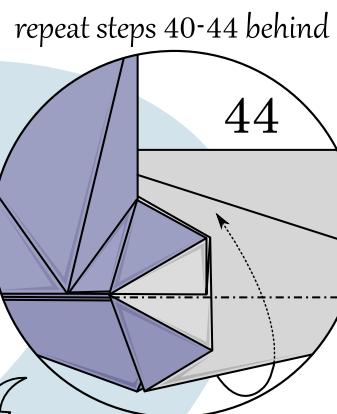
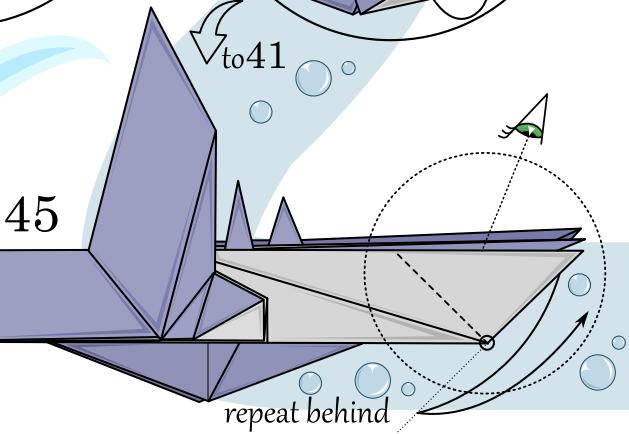
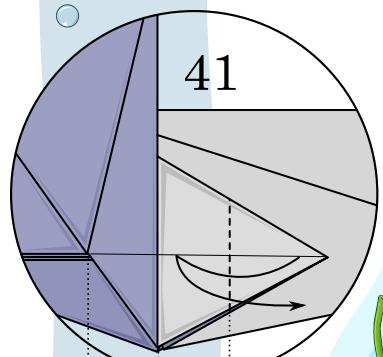
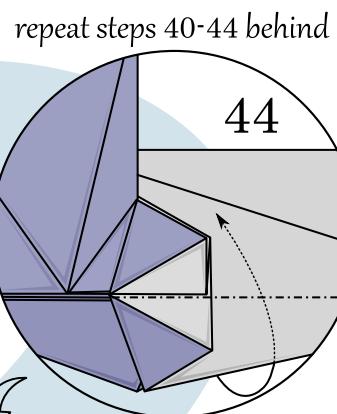
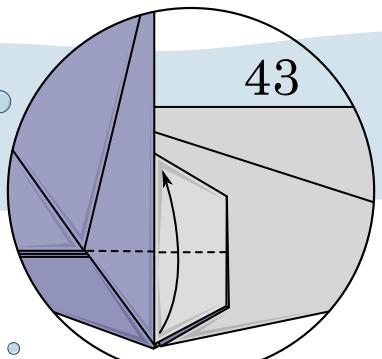
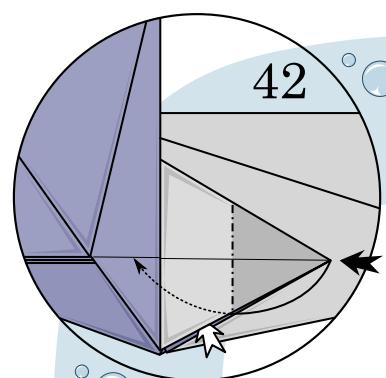


to 28

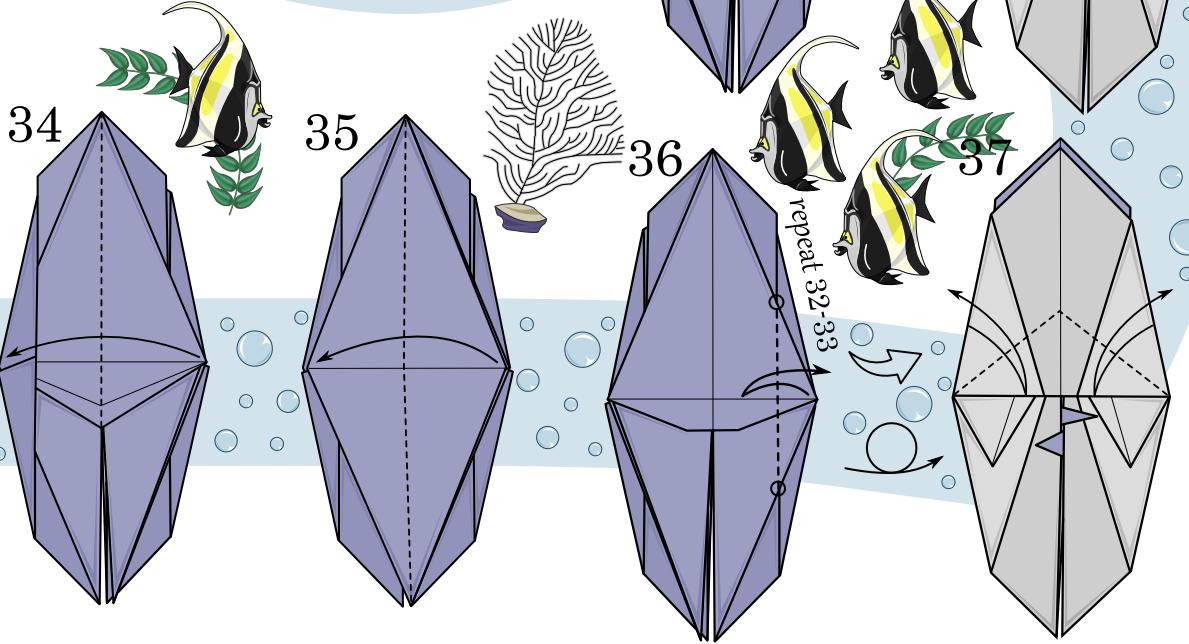
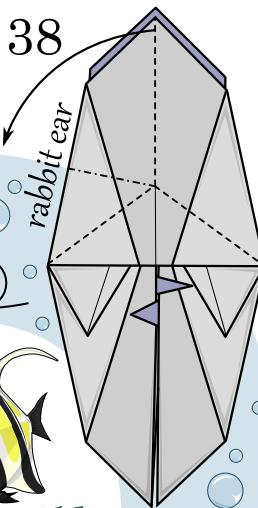
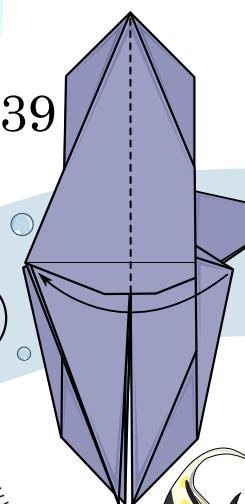
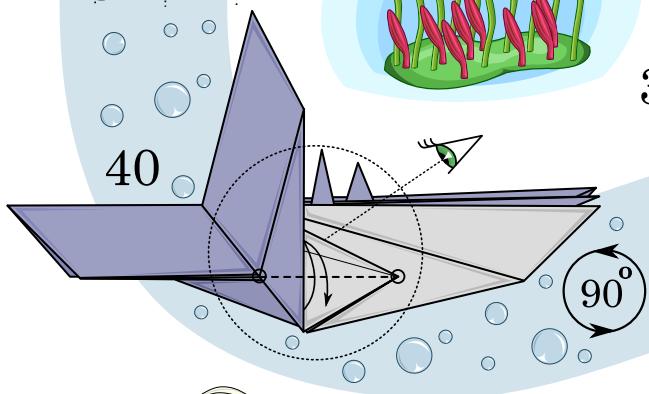
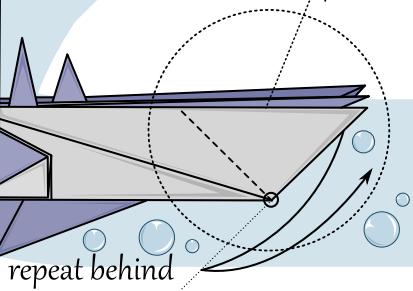


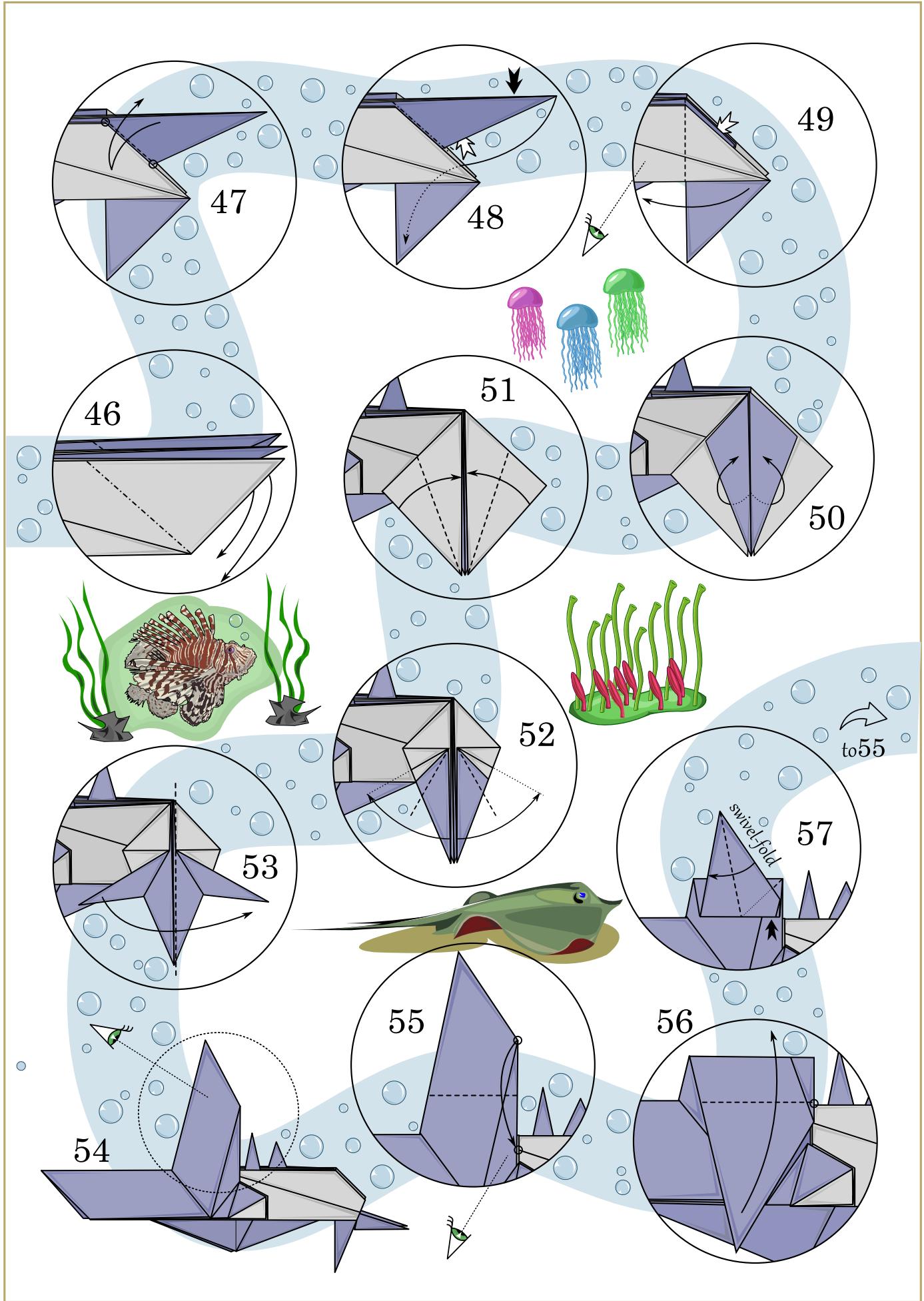
closed sink

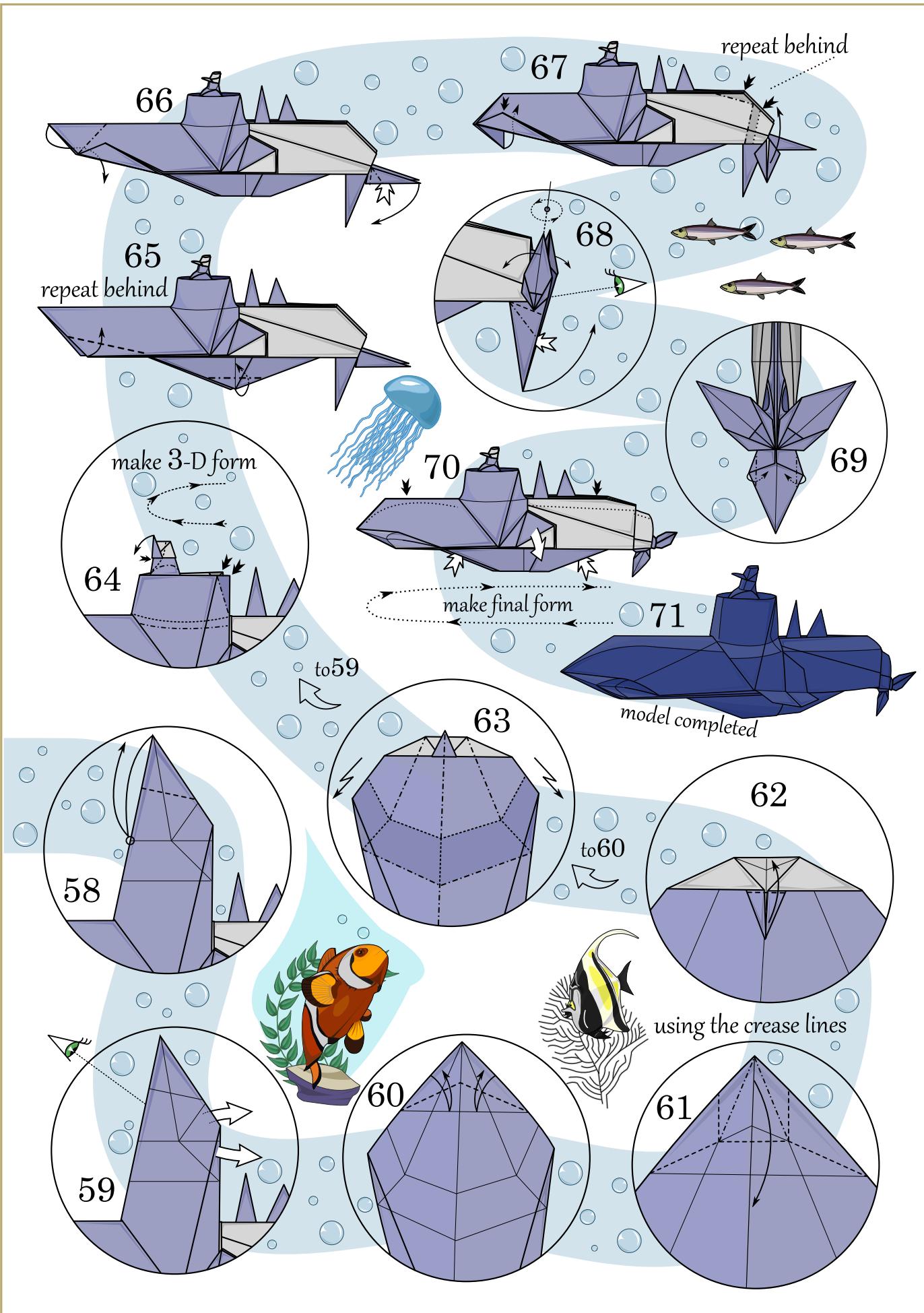
Sergio L. Guarachi V. - Submarine



to 41







Task №4

"Kitten"

Designed by Fernando Gilgado

Difficulty: ****

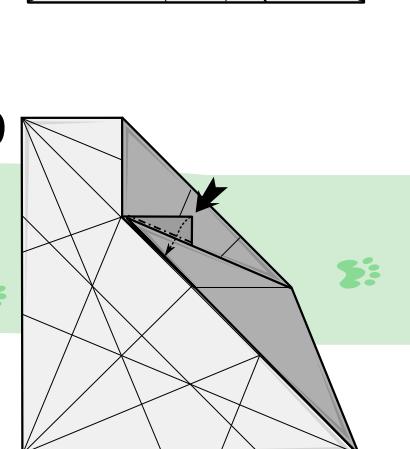
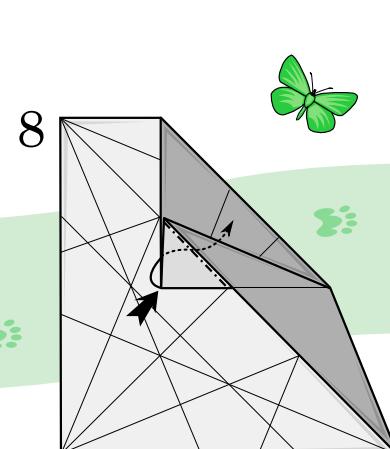
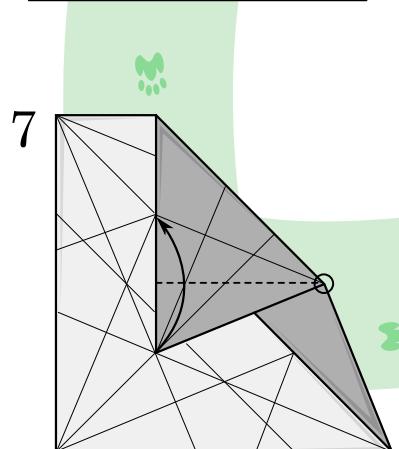
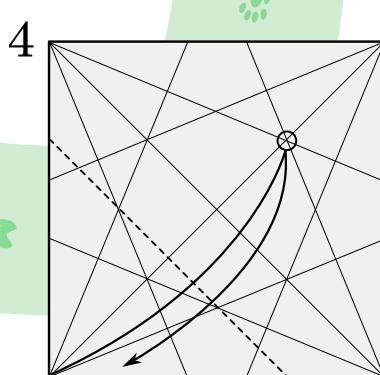
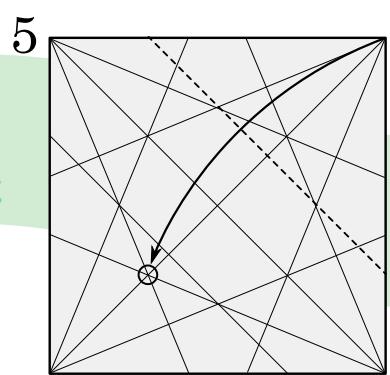
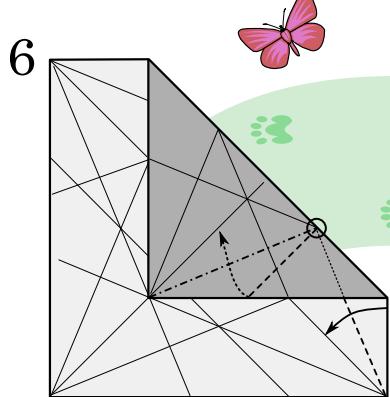
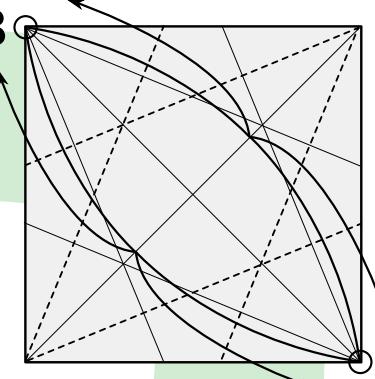
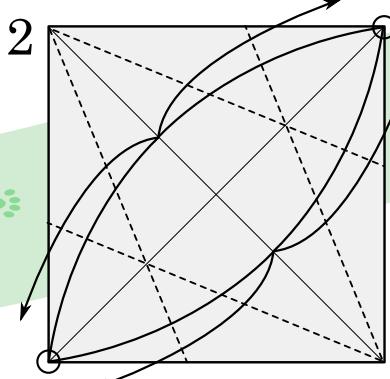
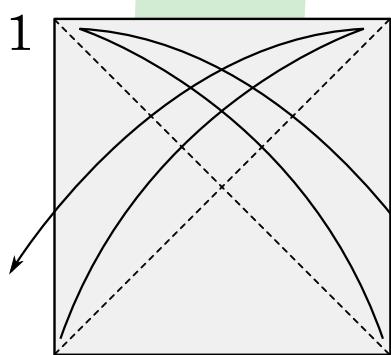
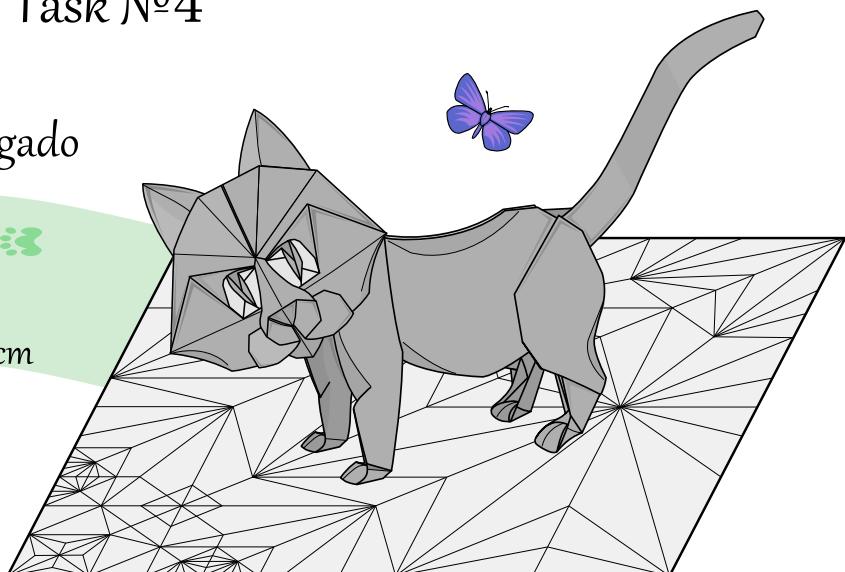
Paper: 30 g/m² (two-colored)

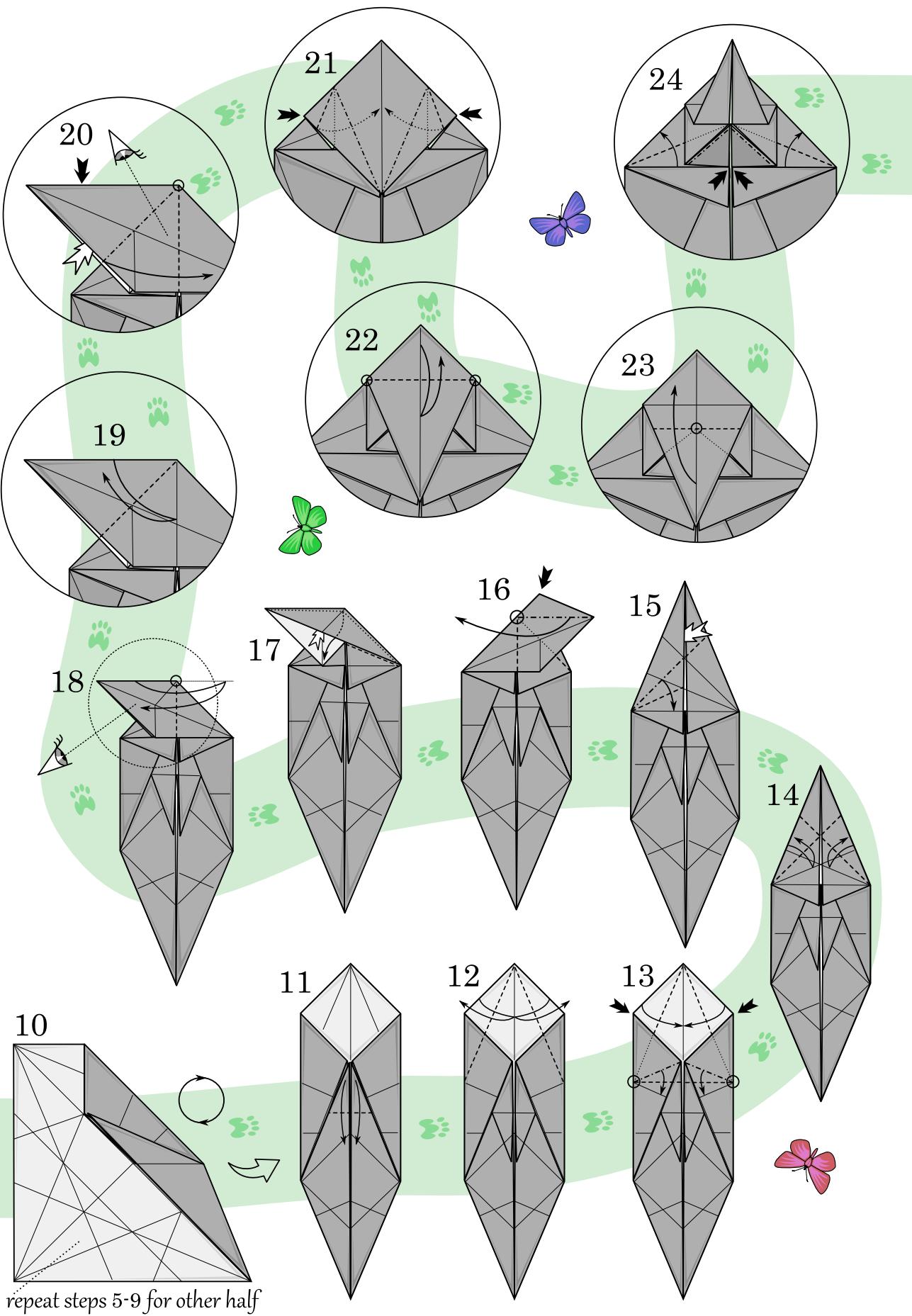
For recommended size: 35 cm - 35 cm

Length of the model: 15 cm

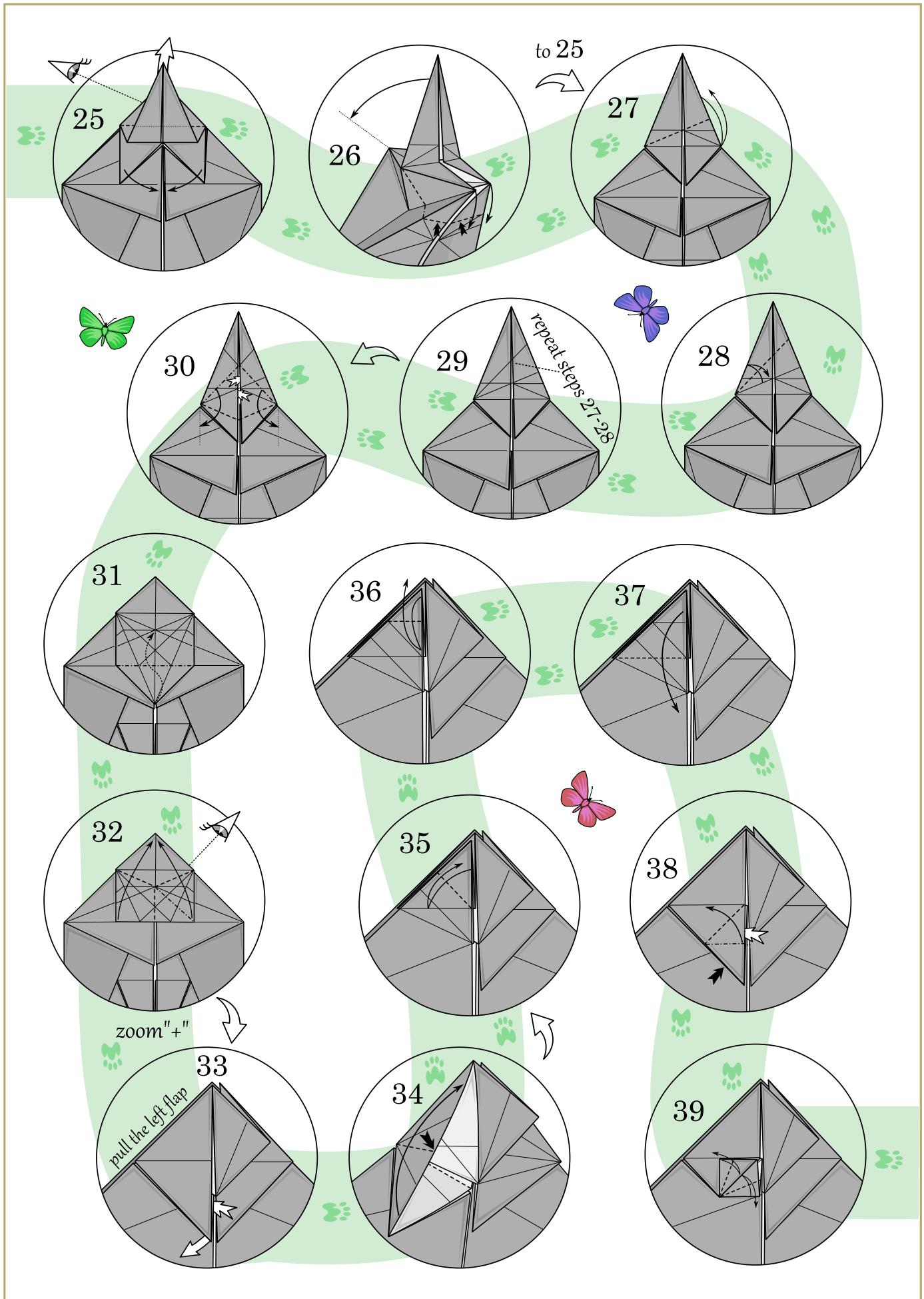
Build time: 2 - 3 hours

Max score: 7 points

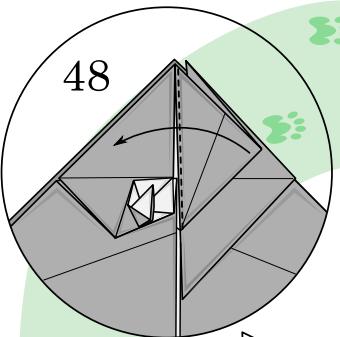




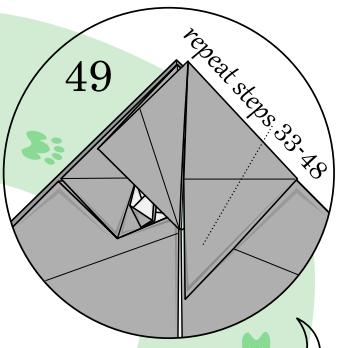
Fernando Gilgado - Kitten



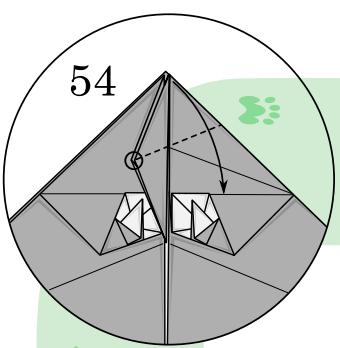
Fernando Gilgado - Kitten



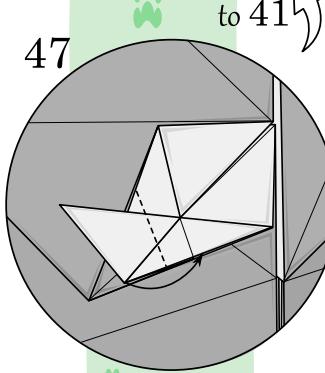
48



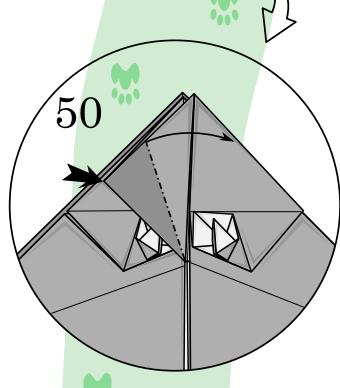
49



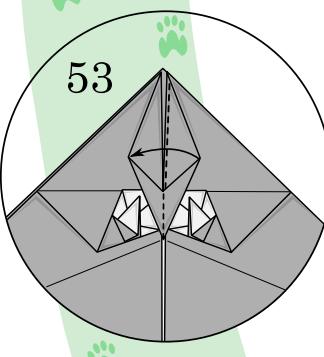
54



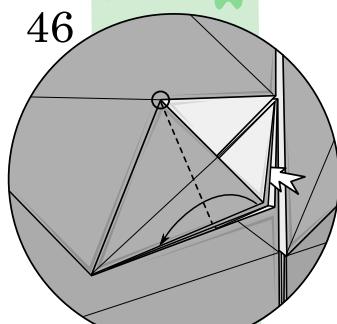
47



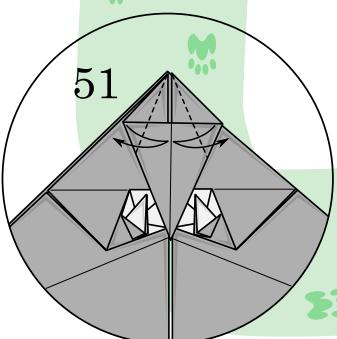
50



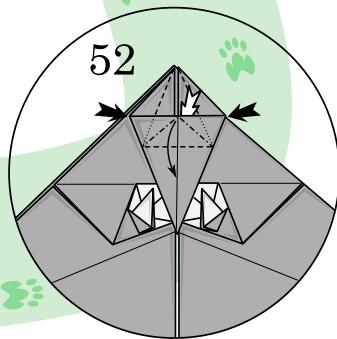
53



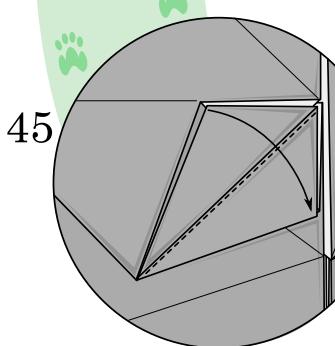
46



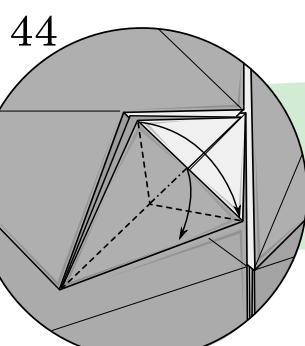
51



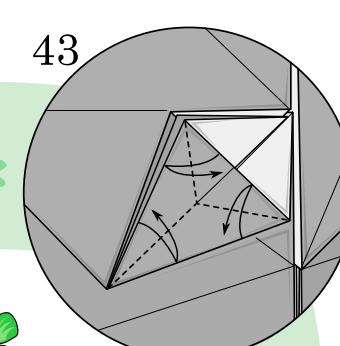
52



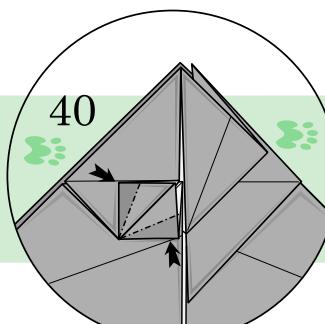
45



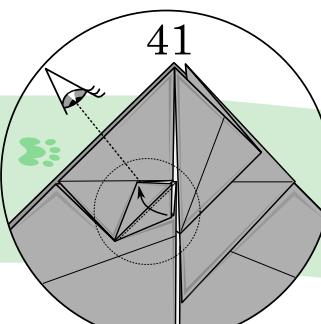
44



43



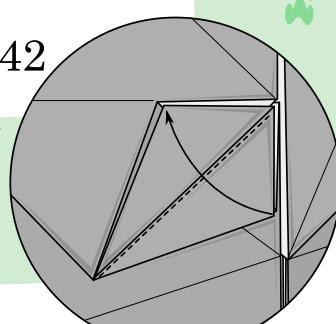
40



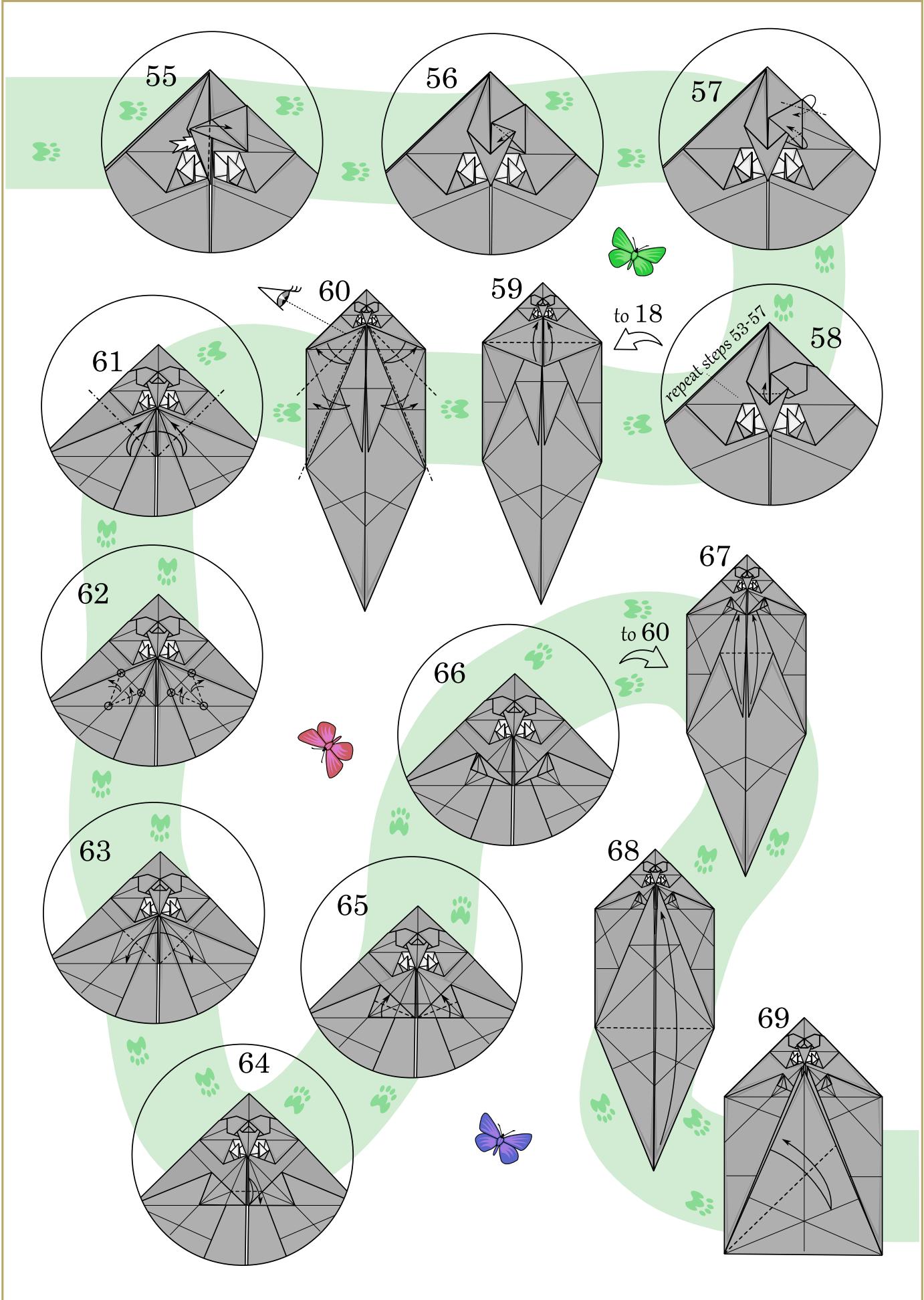
41

zoom "+"
→

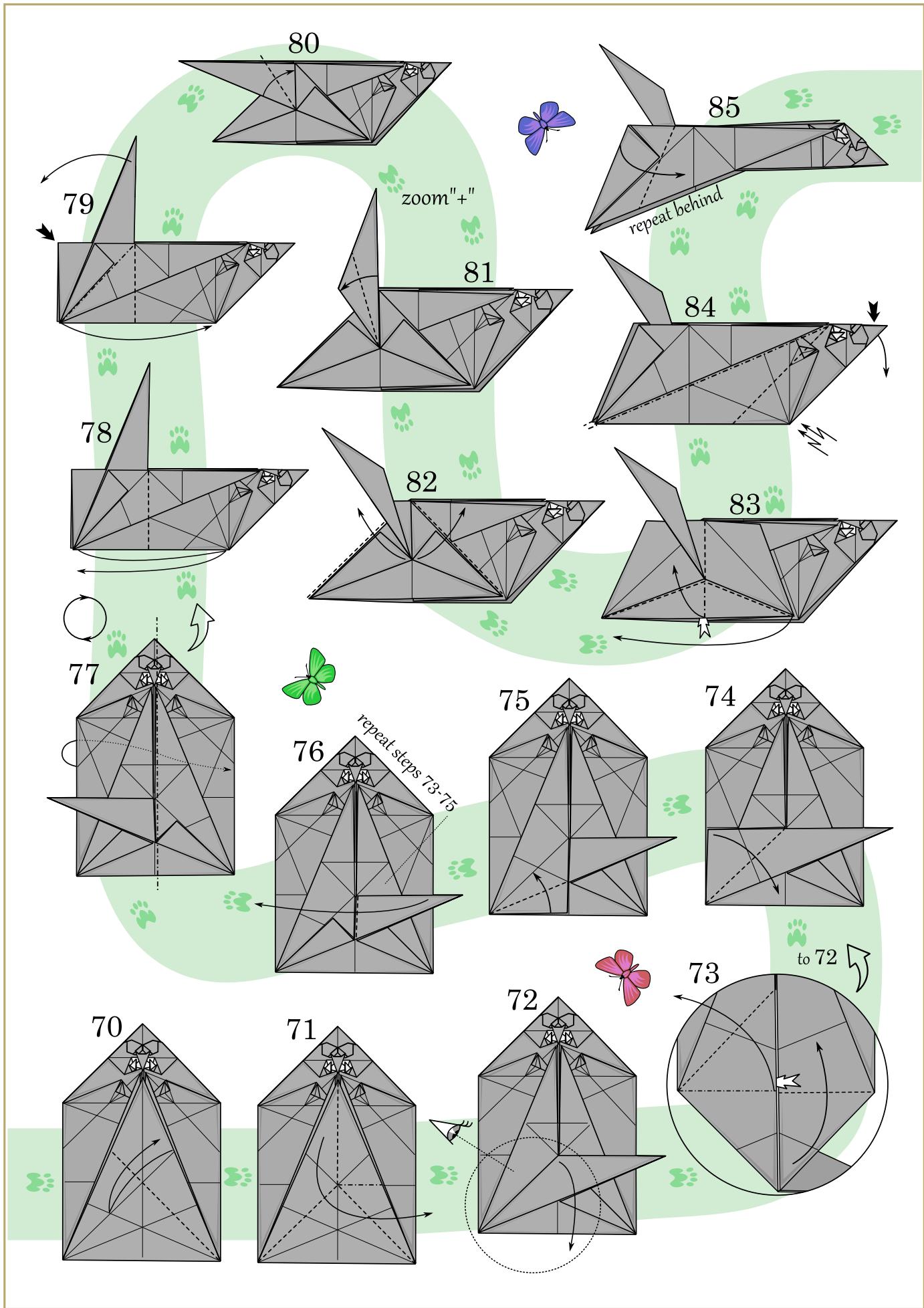
42



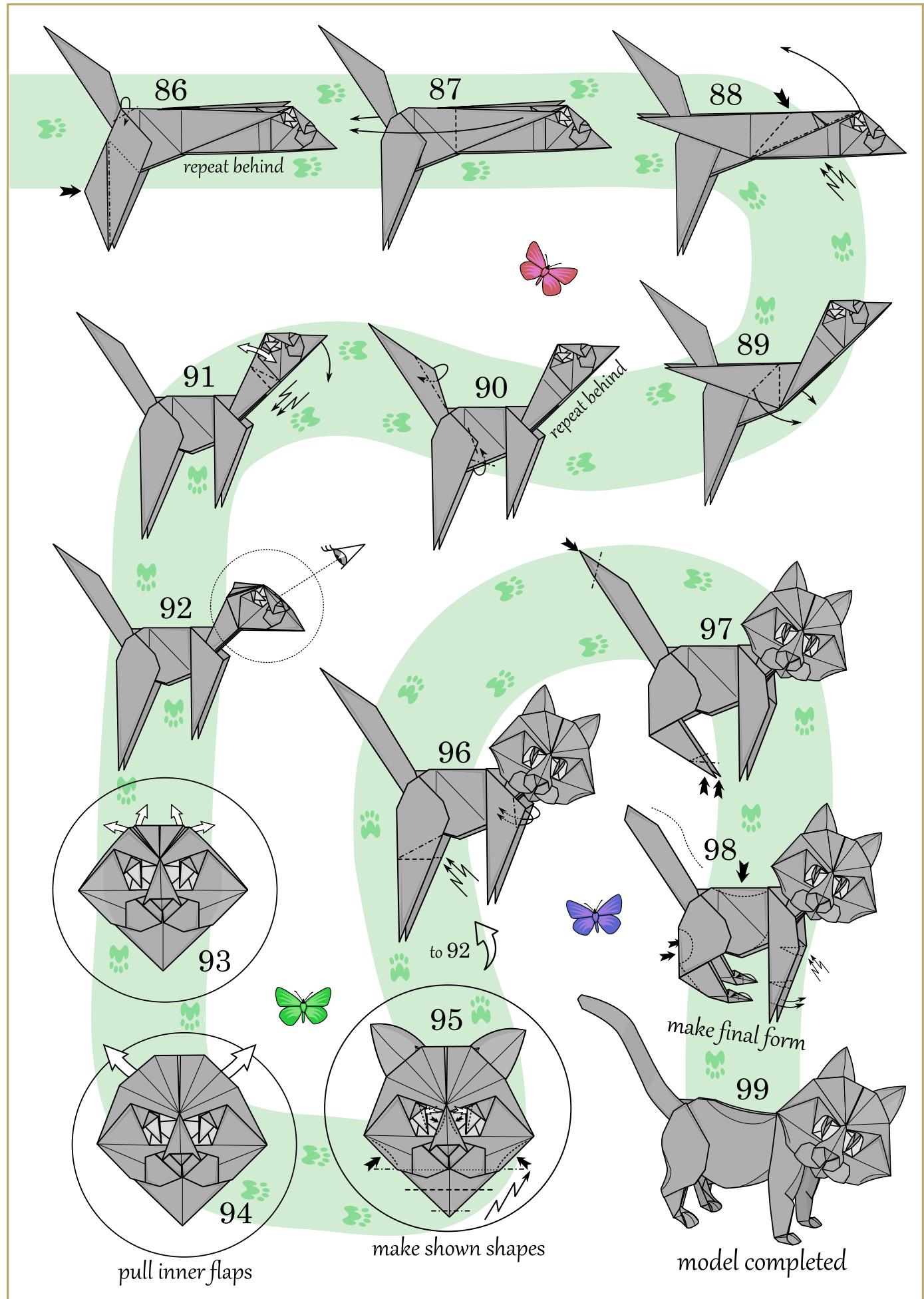
Fernando Gilgado - Kitten



Fernando Gilgado - Kitten



Fernando Gilgado - Kitten



Task №5

"Crested Oropendola"

Designed by Quentin Trollip

Difficulty: *****

Paper: - 40 g/m² (two-colored)

For recommended size: 25 cm - 25 cm

Length of the model: 19 cm

Build time: 2-3 hours

Max score: 8 points

1

6

7

2

5

8

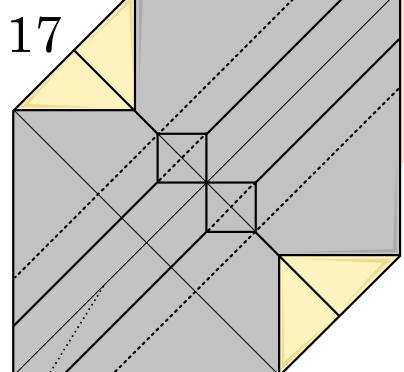
3

4

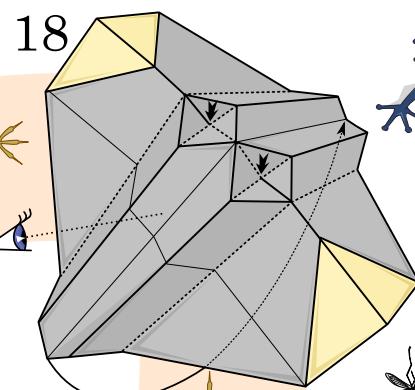
9

24

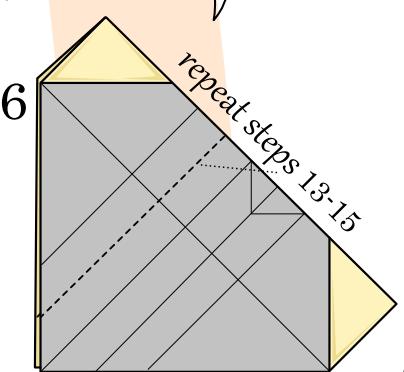
fold using the crease lines



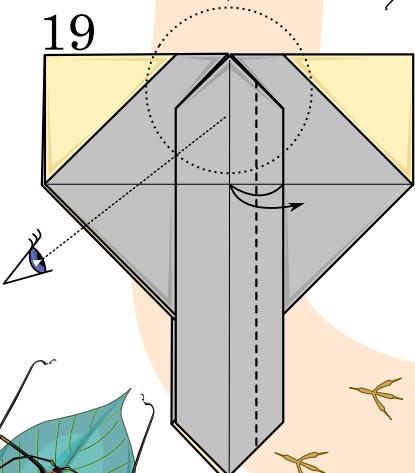
17



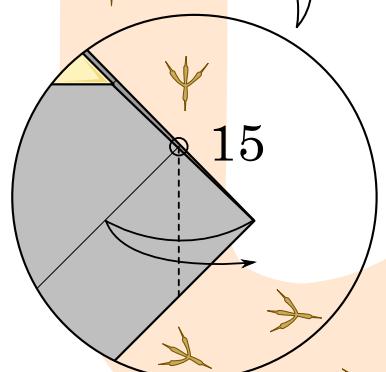
18



16



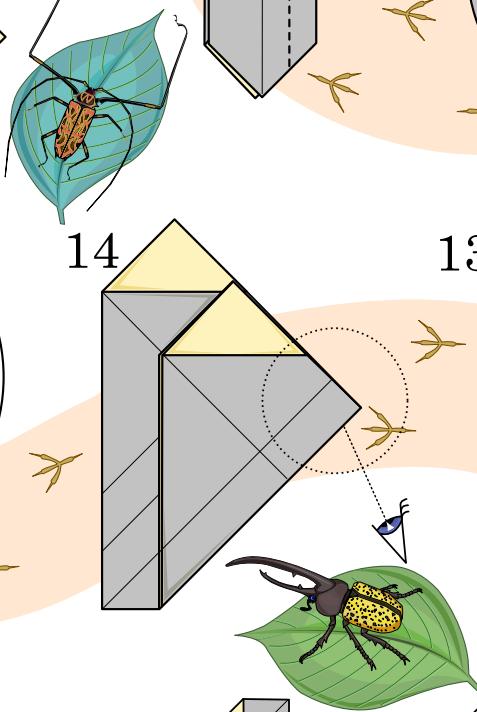
19



15

14

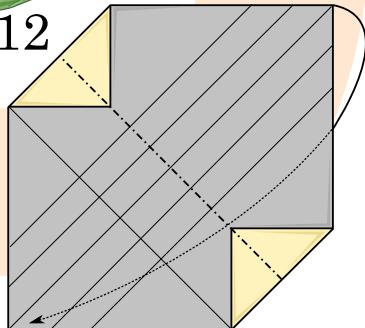
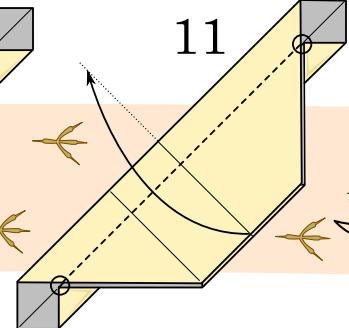
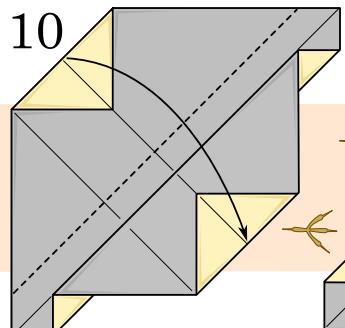
13



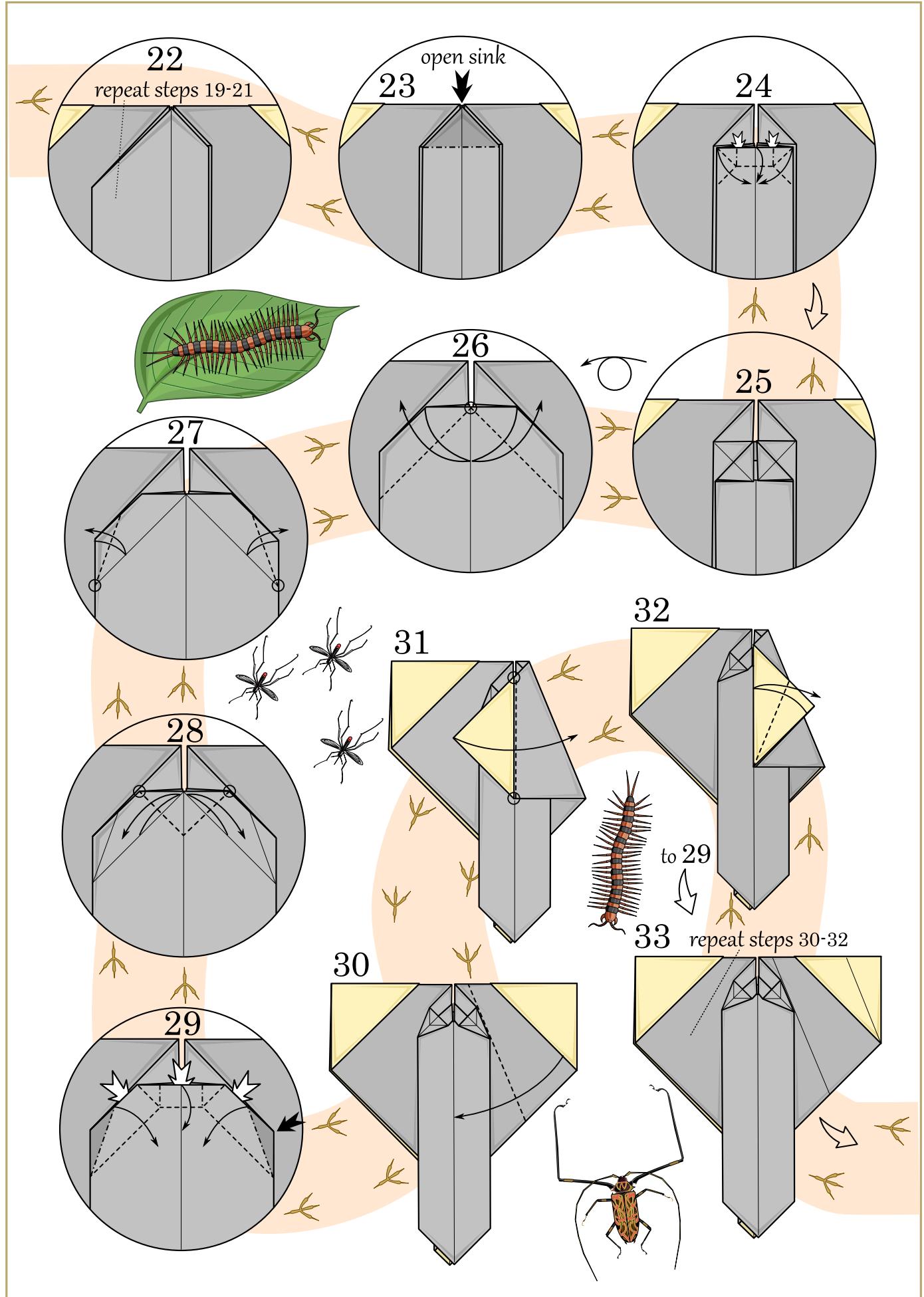
10

11

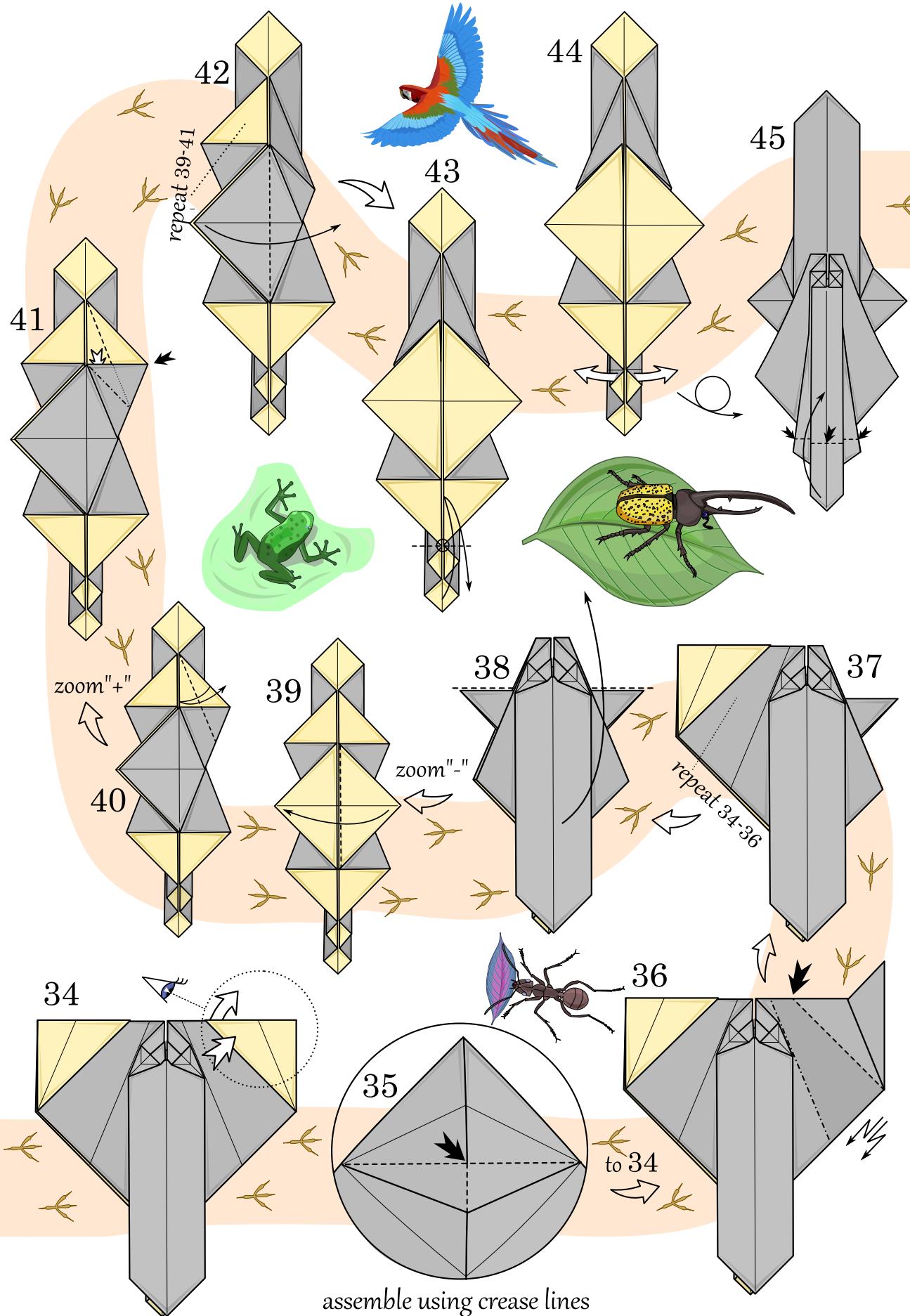
12



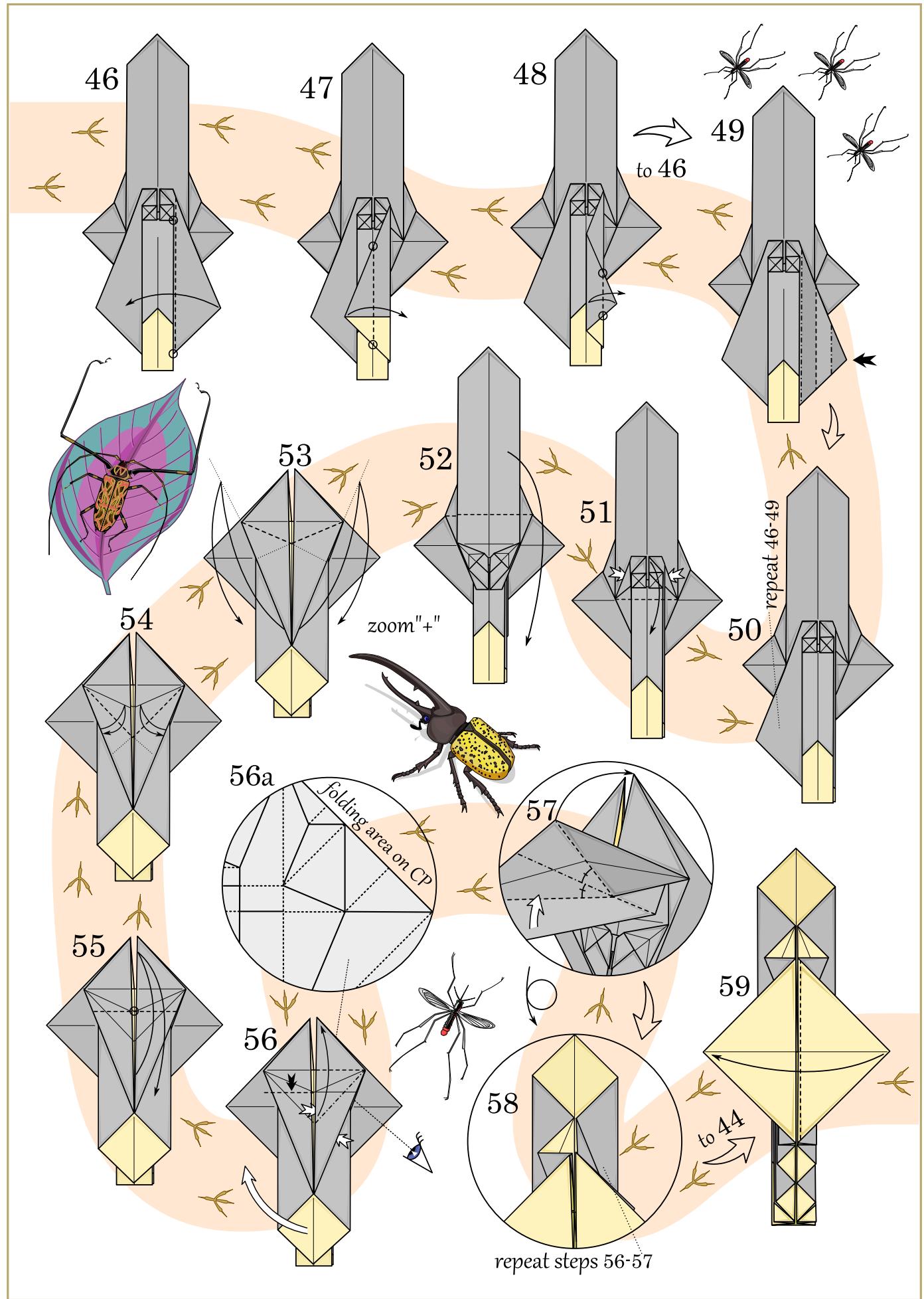
Quentin Trollip - Crested Oropendola



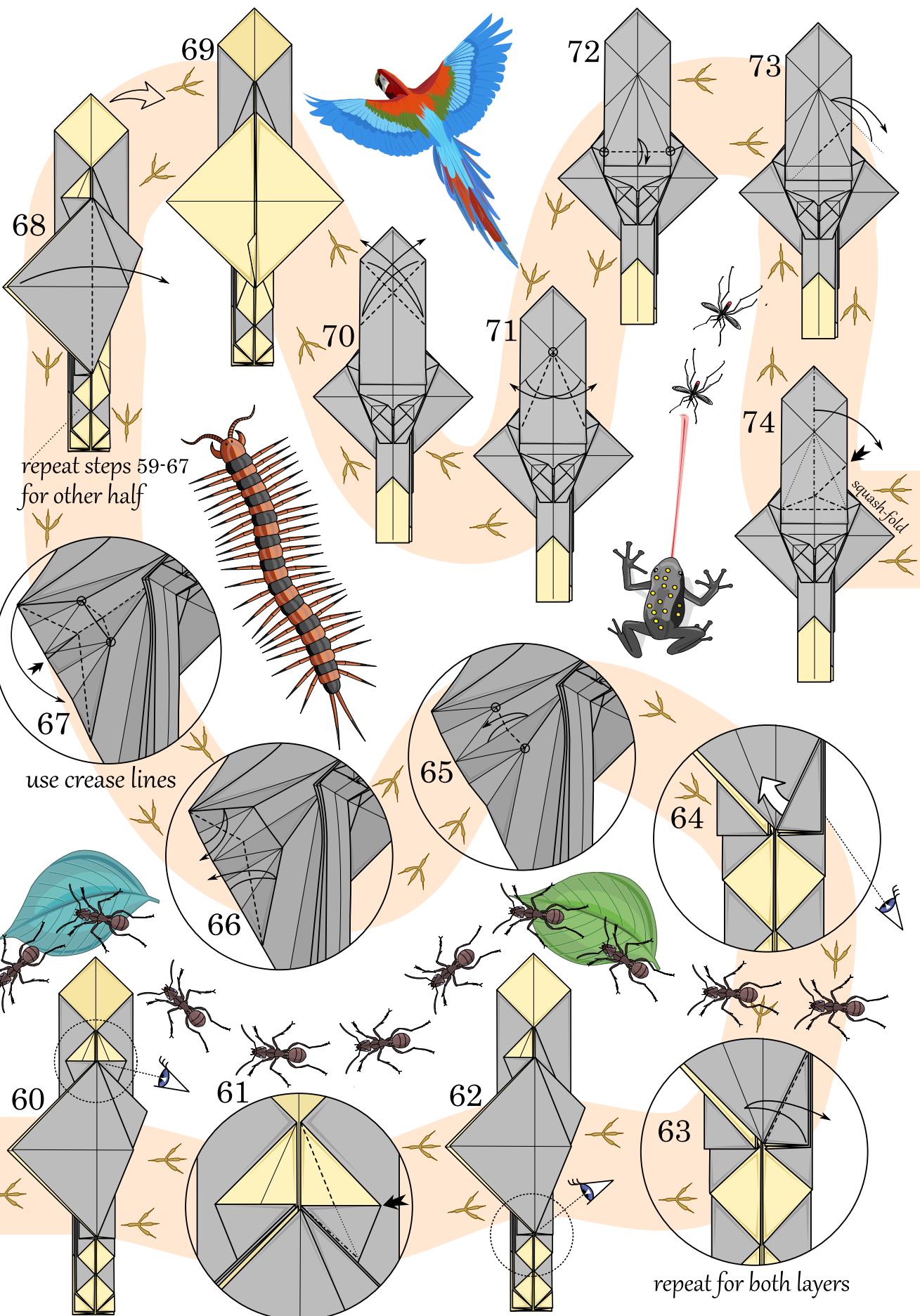
Quentin Trollip - Crested Oropendola



Quentin Trollip - Crested Oropendola

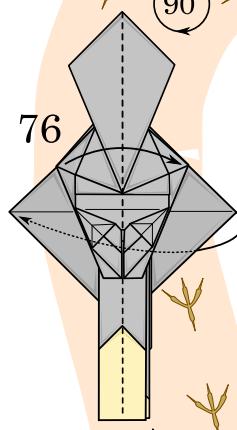
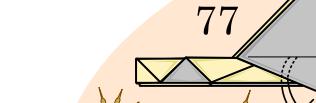


Quentin Trollip - Crested Oropendola



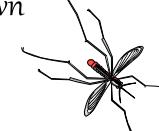
Quentin Trollip - Crested Oropendola

pull the central point down
90 degrees

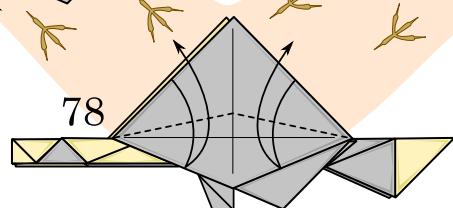


90°

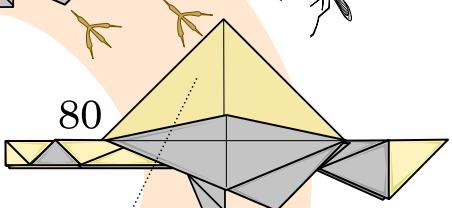
rabbit-ear into the pocket behind



79

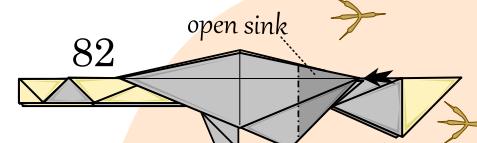


78



80

repeat 78-79 behind



82

open sink

repeat 81-82 behind

81

83

91

75

84

90

repeat behind

86

87

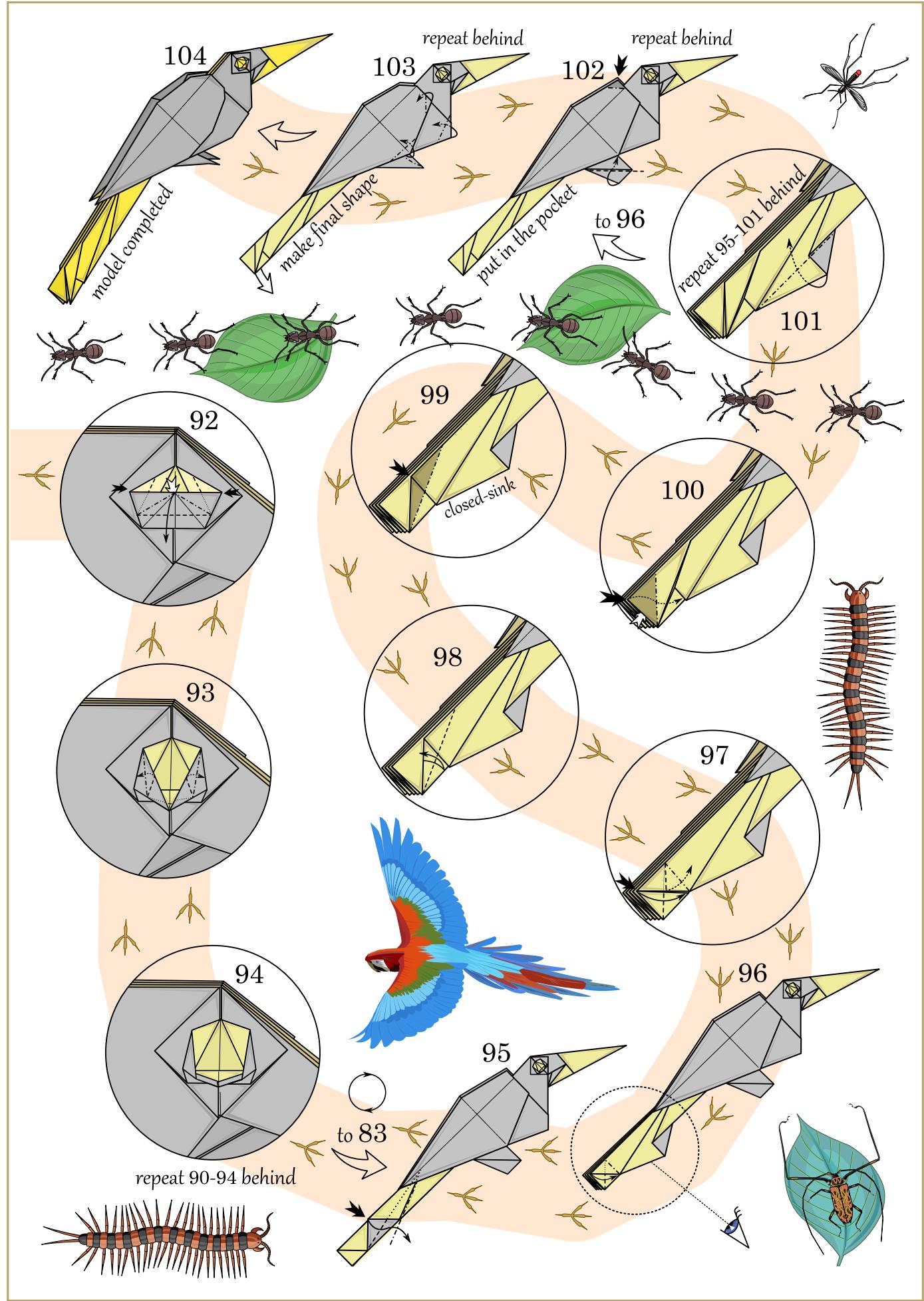
88

89

repeat behind

30

Quentin Trollip - Crested Oropendola



Task №6

"Crow"

Designed by Andrey Ermakov

Difficulty: ***** --

Paper: (20-30) g/m²
tissue-foil (recommended)

Recomended size: 1 m - 1 m

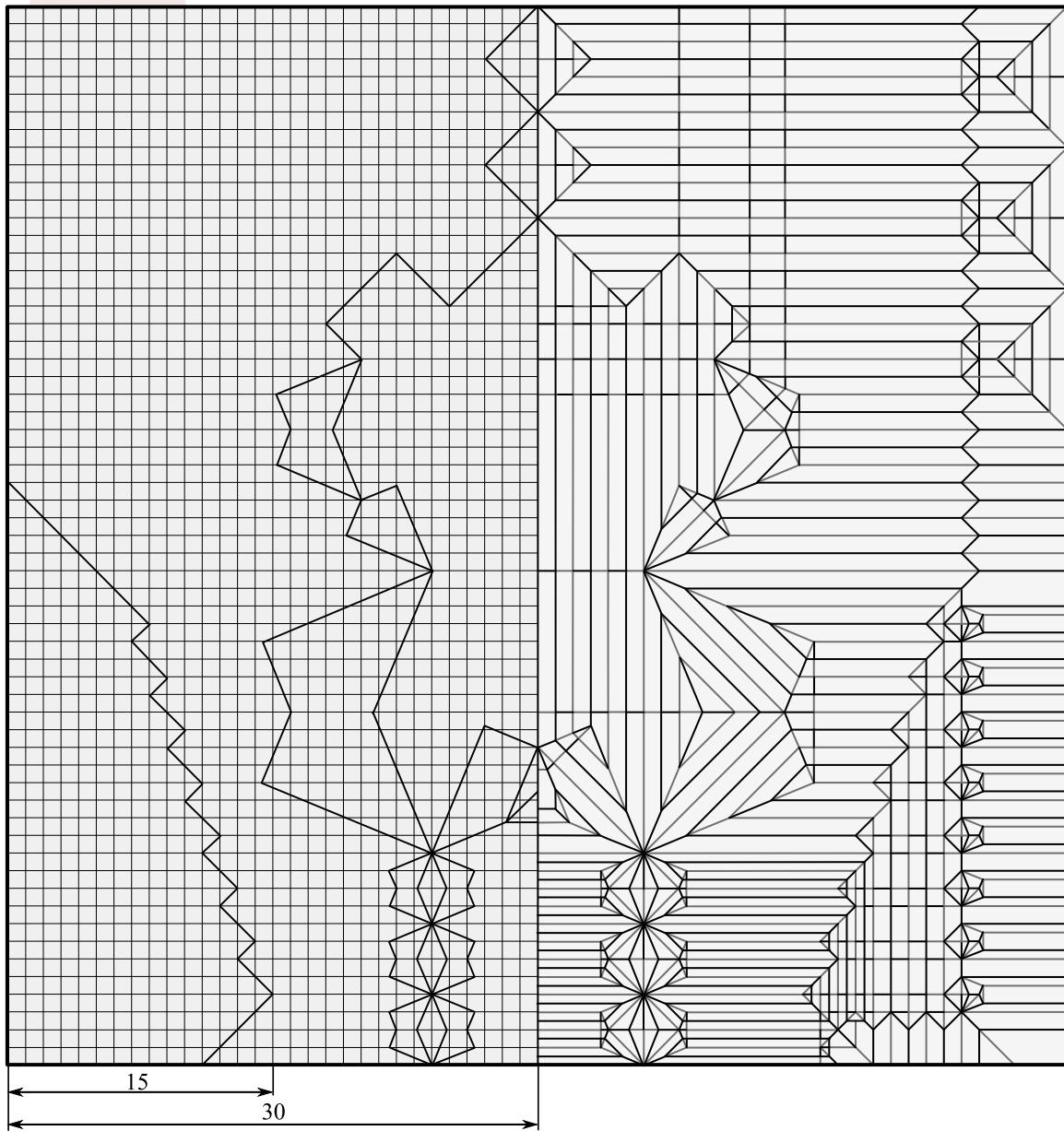
Length: 25 cm

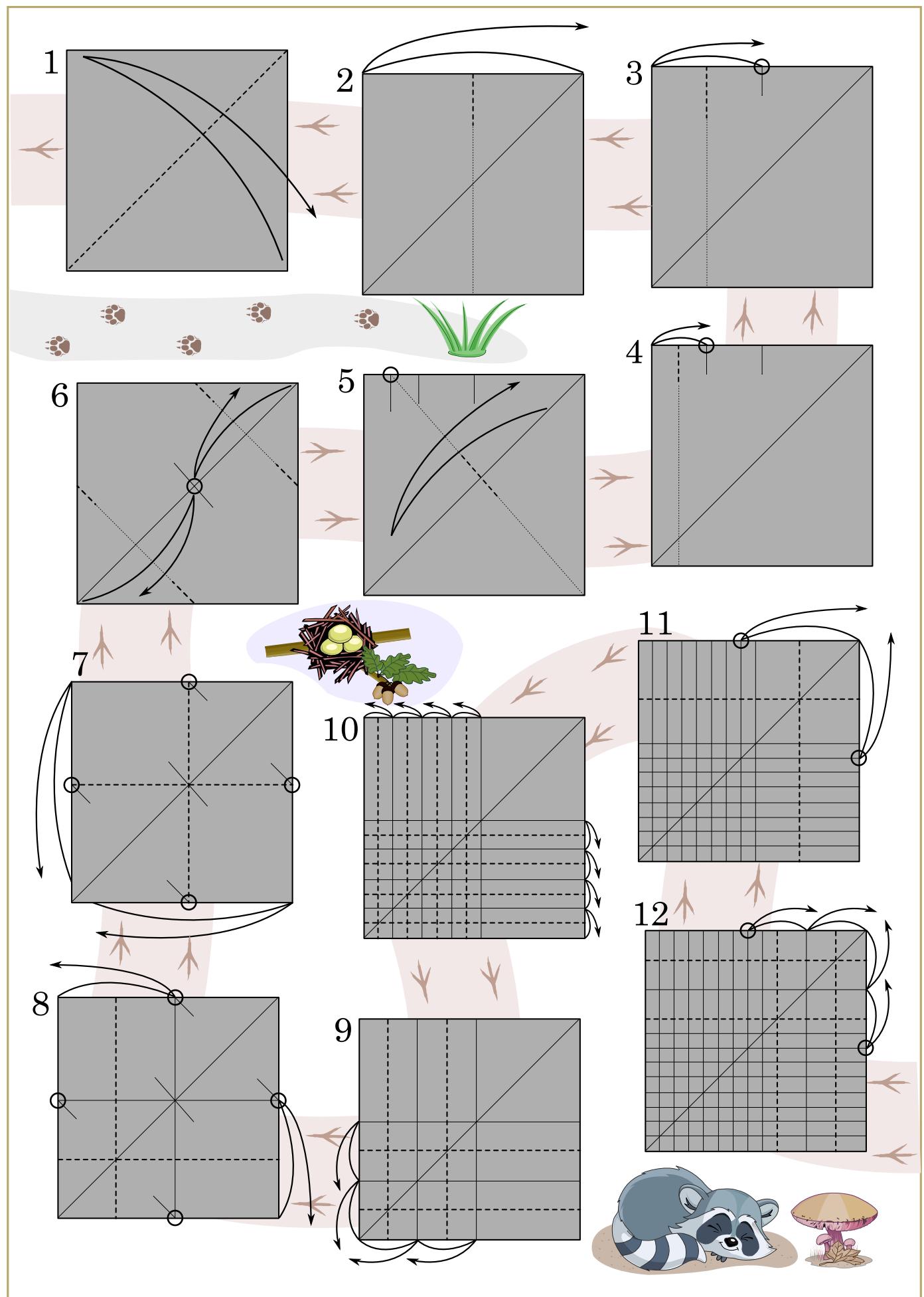
Build time: 8-10 hours

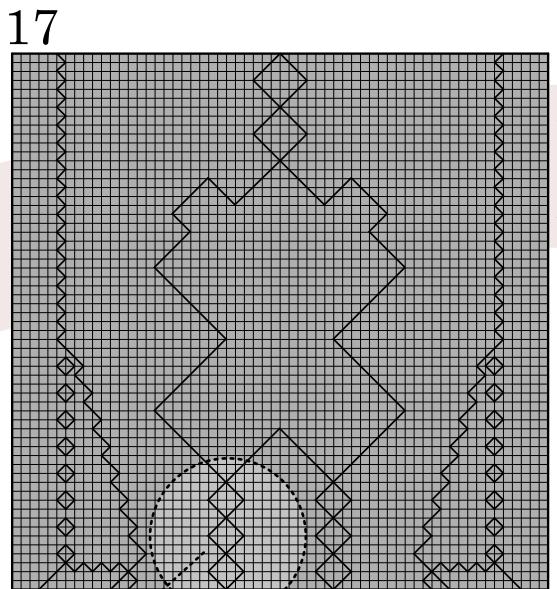
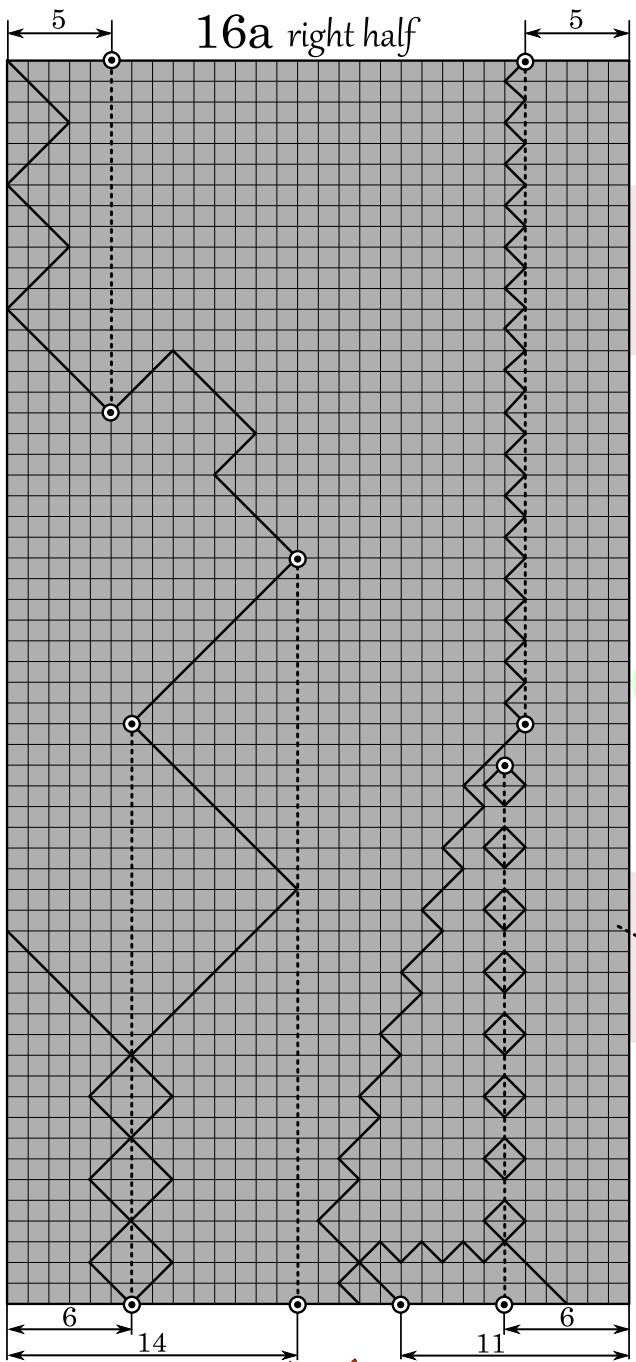
Max score: 12 points



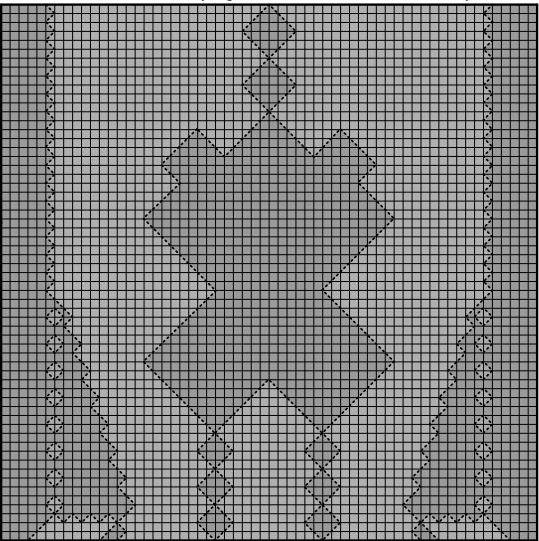
CP half



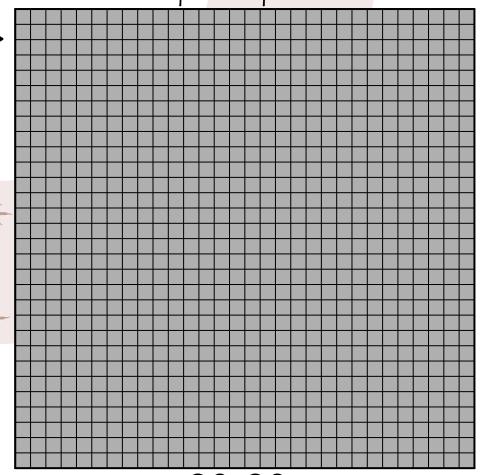




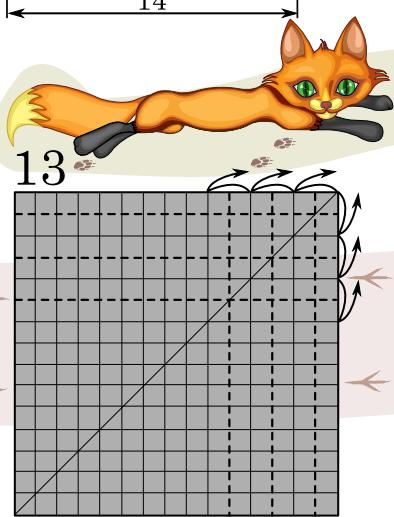
16 make BP-shape from coordinates (step 16a)

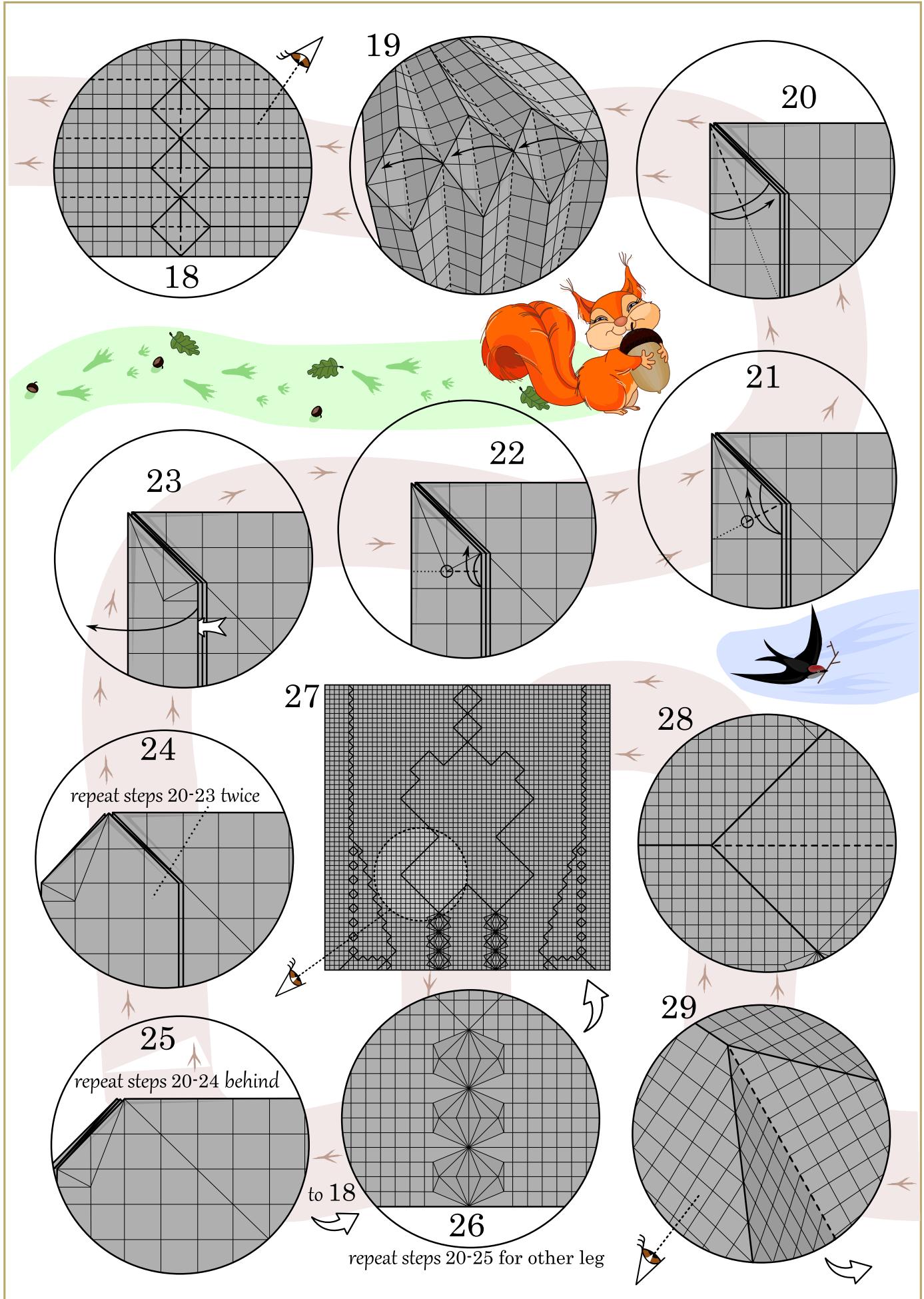


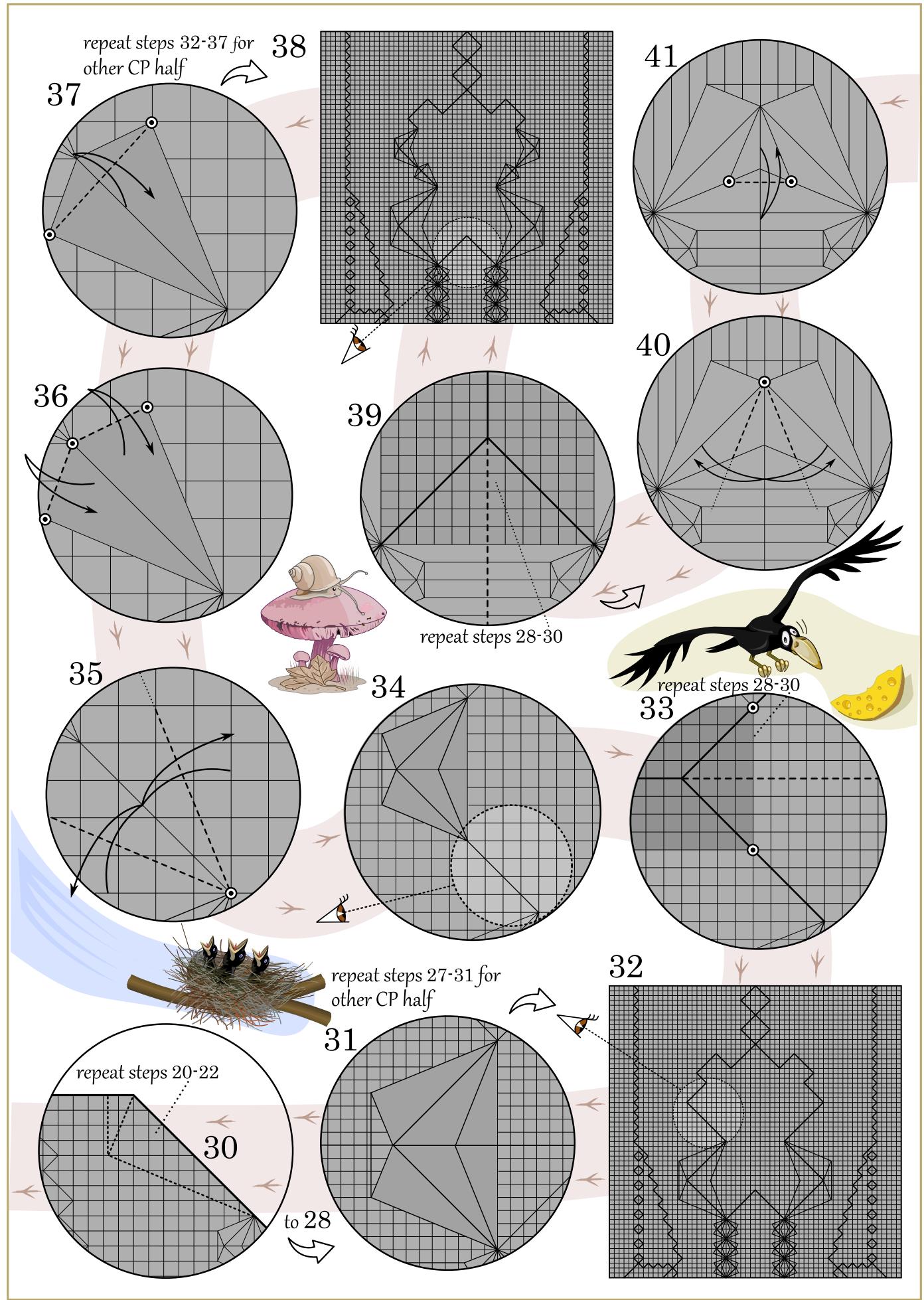
15

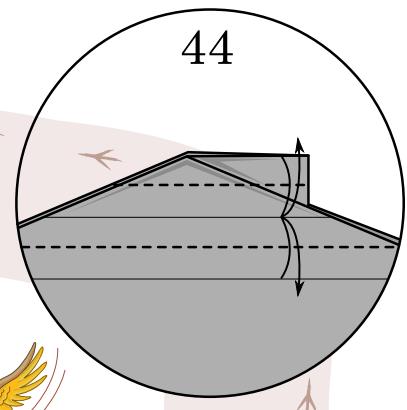
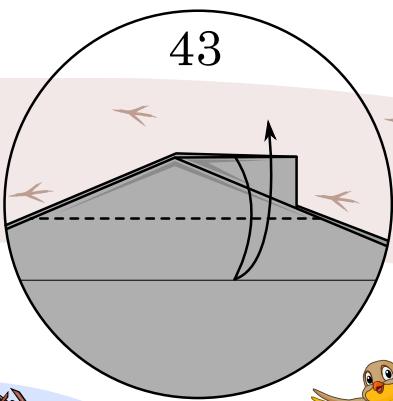
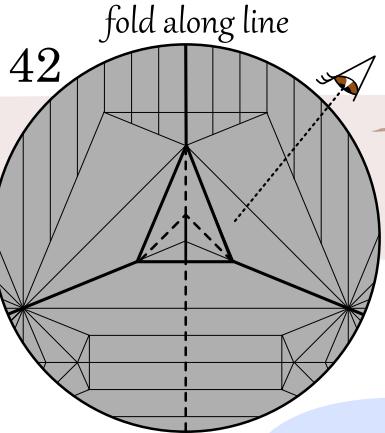


14 repeat step 13 for all parts

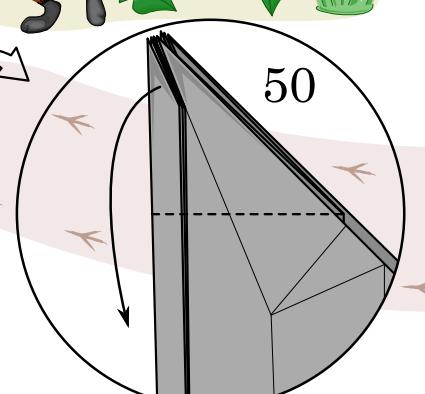
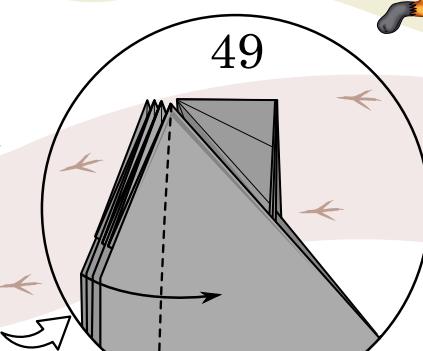
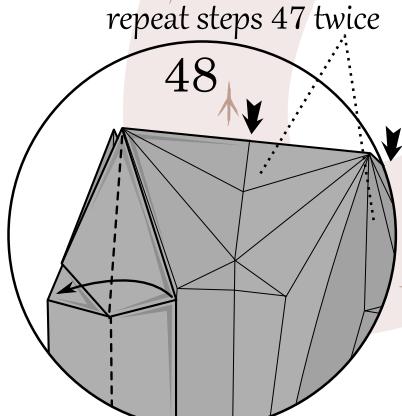
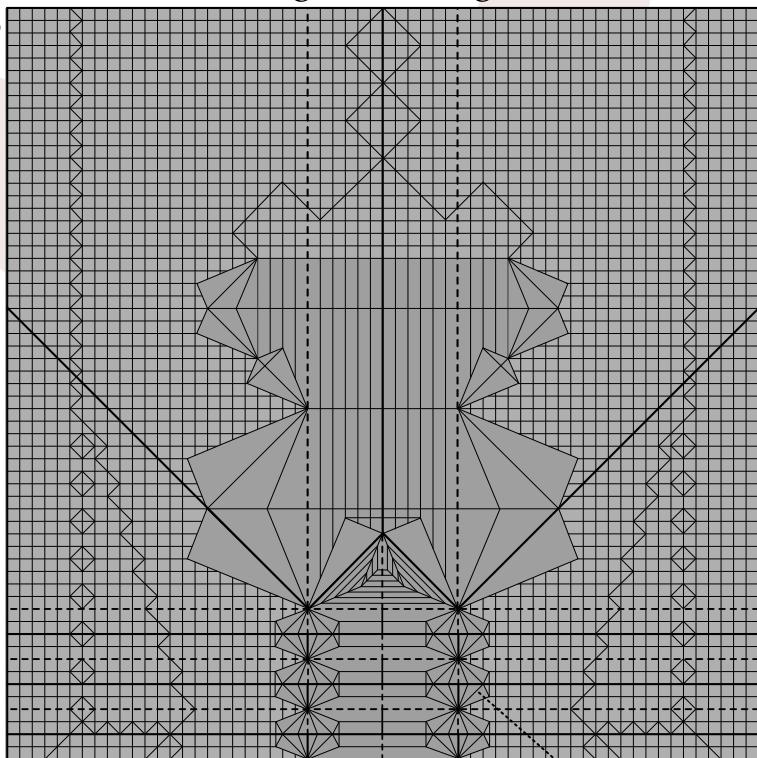
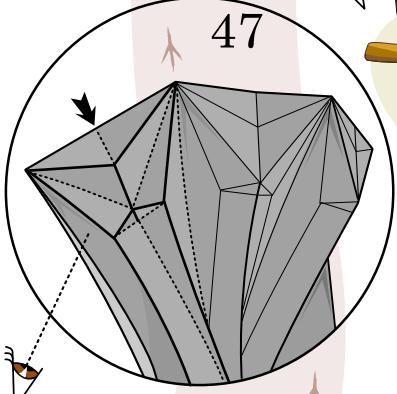
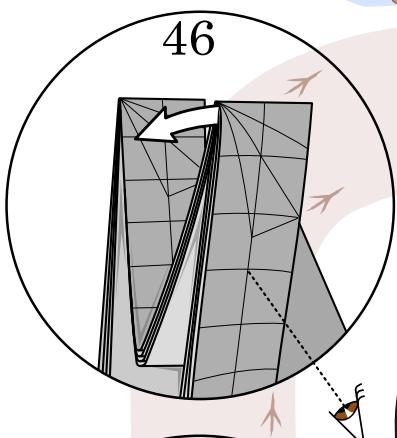




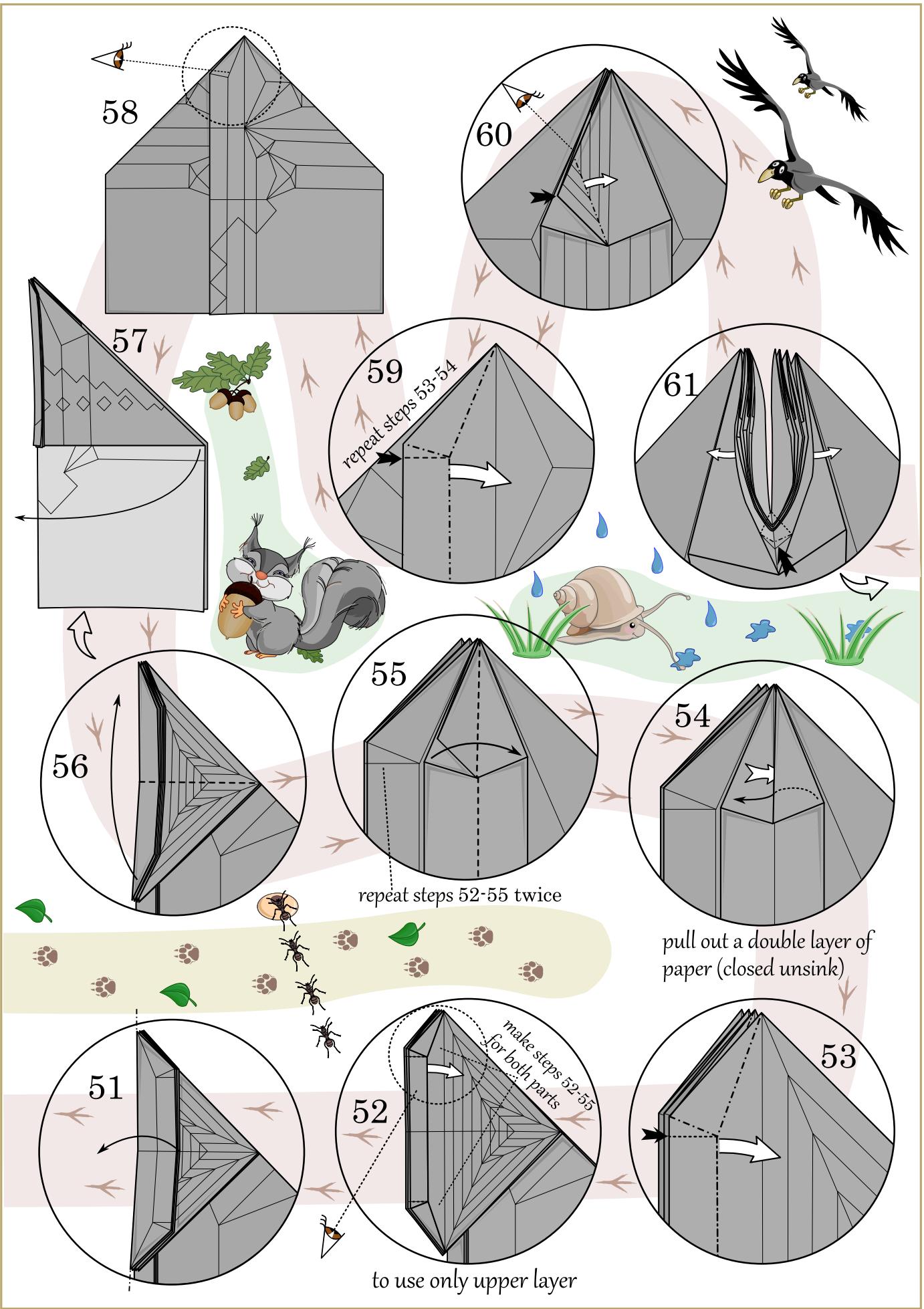




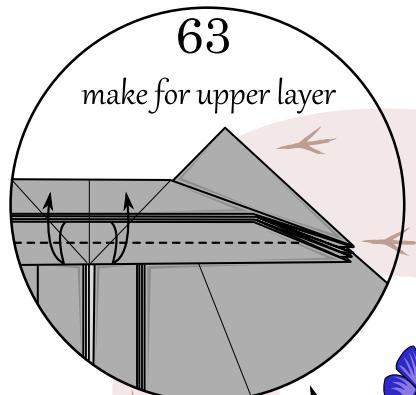
assemble using the existing crease lines



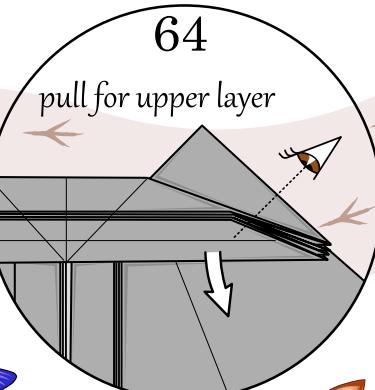
repeat steps 46-49 behind



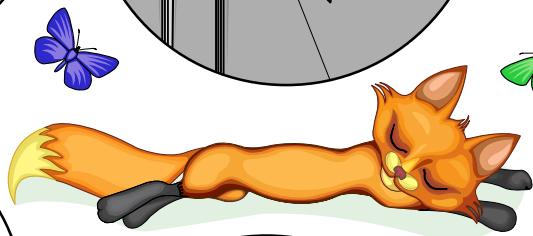
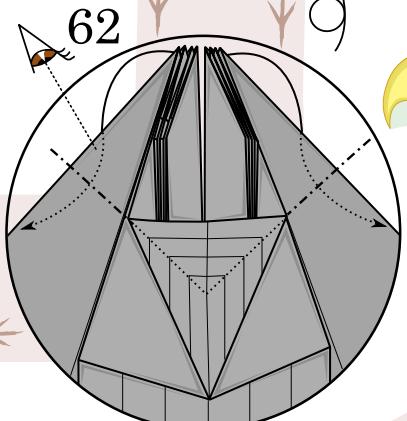
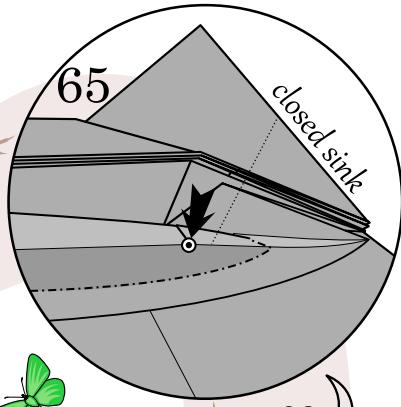
63
make for upper layer



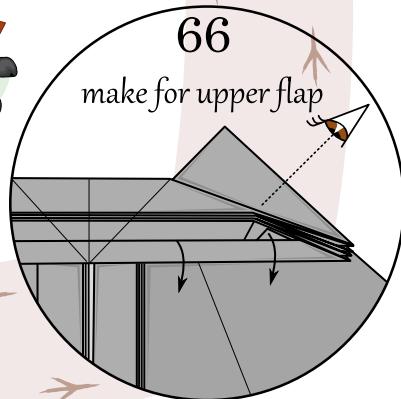
make steps 65 - 69 for both edge



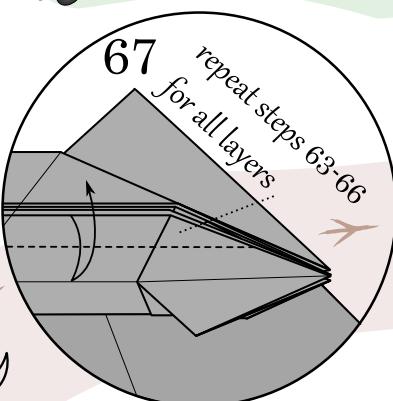
65



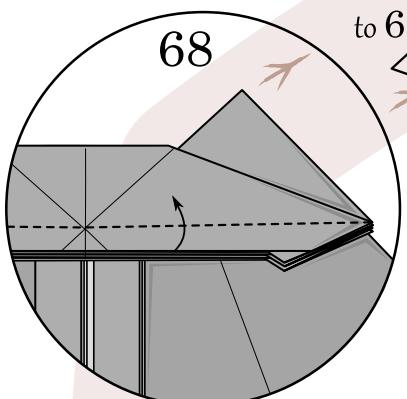
66



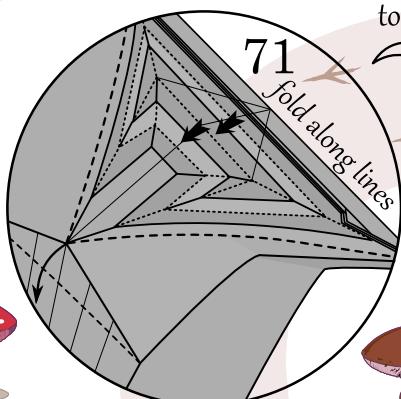
67



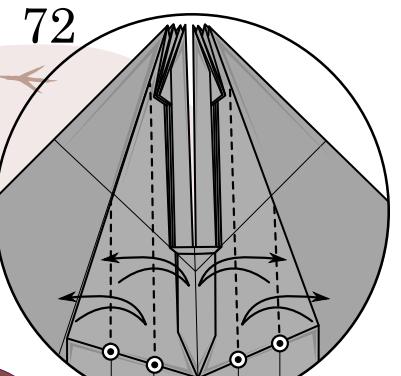
68



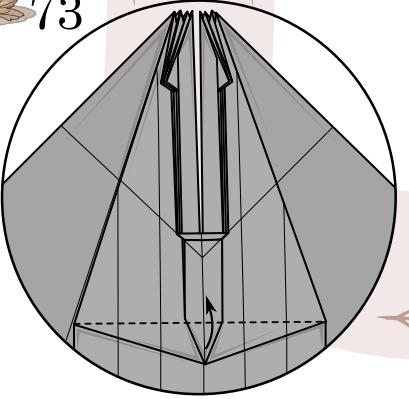
to 63



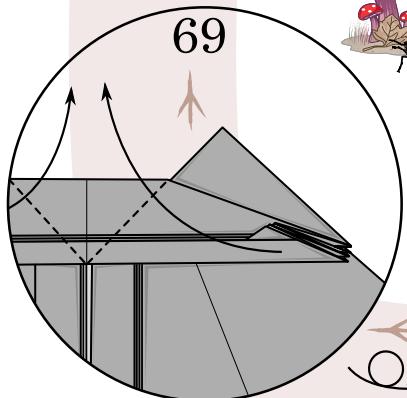
71
fold along lines



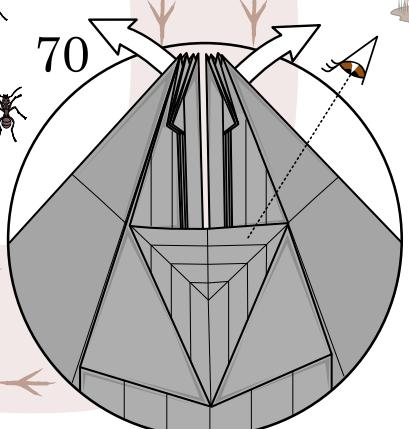
73



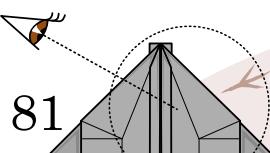
69



70

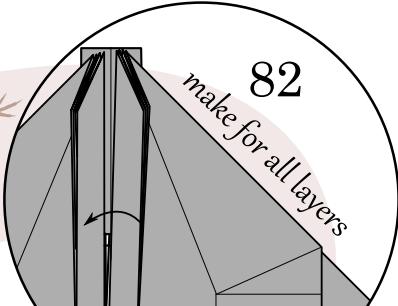


to 62



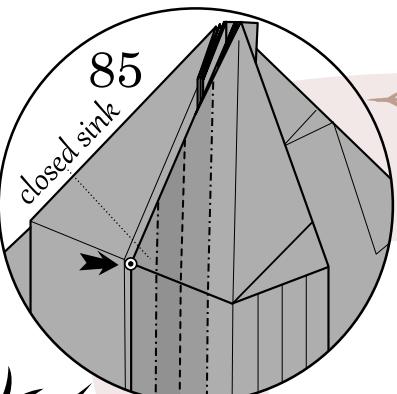
81

make for all layers

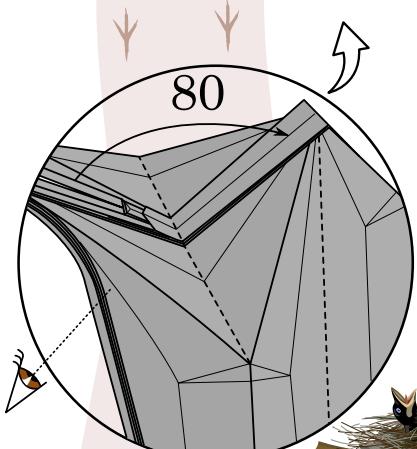


82

closed sink

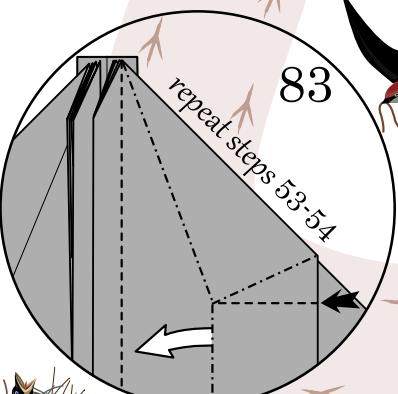


85



80

repeat steps
53-54

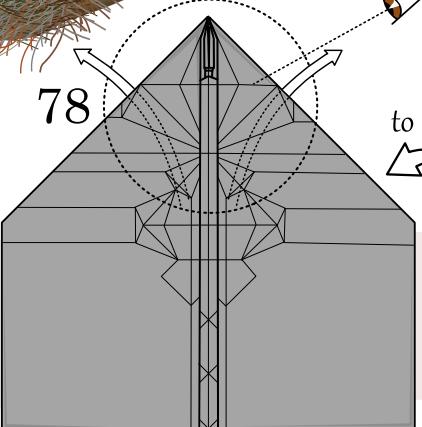


83

84

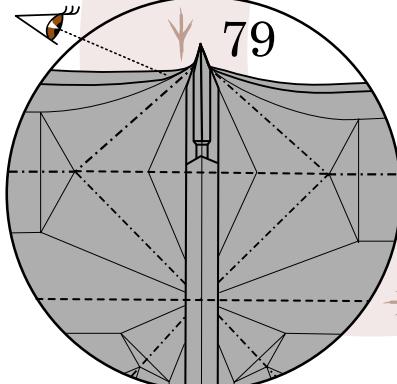
84

77



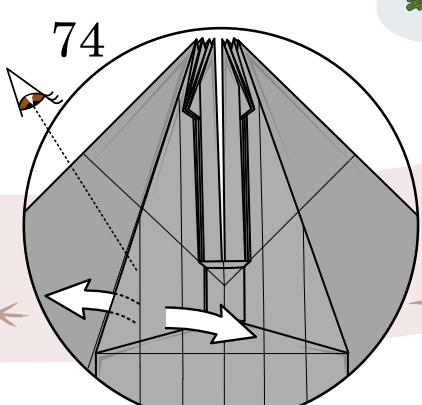
78

to 58

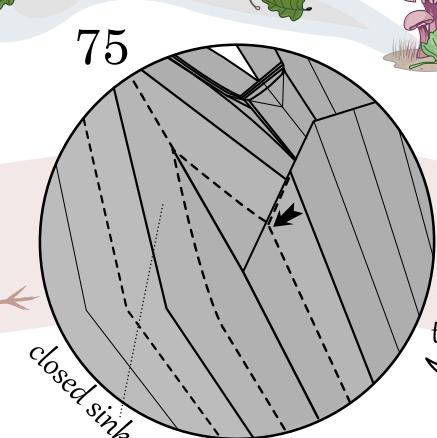


79

assemble using the crease lines

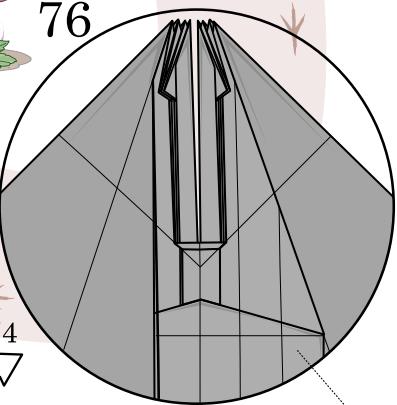


74



75

closed sink

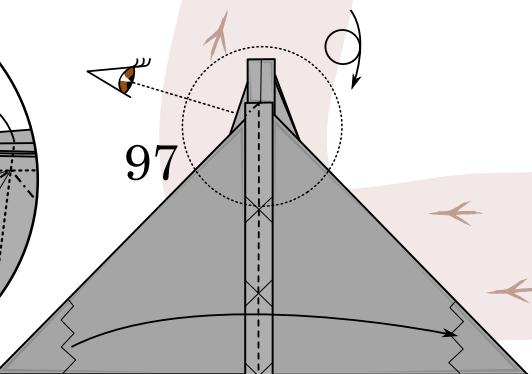
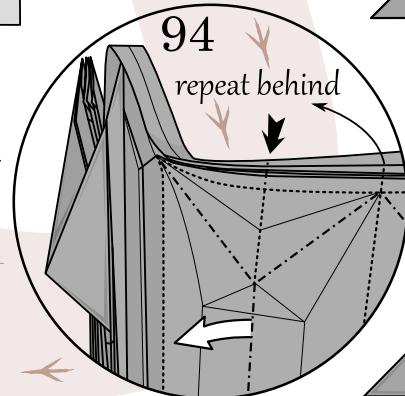
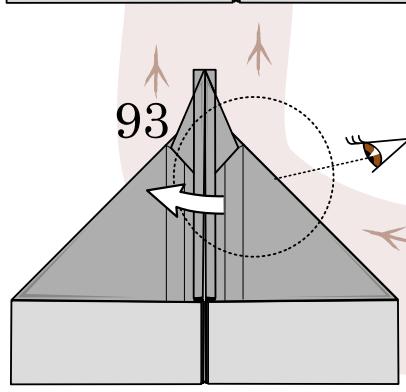
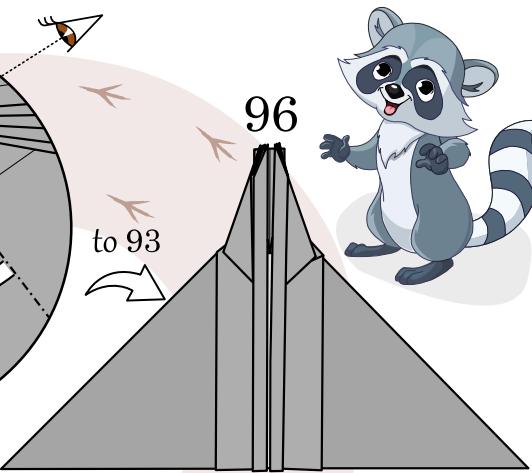
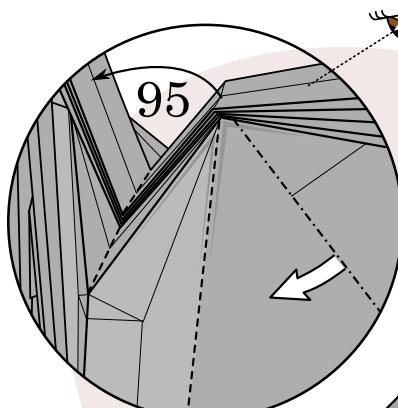
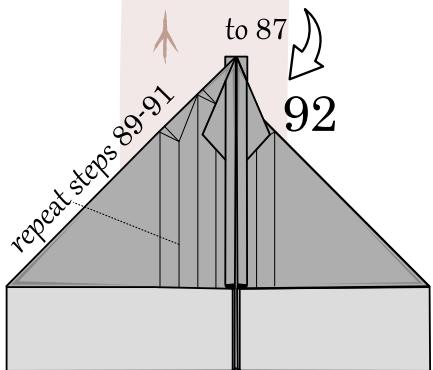
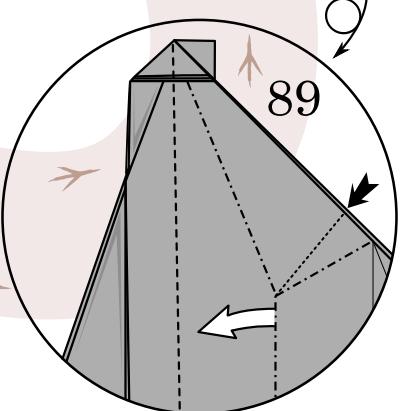
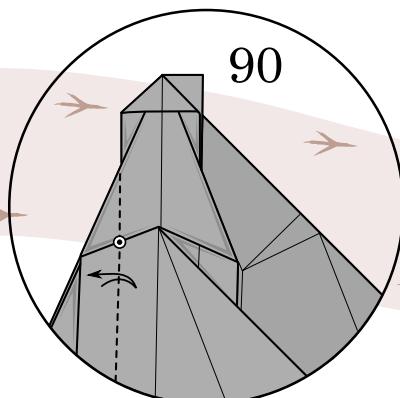
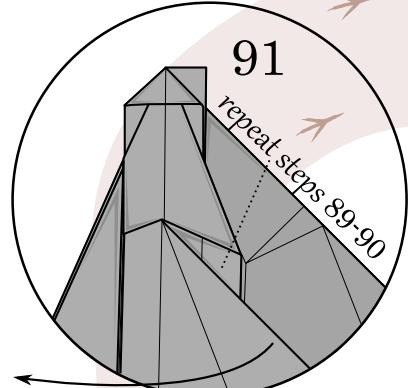
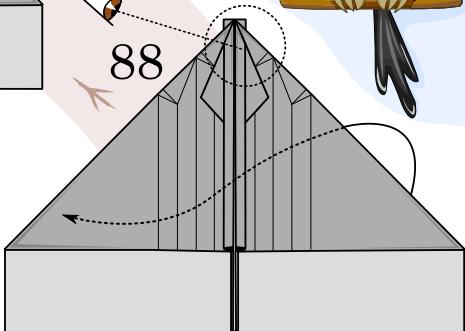
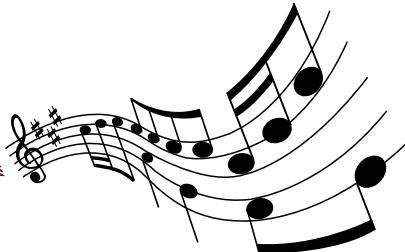
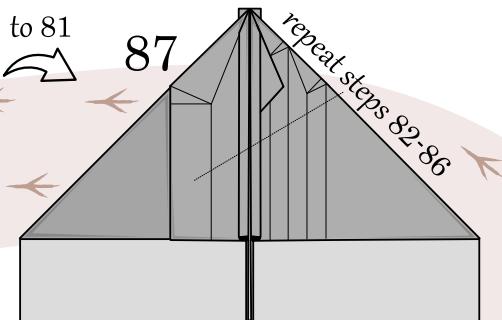
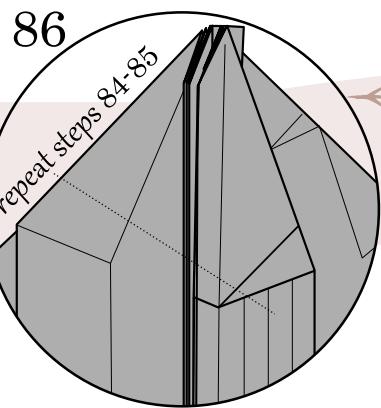


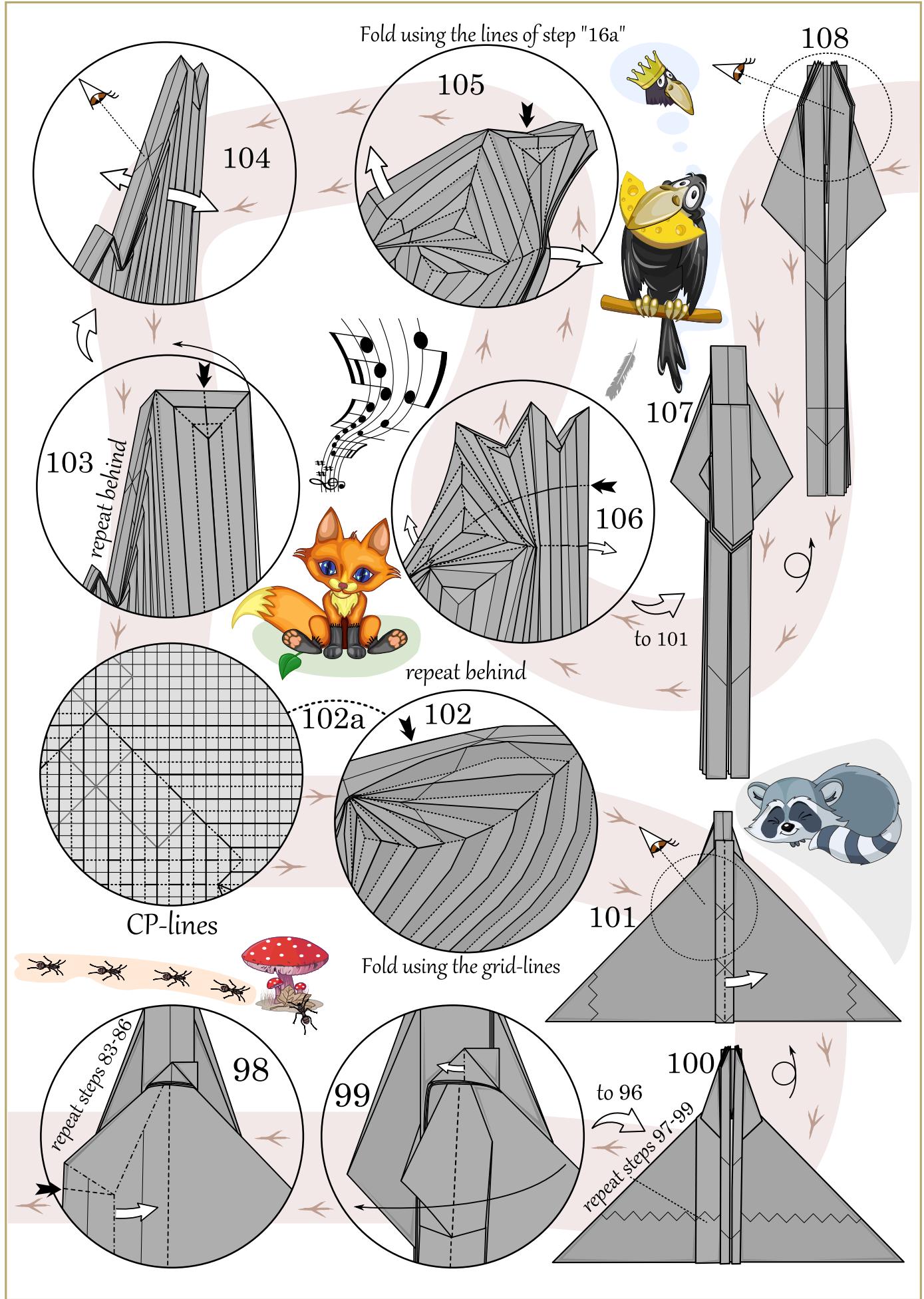
76

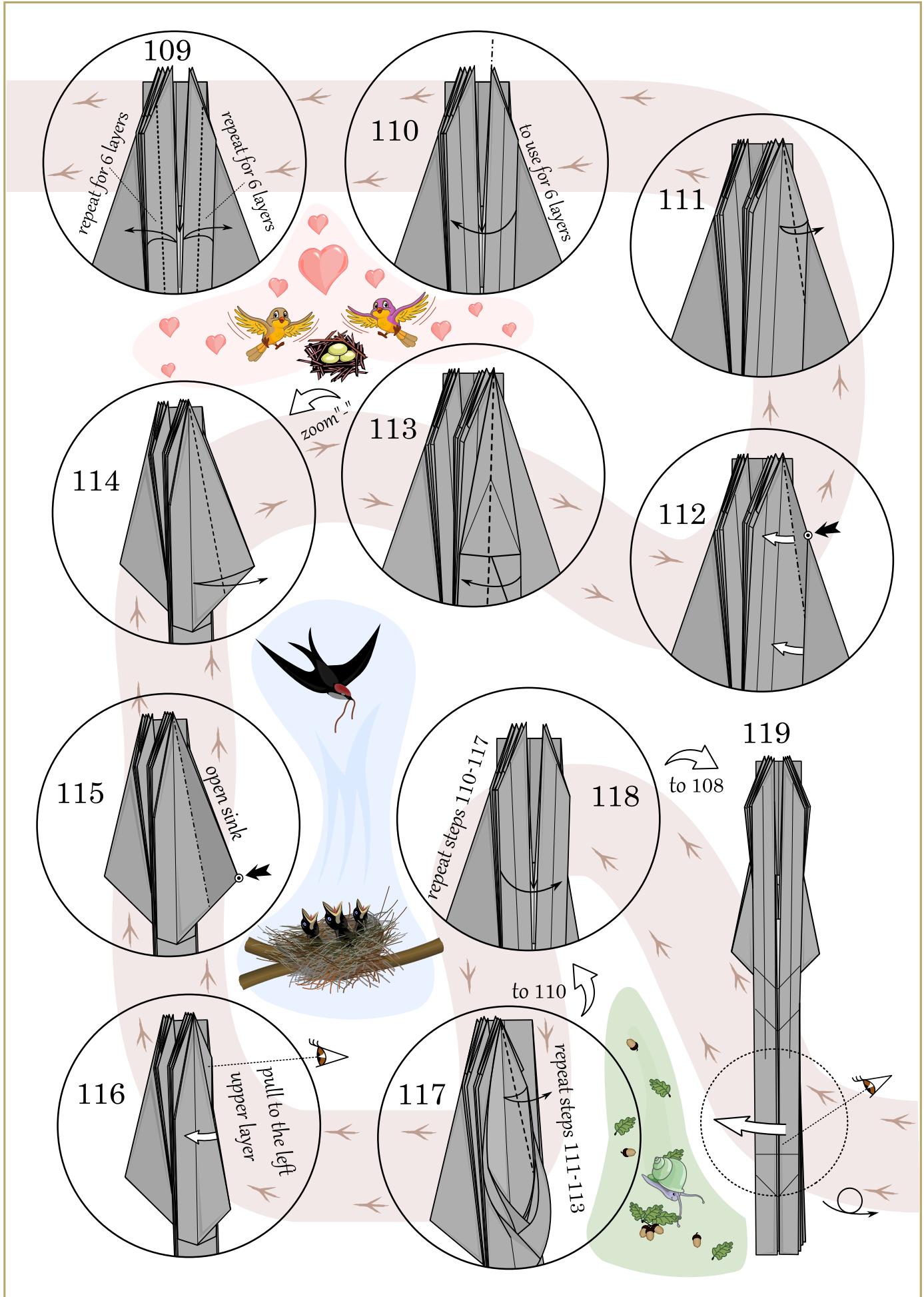
to 74

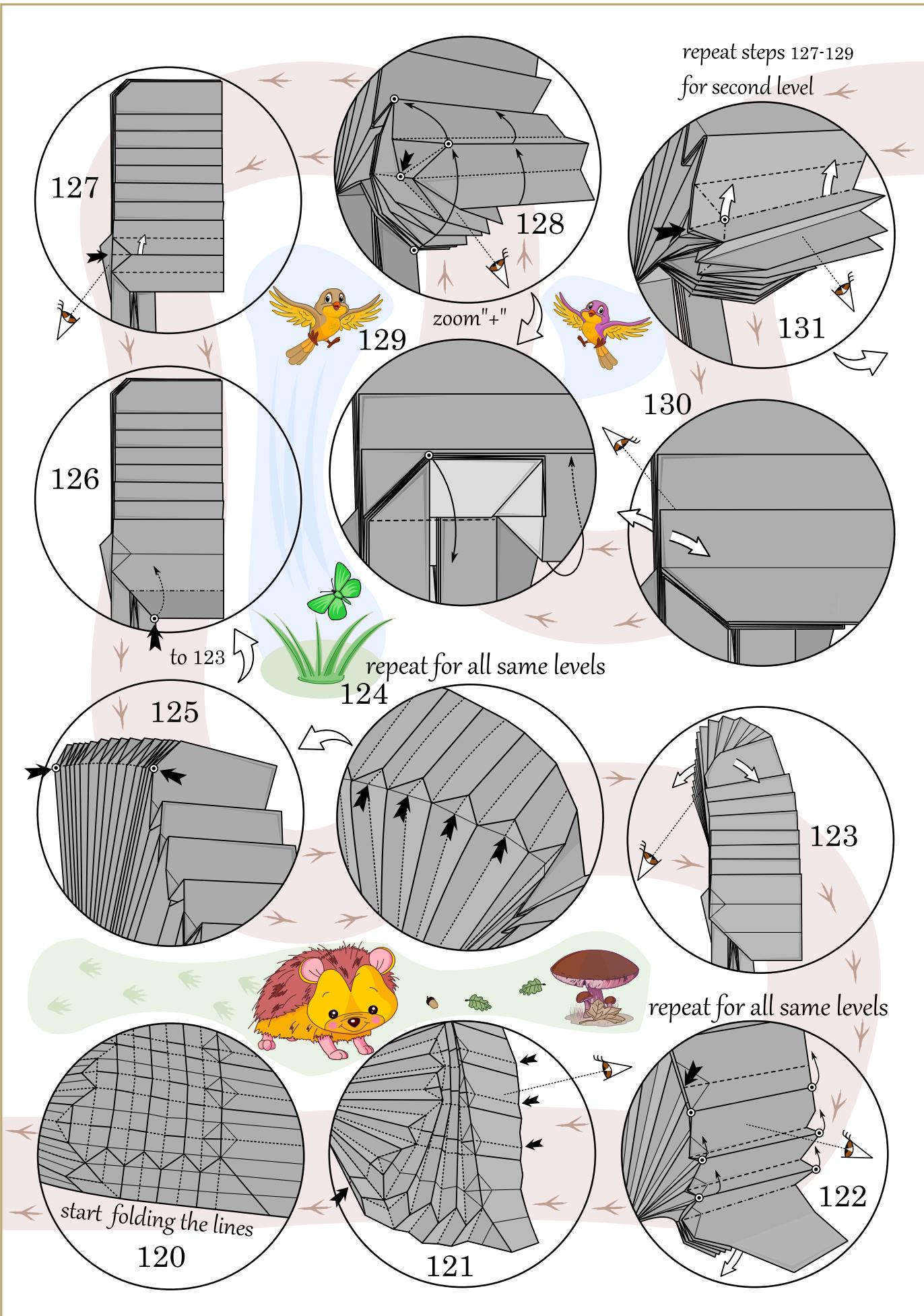
repeat steps 74-76 to the right

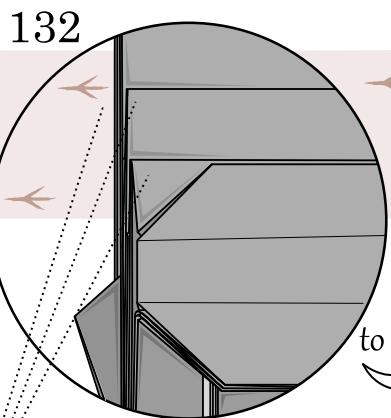
Andrey Ermakov - Crow



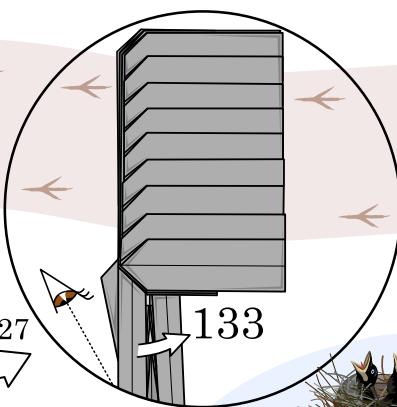








132



to 127

133

repeat 130-131 to all same levels

134

136

135

134a

to 133

137

140

141

repeat 2 times

zoom"-"

138

139

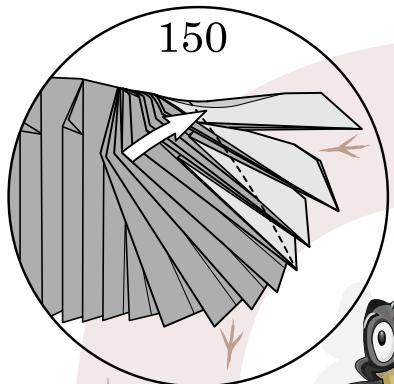
repeat steps 136-138 for
all same layers

142

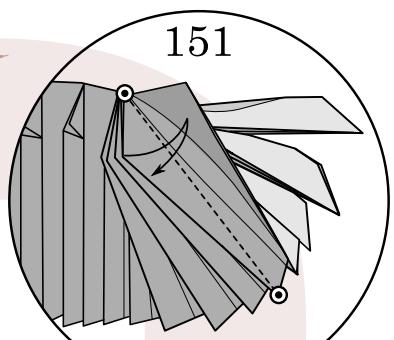
to 140

45

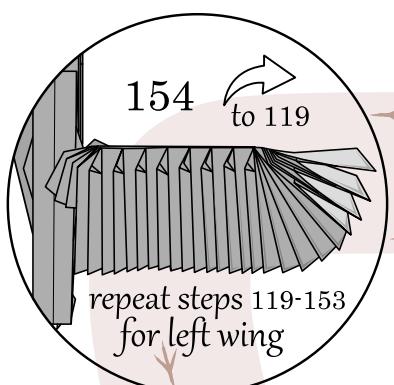
150



151

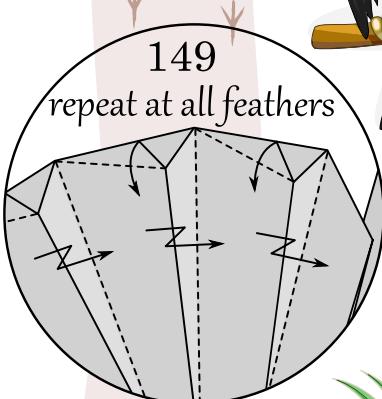


154
to 119

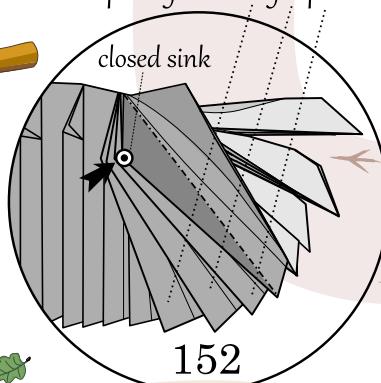


149

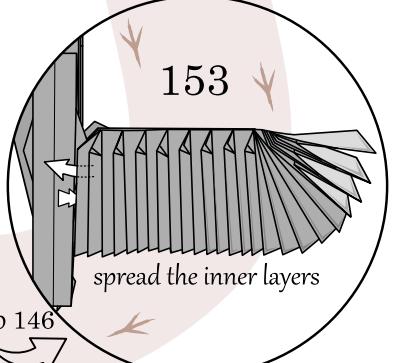
repeat at all feathers



closed sink

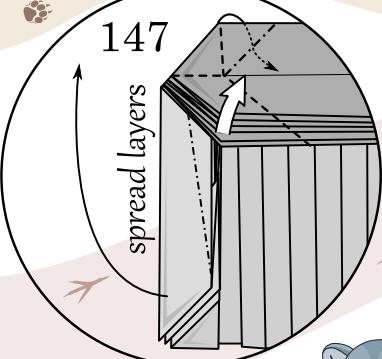


153

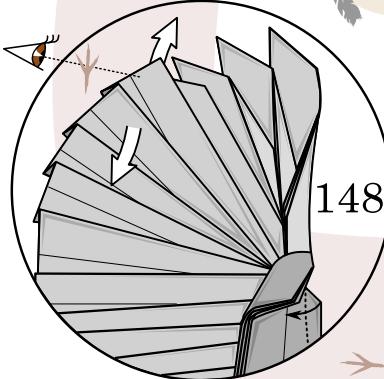
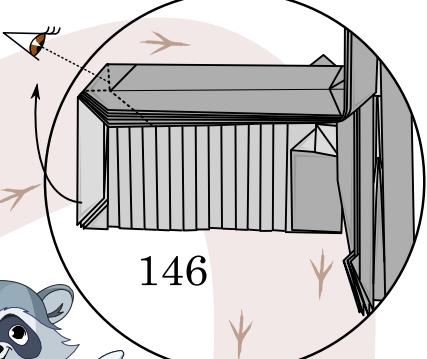


147

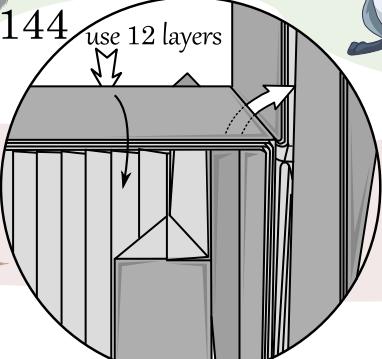
spread layers



146



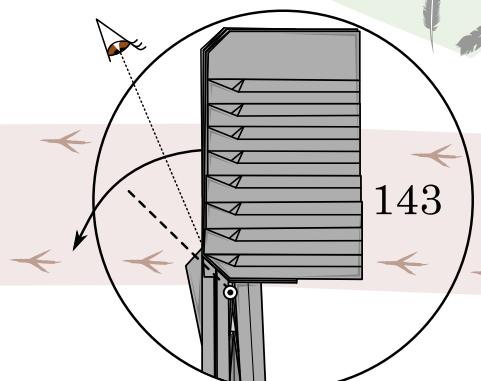
144 use 12 layers



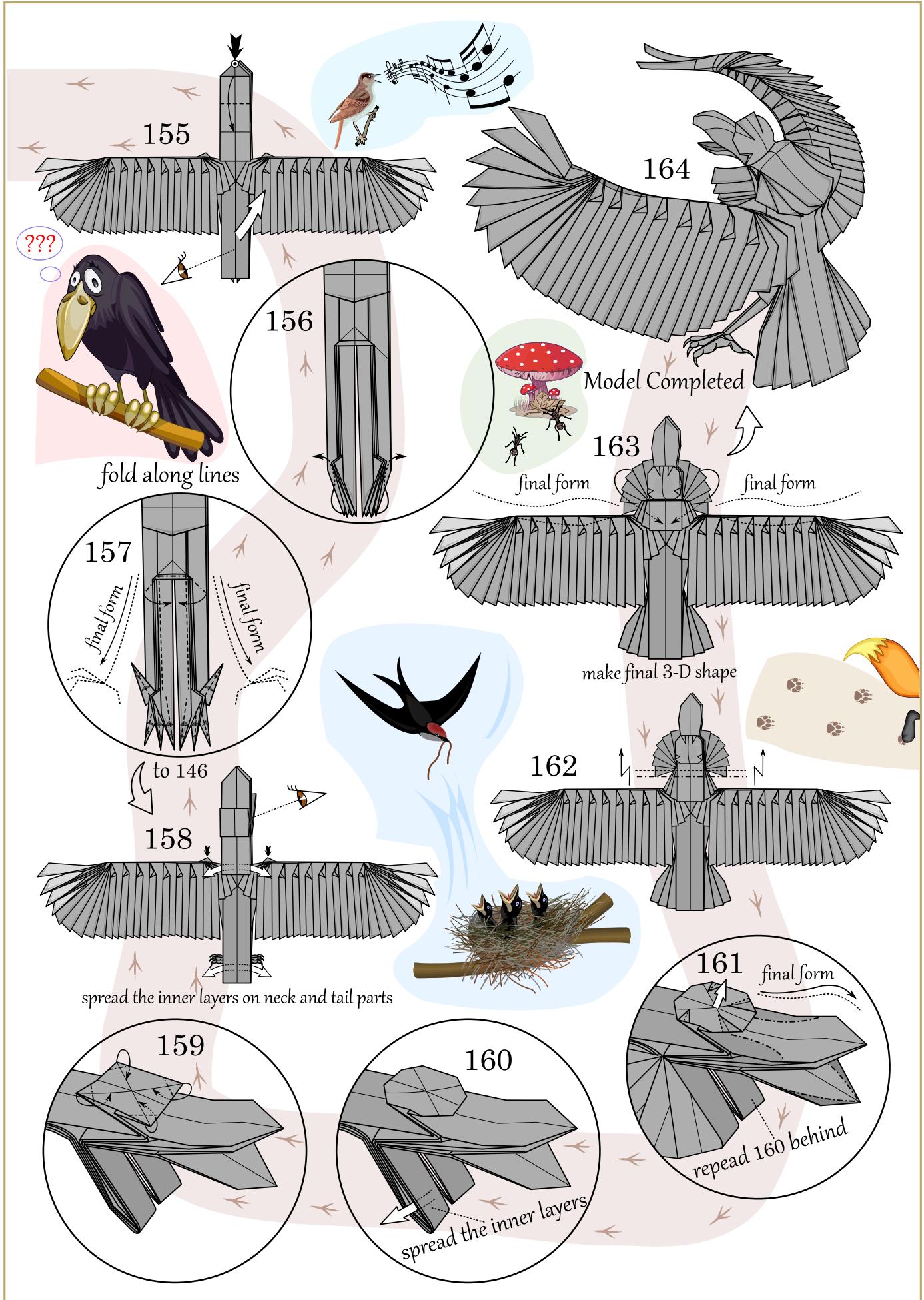
145



to 143



Andrey Ermakov - Crow



Scorpion

Task №7

Designed by Artur Biernacki

Difficulty: *****

Paper: 30 g/m²

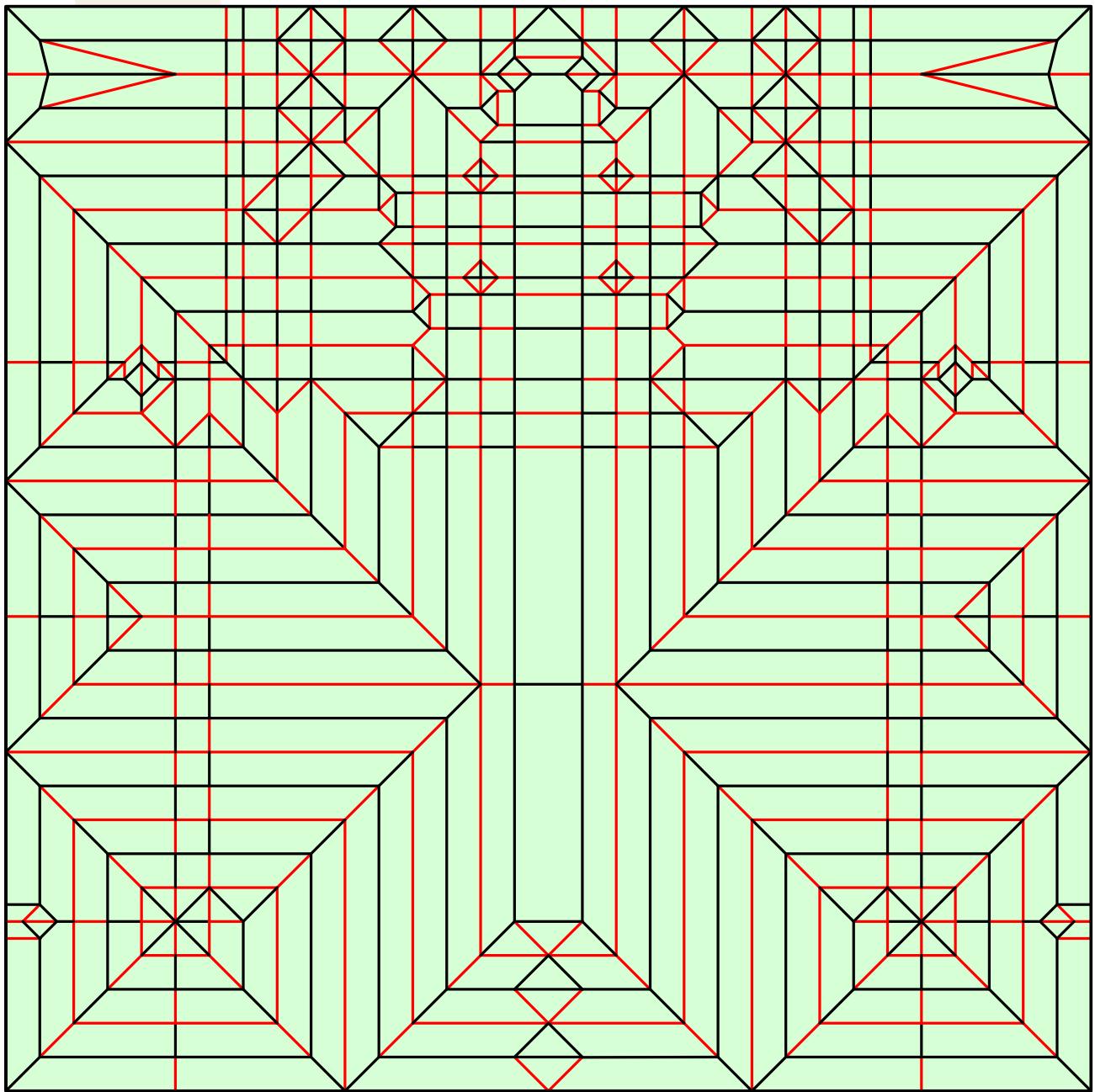
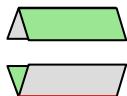
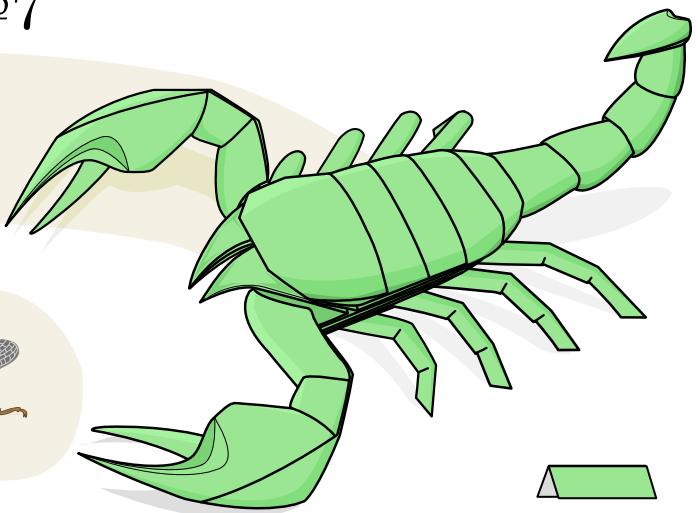
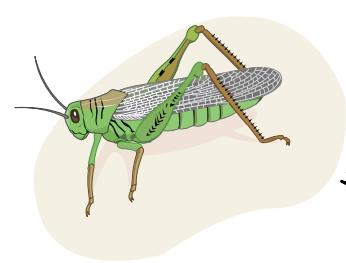
For size: 40 cm - 40 cm

Length: 13 cm

Build time: 3 hours

Max score : 8 points

CP



"Futurica"

Task №8

Designed by Ekaterina Lukasheva

Difficulty: ****

Paper: 80 - 100 g/m²

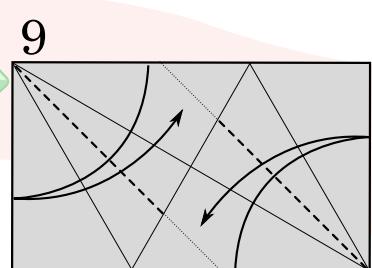
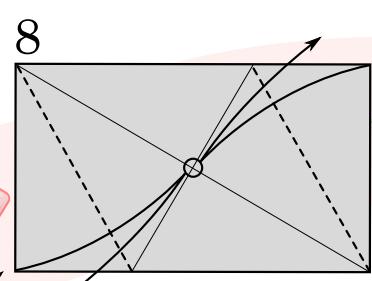
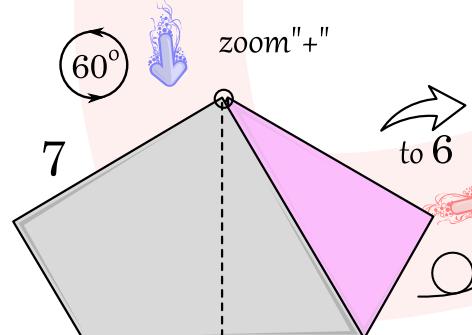
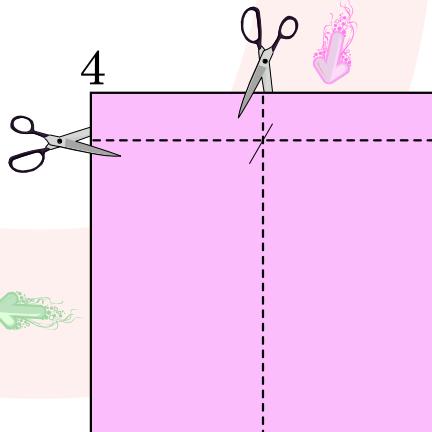
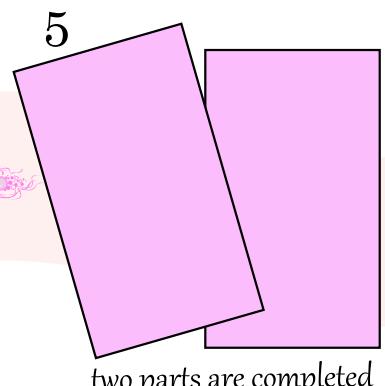
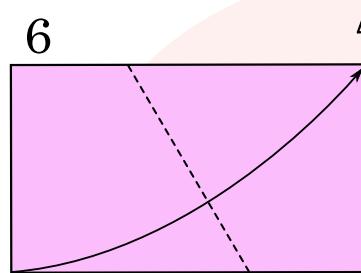
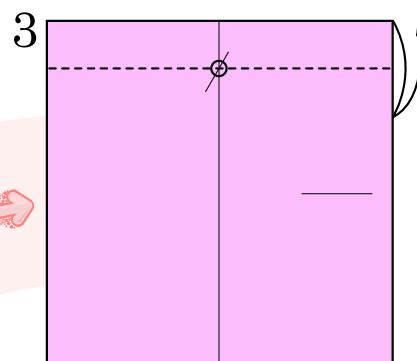
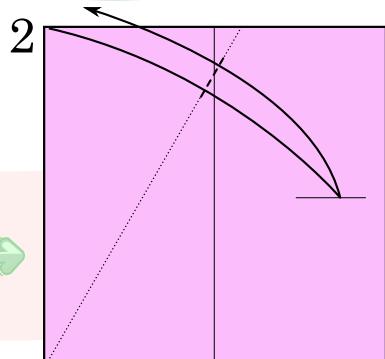
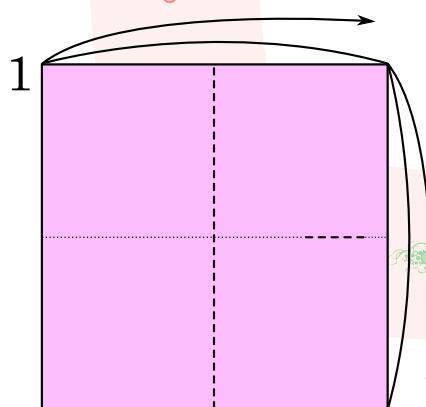
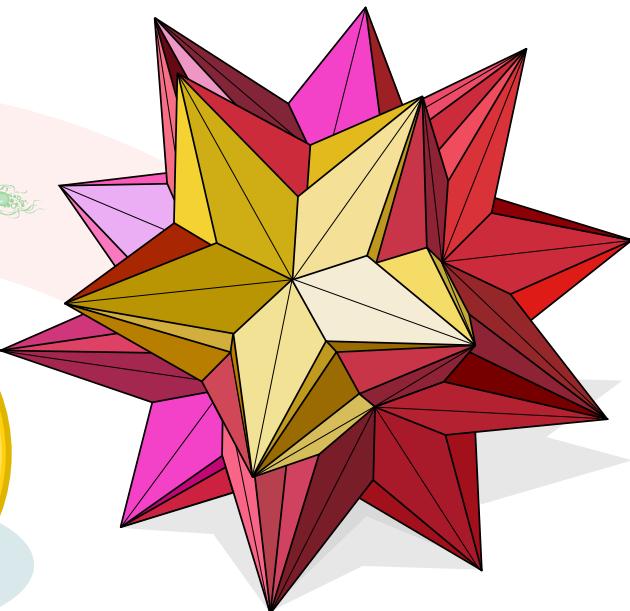
For size: 8,7cm - 15cm; ($1 \div \sqrt{3}$)

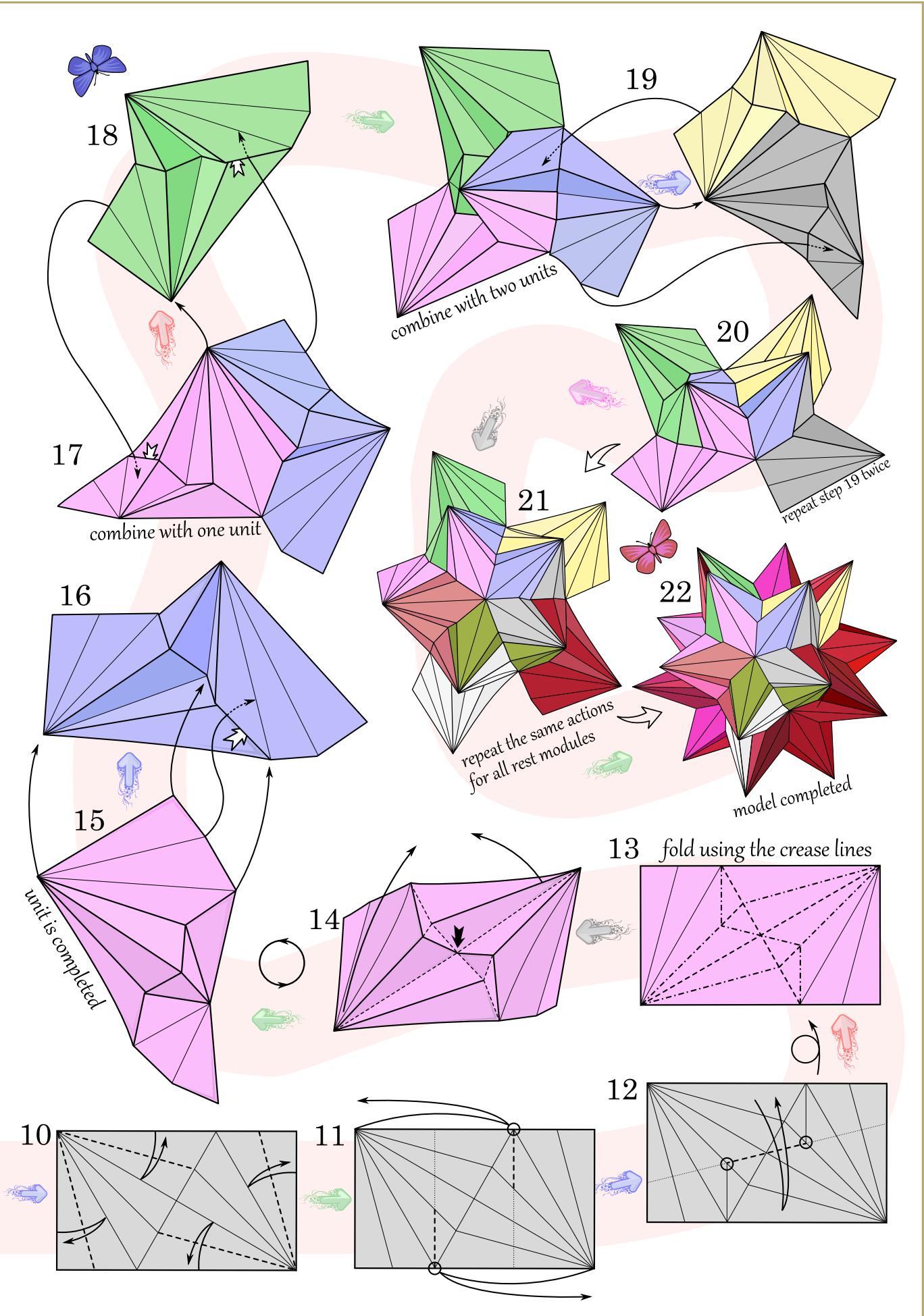
Height of the model: 24 cm

Total amount of units: 30

Total amount of squares: 15

Max score : 7 points





Task №9a

"Iso Area Cross Pattée Tessellation"

Designed by Daniel Kwan

Difficulty: *****

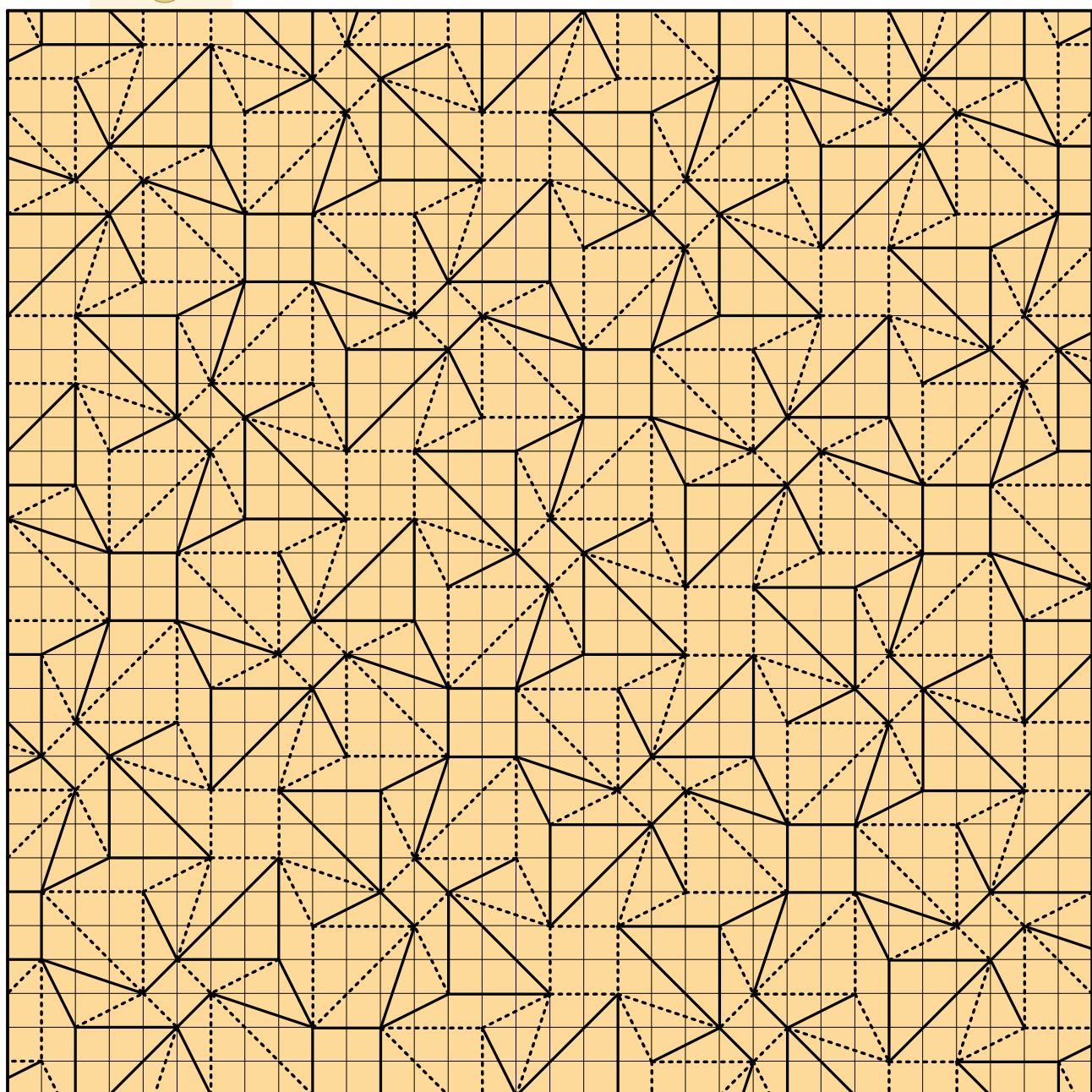
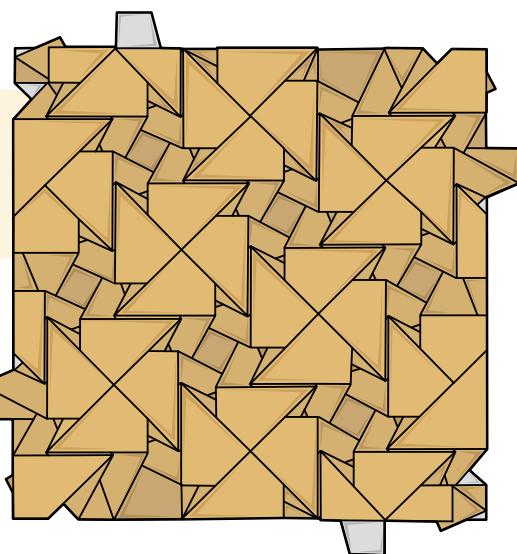
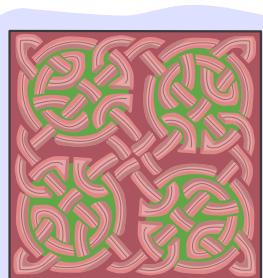
Paper: 40 g/m²

Recomended size: 40 cm - 40 cm

Build time: 90 min.

Max score : 7 points

CP



Task №9b

"Кубики"

Designed by Peter Keller

Difficulty: *****

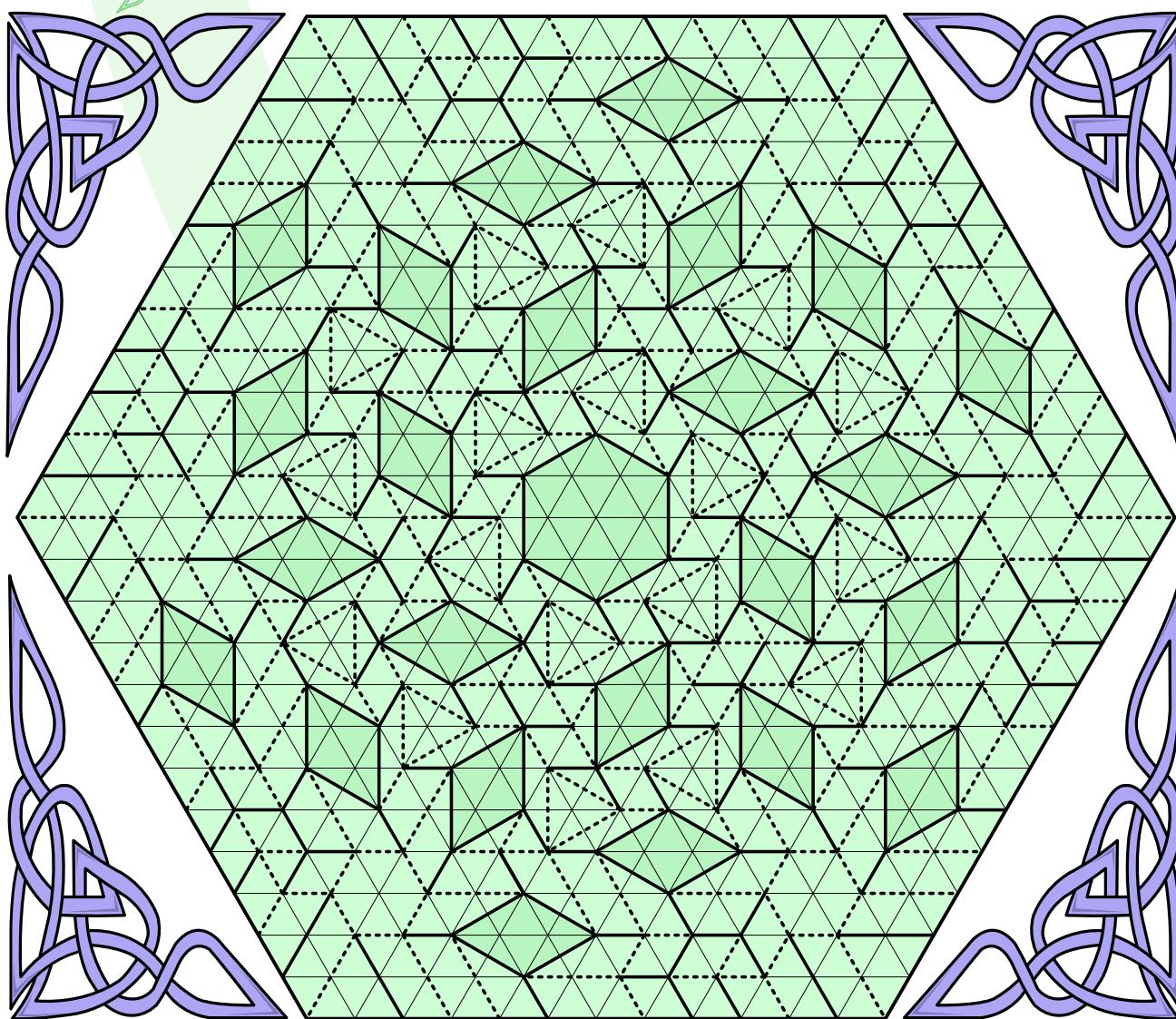
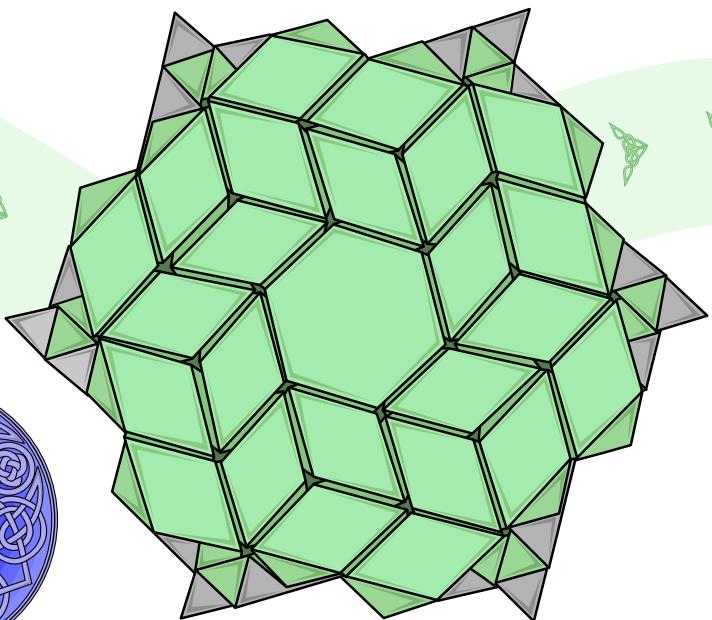
Paper: 40 g/m²

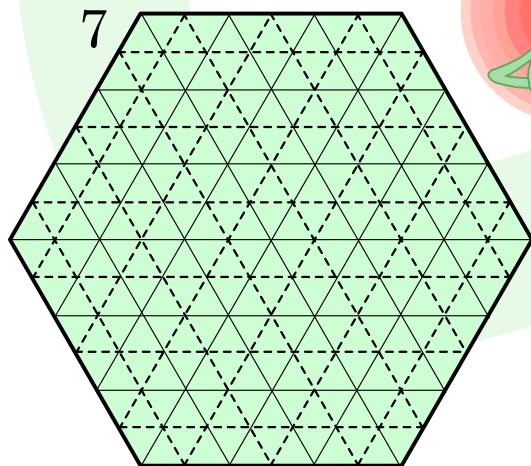
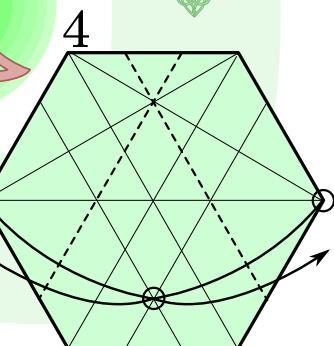
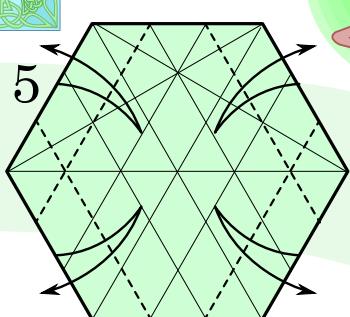
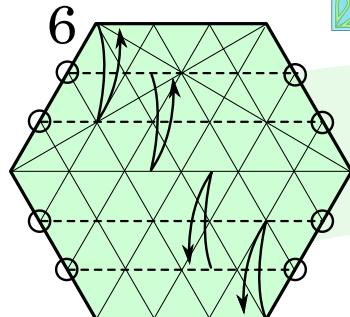
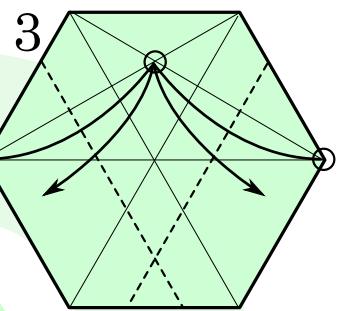
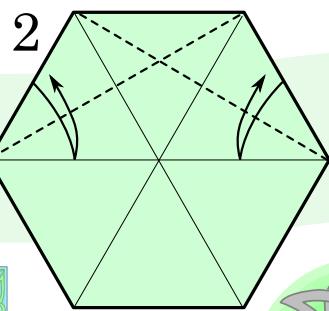
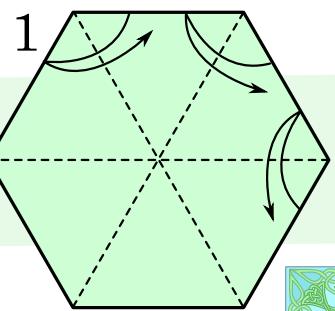
Recomended size, cm: 20-20-20

Build time: 90 min.

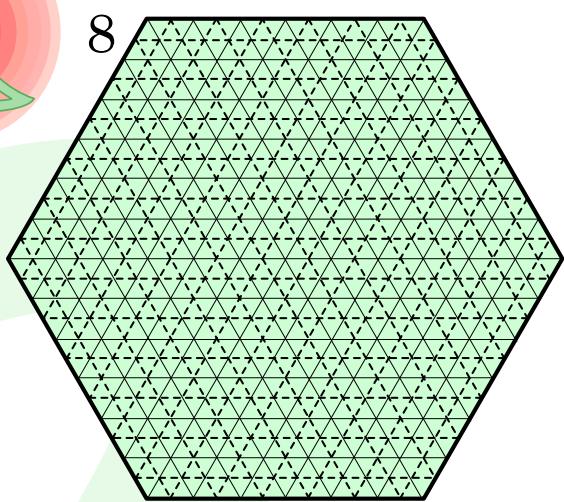
Max score : 7 points

CP

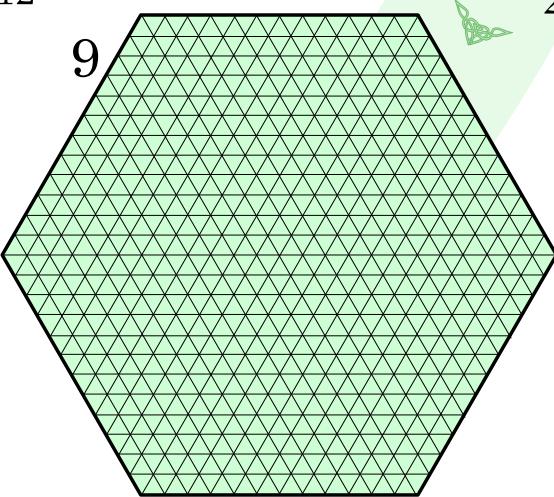
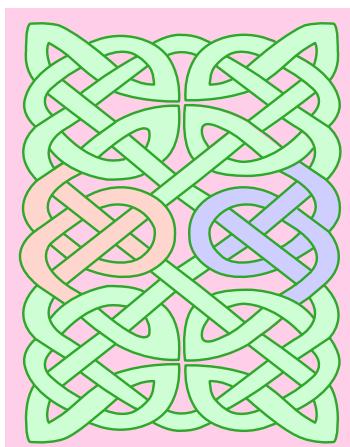




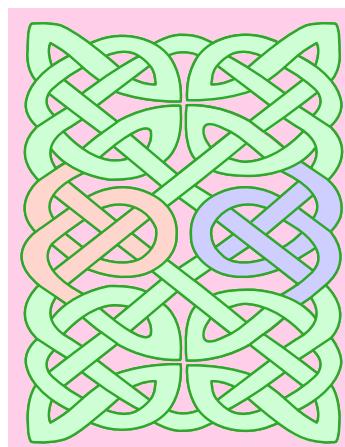
12-12-12



24-24-24



grid completed



Task №9c

"Lotus Flowers"

Designed by Ryoichi Takagi

Difficulty: ***** ---

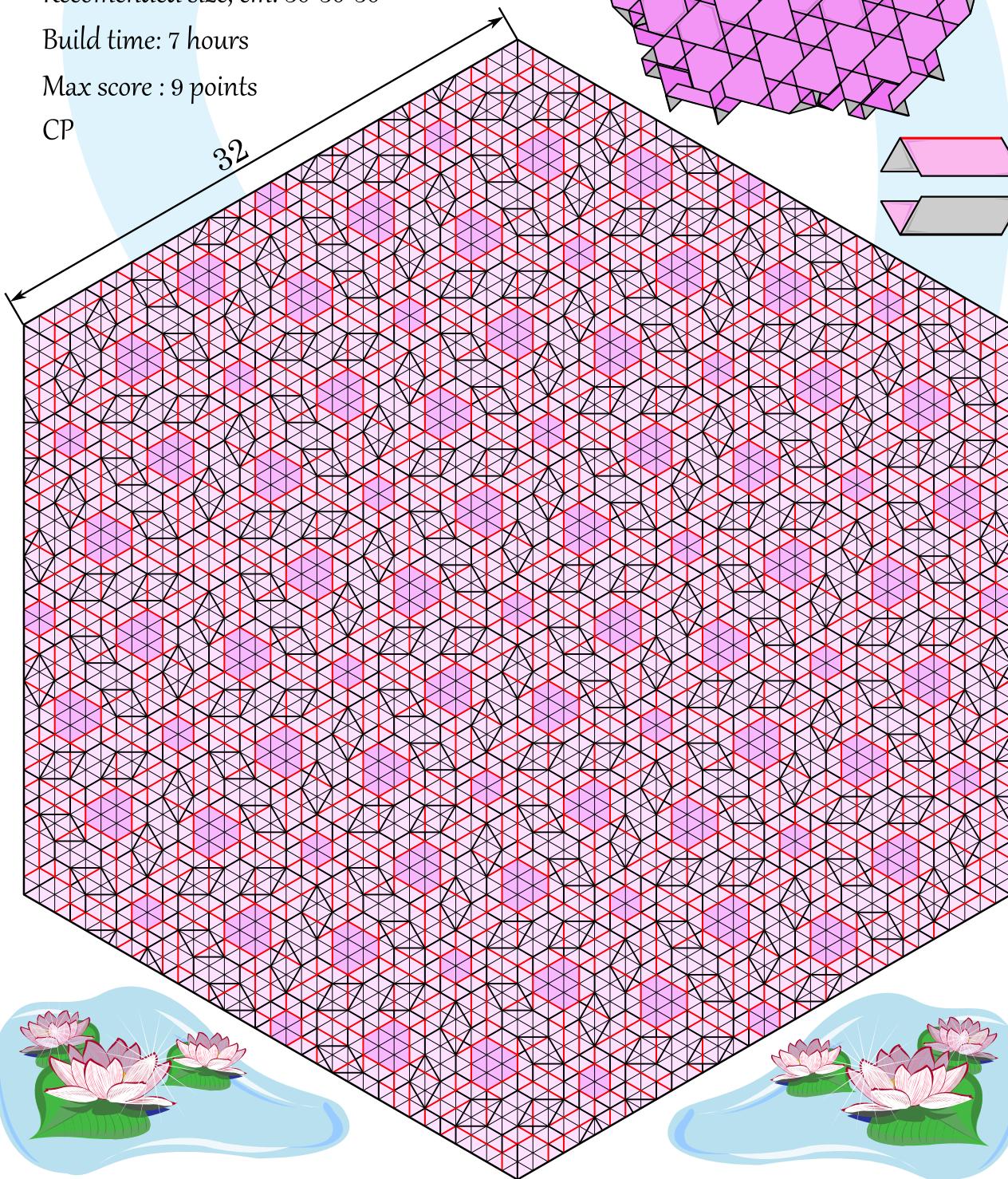
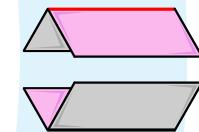
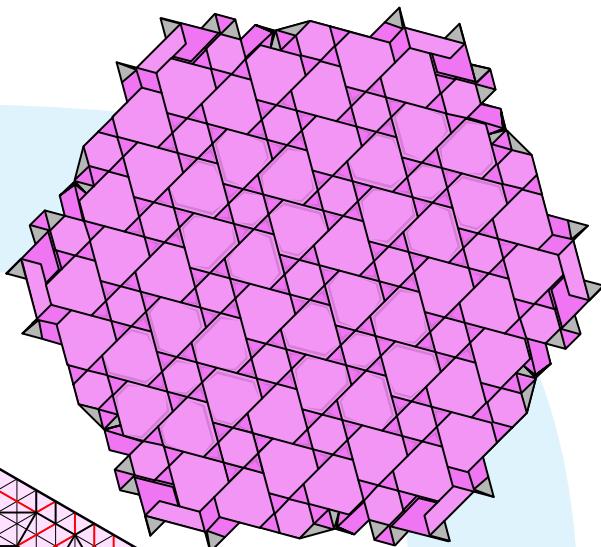
Paper: 40 g/m²

Recomended size, cm: 30-30-30

Build time: 7 hours

Max score : 9 points

CP



Butterfly

Task №10

Designed by Andrey Ermakov

Difficulty: ***** --

Paper: 35 g/m² (two-colored)

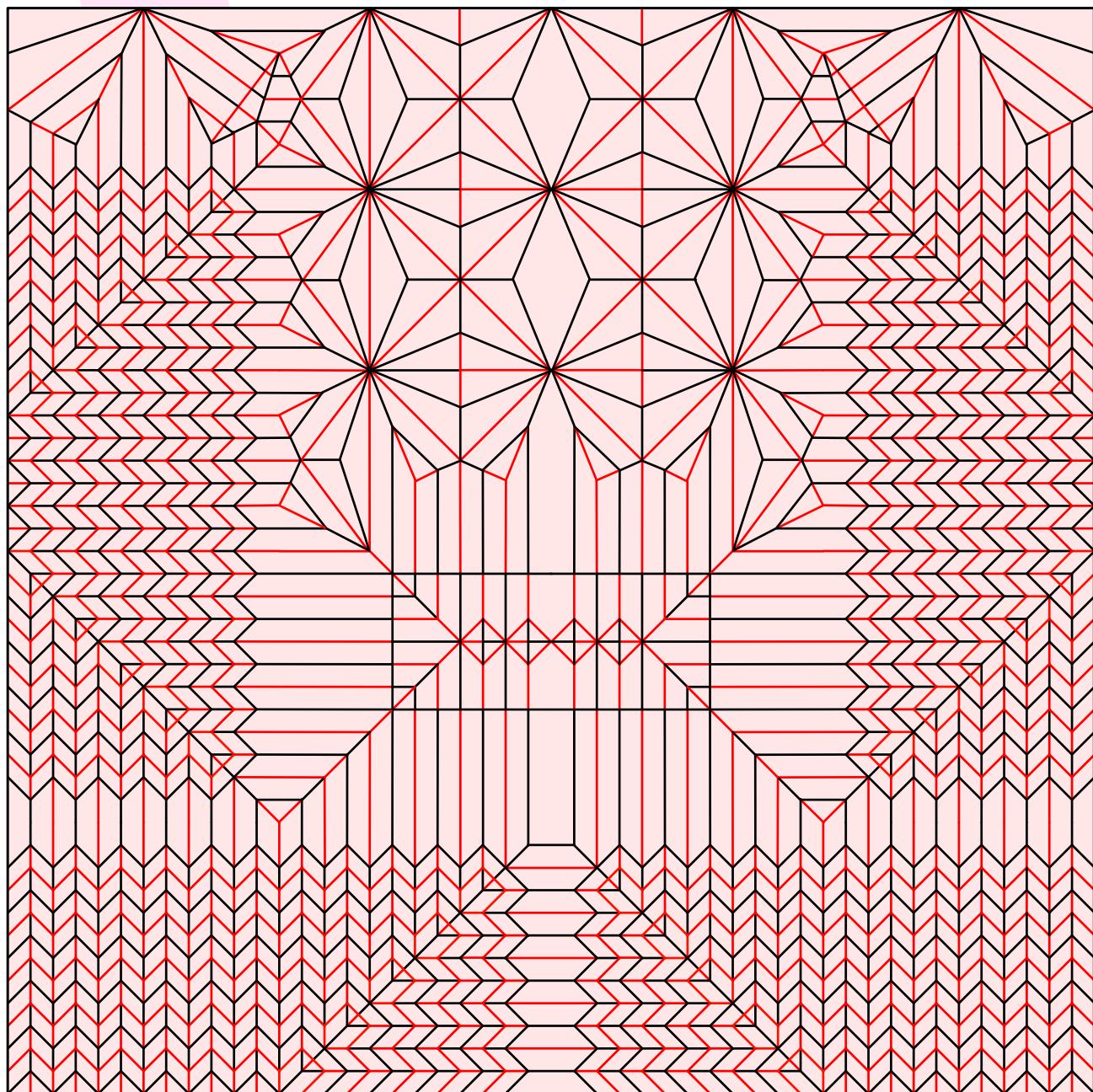
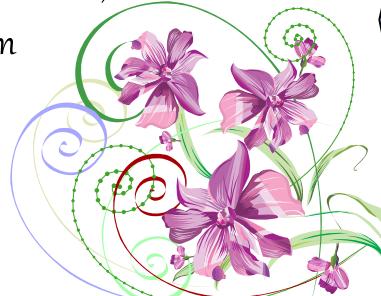
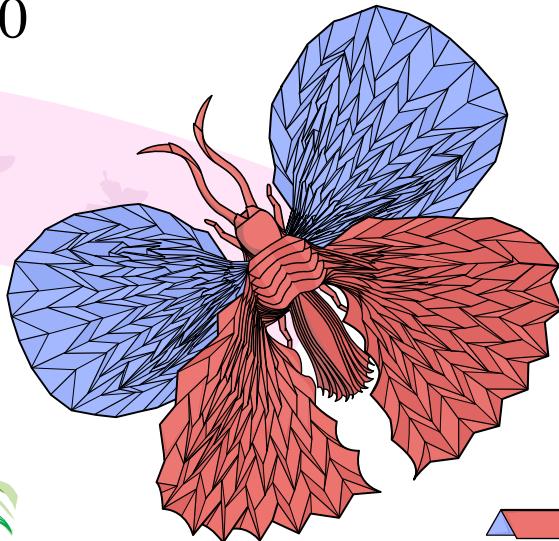
For size: 70 cm - 70 cm

Length: 15 cm

Build time: 7 hours

Max score : 12 points

CP



Task №11

"Ancient civilizations"

Maximum score: 15 points

Explanation: This task is named "Ancient civilizations", and here you must create your own model. This is a very broad topic, which allow not only to demonstrate skills in origami, but also plunge into the history from the beginning of recorded human civilizations to the Early Middle Ages. It may be various specific objects or artifacts of Ancient world. You can create "Mayan pyramid" or "Roman legionary", "Gods" or "Heroes of ancient myths", etc. The work can be created in any style and complexity, but the model must be done in accordance with rules below.



Rules:

- one sheet of square or rectangle;
- no cut;
- no painting colors on afterwards;
- no varnishing, glossing;
- no Photoshop (etc.) correction of photo;
- only one "own model" will be judged;
- CP or any information about model should be included for rules control;
- the Photo or internet link to the image of folding object should be included;
- MC+paper, foil-paper, wet-fold is allowed.

Good luck!

The End

Andrey Ermakov
2012

