Volume 6

COMPOSIZIONE MODULARE

con origami modulati

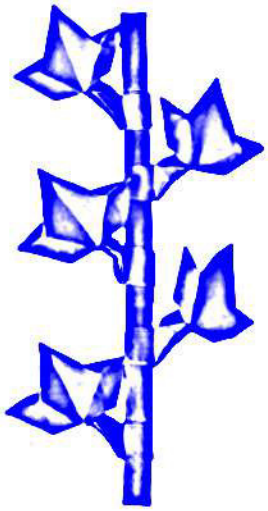
Franco Pavarin

www.origami-cdo.it/

Volume 6

Composizione modulare

con origami modulati



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PREFAZIONE

Questo nuovo libro, come i precedenti, è basato su modelli creati in un periodo in cui non avevo tempo di disegnare, dato che il mestiere di architetto e insegnante mi assorbiva completamente.
Anche in questo libro c'è una miscellanea di modelli di vario tipo, piatti e tridimensionali, generalmente ordinati secondo la difficoltà di costruzione.
Fra questi, prediligo le tassellazioni 3D e i rami delle piante.
Giugno 2024 Franco Pavarin

This new book, like its predecessors, is based on models created in a time when no I had time to draw, since the profession of architect and teacher absorbed me completely.
Also in this book there is a miscellany of models of various types, flat and three-dimensional, generally sorted according to construction difficulty.
Among these, I prefer 3D tessellations and plant branches.
June 2024 Franco Pavarin

Este nuevo libro, al igual que sus predecesores, se basa en modelos creados en una época en la que no Tuve tiempo para dibujar, ya que la profesión de arquitecto y docente me absorbió. completamente.
También en este libro hay una miscelánea de modelos de varios tipos, planos y tridimensionales, generalmente ordenados según la dificultad de construcción.
Entre ellos, prefiero los teselados 3D y las ramas de plantas.
junio 2024 franco pavarin

Simbologia origami

Indicazione | Risultato 3D

Piega a valle
(piega bassa)

Piega a monte
(piega alta)

Ruotate e piegate

Ruotate, piegate
e riportate alla
posizione iniziale

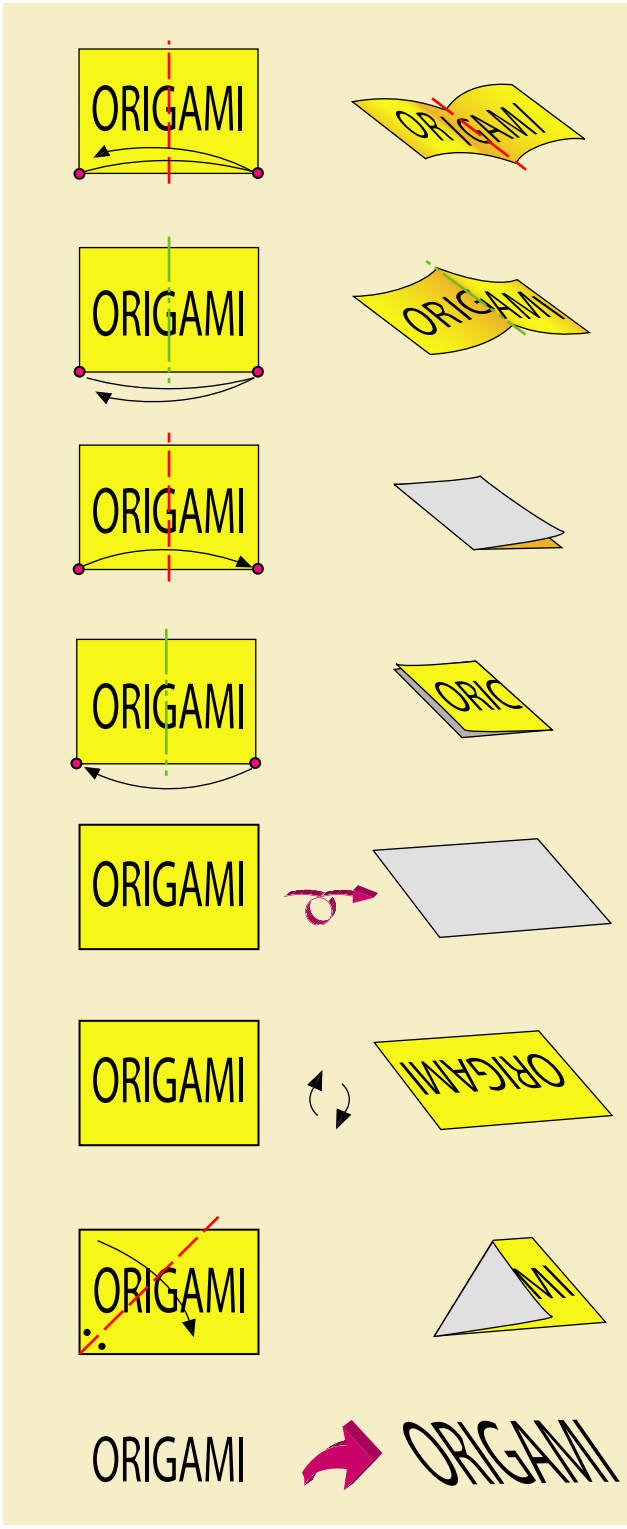
Ribaltate
sull'asse verticale

Ribaltate sull'asse
orizzontale

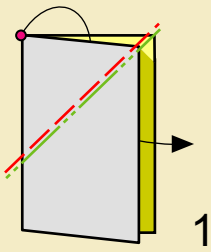
Ruotate di 180°

Piega bisettrice
a valle

Figura ingrandita

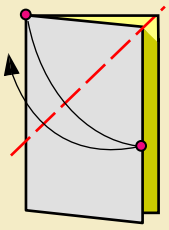


Realizzazione delle pieghe rovesce



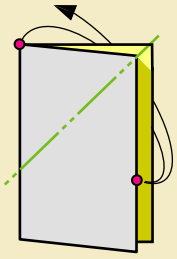
1

Eseguite una piega rovescia interna



2

Una piega a valle



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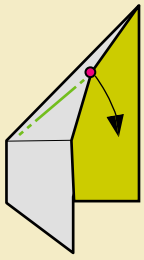
Ripiegate con piega a monte sulla medesima traccia



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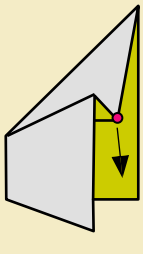
Aprite e rovesciate il verso della piega



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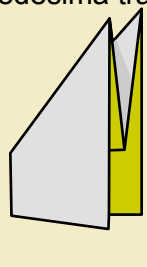
Inserite all' interno il vertice indicato



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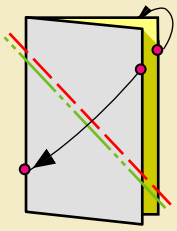
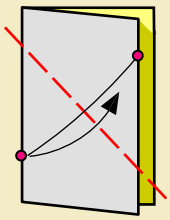
Piega rovescia interna ultimata



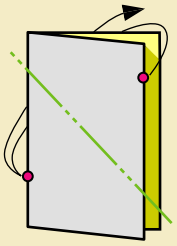
1

Eseguite una piega rovescia esterna



2

Una piega a valle



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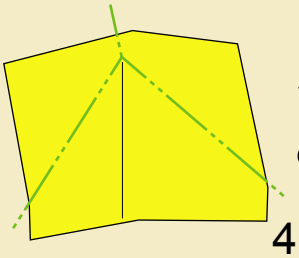
Ripiegate con piega a monte sulla medesima traccia



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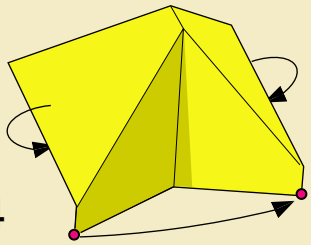
Aprite e rovesciate il verso della piega



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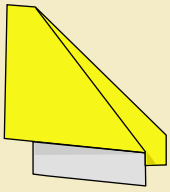
Richiudete



6

Piega rovescia esterna ultimata

NOME	POLIEDRO	numero triangoli	numero quadrati	numero pentagoni	numero esagoni	numero ottagoni	numero vertici	numero spigoli
TETRAEDRO		4					4	6
CUBO			6				8	12
OTTAEDRO		8					6	12
DODECAEDRO				12			20	30
ICOSAEDRO		20					12	30
TETRAEDRO TRONCO		4			4		12	18
CUBOTTAEDRO		8	6				12	24
CUBO TRONCO		8				6	24	36
OTTAEDRO TRONCO			6		8		24	36
PICCOLO ROMBICUBOTTAEDRO		8	18				24	48
GRANDE ROMBICUBOTTAEDRO			12		8	6	48	72
CUBO SIMO		32	6				24	60
OSIDODECAEDRO		20		12			30	60

CATENA

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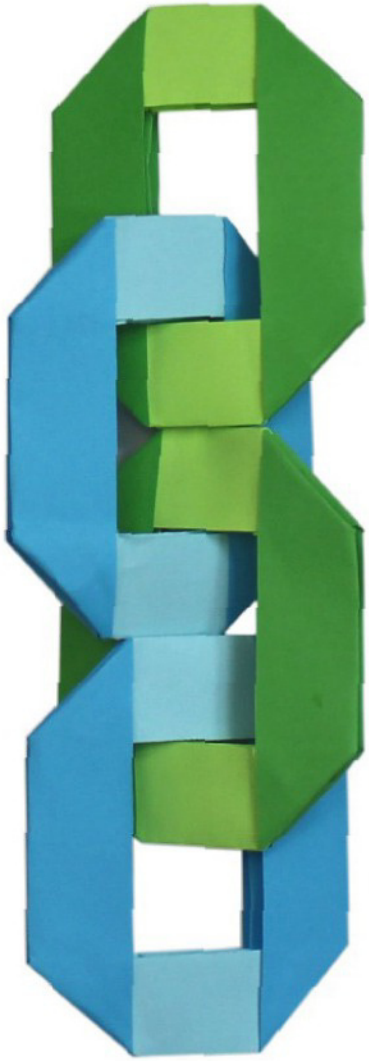
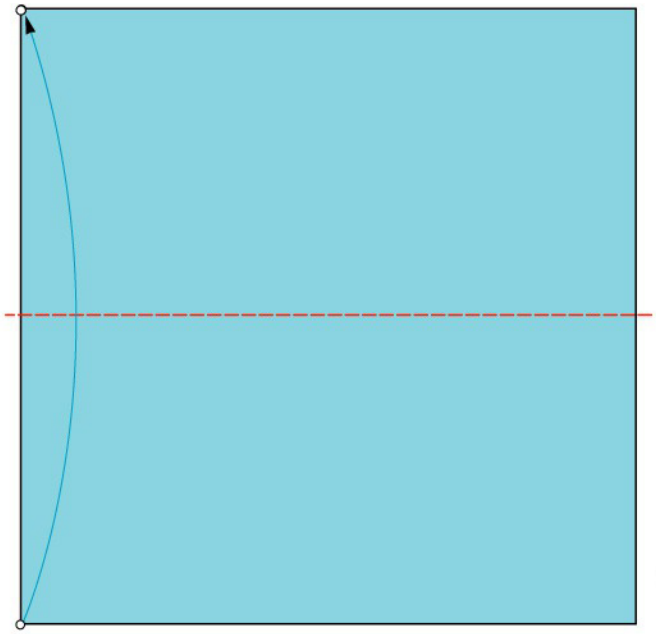
Un anello della catena si costruisce unendo 2 moduli lunghi e 2 moduli corti.
Adoperate fogli di carta leggera monocolori o bicolori di dimensioni cm 7,5x7,5

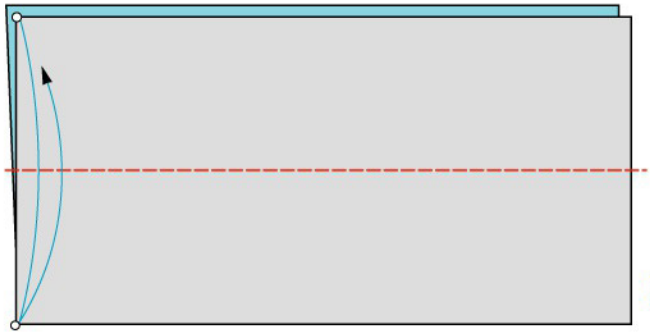


MODULO LUNGO



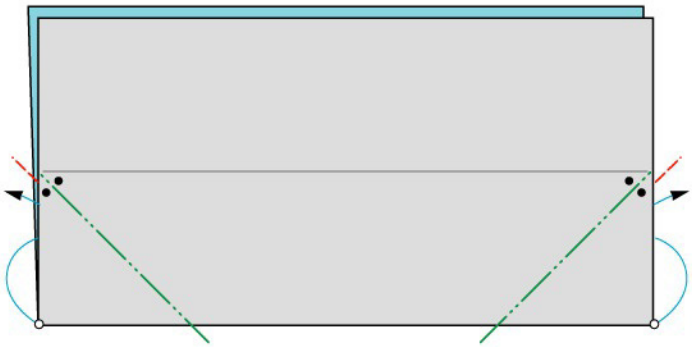
1

1 piega a valle



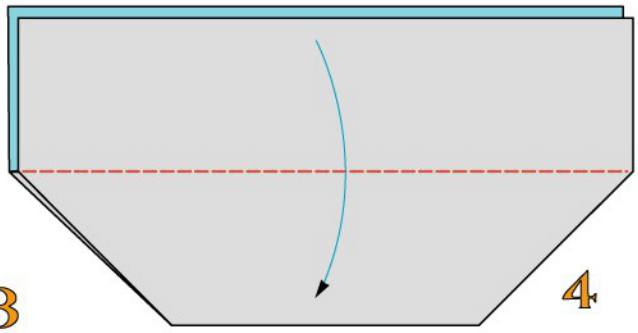
2

1 piega a valle



3

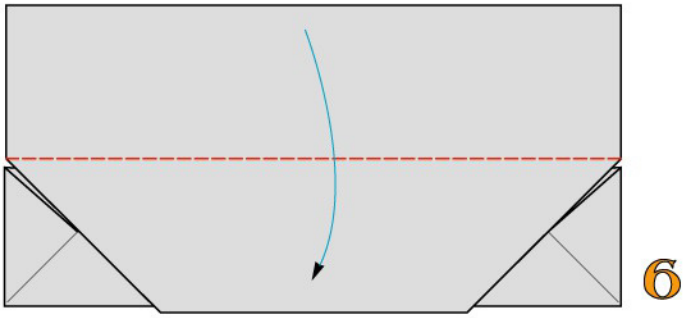
2 pieghe rovesce interne



4

1 piega a valle

2 pieghe bisettrici a monte e ribaltate

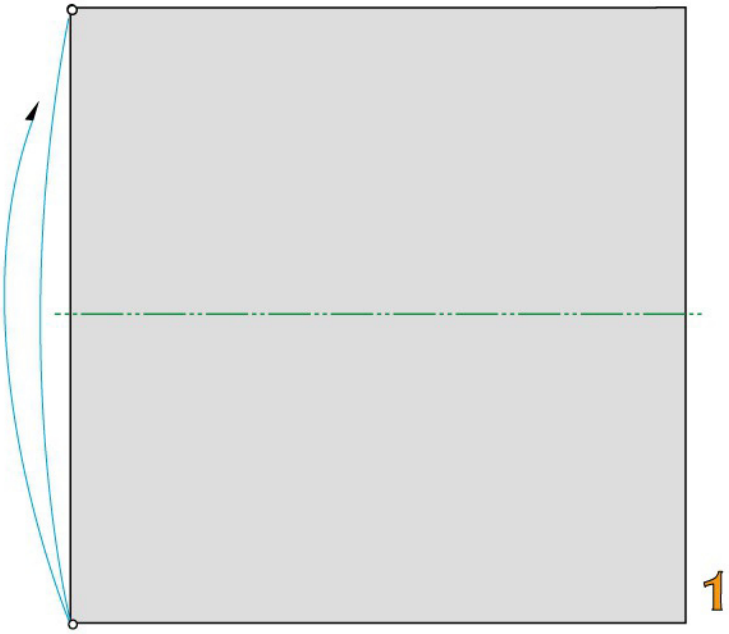


Ripiegate a valle

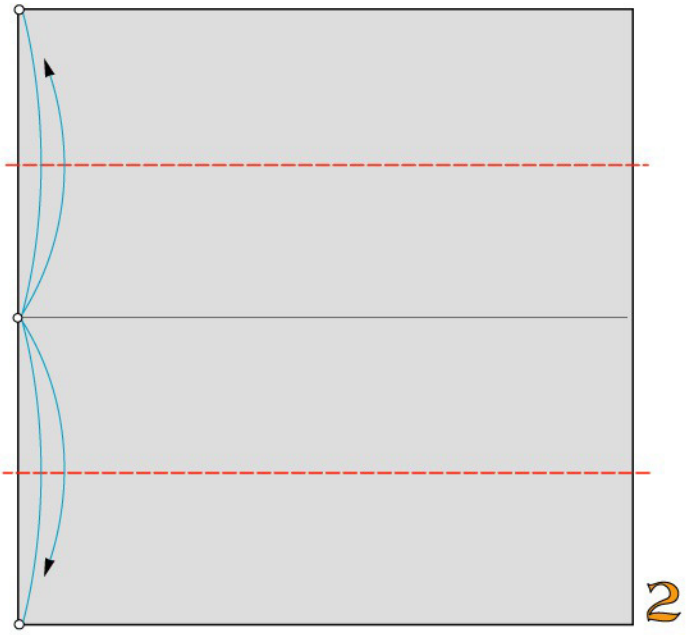
2 pieghe bisettrici a monte

Modulo lungo per catena “B” ultimato

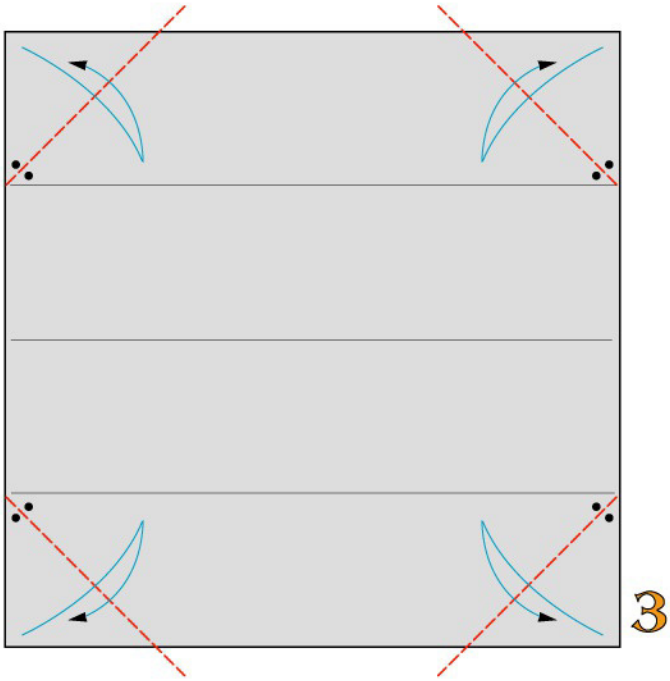
MODULO CORTO



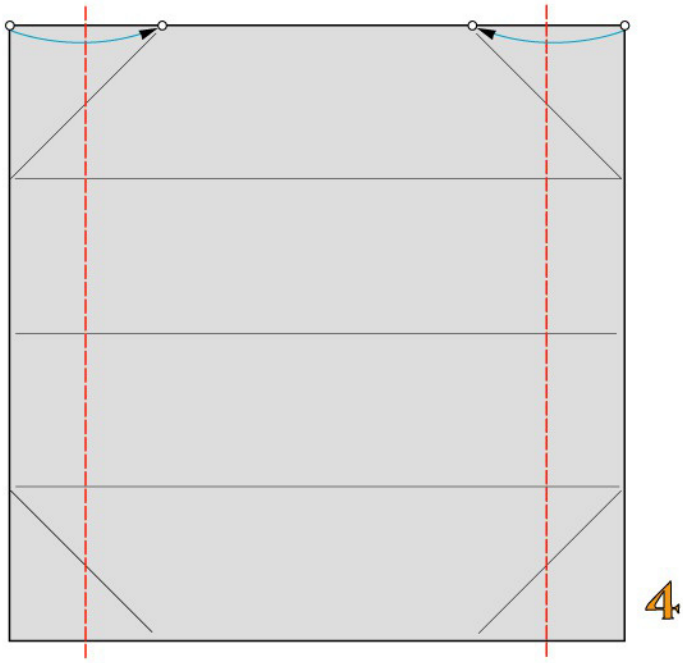
1 piega a monte



2 pieghe a valle

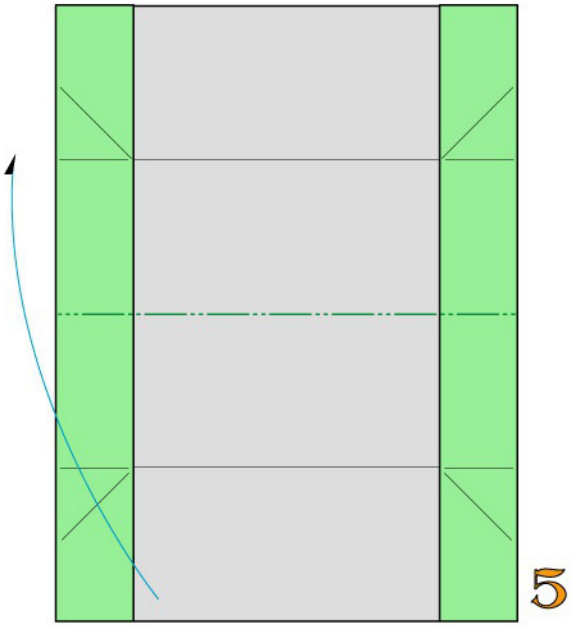


4 pieghe bisettrici a valle

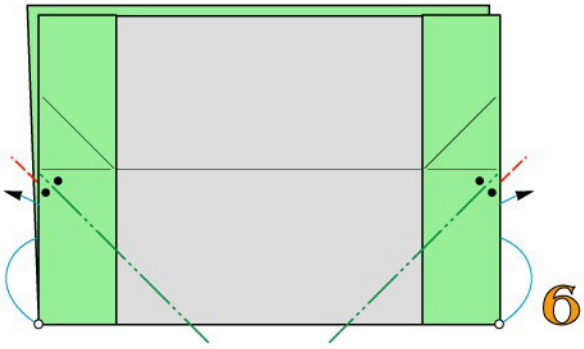


2 pieghe a valle

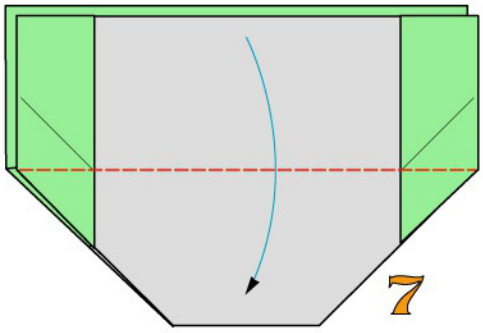
8



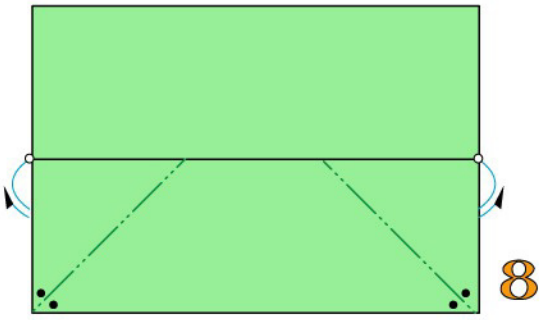
Ripiegate a monte



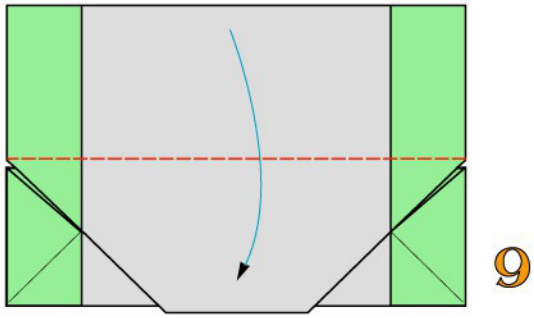
2 pieghe rovesce interne



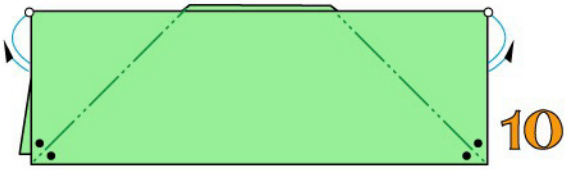
Ripiegate a valle



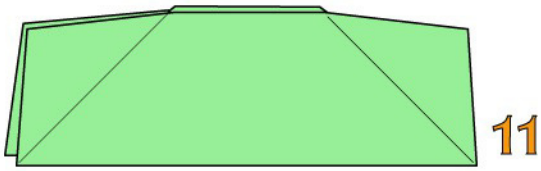
2 pieghe bisettrici a monte e ribaltate



Ripiegate a valle

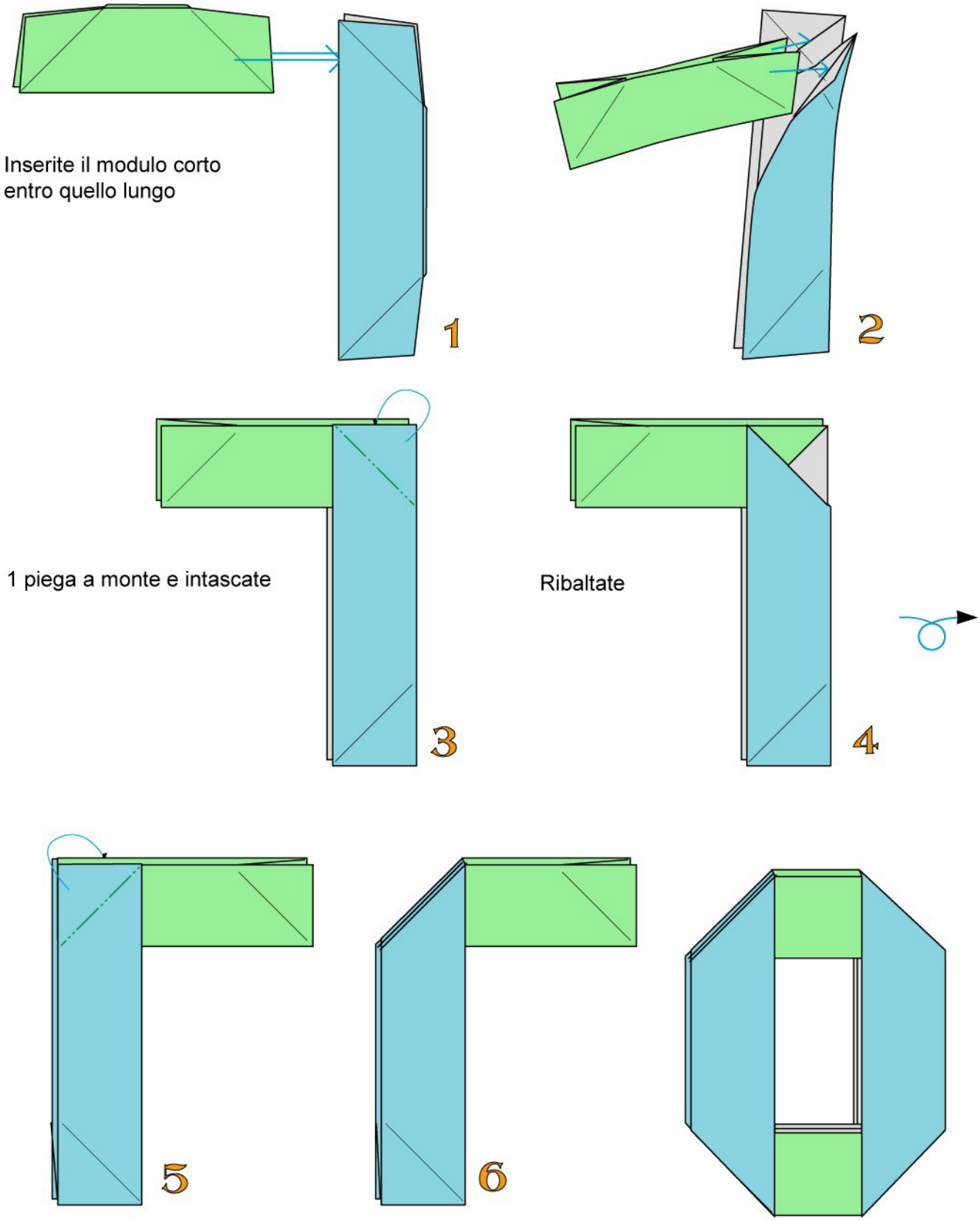


2 pieghe bisettrici a monte



Modulo corto per catena “B” ultimato

UNIONE DEI MODULI



GHIRLANDA DI FOGLIE

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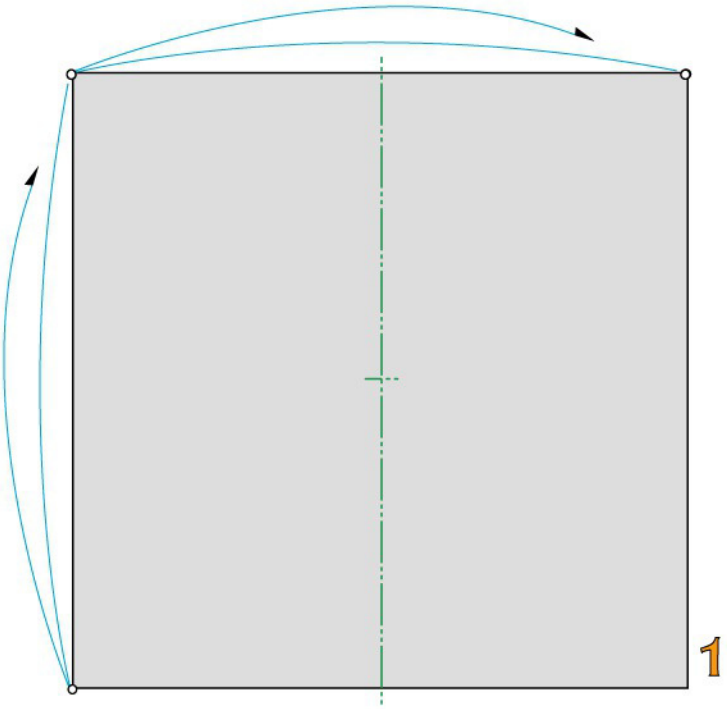
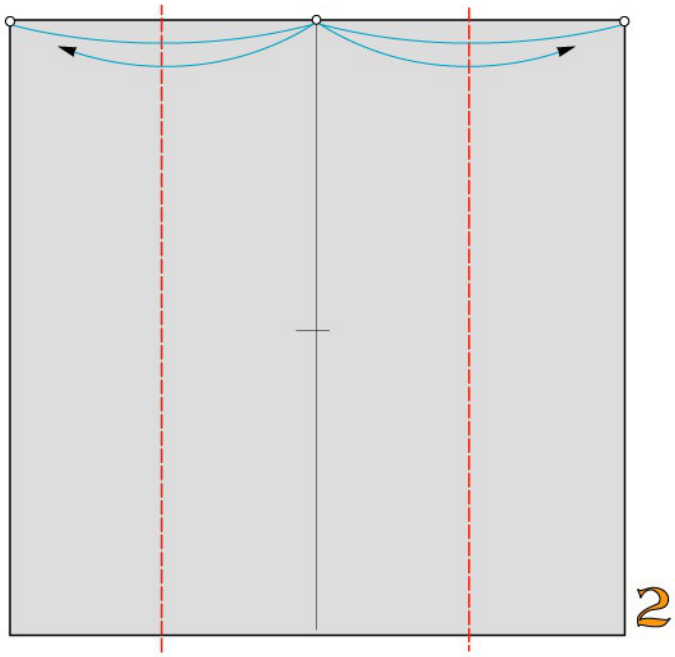
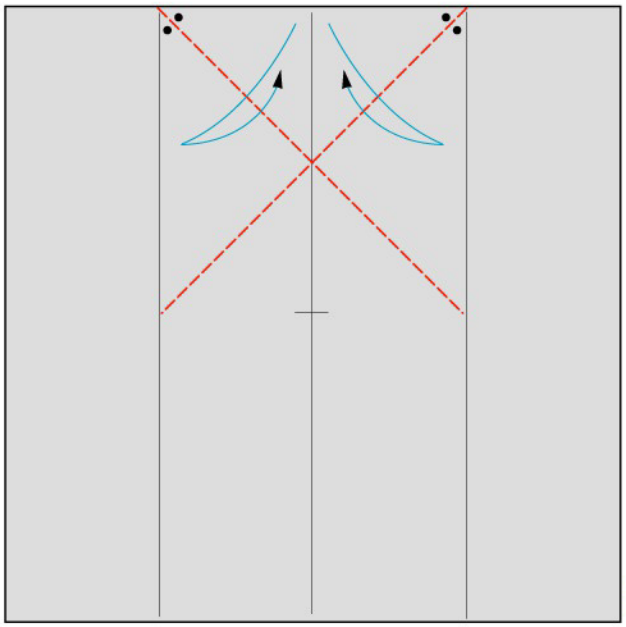
Sono necessari 8 fogli monocolori o bicolori leggeri delle dimensioni di cm 10x10



2 pieghe a monte, di cui 1 piccola



2 pieghe a valle



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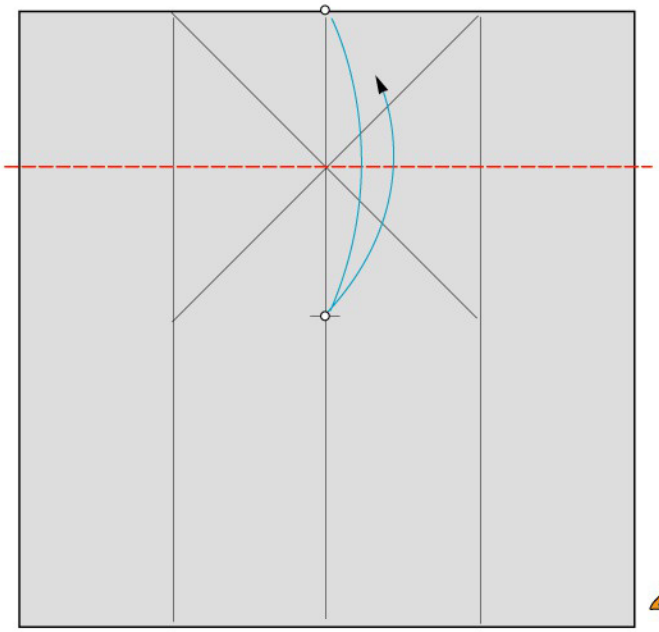
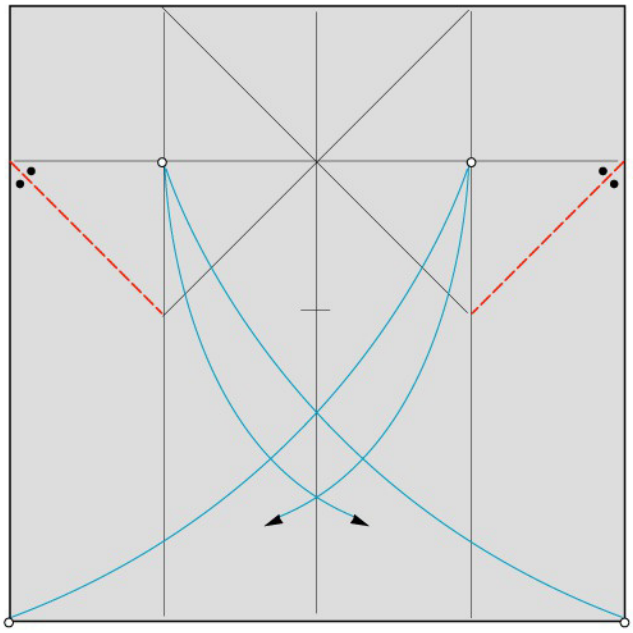
2 pieghe bisettrici a valle



4

1 piega a valle



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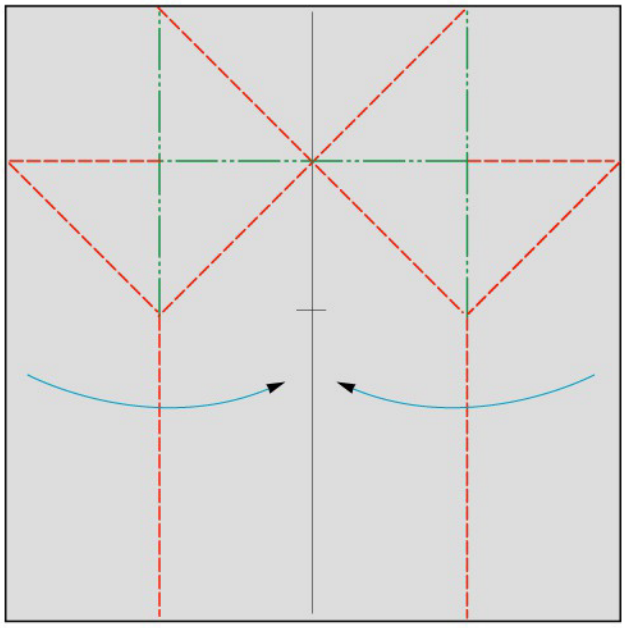
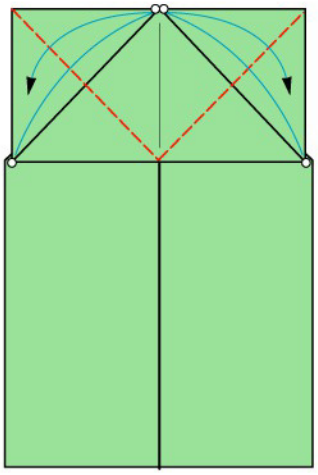
2 pieghe bisettrici a valle



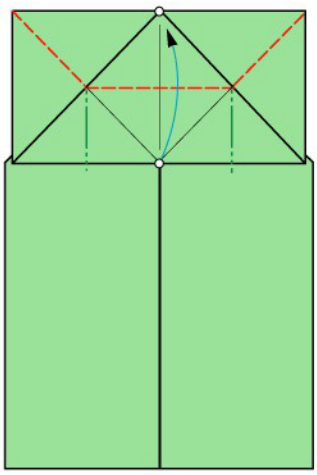
6

Ripiegate a valle e a monte



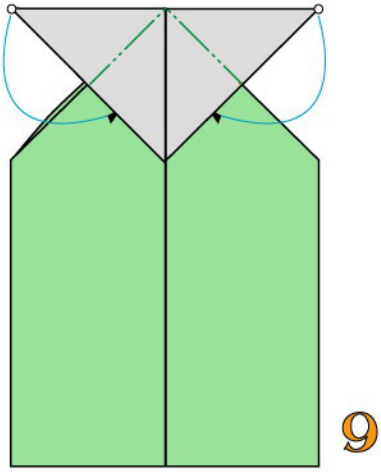
7

2 pieghe diagonali a valle

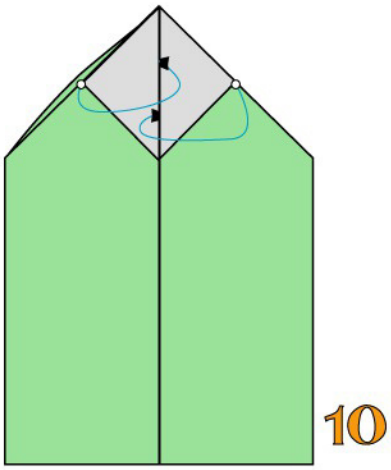


8

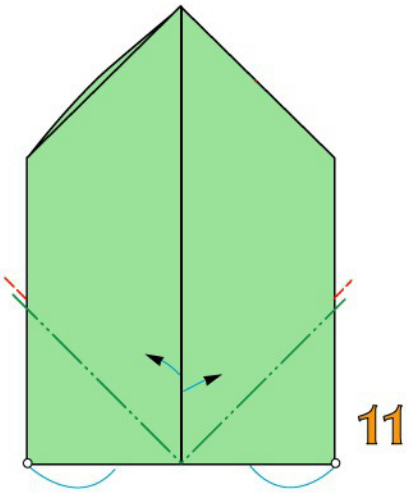
1 piega a valle e 2 a monte



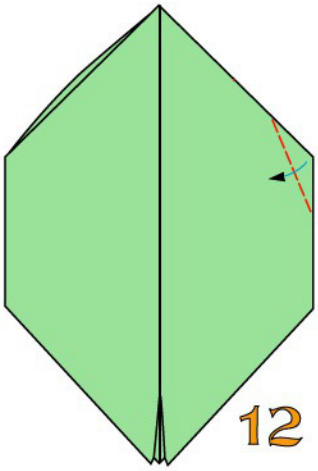
2 pieghe a monte



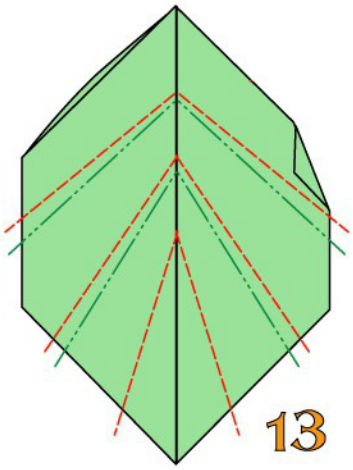
Intascate le 2 superfici triangolari



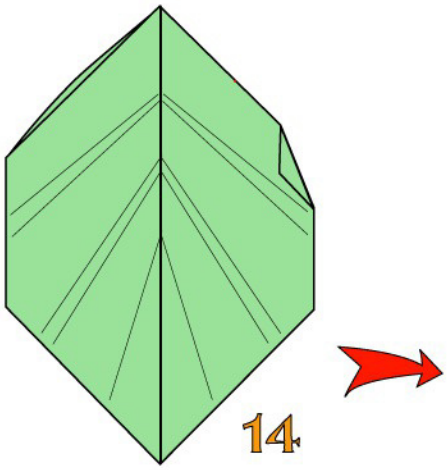
2 pieghe rovesce interne



1 piega a valle

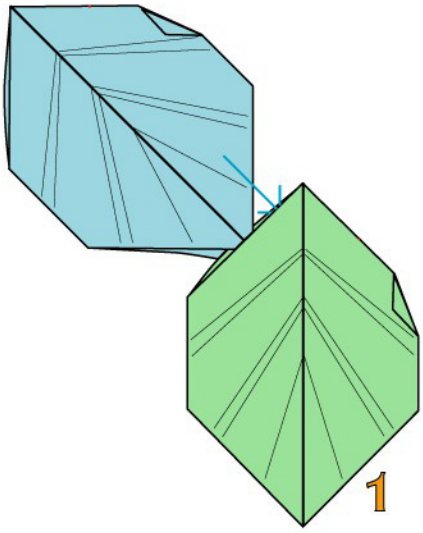


6 pieghe a valle e 4 a monte

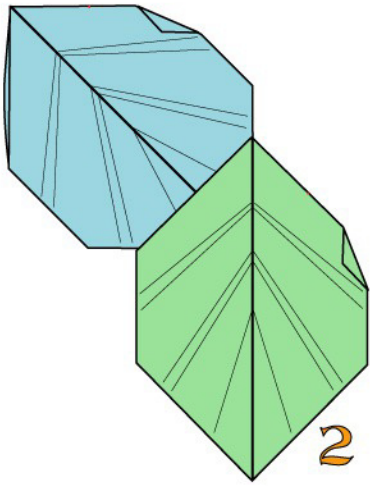


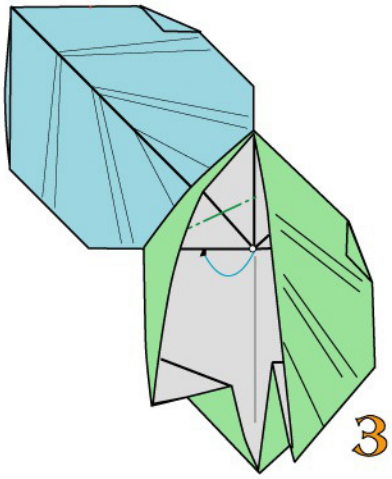
Modulo di ghirlanda di foglie ultimato

UNIONE DEI MODULI

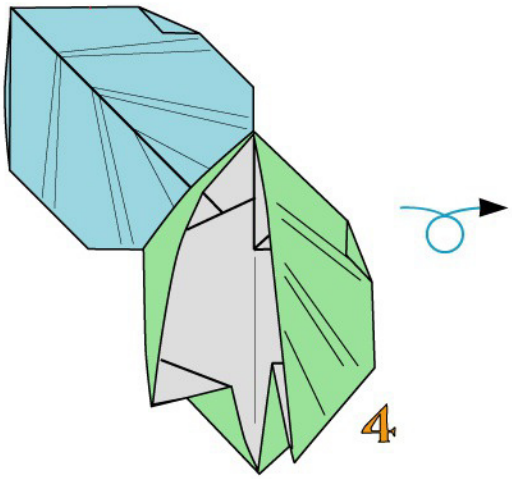


Inserite i 2 vertici superiori di un modulo entro una tasca dell'altro

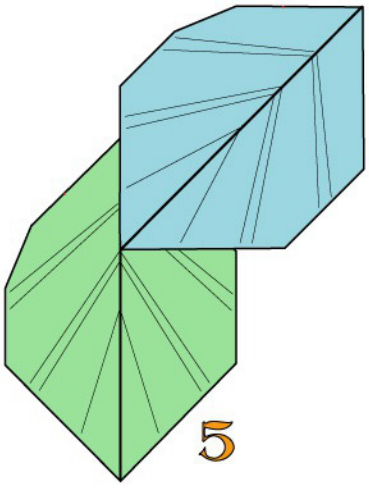




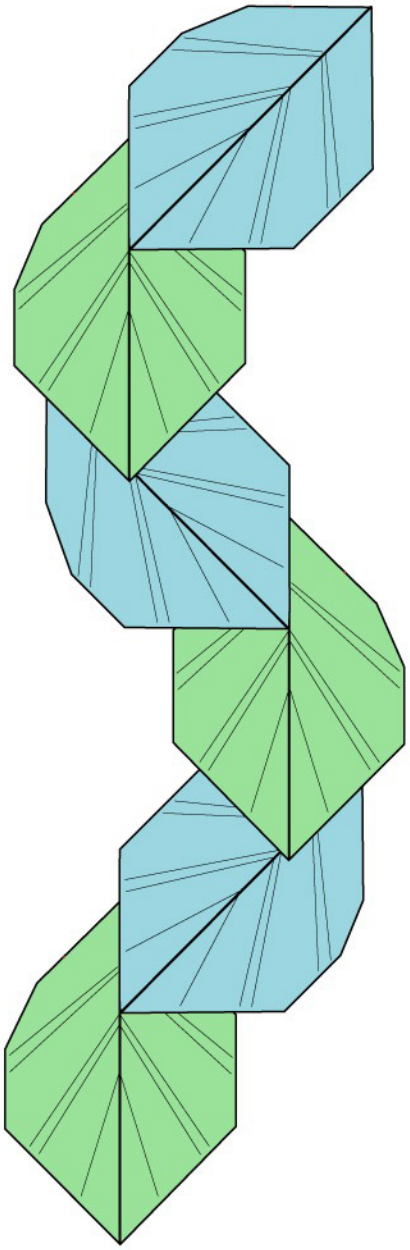
Mediante una piega a
monte bloccate l'unione



Ribaltate



Unione di 2 moduli ultimata.

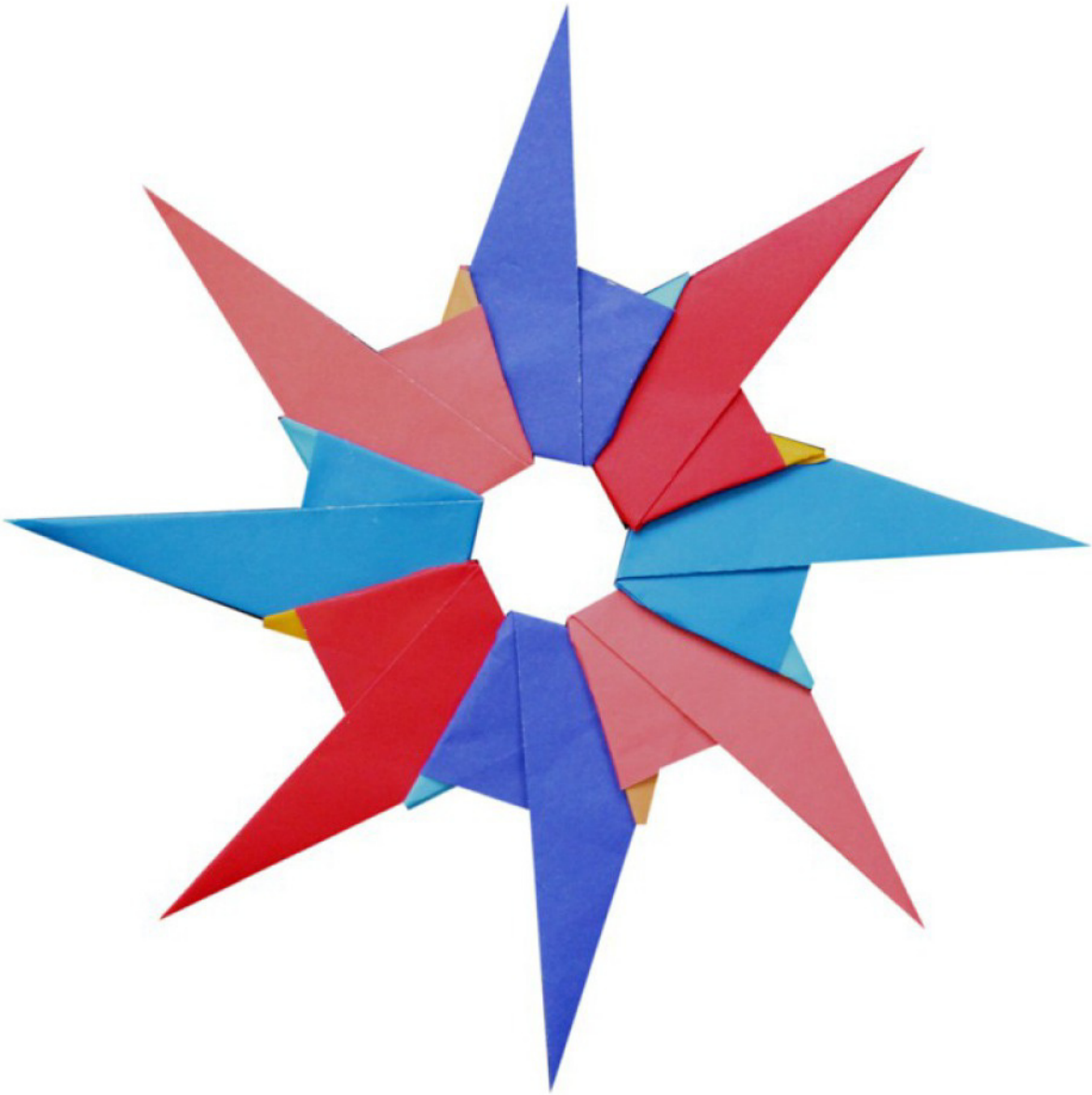


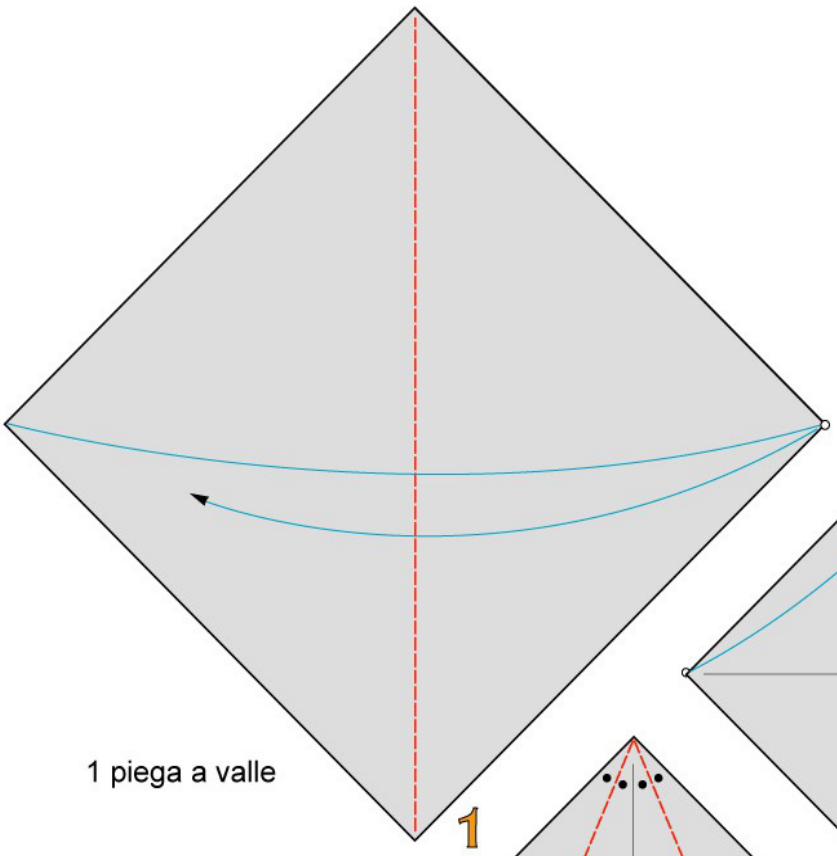
Realizzando e unendo moduli simmetrici
è possibile realizzare nastri di foglie

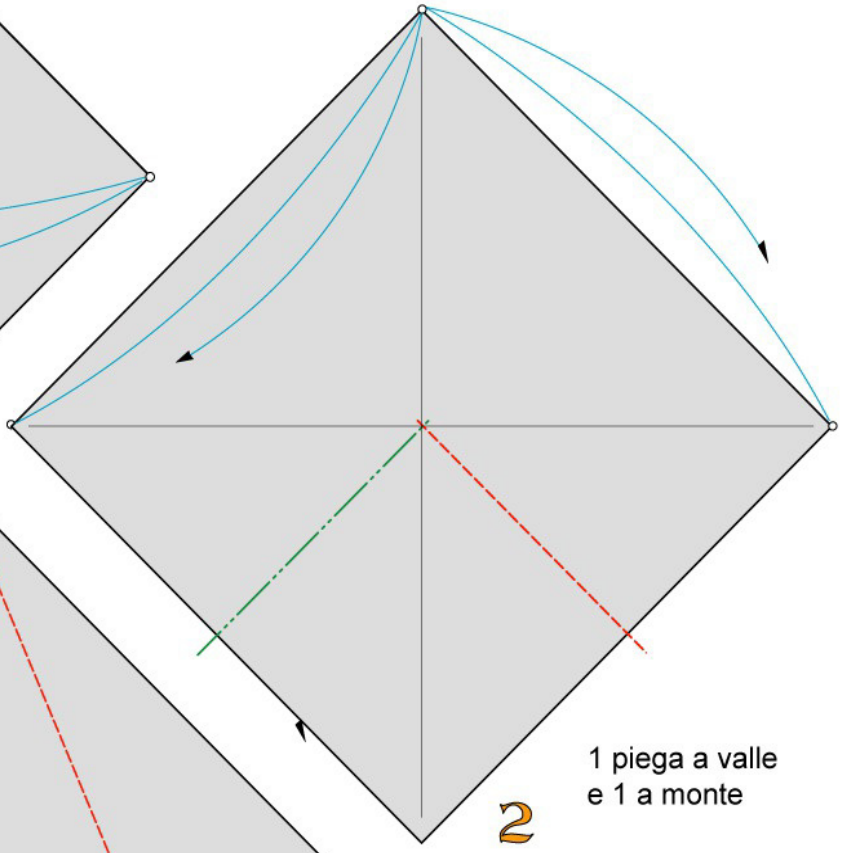
GIRANDOLA "A"

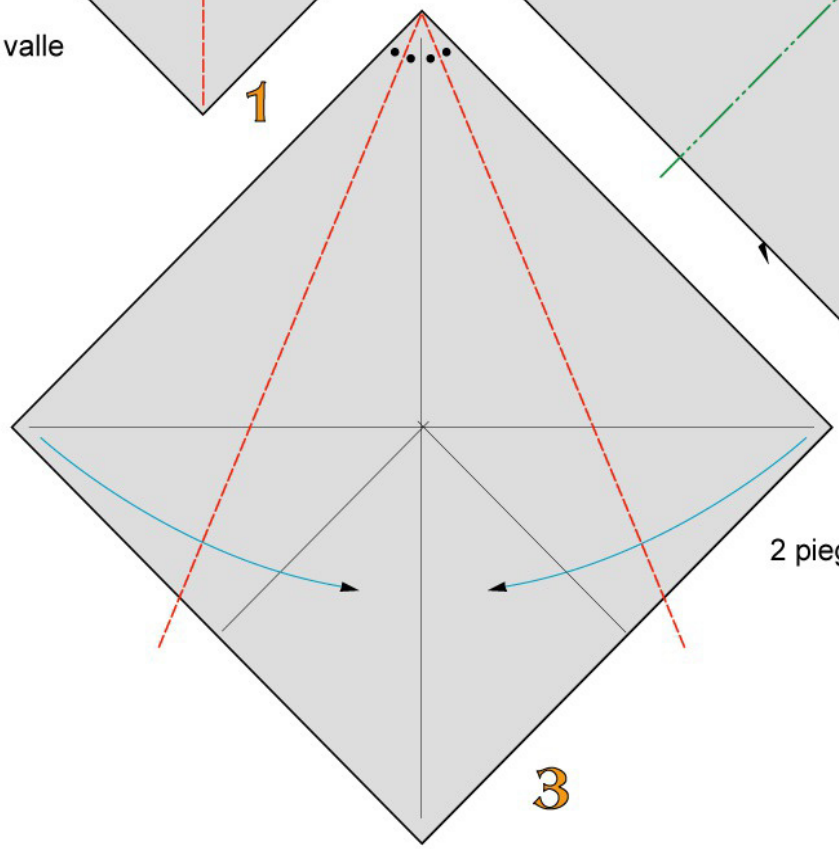
Franco Pavarin 24

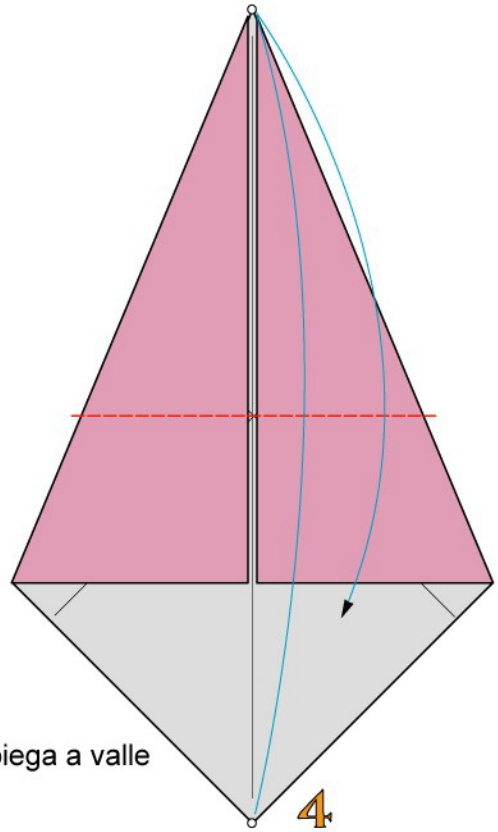
Sono necessari 8 fogli bicolori leggeri delle dimensioni di cm 7,5x7,5




1 piega a valle
1

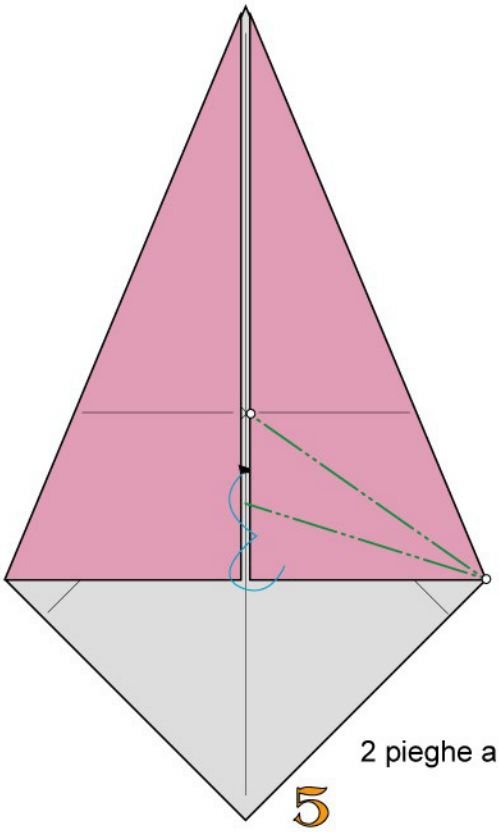

1 piega a valle
e 1 a monte
2


2 pieghe bisettrici a valle
3



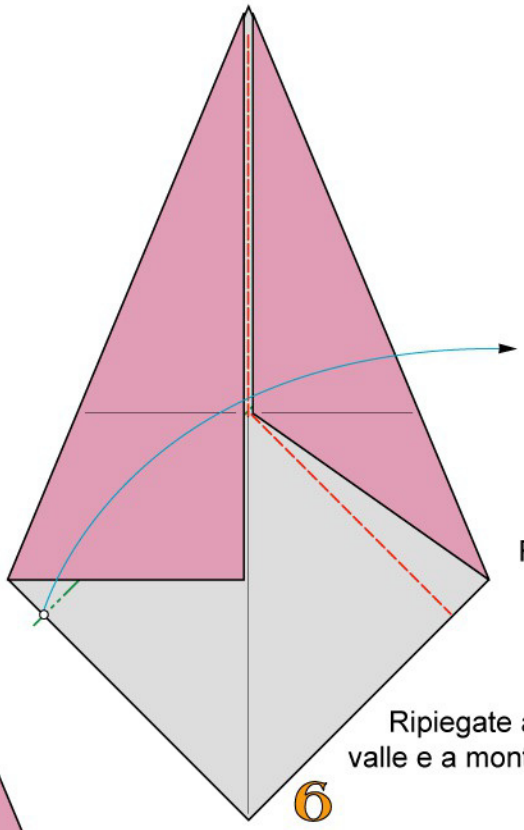
1 piega a valle

4



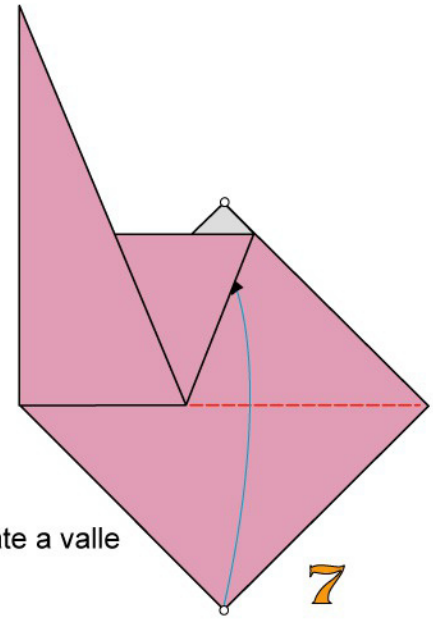
2 pieghe a monte

5



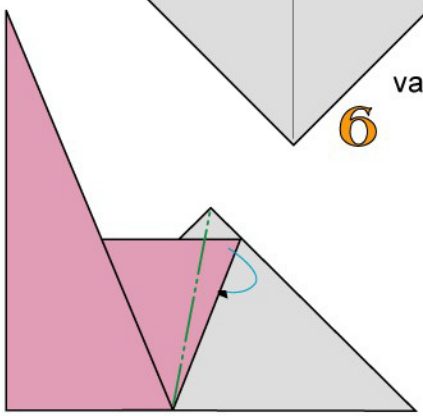
Ripiegate a valle e a monte

6



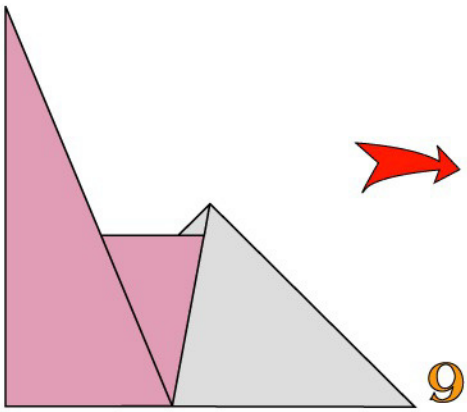
Ripiegate a valle

7



8

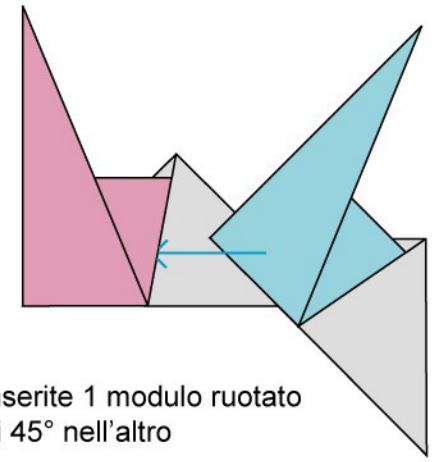
1 piega a monte e intascate



9

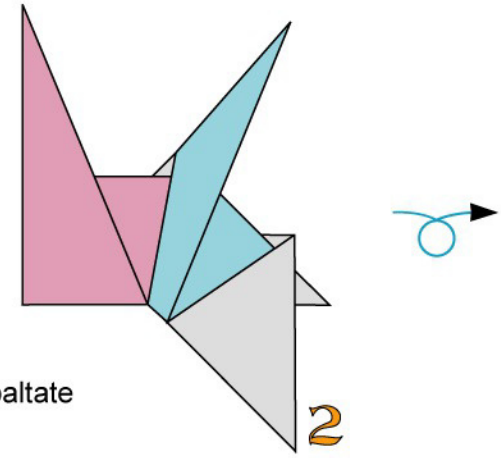
Modulo per girandola “A”6 ultimato

UNIONE DEI MODULI



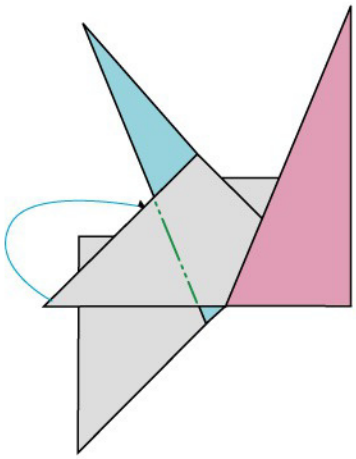
inserite 1 modulo ruotato di 45° nell'altro

1



Ribaltate

2



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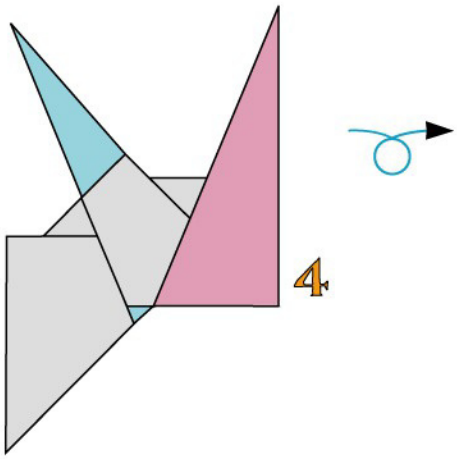
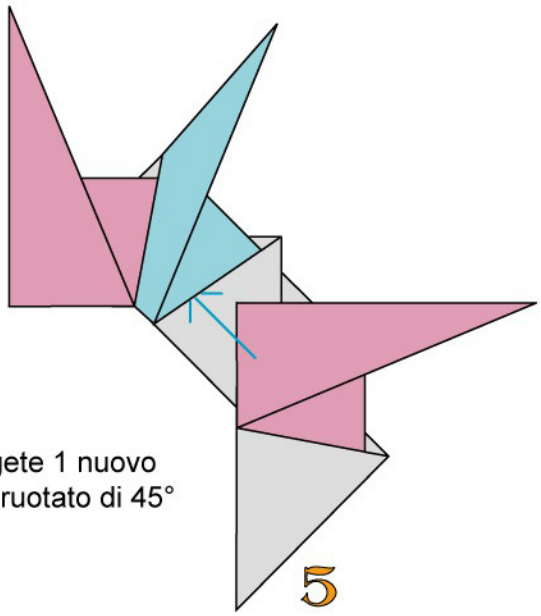
Mediante 1 piega a monte bloccate l'unione



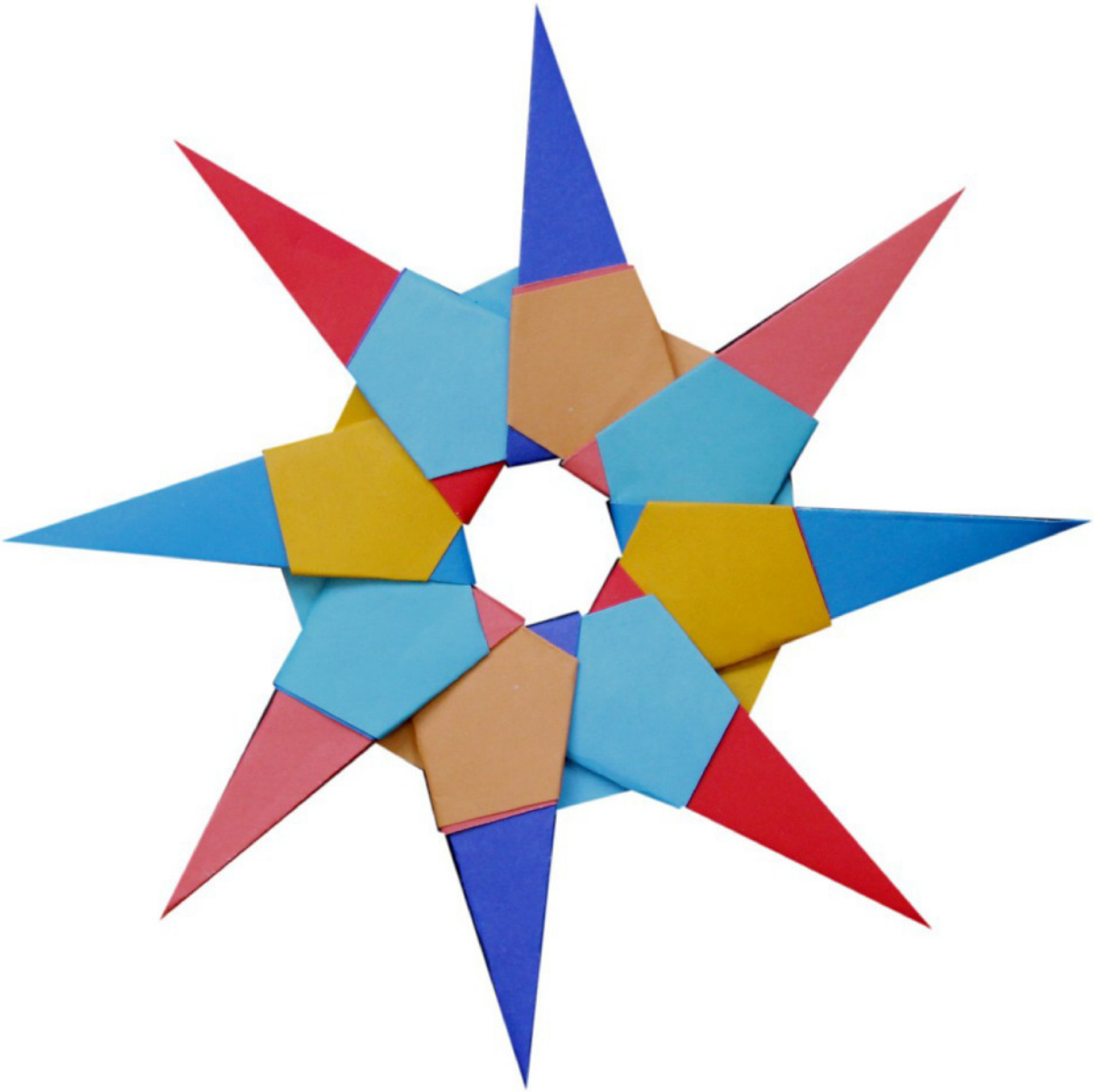
4

Unione di 2 moduli completata. Ribaltate



Aggiungete 1 nuovo modulo ruotato di 45°

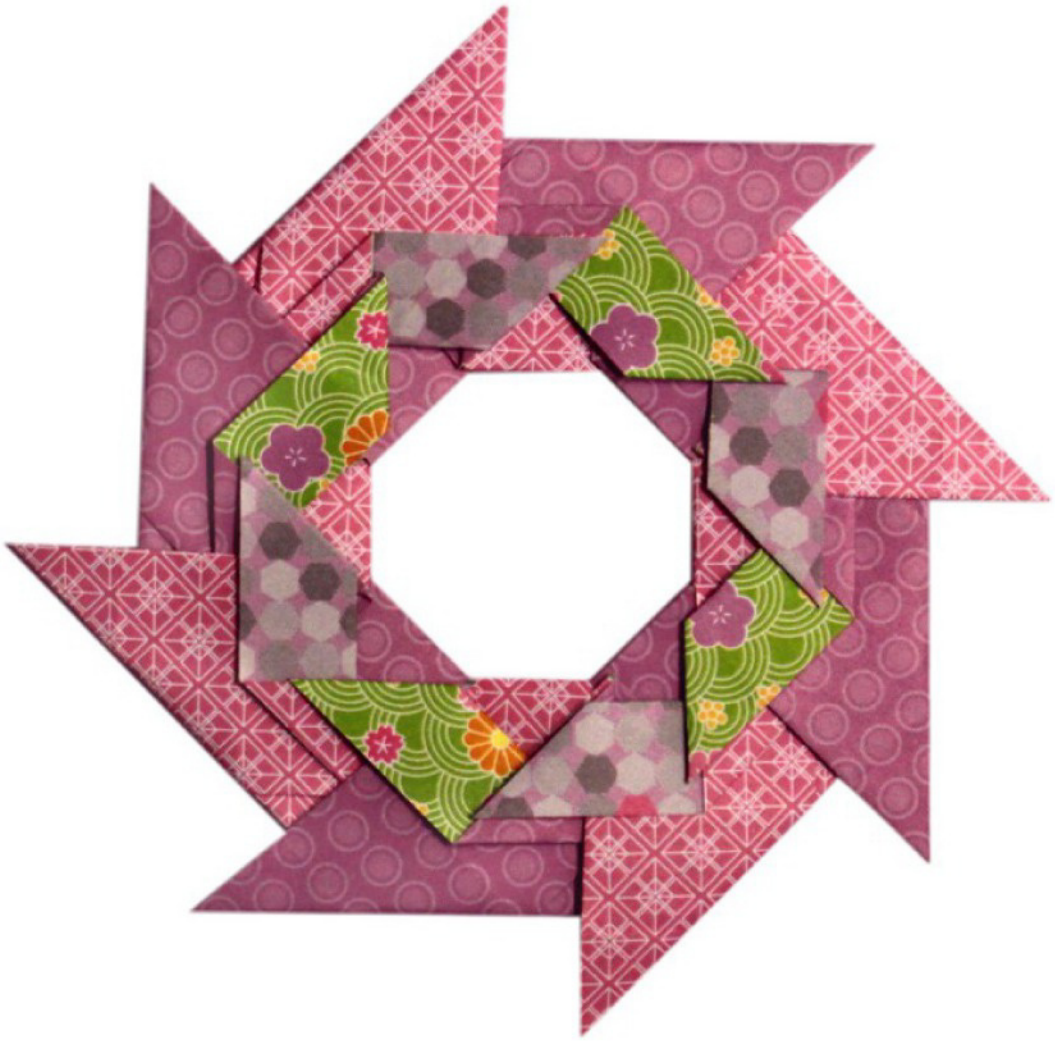
5

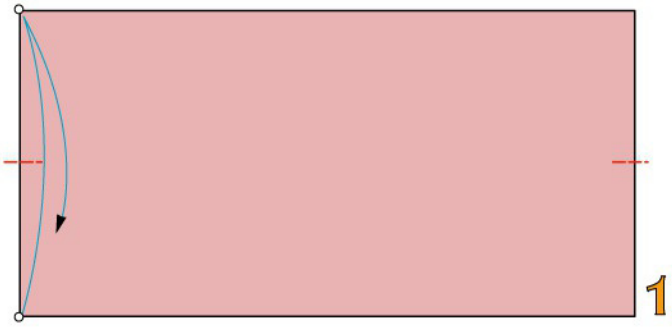


GIRANDOLA "B

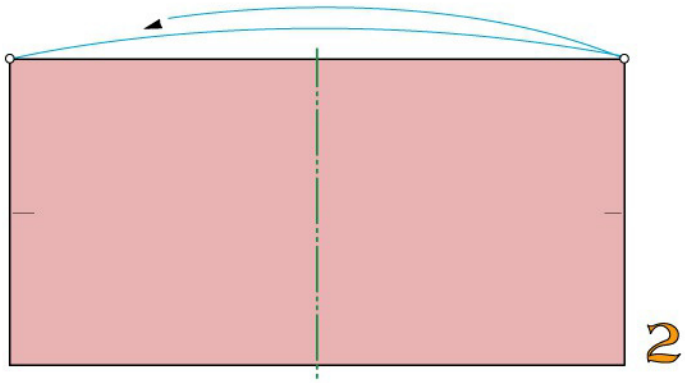
Franco Pavarin 24

Sono necessari 8 fogli bicolori leggeri delle dimensioni di cm 10x5

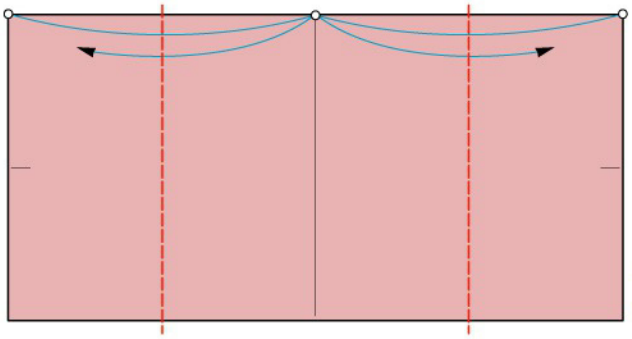




2 pieghe a valle

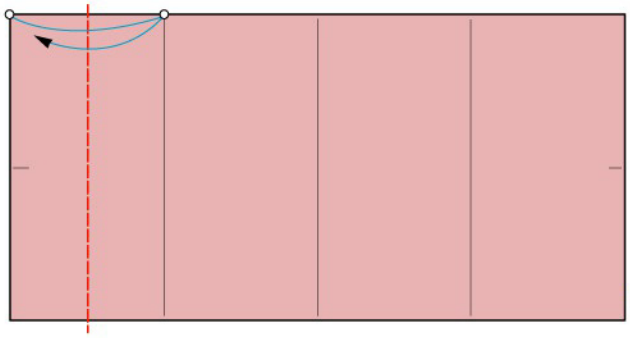


1 piega a monte



3

2 pieghe a valle



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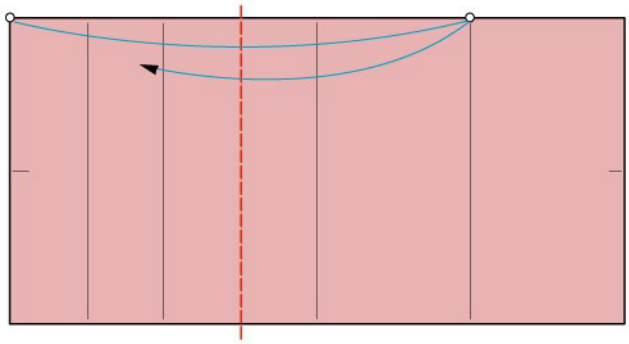
1 piega a valle



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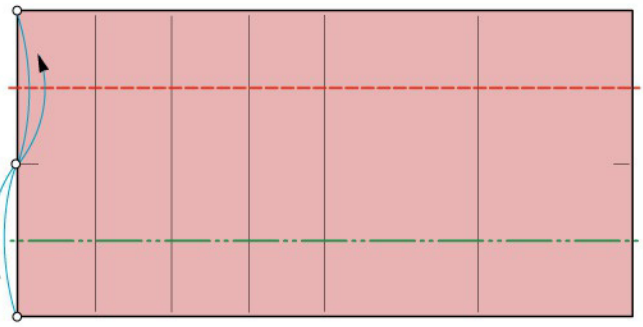
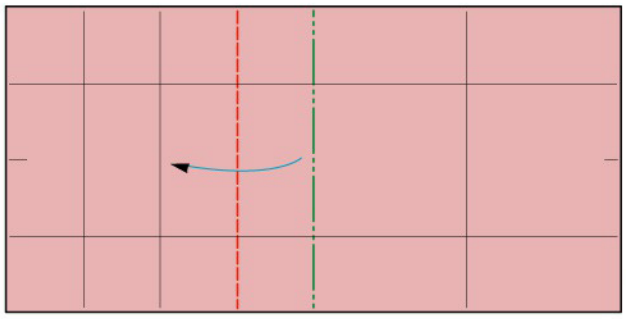
1 piega a valle



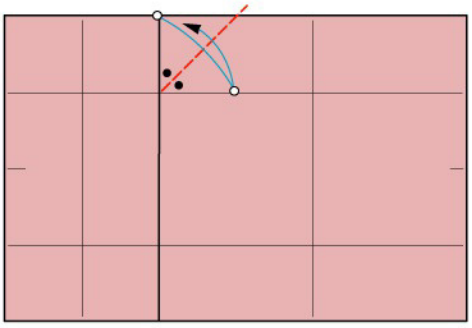
6

1 piega a valle e 1 a monte



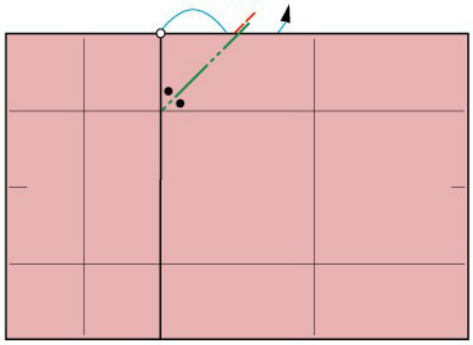
7

Ripiegate a valle e a monte



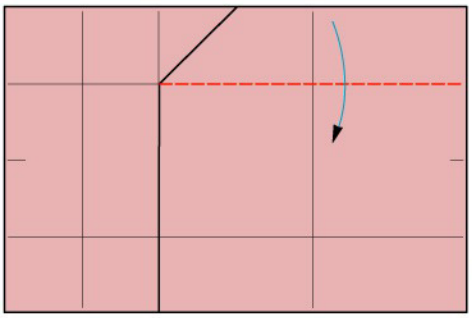
8

1 piega bisettrice a valle



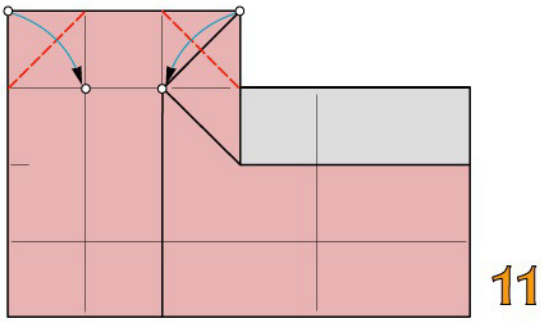
9

1 piega rovescia interna

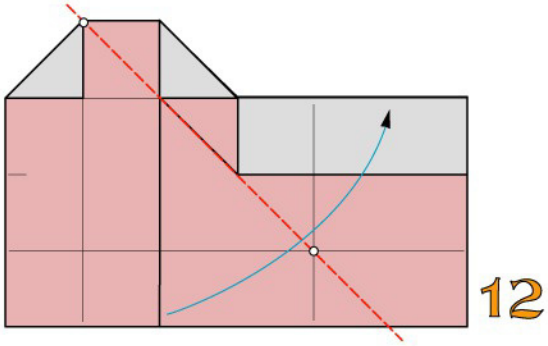


10

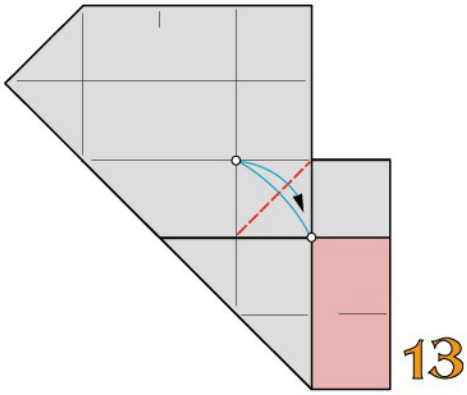
Ripiegate a valle



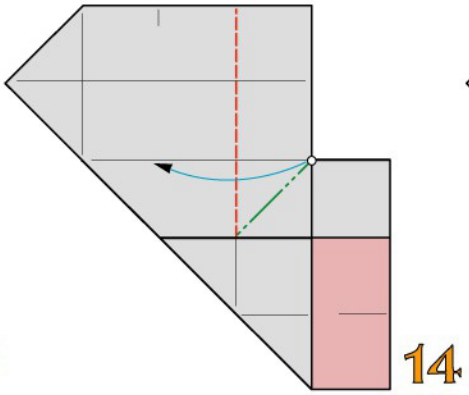
2 pieghe diagonali a valle



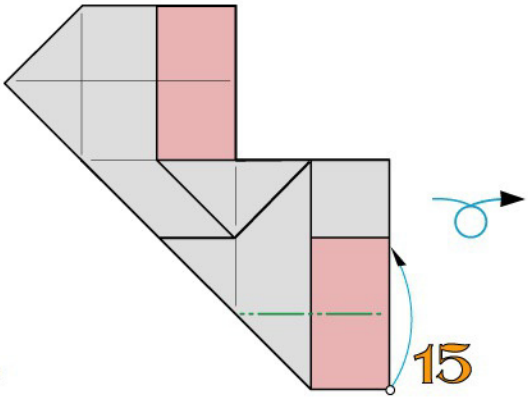
1 piega diagonale a valle



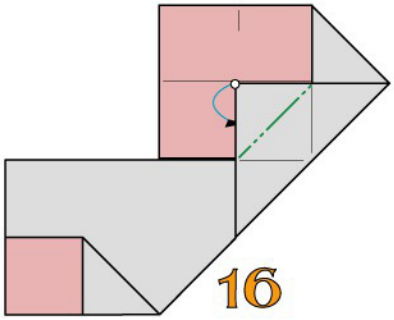
1 piega diagonale a valle



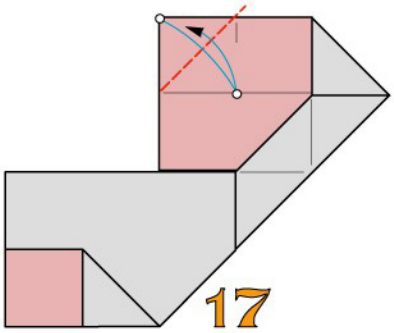
Ripiegate a valle e a monte



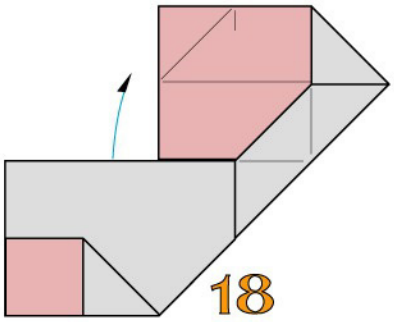
1 piega a monte e ribaltate



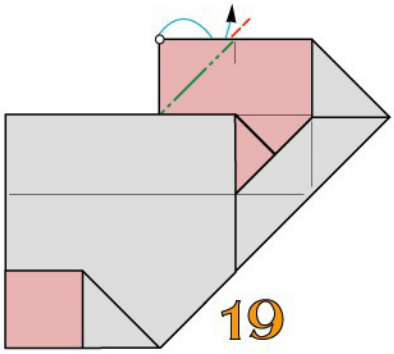
1 piega diagonale a monte



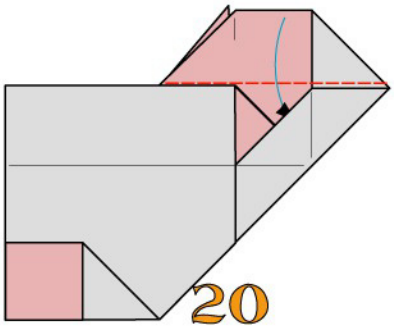
1 piega diagonale a valle



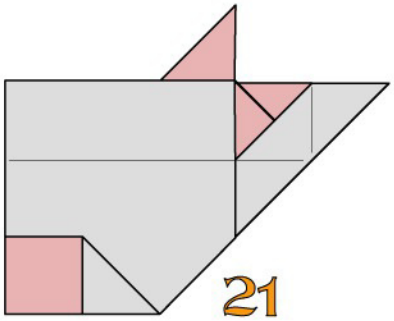
Estraete



1 piega rovescia interna

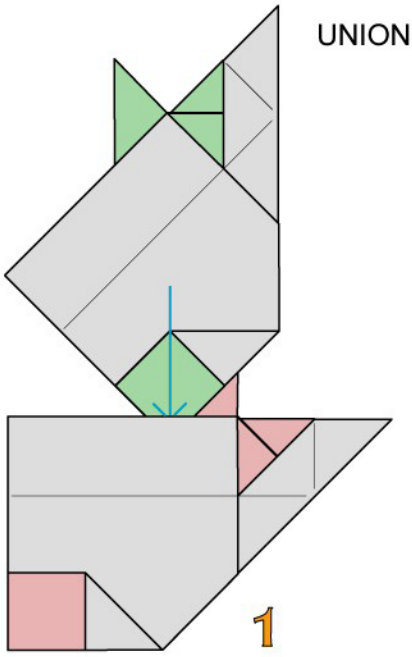


Ripiegando a valle intascate

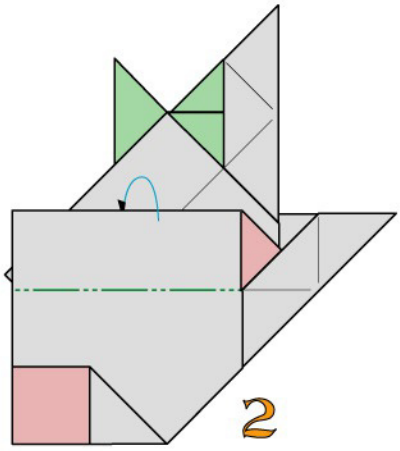


Modulo girandola “B6” ultimato

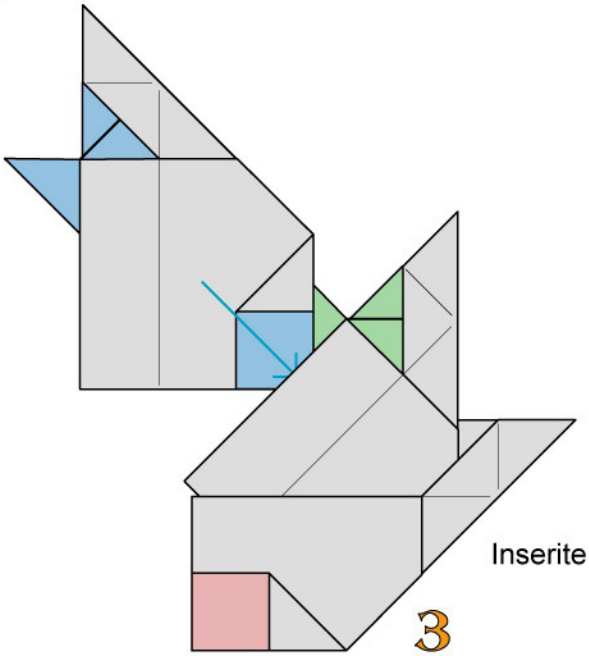
UNIONE DEI MODULI



inserite 1 modulo ruotato
di 45° nell'altro



Ripiegate a monte

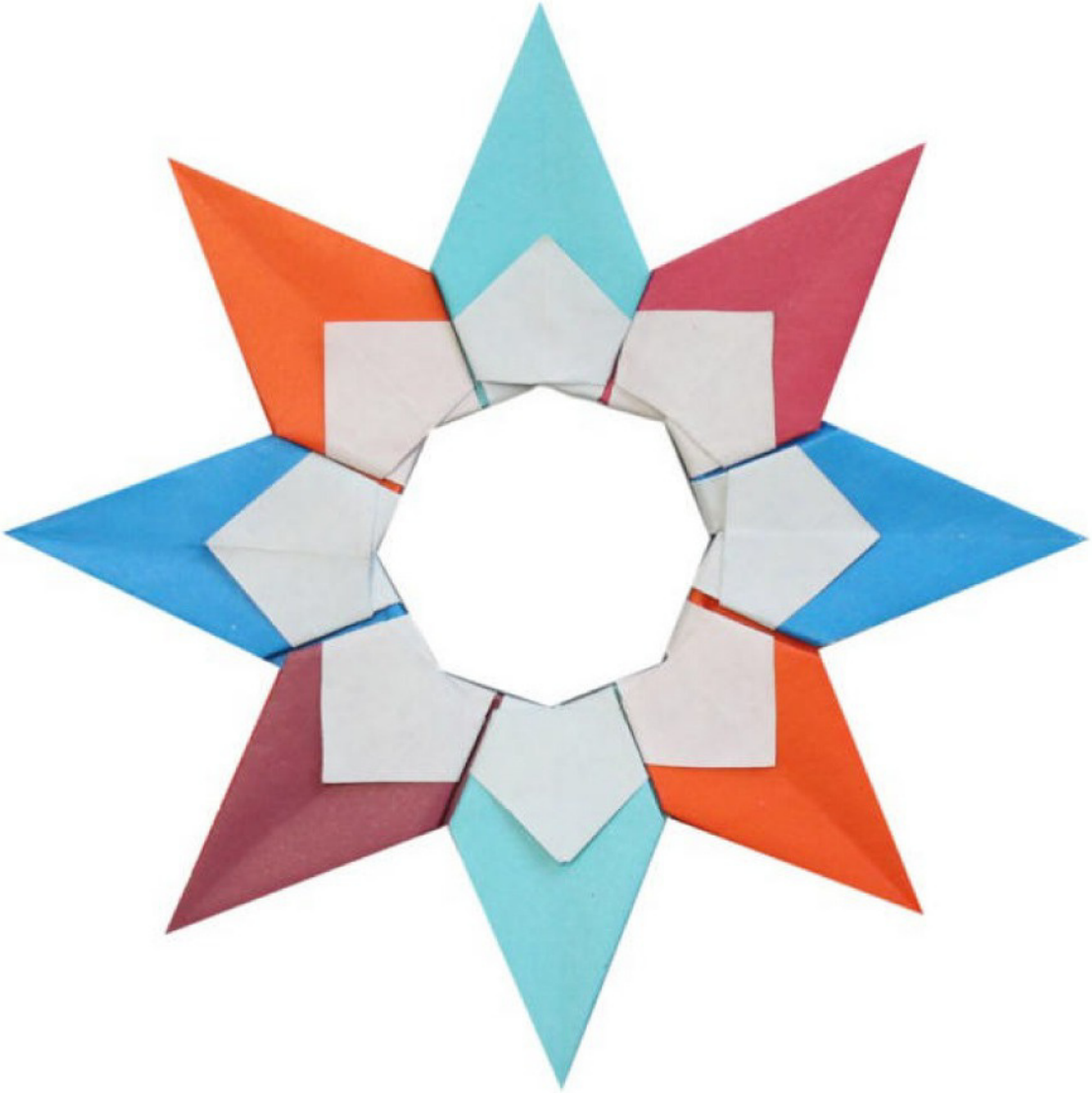


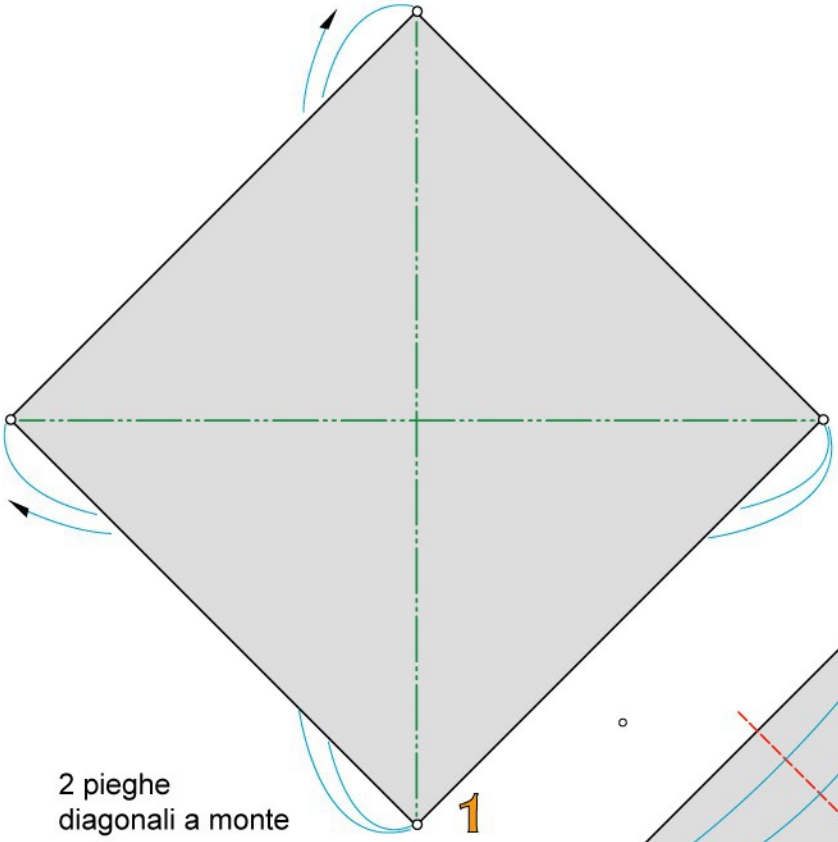
Inserite un nuovo modulo ruotato di 45°

STELLA "A"

Franco Pavarin 24

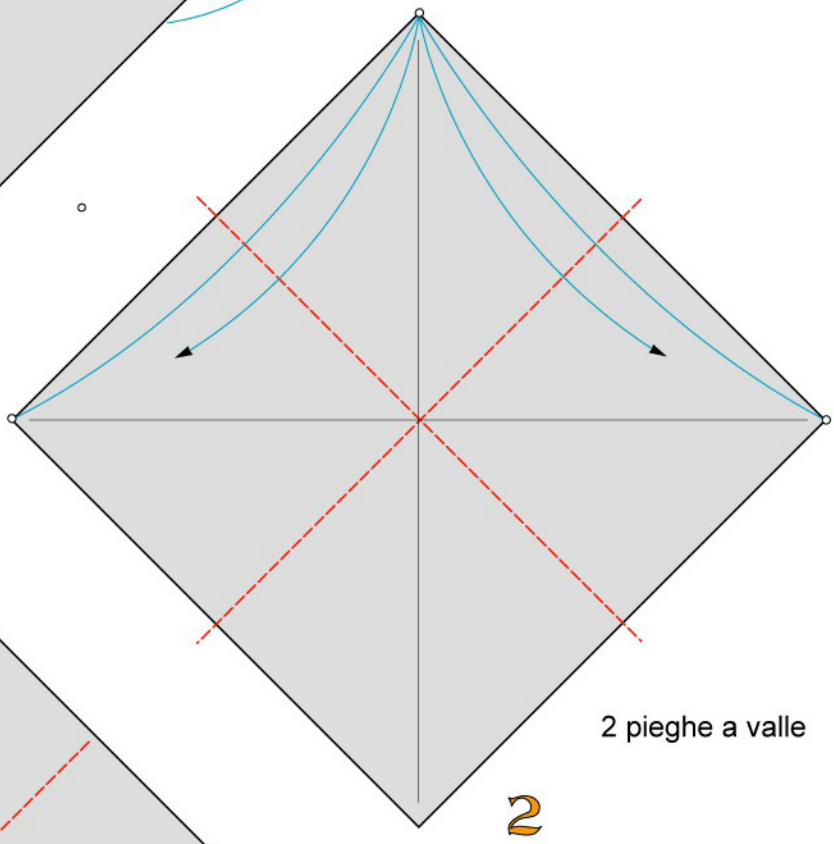
Sono necessari 8 fogli bicolori leggeri delle dimensioni di cm 10x10





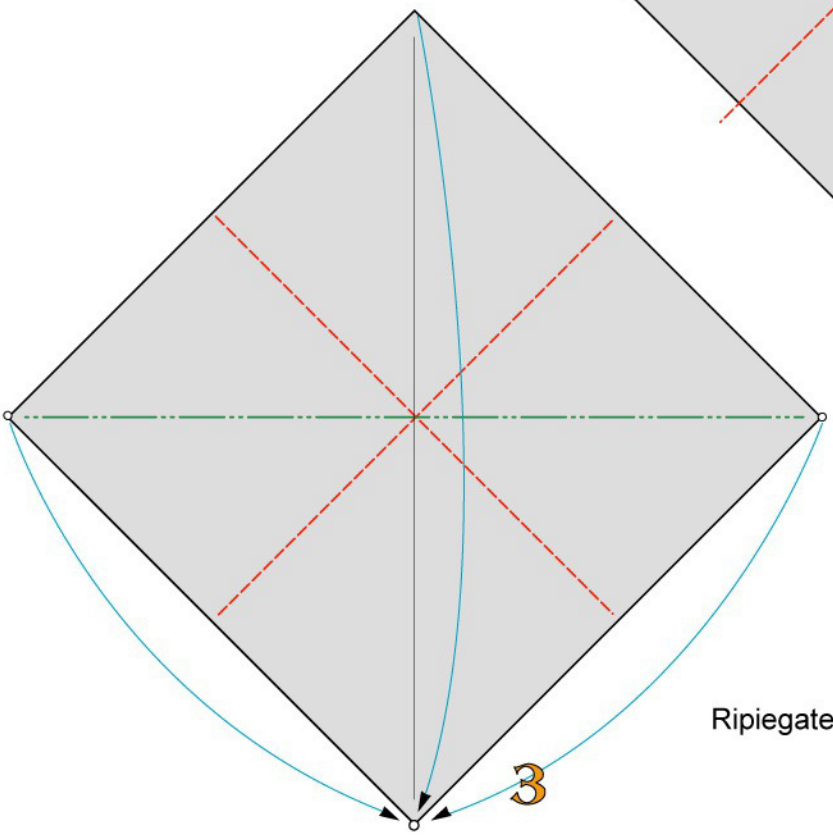
2 pieghe
diagonali a monte

1



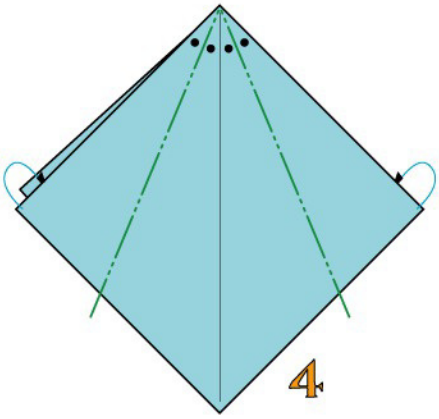
2 pieghe a valle

2

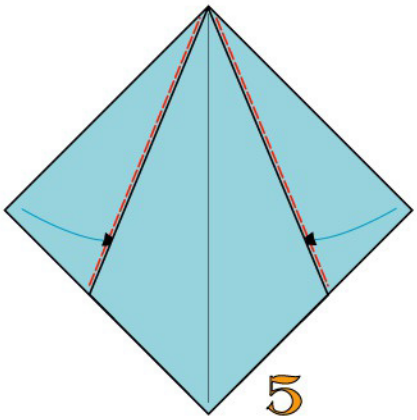


Ripiegate a valle e a monte

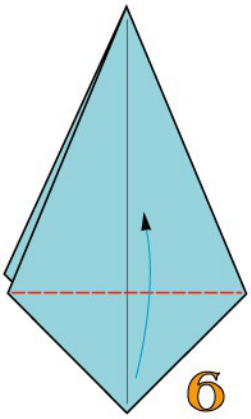
3



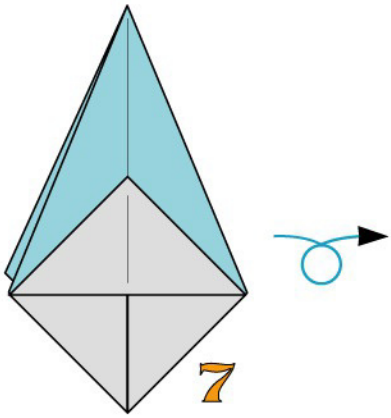
2 pieghe bisettrici a monte



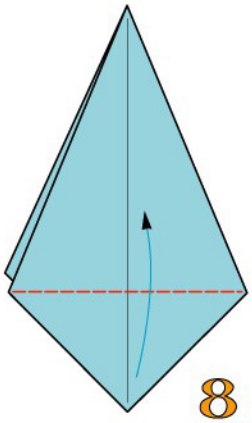
2 pieghe a valle



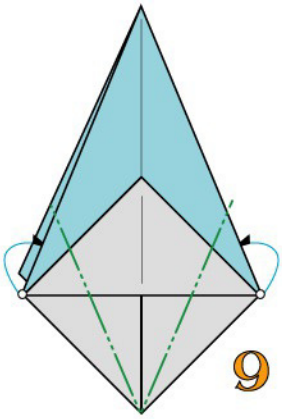
1 piega a valle



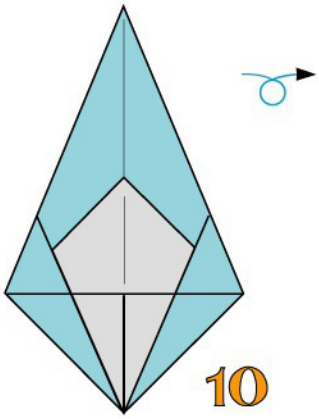
Ribaltate



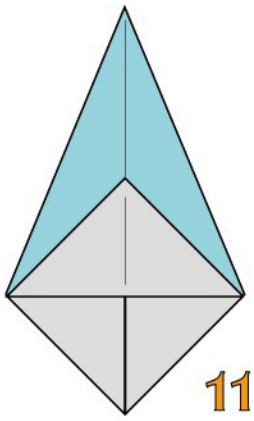
1 piega a valle



2 pieghe bisettrici a monte

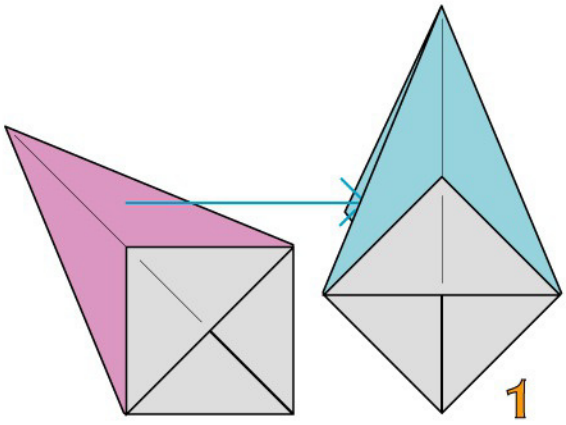


Ribaltate

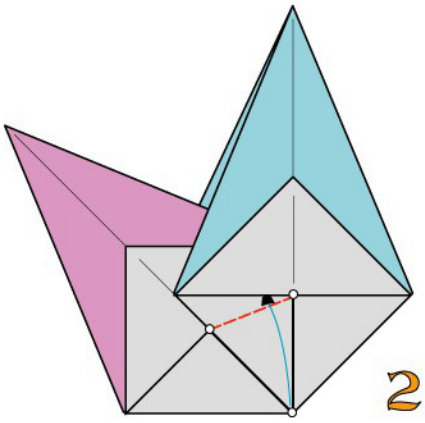


Modulo per stella “A”6 ultimato

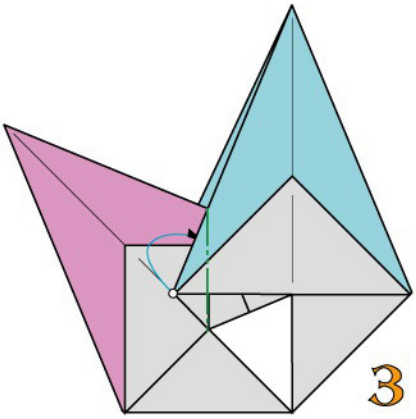
UNIONE DEI MODULI



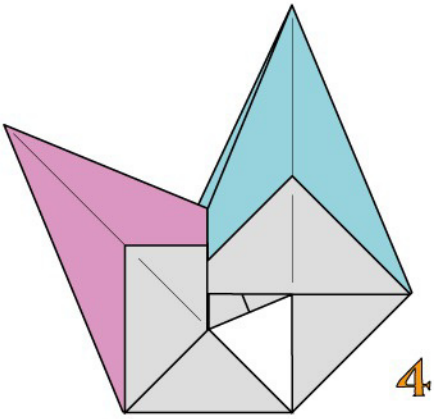
inserite 1 modulo ruotato di 45° nell'altro



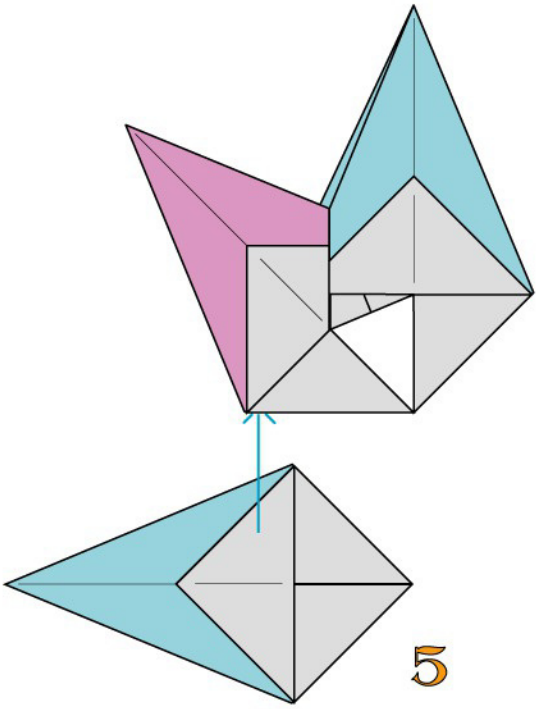
1 piega a valle e intascate



Mediante 1 piega a monte
bloccate l'unione



Unione di 2 moduli completata

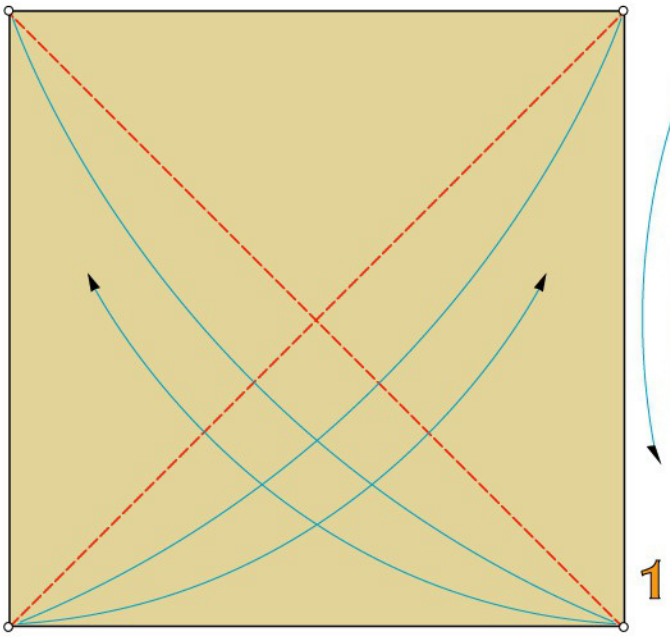


Aggiungete 1 nuovo modulo ruotato di 45°

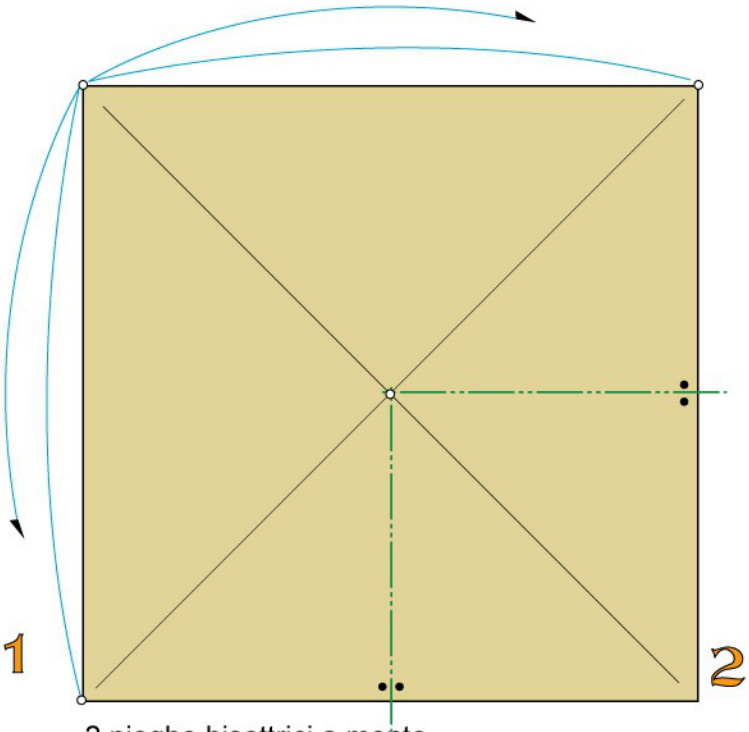
STELLA "B"

Franco Pavarin 24

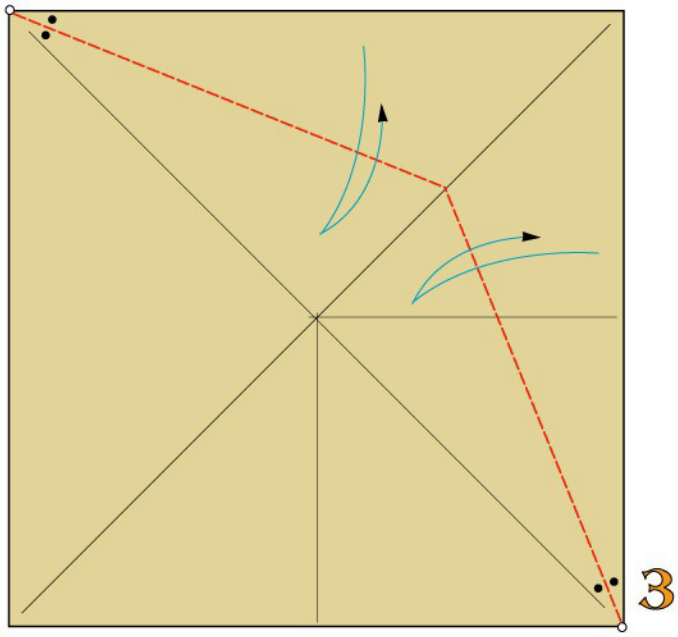
Sono necessari 8 fogli bicolori leggeri delle dimensioni di cm 7,5x7,5



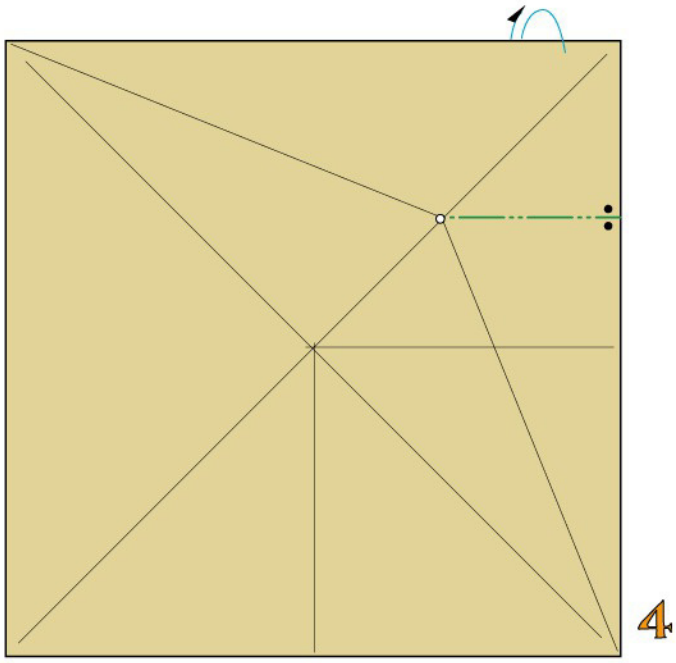
2 pieghe diagonali a valle



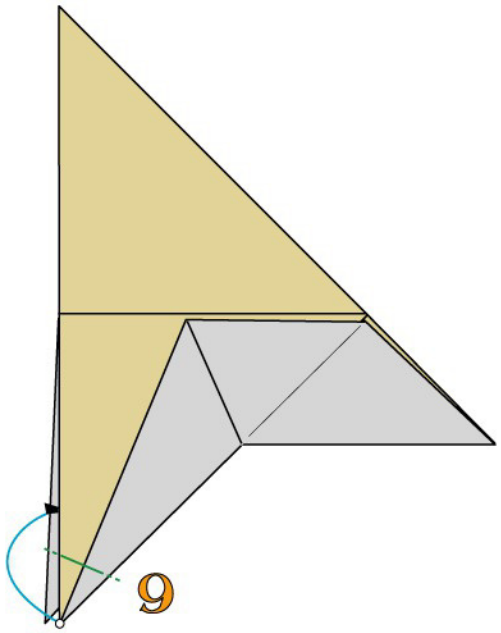
2 pieghe bisettrici a monte



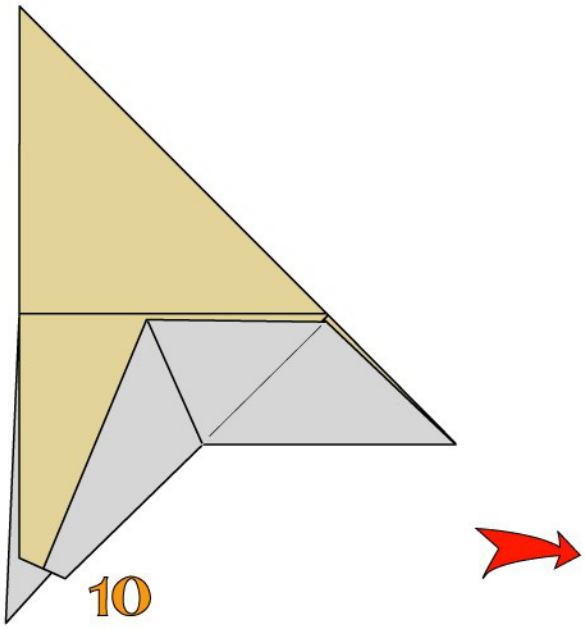
2 pieghe bisettrici a valle



1 piega bisettrice a monte

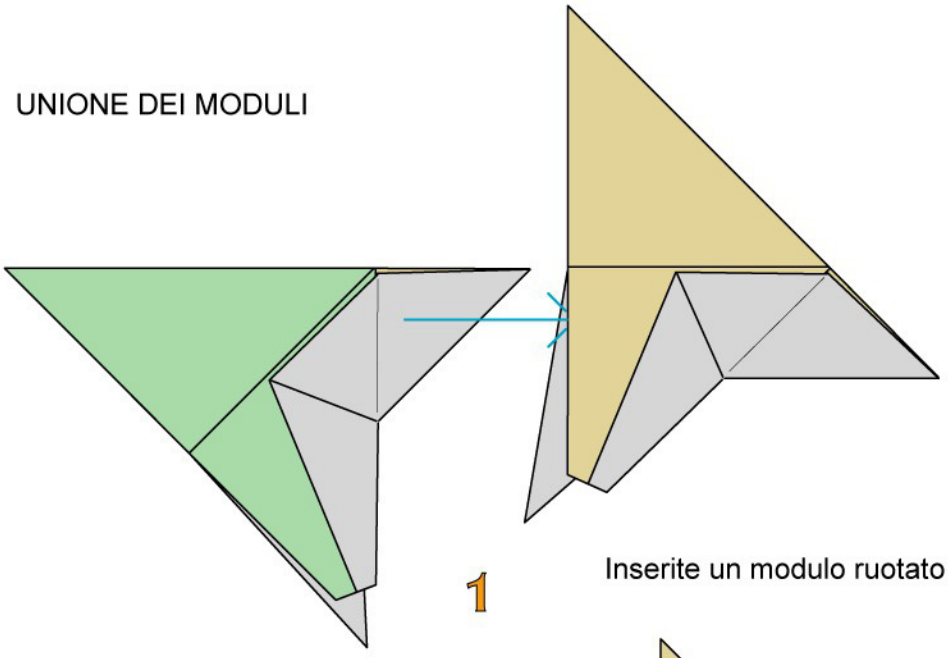


1 piega a monte

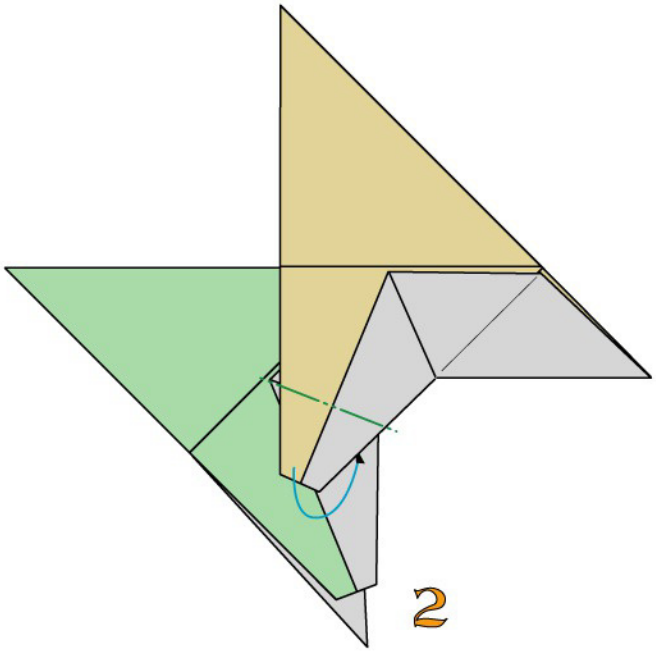


Modulo di stella “A6” ultimato

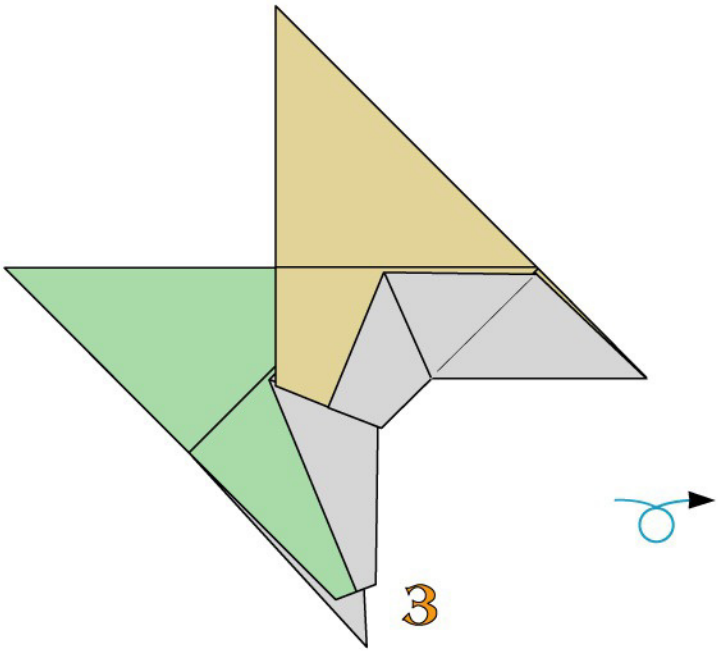
UNIONE DEI MODULI



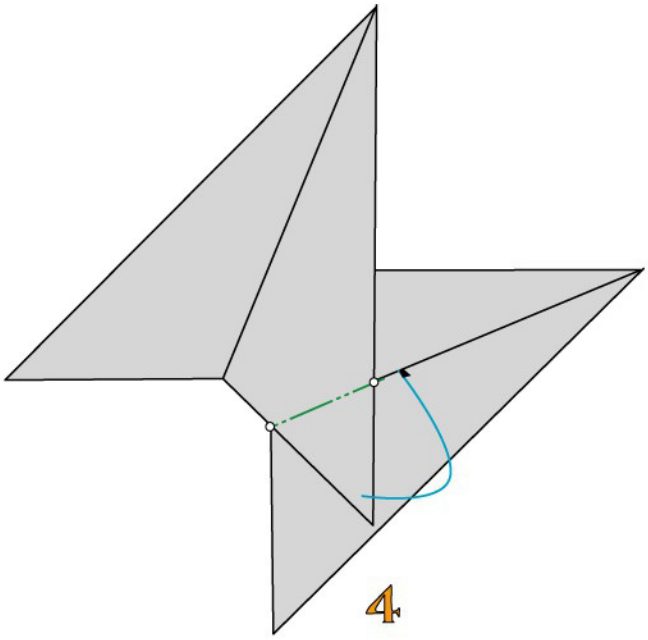
Inserite un modulo ruotato di 45° nell’altro



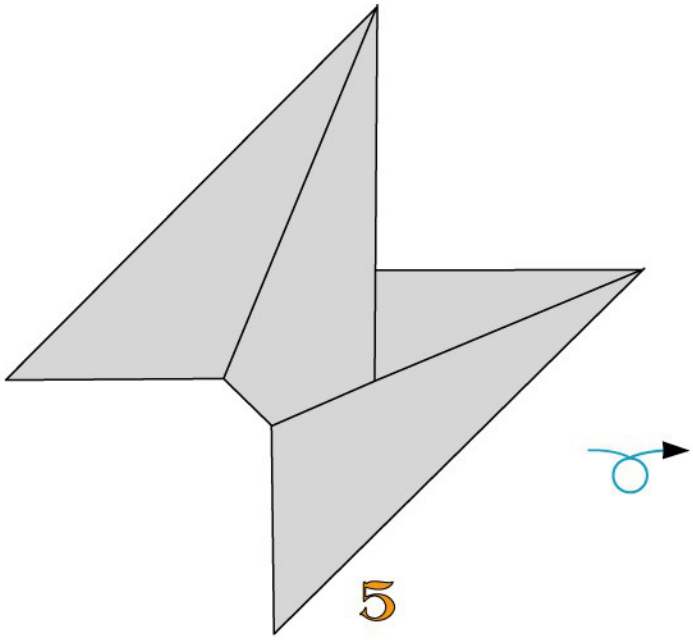
Mediante 1 piega a monte intascate e bloccate l’unione



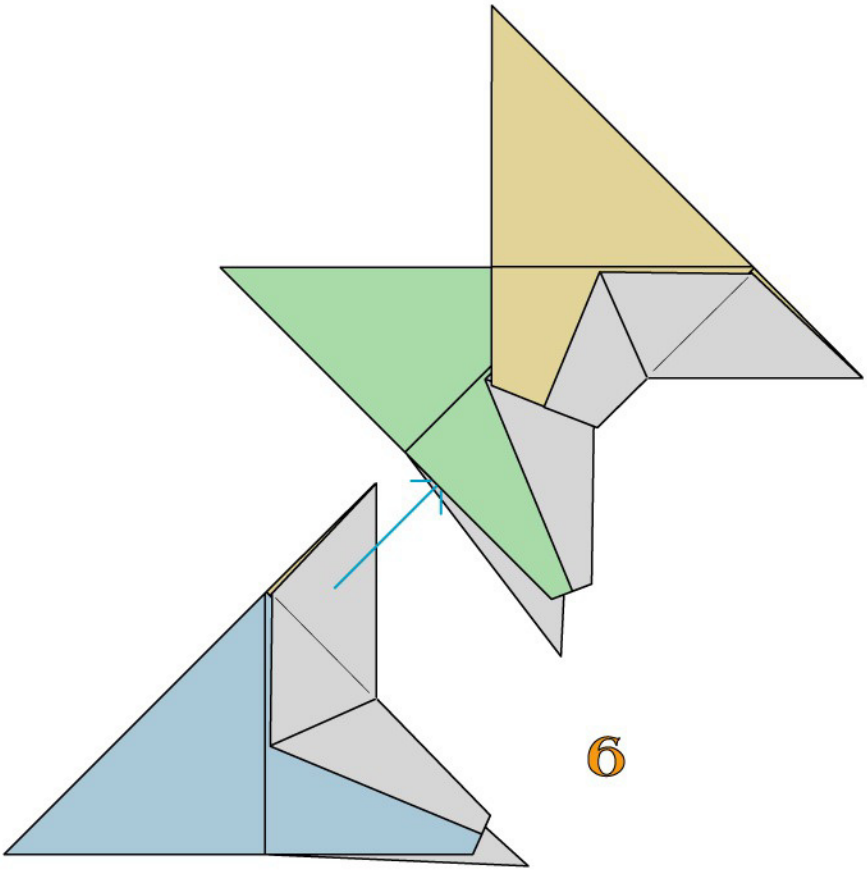
Ribaltate



Mediante 1 piega a monte intascate e bloccate l'unione



Unione di 2 moduli completata.
Ribaltate



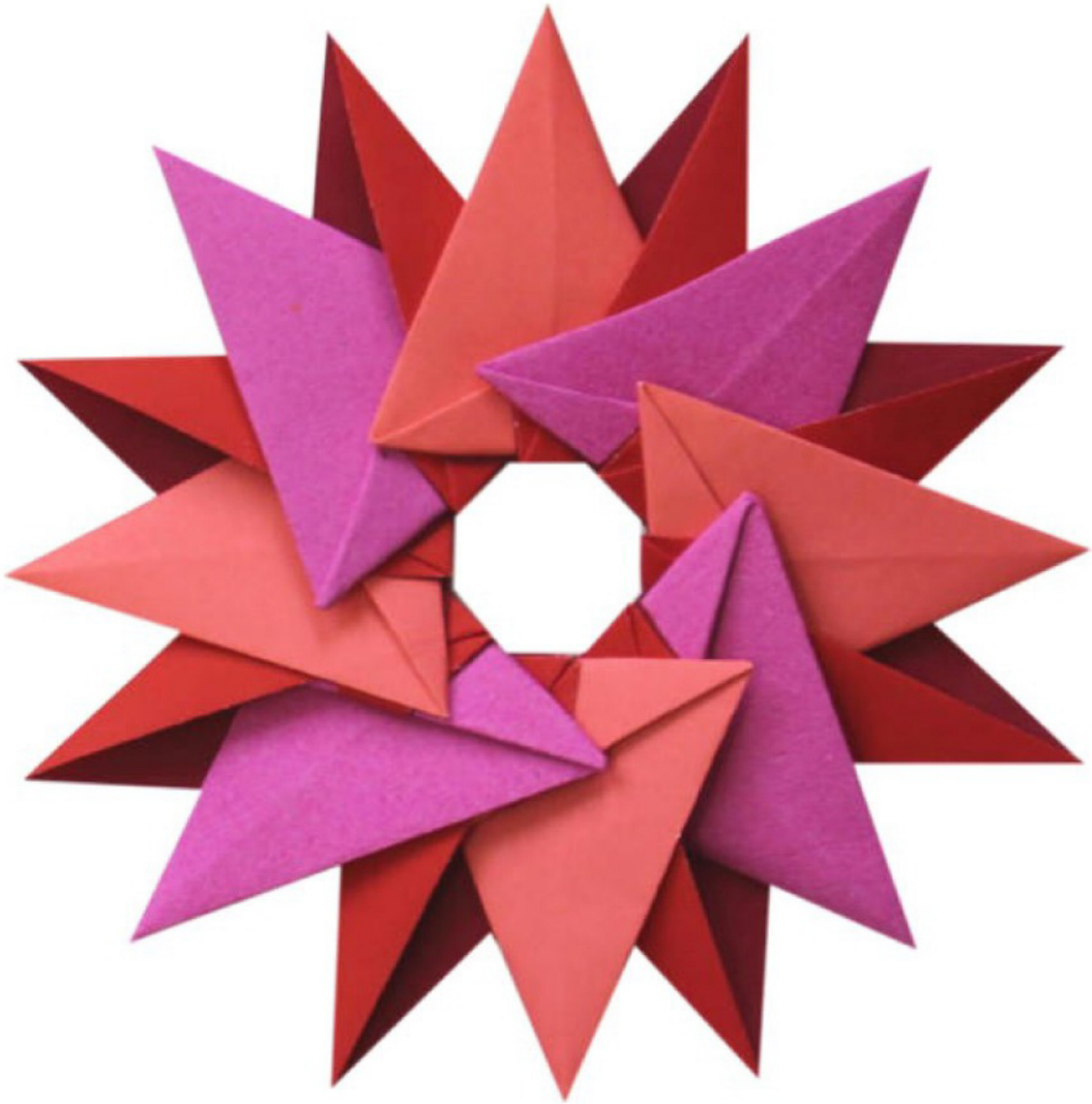
Aggiungete un terzo modulo ruotato di 45°

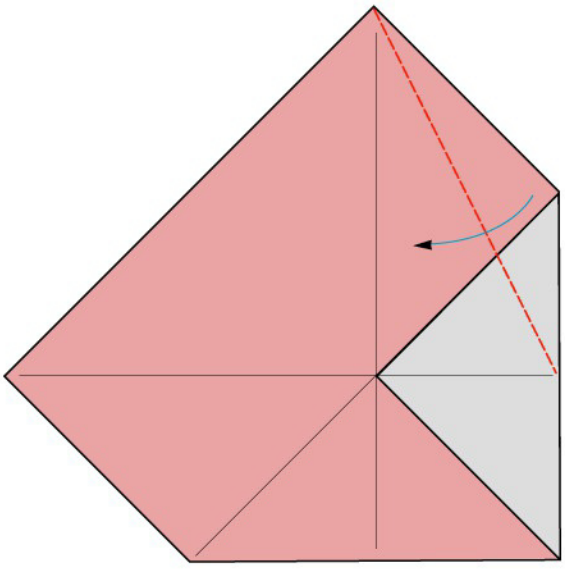
STELLA "C"

Franco Pavarin 24

Per costruire questa stella a 16 punte sono necessari 16 fogli bicolori leggeri delle dimensioni di cm 7,5x7,5. Inizialmente si costruisce una stella con 8 punte, sulla quale, successivamente si montano le altre 8 punte

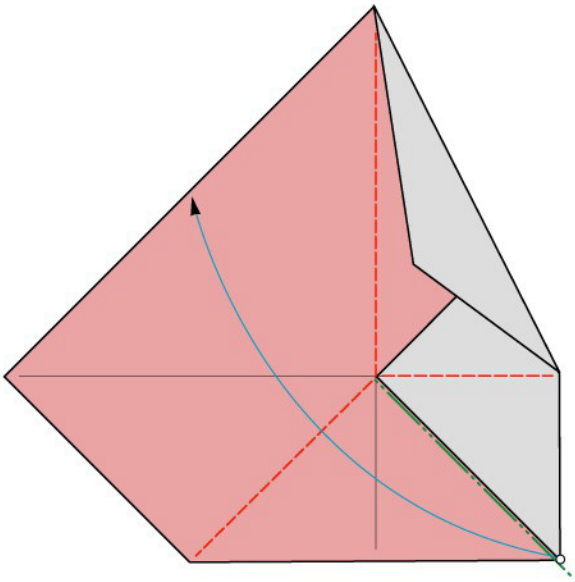
To build this 16-pointed star, 16 light two-tone sheets measuring 7.5x7.5 cm are needed. Initially, a star with 8 points is built, on which the other 8 points are subsequently mounted





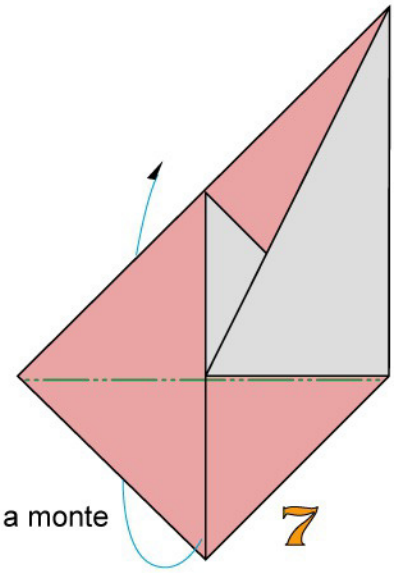
5

1 piega a valle



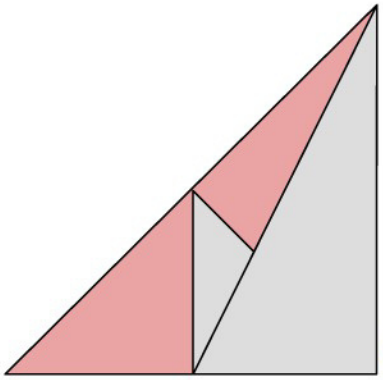
6

Ripiegate a valle e a monte



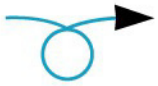
1 piega a monte

7

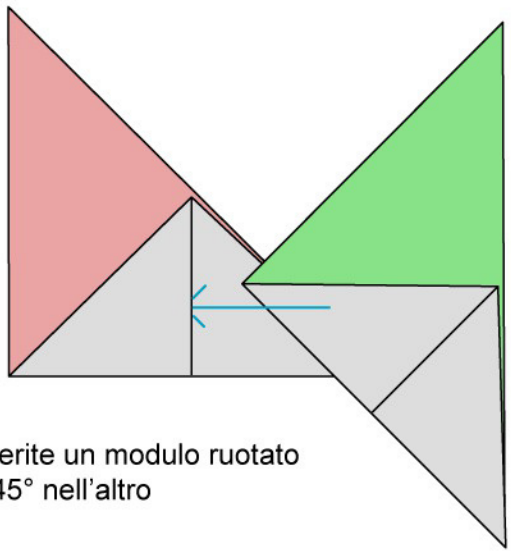


8

Modulo della stella di base ultimato. Ribaltate

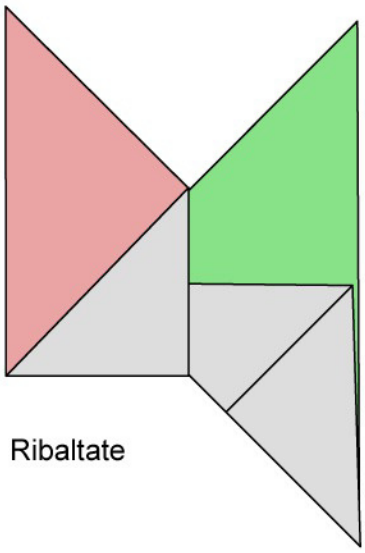


UNIONE DEI MODULI



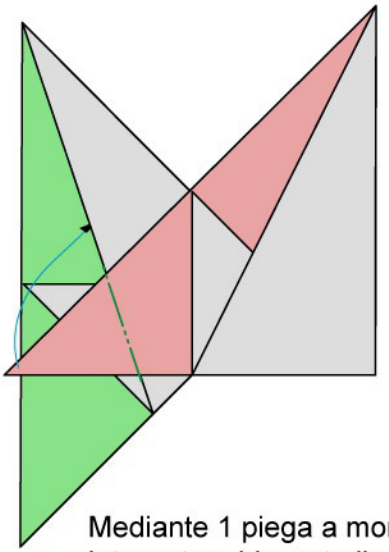
Inserite un modulo ruotato di 45° nell'altro

1



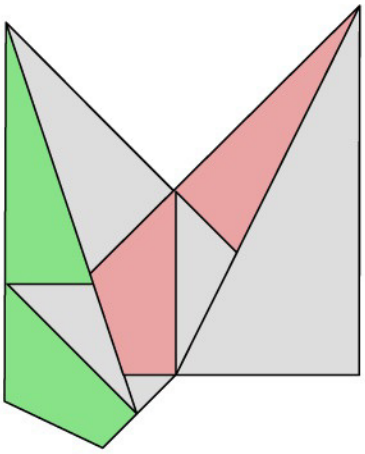
Ribaltate

2



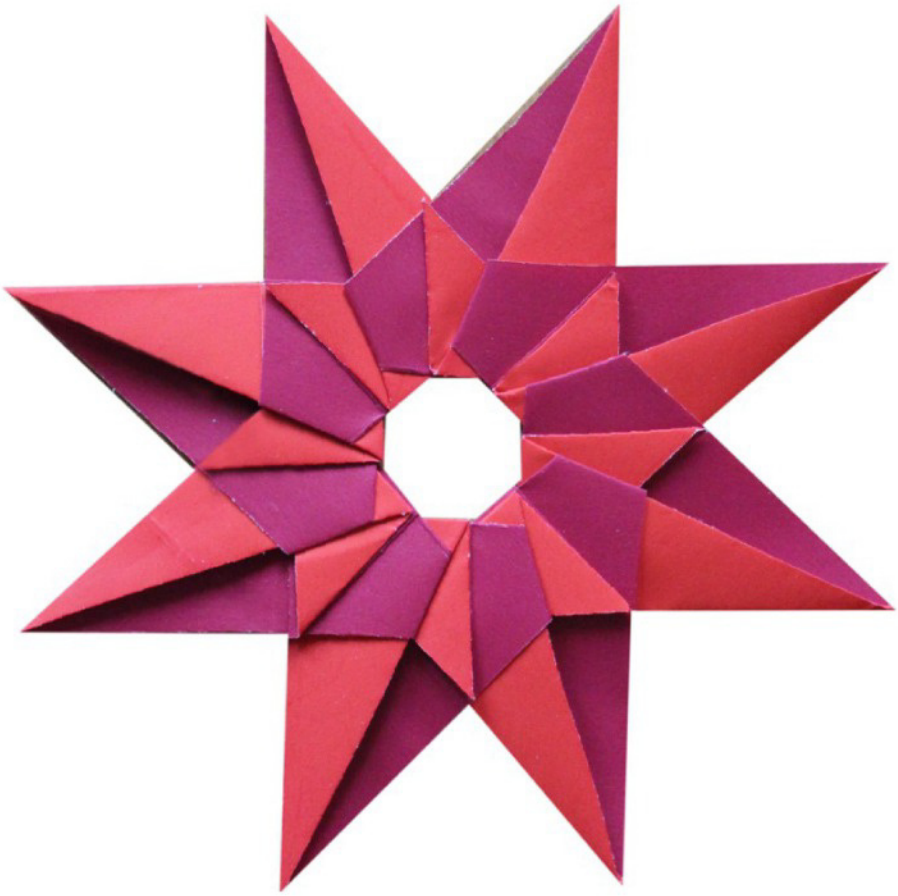
3

Mediante 1 piega a monte
intascate e bloccate l'unione



4

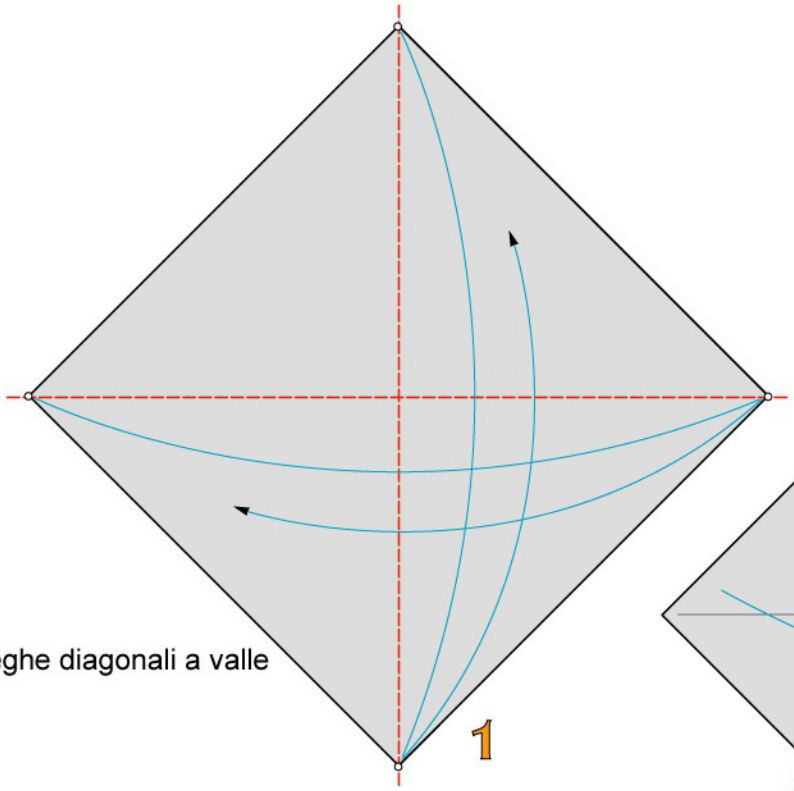
Unione di 2 moduli completata.



5

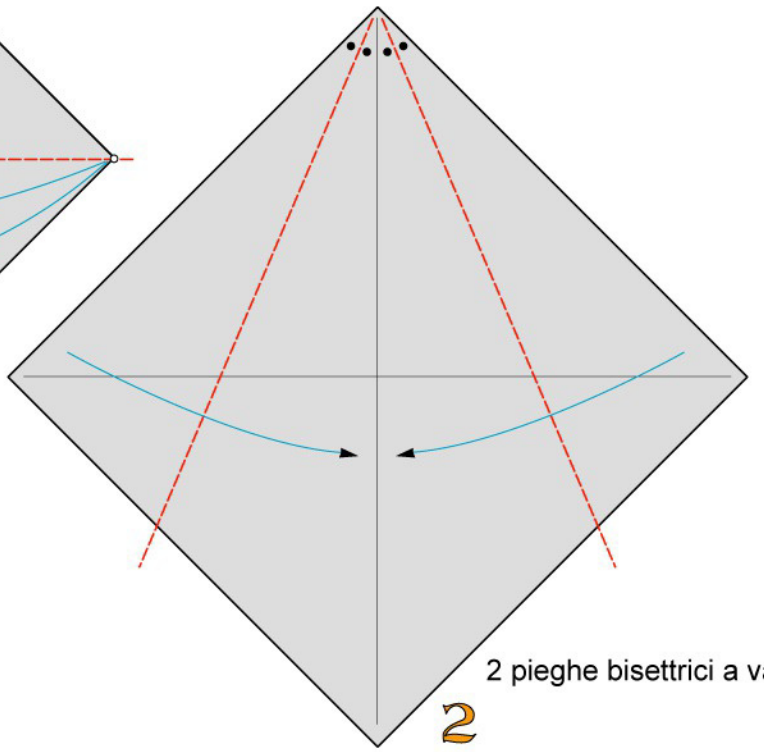
Stella di base completata

COSTRUZIONE DELLE ALTRE 8 PUNTE



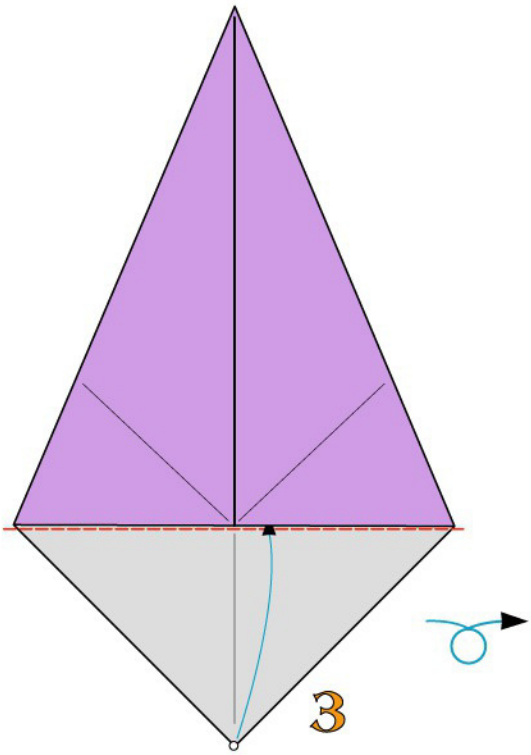
2 pieghe diagonali a valle

1



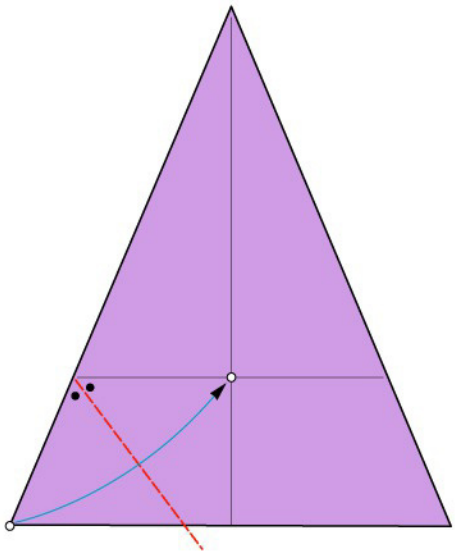
2 pieghe bisettrici a valle

2



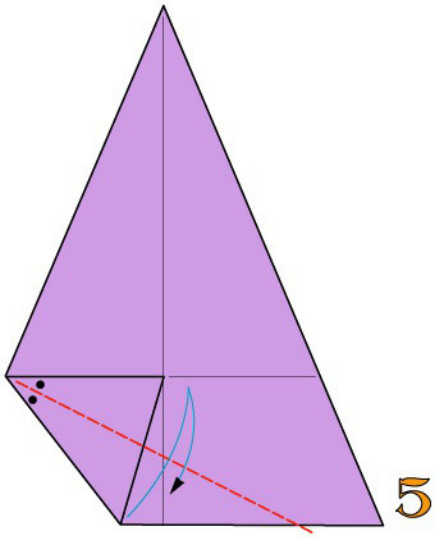
3

1 piega a valle e intascate

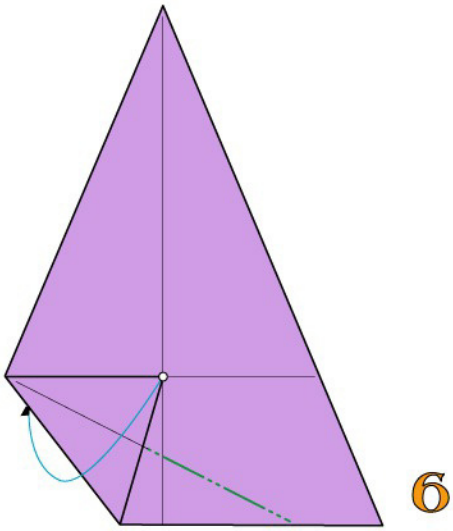


4

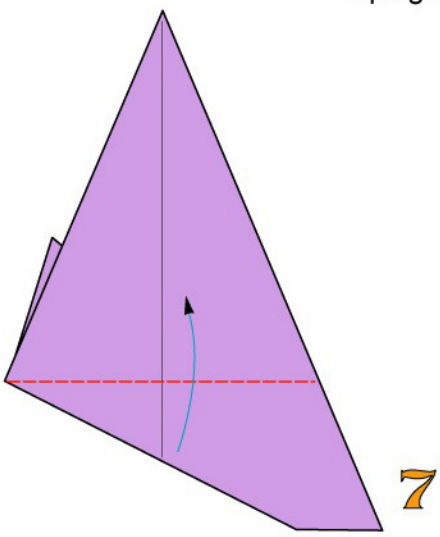
1 piega bisettrice a valle



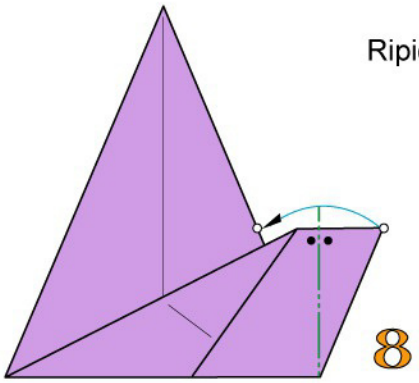
1 piega bisettrice a valle



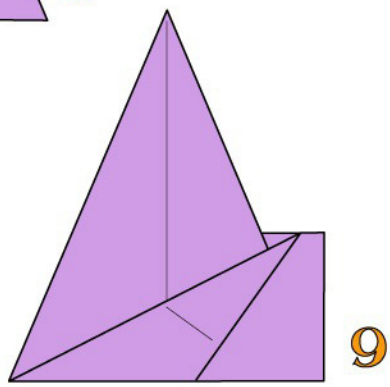
Ripiegate a monte



Ripiegate a valle

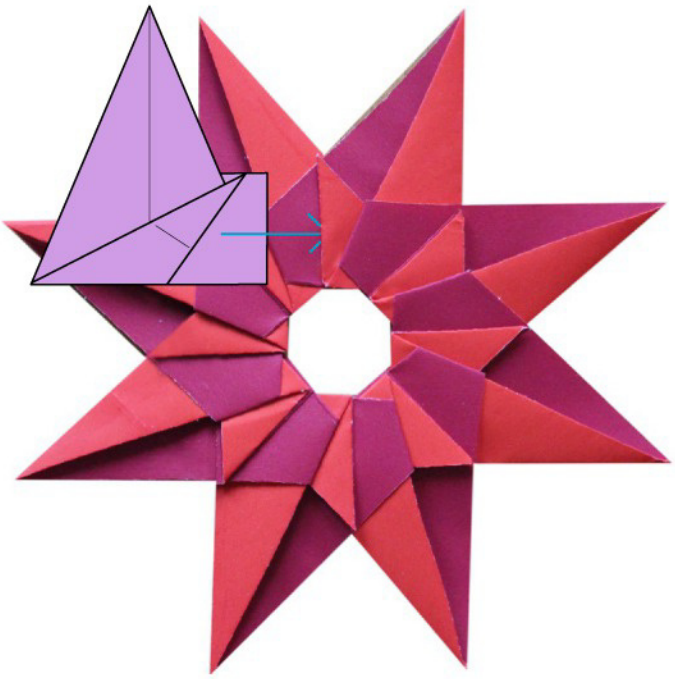


1 piega bisettrice a monte

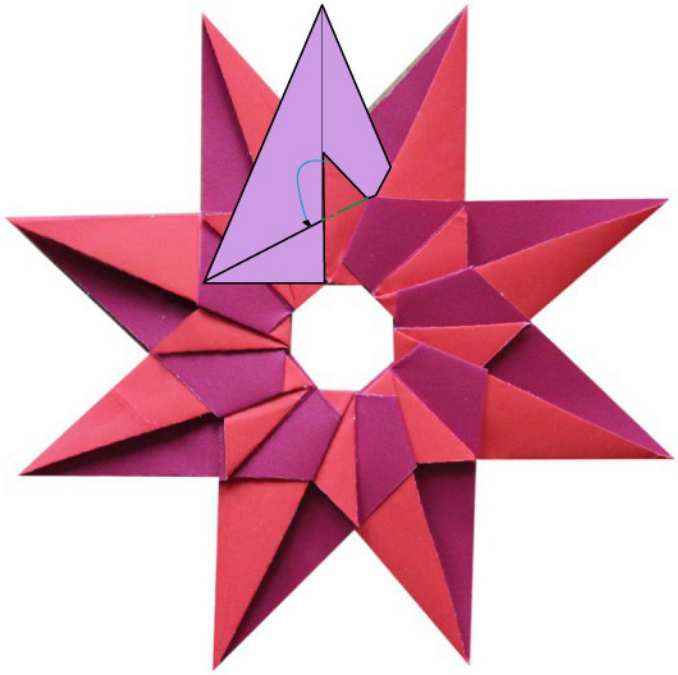


Modulo accessorio ultimato

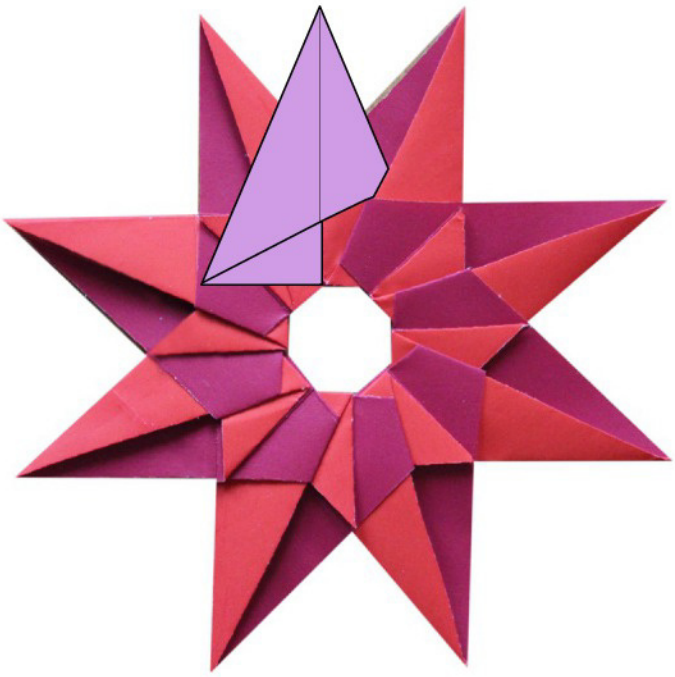
MONTAGGIO DELLE 8 PUNTE ACCESSORIE



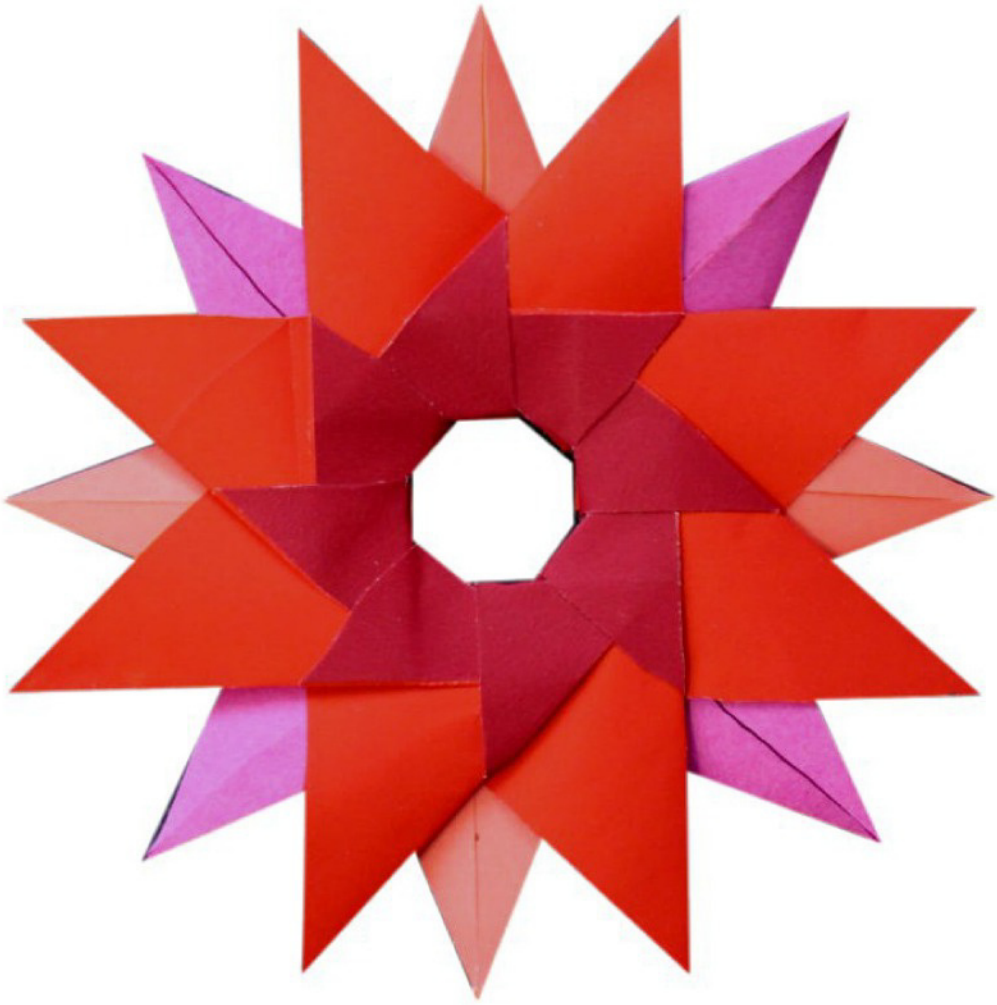
Inserite un modulo
accessorio nella stella



Mediante 1 piega a monte
intascate e bloccate l'unione



Modulo accessorio bloccato



Retro della stella ultimata

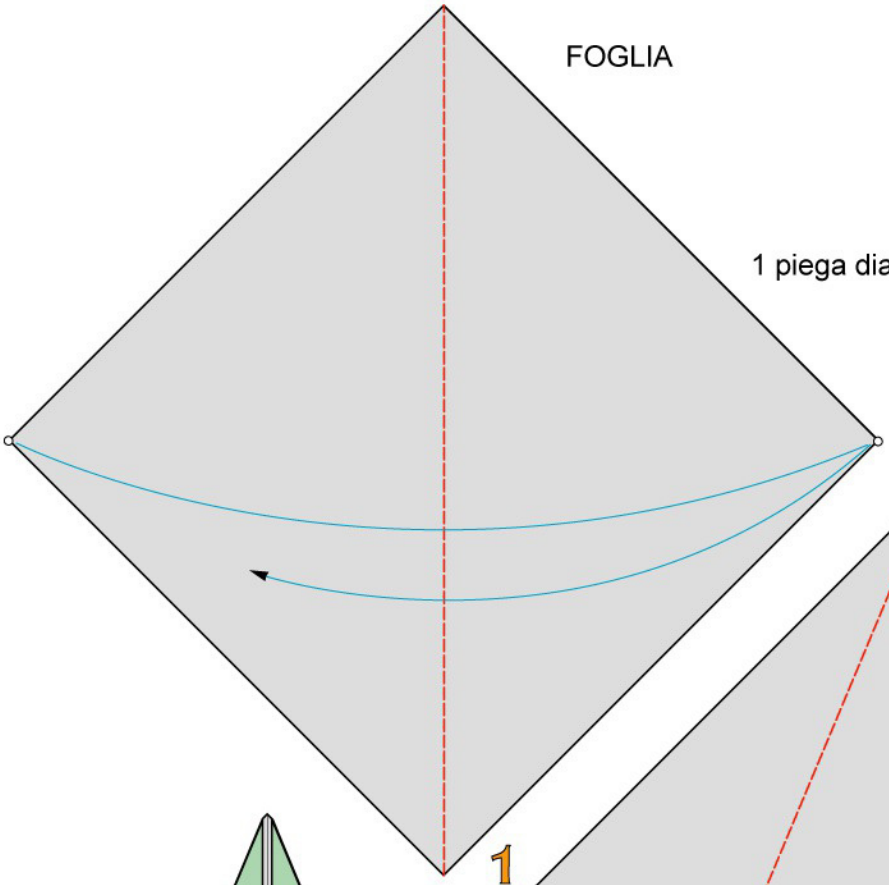
MAIS MODULARE

Franco Pavarin 24

Sono necessari 2 fogli delle dimensioni di cm 5x10 per costruire il gambo e 3 fogli di cm 10x10 per le foglie.
Adoperate carta monocolore di medio peso

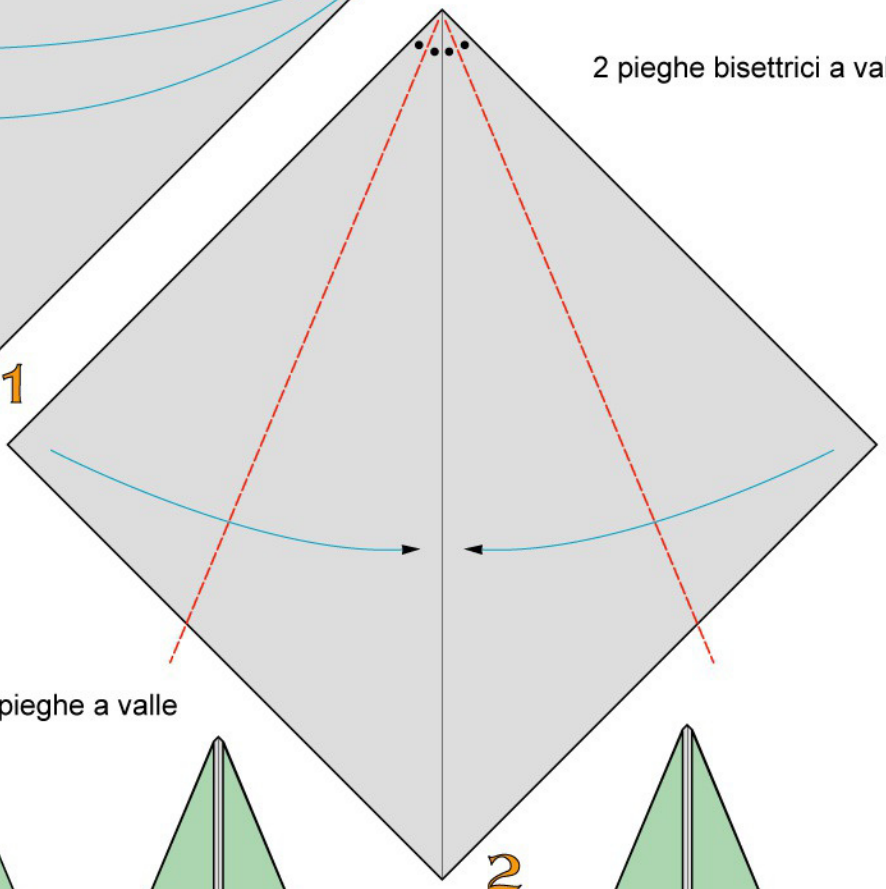
FOGLIA

1 piega diagonale a valle



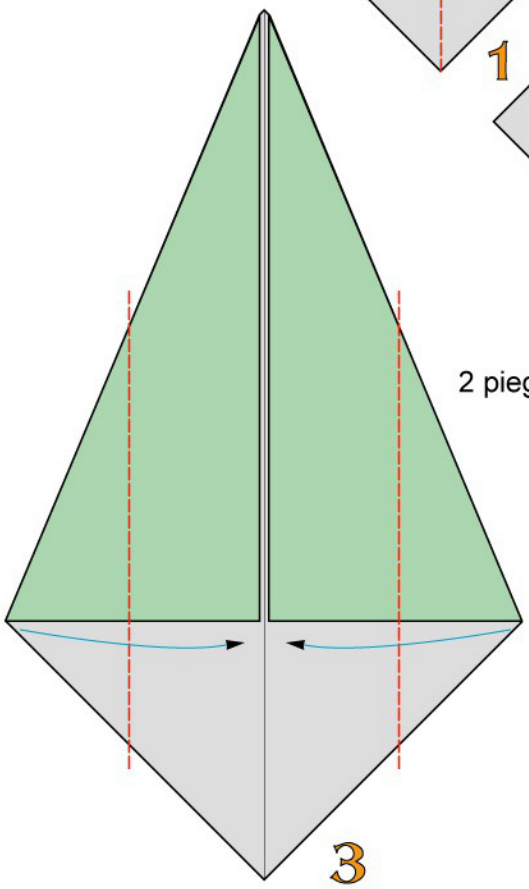
1

2 pieghe bisettrici a valle



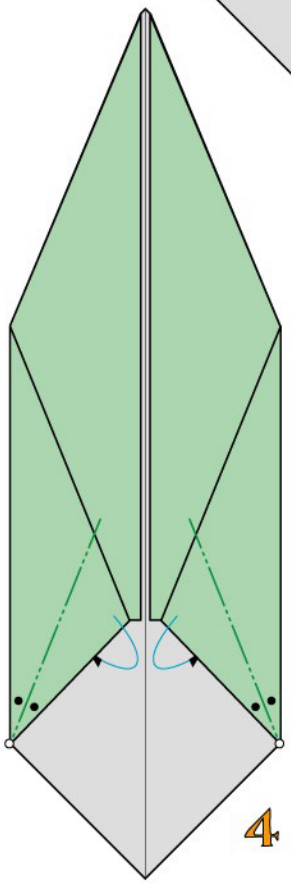
2

2 pieghe a valle



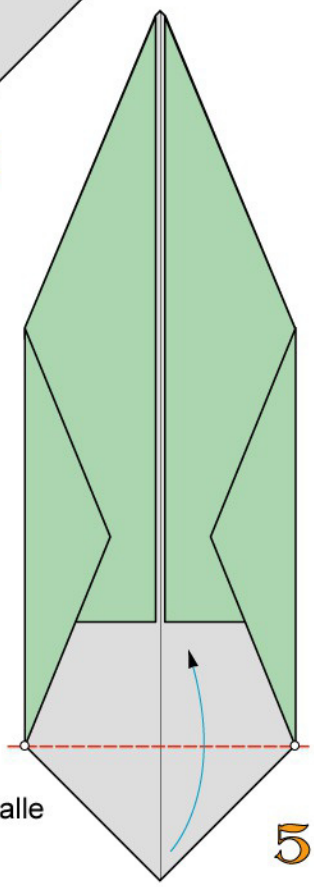
3

2 pieghe bisettrici a monte



4

1 piega a valle



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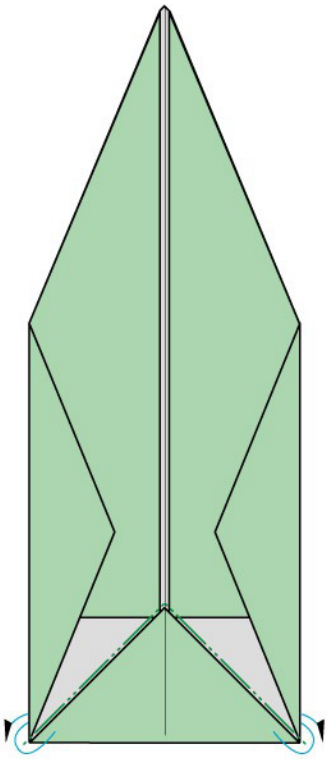
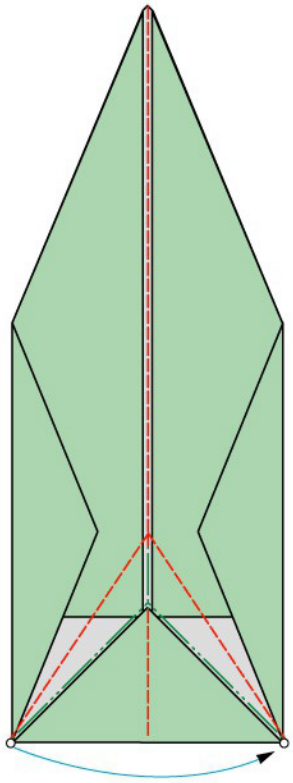


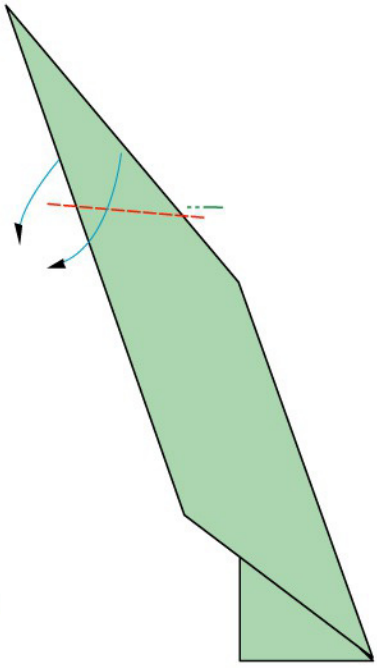
6

2 pieghe a monte



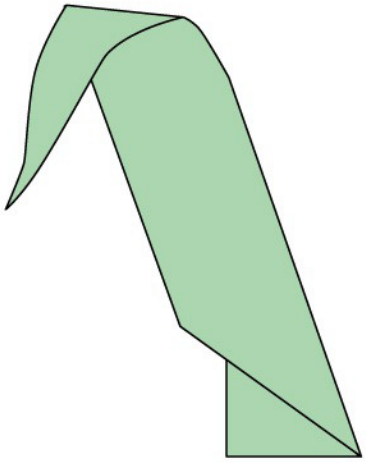
7

2 pieghe a valle e ripiegate a monte



8

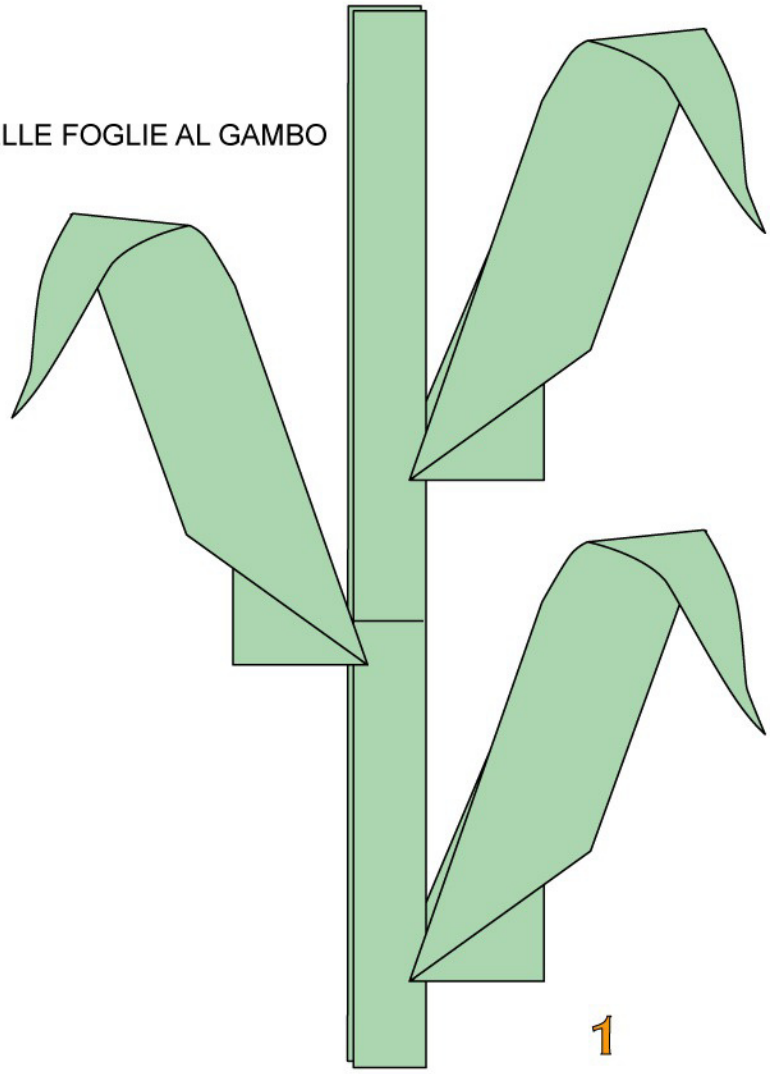
1 piega rovescia esterna morbida
1 soft external reverse fold



9

Modulo foglia di
mais ultimato

UNIONE DELLE FOGLIE AL GAMBO



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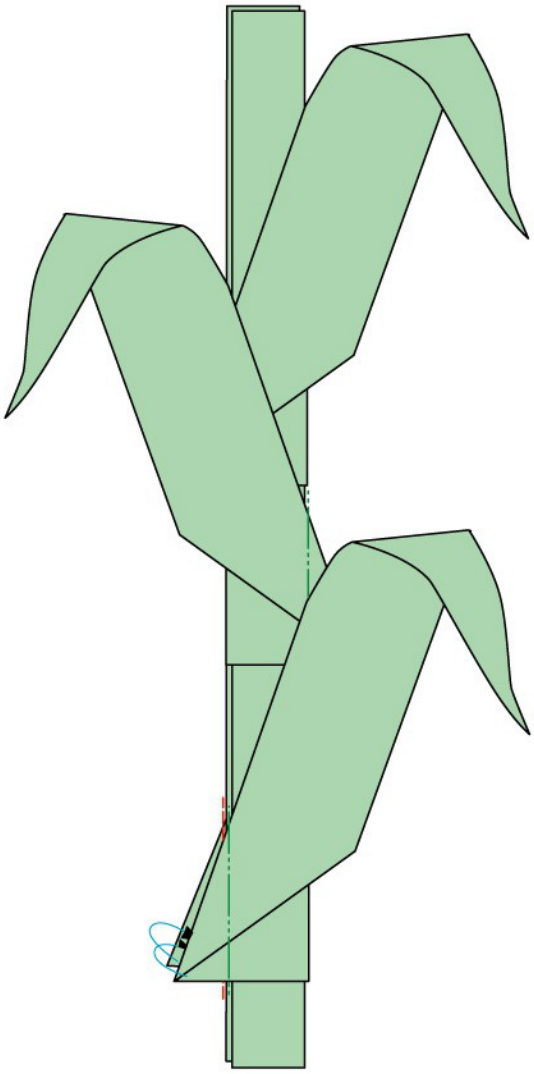
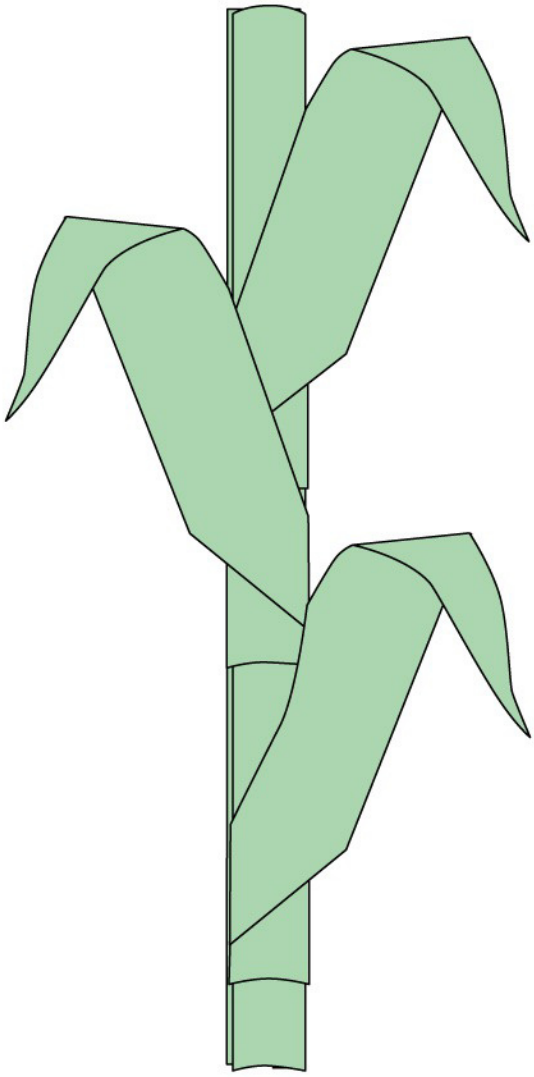
Sormontate le foglie sul gambo



Mediante pieghe a monte
bloccate le foglie sul gambo



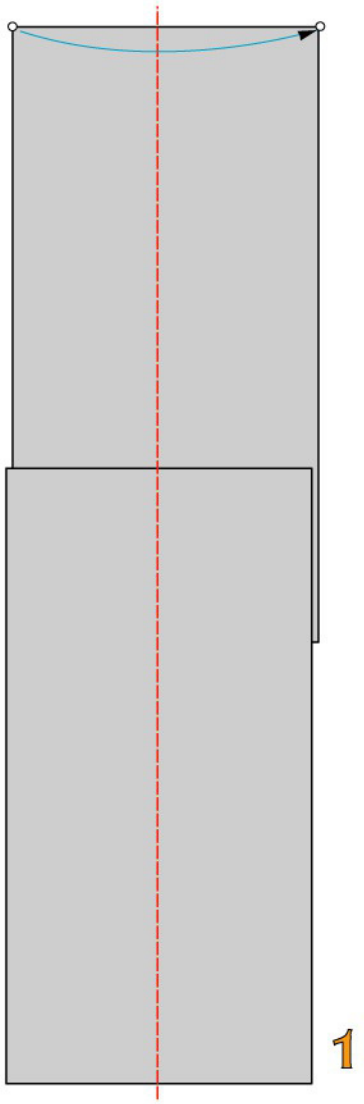
Foglie unite al gambo

BAMBOO MODULARE

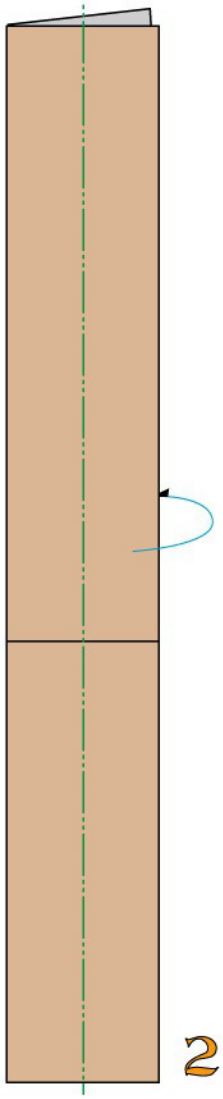
Franco Pavarin 24

Sono necessari 2 fogli monocolori per costruire il gambo e 4 fogli sempre monocolori per le foglie. Adoperate carta di medio peso delle dimensioni di cm 5x10

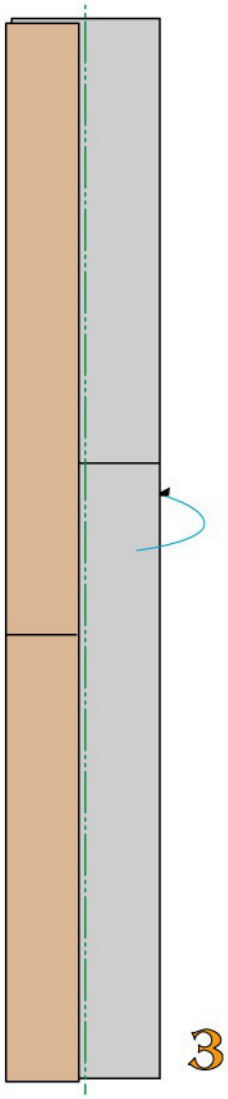
GAMBO



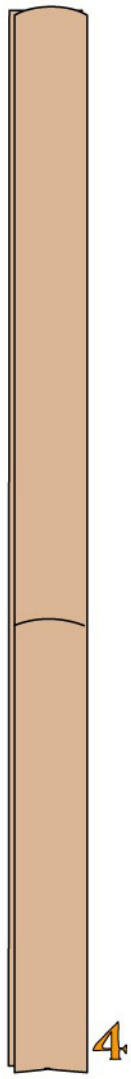
Sovrapponete parzialmente 2 fogli.
! piega a valle



1 piega a monte

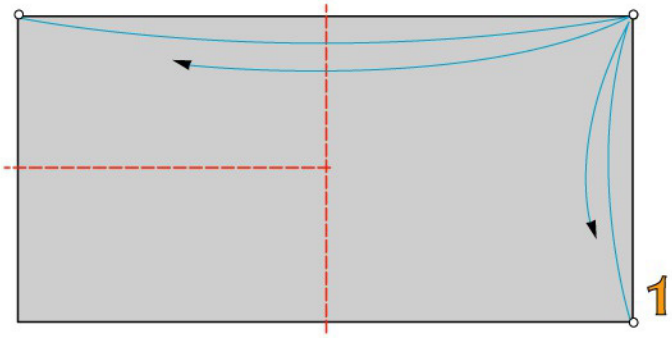


1 piega a monte

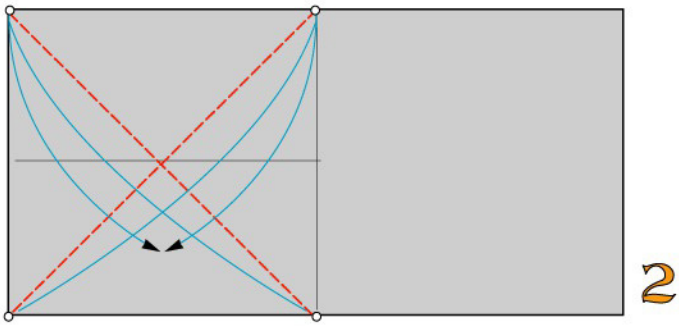


Gambo ultimato.
Arrotondate

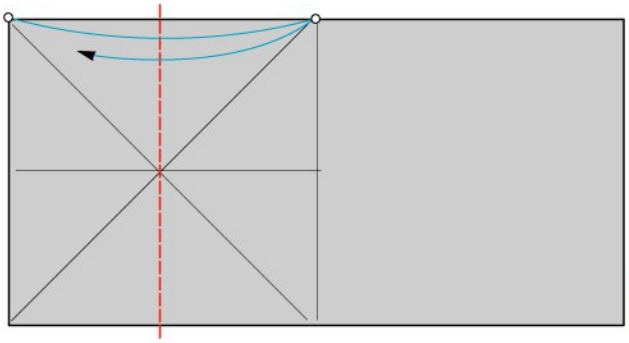
FOGLIA DESTRA



2 pieghe a valle



2 pieghe diagonali a valle



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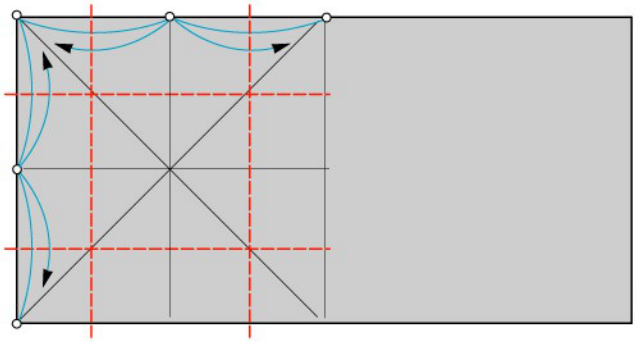
1 piega a valle



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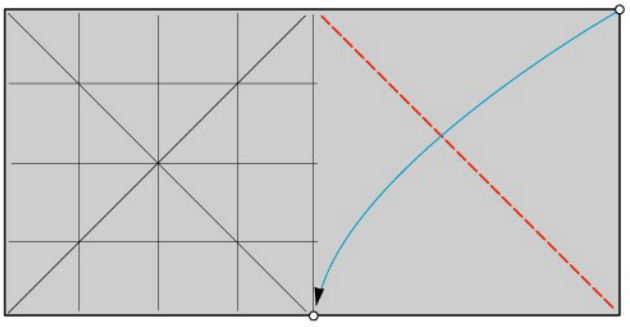
4 pieghe a valle



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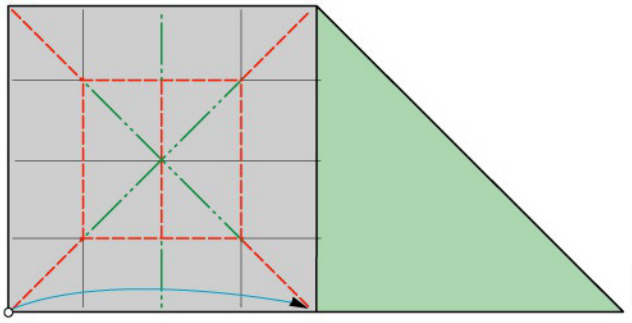
1 piega diagonale a valle



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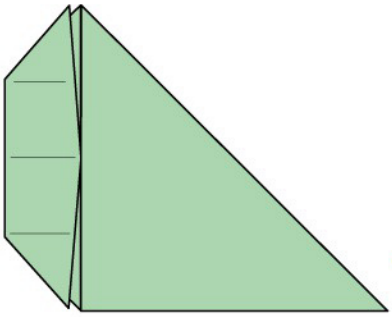
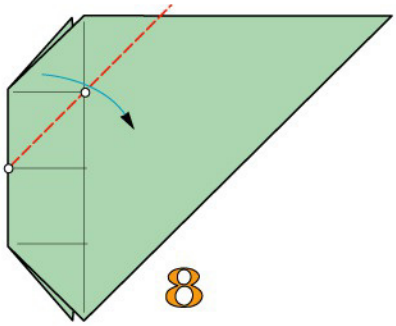
Ripiegate a valle e a monte



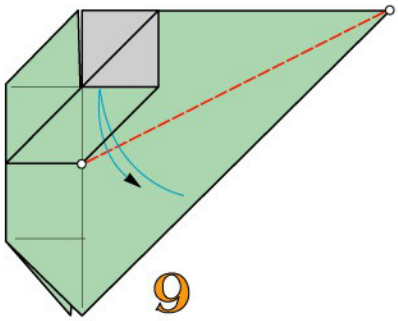
7

Ribaltate



8

1 piega diagonale a valle



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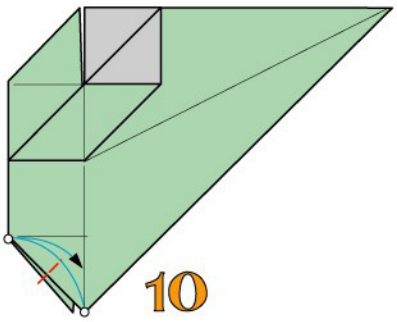
1 piega a valle



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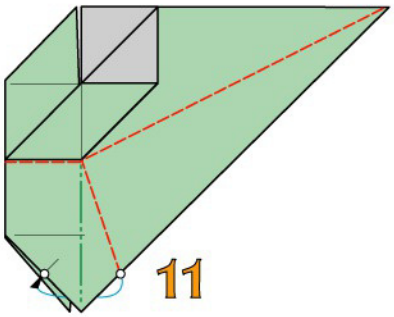
1 piega a valle



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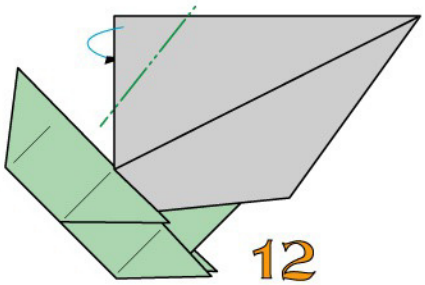
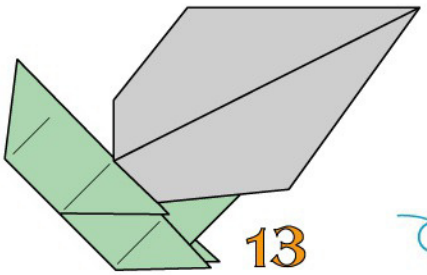
Ripiegate a valle e a monte

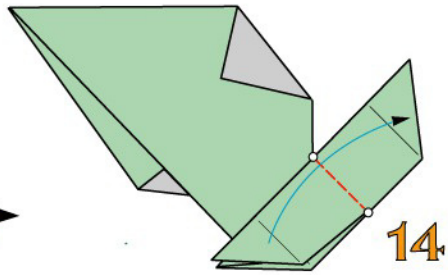


12

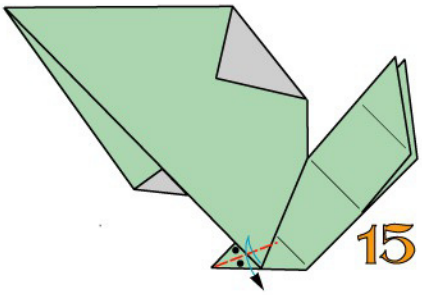
1 piega a monte



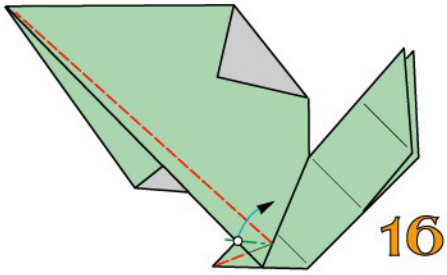
Ribaltate



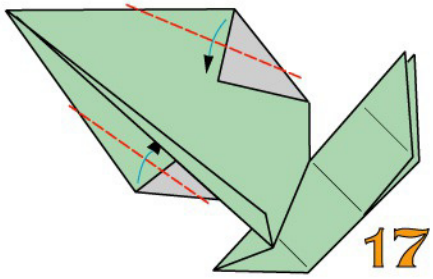
Ripiegate a valle



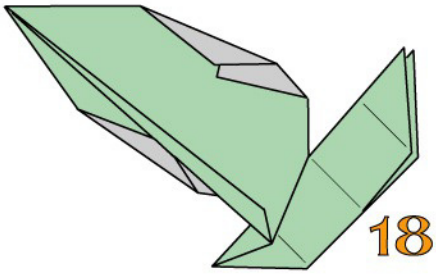
1 piega bisettrice a valle



1 piega a valle, 1 a monte e ripiegate a valle



2 pieghe a valle



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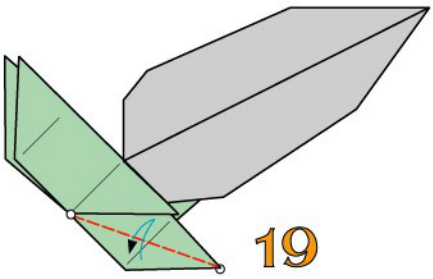
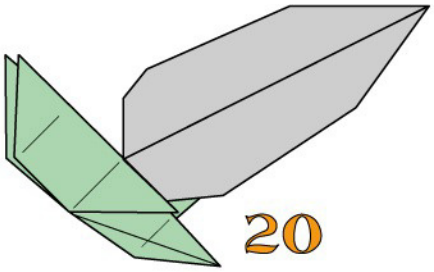
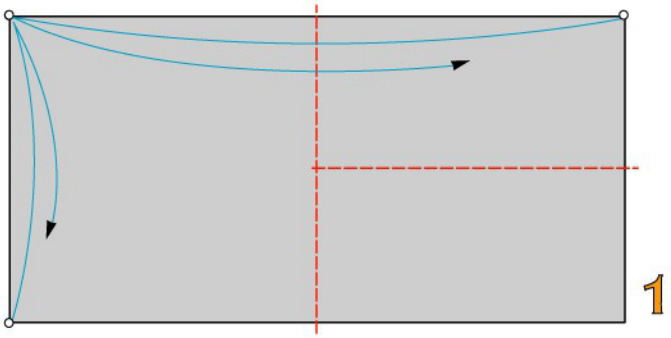


1 piega diagonale a valle

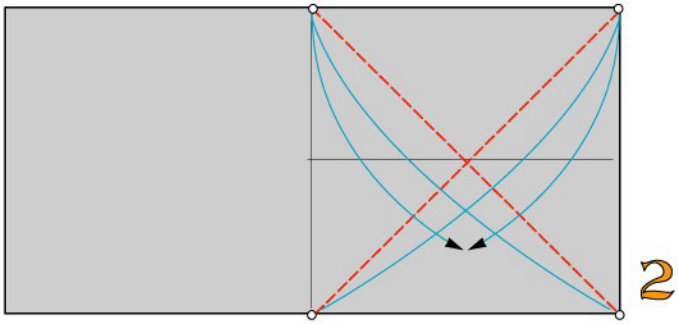


Foglia destra ultimata

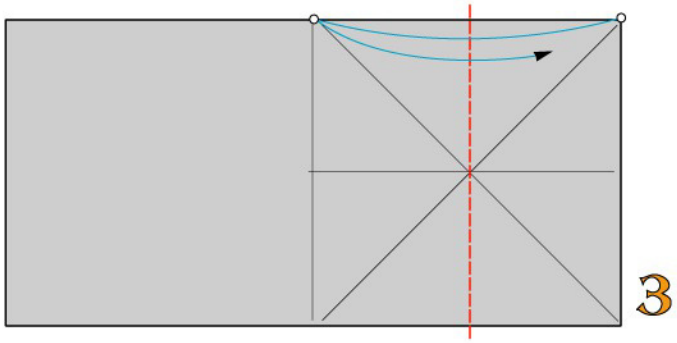
FOGLIA SINISTRA



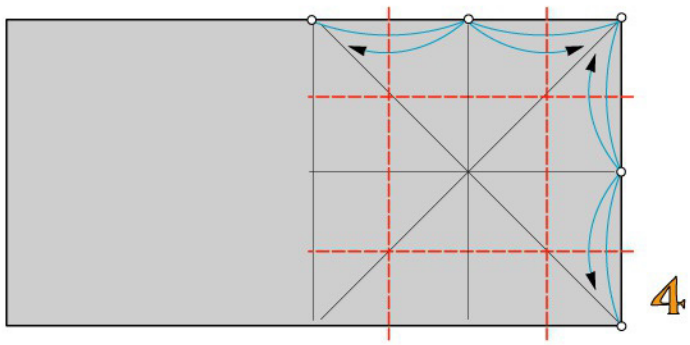
2 pieghe a valle



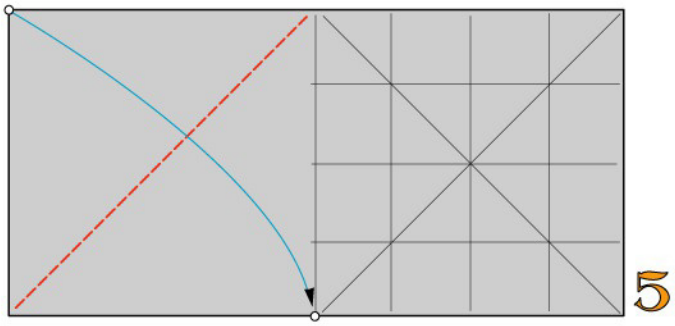
2 pieghe diagonali a valle



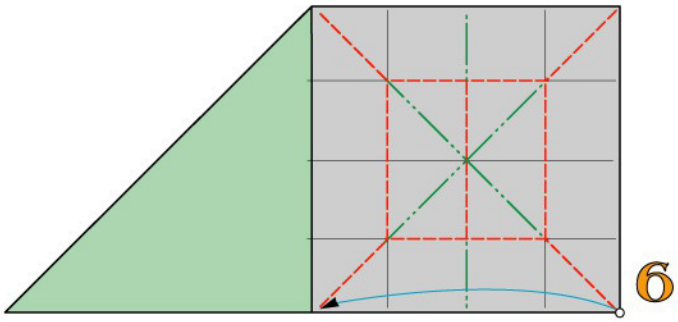
1 piega a valle



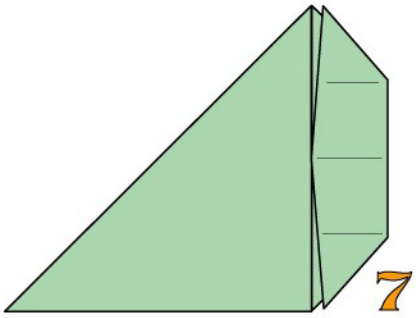
4 pieghe a valle



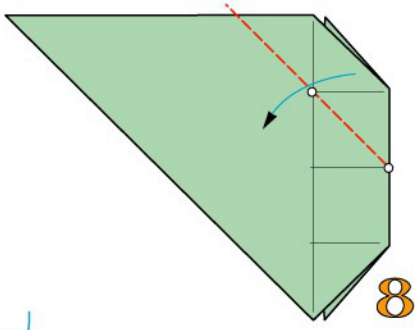
1 piega diagonale a valle



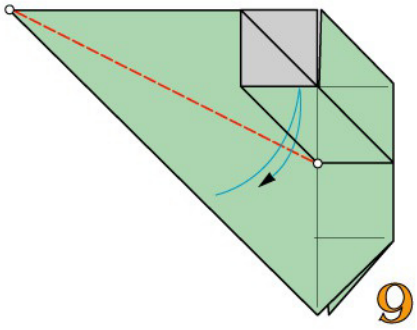
Ripiegate a valle e a monte



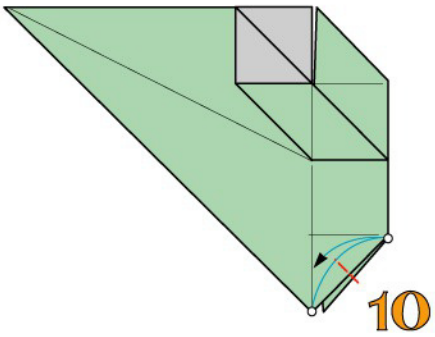
Ribaltate



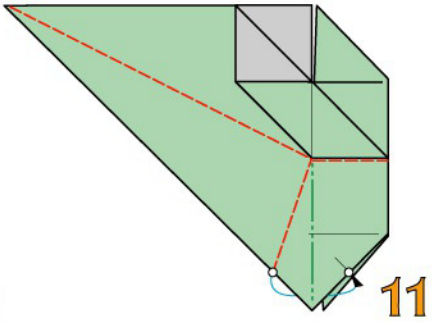
1 piega diagonale a valle



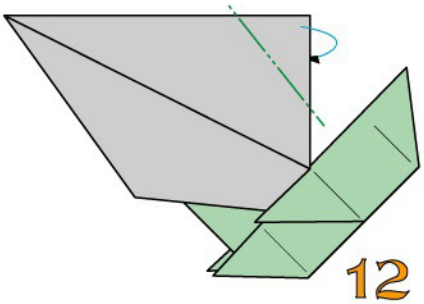
1 piega a valle



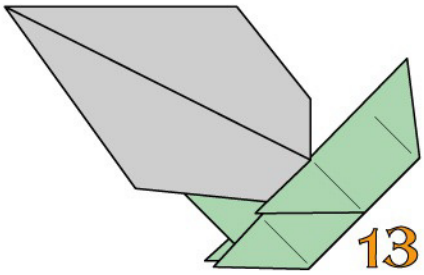
1 piega a valle



Ripiegate a valle e a monte



1 piega a monte



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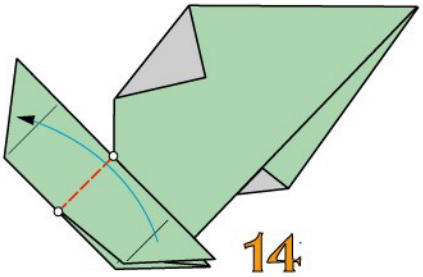
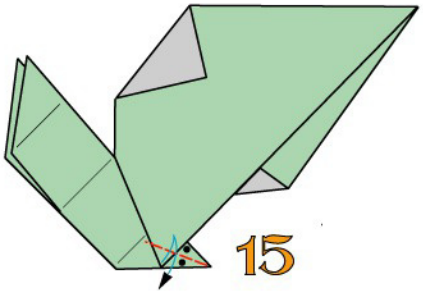
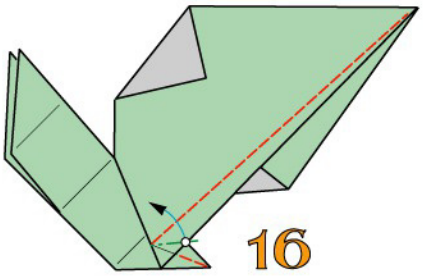


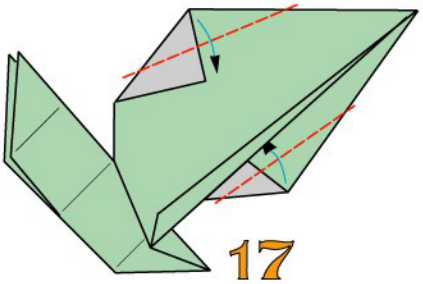
Ripiegate a valle



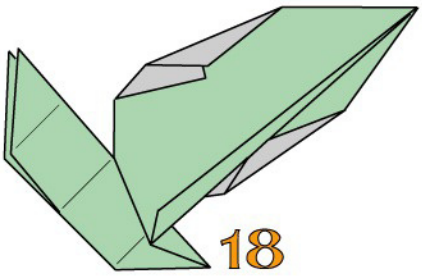
1 piega bisettrice a valle



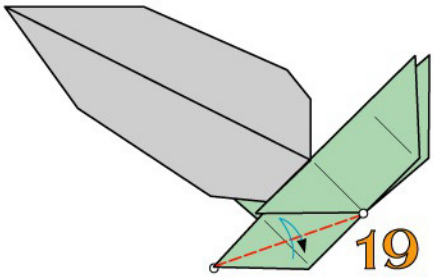
1 piega a valle, 1 a monte e ripiegate a valle



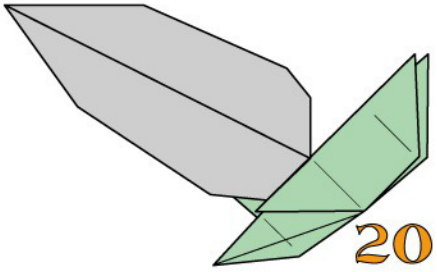
2 pieghe a valle



Ribaltate

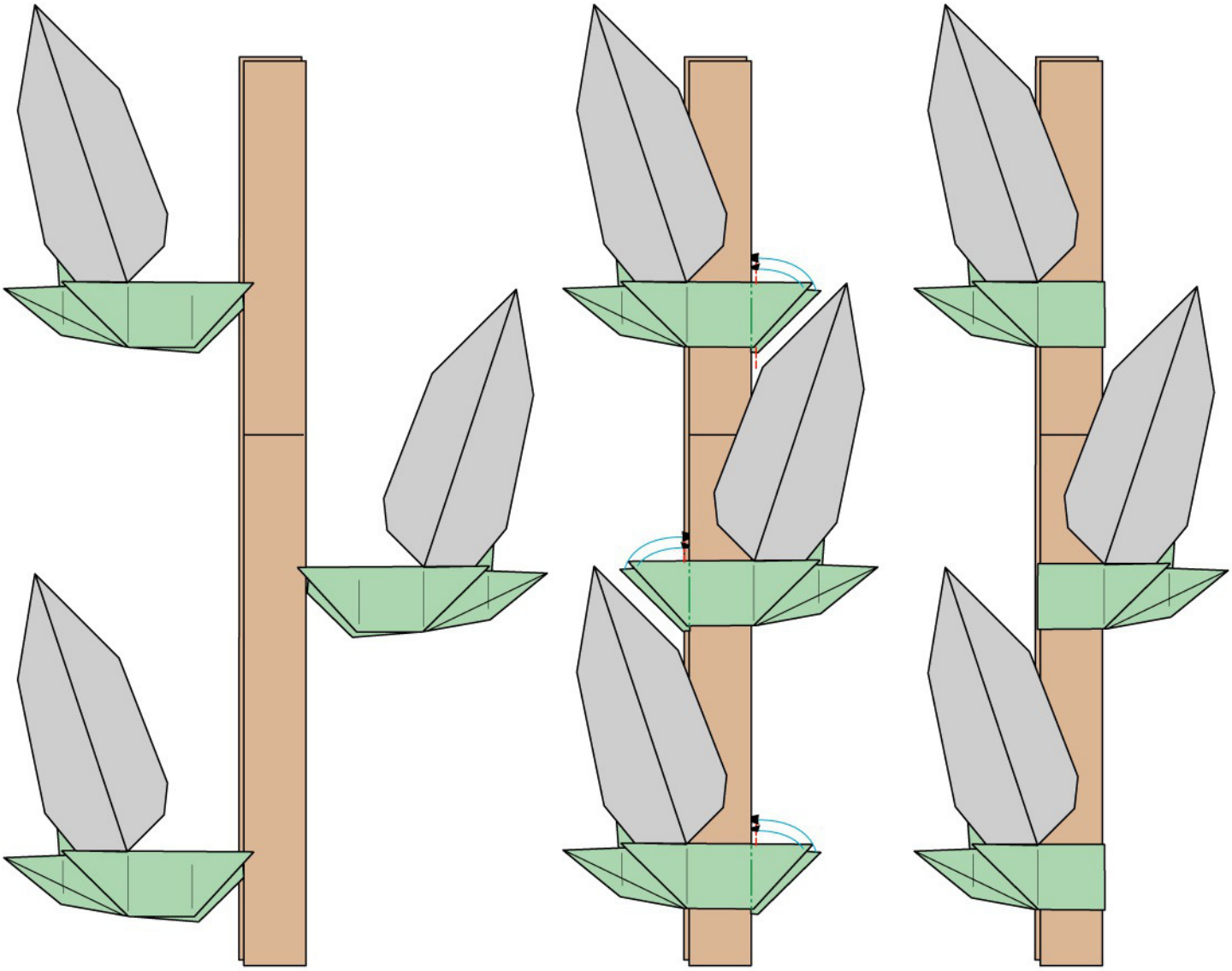


1 piega diagonale a valle



Foglia destra ultimata

UNIONE DELLE FOGLIE AL GAMBO



Sormontate le foglie sul gambo

Mediante pieghe a monte bloccate le foglie sul gambo

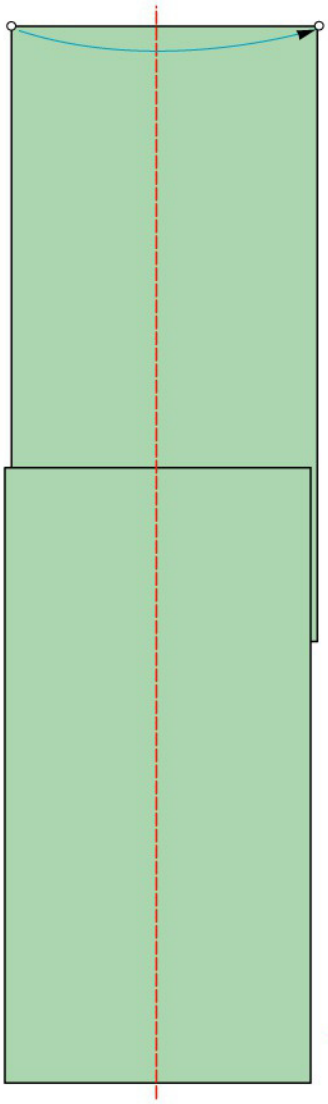
Foglie unite al gambo

GELSOMINO MODULARE

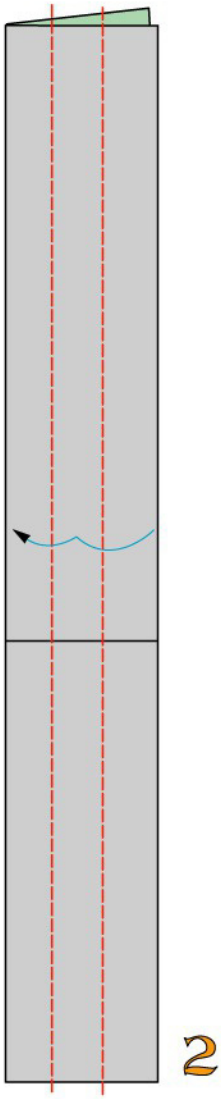
Franco Pavarin 24

Sono necessari 2 fogli monocolori per costruire il gambo, 5 fogli sempre monocolori per le foglie e 2 per i fiori.
Adoperate carta di medio peso delle dimensioni di cm 5x10

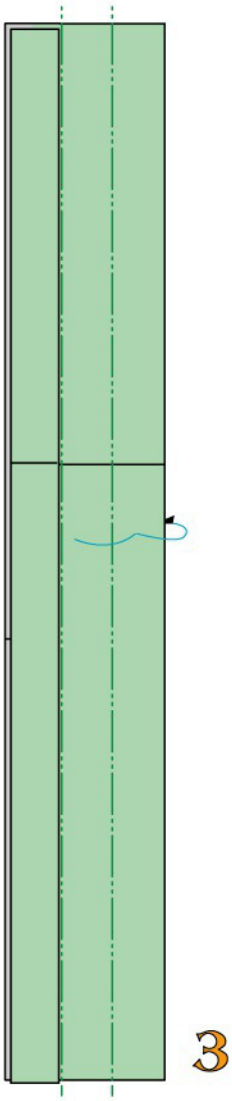
GAMBO



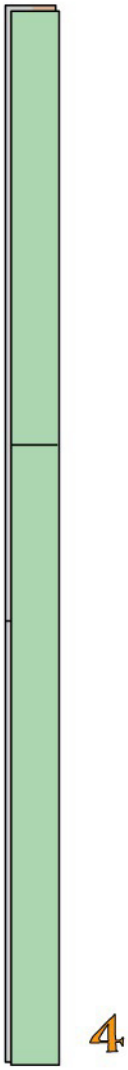
Sovrapponete parzialmente 2 fogli.
! piega a valle



2 pieghe a valle

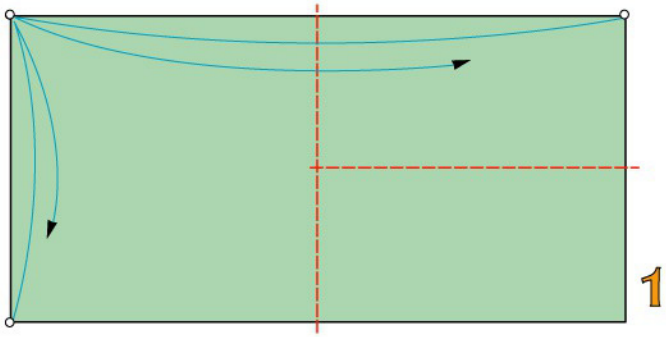


2 pieghe a monte

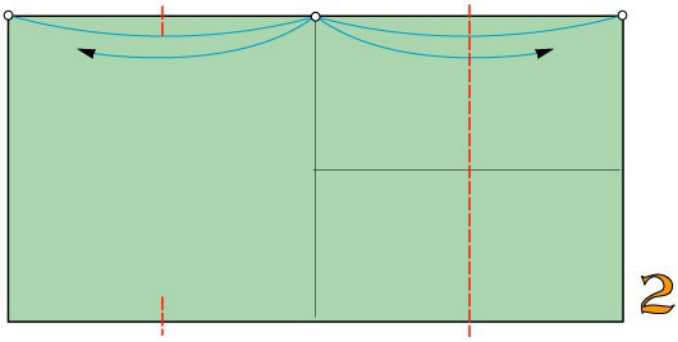


Gambo ultimato

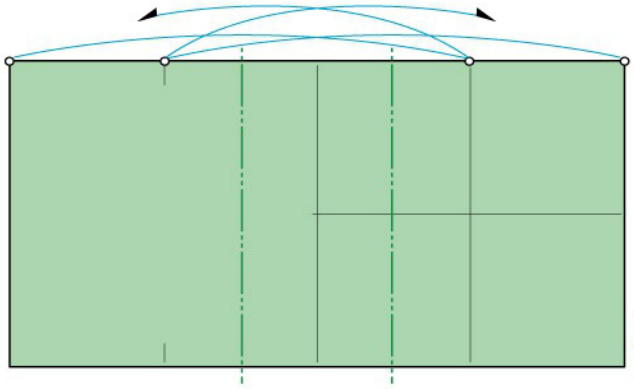
FOGLIA SINISTRA



2 pieghe a valle

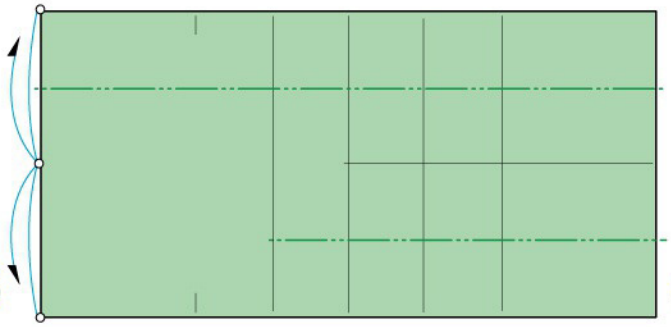


3 pieghe a valle



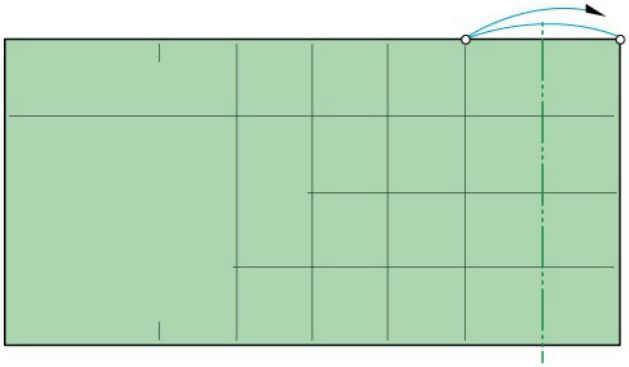
3

2 pieghe a monte



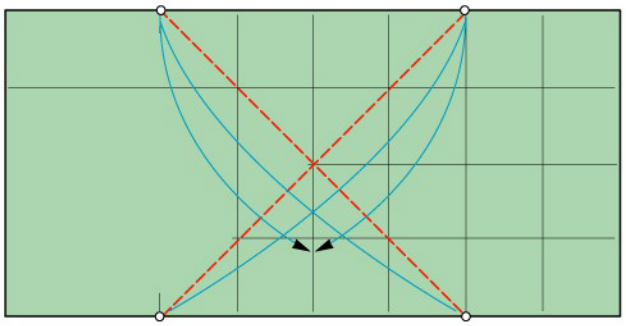
4

2 pieghe a monte



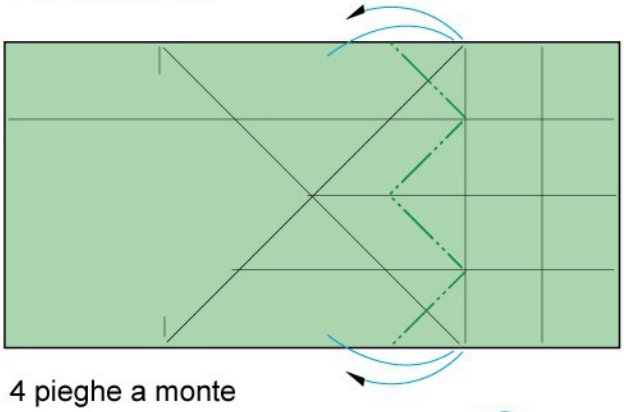
5

1 piega a monte



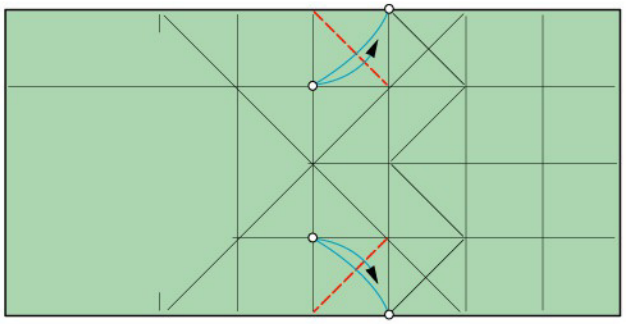
6

2 pieghe diagonali a valle



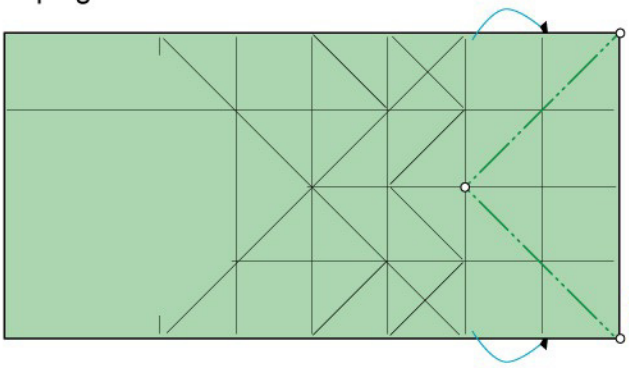
7

4 pieghe a monte



8

2 pieghe diagonali a valle



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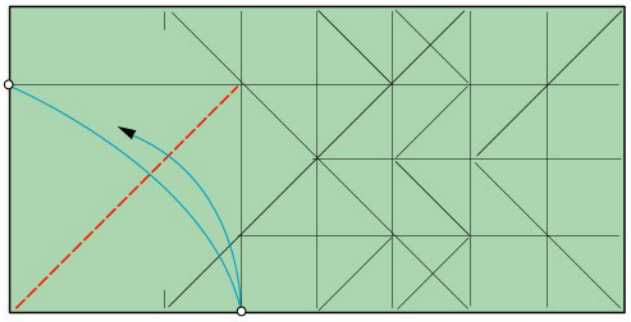
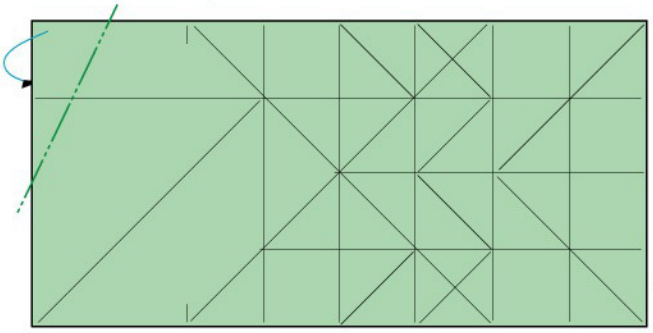
2 pieghe diagonali a monte



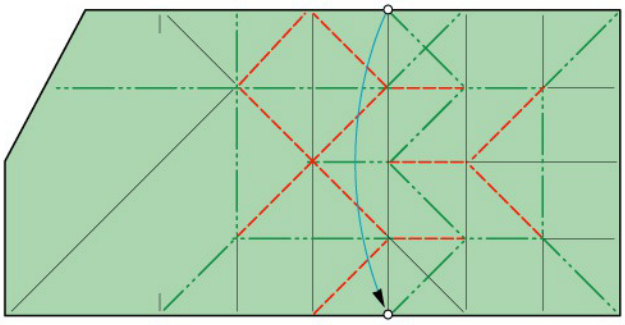
10

1 piega diagonale a valle



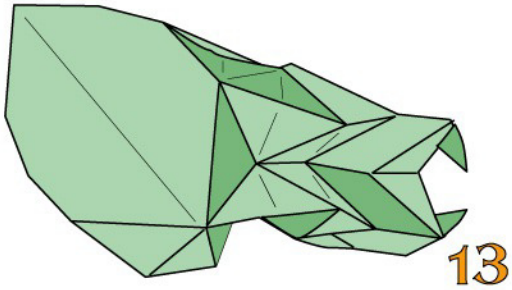
11

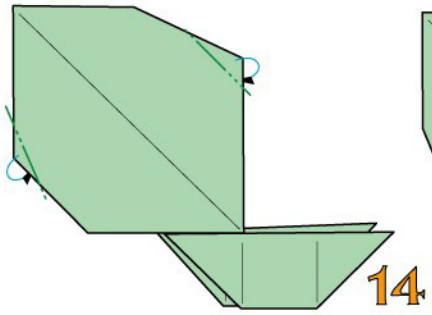
1 piega a monte



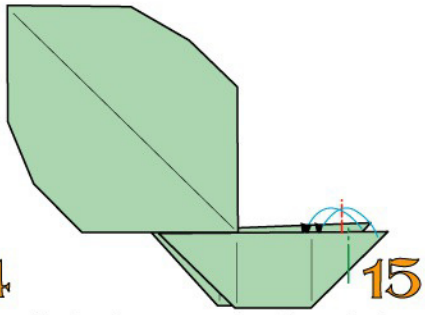
12

Ripiegate a valle e a monte

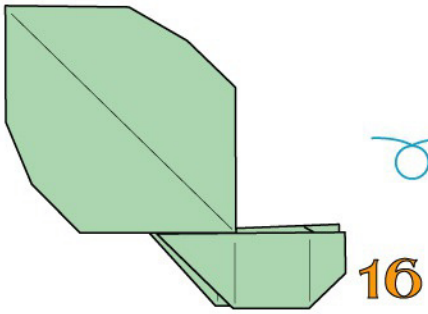




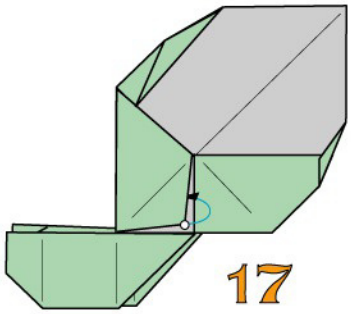
2 pieghe a monte



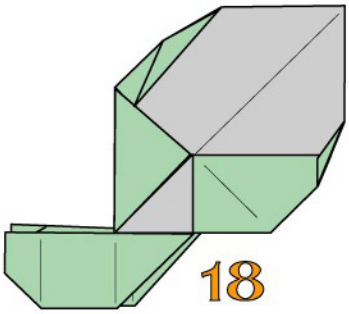
2 pieghe a monte, 1 per lato



Ribaltate

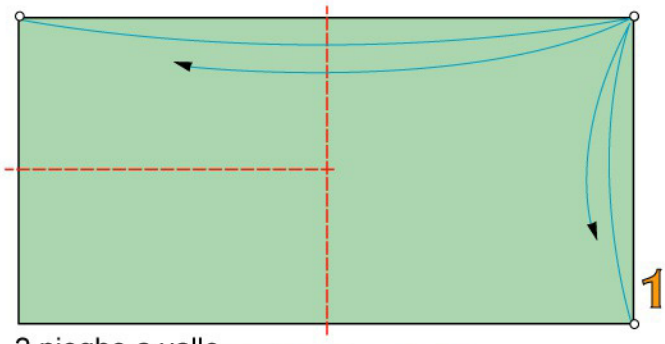


Inserite il vertice nella tasca più interna

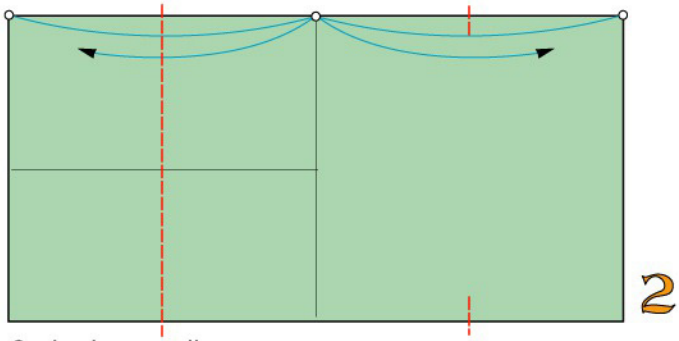


Foglia sinistra ultimata

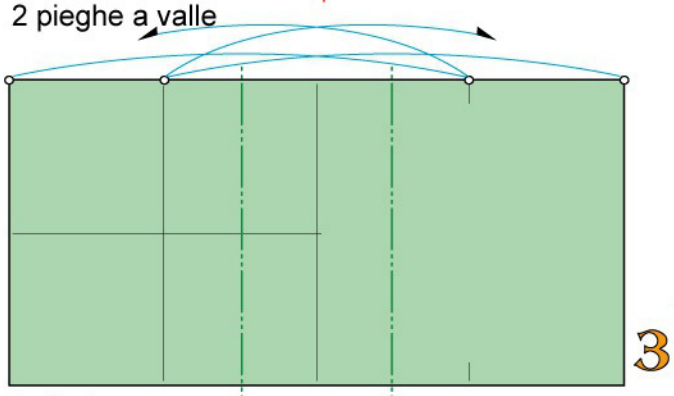
FOGLIA DESTRA



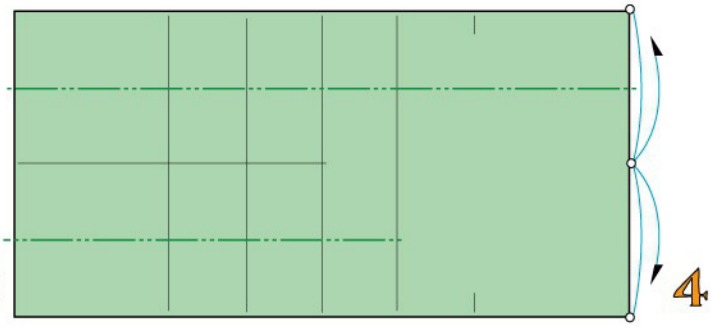
2 pieghe a valle



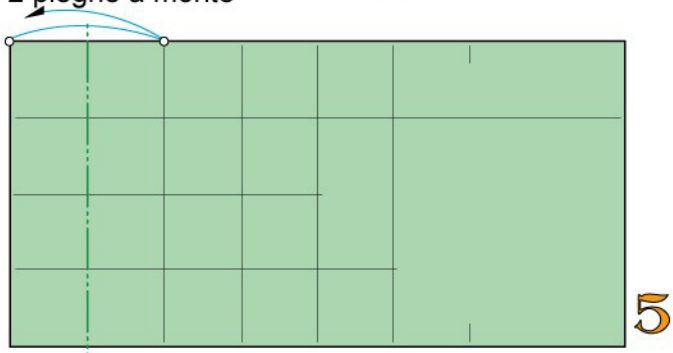
3 pieghe a valle



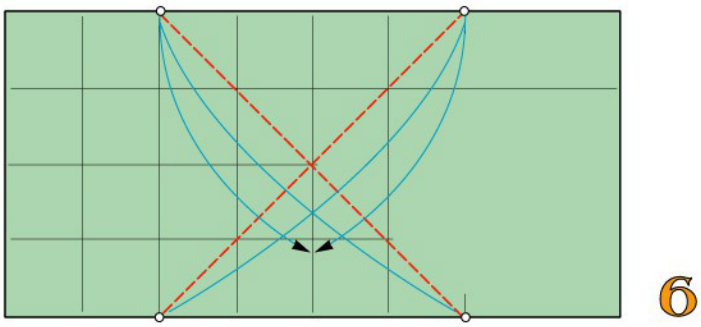
2 pieghe a monte



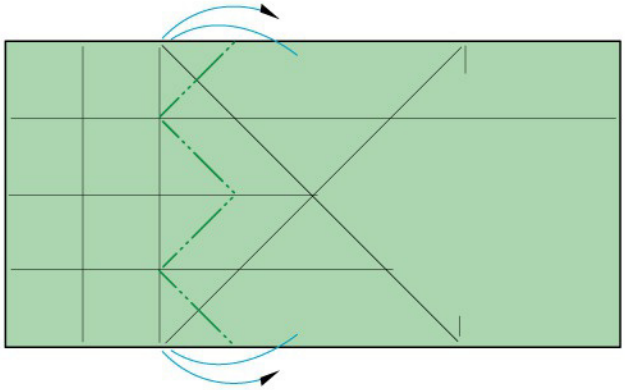
2 pieghe a monte



1 piega a monte

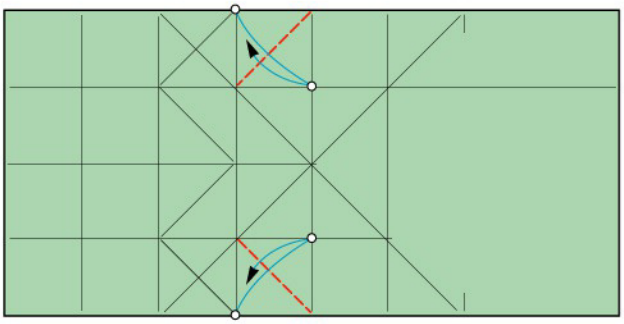


2 pieghe diagonali a valle



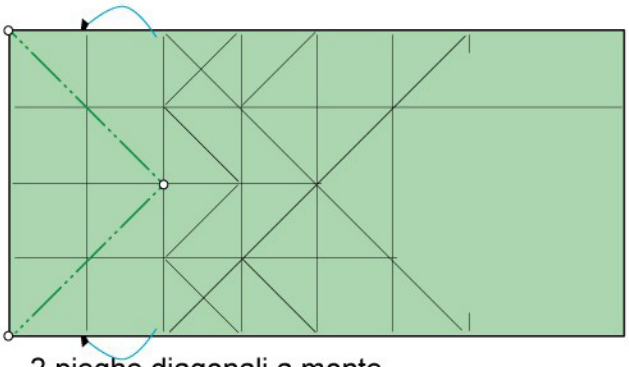
7

4 pieghe a monte



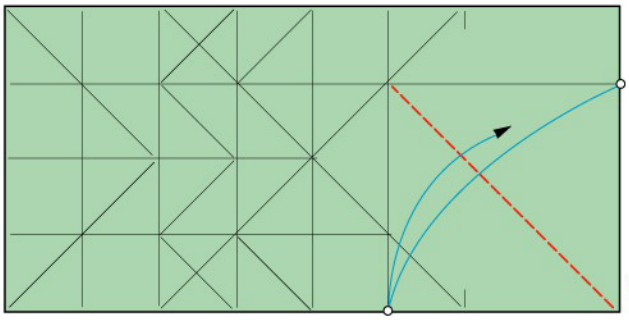
8

2 pieghe diagonali a valle



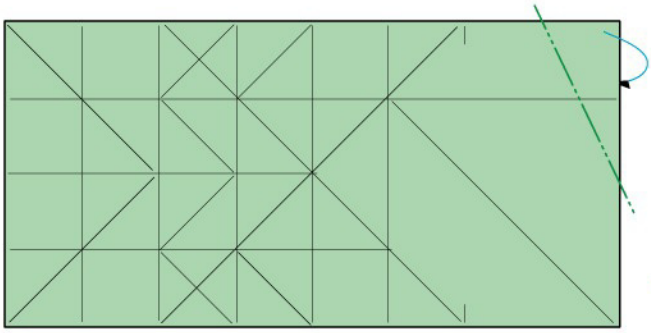
9

2 pieghe diagonali a monte



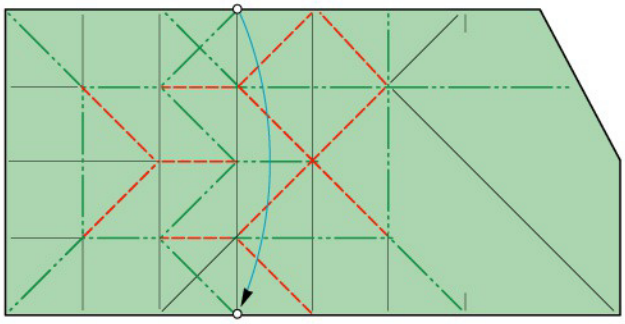
10

1 piega diagonale a valle



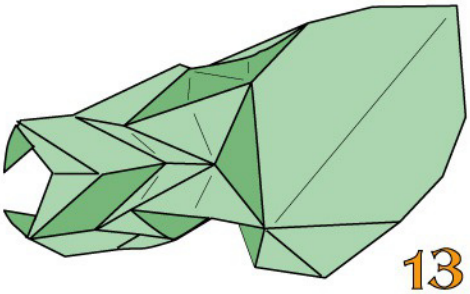
11

1 piega a monte



12

Ripiegate a valle e a monte



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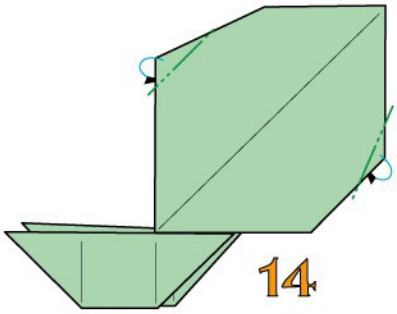
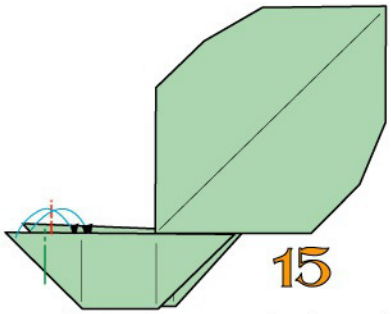


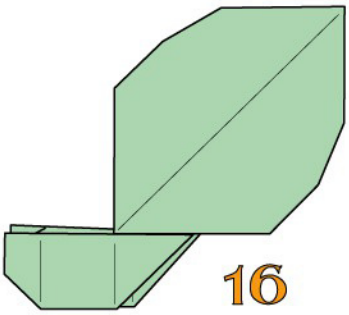
14

2 pieghe a monte



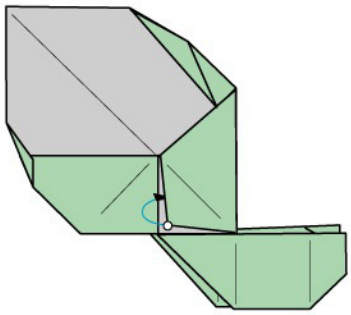
15

2 pieghe a monte, 1 per lato



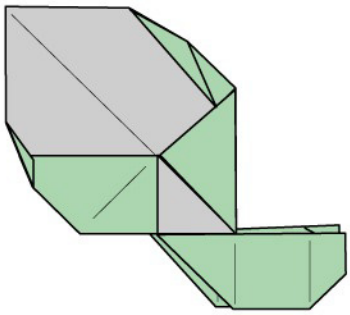
16

Ribaltate



17

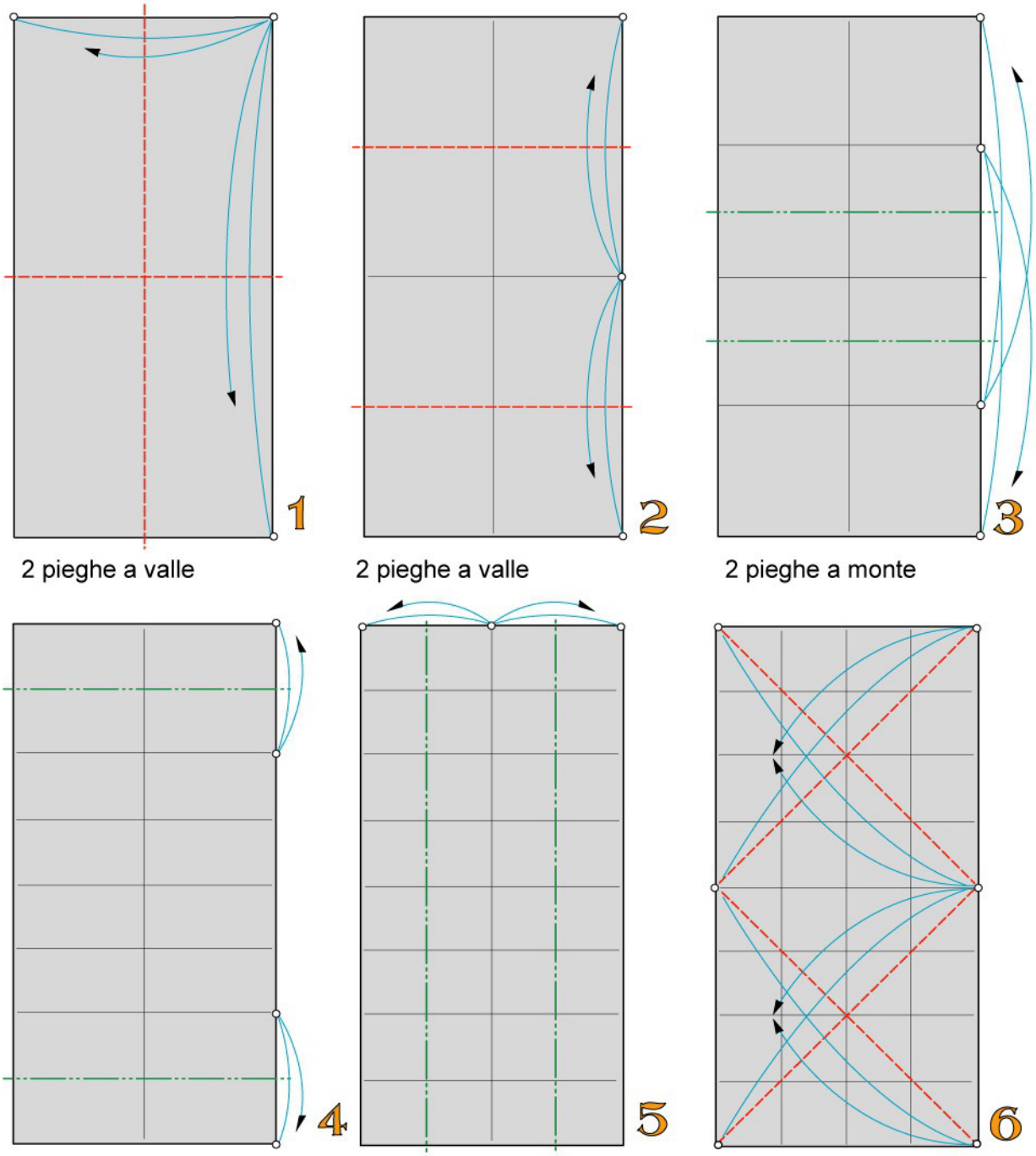
Inserite il vertice nella tasca più interna

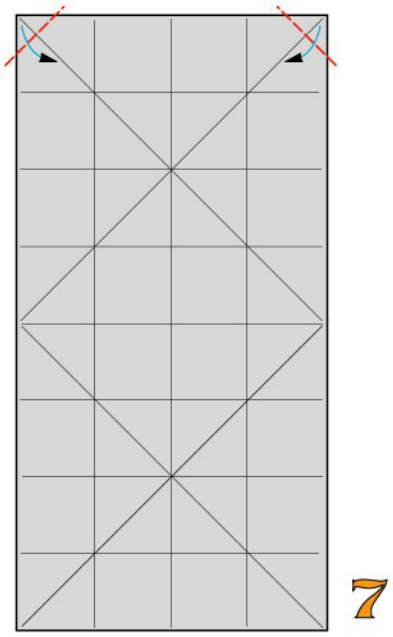


18

Foglia sinistra ultimata

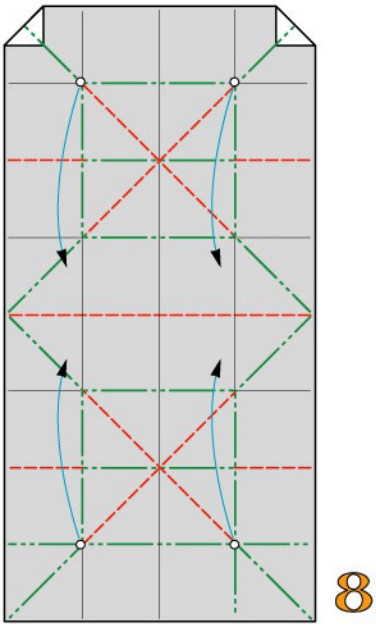
FIORE


1
2 pieghe a valle
2
2 pieghe a valle
3
2 pieghe a monte
4
2 pieghe a monte
5
2 pieghe a monte
6
4 pieghe diagonali a valle



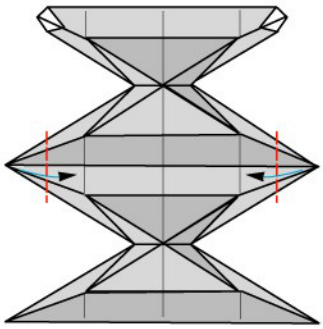
7

2 pieghe a valle



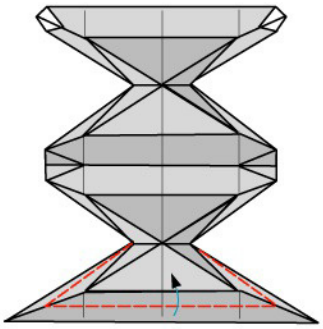
8

Ripiegate a valle e a monte



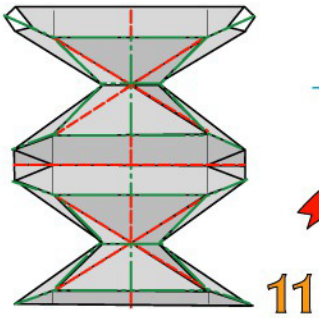
9

2 pieghe a valle



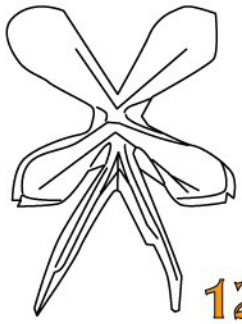
10

1 piega rovescia esterna



11

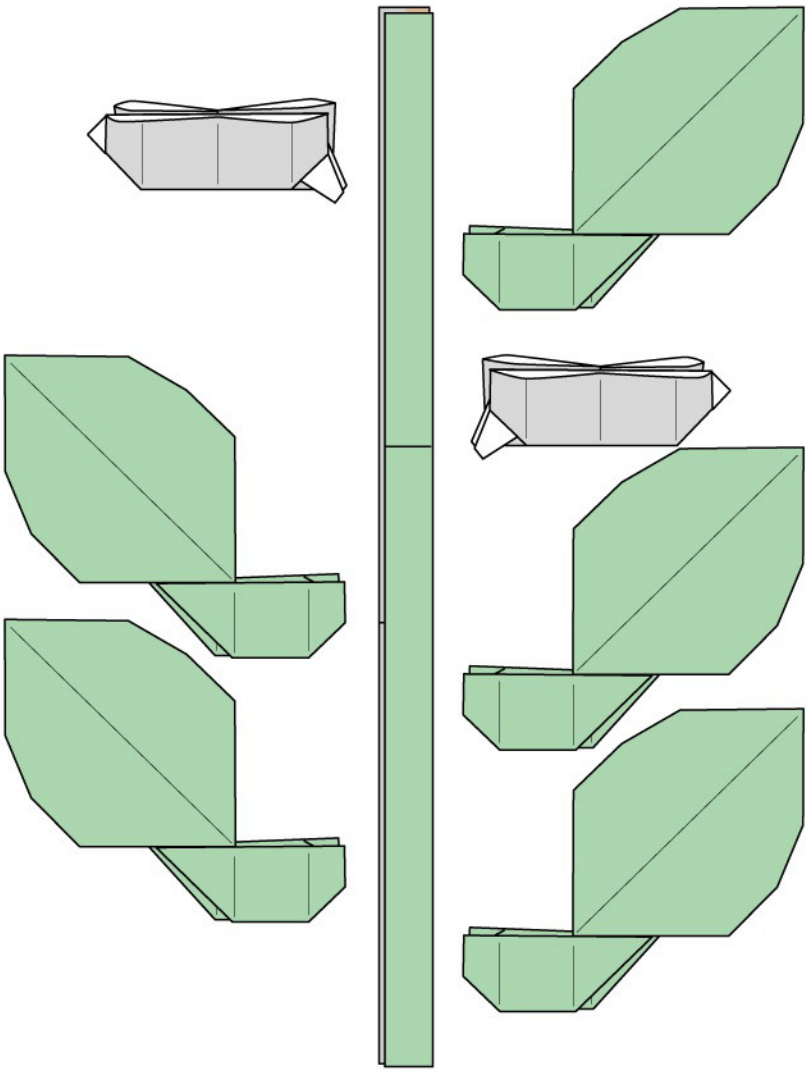
Ripiegate a valle e
a monte e ribaltate



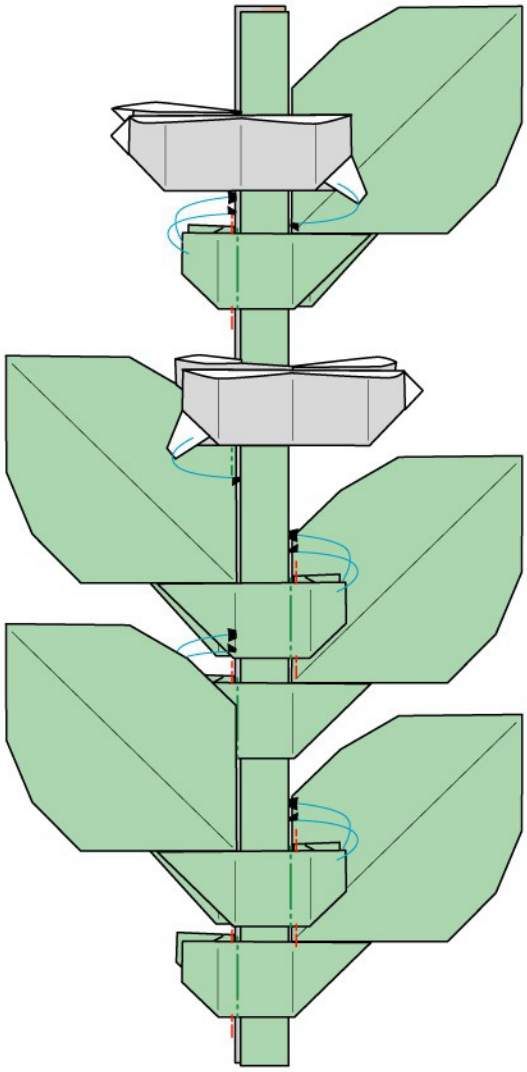
12

Fiore ultimato

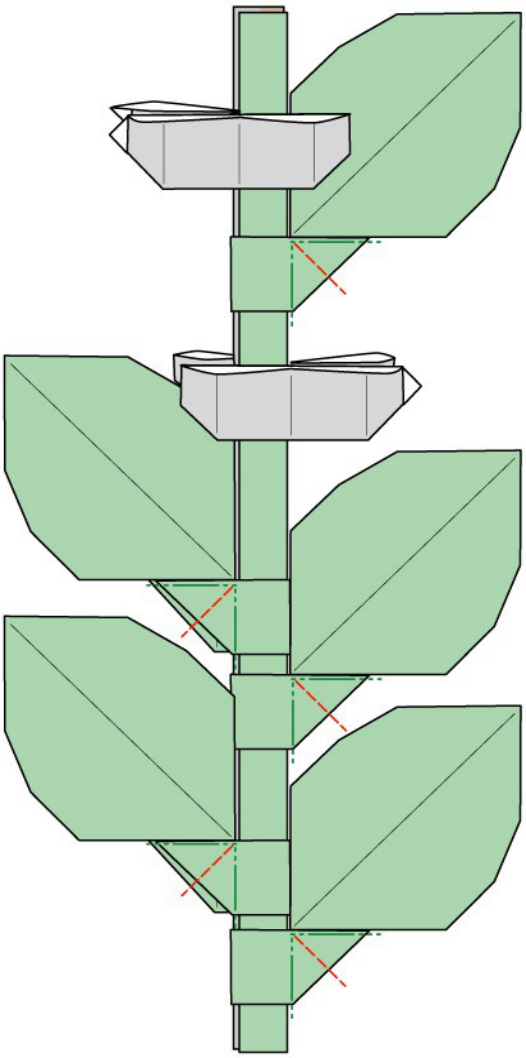
UNIONE DELLE FOGLIE E DEI FIORI AL GAMBO



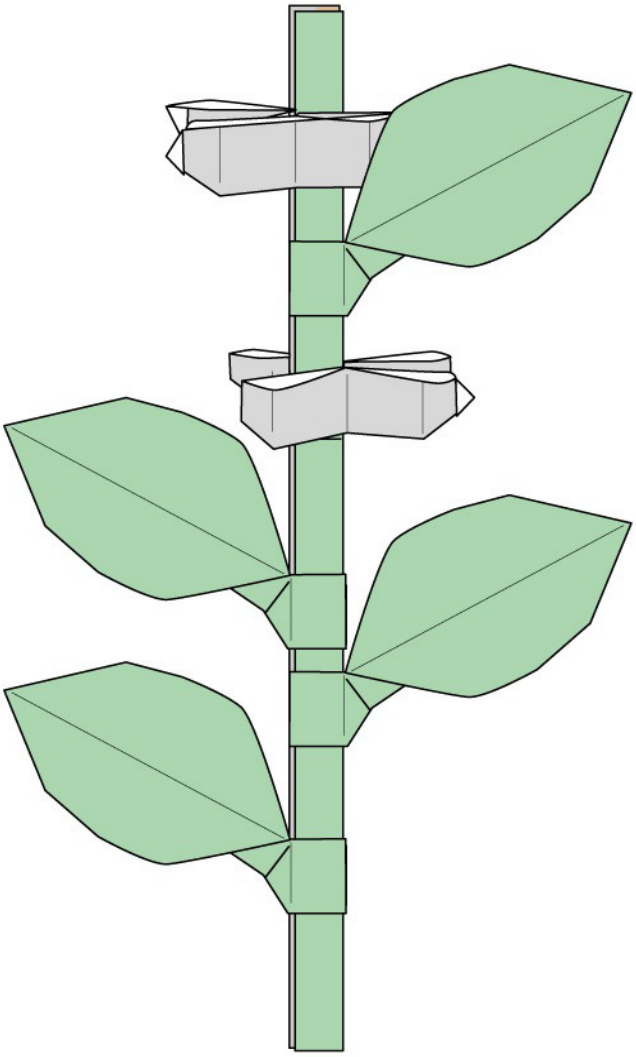
Sormontate le foglie e i fiori sul gambo



Mediante pieghe a monte bloccate
le foglie e i fiori sul gambo



1 piega a valle e 1 a monte per ogni foglia.
Modellate arrotondndo foglie e fiori

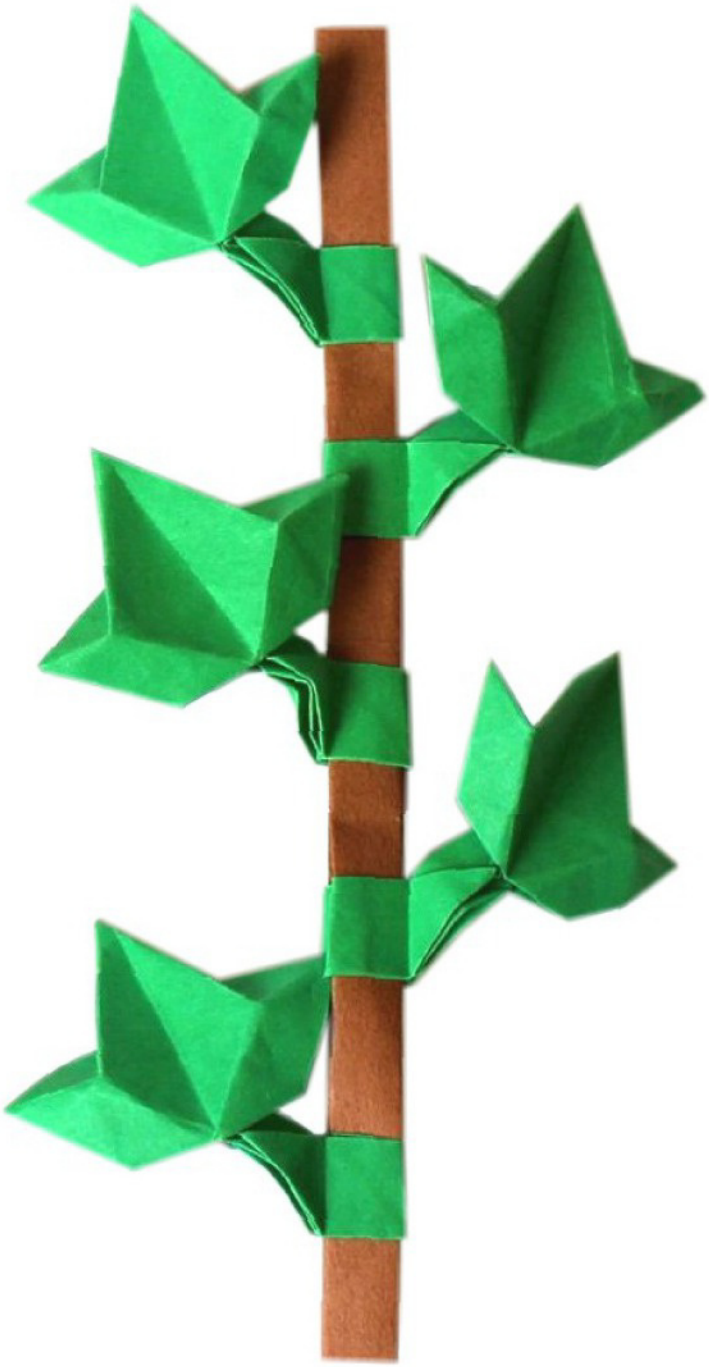


Foglie e fiori uniti al gambo

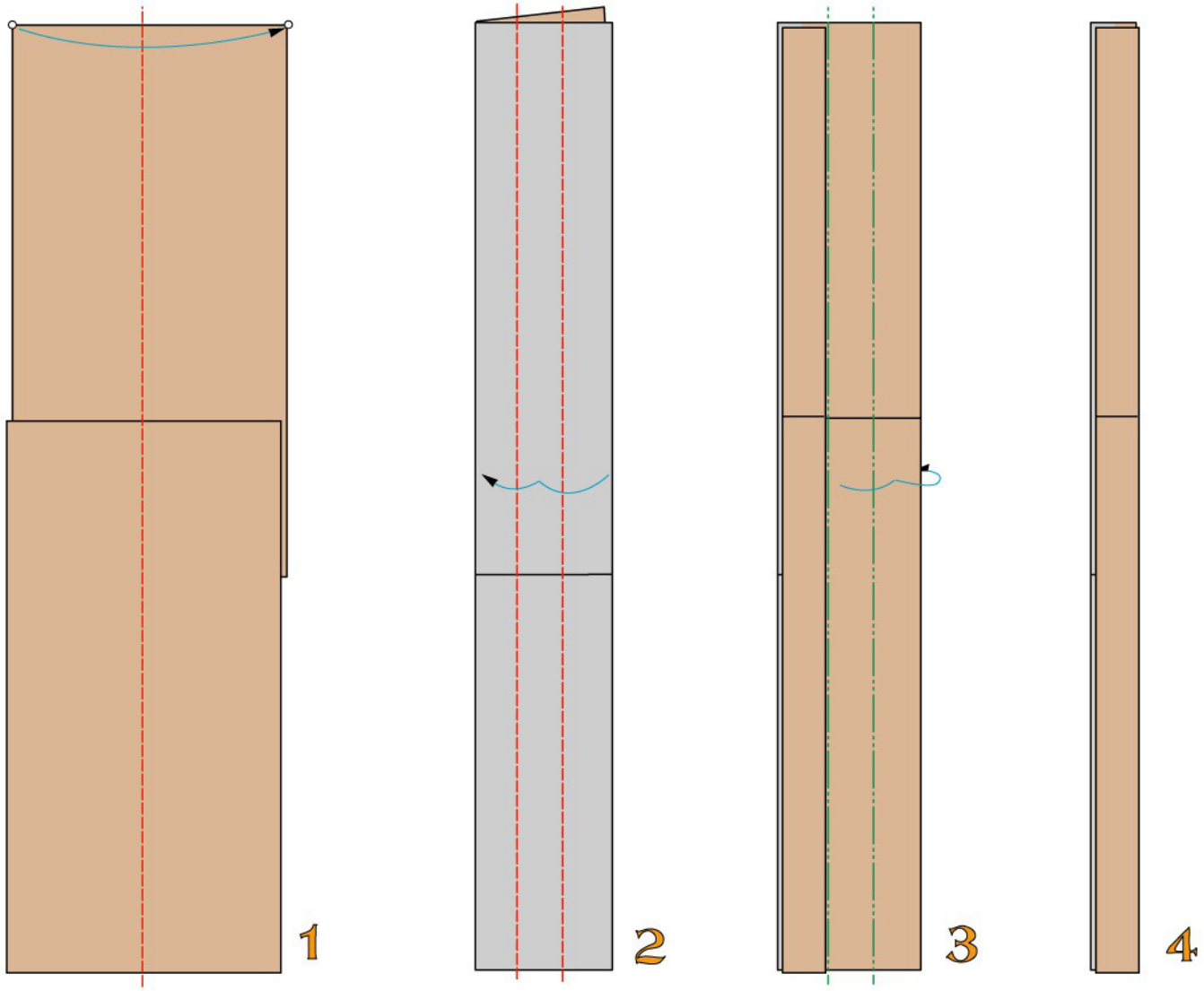
EDERA MODULARE

Franco Pavarin 24

Sono necessari 2 fogli monocolori per costruire il gambo e 5 fogli sempre monocolori per le foglie. Adoperate carta di medio peso delle dimensioni di cm 5x10



GAMBO



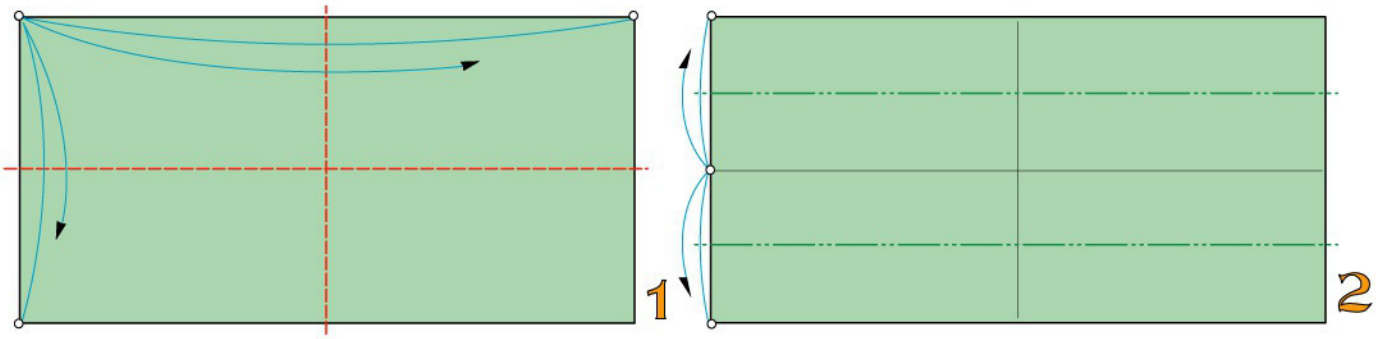
Sovrapponete parzialmente 2 fogli.
! piega a valle

2 pieghe a valle

2 pieghe a monte

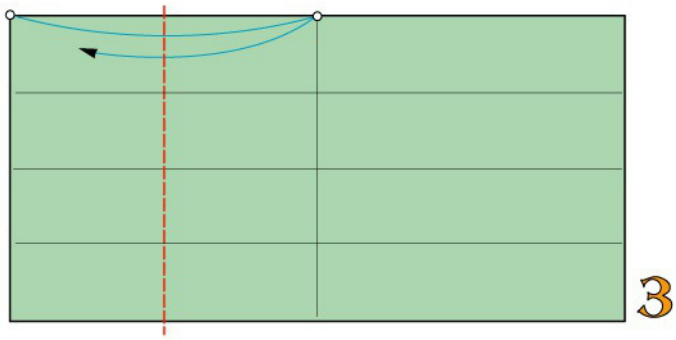
Gambo ultimato

FOGLIA DESTRA

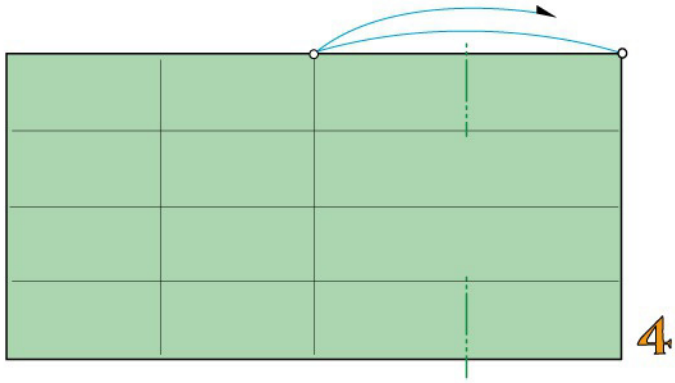


2 pieghe a valle

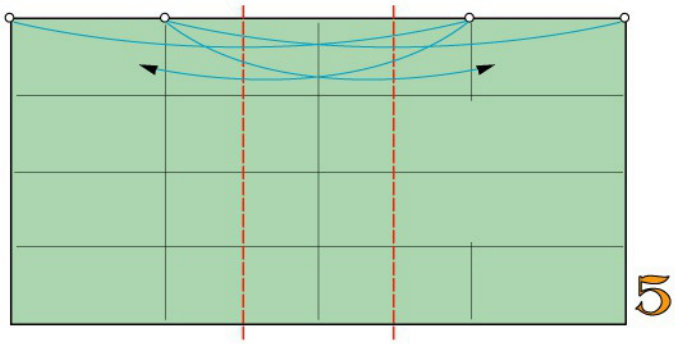
2 pieghe a monte



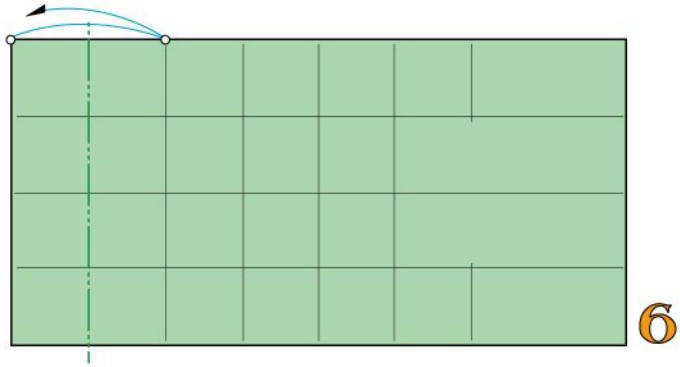
1 piega a valle



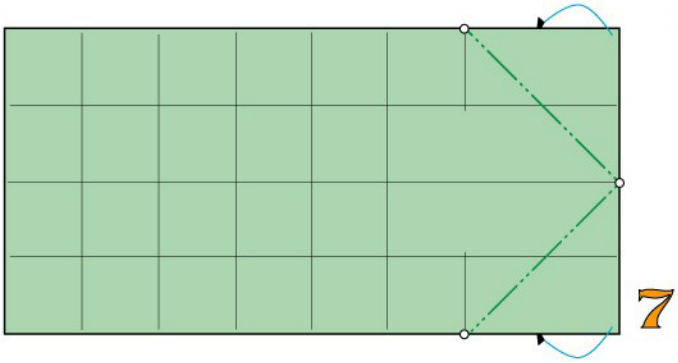
2 pieghe a monte



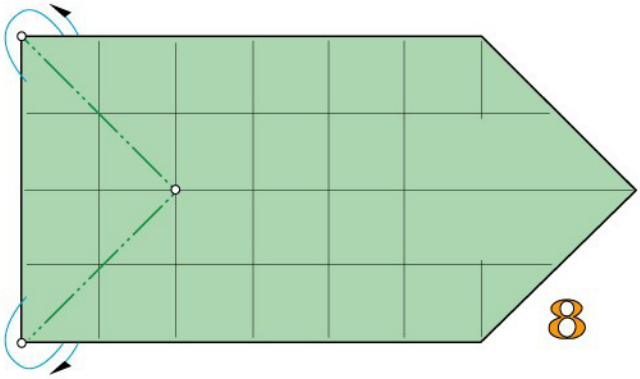
2 pieghe a valle



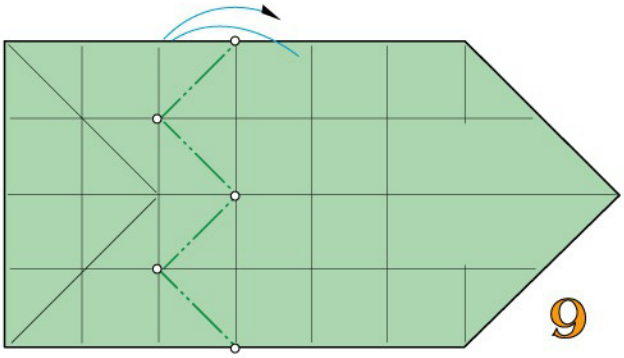
1 piega a monte



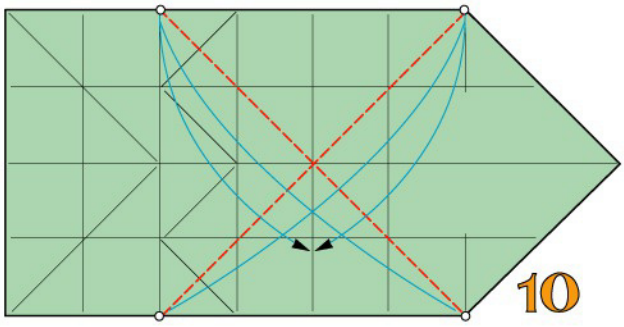
2 pieghe diagonali a monte



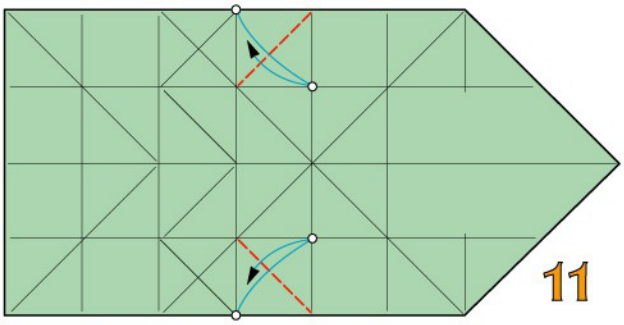
2 pieghe diagonali a monte



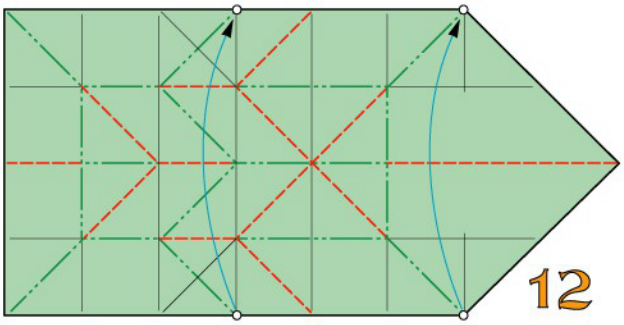
4 pieghe diagonali a monte



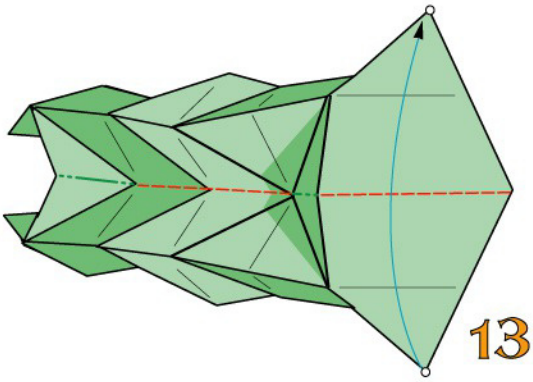
2 pieghe diagonali a valle

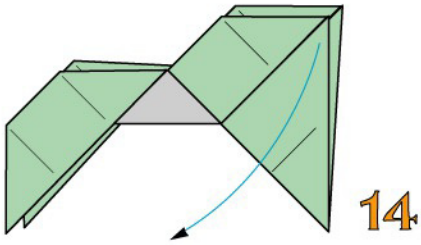


2 pieghe diagonali a valòle

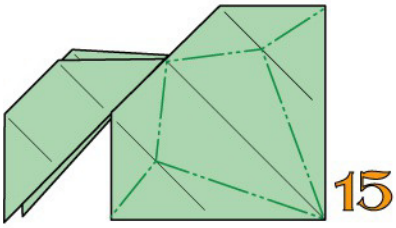


Ripiegate a valle e a monte

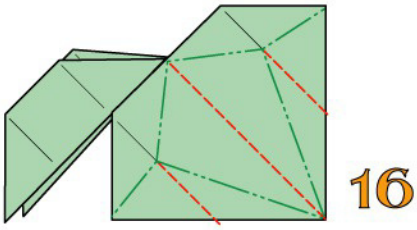




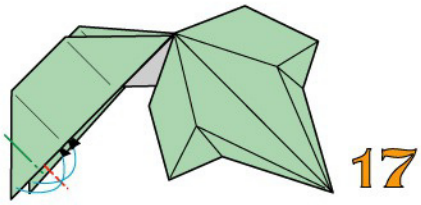
Aprite



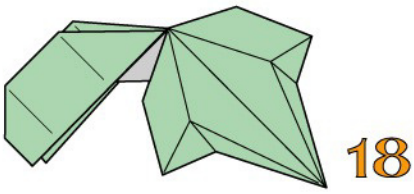
6 pieghe a monte



Ripiegate a valle e a monte modellando 3D

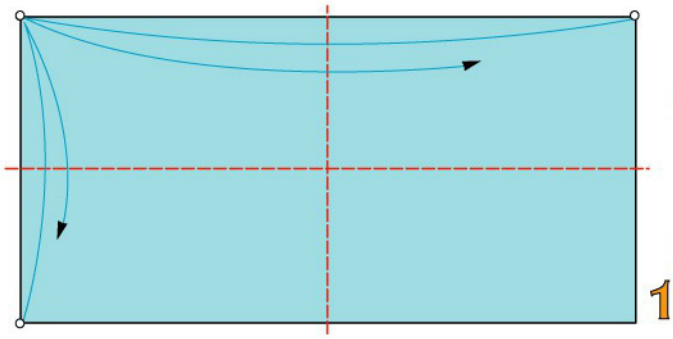


2 pieghe a monte

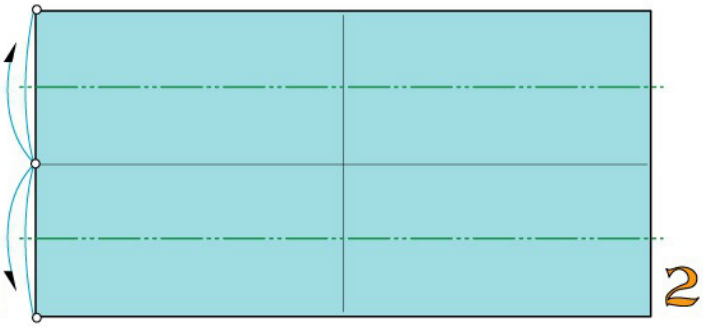


Foglia destra ultimata

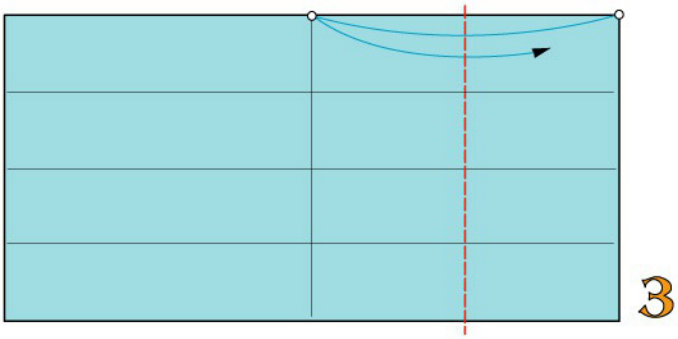
FOGLIA SINISTRA



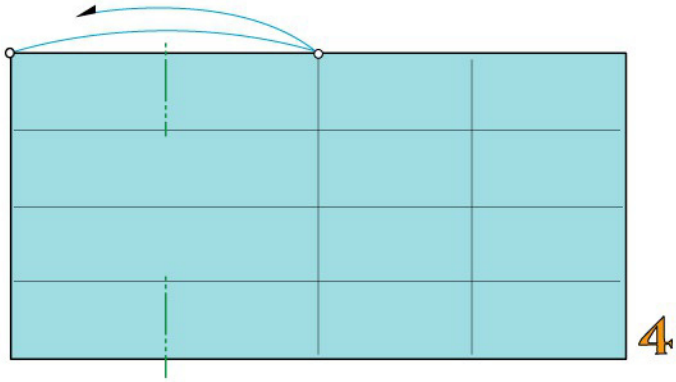
2 pieghe a valle



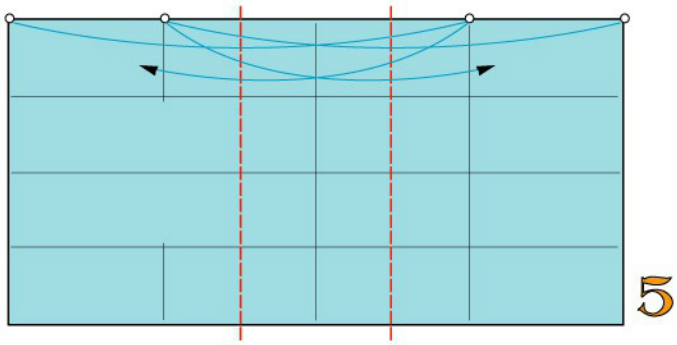
2 pieghe a monte



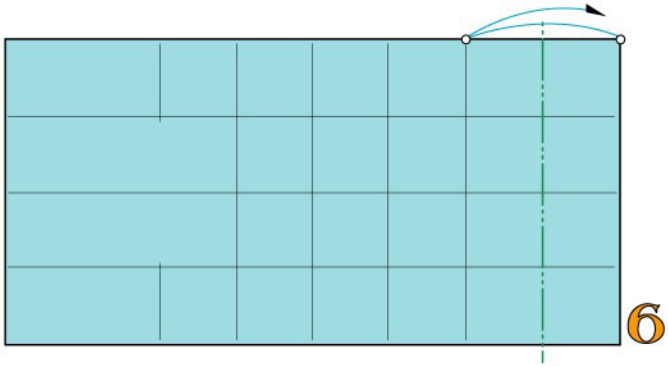
1 piega a valle



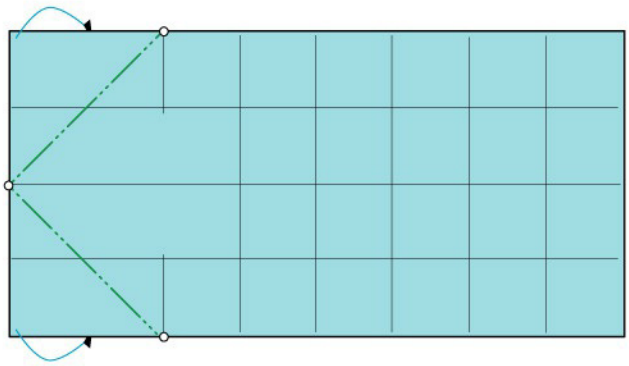
2 pieghe a monte



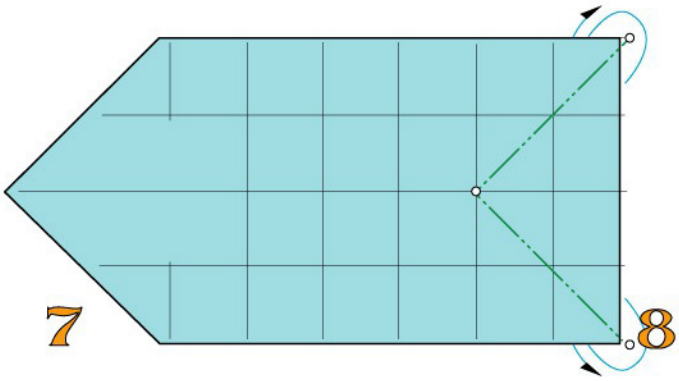
2 pieghe a valle



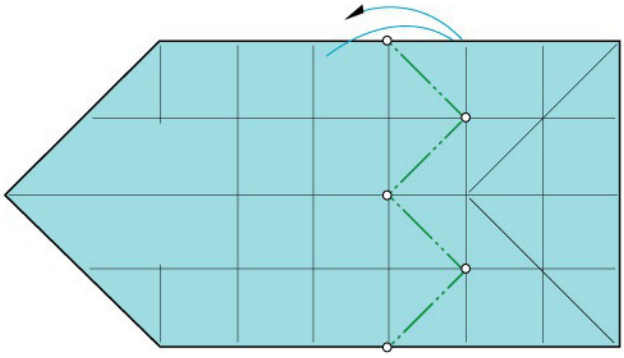
1 piega a monte



2 pieghe diagonali a monte

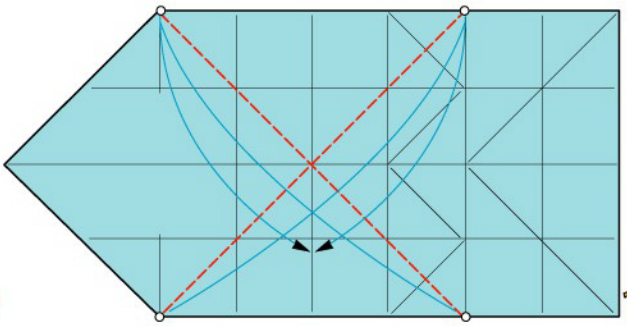


2 pieghe diagonali a monte



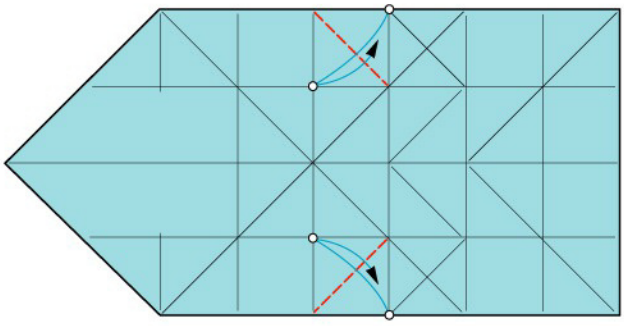
9

4 pieghe diagonali a monte



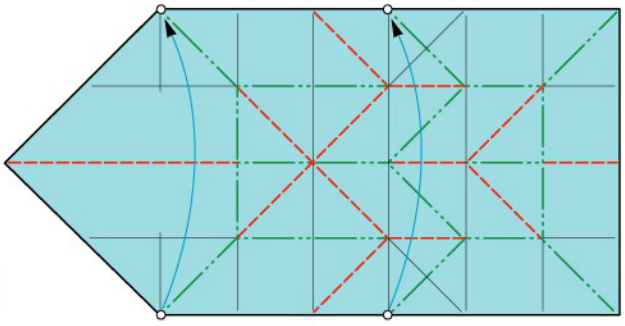
10

2 pieghe diagonali a valle



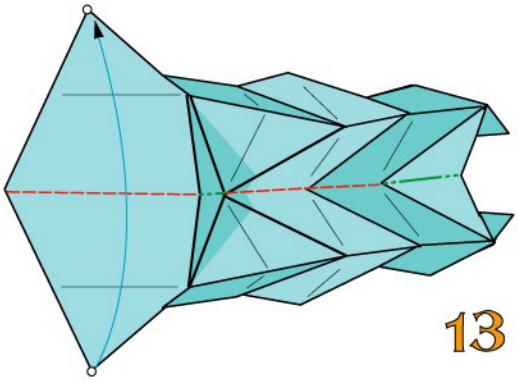
11

2 pieghe diagonali a valòle



12

Ripiegate a valle e a monte



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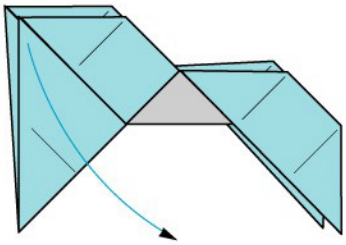
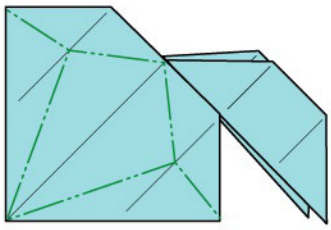


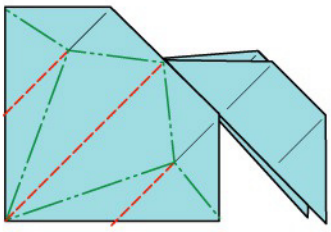
14

Aprite



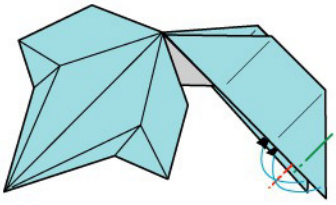
15

6 pieghe a monte



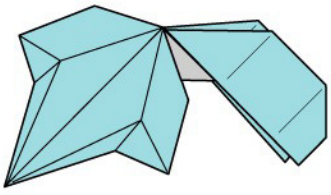
16

Ripiegate a valle e a monte modellando 3D



17

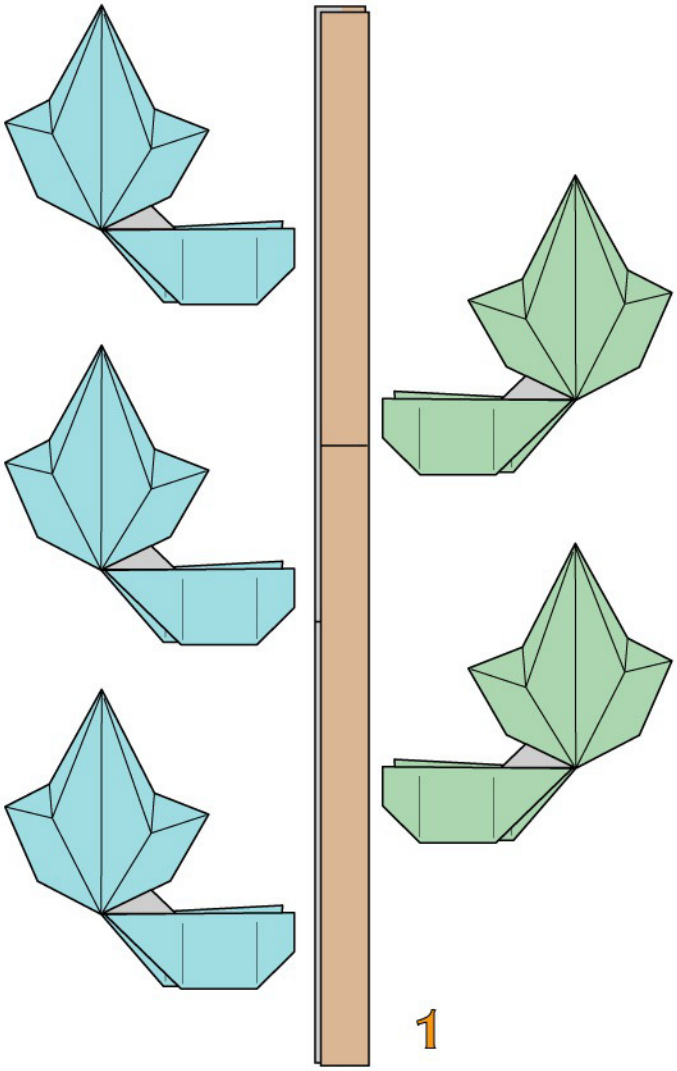
2 pieghe a monte



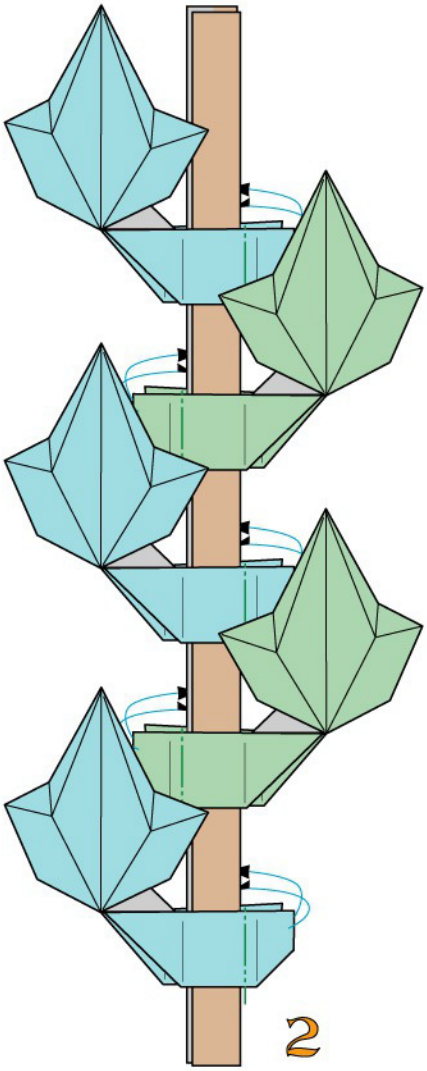
18

Foglia destra ultimata

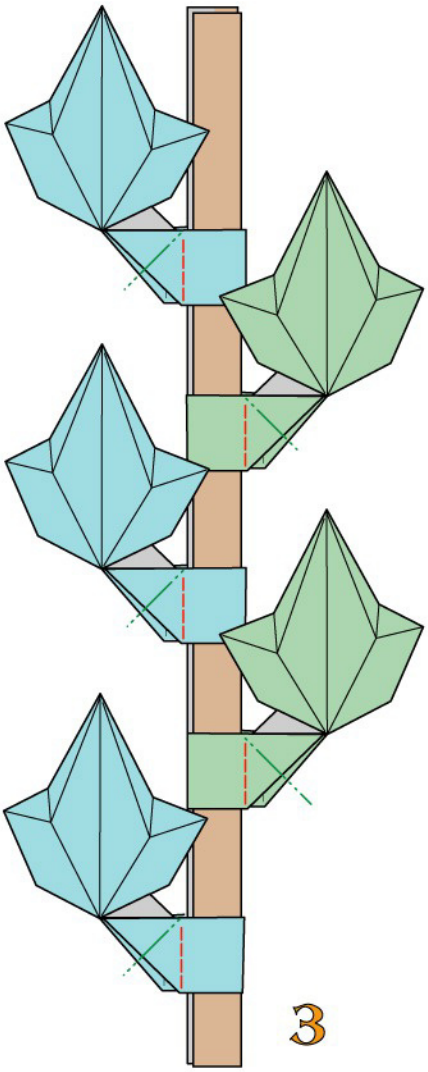
UNIONE DELLE FOGLIE AL GAMBO



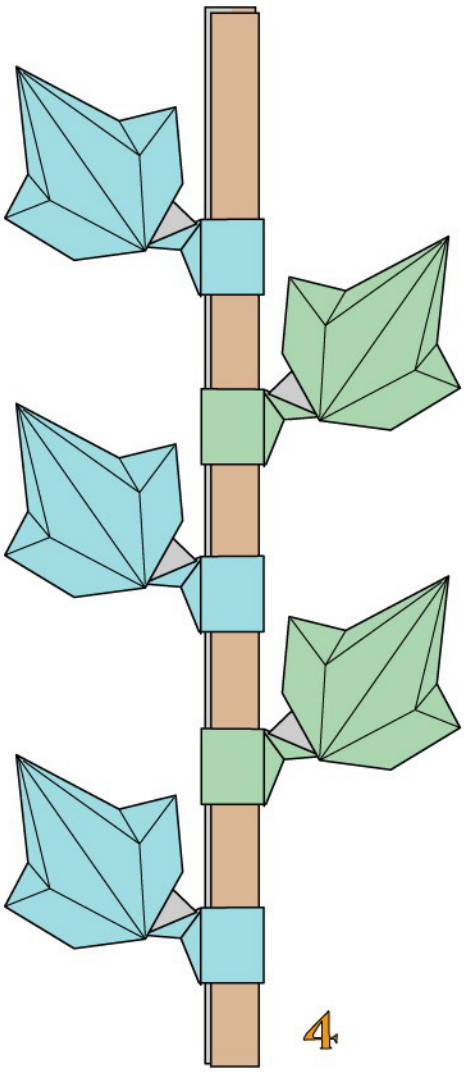
Sormontate le foglie sul gambo



Mediante pieghe a monte
bloccate le foglie sul gambo



1 piega a valle e 1 a monte per ogni foglia

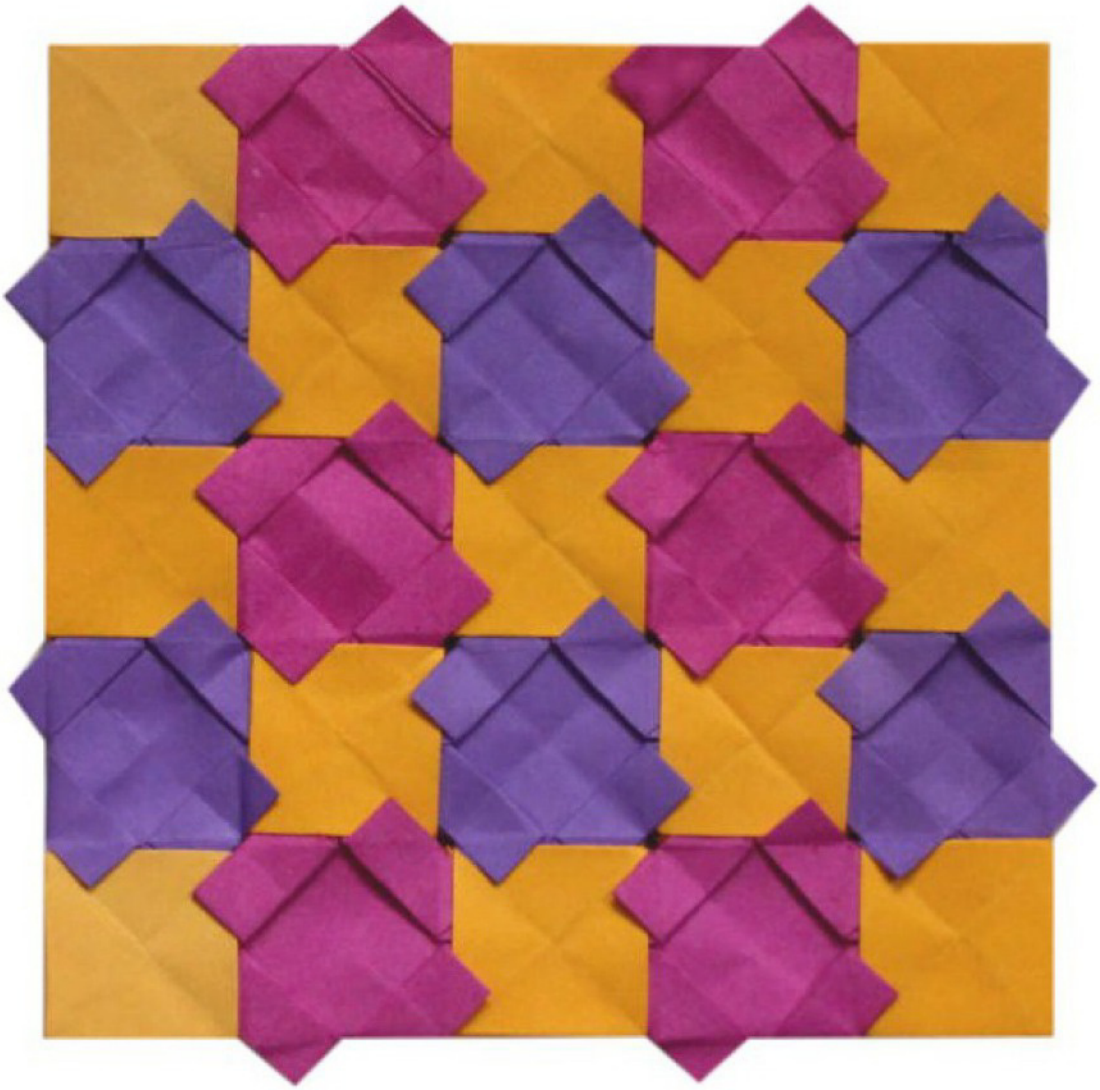


Foglie unite al gambo

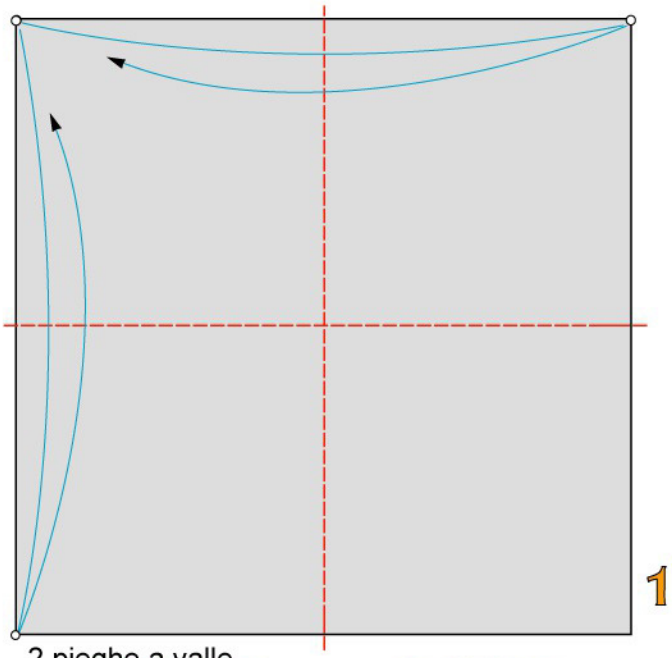
TASSELLAZIONE "A" MODULARE COMPATTA

Franco Pavarin 24

La tassellazione si costruisce unendo a scacchiera un modulo "A" e un modulo di bloccaggio.
Adoperate carta monocolore o bicolore leggera derlle dimensioni di cm 10x10

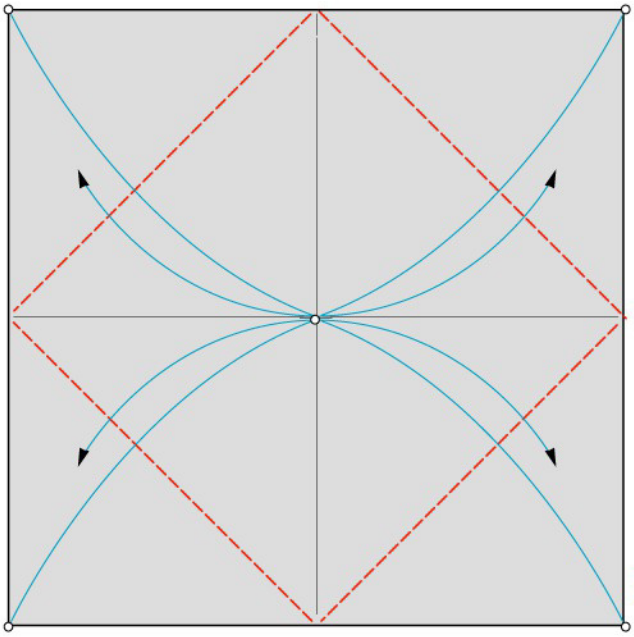


MODULO PER TASSELLAZIONE “A”



1

2 pieghe a valle



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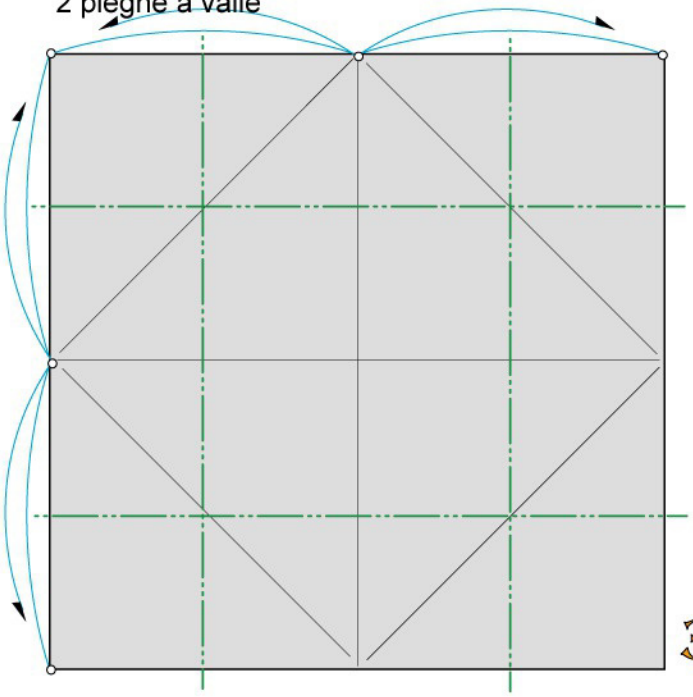

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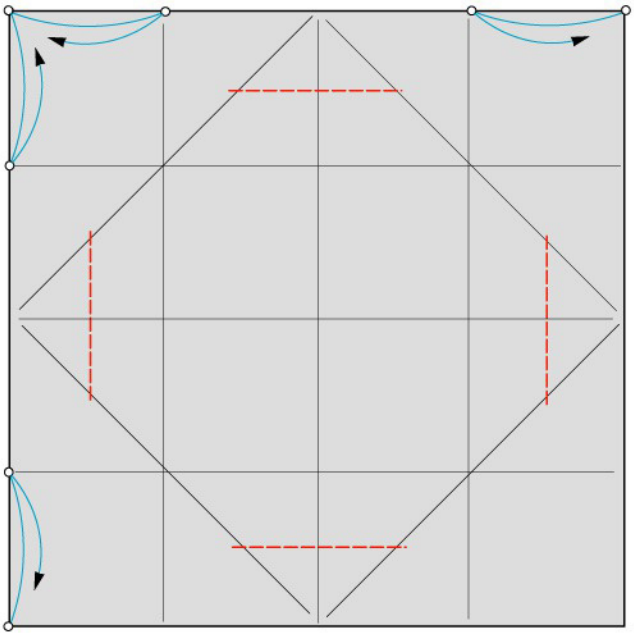
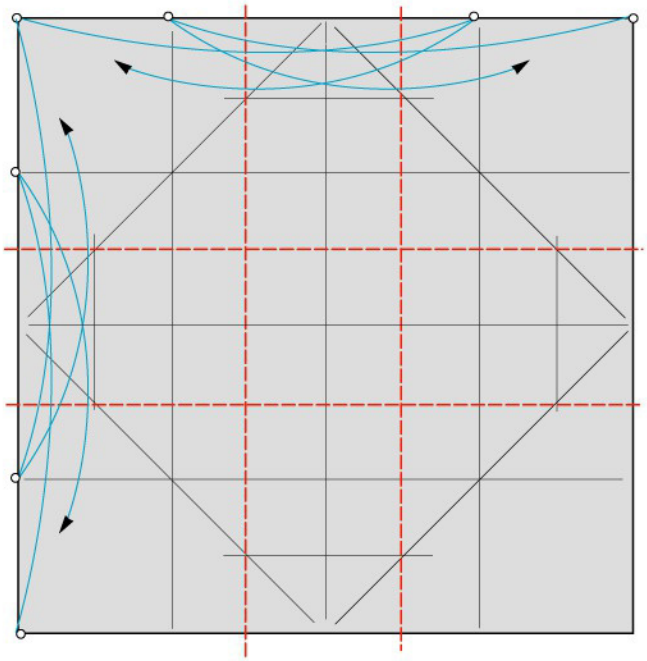


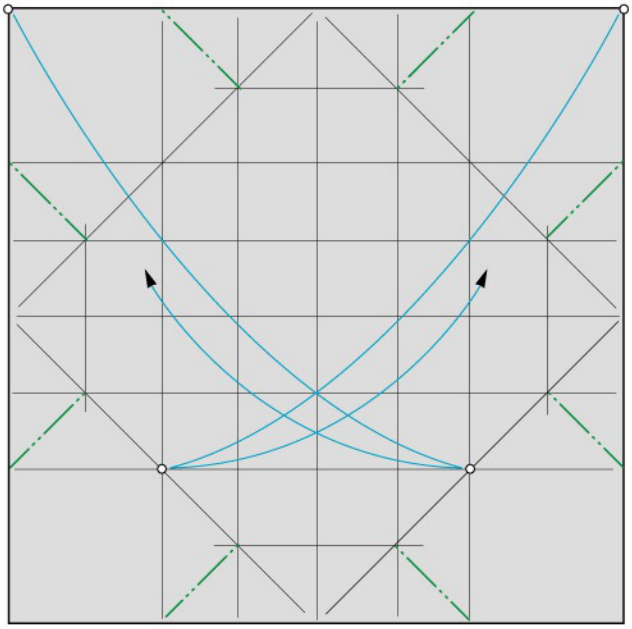
4

4 pieghe a valle



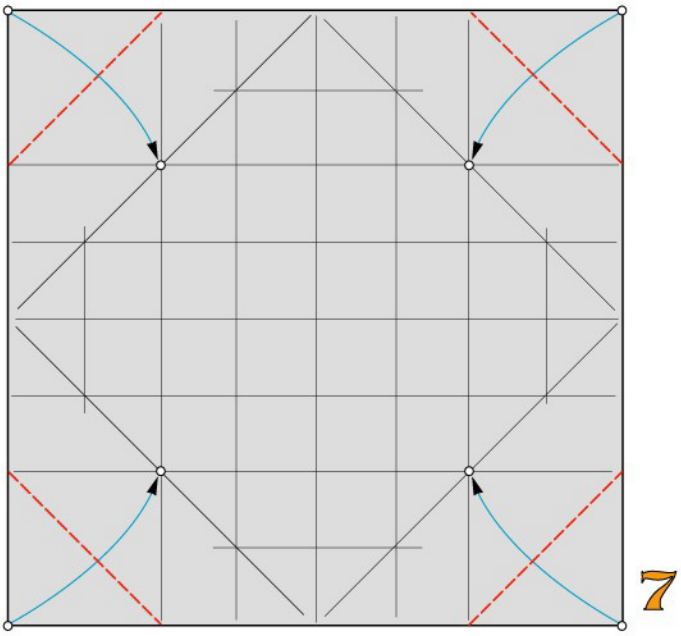
5

4 pieghe a valle

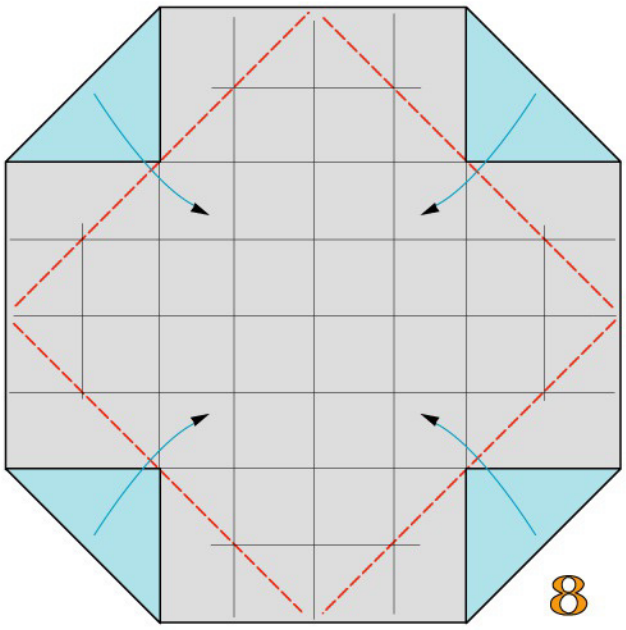


6

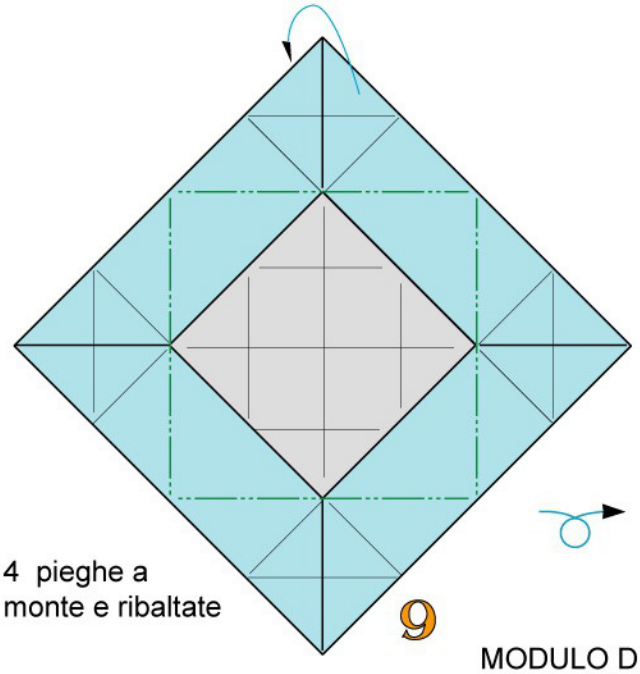
8 pieghe a monte



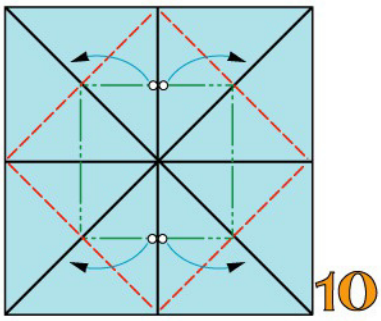
4 pieghe diagonali a valle



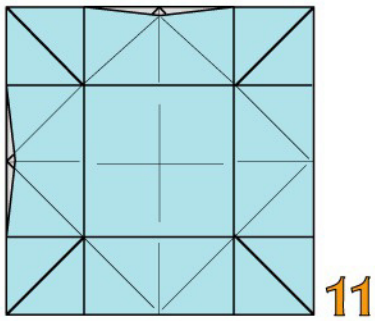
Ripiegate a valle



4 pieghe a
monte e ribaltate

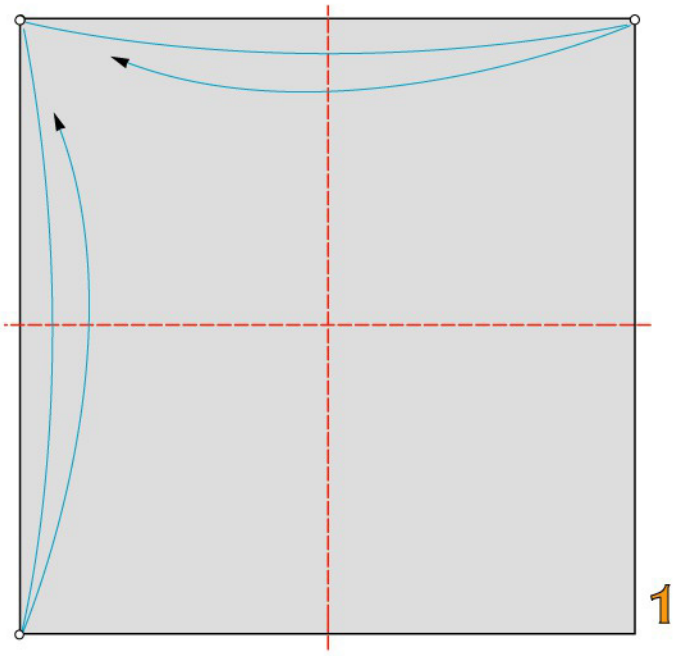


Aprite ripiegando
a valle e a monte

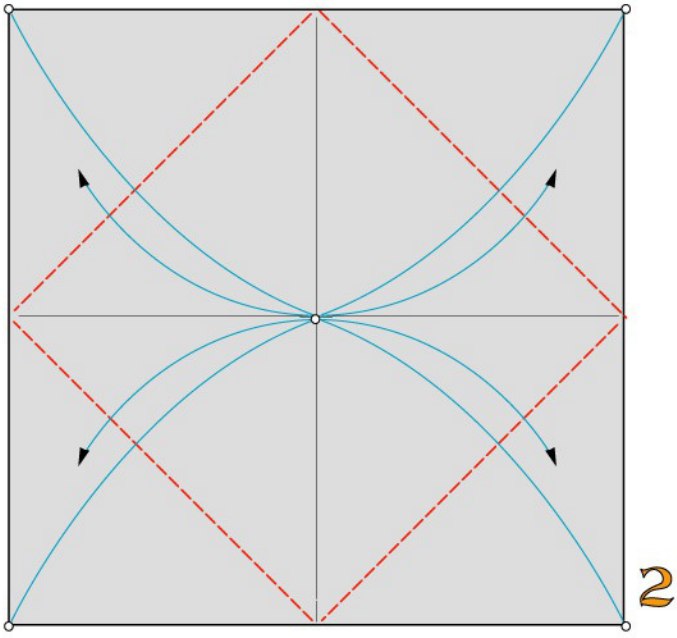


Modulo per tassellazione
“A” ultimato

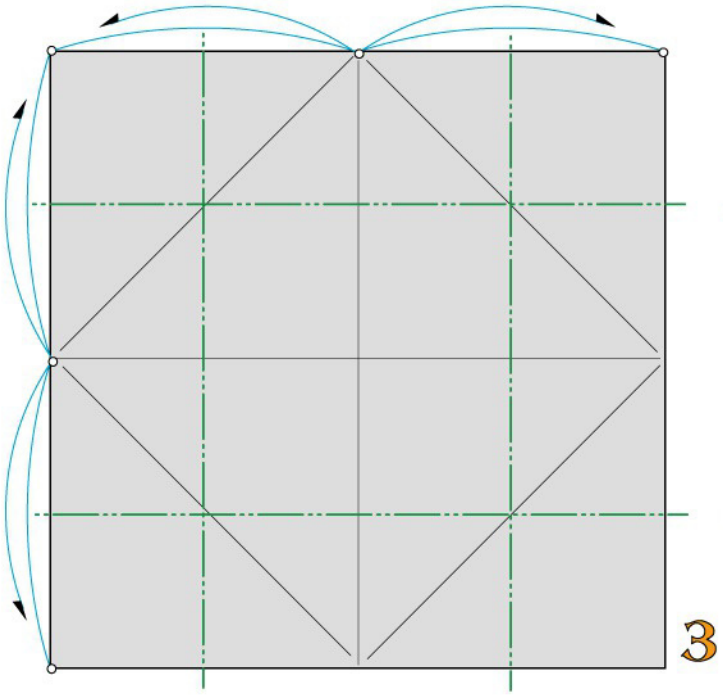
MODULO DI BLOCCAGGIO



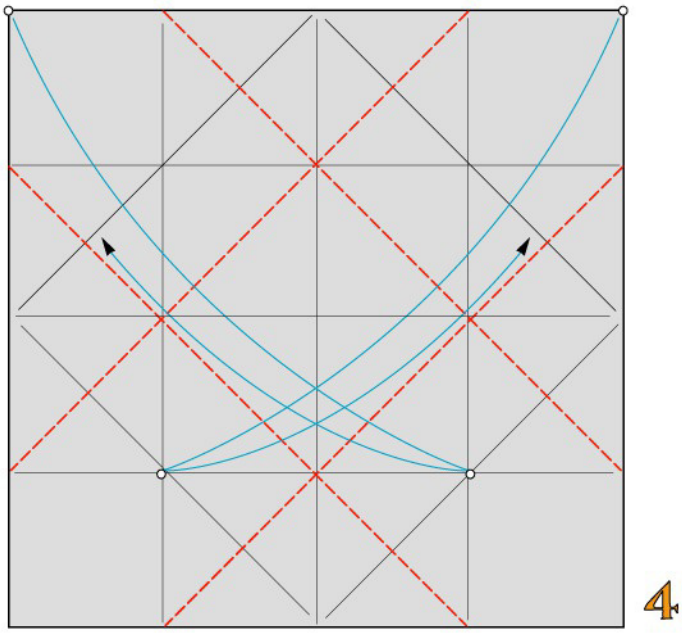
2 pieghe a valle



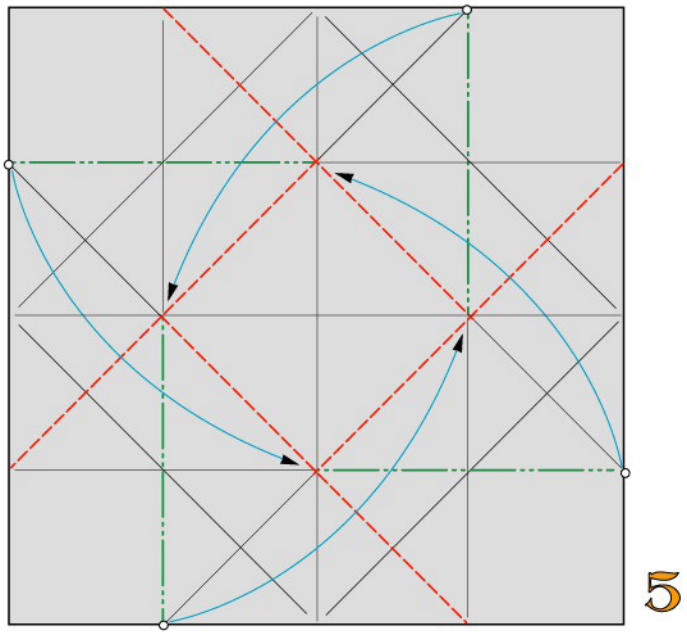
4 pieghe diagonali a valle



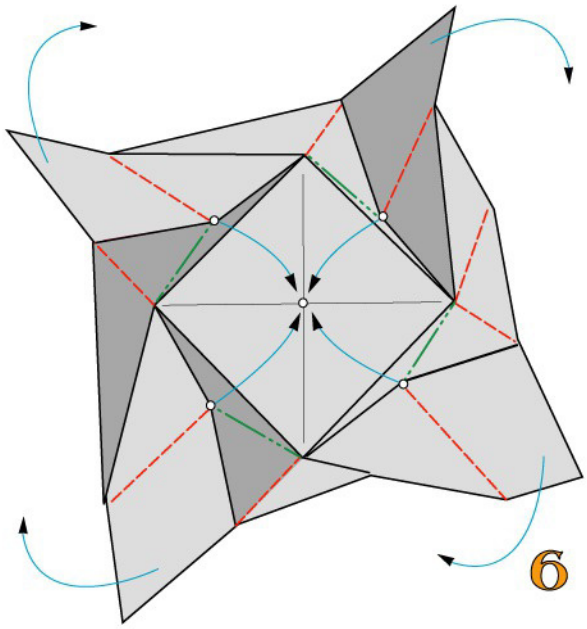
4 pieghe a monte



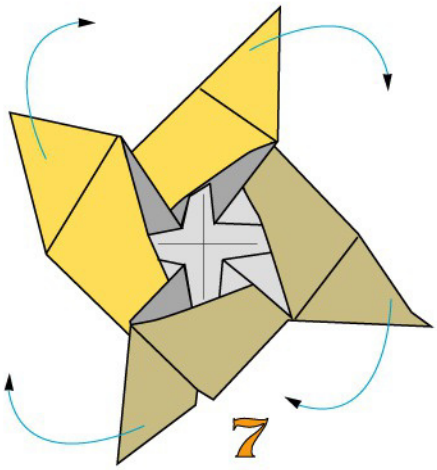
4 pieghe diagonali a valle

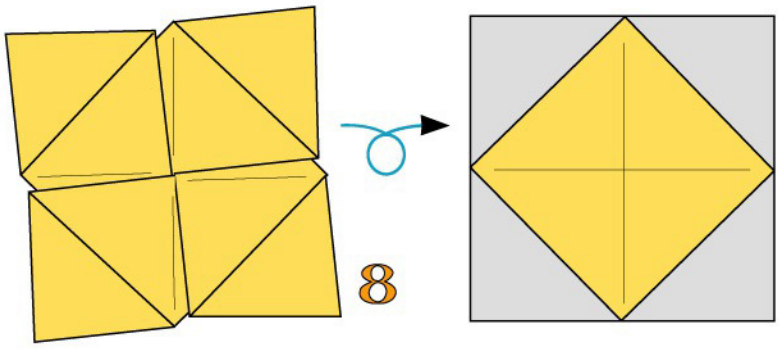


Ripiegate a valle e a monte



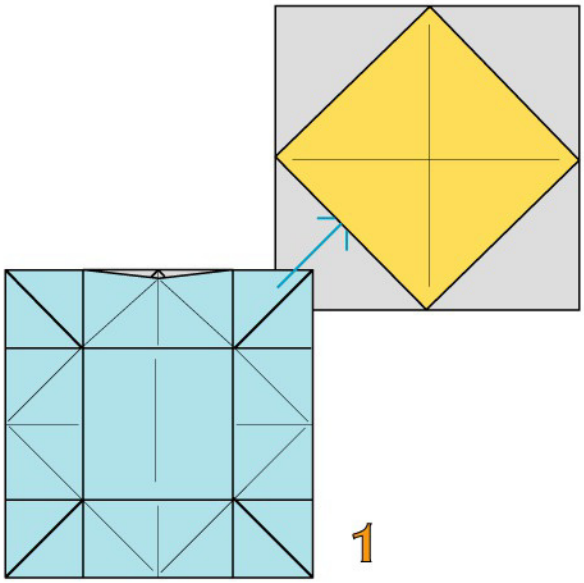
Piegando ruotate



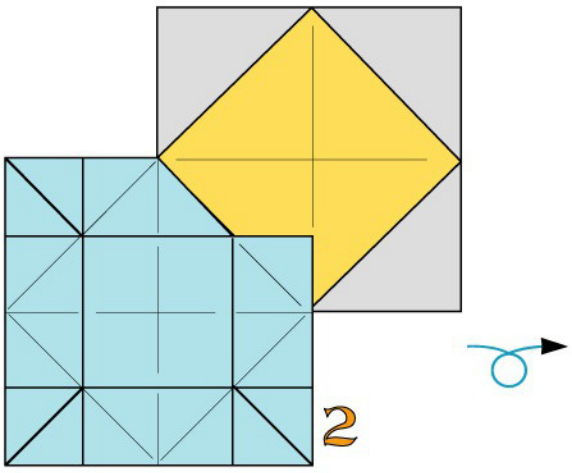


Modulo di bloccaggio ultimato.
Ribaltate

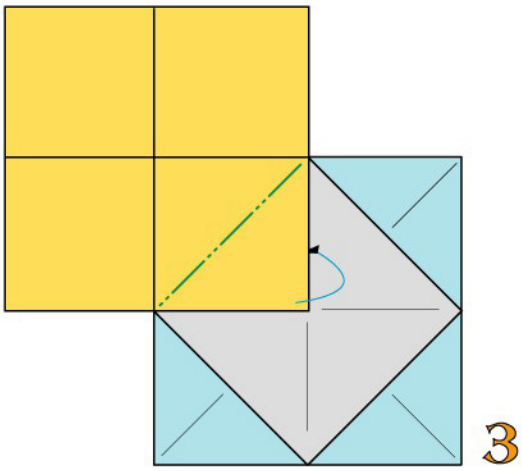
UNIONE DEL MODULO “A” CON IL MODULO DI BLOCCAGGIO



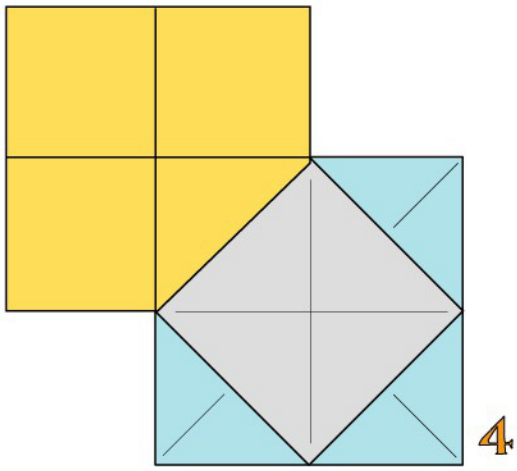
Inserite il modulo “A” entro la tasca superiore del modulo di bloccaggio



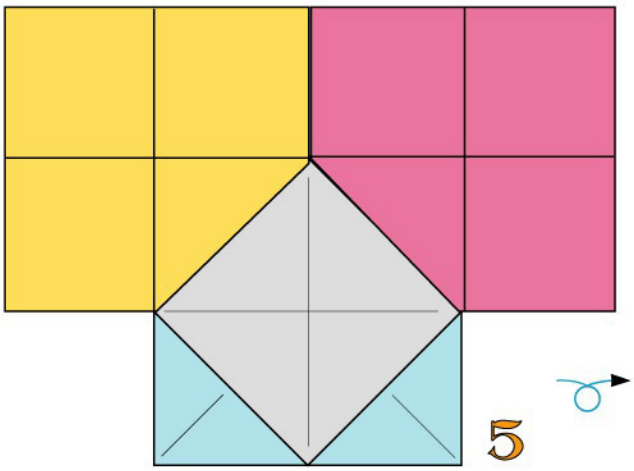
Ribaltate



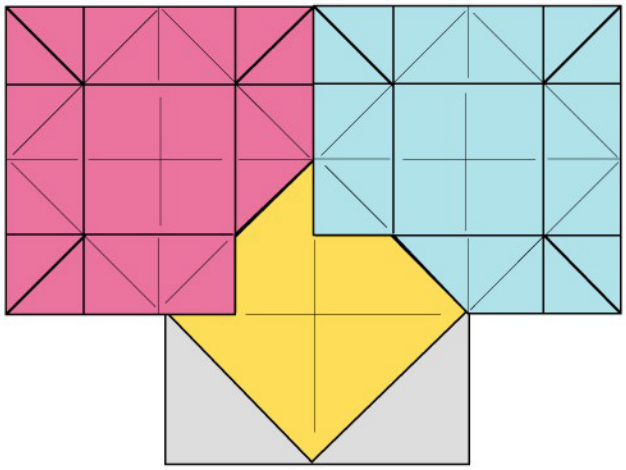
Mediante 1 piega a monte bloccate l’unione



Unione completata.
Aggiungete e bloccate un nuovo modulo



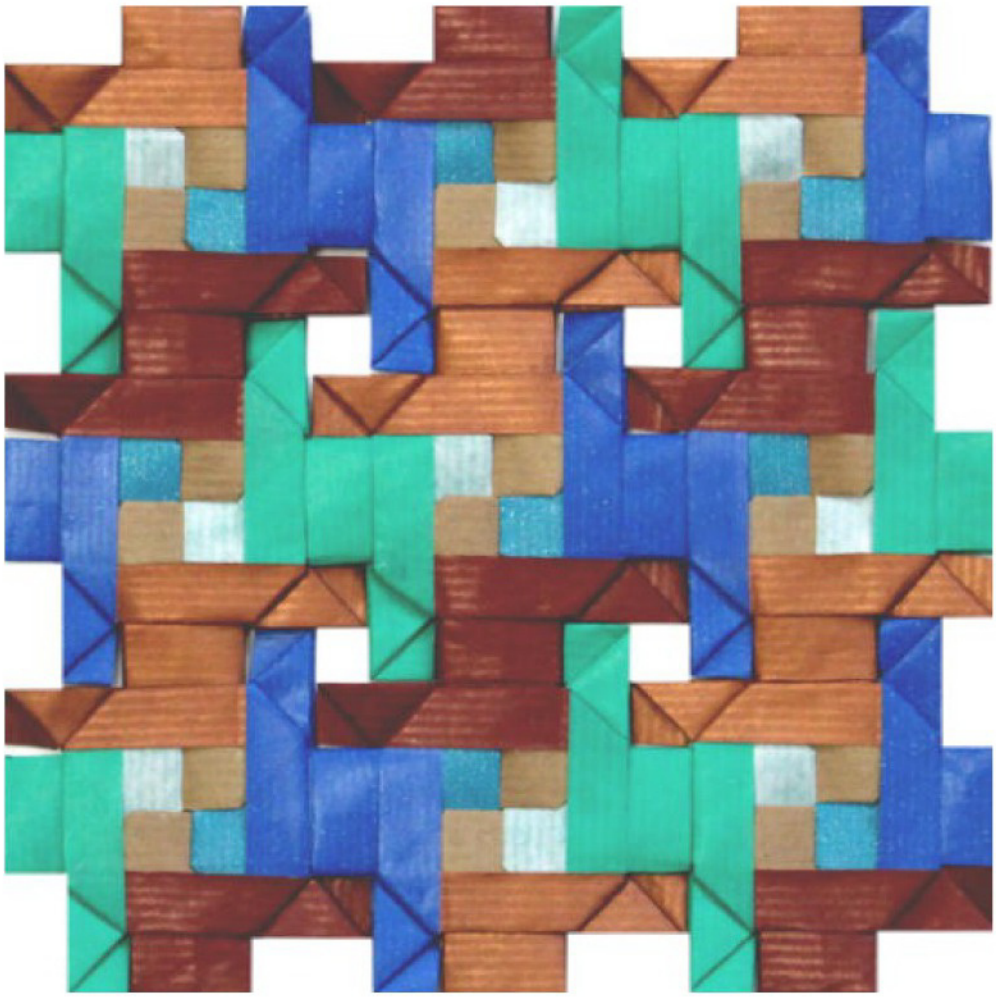
Ribaltate



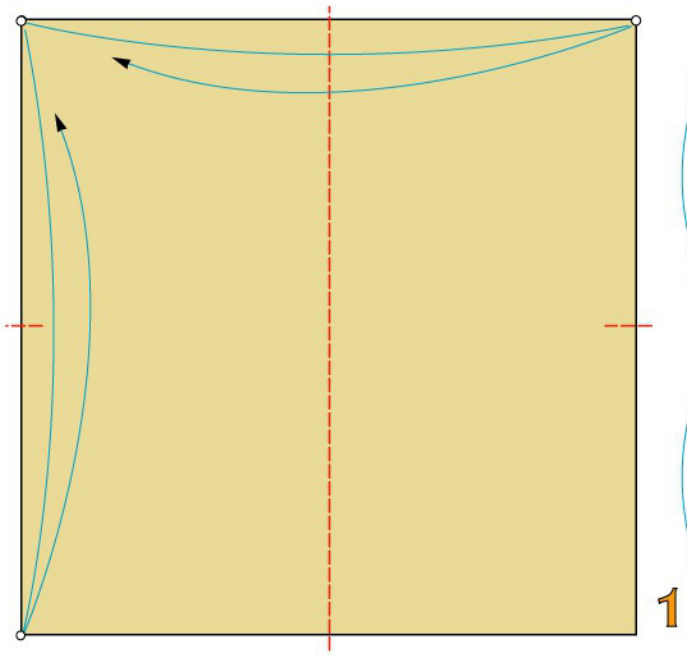
TASSELLAZIONE "B" MODULARE TRAFORATA

Franco Pavarin 24

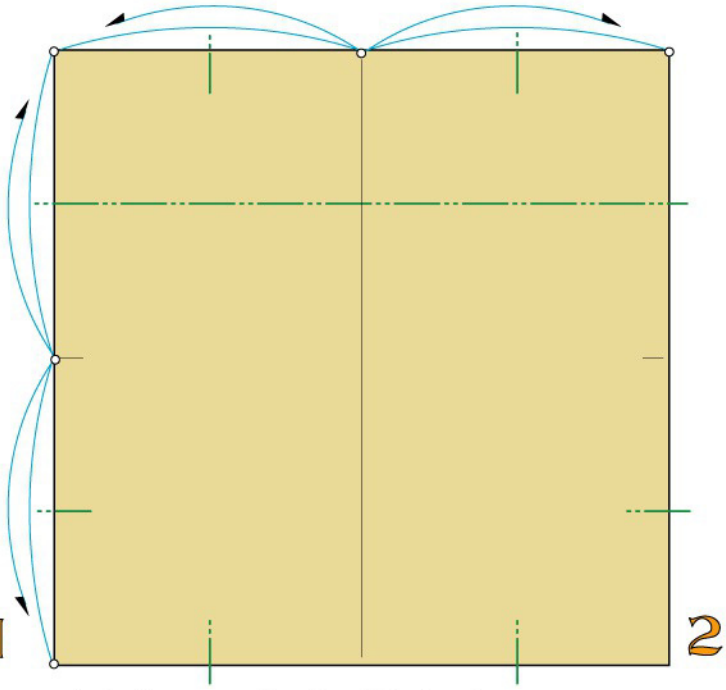
Si realizza unendo moduli composti formati da 4 moduli semplici.
Adoperate fogli bicolori leggeri di formato cm 10x10



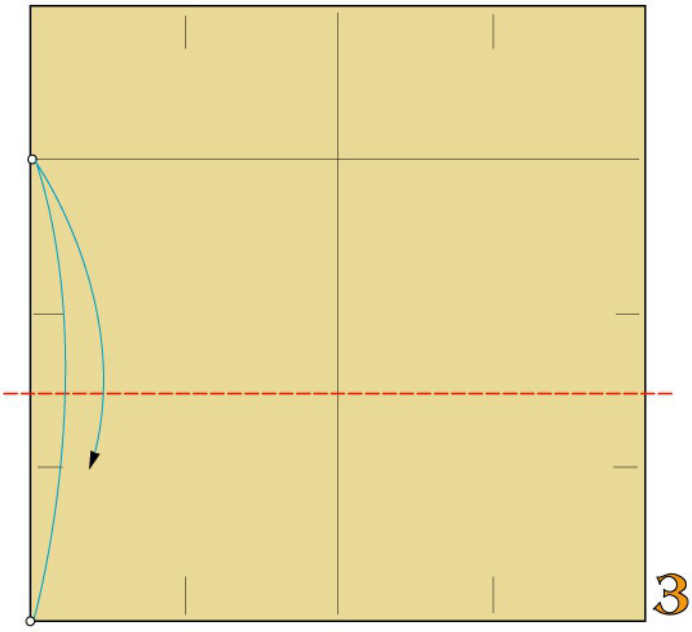
MODULO B6



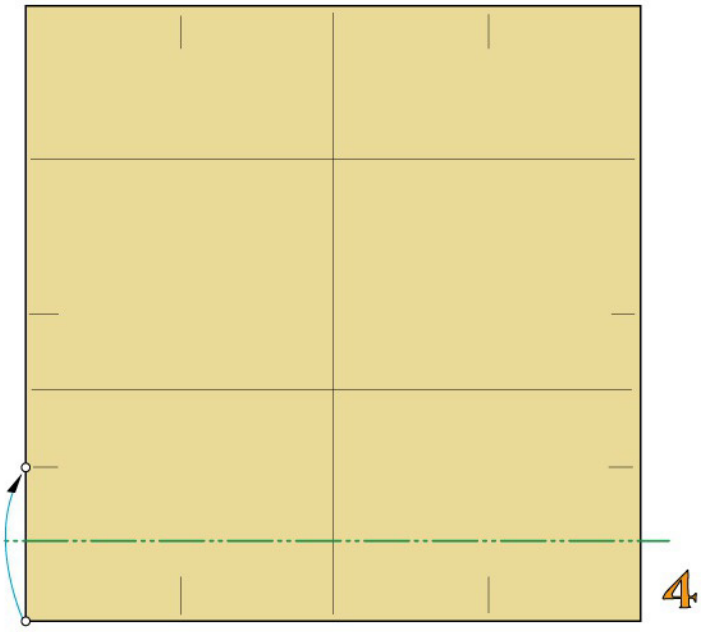
3 pieghe a valle, di cui 2 piccole



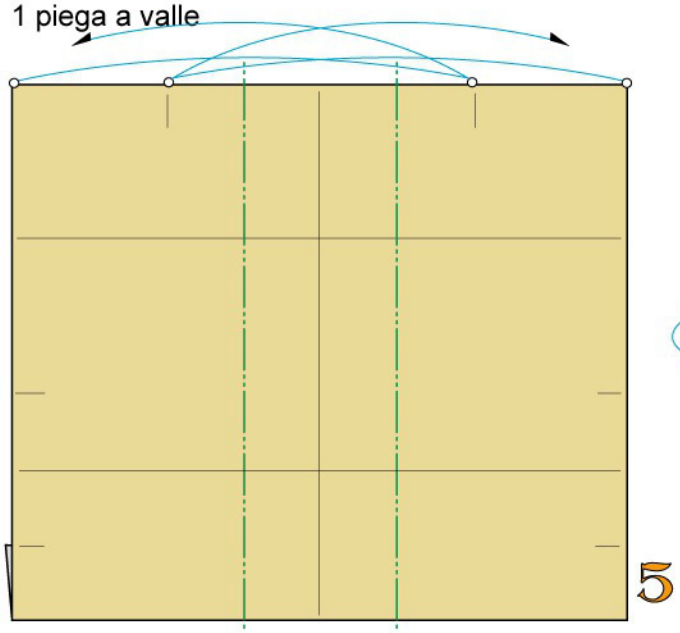
7 pieghe a monte, di cui 6 piccole



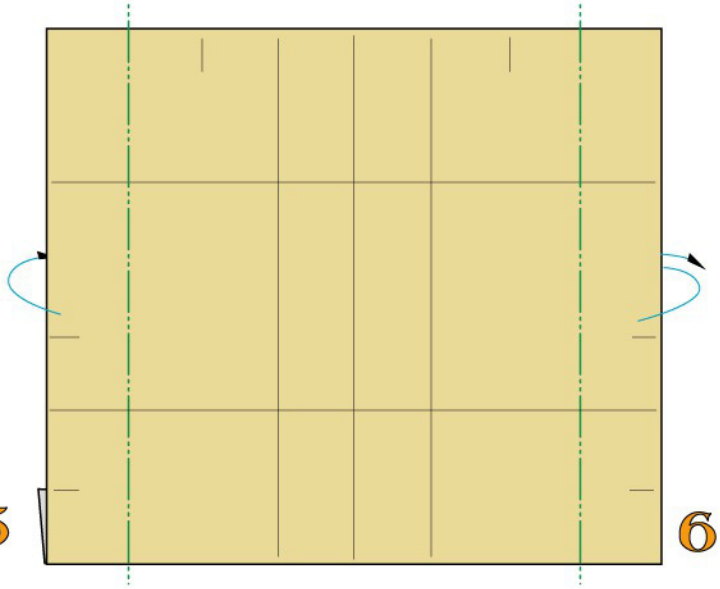
1 piega a valle



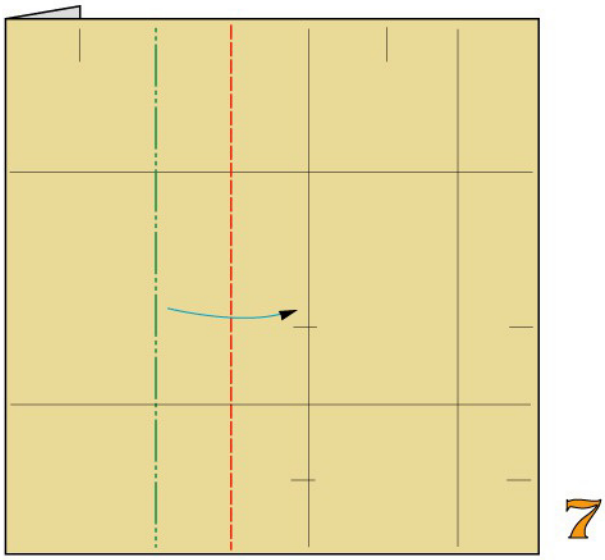
1 piega a monte



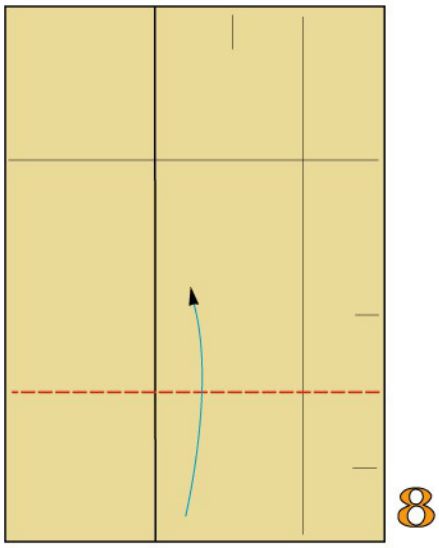
2 pieghe a monte



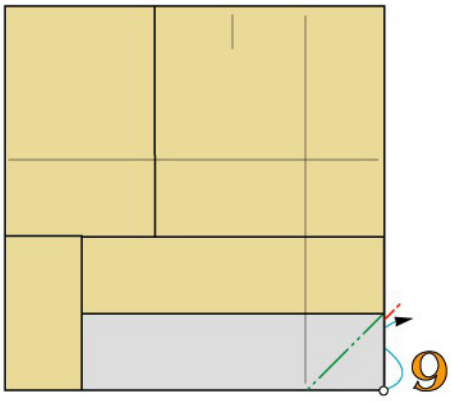
2 pieghe a monte



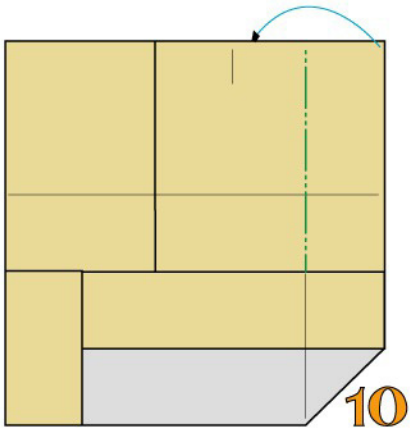
Ripiegate a valle e a monte



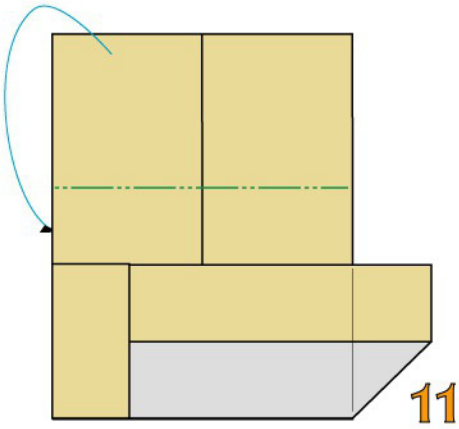
1 piega a valle



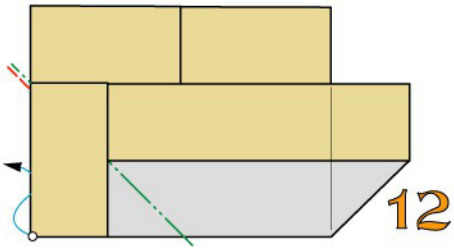
1 piega rovescia interna



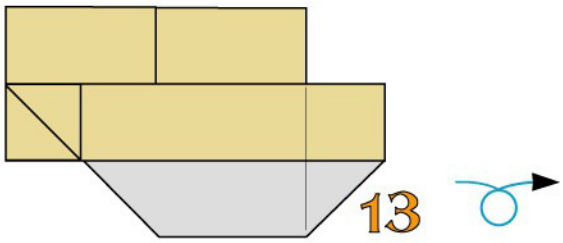
Ripiegate a monte



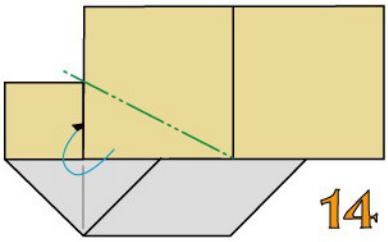
Ripiegate a monte



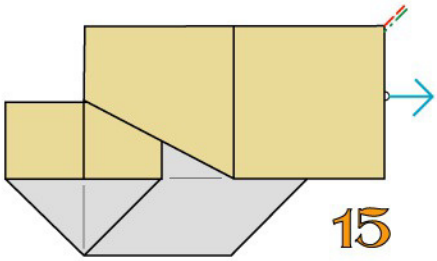
1 piega rovescia interna



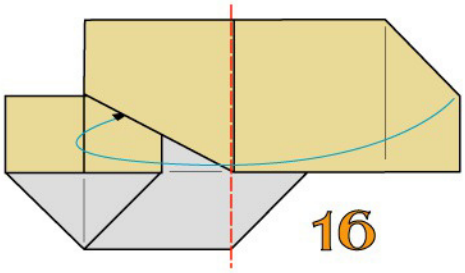
Ribaltate



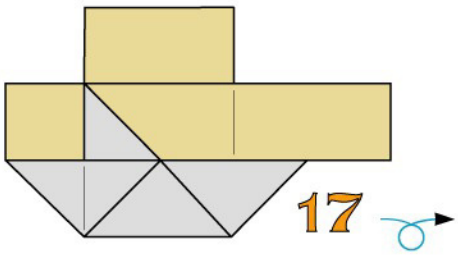
1 piega a monte

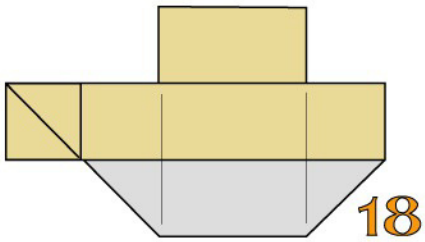


Estraete la superficie interna
piegando a valle e a monte



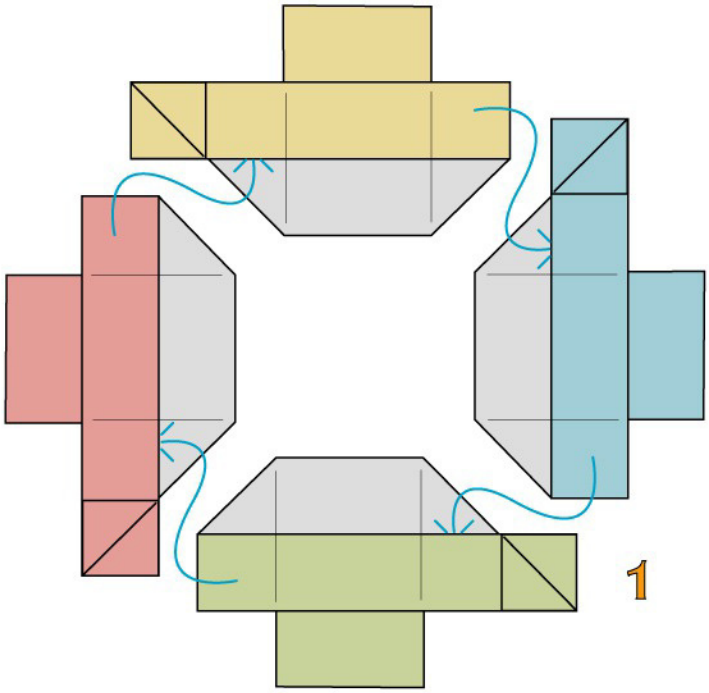
Ripiegando a valle intascate



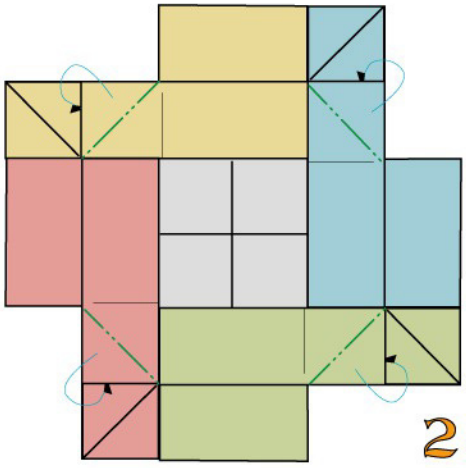


Modulo B6 ultimato. Ribaltate

UNIONE DEI MODULI SEMPLICI

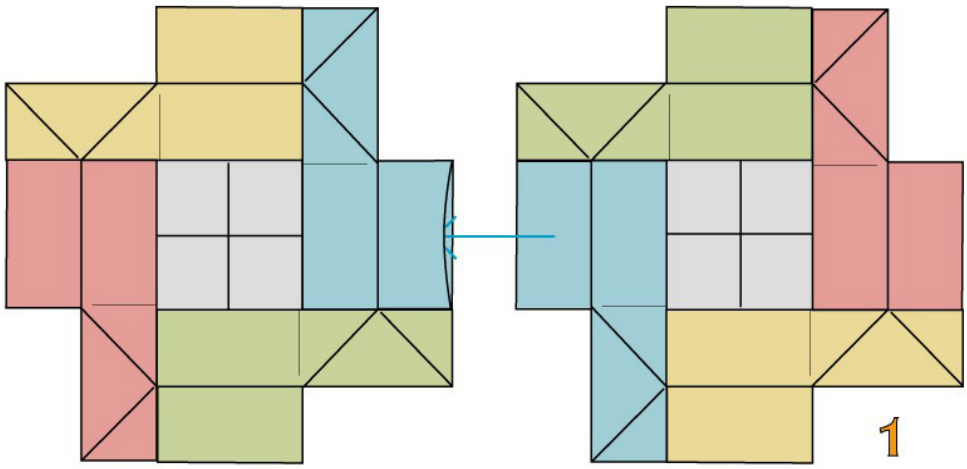


Inseite vicendevolmente un modulo nell'altro

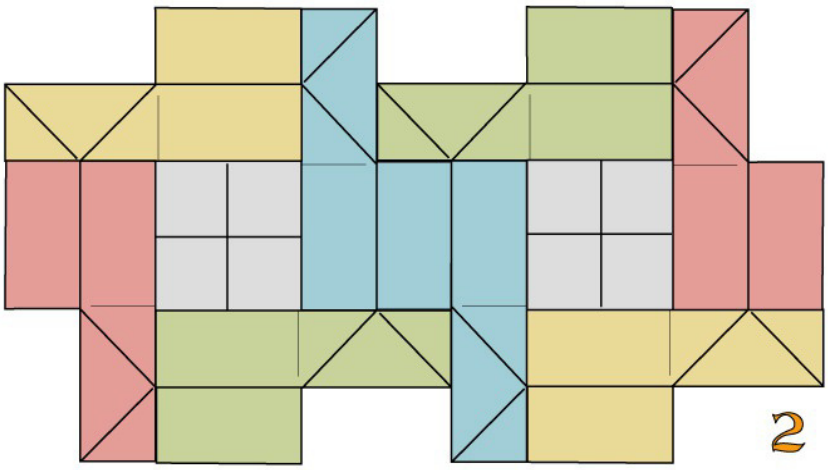


Mediante 4 pieghe a monte bloccate l'unione

UNIONE DEI MODULI COMPOSTI



Inserite un modulo nell'altro

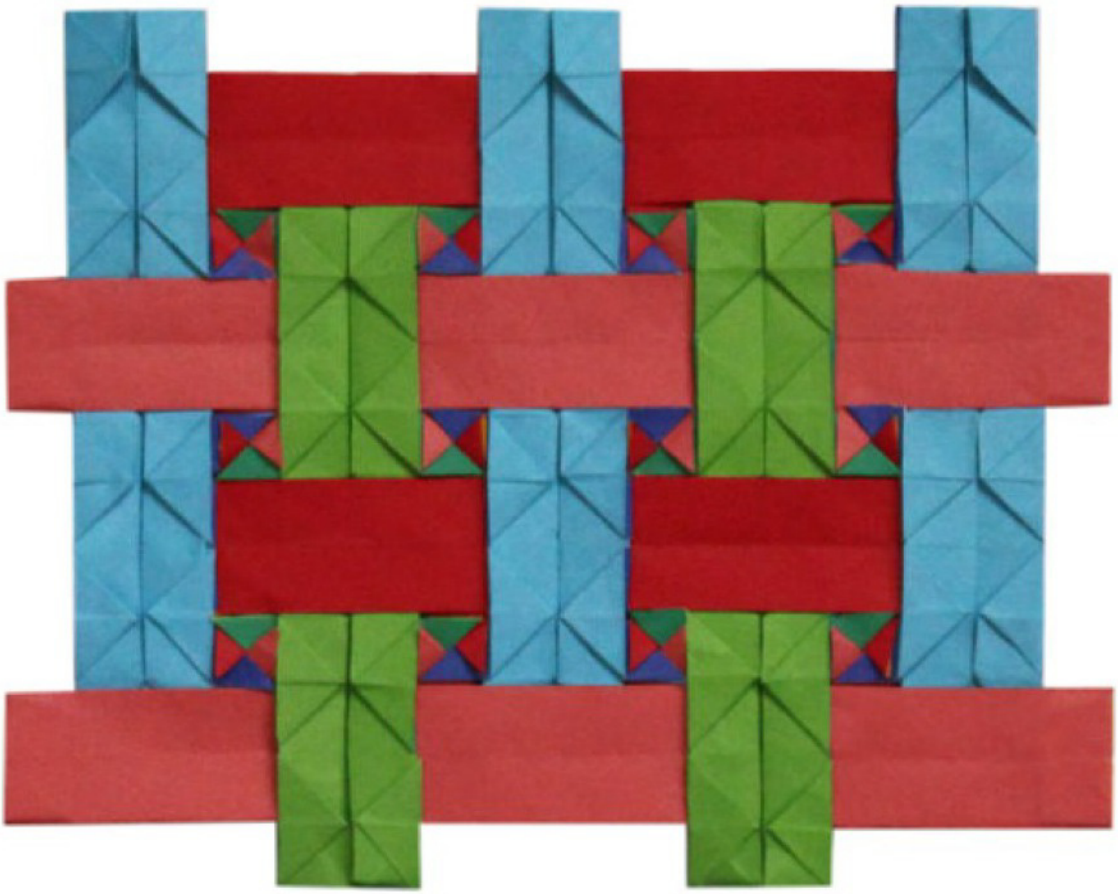


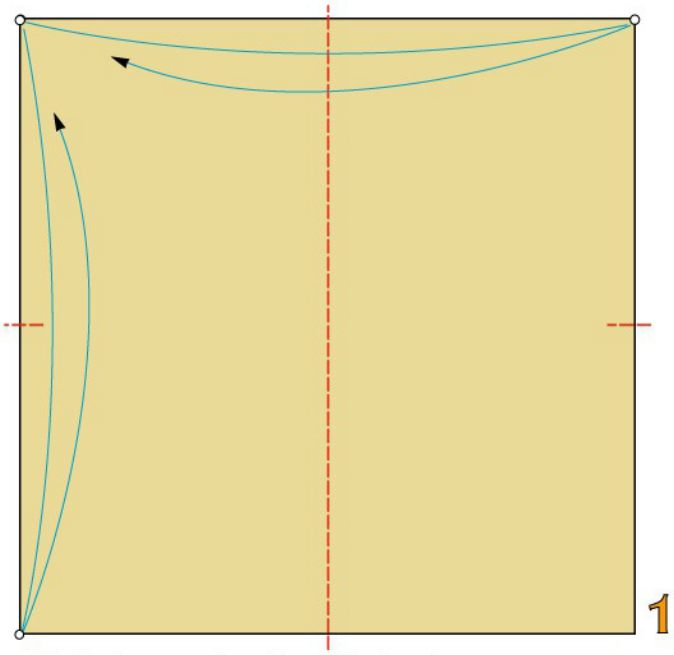
Unione di 2 moduli composti ultimata

TASSELLAZIONE "C" MODULARE COMPATTA

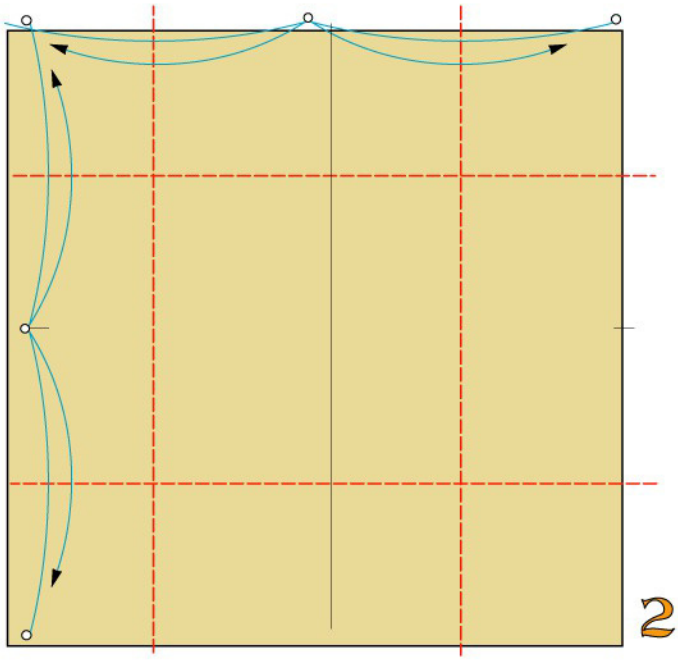
Franco Pavarin 24

La tassellazione si costruisce unendo moduli "C".
Adoperate carta bicolore leggera delle dimensioni di cm 7,5x7,5

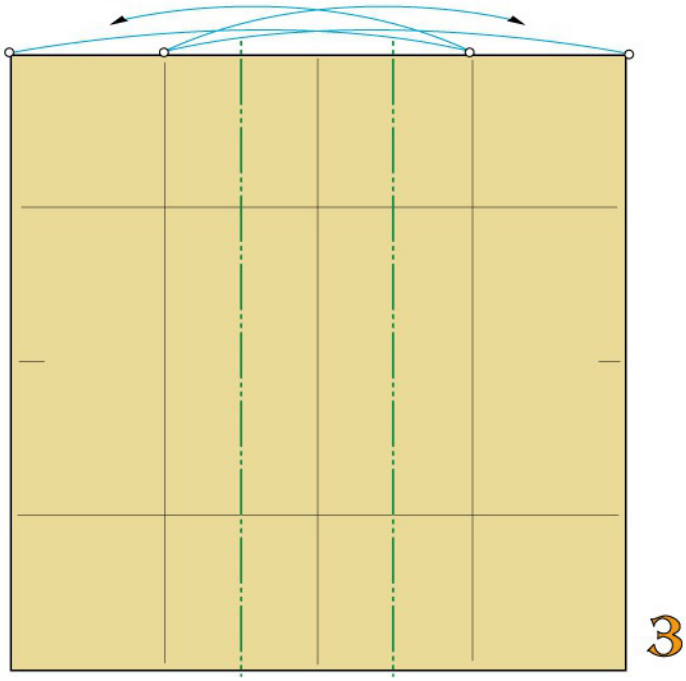




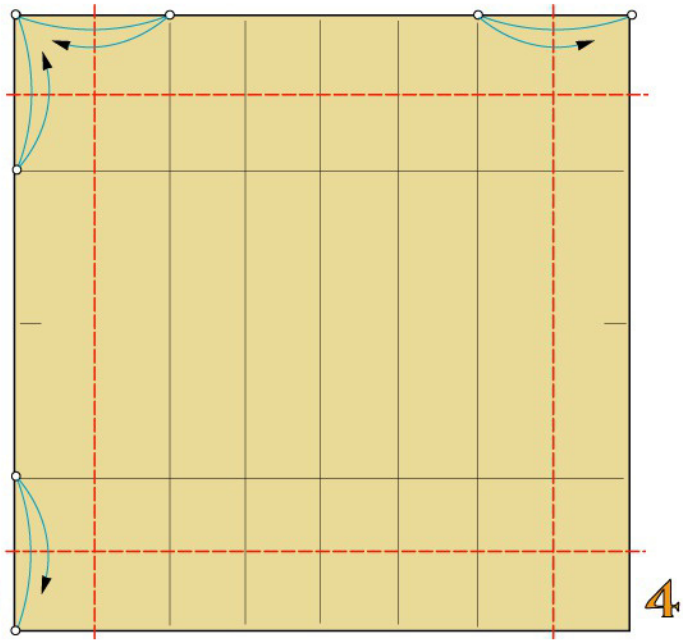
3 pieghe a valle, di cui 2 piccole



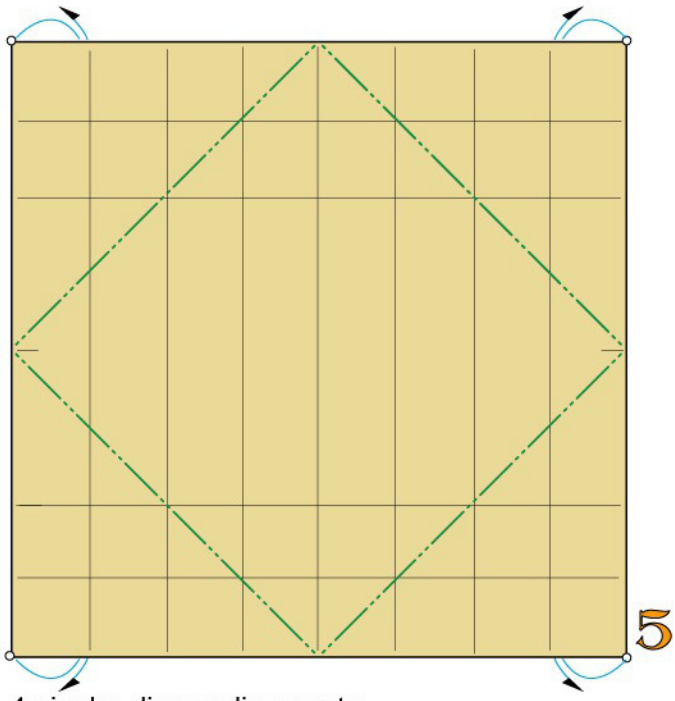
4 pieghe a valle



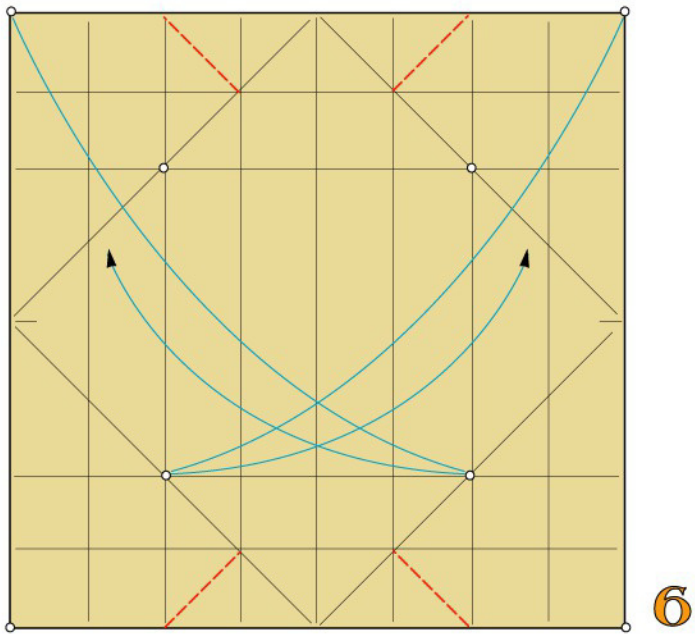
2 pieghe a monte



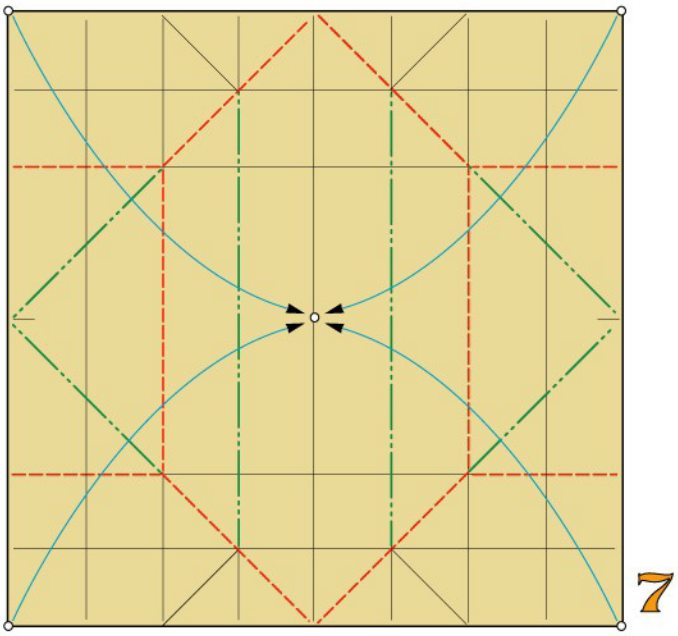
4 pieghe a valle



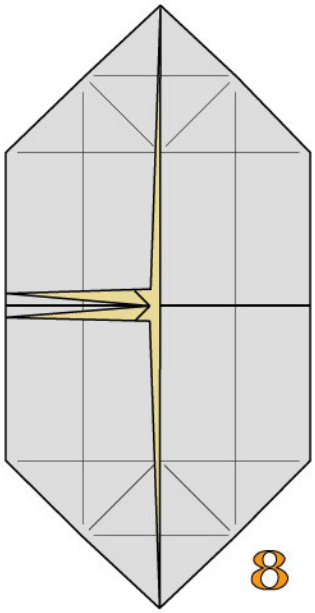
4 pieghe diagonali a monte



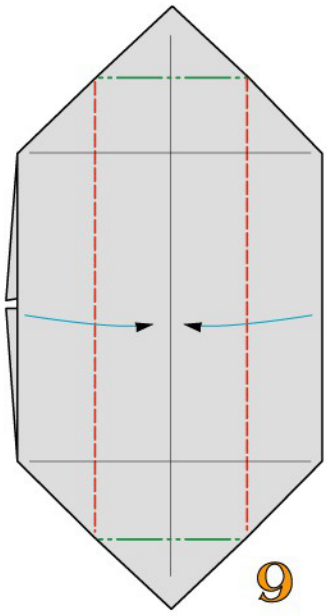
4 pieghe diagonali a valle



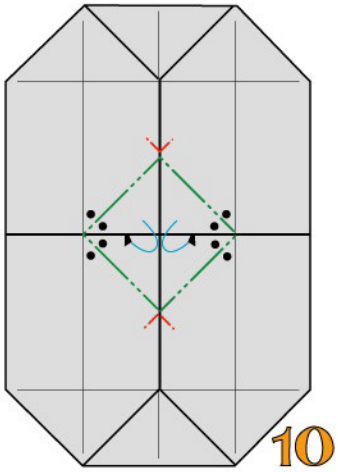
Ripiegate a valle e a monte



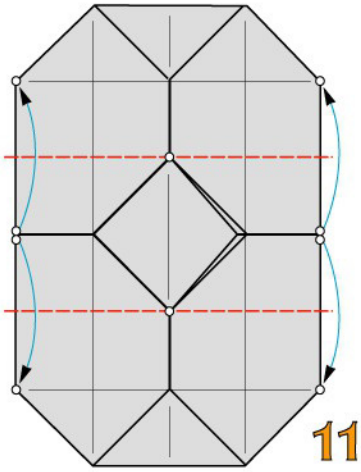
Ribaltate



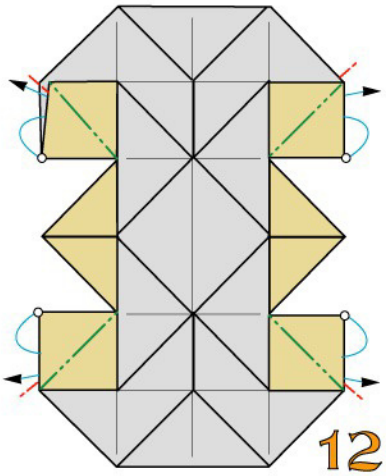
Ripiegate a valle e a monte



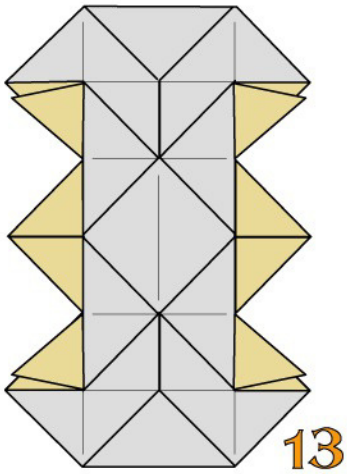
4 pieghe rovesce interne



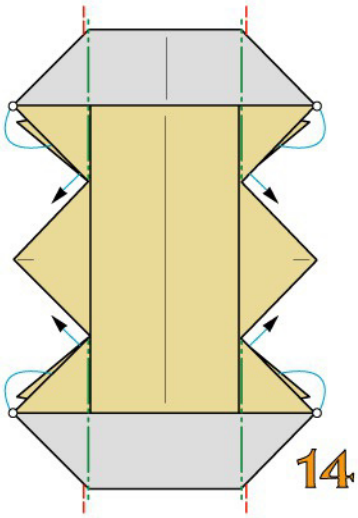
2 pieghe a valle



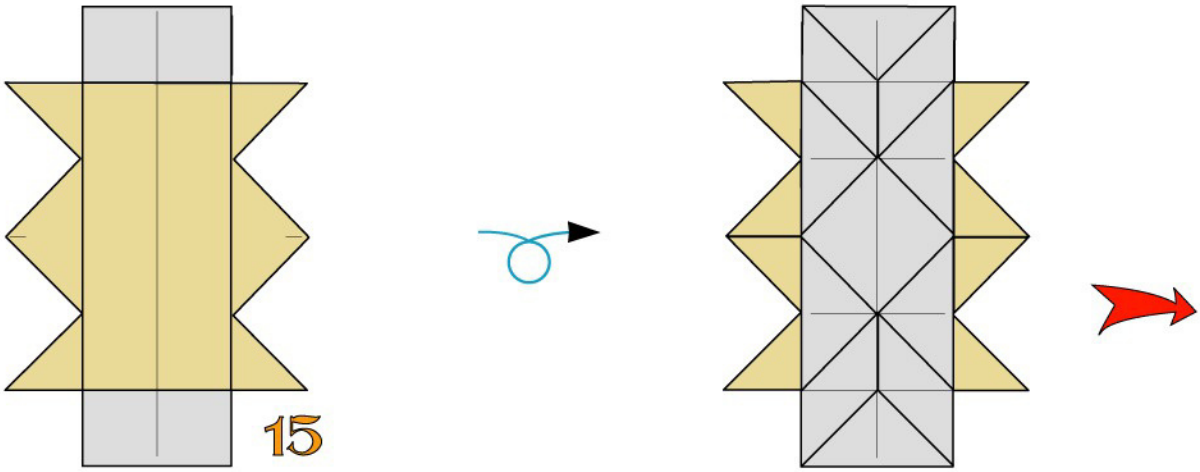
4 pieghe rovesce interne



Ribaltate

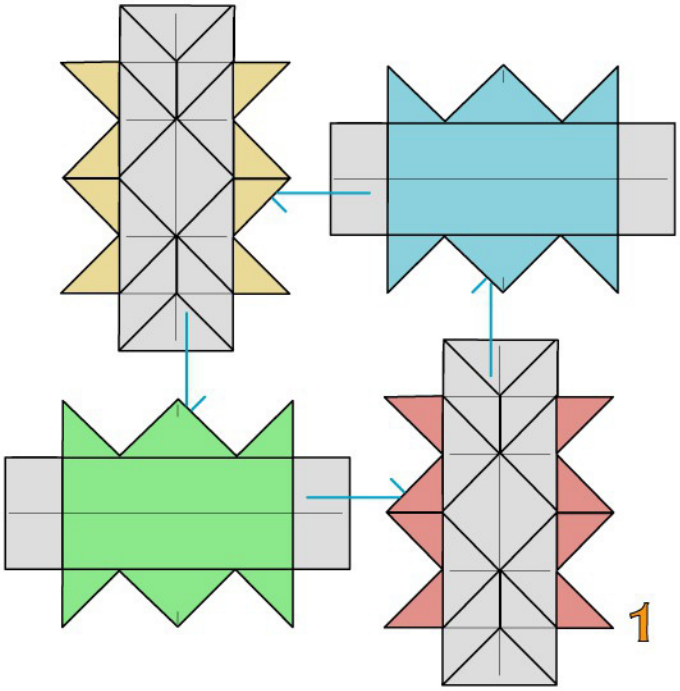


4 pieghe rovesce interne

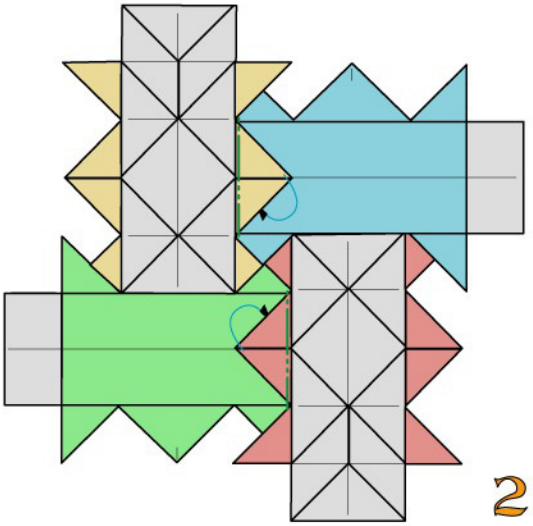


Modulo per tassellazioni “C6” ultimato.
Ribaltate

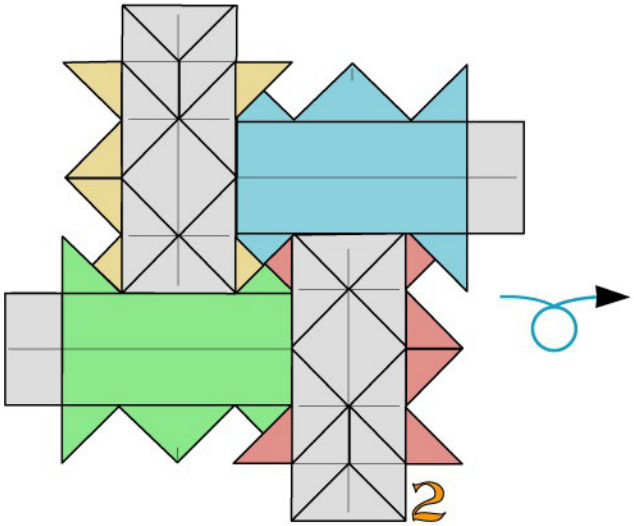
UNIONE DEI MODULI



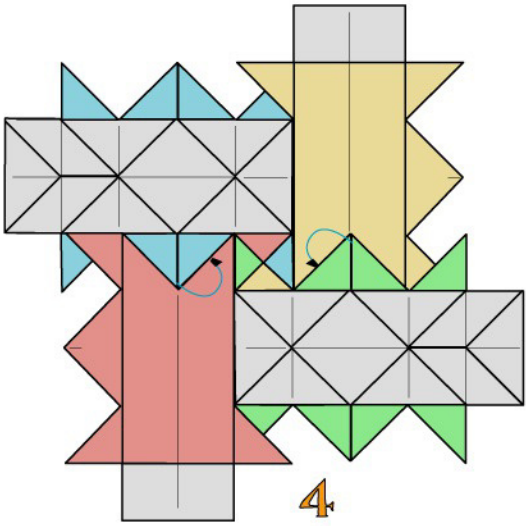
Inserite vicendevolmente un modulo nel successivo



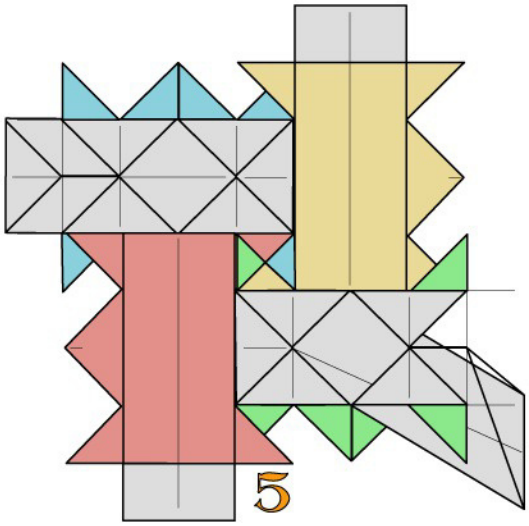
Piegando a monte intascate
i triangoli indicati



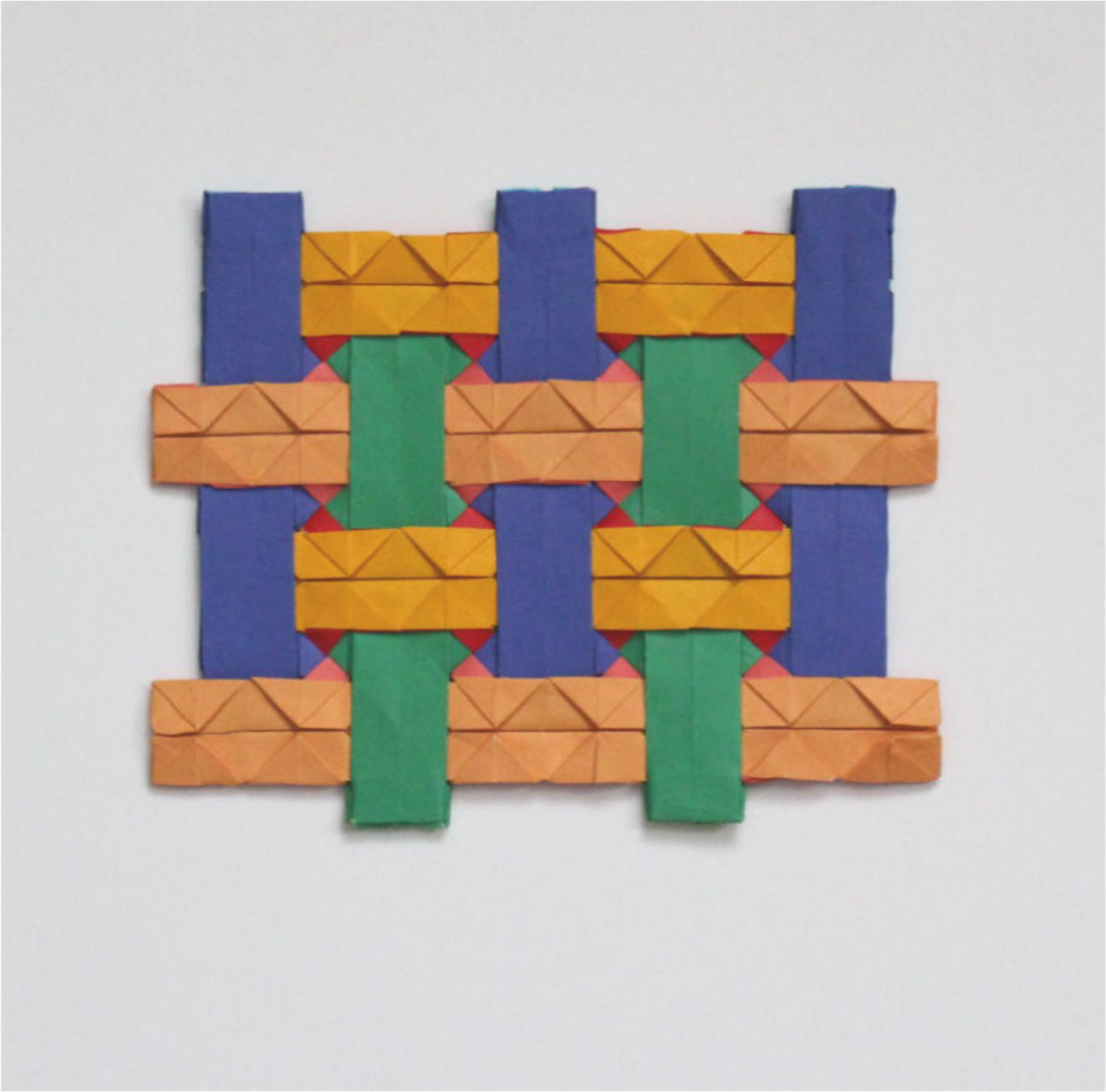
Ribaltate



Mediante 2 pieghe a monte bloccate l'unione



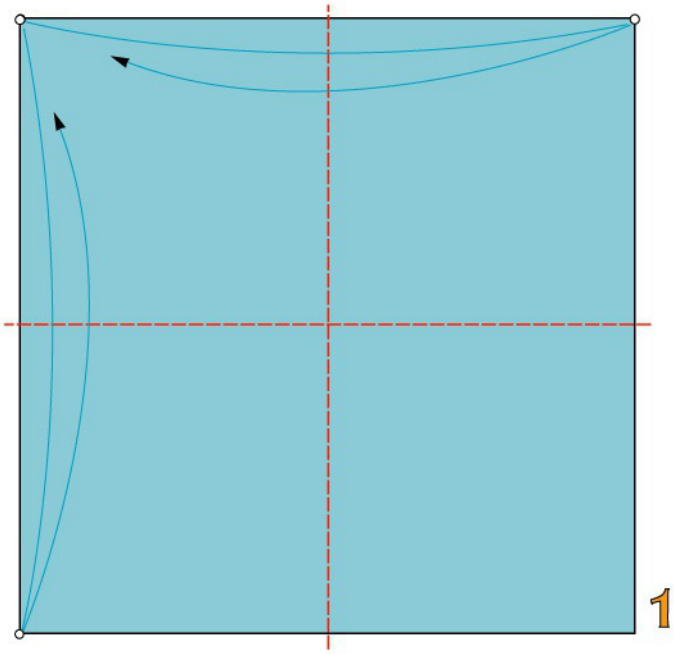
Unione completata



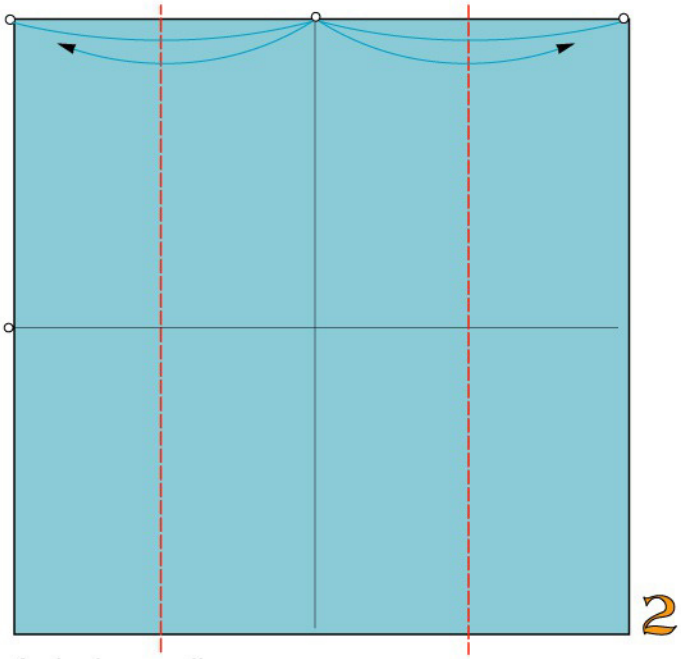
TASSELLAZIONE "D" MODULARE COMPATTA

Franco Pavarin 24

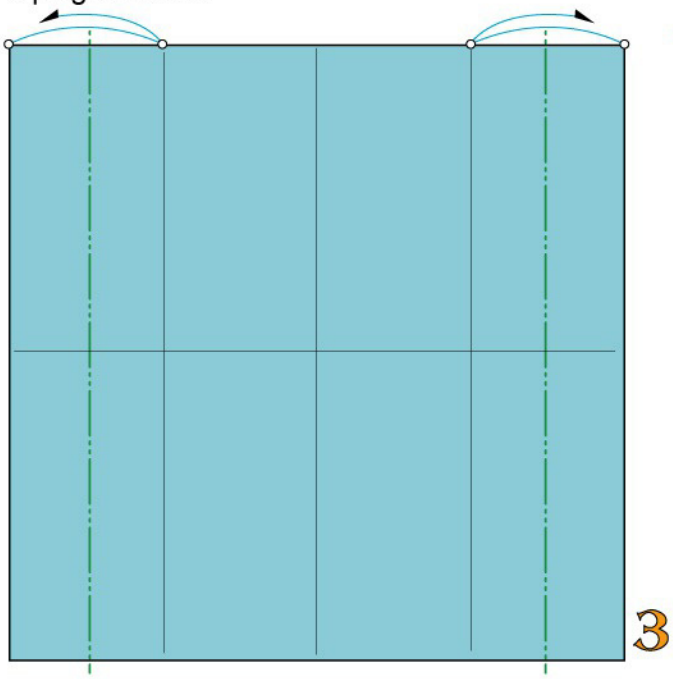
Questa tassellazione è formata dall'unione di più moduli composti.
Ogni modulo composto è formato unendo 4 foglietti di carta bicolore leggera delle dimensioni di cm 7,5x15



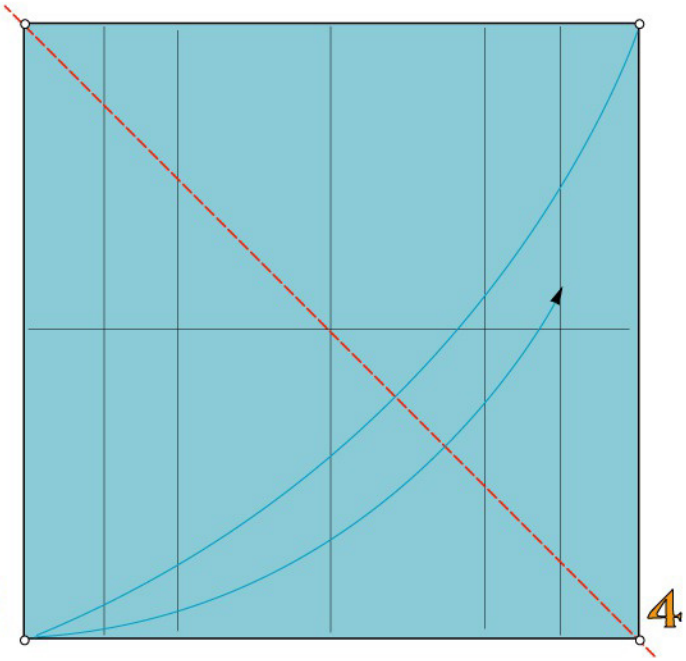
2 pieghe a valle



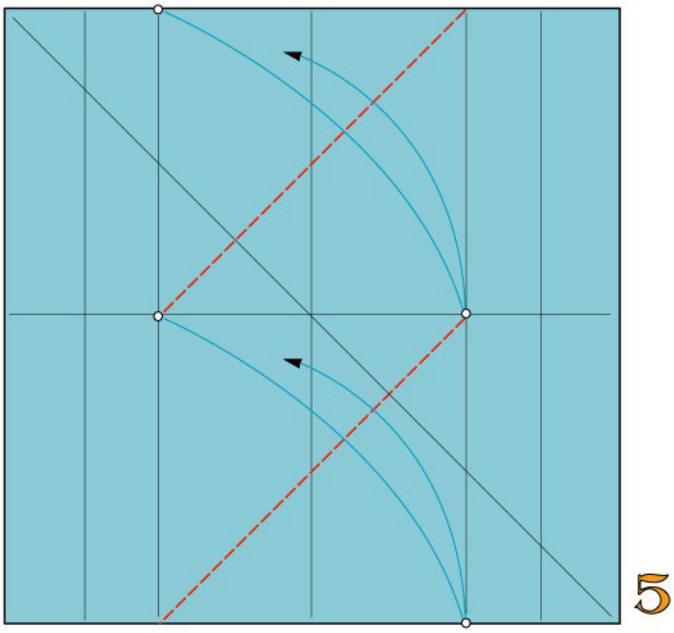
2 pieghe a valle



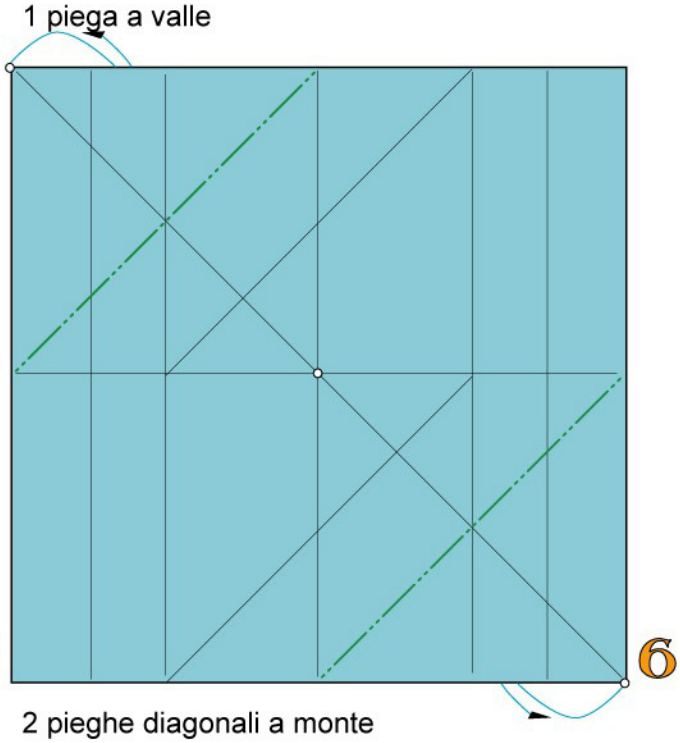
2 pieghe a monte



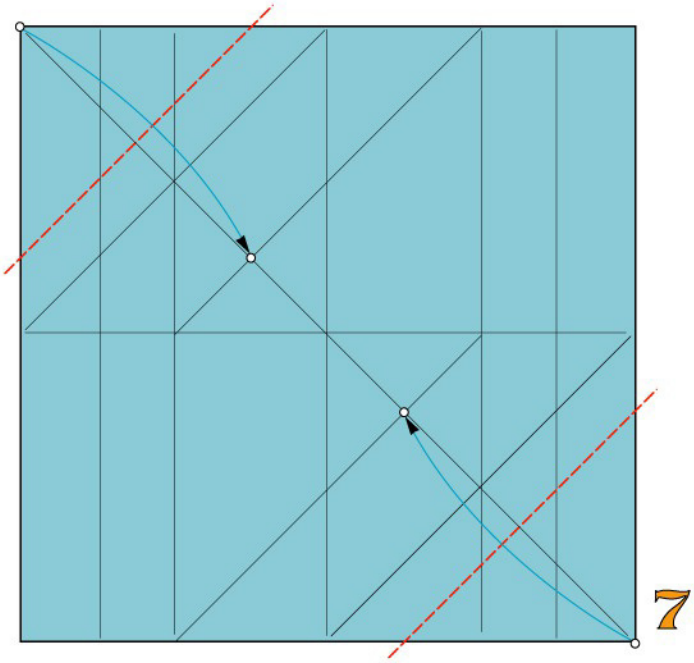
1 piega a valle



2 pieghe a valle

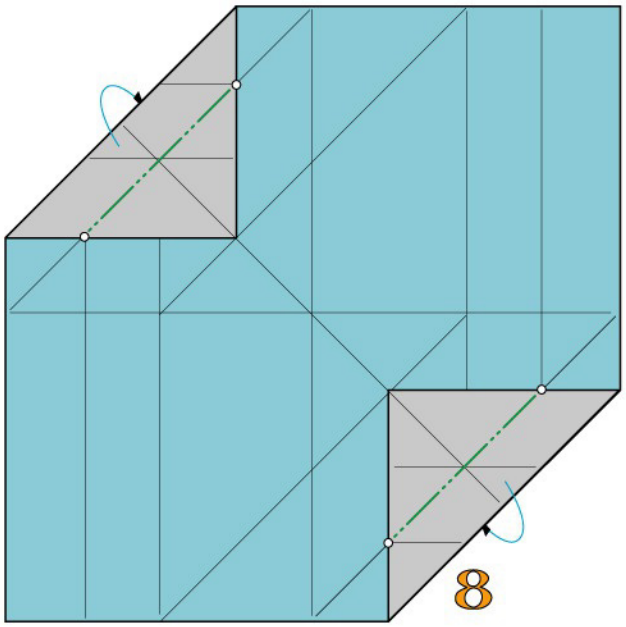


2 pieghe diagonali a monte



7

2 pieghe a valle



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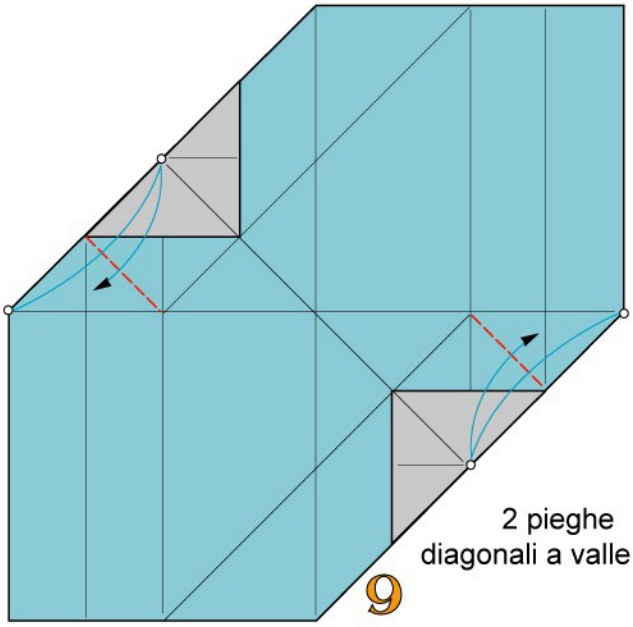
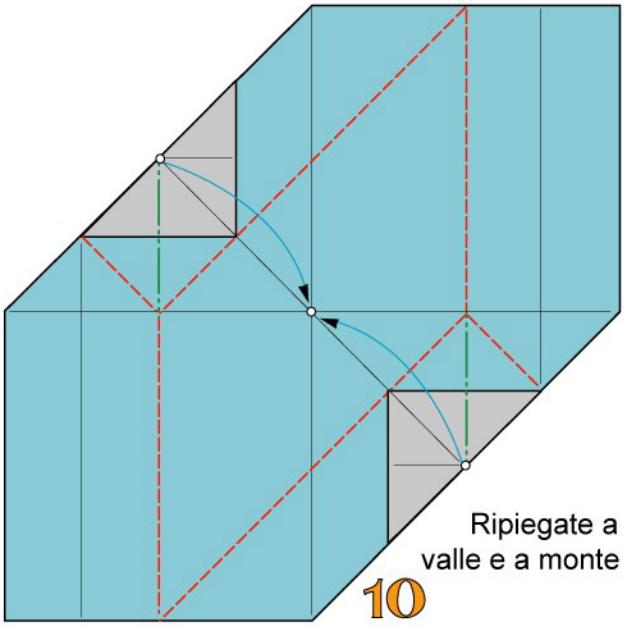
2 pieghe a monte



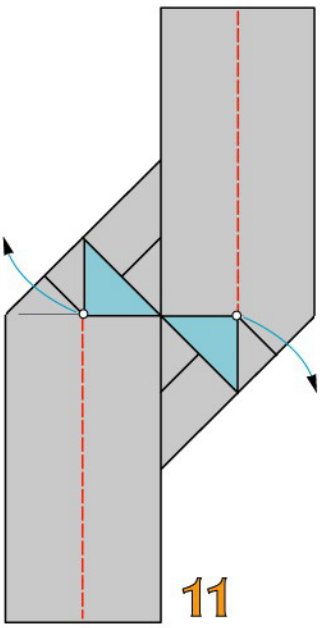
2 pieghe
diagonali a valle

9



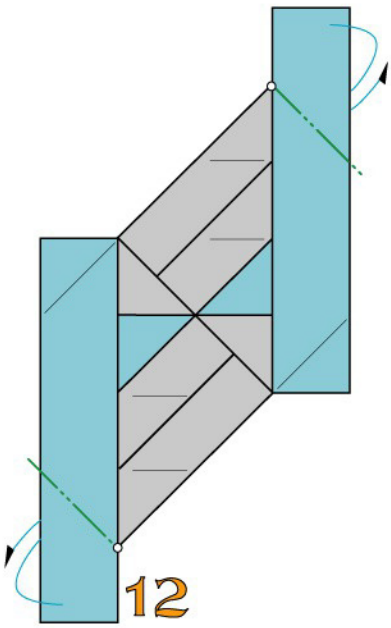
Ripiegate a
valle e a monte

10



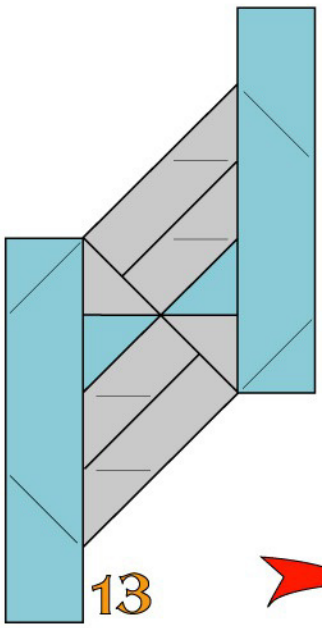
11

Aprite ripiegando a valle e a monte



12

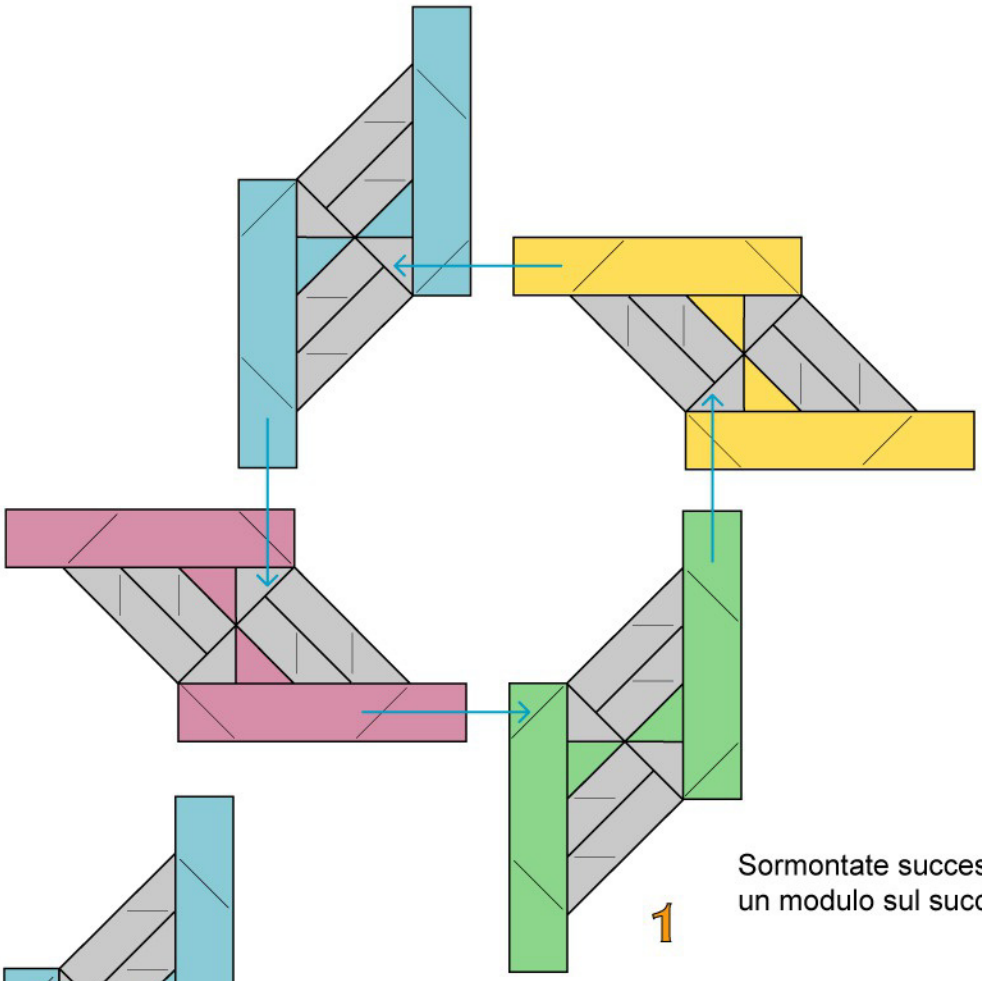
2 pieghe a monte



13

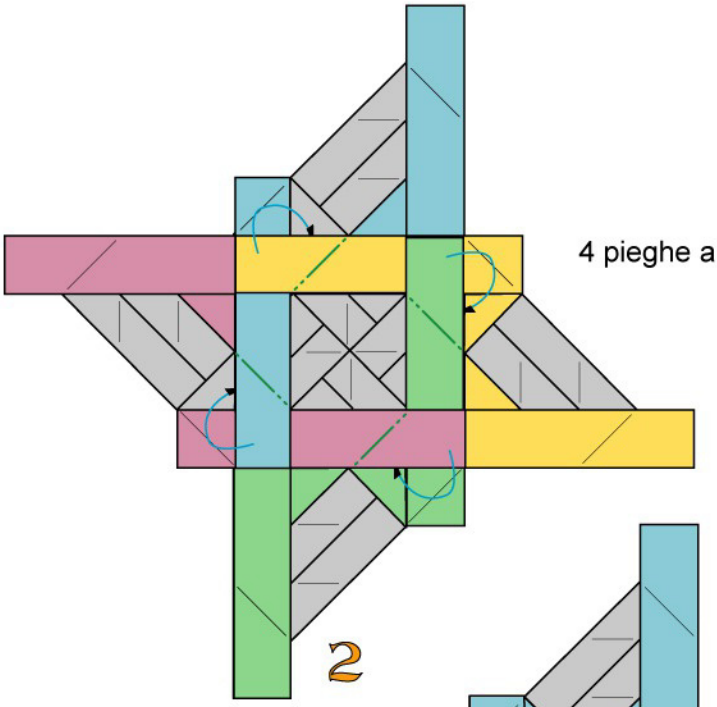
Modulo per tassellazioni “D6”
ultimato

UNIONE DI 4 MODULI PER CREARE UN MODULO COMPOSTO



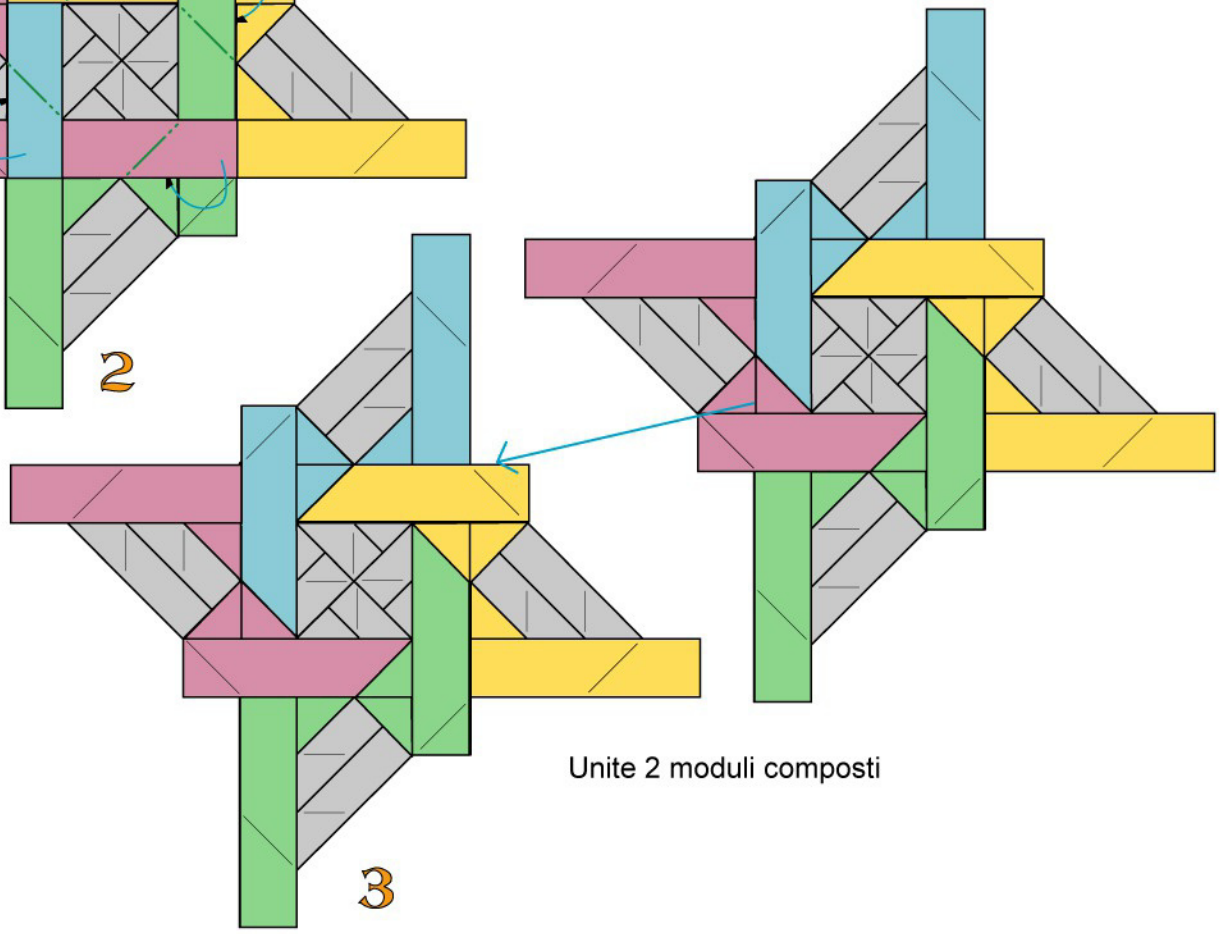
Sormontate successivamente
un modulo sul successivo

1



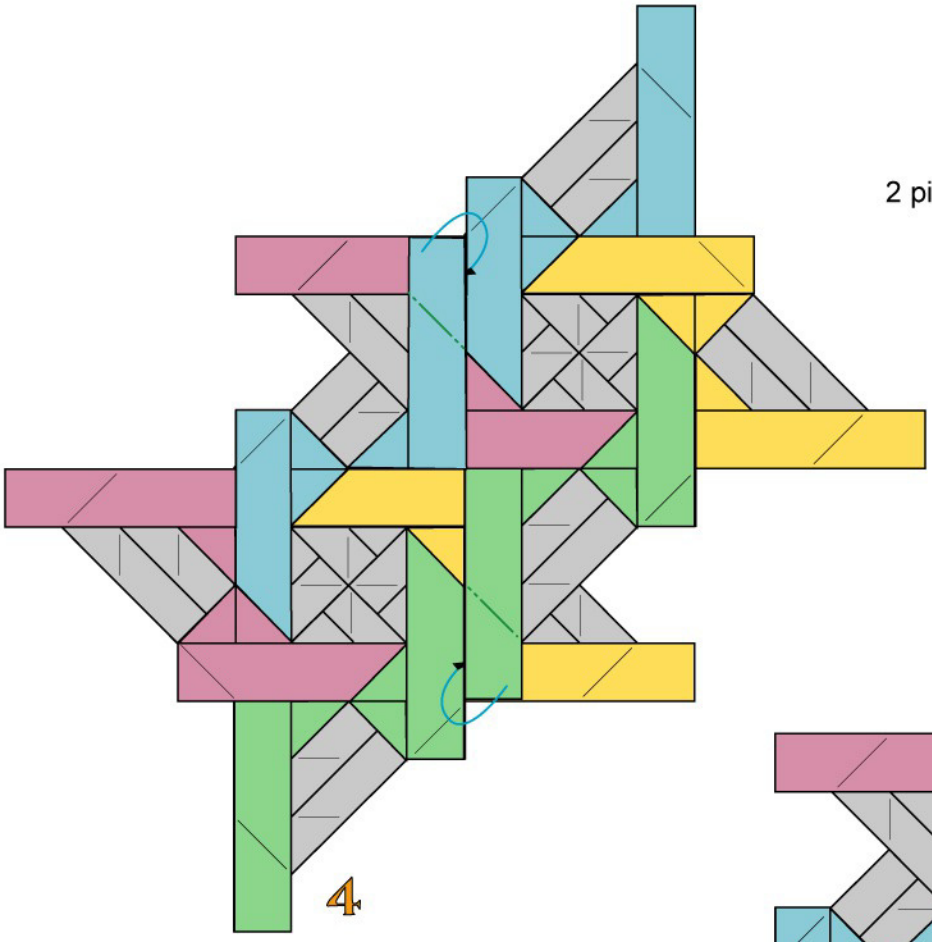
4 pieghe a monte e intascate

2



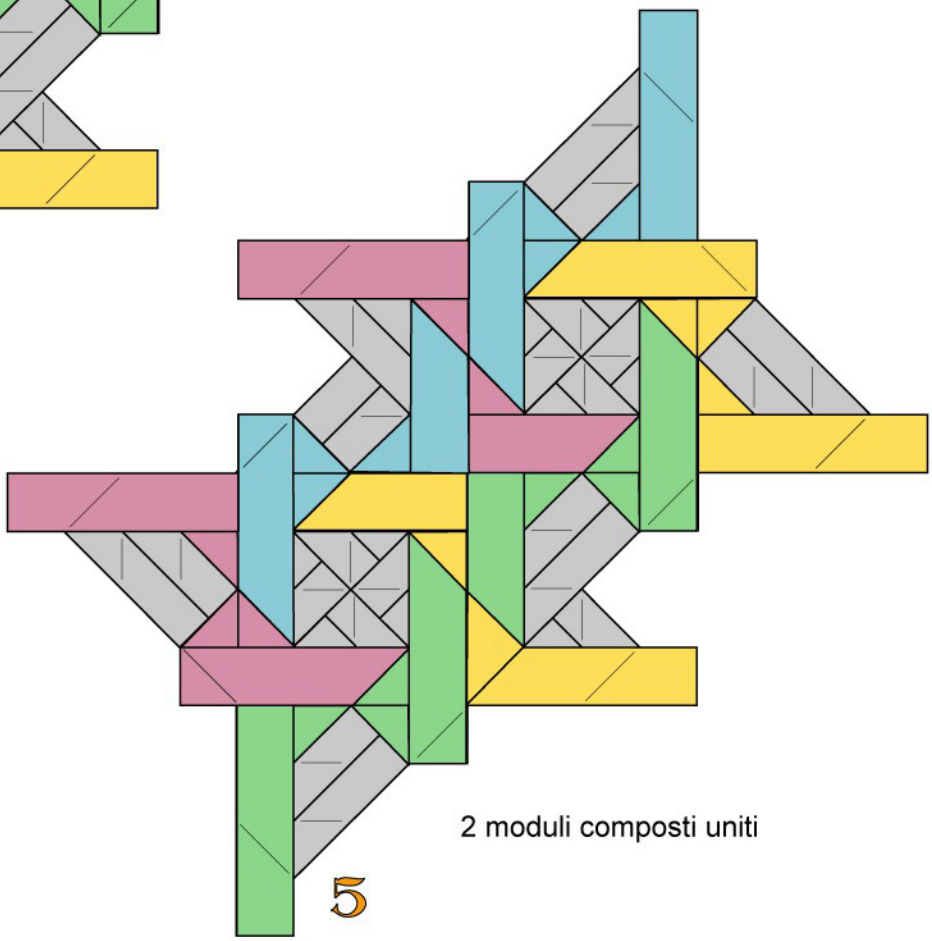
Unite 2 moduli composti

3



2 pieghe a monte intascando

4



2 moduli composti uniti

5

TASSELLAZIONE "E" 3D MODULARE COMPATTA

Franco Pavarin 24

Tassellazione con 4 varianti. Ogni tassellazione è costruita unendo alternativamente file di moduli destri e file di moduli sinistri, uguali ma simmetrici.
Adoperate fogli di carta monocolore di medio peso delle dimensioni di cm 7,5 x15

Tessellation with 4 variations.

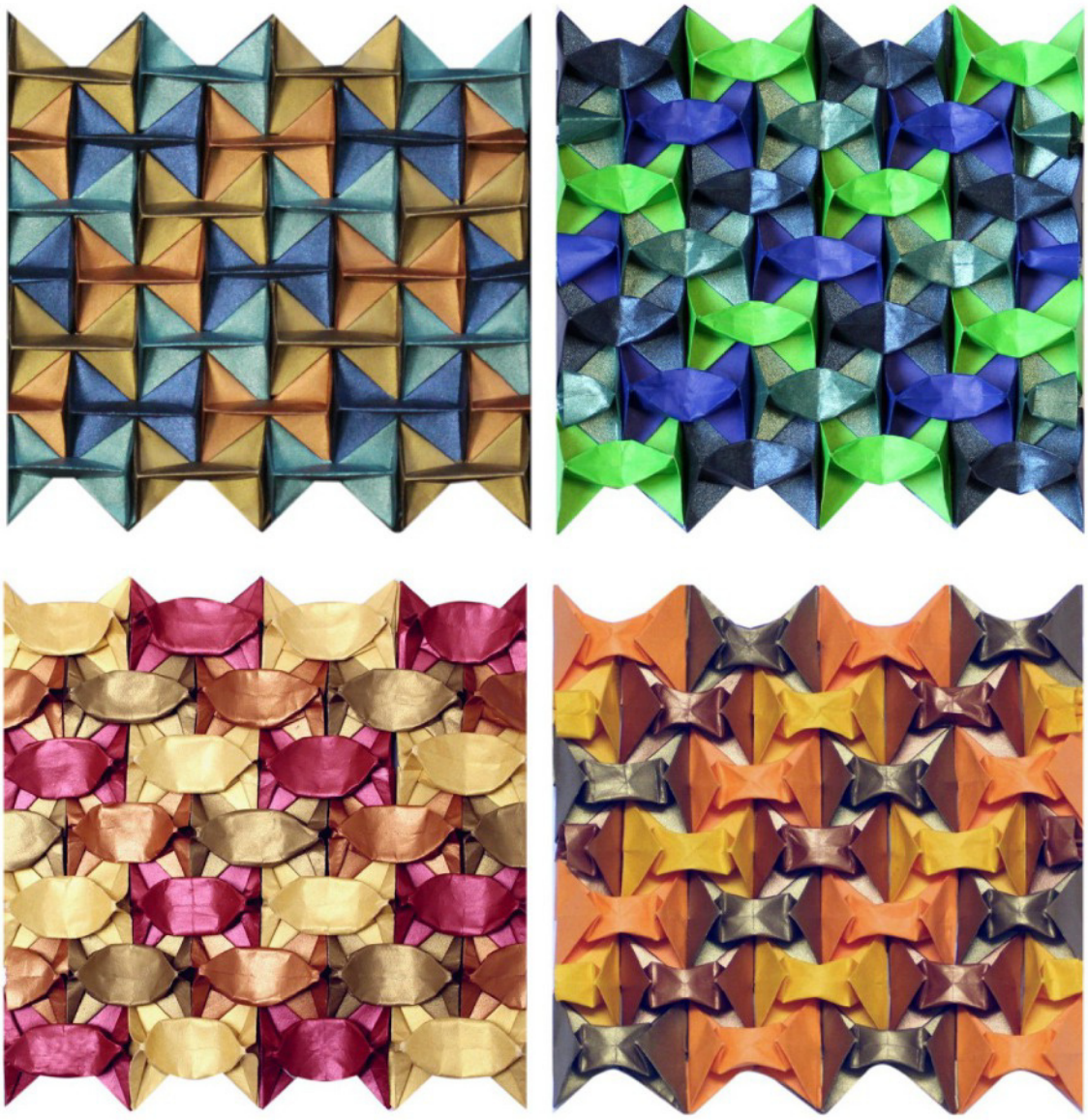
Each tessellation is constructed by alternately joining rows of right modules and rows of left modules, equal but symmetrical.

Use sheets of medium-weight single-colour paper measuring 7.5 x 15 cm

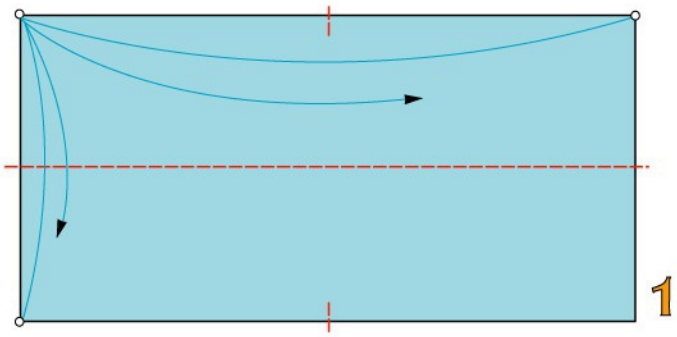
Teselado con 4 variaciones.

Cada mosaico se construye uniendo alternativamente filas de módulos derechos y filas de módulos izquierdos, iguales pero simétricas.

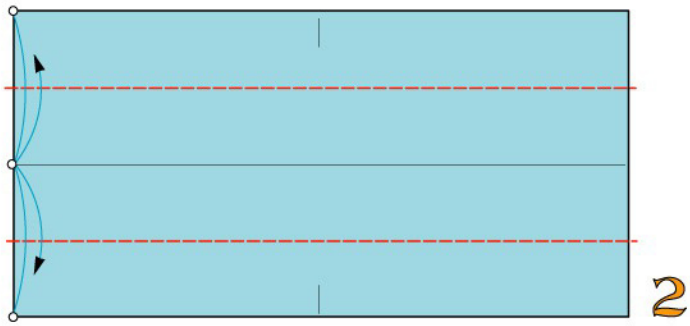
Utilice hojas de papel monocolor de gramaje medio y de 7,5 x 15 cm.



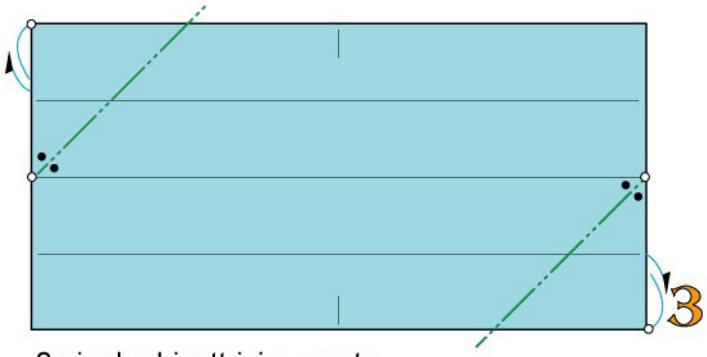
MODULO “Ea” DESTRO



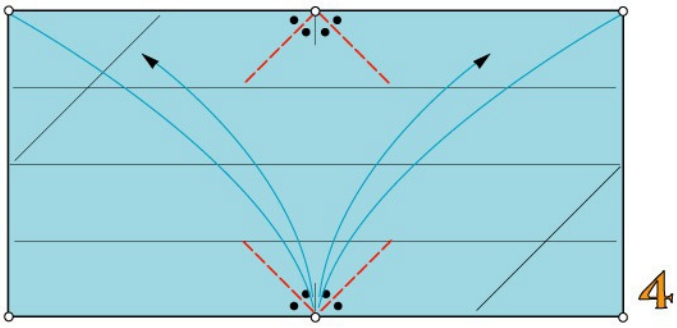
3 pieghe a valle



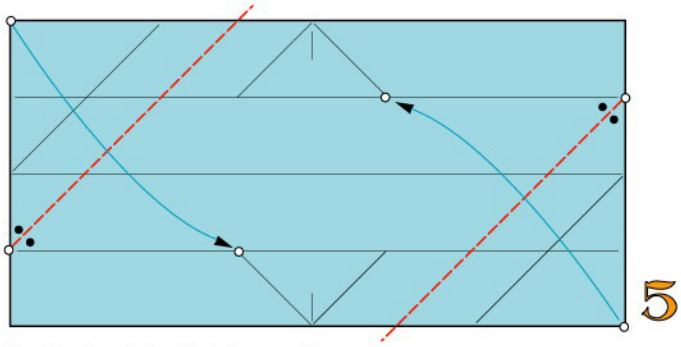
2 pieghe a valle



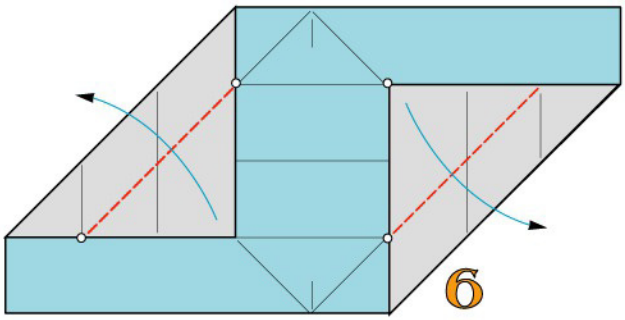
2 pieghe bisettrici a monte



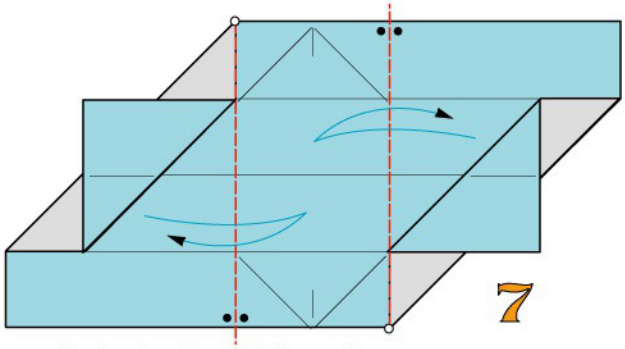
4 pieghe bisettrici a valle



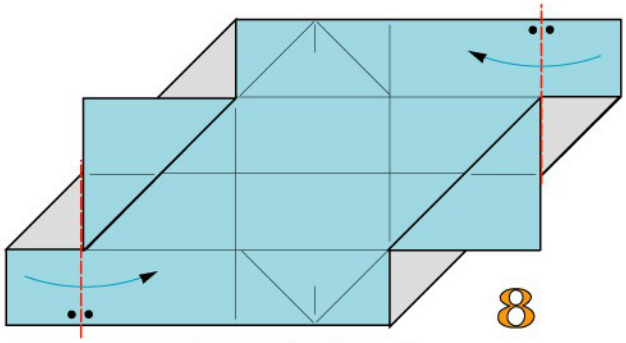
2 pieghe bisettrici a valle



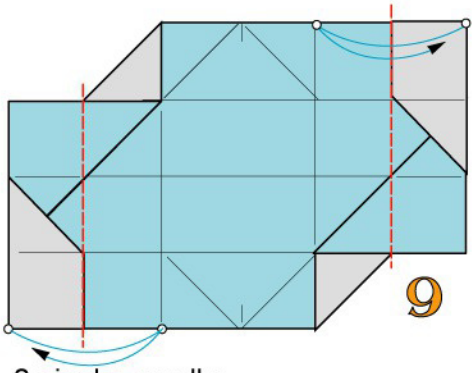
2 pieghe a valle



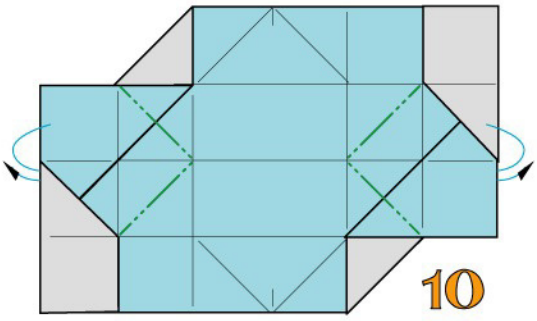
2 pieghe bisettrici a valle



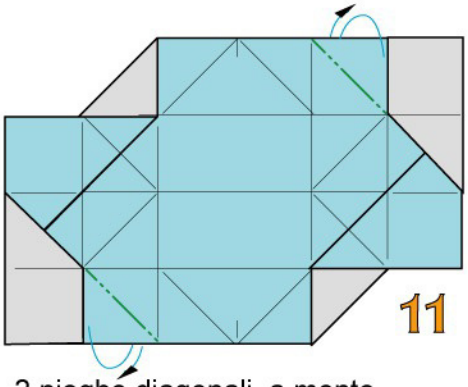
2 pieghe bisettrici a valle



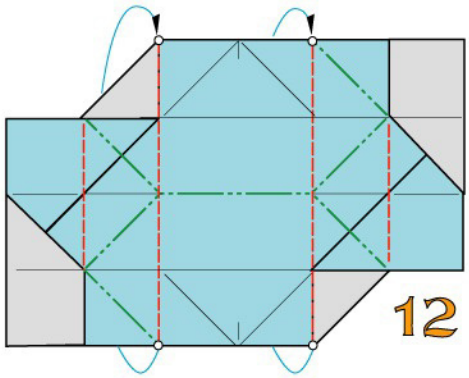
2 pieghe a valle



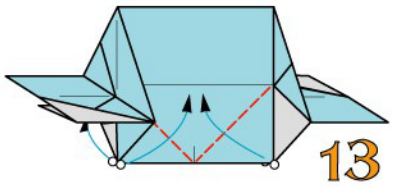
4 pieghe diagonali a monte



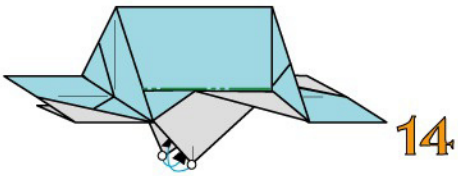
2 pieghe diagonali a monte



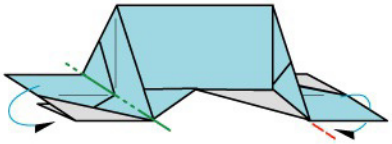
Ripiegate a valle e a monte



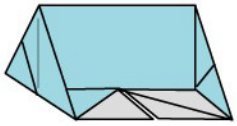
Ripiegate a valle



Intascate i 2 vertici indicati

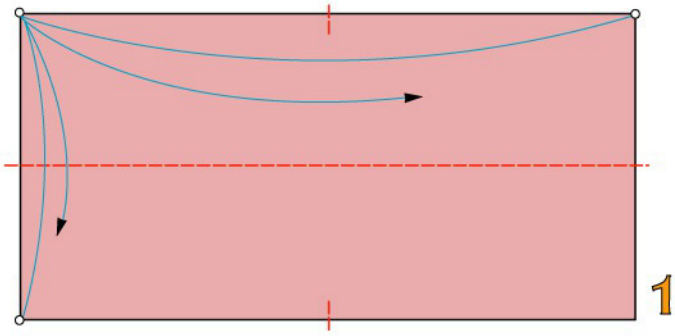


Ripiegate a monte

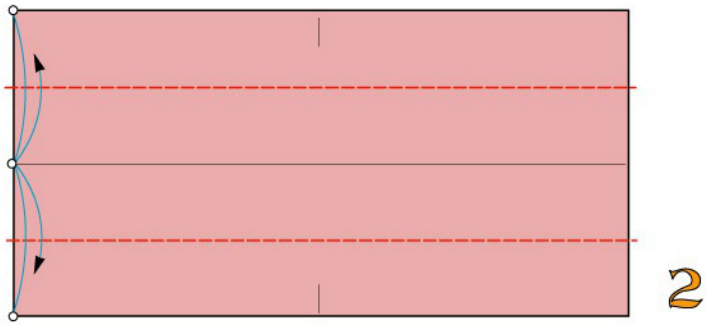


Modulo per poliedro C6 ultimato

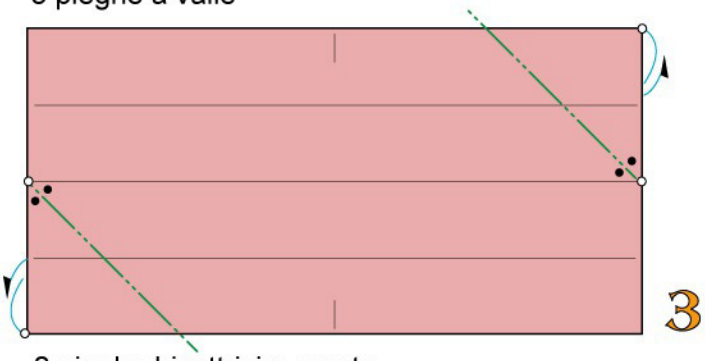
MODULO “Ea” SINISTRO



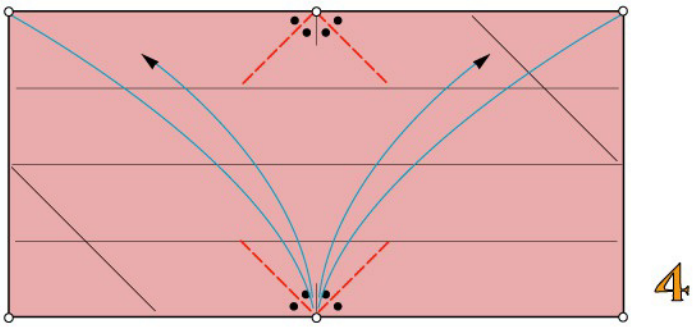
3 pieghe a valle



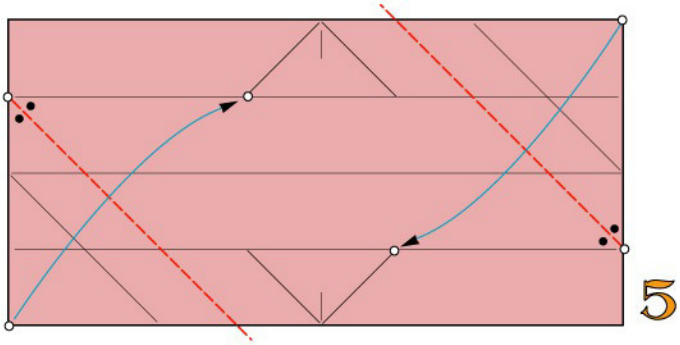
2 pieghe a valle



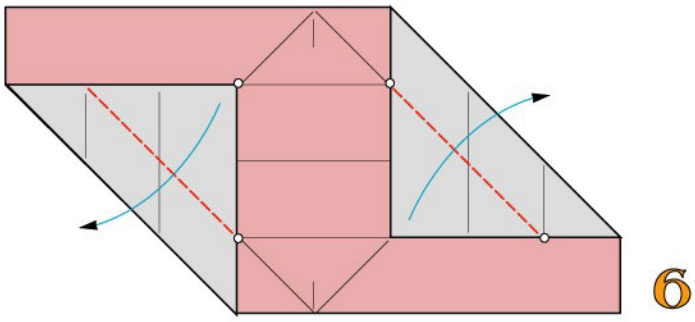
2 pieghe bisettrici a monte



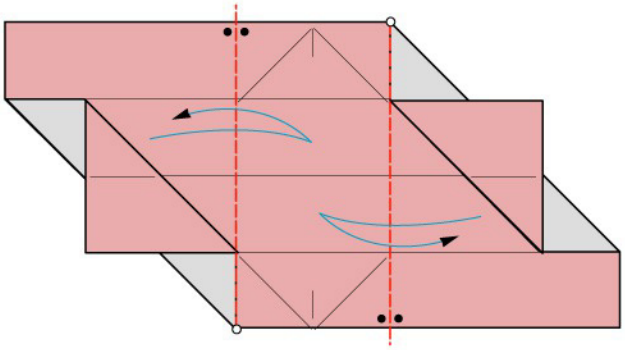
4 pieghe bisettrici a valle



2 pieghe bisettrici a valle



2 pieghe a valle



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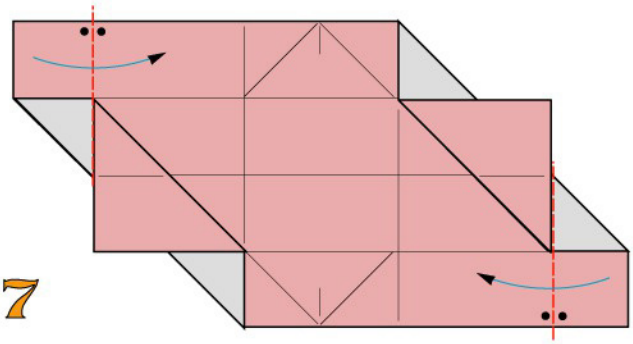
2 pieghe bisettrici a valle



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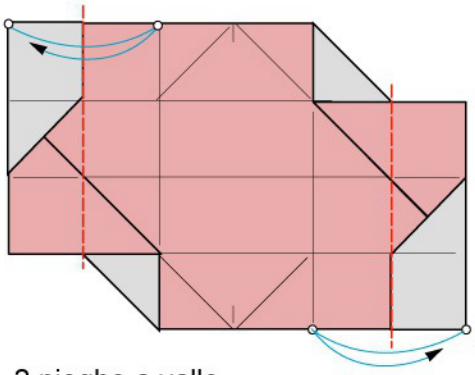
2 pieghe bisettrici a valle



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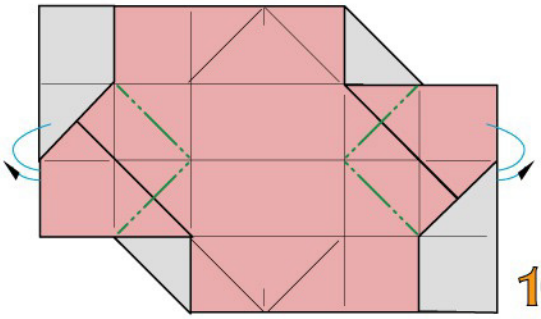
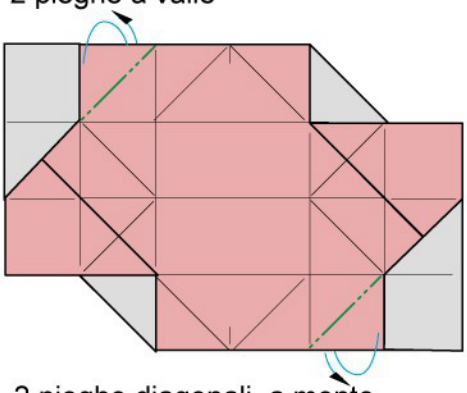
2 pieghe a valle



10

4 pieghe diagonali a monte



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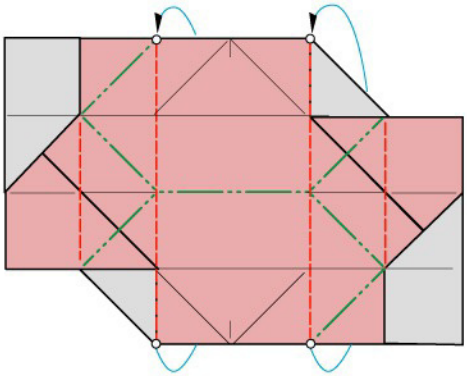
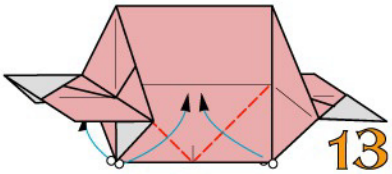
2 pieghe diagonali a monte



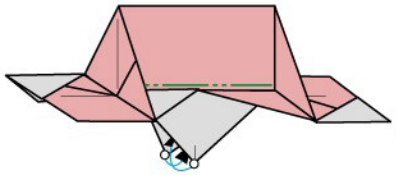
12

Ripiegate a valle e a monte



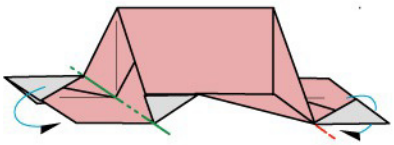
13

Ripiegate a valle



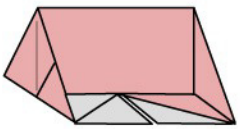
14

Intascate i 2 vertici indicati



15

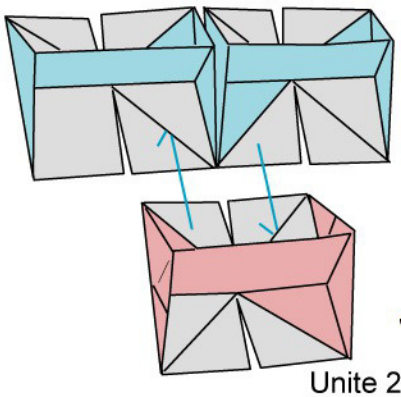
Ripiegate 2 volte a monte



16

Modulo per tassellazione “Ea” ultimato

UNIONE DEI MODULI



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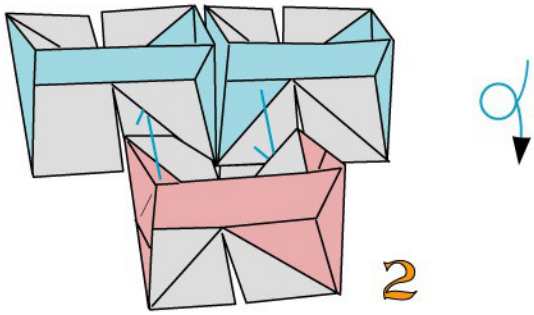
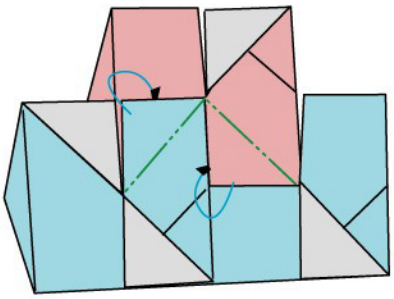


2

Unite 2 moduli “Ea” destri con
un modulo “Ea” sinistro e ribaltate



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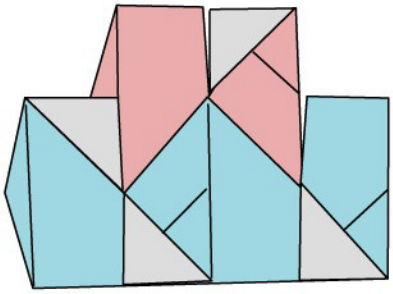

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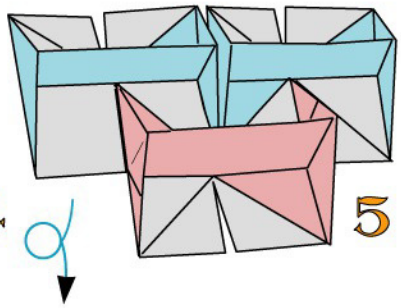
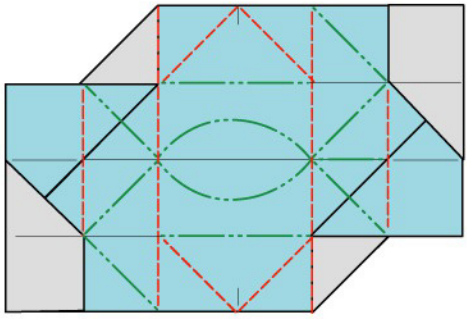


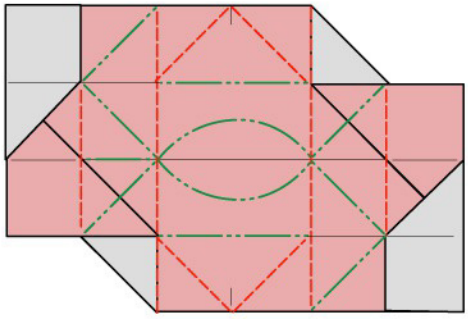
5

Mediante 2 pieghe a monte bloccate l’unione

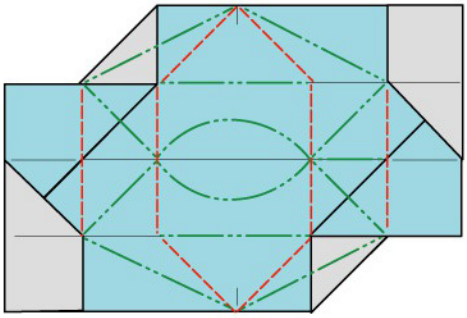
3 moduli per tassellazione “Ea”uniti

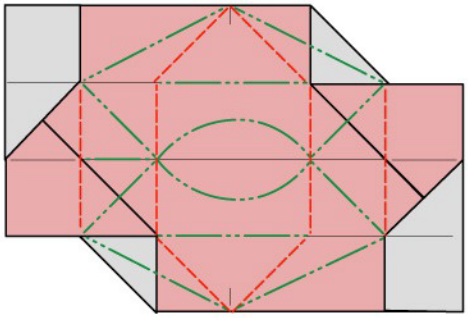
MODULO “Eb”



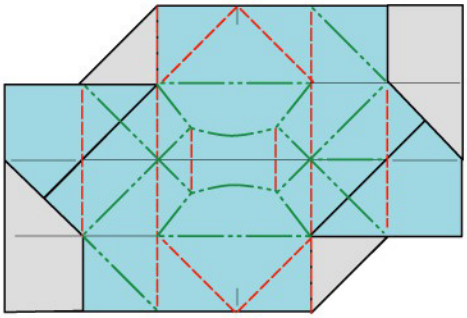


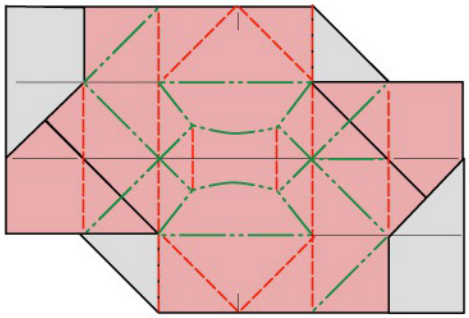
MODULO “Ec”





MODULO “Ed”

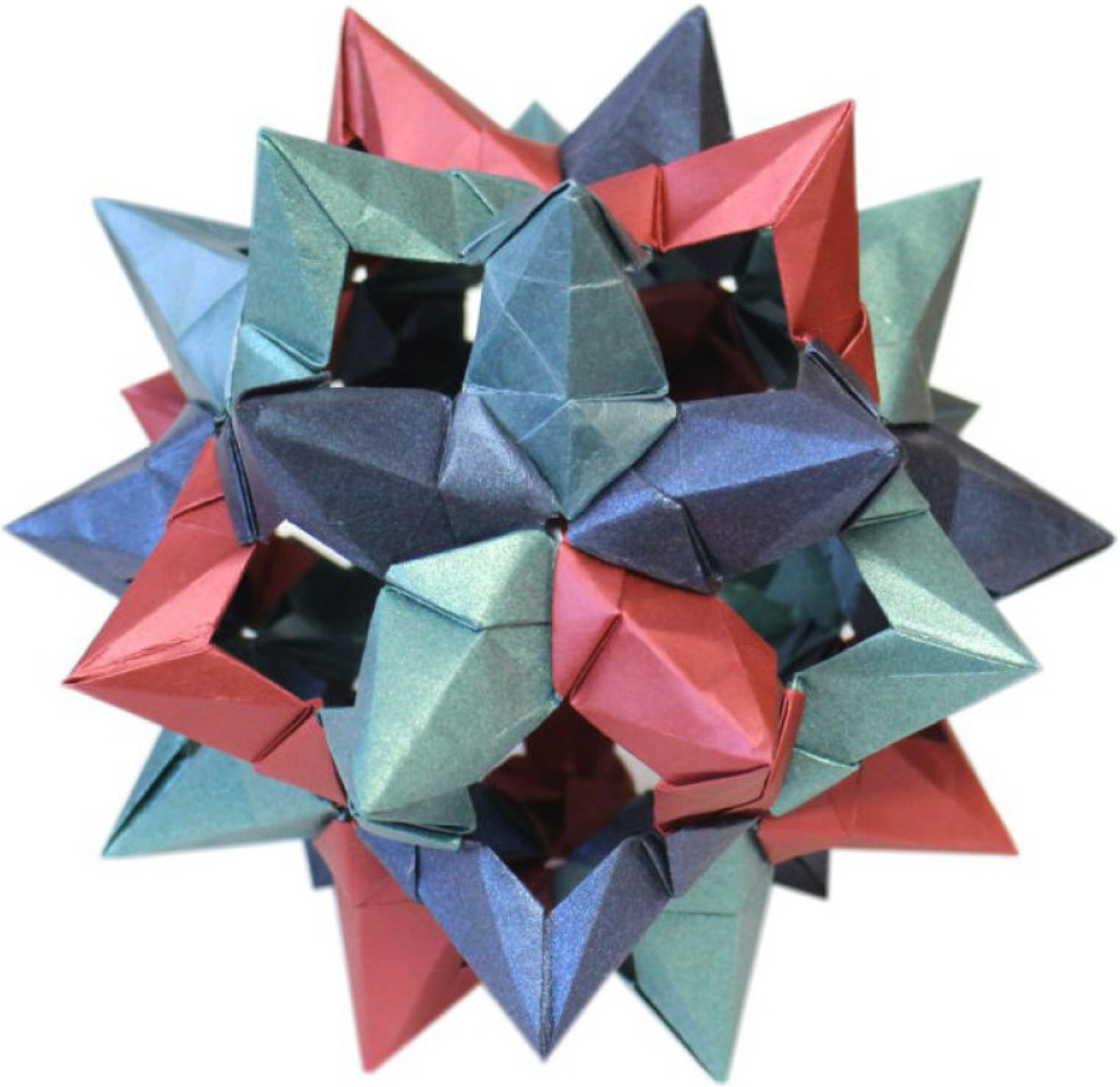


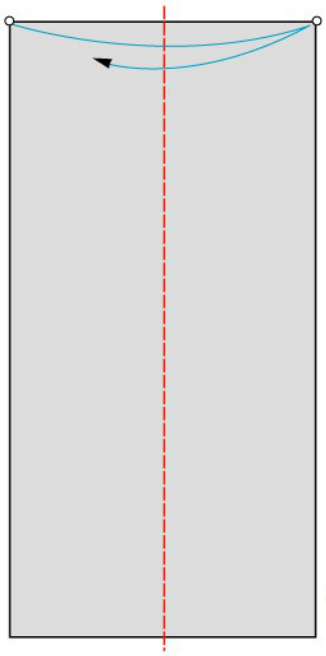


POLIEDRO "A" TRAFORATO

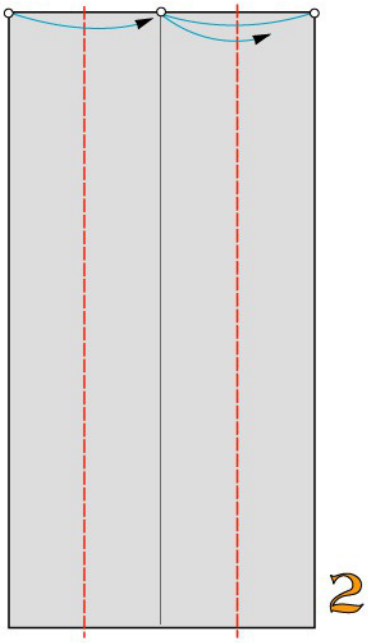
Franco Pavarin 24

Con questo modulo è possibile costruire molti poliedri.
In questo caso si tratta di un icosaedro.
Adoperate 30 fogli di carta monocolore di medio peso delle dimensioni di cm 7,5x15

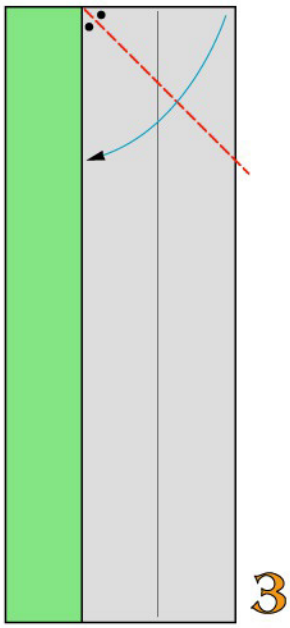




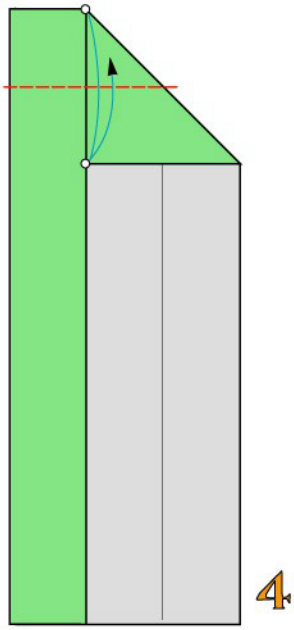
1 piega a valle



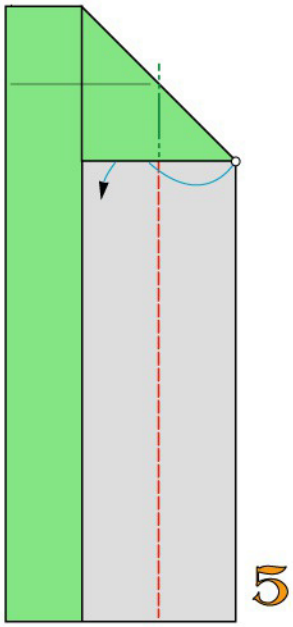
2 pieghe a valle



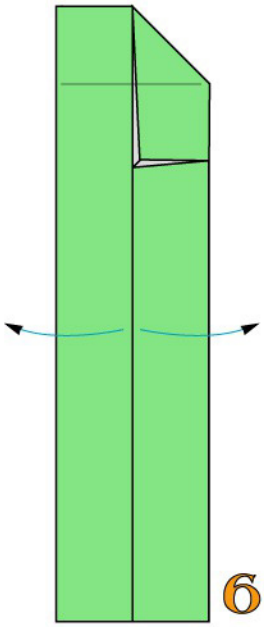
1 piega bisettrice a valle



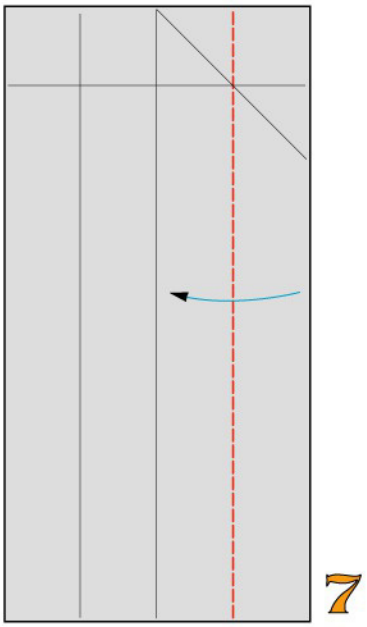
1 piega a valle



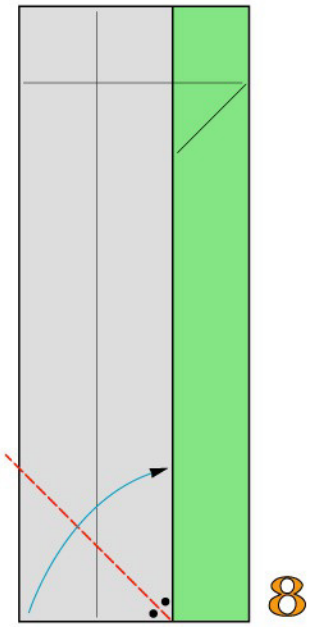
1 piega rovescia interna



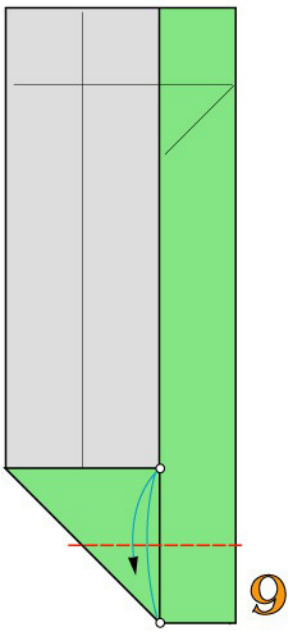
Aprite



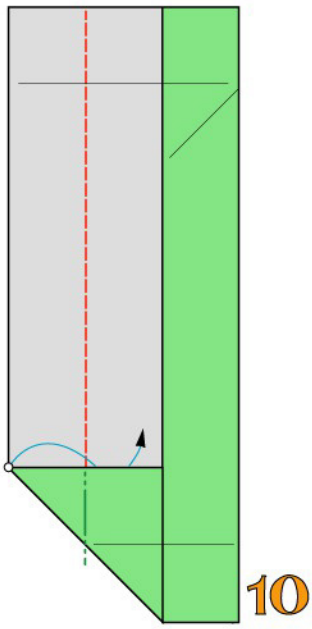
Ripiegate a valle



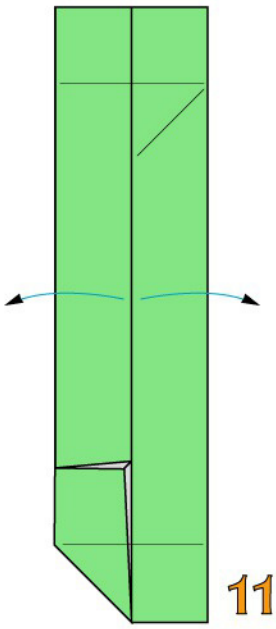
1 piega bisettrice a valle



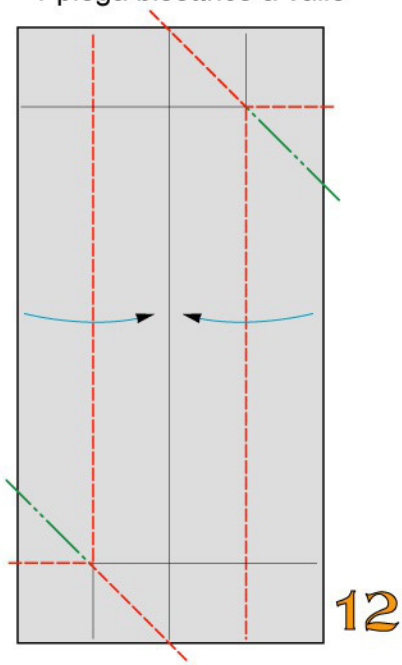
1 piega a valle



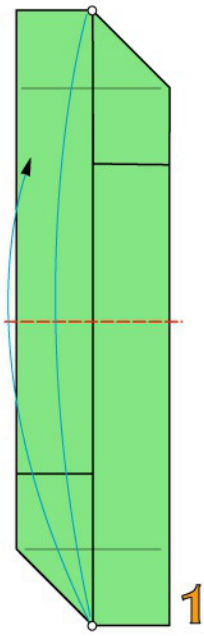
1 piega rovescia interna



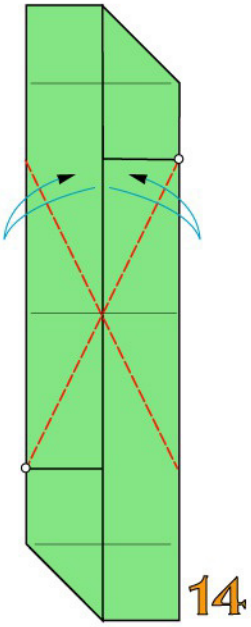
Aprite



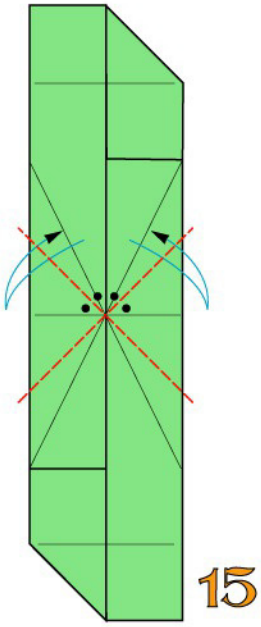
Ripiegate a valle e a monte



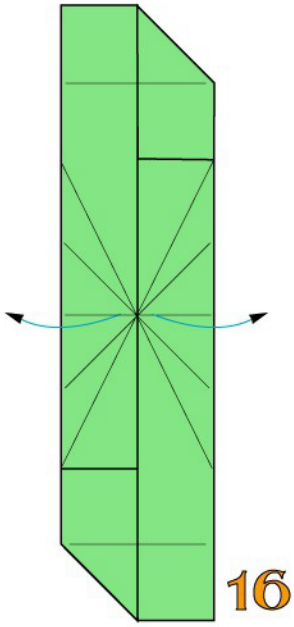
1 piega a valle



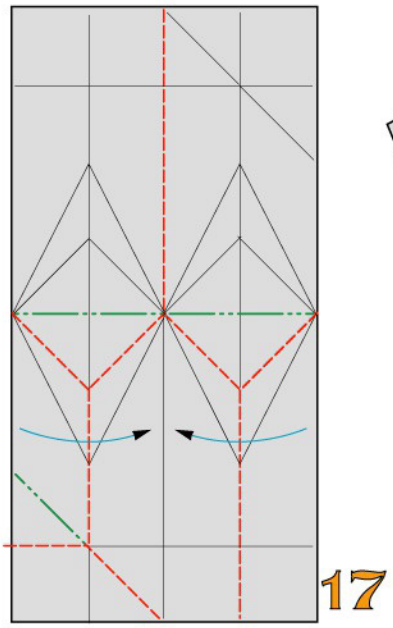
2 pieghe a valle



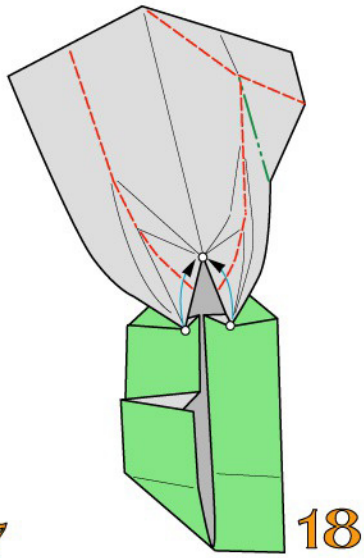
2 pieghe bisettrici a valle



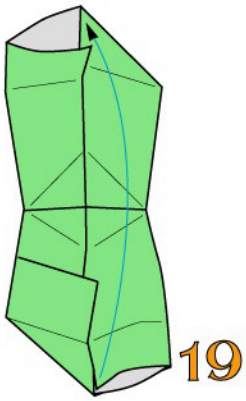
Aprite



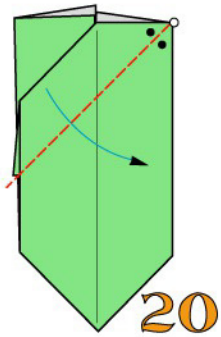
Ripiegate a valle e a monte modellando 3D



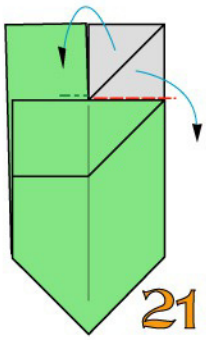
Ripiegate a valle e a monte



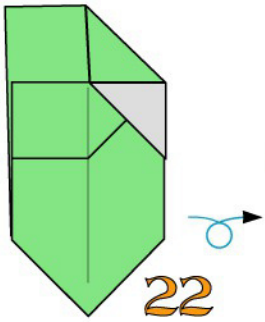
Richiudete



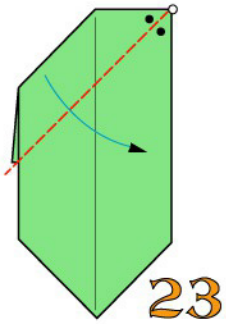
1 piega bisettrice a valle



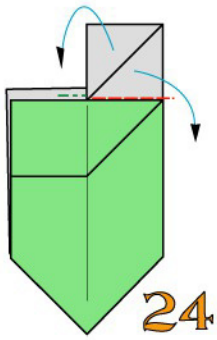
1 piega rovescia esterna



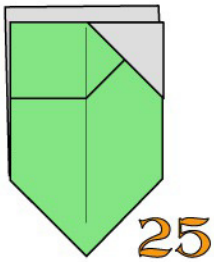
Ribaltate



1 piega bisettrice a valle

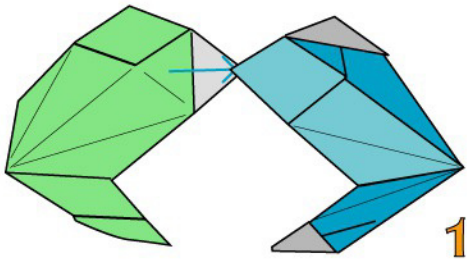


1 piega rovescia esterna

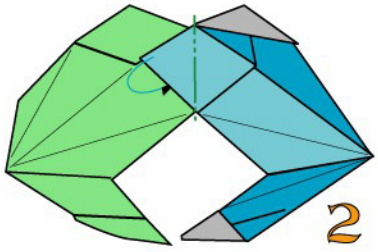


Modulo per poliedro A6 ultimato

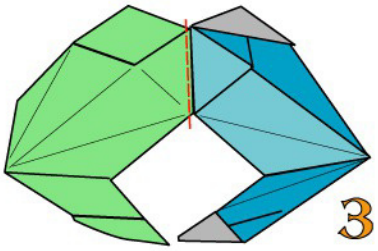
UNIONE DEI MODULI



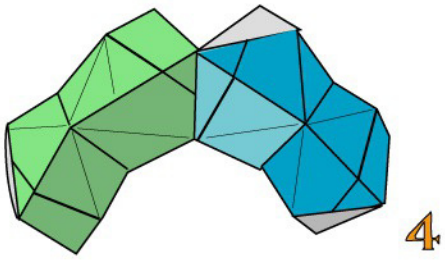
Inserite un modulo entro la tasca dell'altro



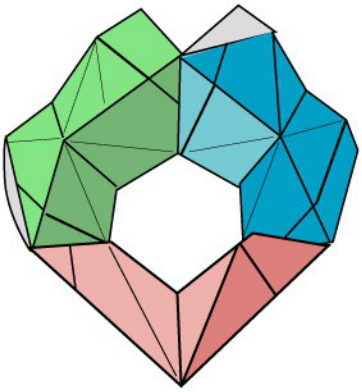
Mediante una piega a monte bloccate l'unione



1 piega a valle



2 moduli uniti

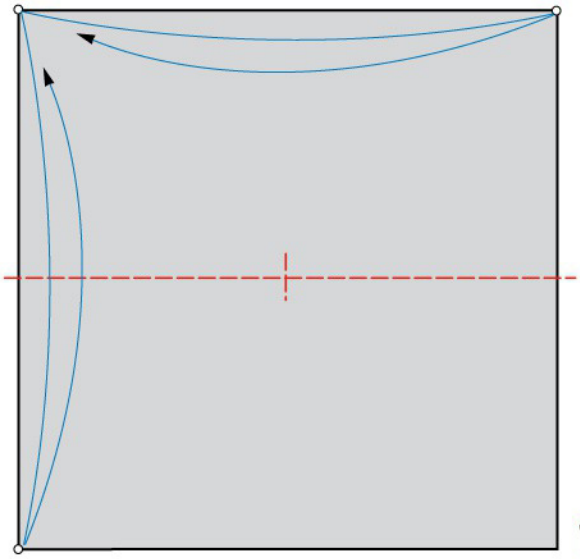


Con lo stesso procedimento aggiungete altri moduli

POLIEDRO "B" TRAFORATO

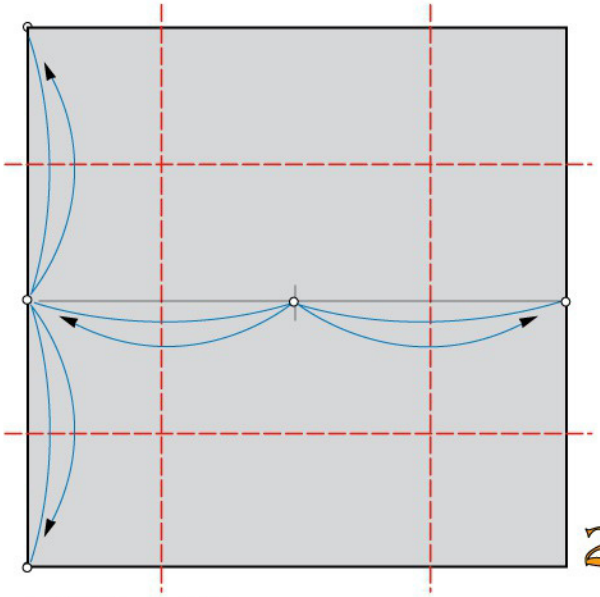
Franco Pavarin 24

Con questo modulo è possibile costruire molti poliedri.
In questo caso si tratta di un icosaedro.
Adoperate 30 fogli di carta bicolore di medio peso delle dimensioni di cm 10x10



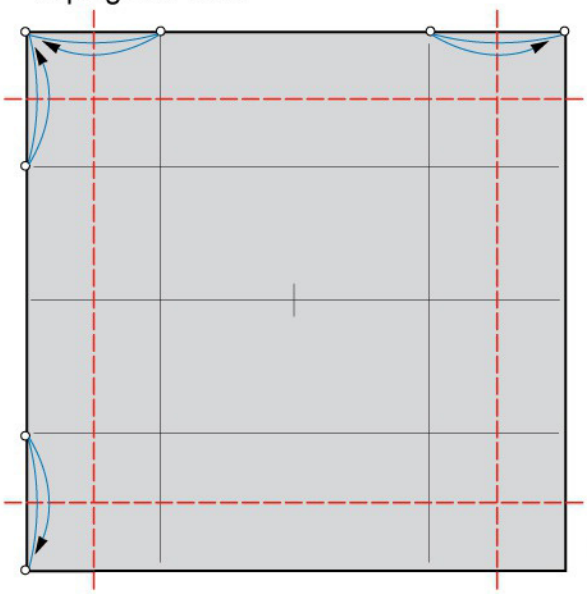
1

2 pieghe a valle



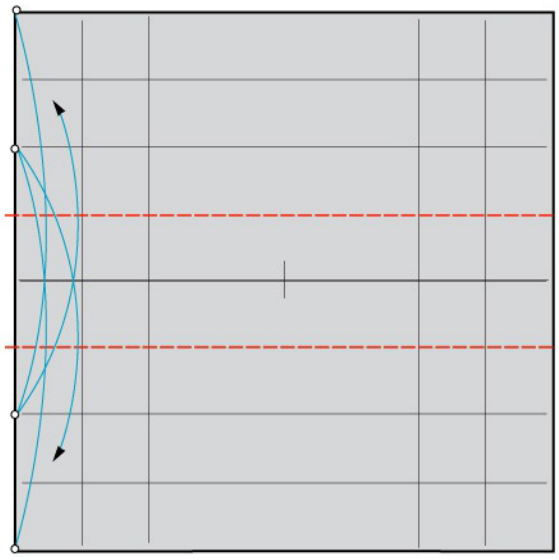
2

4 pieghe a valle



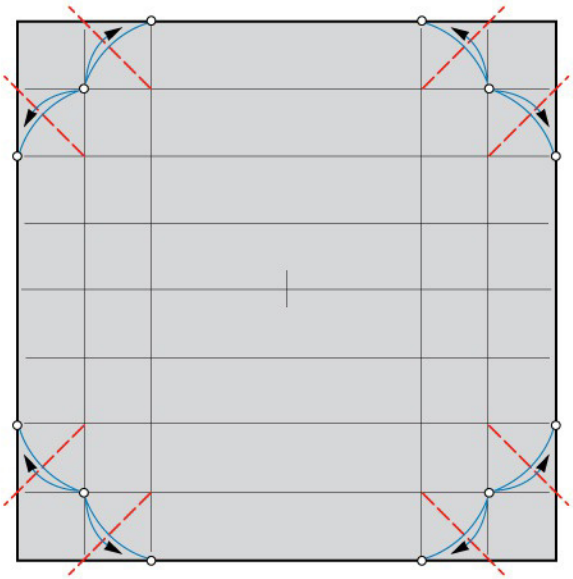
3

4 pieghe a valle



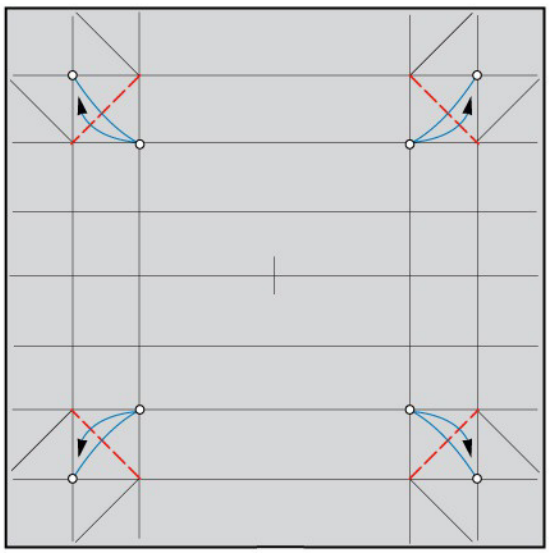
4

2 pieghe a valle



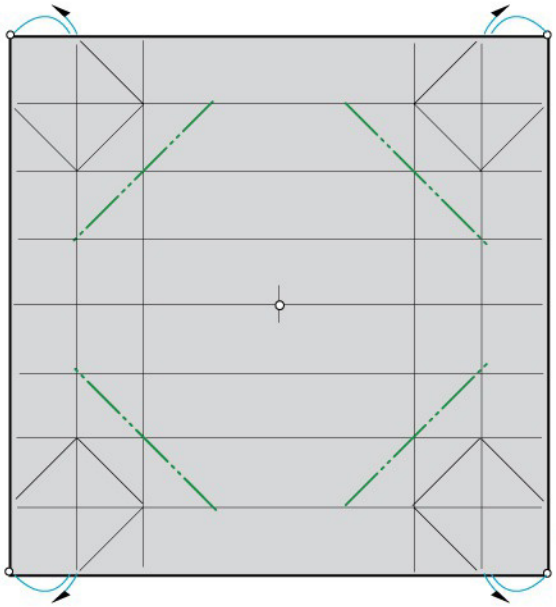
5

8 pieghe diagonali a valle



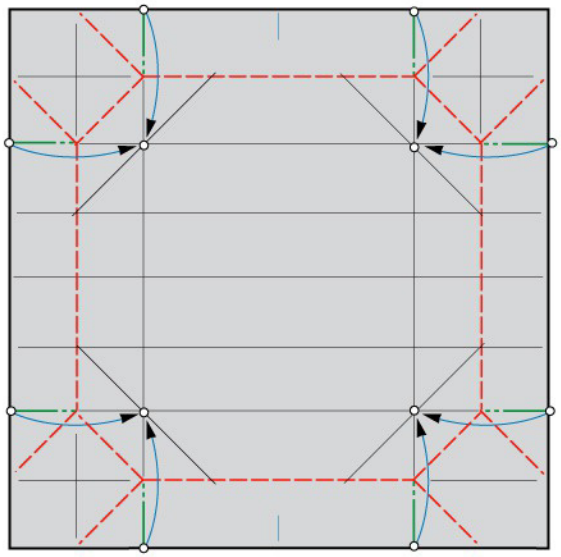
6

4 pieghe diagonali a valle



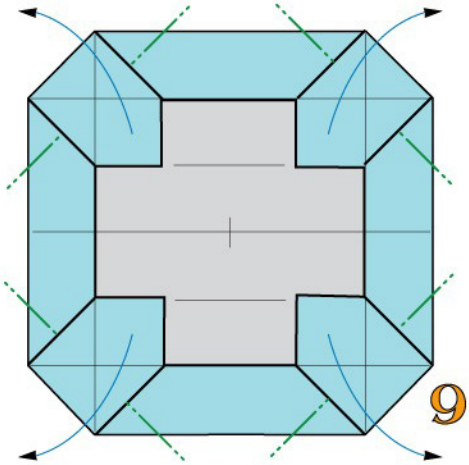
7

4 pieghe a monte



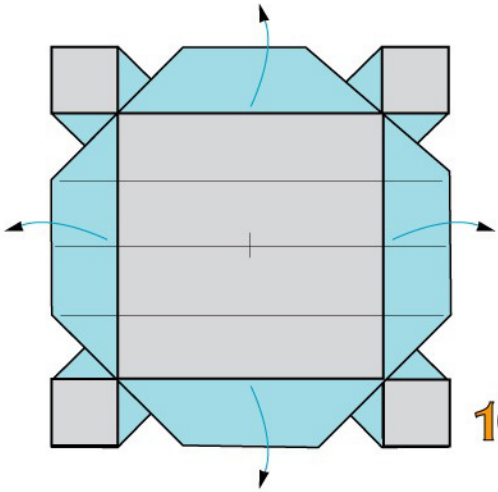
8

Ripiegate a valle e a monte



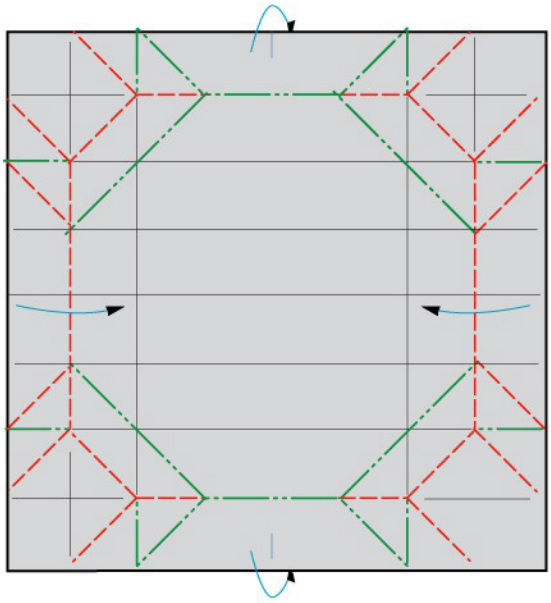
9

4 pieghe a monte



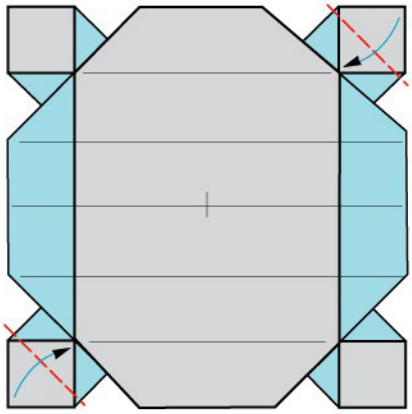
10

Aprite



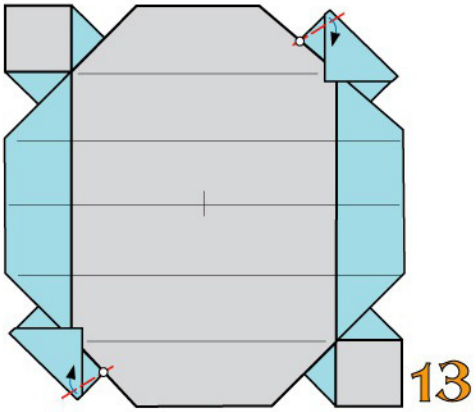
11

Ripiegate a valle e a monte

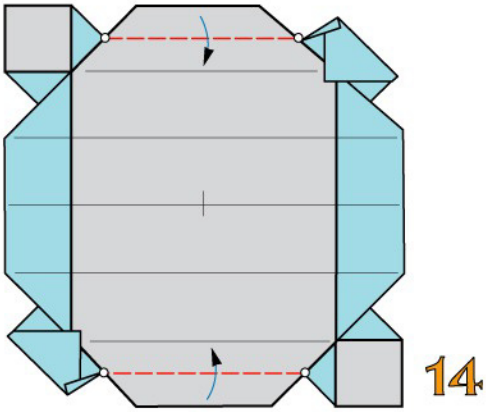


12

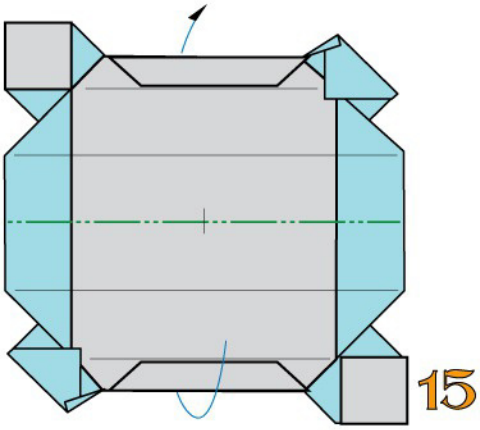
2 pieghe a valle



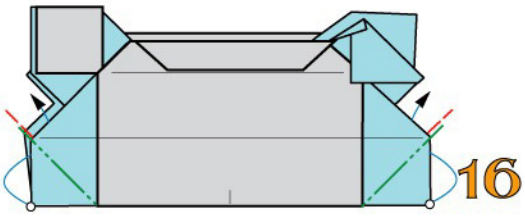
2 pieghe a valle



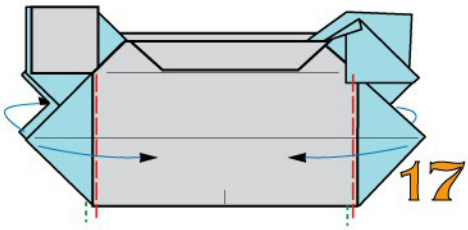
2 pieghe a valle



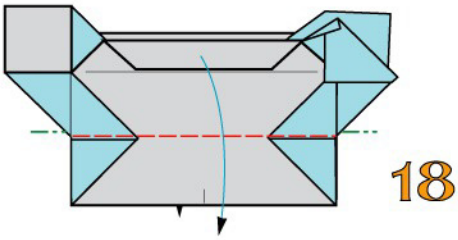
Ripiegate a monte



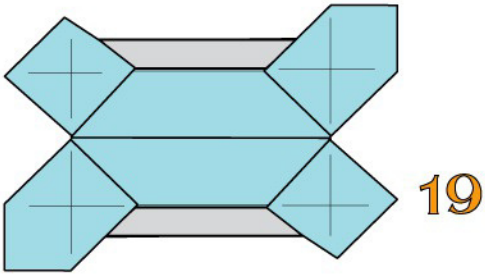
2 pieghe rovesce interne



4 pieghe a valle, 2 per lato

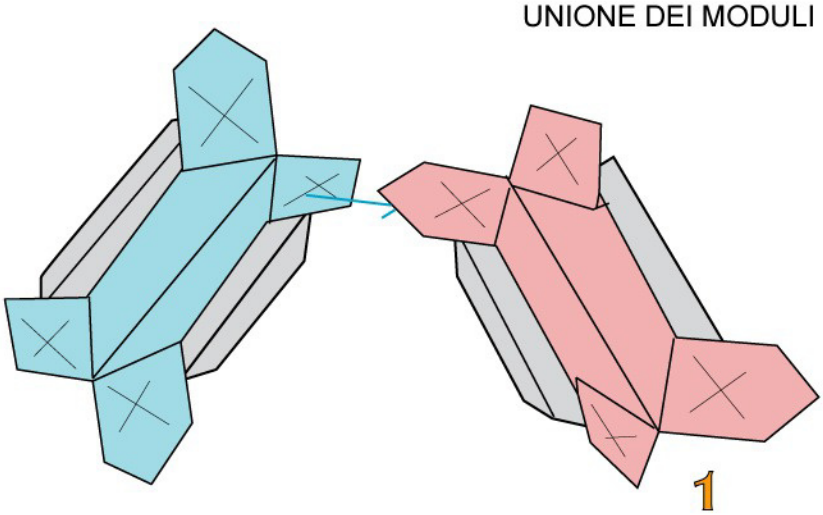


2 pieghe a valle, 1 per lato

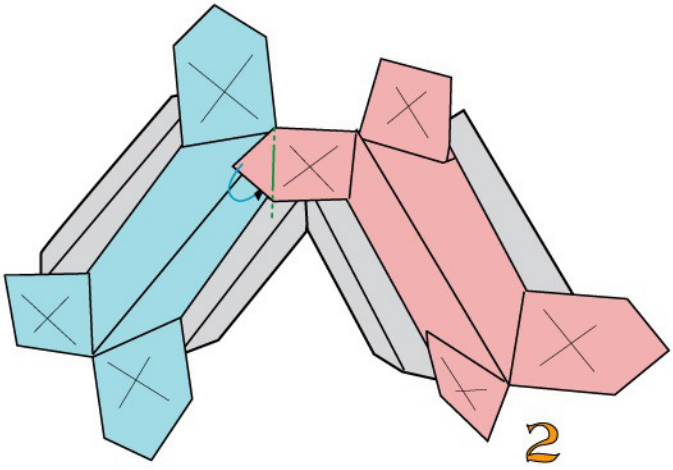


Modulo per poliedro B6 ultimato

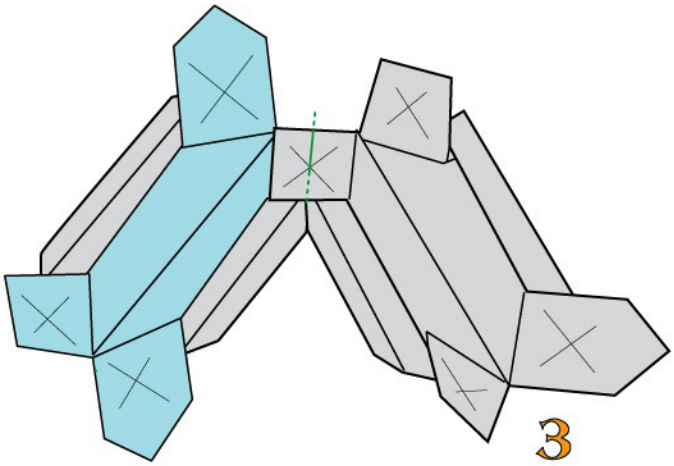
UNIONE DEI MODULI



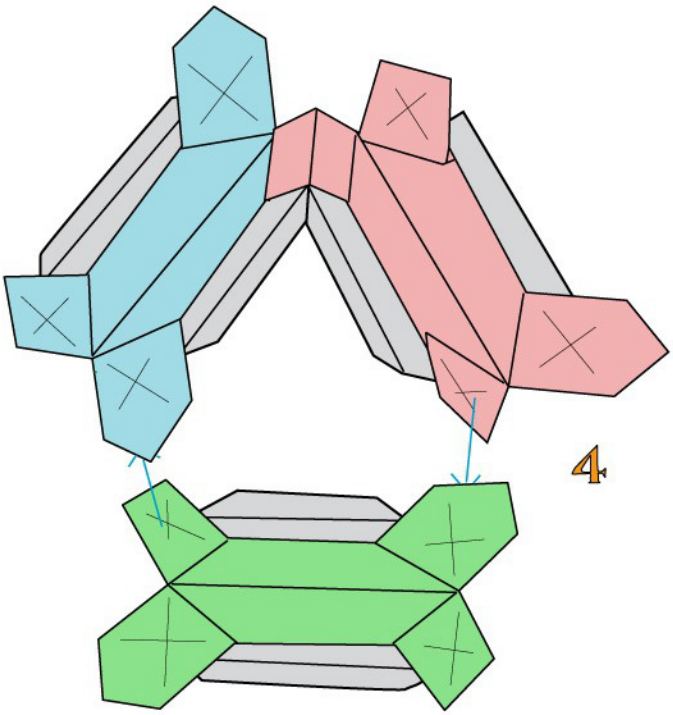
Inserite un modulo entro la tasca dell'altro



Mediante una piega a monte bloccate l'unione



1 piega a monte. Moduli uniti

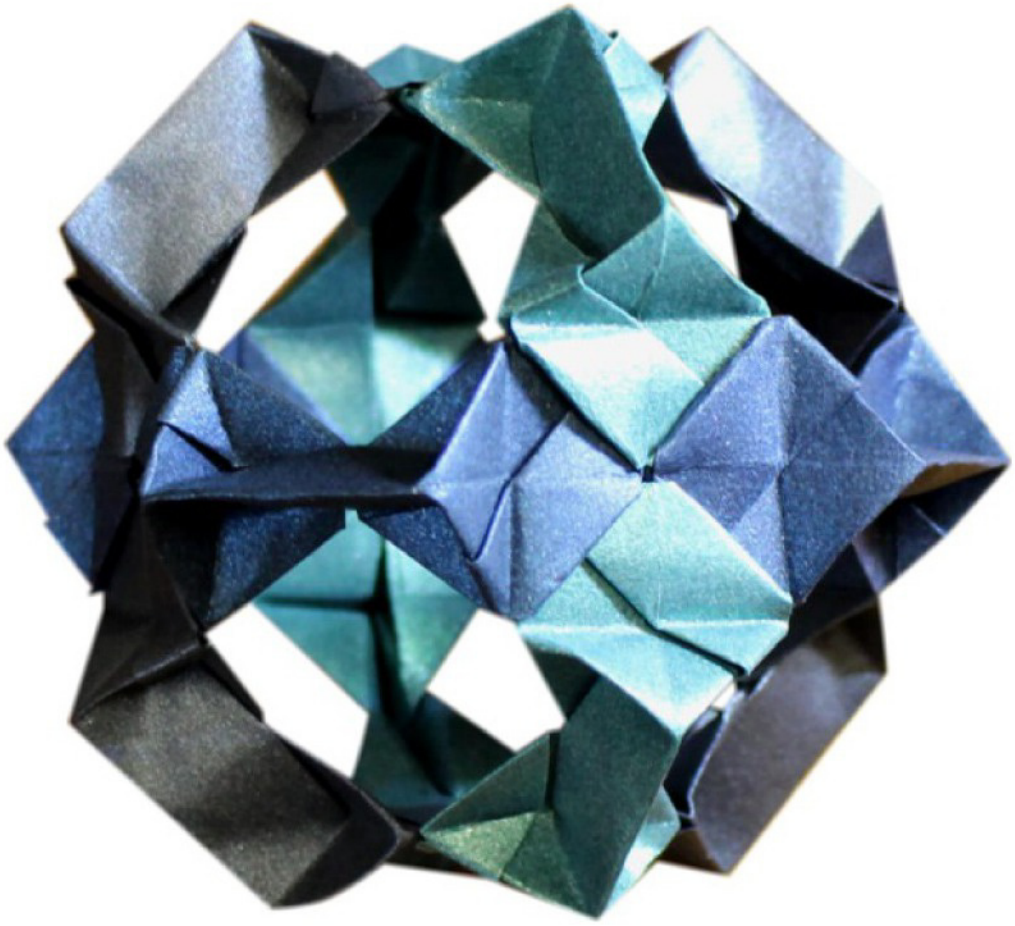


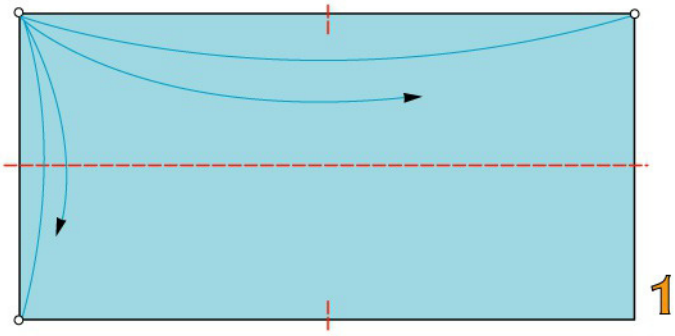
Con lo stesso procedimento aggiungete altri moduli

POLIEDRO "C" TRAFORATO

Franco Pavarin 24

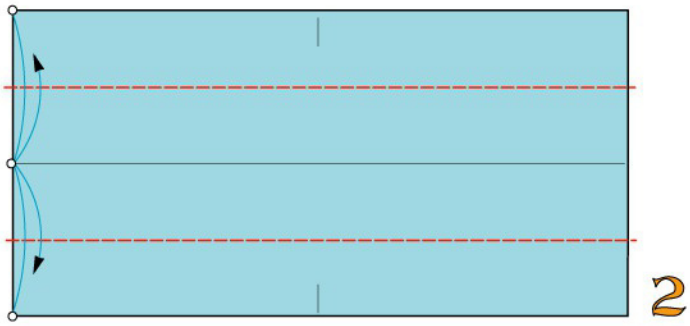
Con questo modulo è possibile costruire molti poliedri.
In questo caso si tratta di un cubo.
Adoperate 12 fogli di carta monocolore pesante delle dimensioni di cm 10x10





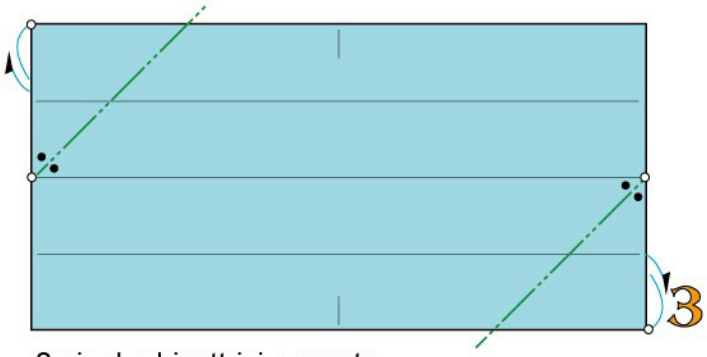
1

3 pieghe a valle

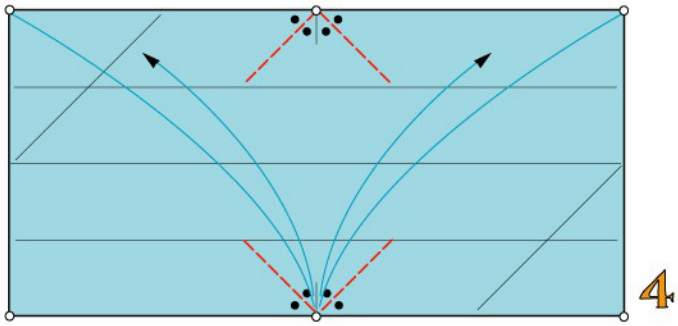


2

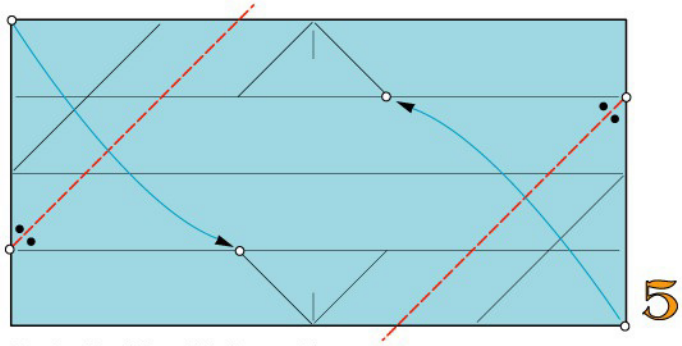
2 pieghe a valle



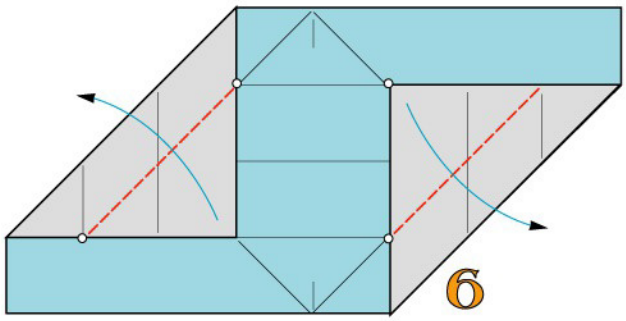
2 pieghe bisettrici a monte



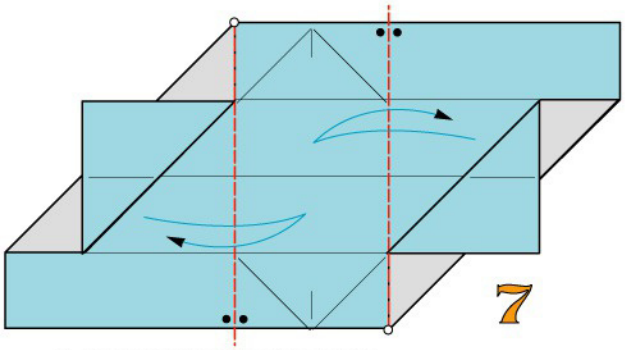
4 pieghe bisettrici a valle



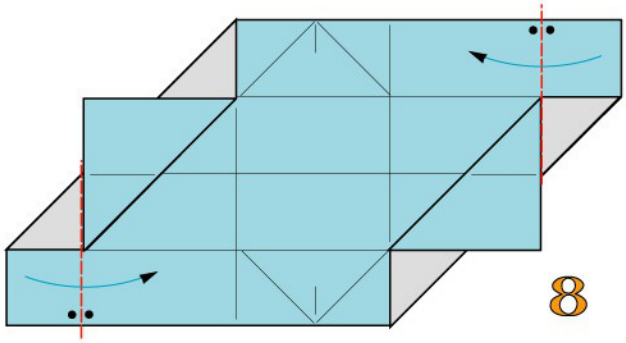
2 pieghe bisettrici a valle



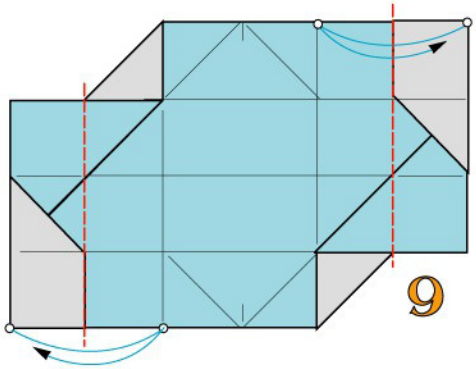
2 pieghe a valle

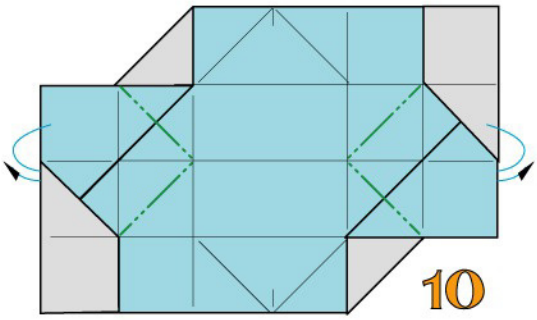


2 pieghe bisettrici a valle



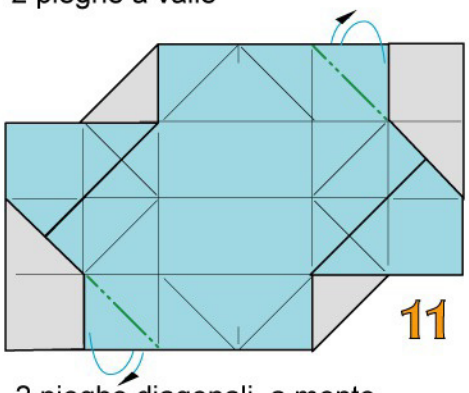
2 pieghe bisettrici a valle



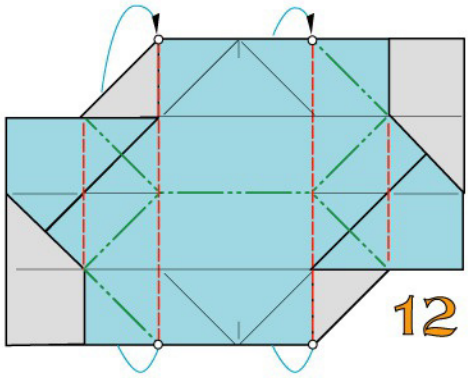


4 pieghe diagonali a monte

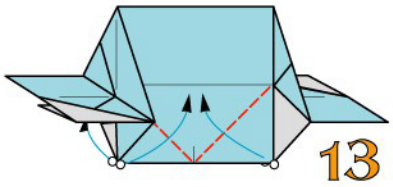
2 pieghe a valle



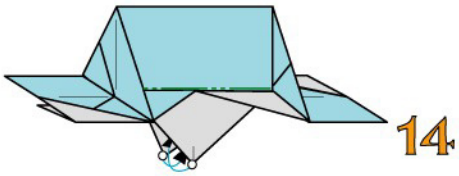
2 pieghe diagonali a monte



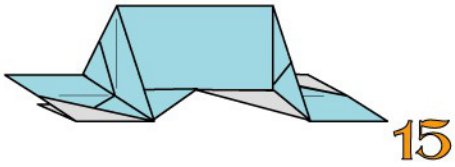
Ripiegate a valle e a monte



Ripiegate a valle

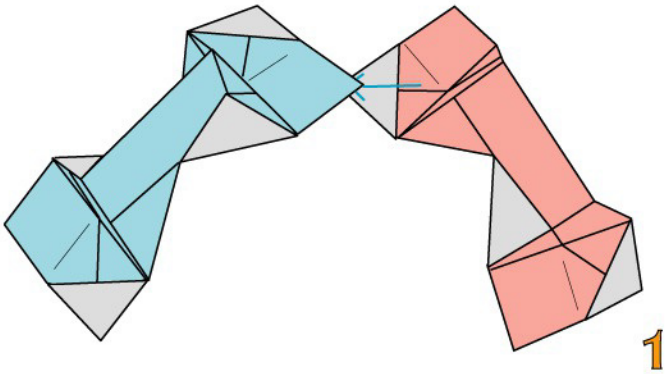


Intascate i 2 vertici indicati

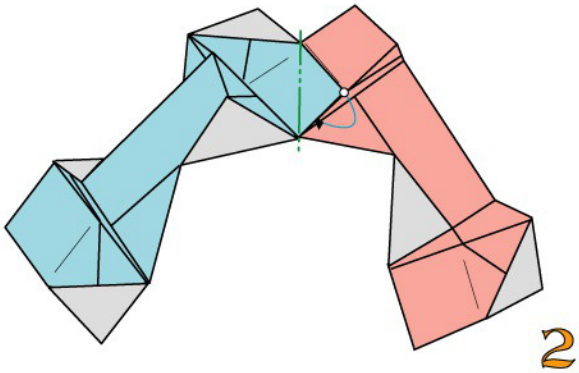


Modulo per poliedro C6 ultimato

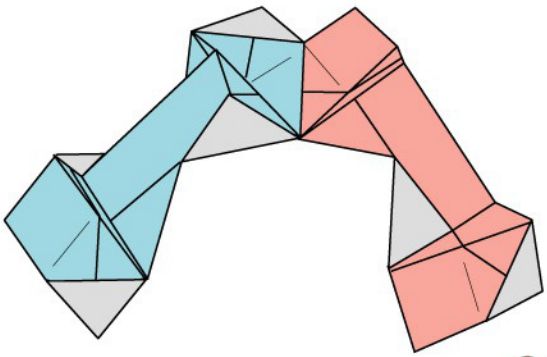
UNIONE DEI MODULI



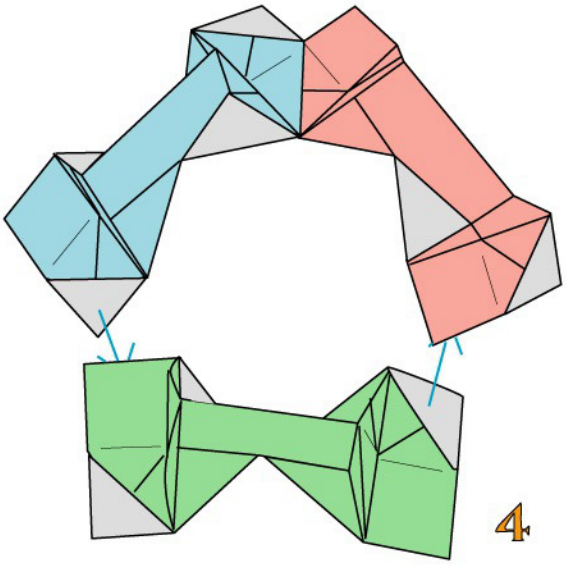
Inserite un modulo nell'altro



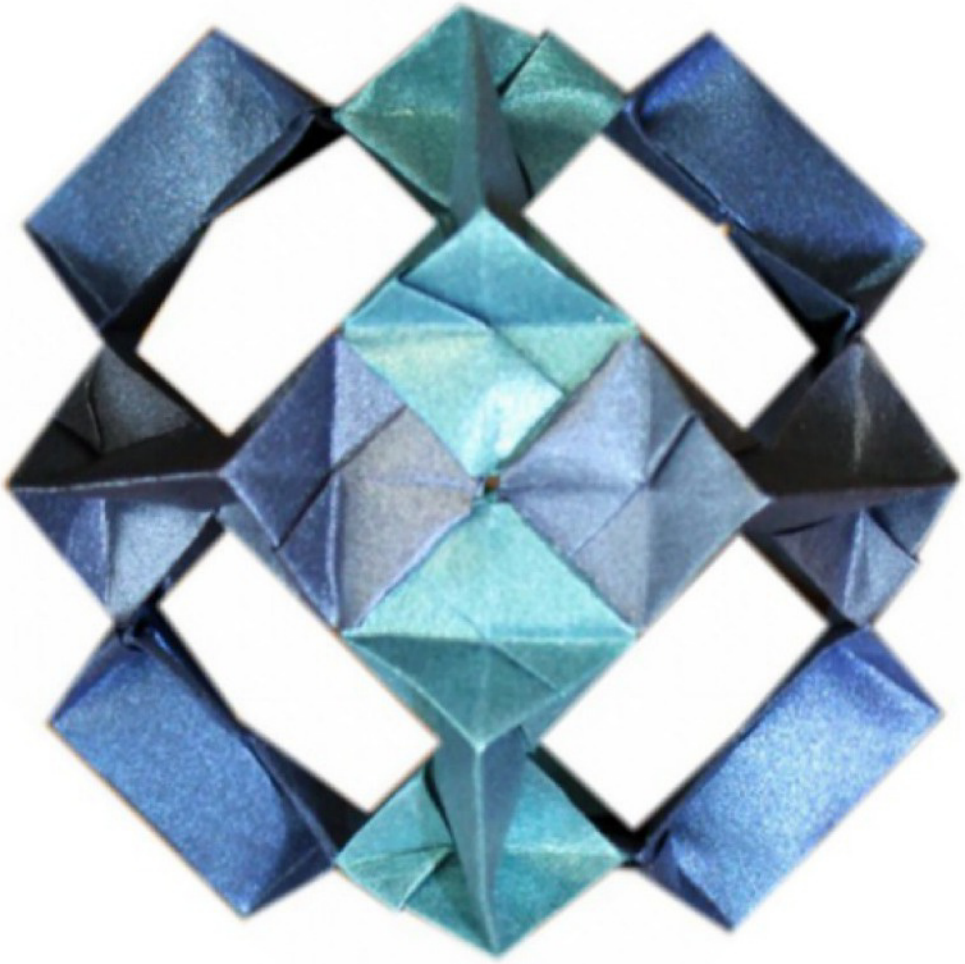
Con una piega a monte intascate
e bloccate l'unione



Una piega a monte.
Moduli uniti.



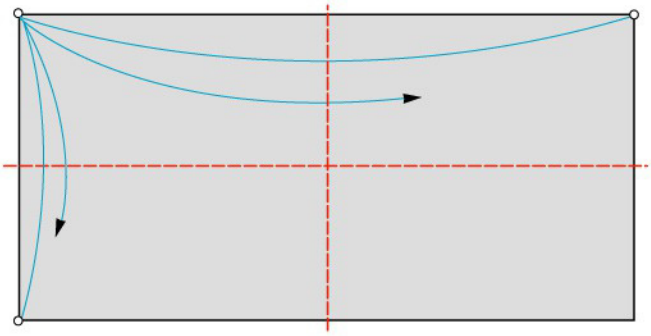
Aggiungete altri moduli



POLIEDRO "D"

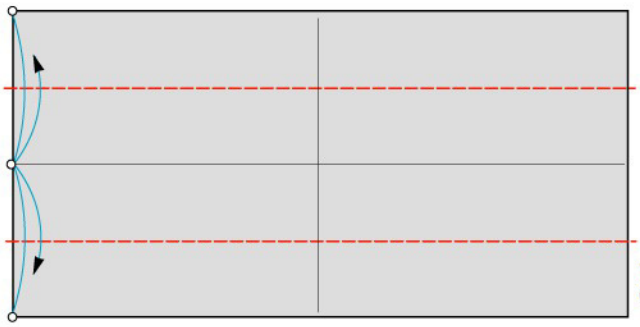
Franco Pavarin 24

Con questo modulo è possibile costruire molti poliedri.
In questo caso si tratta di un icosaedro.
Adoperate 30 fogli di carta monocolore pesante delle dimensioni di cm 5x10



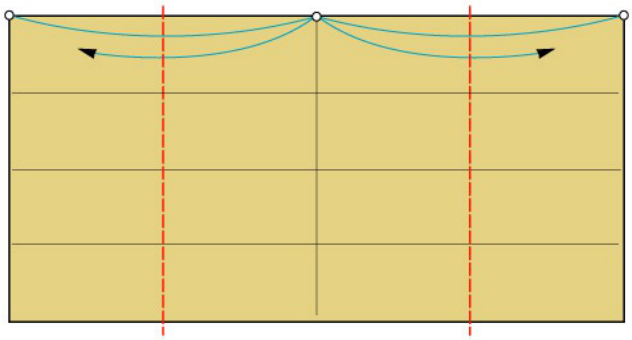
1

2 pieghe a valle



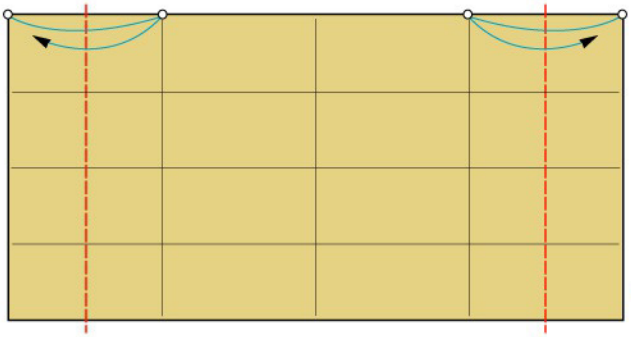
2

2 pieghe a valle e ribaltate



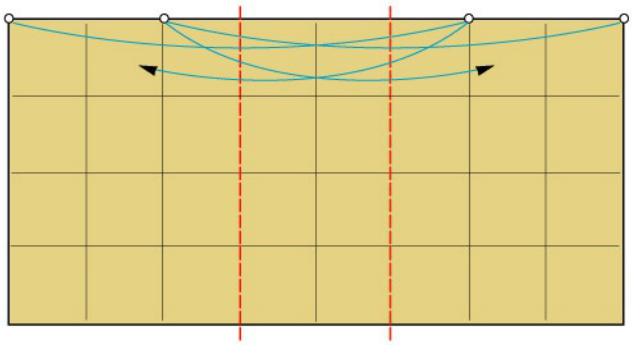
3

2 pieghe a valle



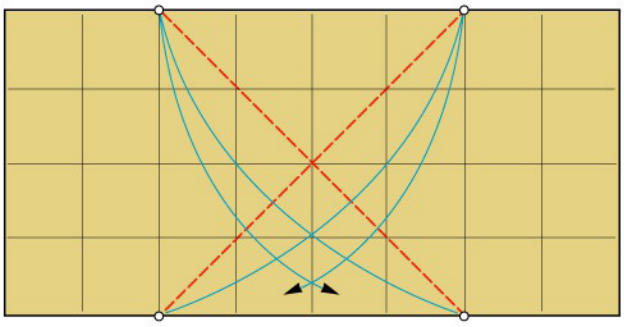
4

2 pieghe a valle



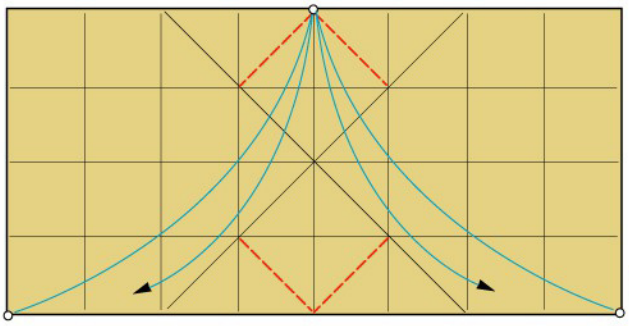
5

2 pieghe a valle



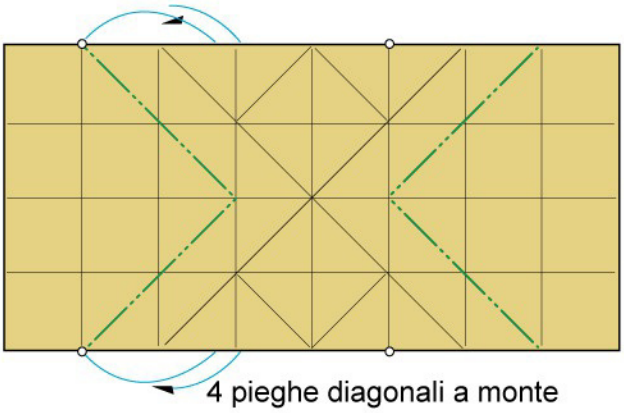
6

2 pieghe diagonali a valle



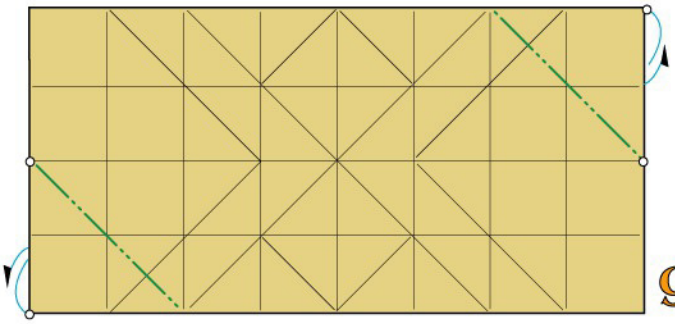
7

4 pieghe diagonali a valle



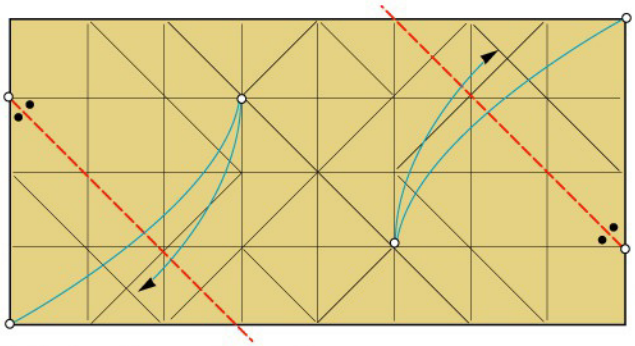
8

4 pieghe diagonali a monte



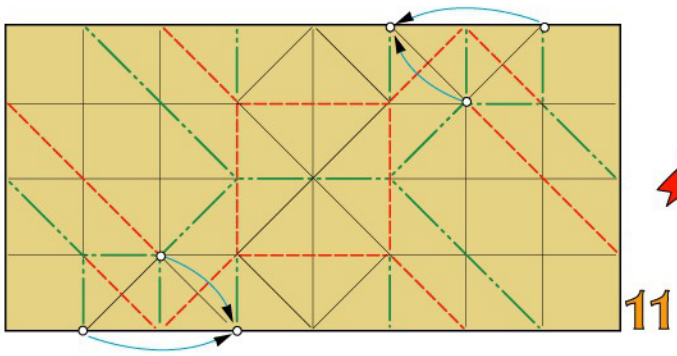
9

2 pieghe diagonali a monte

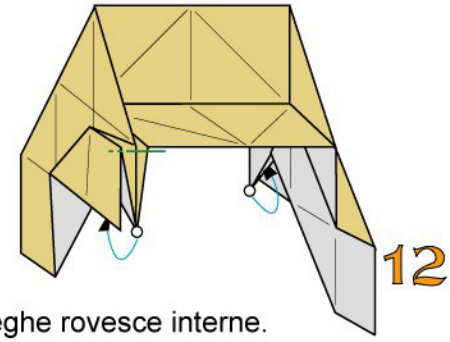


10

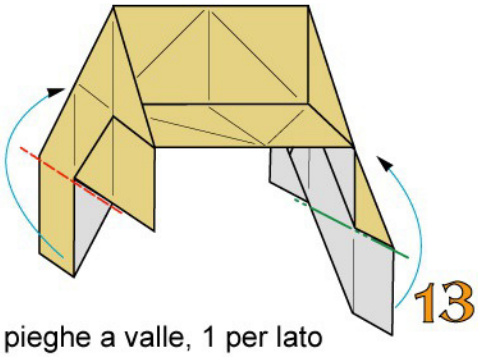
2 pieghe diagonali a valle



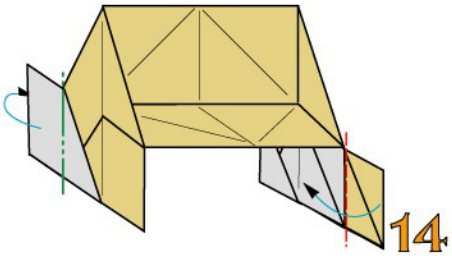
Ripiegando a valle e a monte modellate 3D



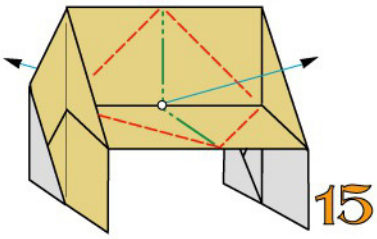
2 pieghe rovesce interne.
Fate rientrare completamente i 2 vertici indicati
Bring the vertices back completely



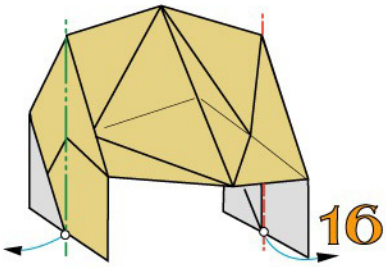
2 pieghe a valle, 1 per lato



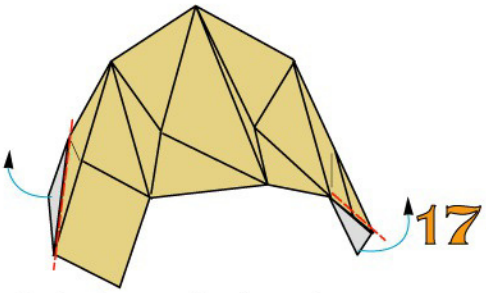
2 pieghe a monte, 1 per lato



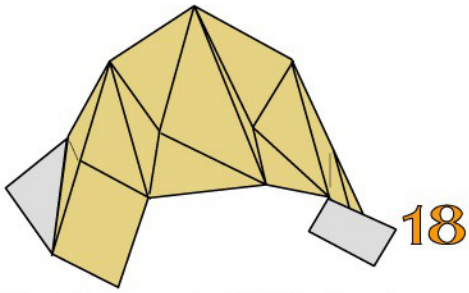
Ripiegando a valle e a monte modellate 3D



2 pieghe a monte, 1 per lato

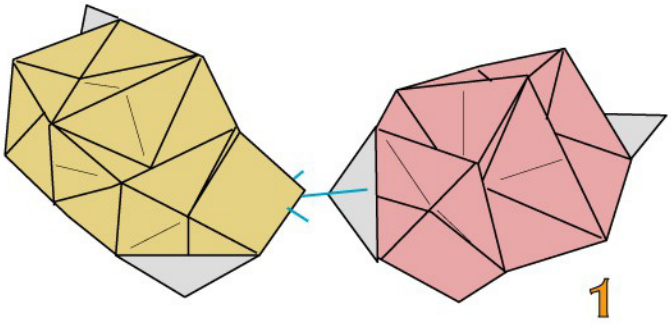


2 pieghe a valle, 1 per lato

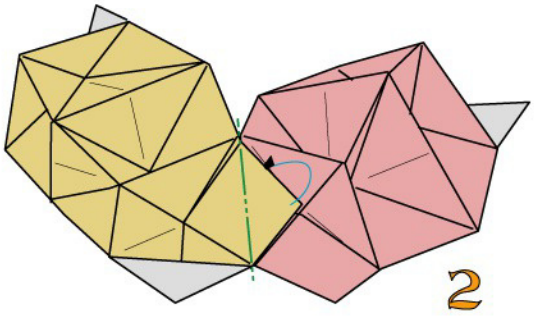


Modulo per poliedri “D” ultimato

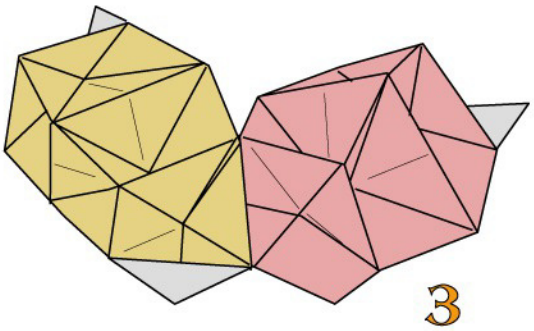
UNIONE DEI MODULI



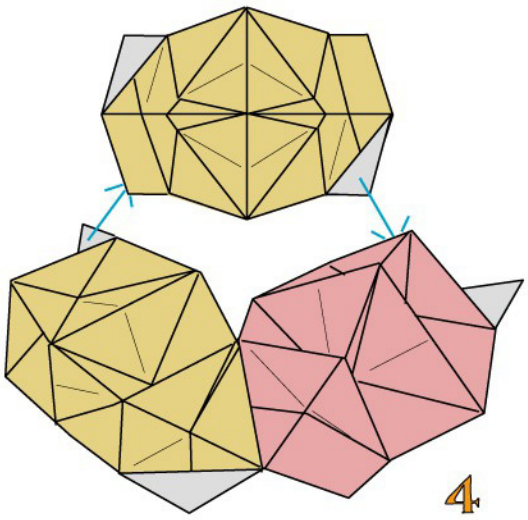
Inserite un modulo nell'altro



Con una piega a monte intascate
e bloccate l'unione

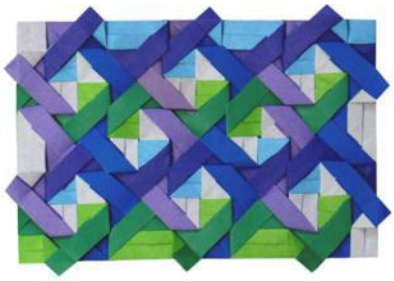
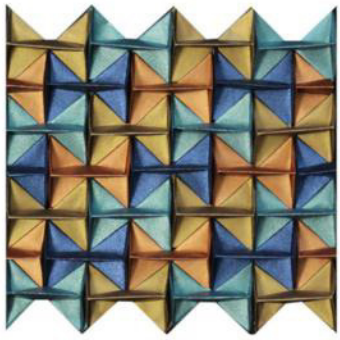
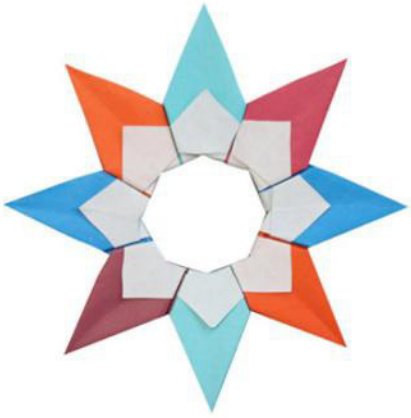
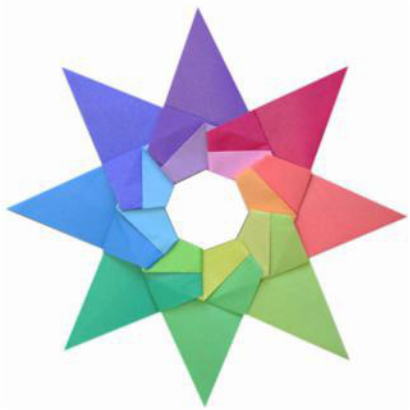
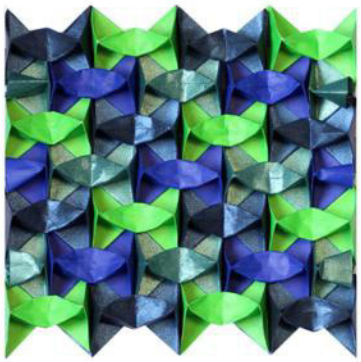
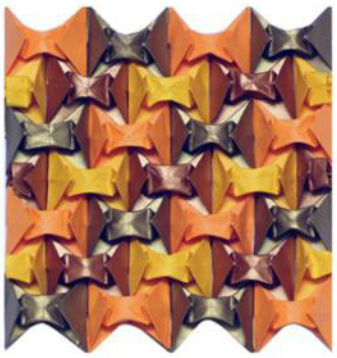
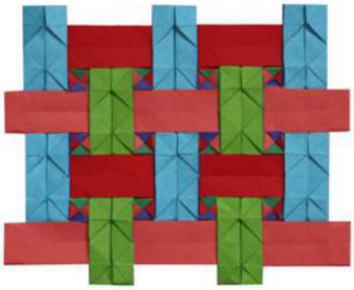


Moduli uniti



Aggiungete un altro modlo

PUBBLICAZIONI DI FRANCO PAVARIN

Aerei , jet ed astronavi di carta volanti	IL CASTELLO	1986
Origami animati	"	1987
Origami maschere animate	"	1988
Decorazioni modulari con origami modulati	"	1989
Origami motoscafi navi barche e velieri	"	1990
Origami scatole e contenitori	"	1990
Pieghe forme e colori	"	1994
Aerei e navi di carta	FABBRI	1996
Fold and fly Paper airplanes	STERLING PUBLISHING	1998
Manuale rapido di aerei di carta volanti	FABBRI	2000
Aerei di carta 17 modelli volanti inediti	IL CASTELLO	2001
Aviones voladores	TUTOR S.A.	2003
17 modelos ineditos de aviones voladores	"	2004
Naves voladoras	"	2006
Quaderni Quadrato magico n.20 e 48	CDO	
Maschere, elmi e copricapi	web	2010
Maschere trasformabili	web	2011
21 nuovi aerei origami volanti	web	2014
Maschere origami 3D volume 1	web	2014
Maschere origami 3D volume 2	web	2015
Legorigami 1 -Q.Quadrato Magico n.56	CDO	2015
Composizione modulare 1	web	2016
Manuale dell'architetto origamista	web	2016
13 moduli origami aggregabili	web	2017
Alfabeti origami	web	2018
21 Elmi e strani copricapi origami	web	2019
Animaletti semplici origami	web	2020
Origami per giocare	web	2020
30 nuovi origami volanti	web	2021
Contenitori 1	web	2021
Contenitori 2	web	2021
Contenitori 3	web	2022
Contenitori 4	web	2022
Volti scolpiti origami 1	web	2018
Volti scolpiti origami 2	web	2019
Contenitori 5	web	2022

Manuale di arredamento	web	2022
Composizione modulare 2	web	2023
Castelli e fortezze componibili	web	2023
Contenitori origami 6	web	2023
Navi, barche e velieri	web	2023
Composizione modulare 3	web	2023
Composizione modulare 4	web	2024
Composizione modulare 5	web	2024