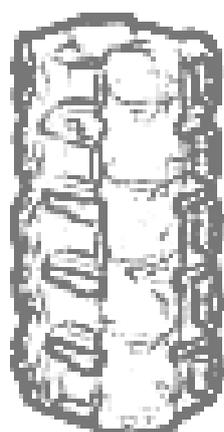
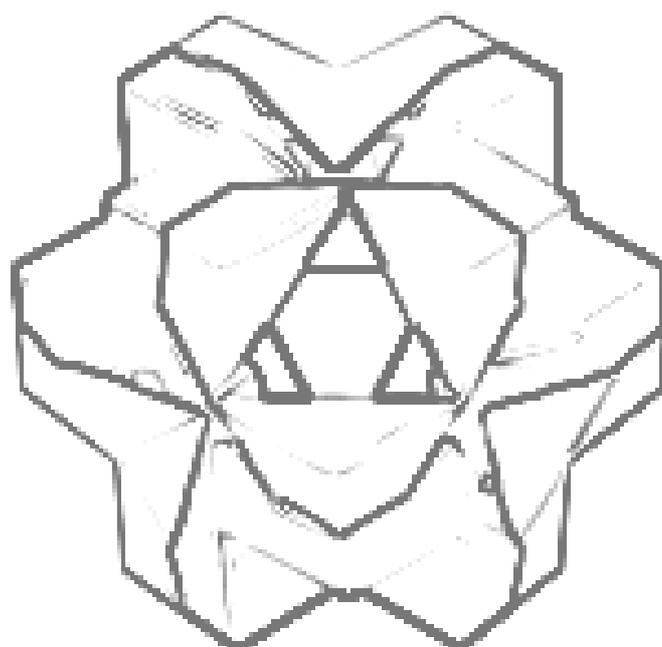
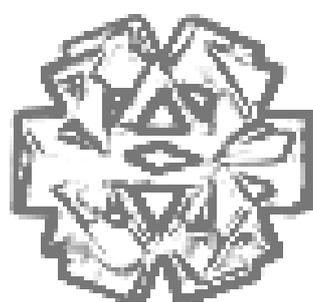
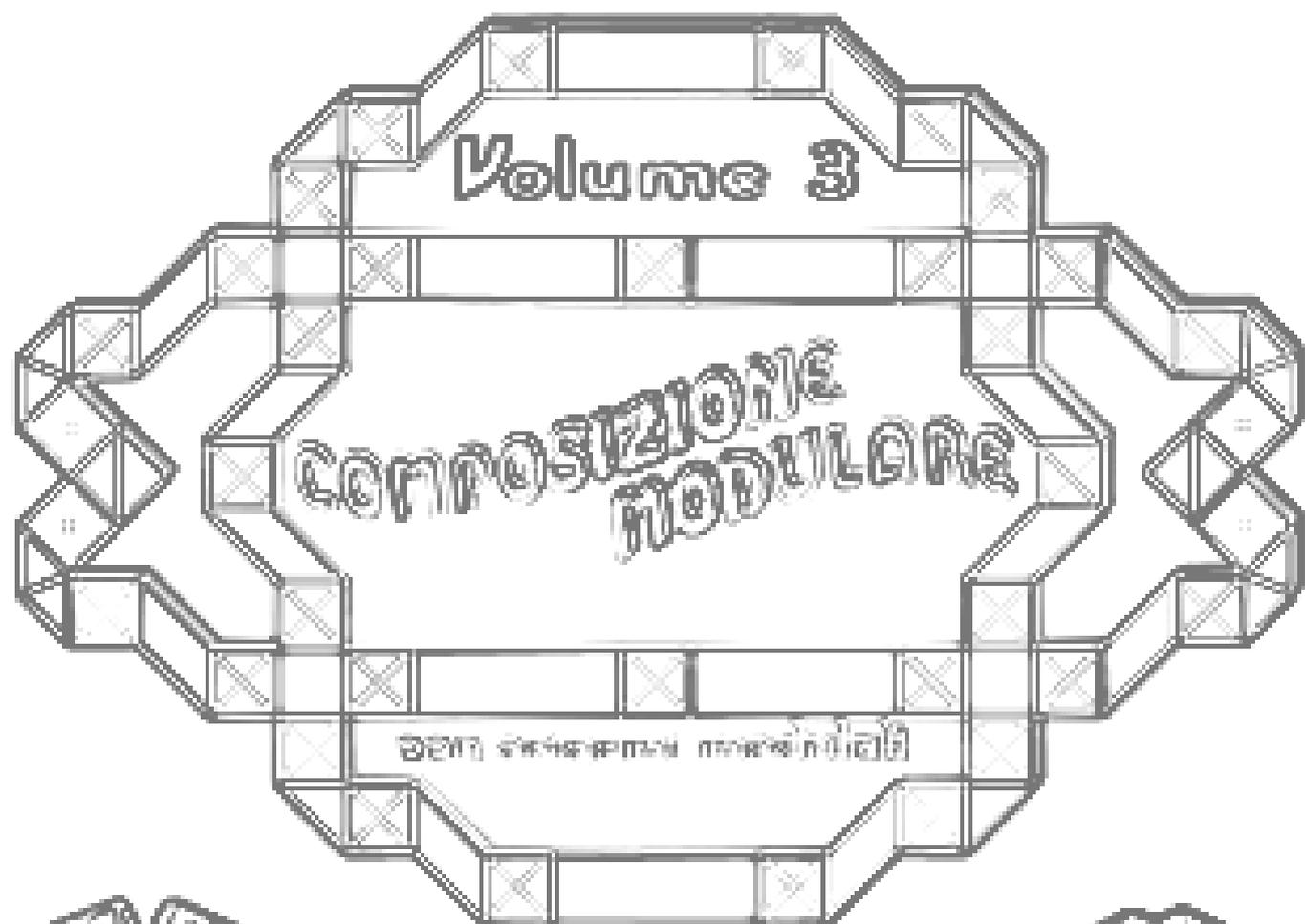


Franco Pavarin

www.origami-cdo.it/francopavarin/



Francesco Pignatelli
www.pignatelli.it

PREFAZIONE

In questo nuovo libro ho disegnato modelli progettati da molti anni e presentati ai convegni CDO, tranne che per il “Nastro di gru”, pubblicato da tempo e che rischiava di andare perso.

Le tassellazioni sono generalmente di semplice realizzazione e montaggio e che necessitano solamente di carte di colori appropriati.

I poliedri sono quasi tutti del tipo traforato, che io prediligo in quanto non occulta la tecnica costruttiva.

I moduli dei poliedri sono generalmente semplici, anche se l'unione presenta a volte qualche difficoltà.

Difficoltà che ho trovato nella rappresentazione grafica del montaggio dei moduli tridimensionali e mi scuso se in qualche caso non sono stato sufficientemente chiaro nel disegno.

Franco Pavarin gennaio 2024

In this new book I have drawn models designed for many years and presented at CDO conferences, except for the “Nastro di crane”, published some time ago and which risked being lost.

Tessellations are generally simple to create and assemble and require only of cards of appropriate colors.

The polyhedra are almost all of the perforated type, which I prefer as it does not hide the technique constructive.

The modules of polyhedra are generally simple, although the union sometimes presents some difficulty.

Difficulties I found in the graphic representation of the assembly of three-dimensional modules and I apologize if in some cases I was not clear enough in the drawing.

En este nuevo libro he dibujado modelos diseñados durante muchos años y presentados en conferencias CDO, salvo el “Nastro di crane”, publicado hace algún tiempo y que corría el riesgo de perderse.

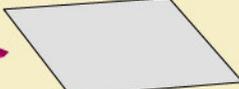
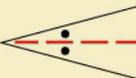
Los teselados son generalmente simples de crear y ensamblar y requieren sólo de tarjetas de colores apropiados.

Los poliedros son casi todos del tipo perforado, que prefiero porque no oculta la técnica constructivo.

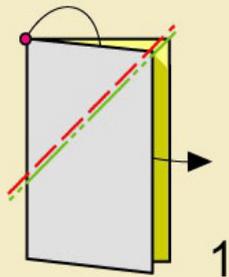
Los módulos de poliedros son generalmente simples, aunque la unión presenta en ocasiones algunas dificultad.

Dificultades que encontré en la representación gráfica del montaje de módulos tridimensionales. y pido disculpas si en algunos casos no fui lo suficientemente claro en el dibujo.

Simbologia origami

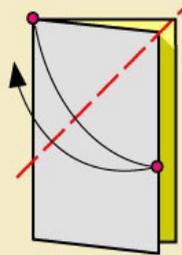
	Indicazione	Risultato 3D
 Piega a valle (piega bassa)		
 Piega a monte (piega alta)		
 Ruotate e piegate		
 Ruotate, piegate e riportate alla posizione iniziale		
 Ribaltate sull'asse verticale		
 Ribaltate sull'asse orizzontale		
 Ruotate di 180°		
 Piega bisettrice a valle		
 Figura ingrandita		

Realizzazione delle pieghe rovesce



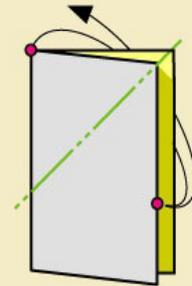
1

Eseguite una piega rovescia interna



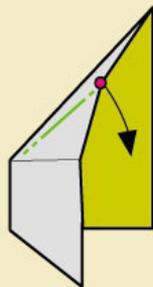
2

Una piega a valle



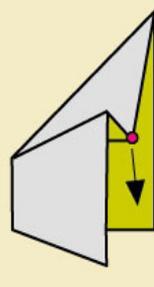
3

Ripiegate con piega a monte sulla medesima traccia



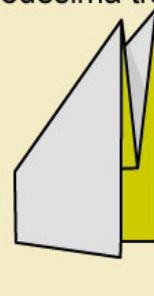
4

Aprite e rovesciate il verso della piega



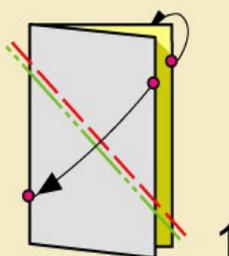
5

Inserite all'interno il vertice indicato



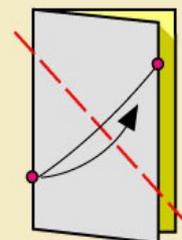
6

Piega rovescia interna ultimata



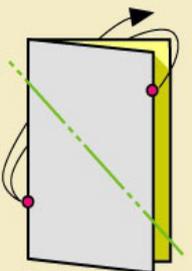
1

Eseguite una piega rovescia esterna



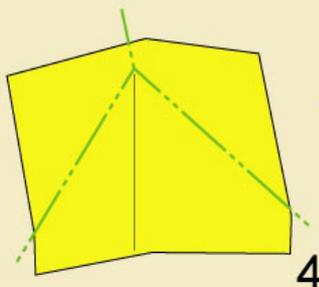
2

Una piega a valle



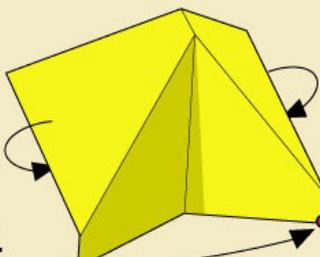
3

Ripiegate con piega a monte sulla medesima traccia



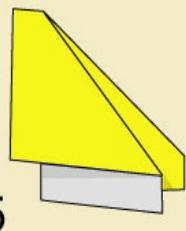
4

Aprite e rovesciate il verso della piega



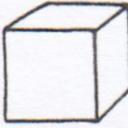
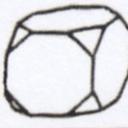
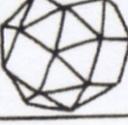
5

Richiudete



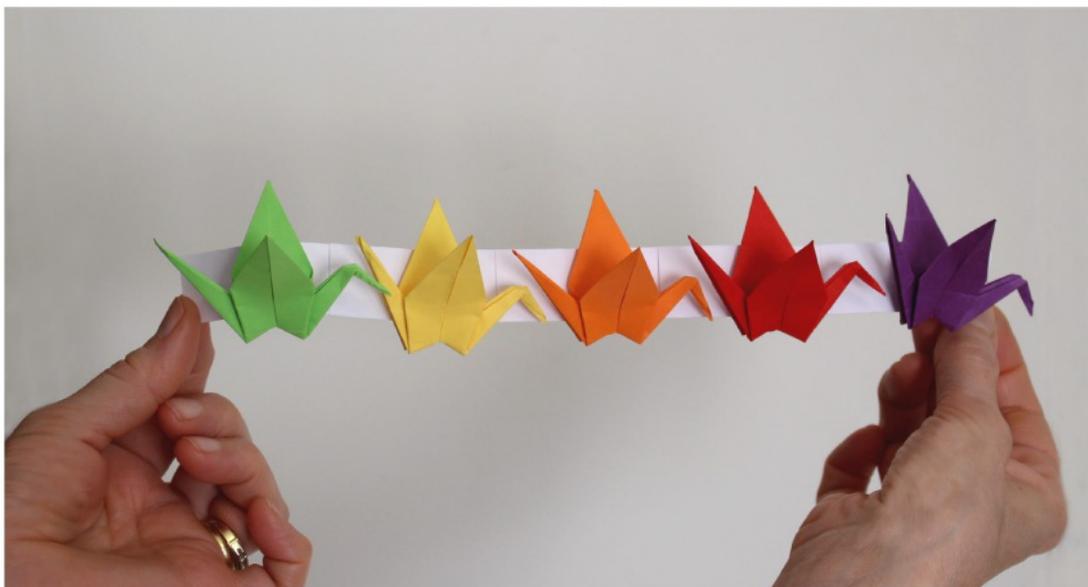
6

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
SUBOTTAEDRO		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

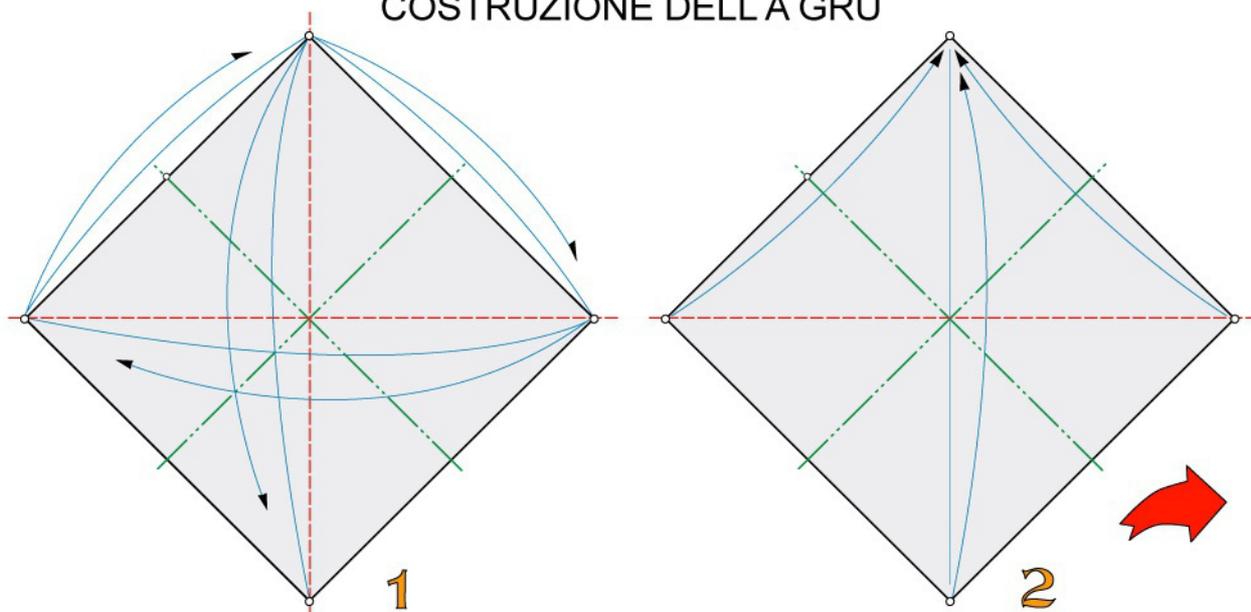
NASTRO DI GRU

Modello di Franco Pavarin. 29 05 2017



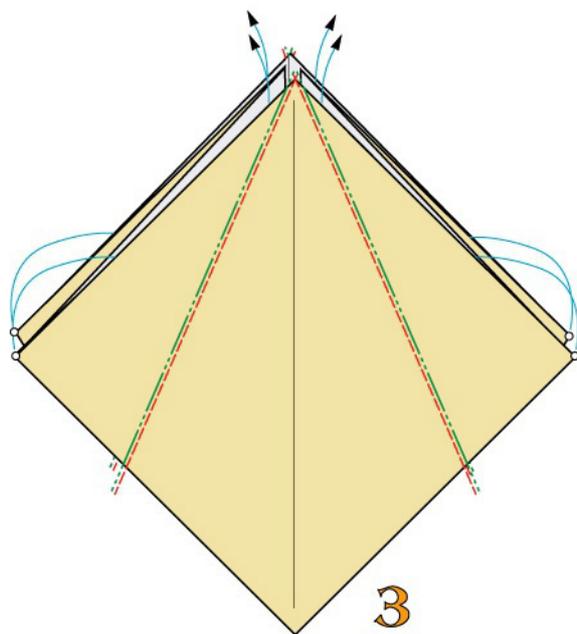
Questo nastro è formato da gru tradizionali collegate con elementi ottenuti piegando mezzi quadrati di carta robusta sempre della medesima dimensione. Per ogni gru si realizza un elemento che si incastra nell'ala retrostante.

COSTRUZIONE DELLA GRU

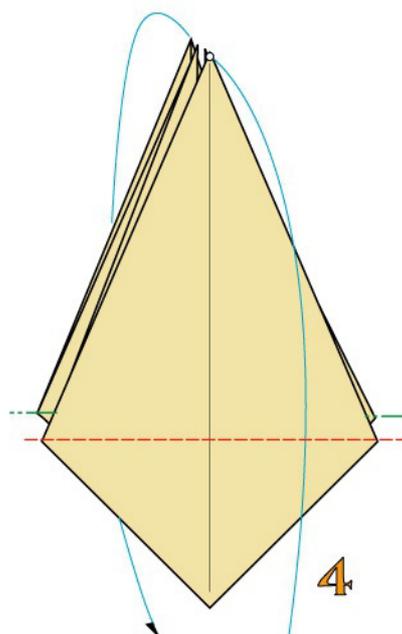


1
Piegate le diagonali a valle e le mediane a monte

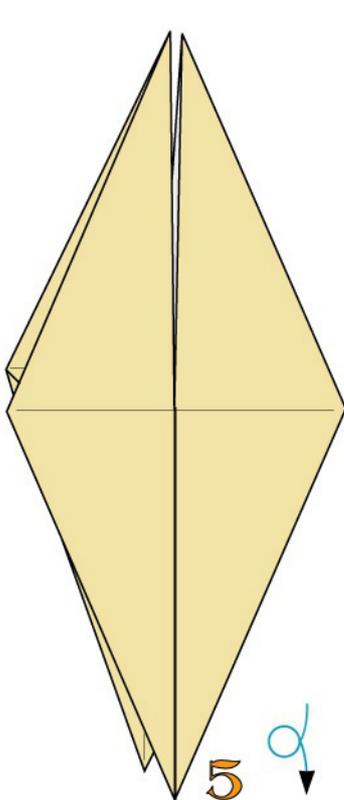
2
Richiudete congiungendo i vertici



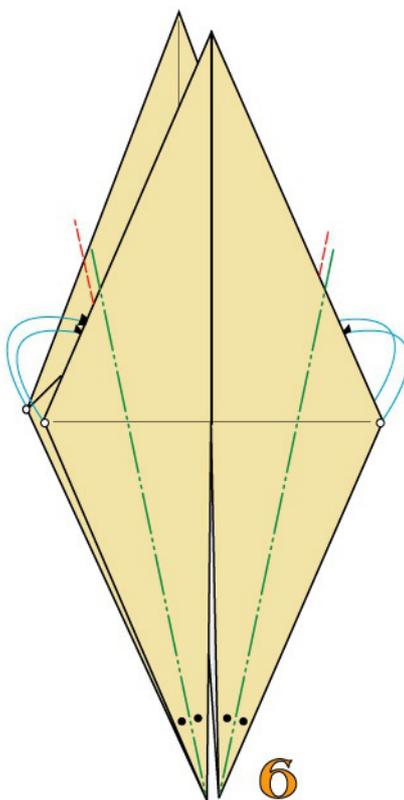
4 pieghe rovesce interne



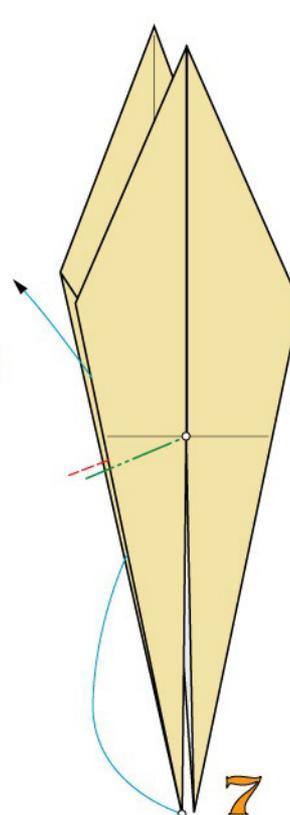
Mediante 2 pieghe a valle aperte i 2 vertici opposti



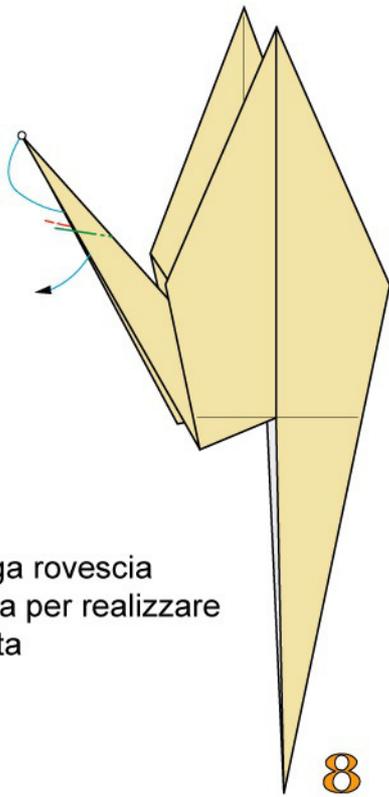
Ribaltate



4 pieghe a monte, 2 per lato

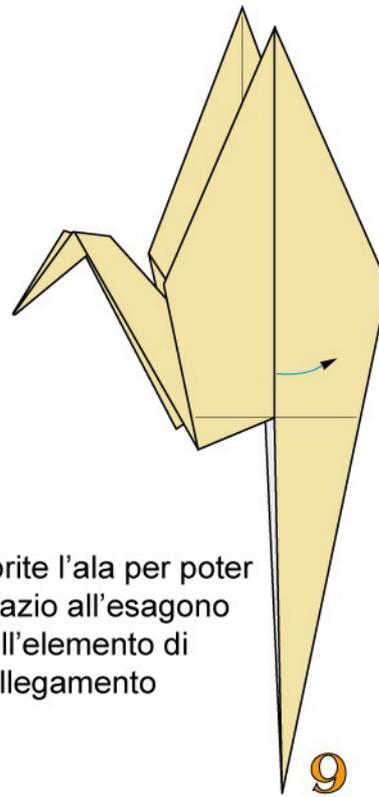


1 piega rovescia interna



1 piega rovescia
interna per realizzare
la testa

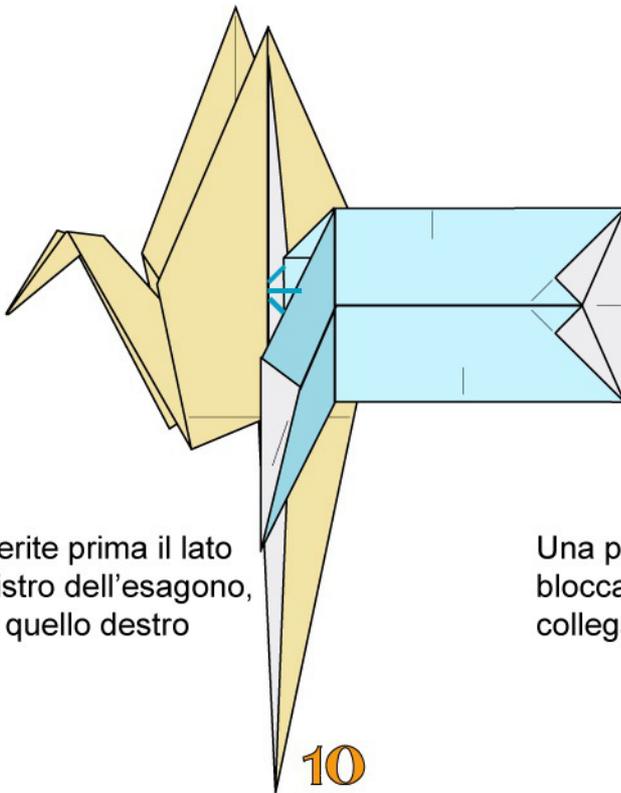
8



Aprite l'ala per poter
spazio all'esagono
dell'elemento di
collegamento

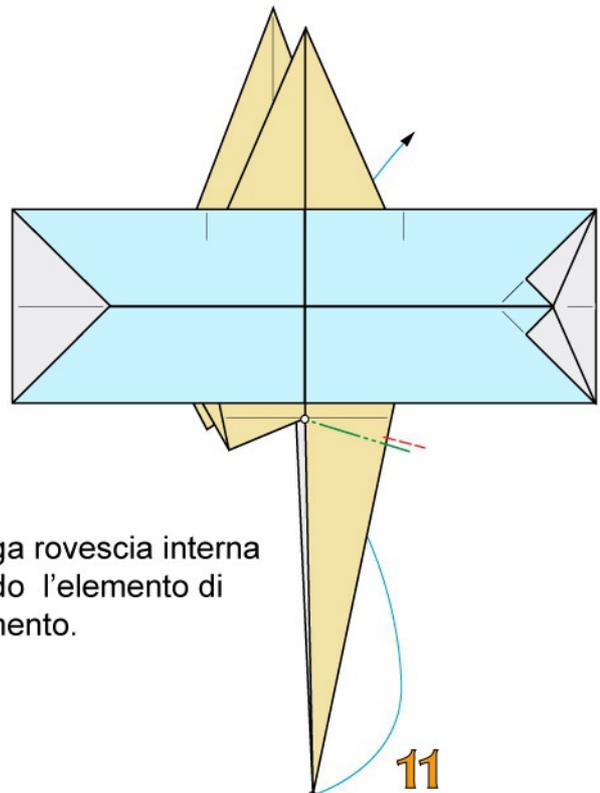
9

UNIONE CON L'ELEMENTO DI COLLEGAMENTO



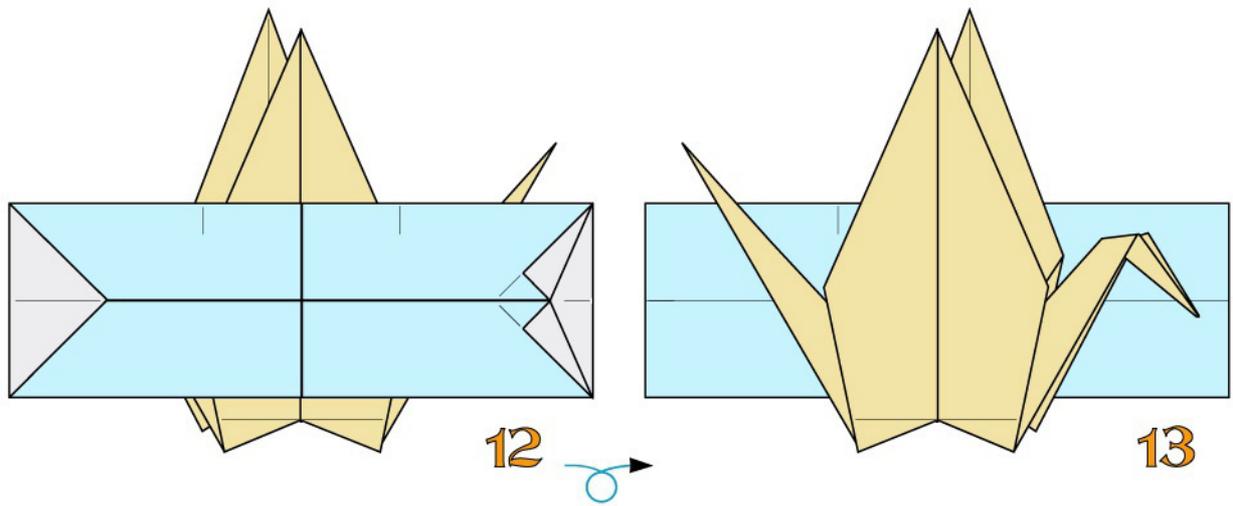
Inserite prima il lato
sinistro dell'esagono,
poi quello destro

10



Una piega rovescia interna
bloccando l'elemento di
collegamento.

11



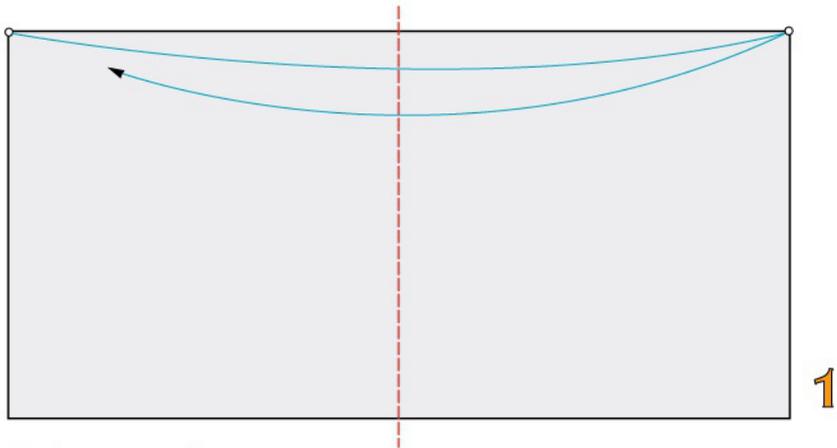
Retro di gru con elemento inserito ultimata.
Ribaltate

Fronte di gru con elemento inserito ultimata.



COSTRUZIONE DELL 'ELEMENTO DI COLLEGAMENTO

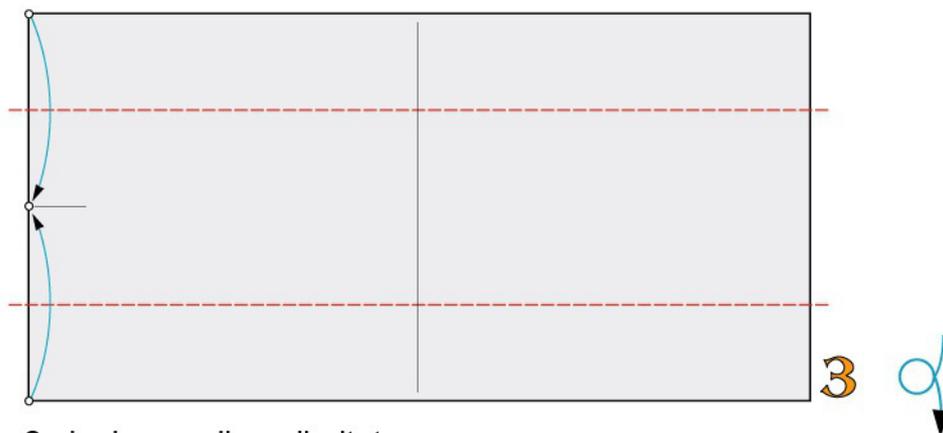
Dimezzate fogli quadrati della stessa dimensione di quelli usati per le gru.
Consiglio carta robusta di 10 cm di lato



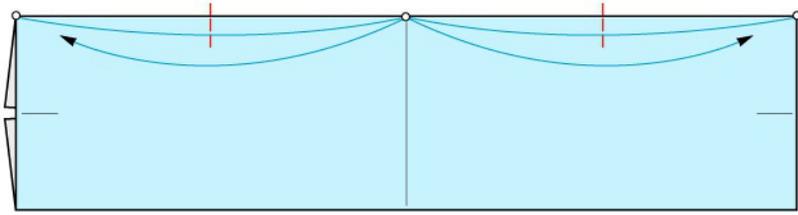
1 piega a valle



2 piccole pieghe a valle

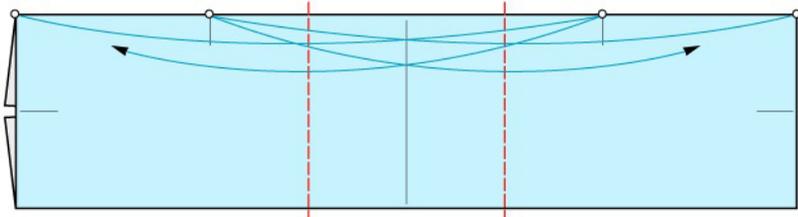


2 pieghe a valle e ribaltate



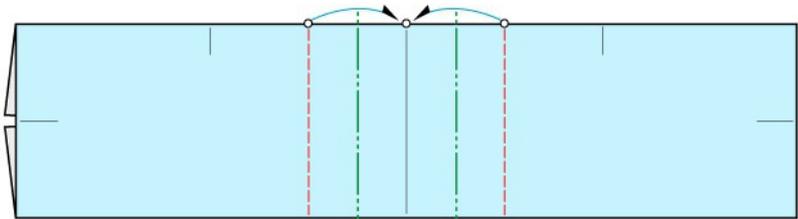
4

2 piccole pieghe a valle



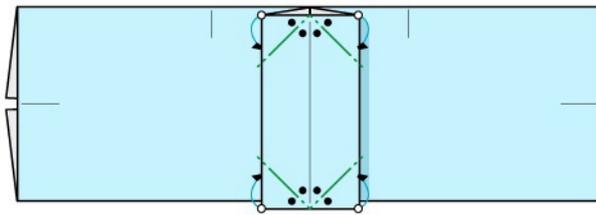
5

2 pieghe a valle



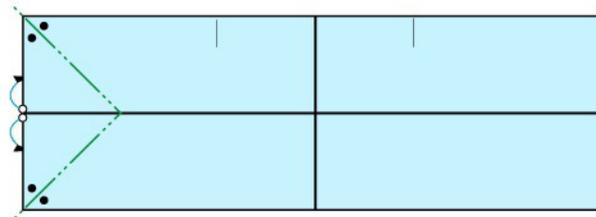
6

2 pieghe a monte e ripiegate a valle



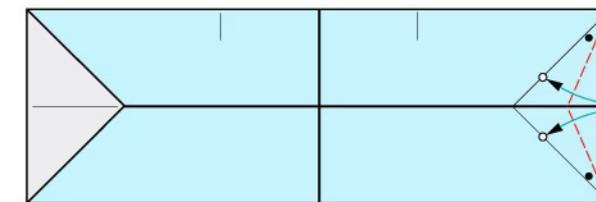
7

4 pieghe bisettrici a monte e ribaltate

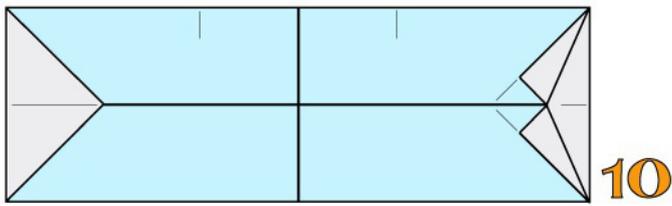


8

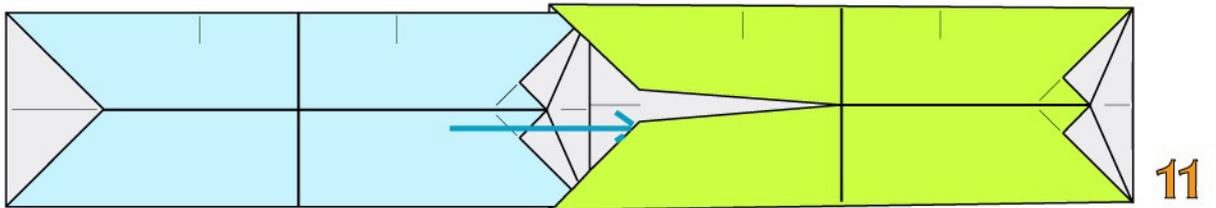
2 pieghe bisettrici a monte



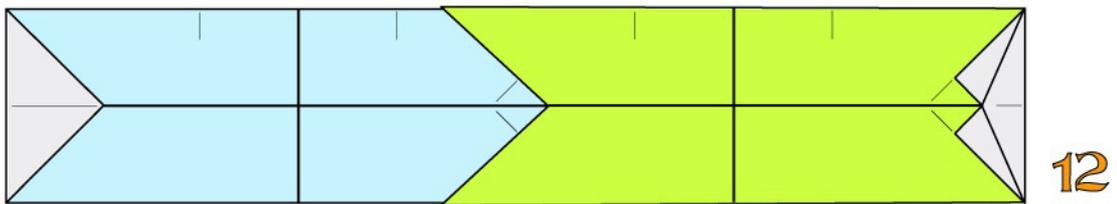
9



Elemento di collegamento ultimato



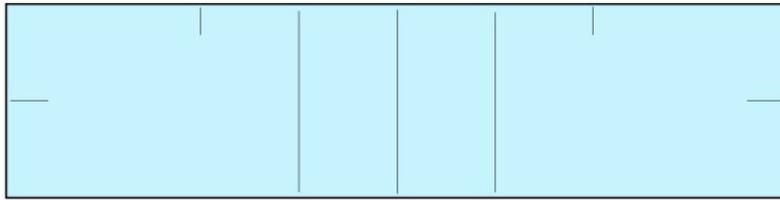
Unione di 2 elementi di collegamento: inserite quello di sinistra all'interno di quello di destra fino a che i suoi triangolini si intascano in quelli (non in vista) dell'altro



Elementi di collegamento uniti

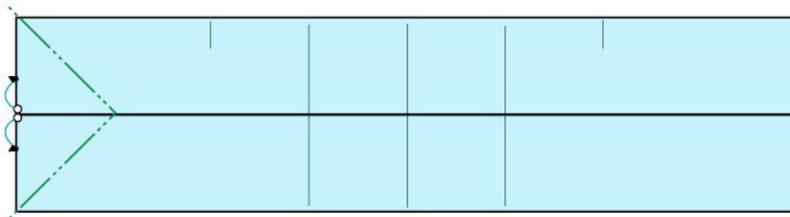


COSTRUZIONE DELL' 'ELEMENTO DI COLLEGAMENTO CENTRALE DI UNA COLLANA



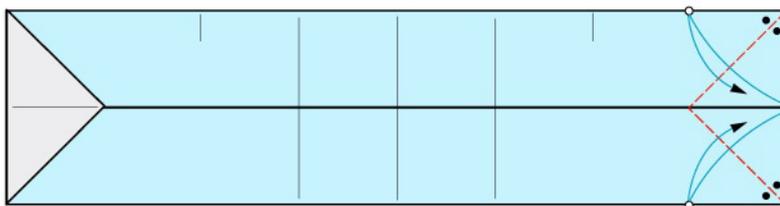
6

Partite dalla fig. n. 5 dell'elemento di coll. Ribaltate



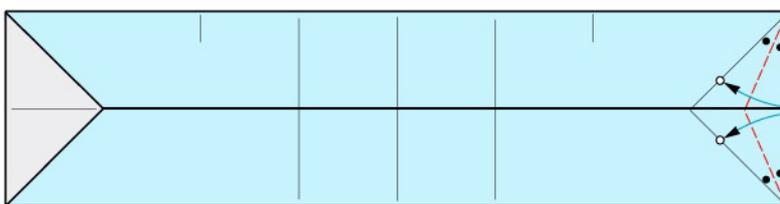
7

2 pieghe a monte



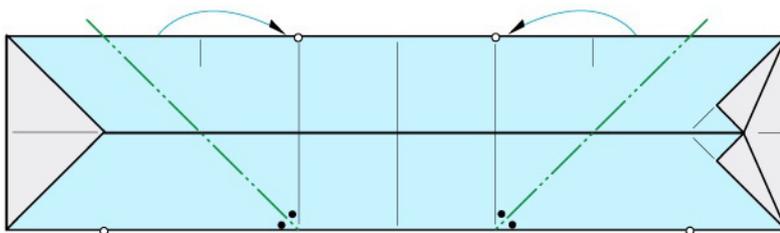
8

2 pieghe a valle



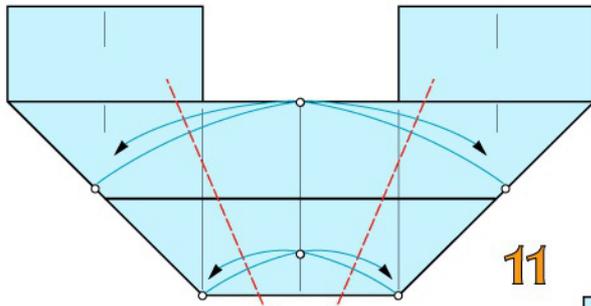
9

2 pieghe a valle

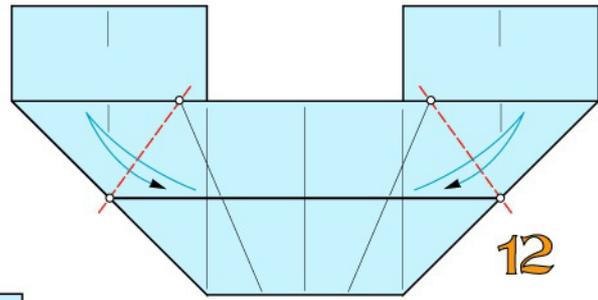


10

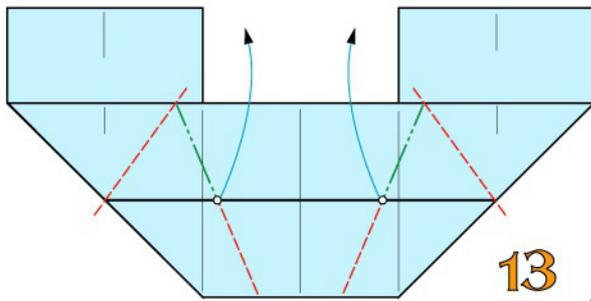
2 pieghe bisettrici a monte



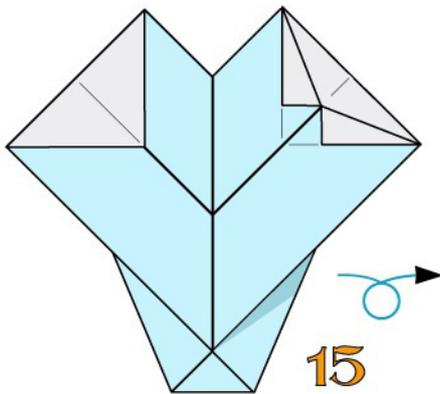
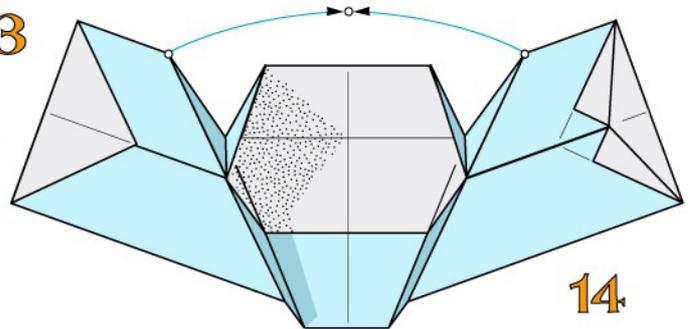
2 pieghe bisettrici a valle



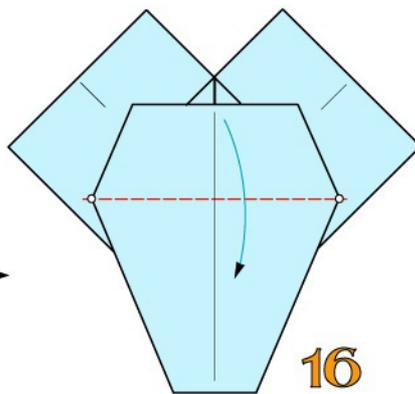
2 pieghe a valle solo sulla sup. in vista



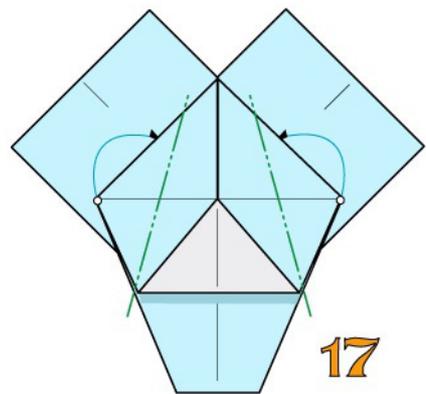
Aprirete ripiegando a valle ed a monte



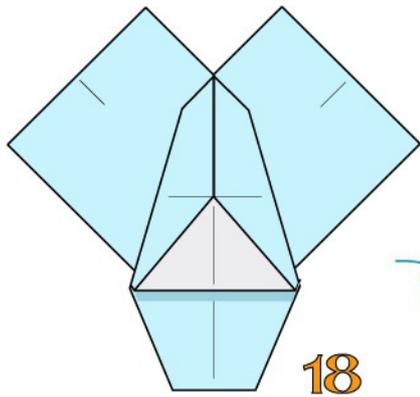
Ribaltate



1 piega a valle

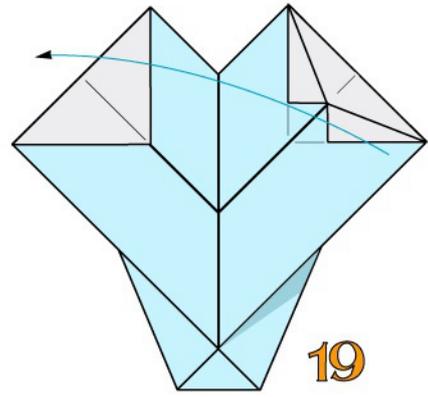


2 pieghe a monte



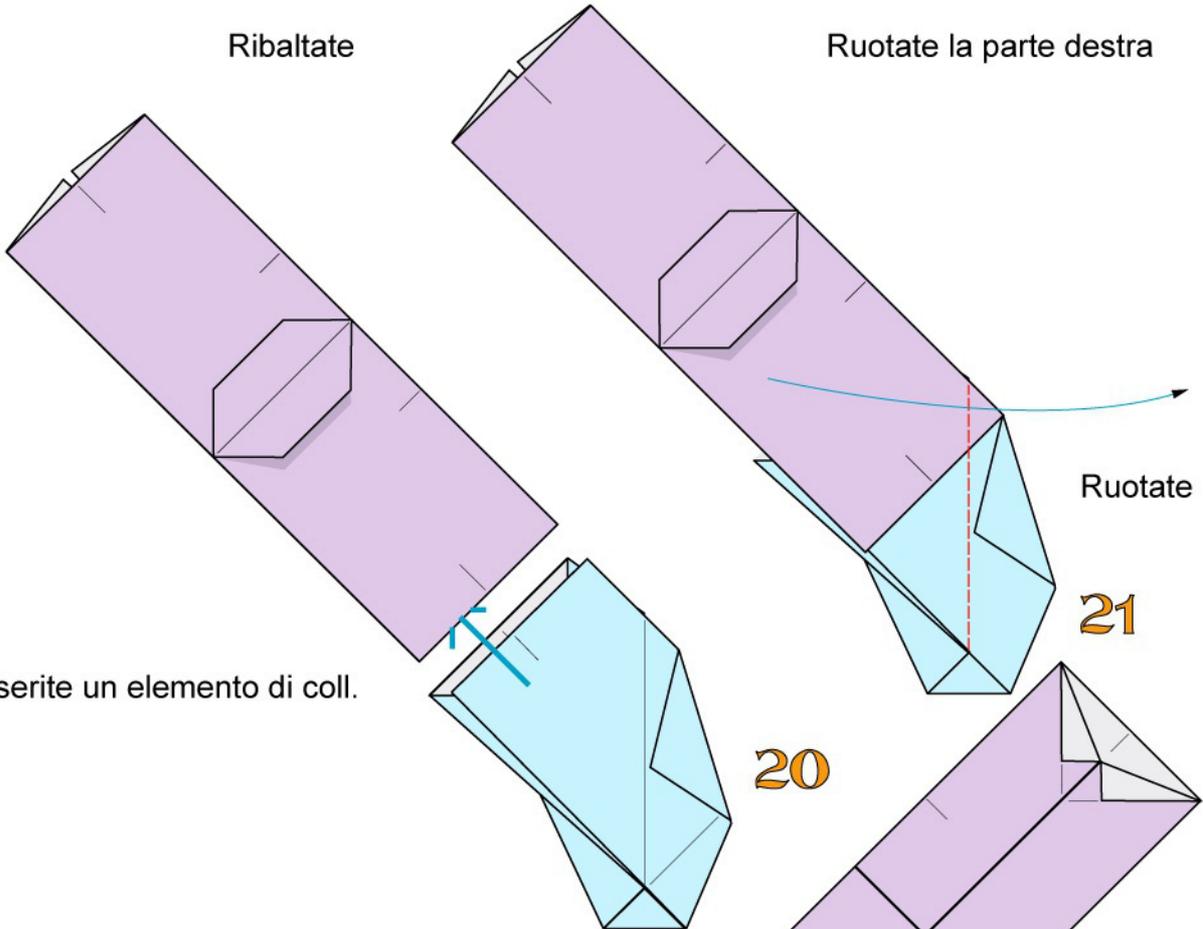
18

Ribaltate



19

Ruotate la parte destra

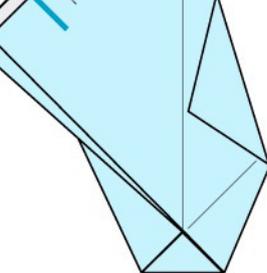


Inserite un elemento di coll.

Ruotate

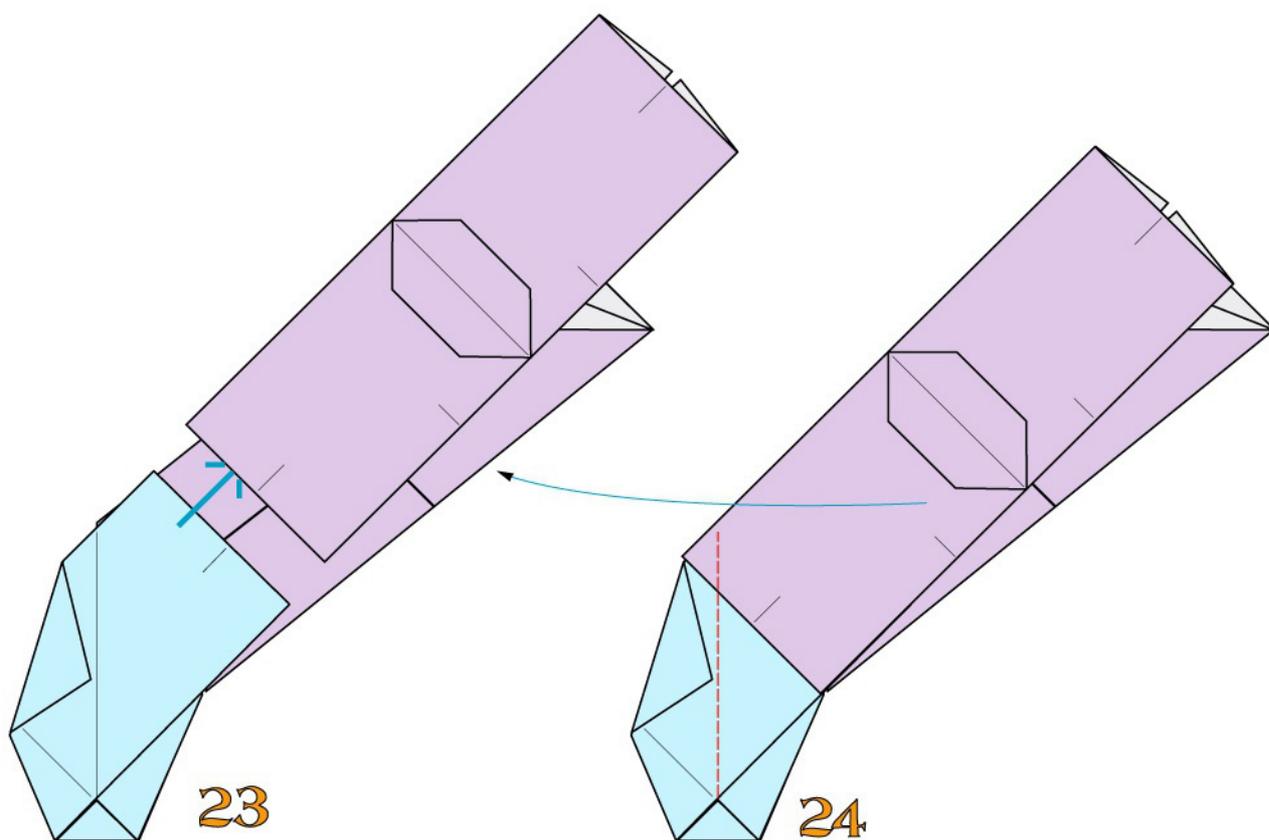
21

20



Ruotate la parte sinistra

22

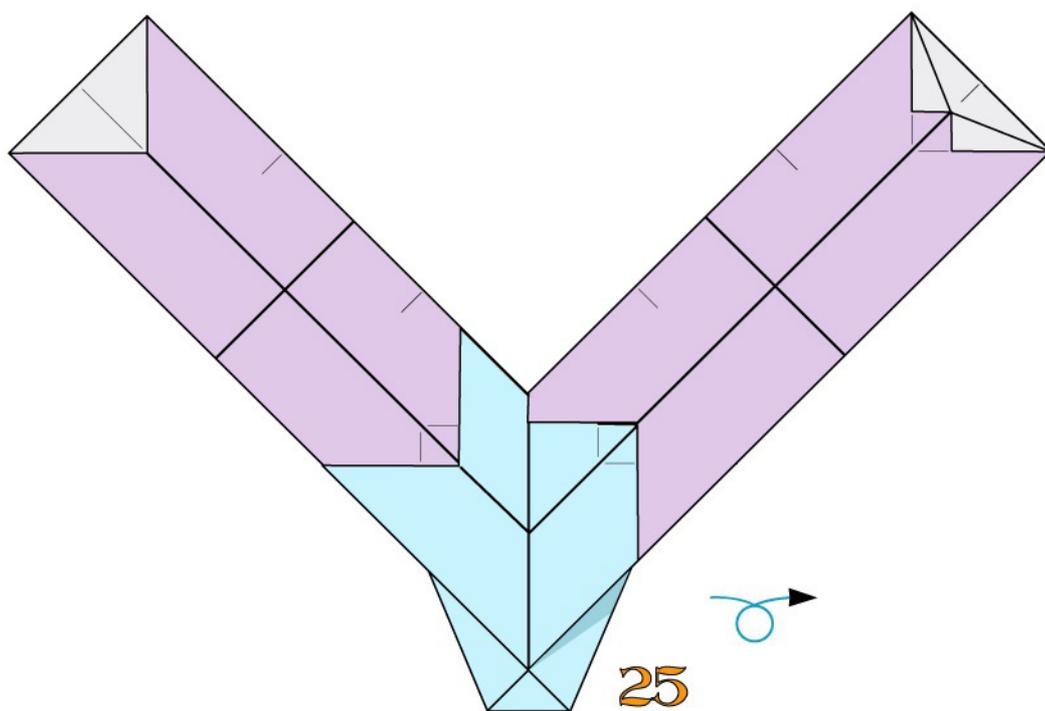


23

Inserite un ulteriore elemento di coll.

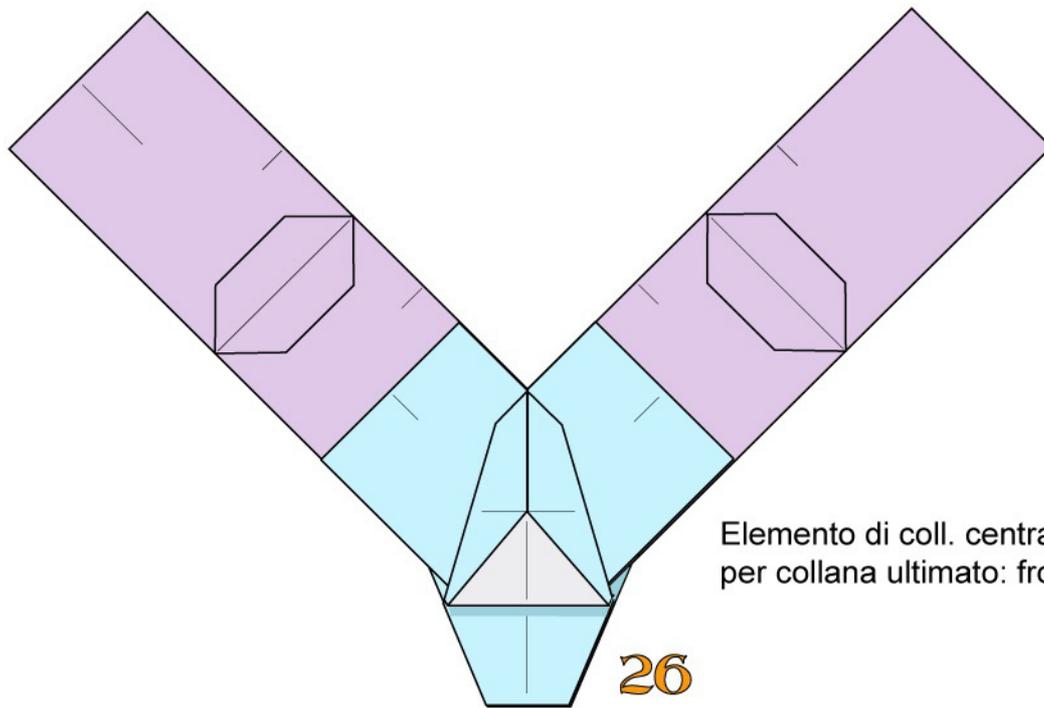
24

Ruotate



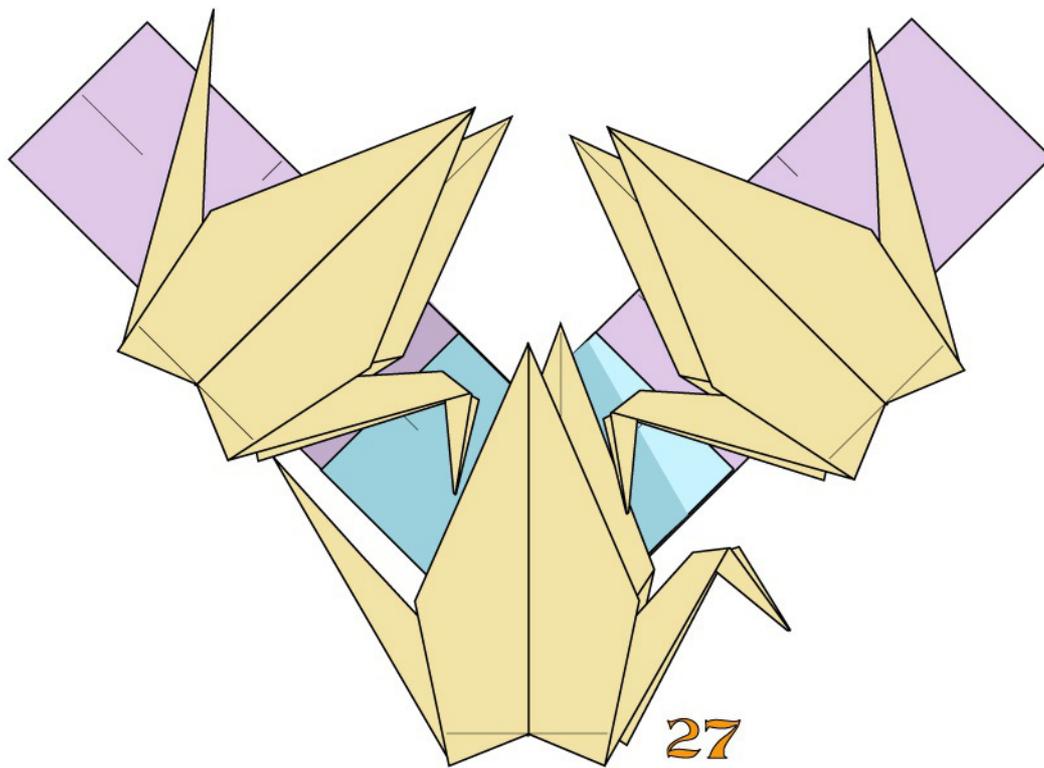
25

Elemento di collegamento centrale per collana ultimato: retro



Elemento di coll. centrale per collana ultimato: fronte

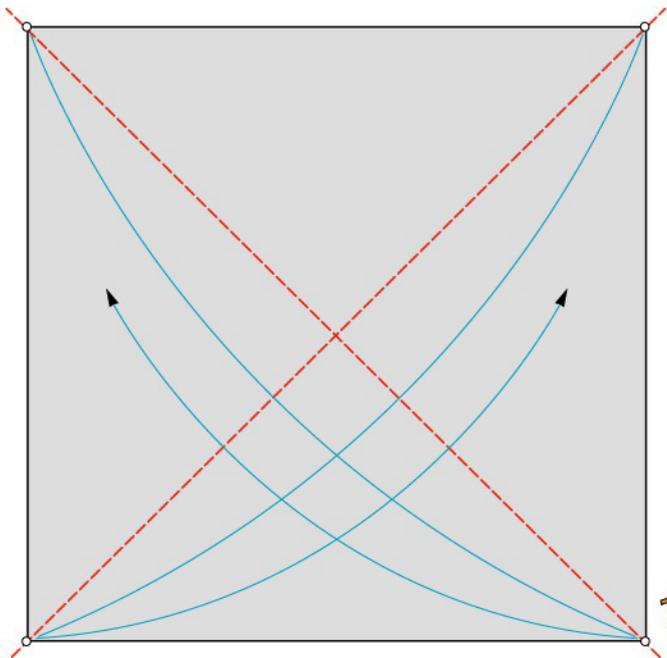
26



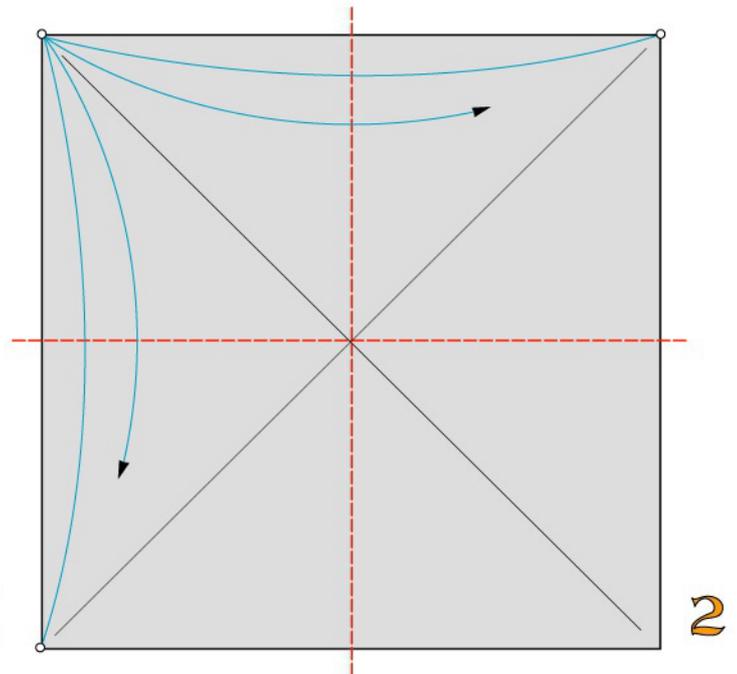
27

Elemento di coll. centrale per collana ultimato con gru inserite

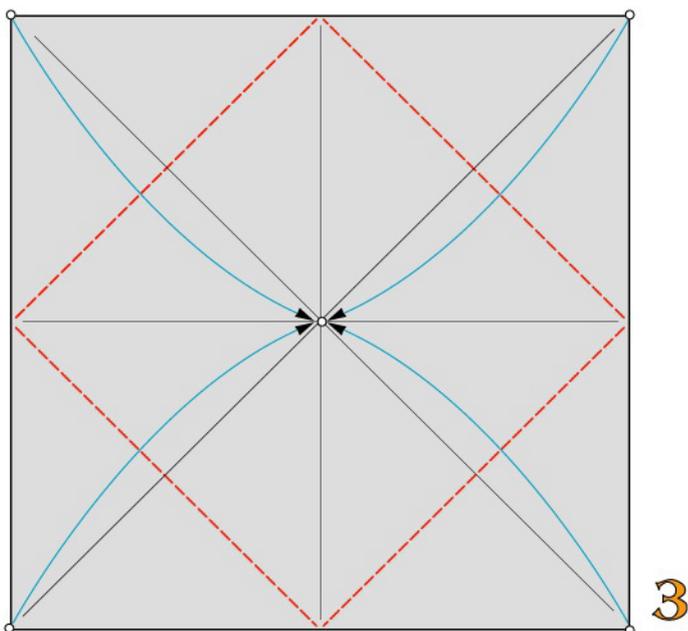
Modulo di bloccaggio "1"



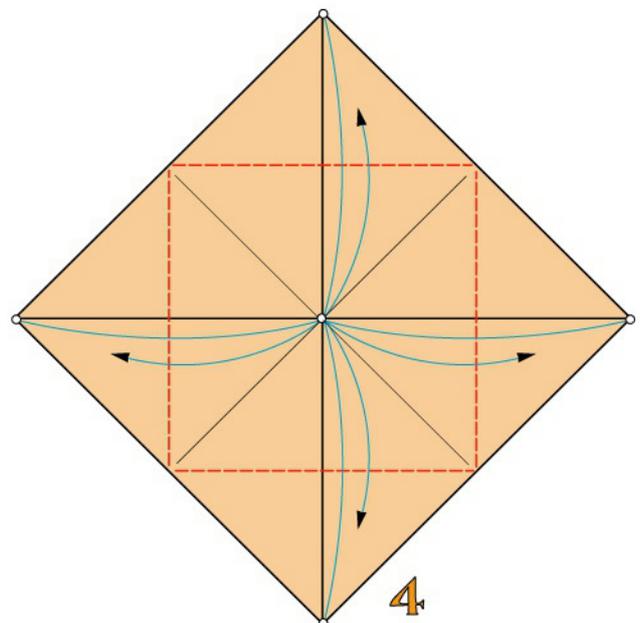
2 pieghe diagonali a valle



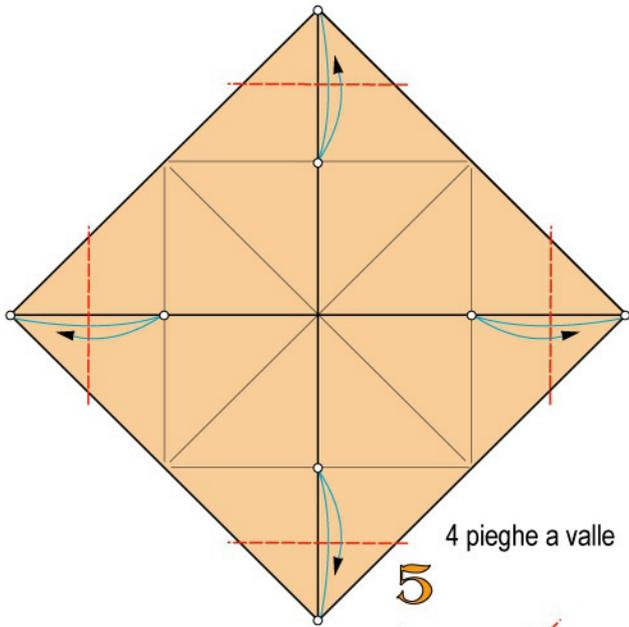
2 pieghe a valle



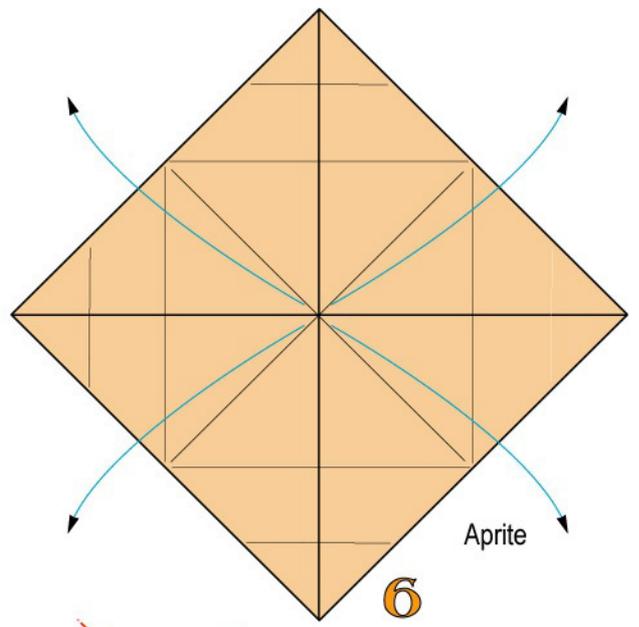
4 pieghe a valle



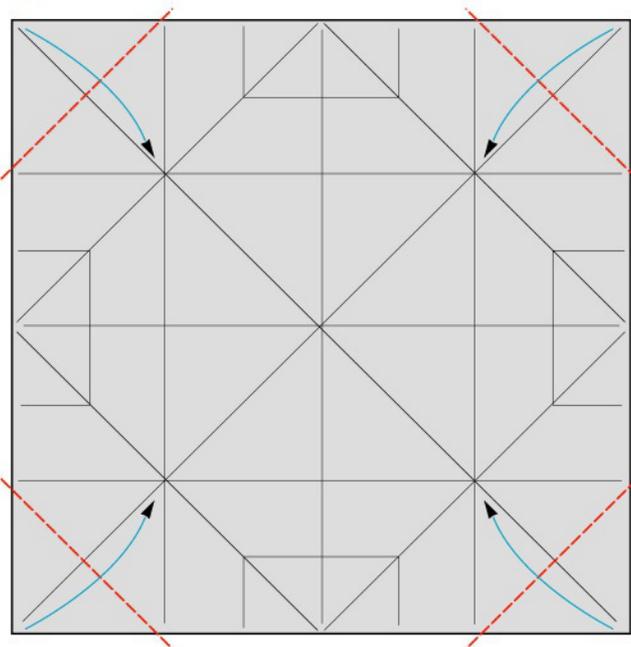
4 pieghe a valle



5

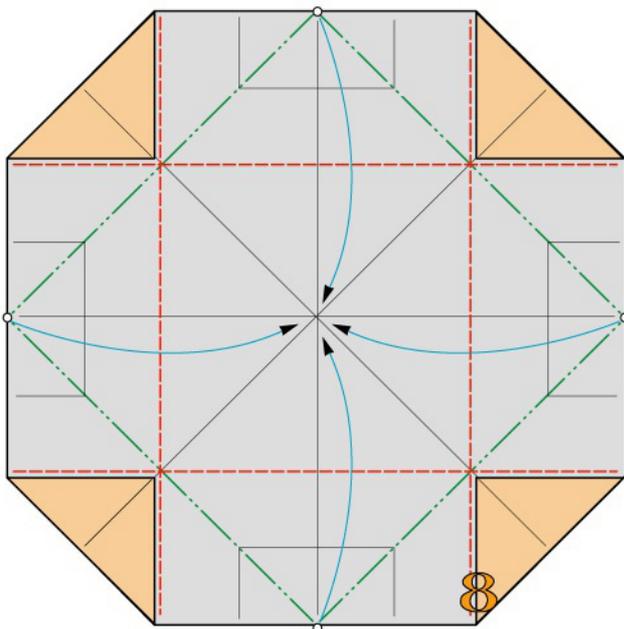


6



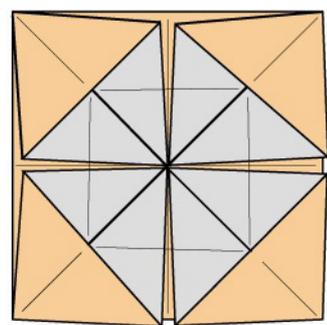
7

4 pieghe a valle



8

Ripiegate a valle e a monte



9

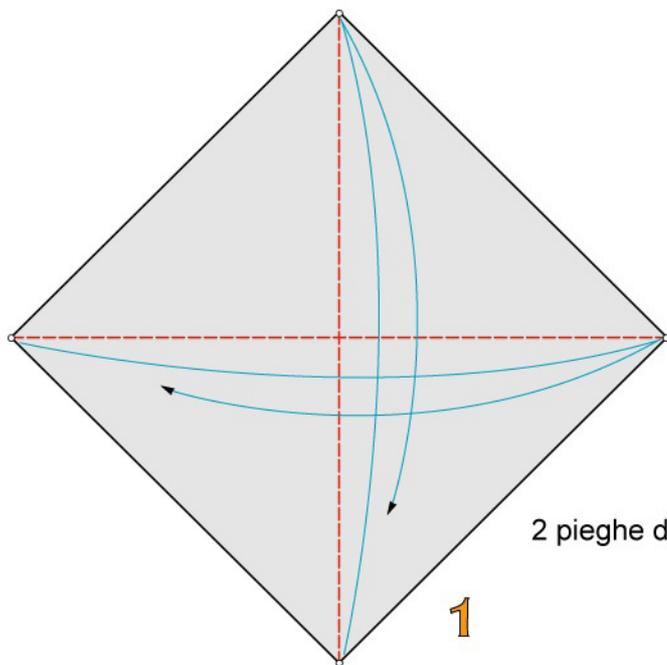
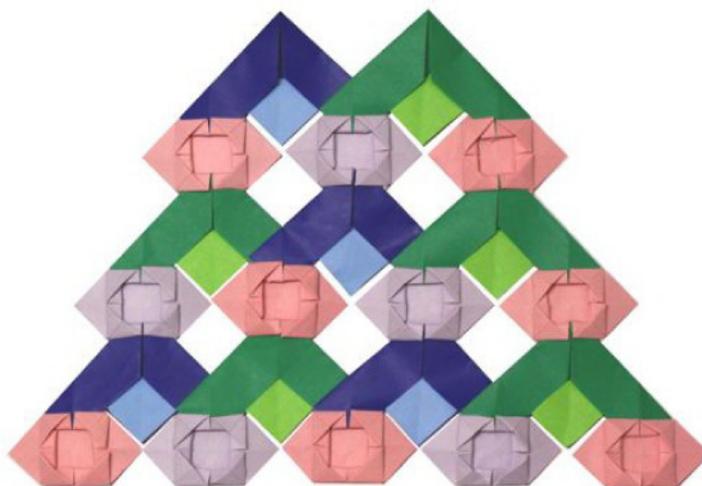
Modulo "1" ultimato

TASSELLAZIONE "A"

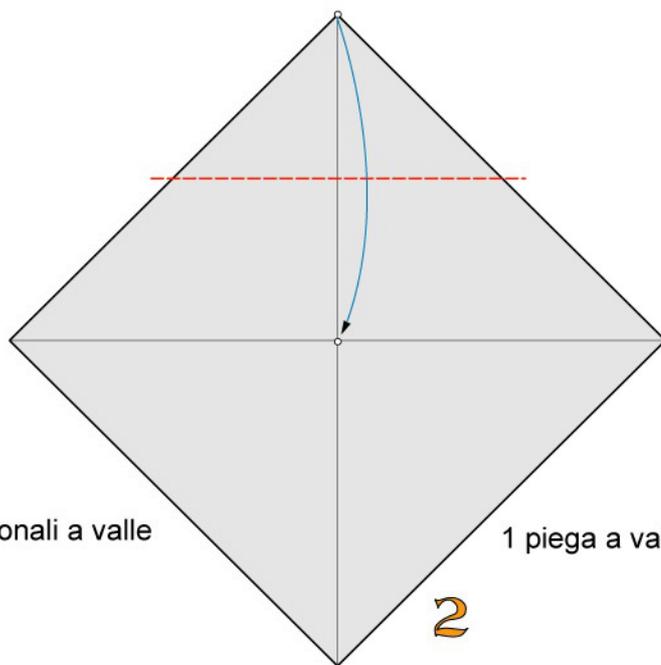
MODULARE TRAFORATA

Franco Pavarin 23

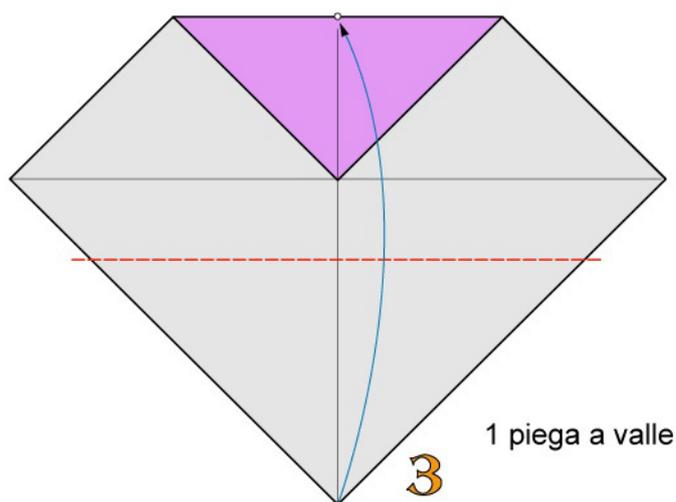
Si realizza unendo moduli "A" con moduli di bloccaggio.
Adoperate carta bicolore leggera per i moduli "A" e monocoloro di medio peso per i moduli di bloccaggio.



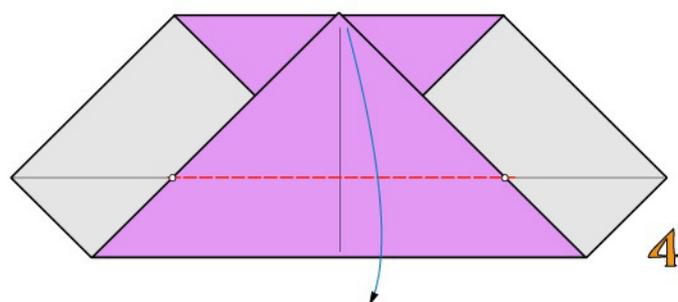
2 pieghe diagonali a valle



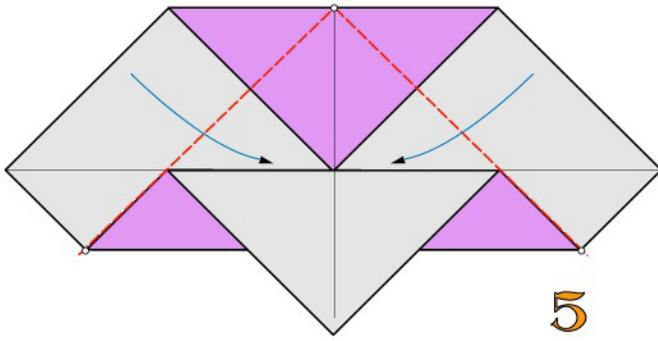
1 piega a valle



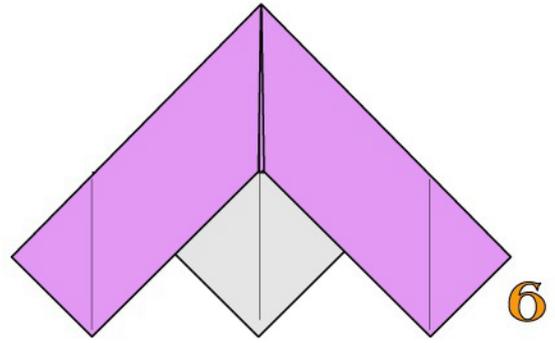
1 piega a valle



1 piega a valle



2 pieghe a valle

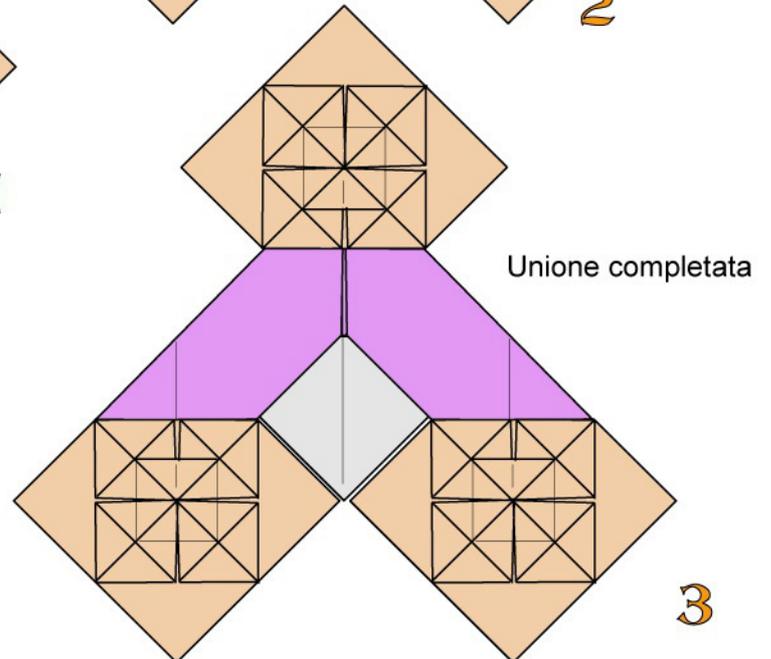
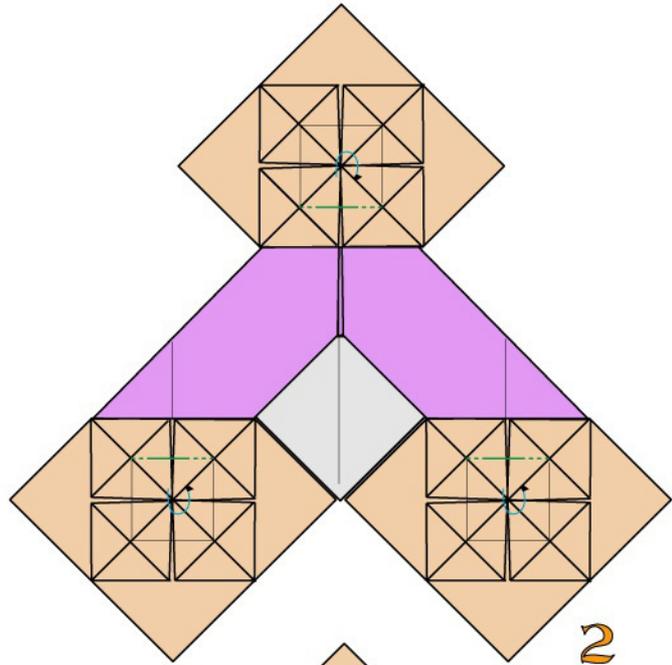
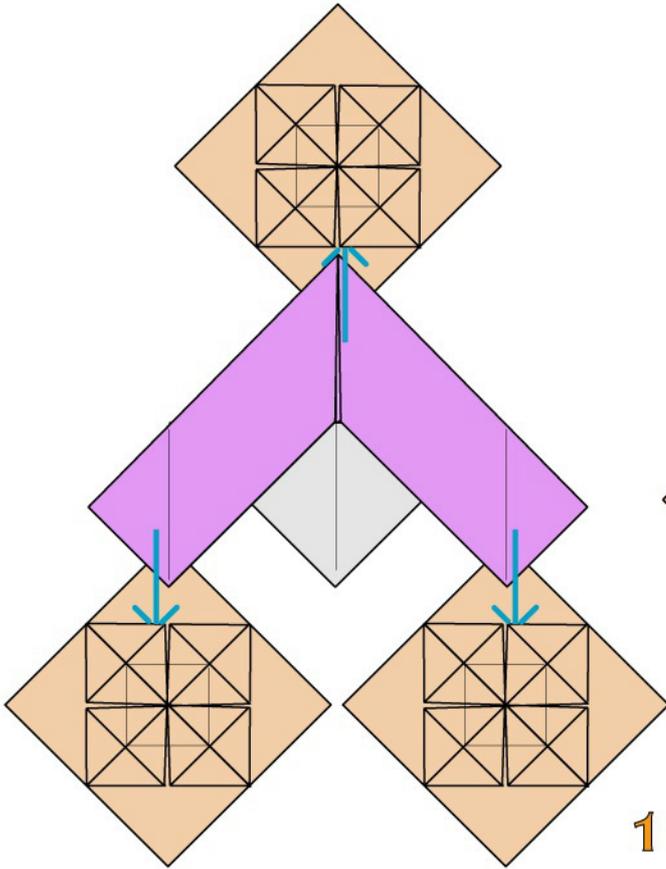


Modulo "A" ultimato

UNIONE DEI MODULI

Inserite i moduli "A" all'interno del modulo di bloccaggio

Mediante pieghe a monte bloccate l'unione

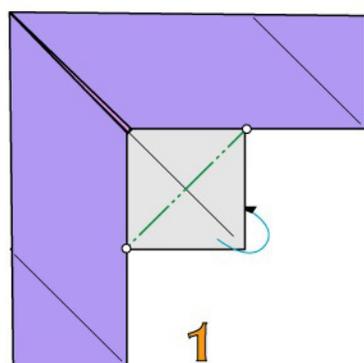
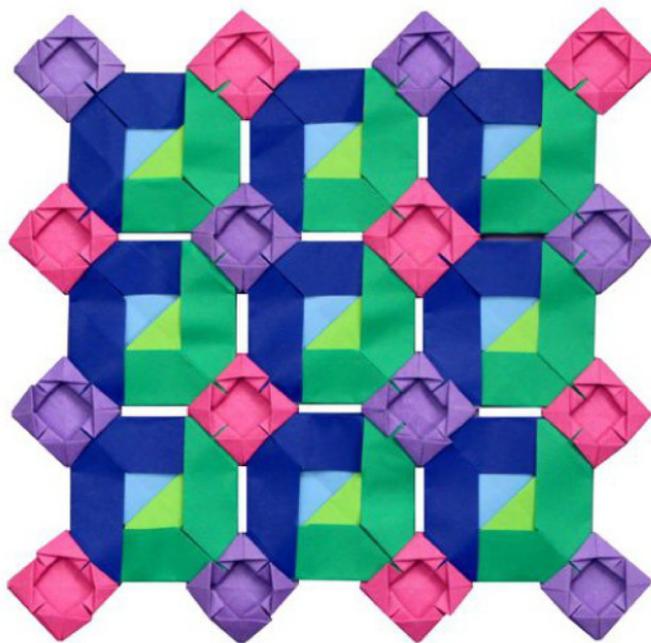


TASSELLAZIONE "A1"

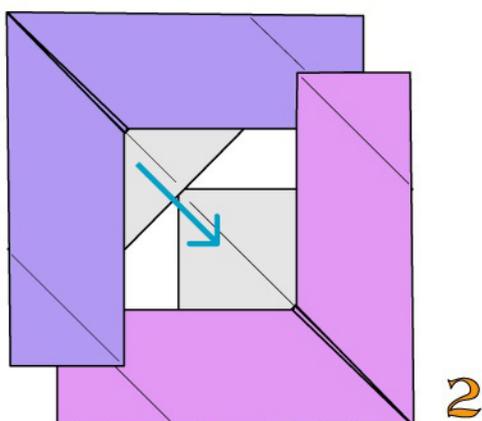
MODULARE COMPATTA

Franco Pavarin 23

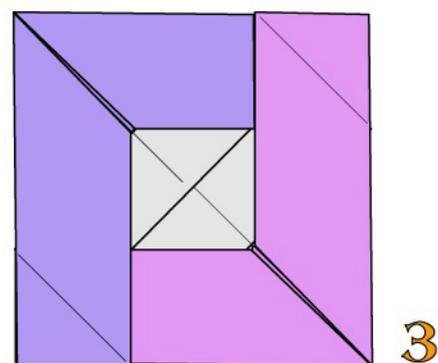
Si ottiene unendo moduli di bloccaggio e moduli composti formati da due moduli "A", di cui uno modificato.



Modulo "A". 1 piega a monte



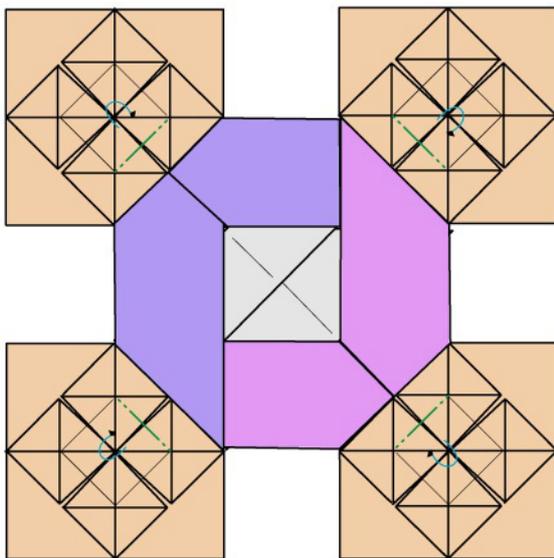
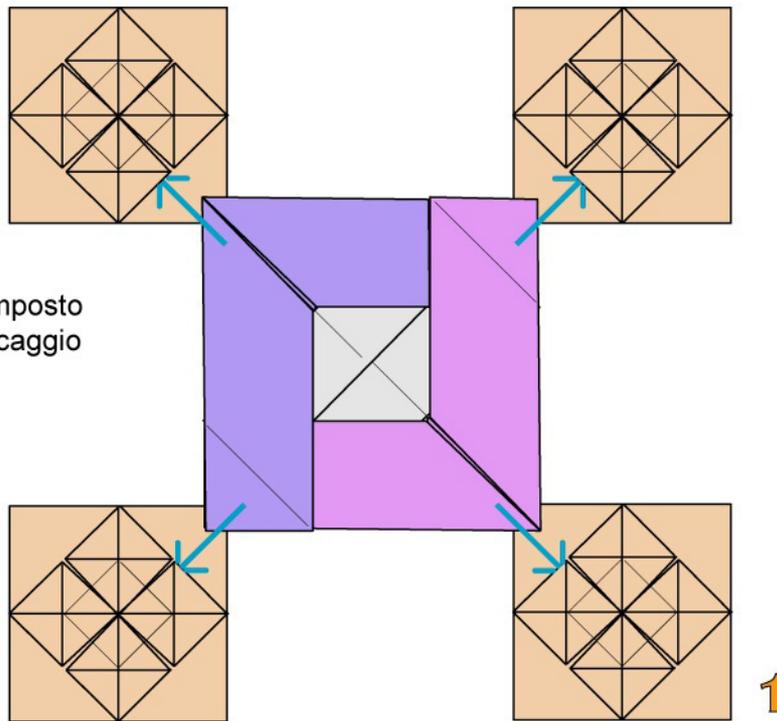
Unite il modulo "A" modificato con un modulo "A"



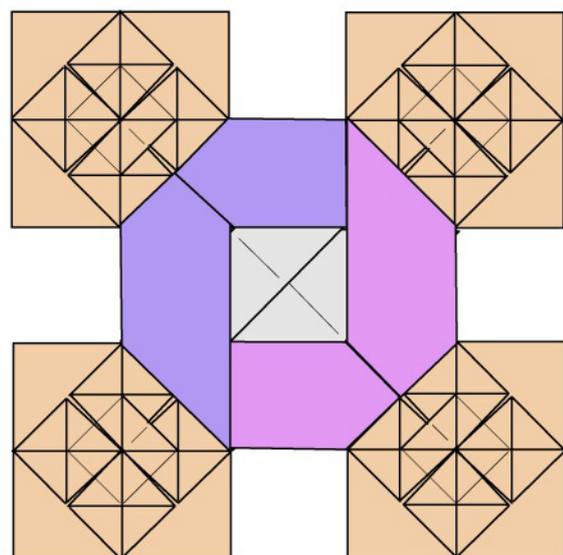
Modulo "A" composto ultimato

UNIONE DEI MODULI

Inserite il modulo composto
entro 4 moduli di bloccaggio



Mediante pieghe a monte bloccate l'unione



Unione completata

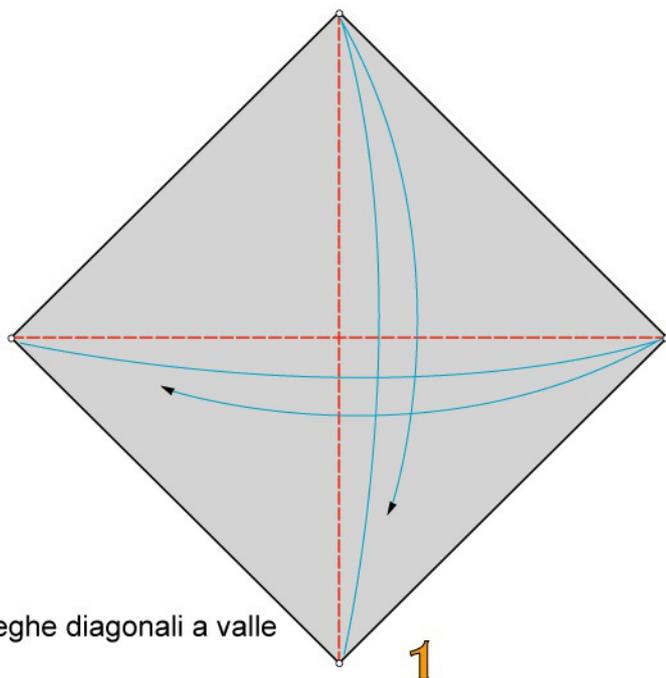
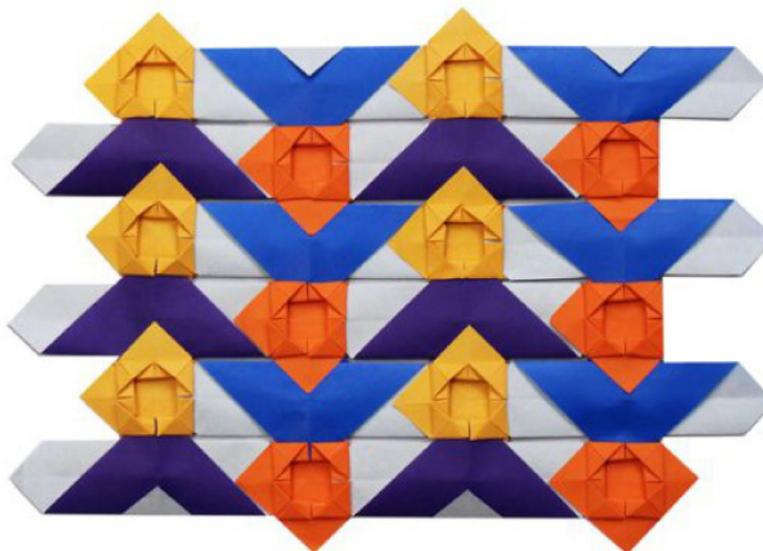
TASSELLAZIONE "B"

MODULARE COMPATTA

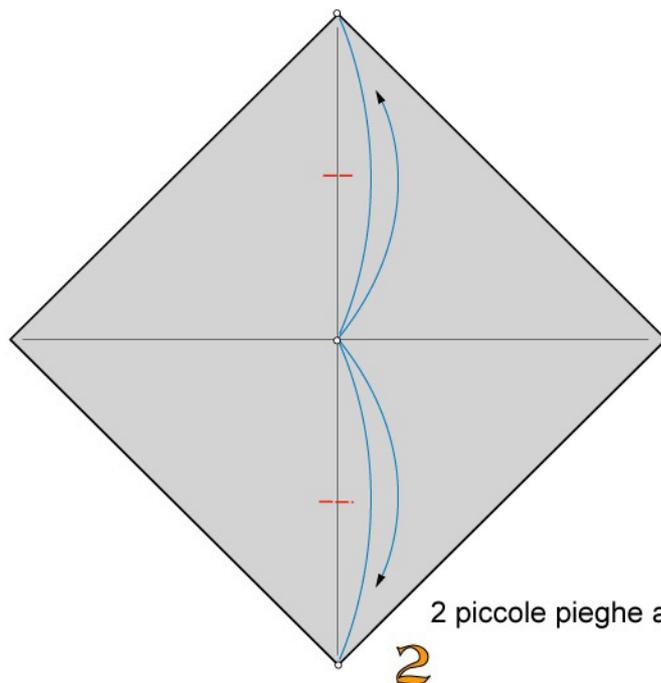
Franco Pavarin 23

Si realizza unendo moduli "B" con moduli di bloccaggio.

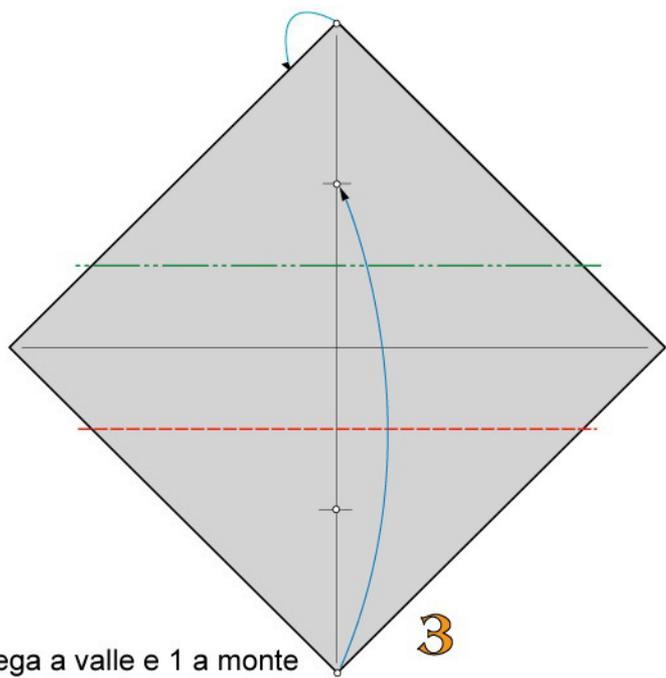
Adoperate carta bicolore leggera per i moduli "A" e monocolore di medio peso per i moduli di bloccaggio



2 pieghe diagonali a valle

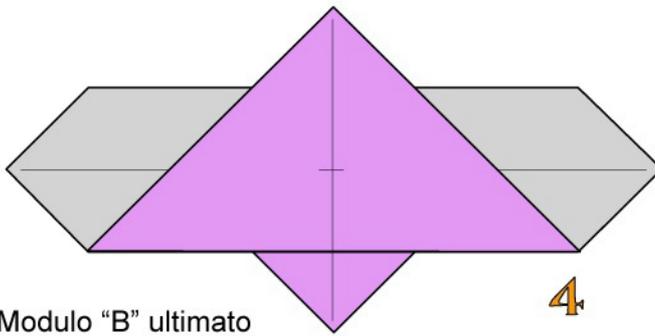


2 piccole pieghe a valle



1 piega a valle e 1 a monte

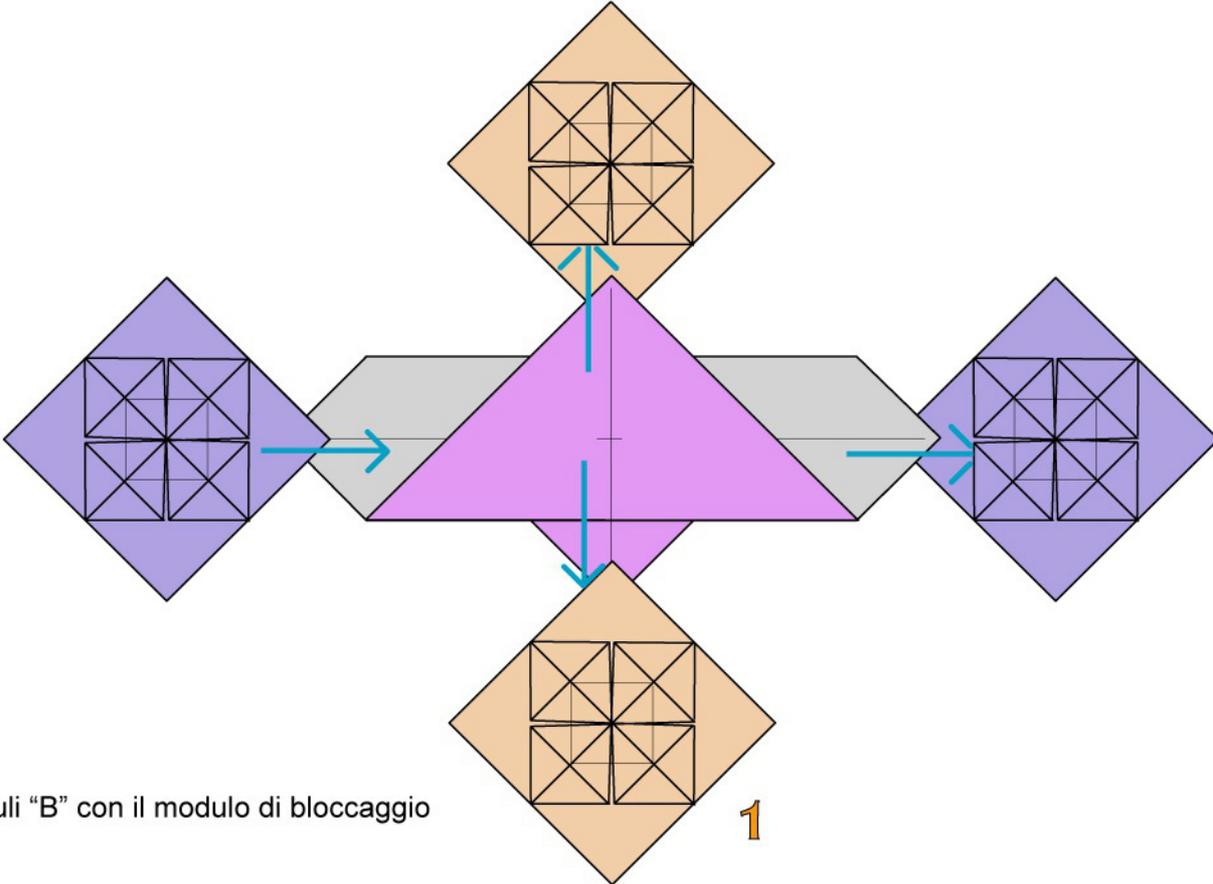
3



Modulo "B" ultimato

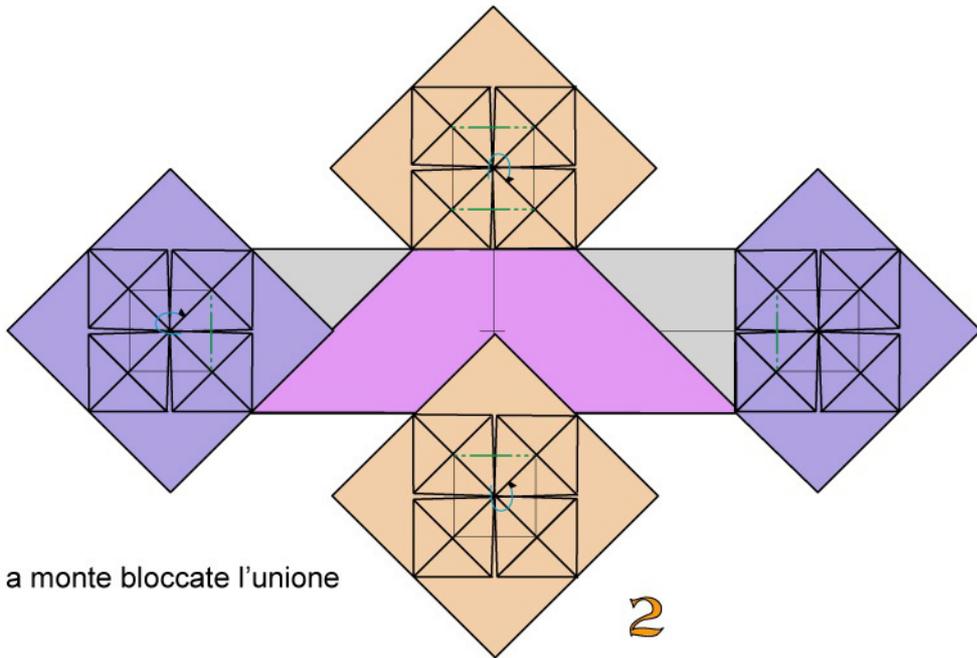
4

UNIONE DEI MODULI

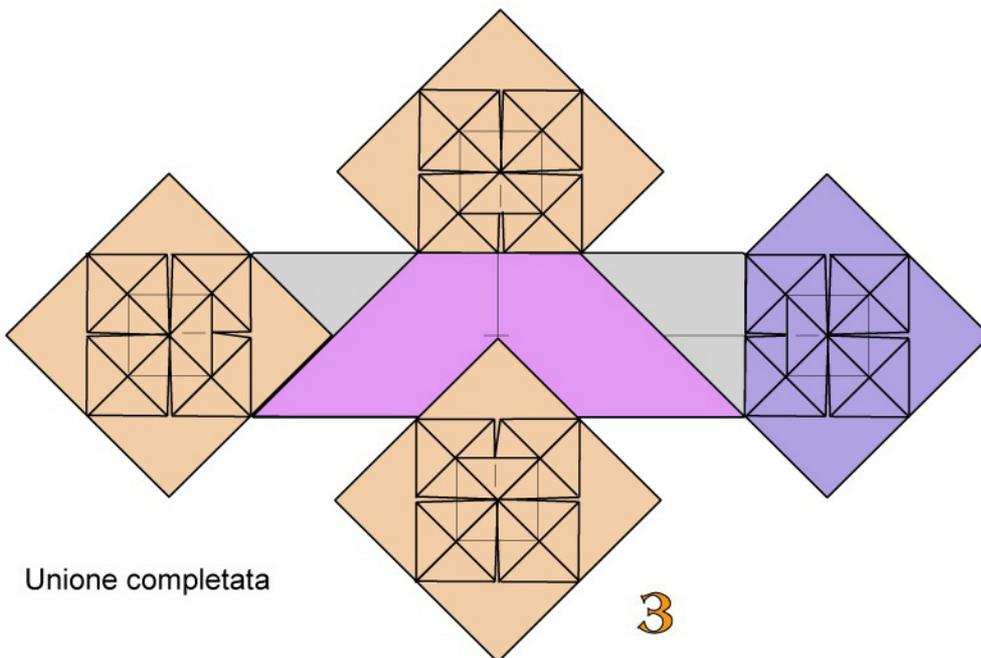


Unite 4 moduli "B" con il modulo di bloccaggio

1



Mediante pieghe a monte bloccate l'unione



Unione completata

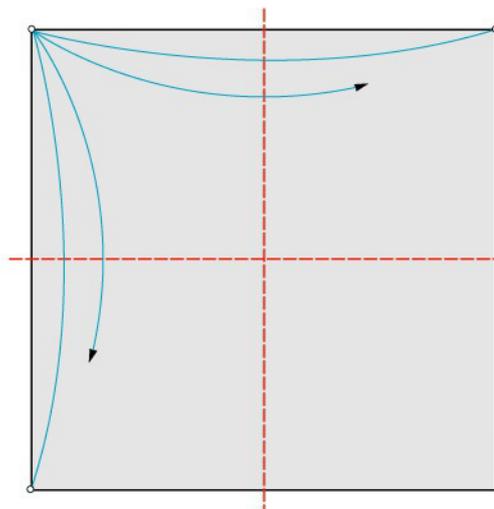
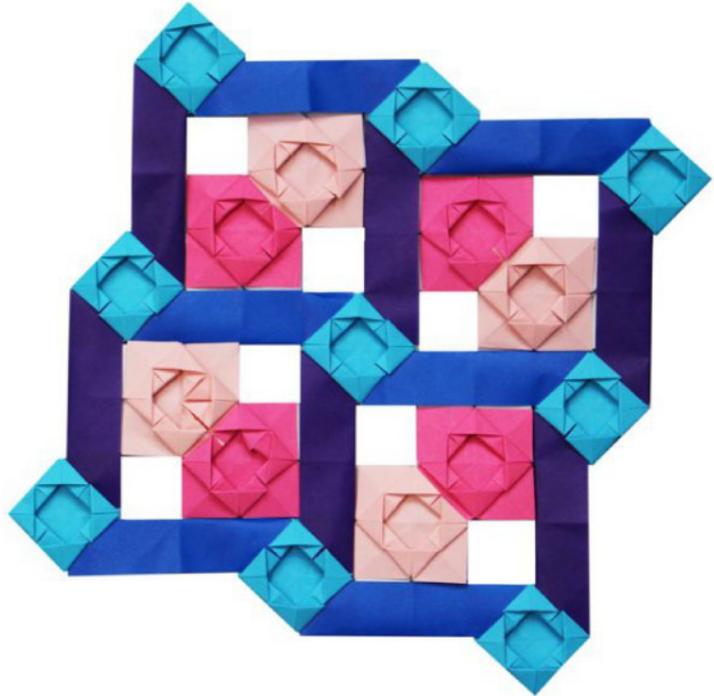
TASSELLAZIONE "C"

MODULARE TRAFORATA

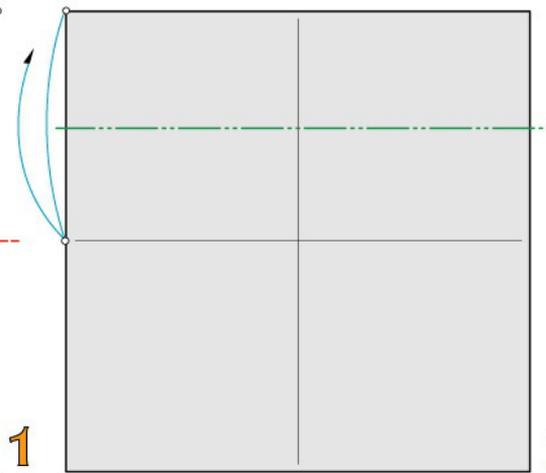
Franco Pavarin 23

Si realizza unendo moduli "C" con moduli di bloccaggio.

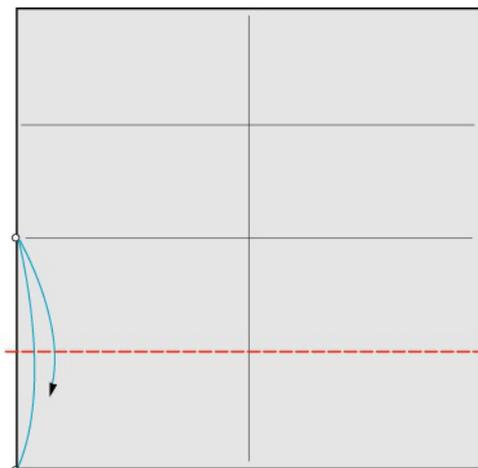
Adoperate carta bicolore leggera per i moduli "C" e monocolori di medio peso per i moduli di bloccaggio.



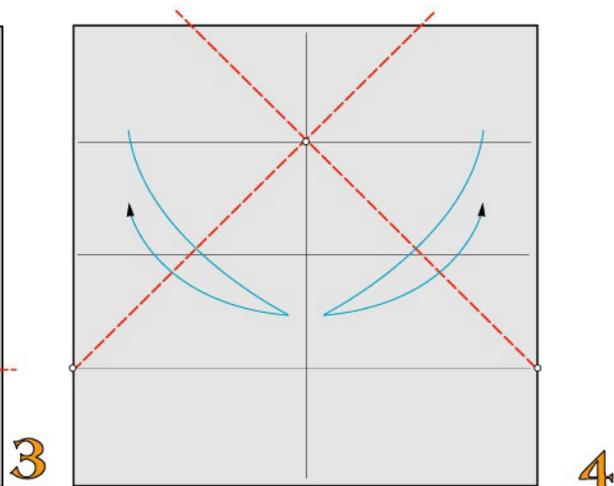
2 pieghe a valle



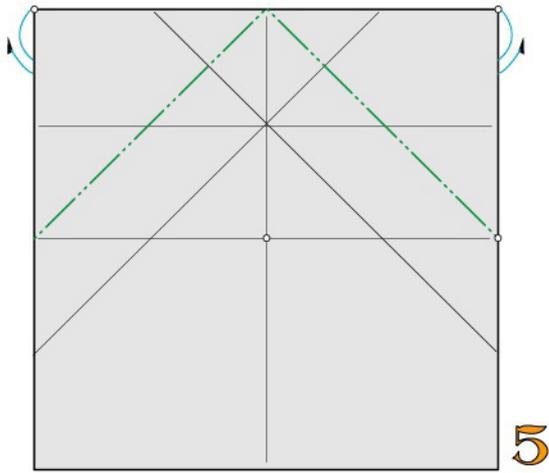
1 piega a monte



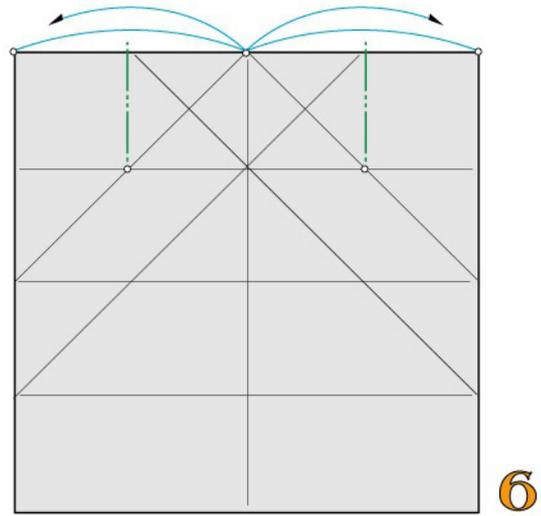
1 piega a valle



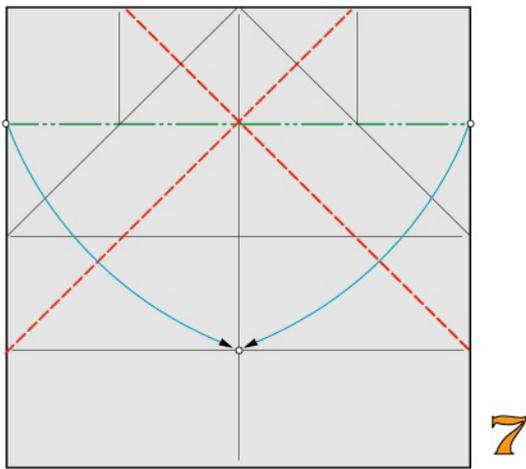
2 pieghe a valle



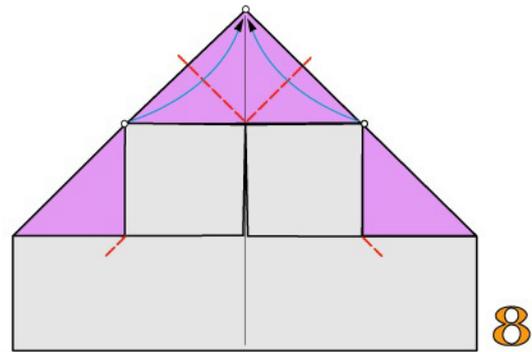
2 pieghe a monte



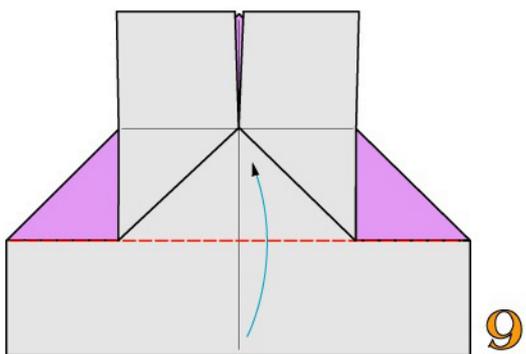
2 pieghe a monte



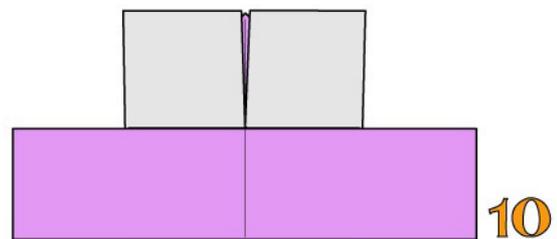
Ripiegate a valle a monte



4 pieghe a valle

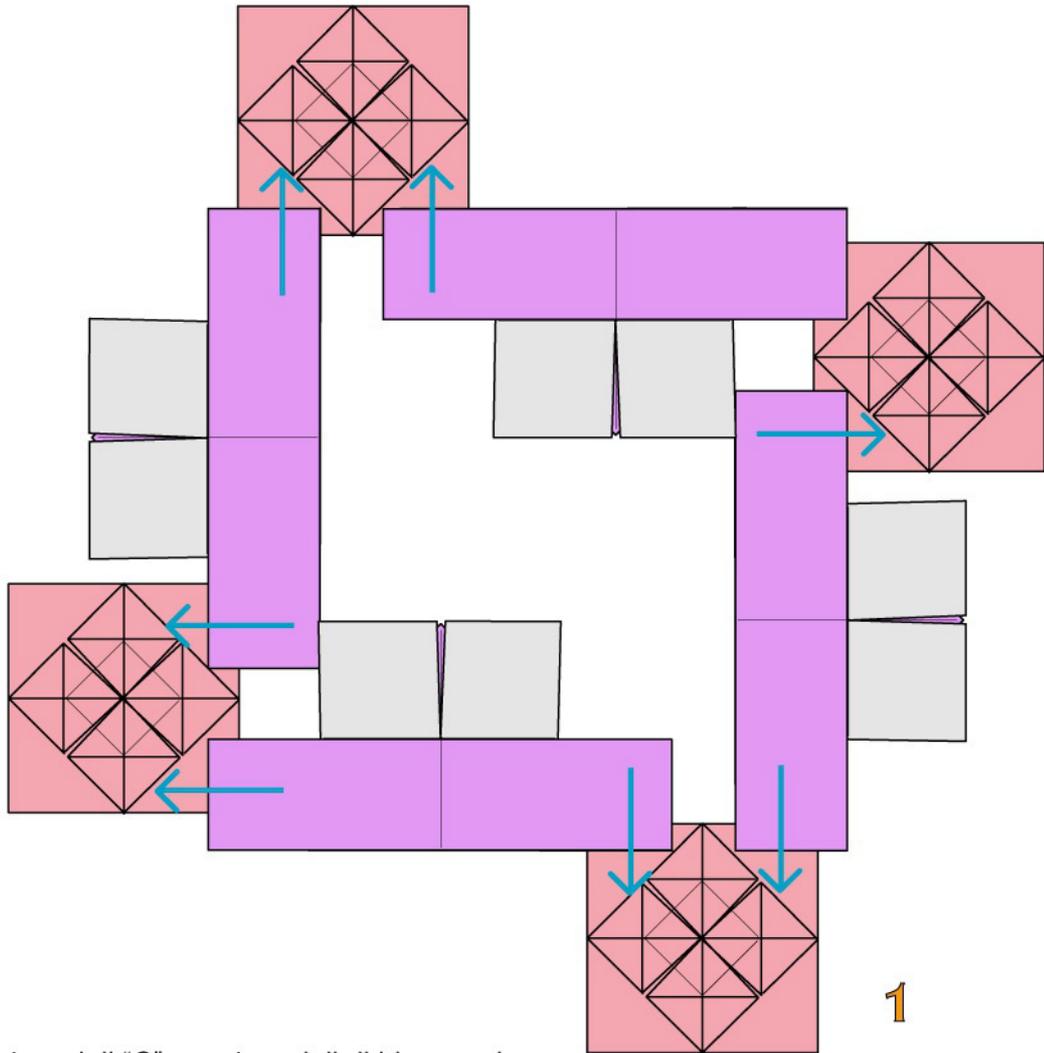


1 piega a valle

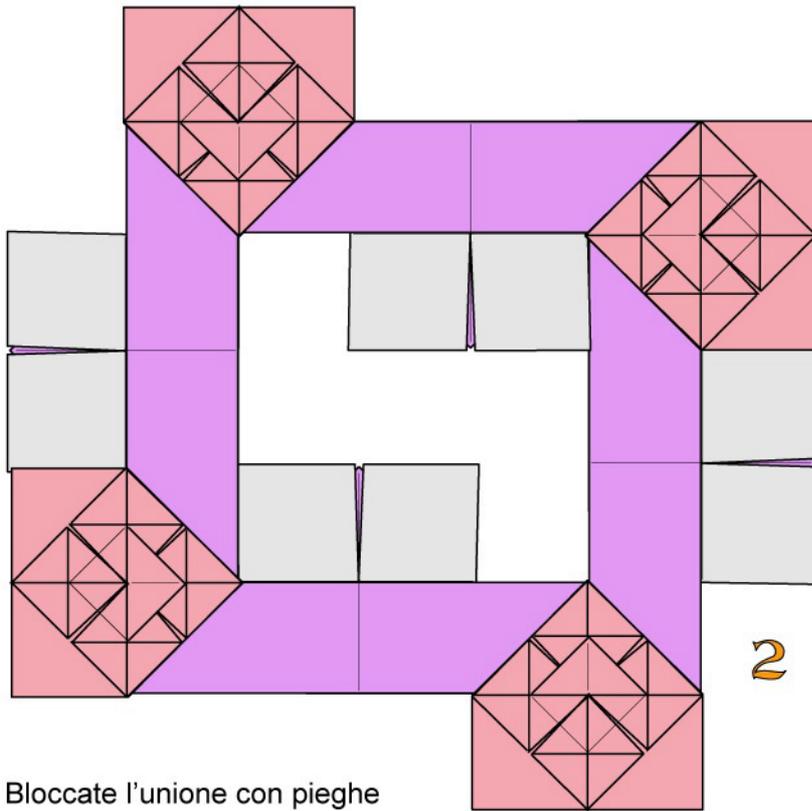


Modulo "C" ultimato

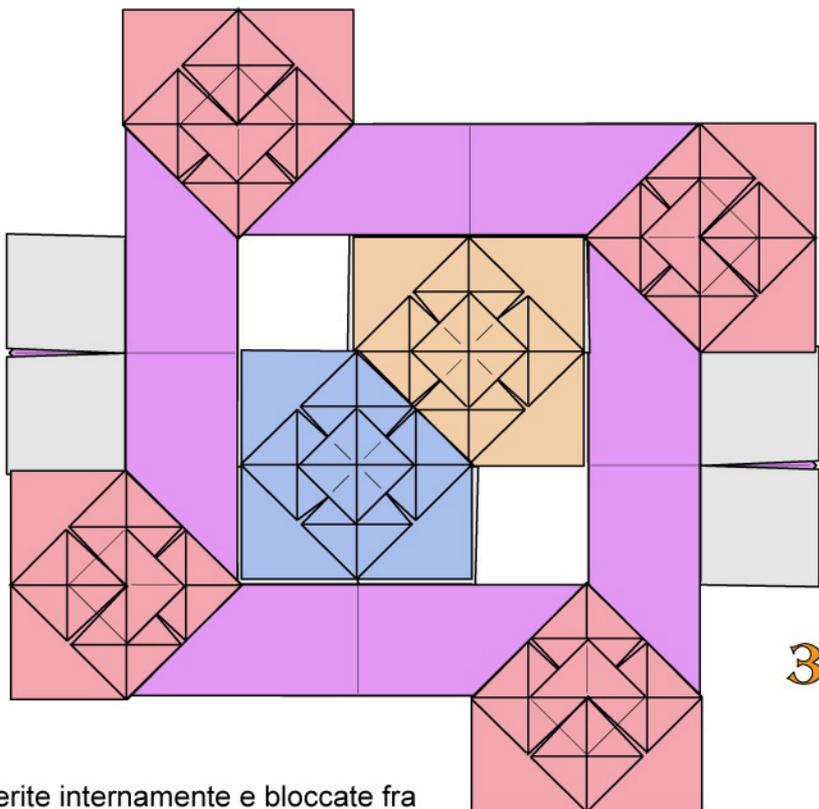
UNIONE DEI MODULI



Unite 4 moduli "C" con 4 moduli di bloccaggio



Bloccate l'unione con pieghe a monte nel solito modo



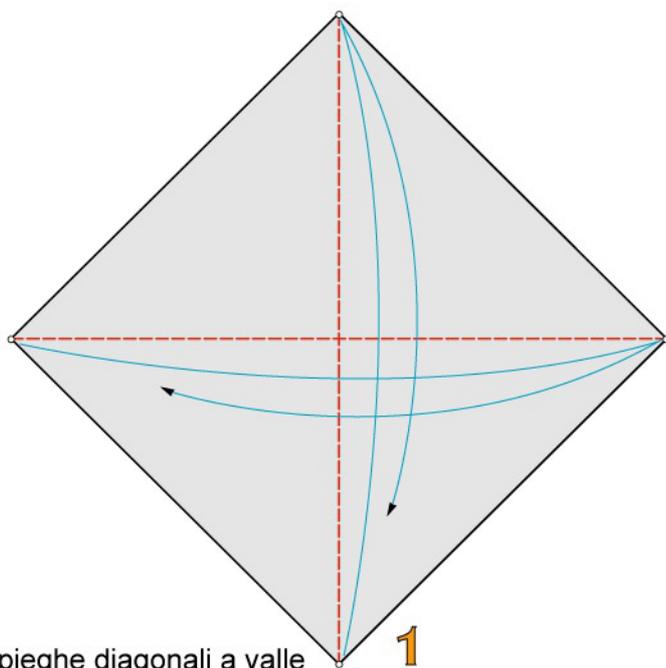
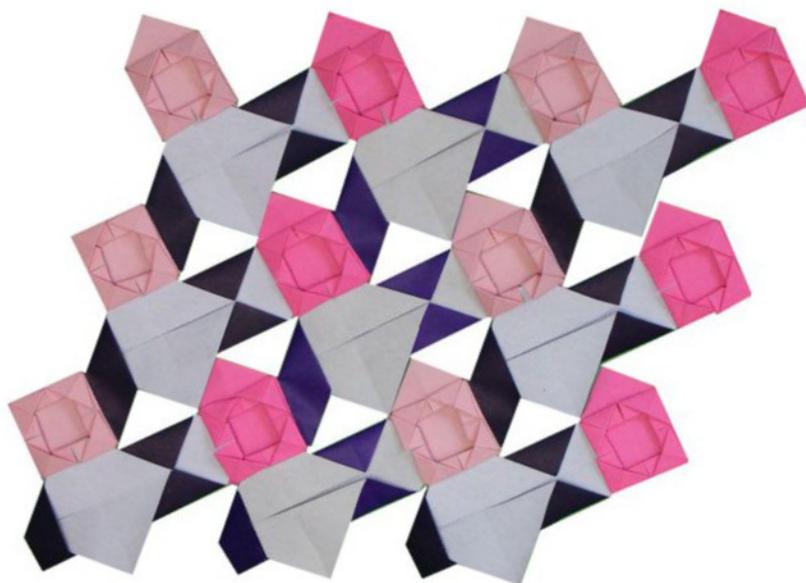
Inserite internamente e bloccate fra di loro altri 2 moduli di bloccaggio

TASSELLAZIONE "D"

MODULARE TRAFORATA

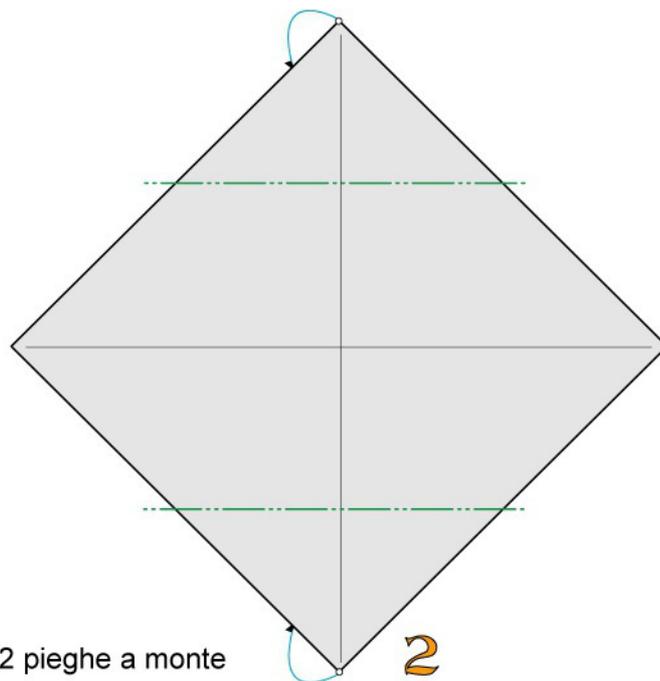
Franco Pavarin 23

Si realizza unendo moduli "D" con moduli di bloccaggio.
Adoperate carta monocolore leggera o bicolore per i moduli "D" e di medio peso per i moduli di bloccaggio



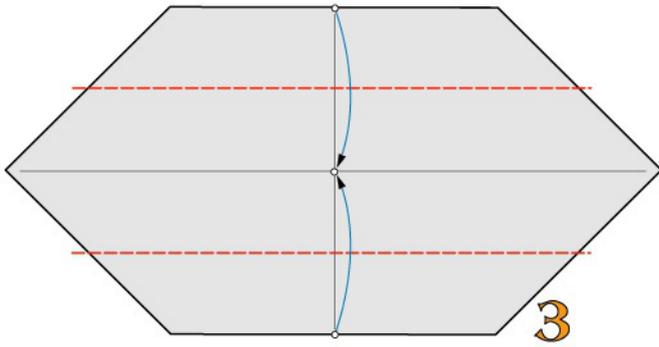
2 pieghe diagonali a valle

1

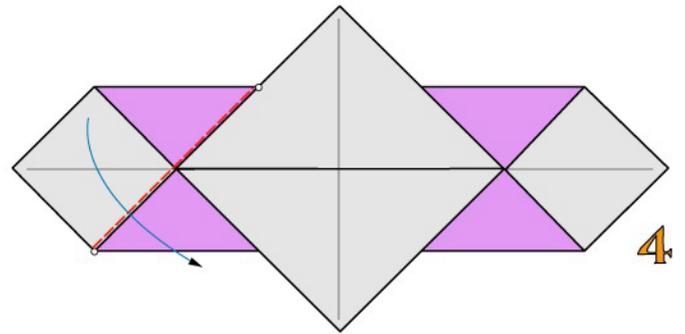


2 pieghe a monte

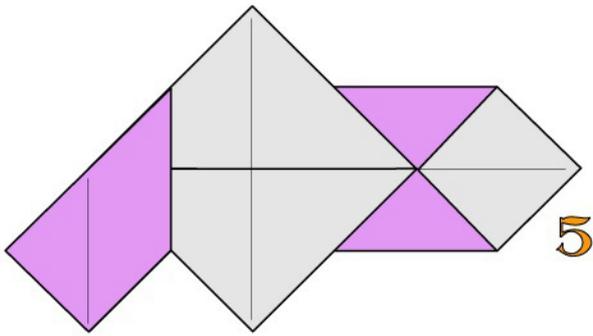
2



2 pieghe a valle solo sulla superficie in vista

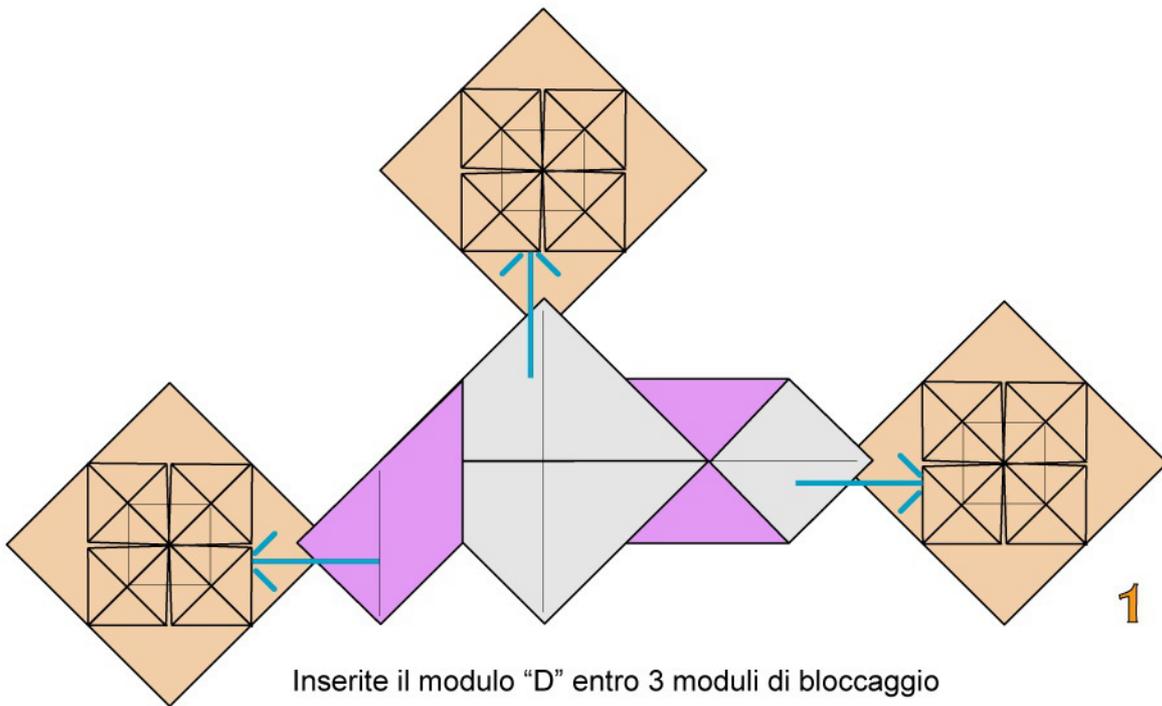


1 piega a valle

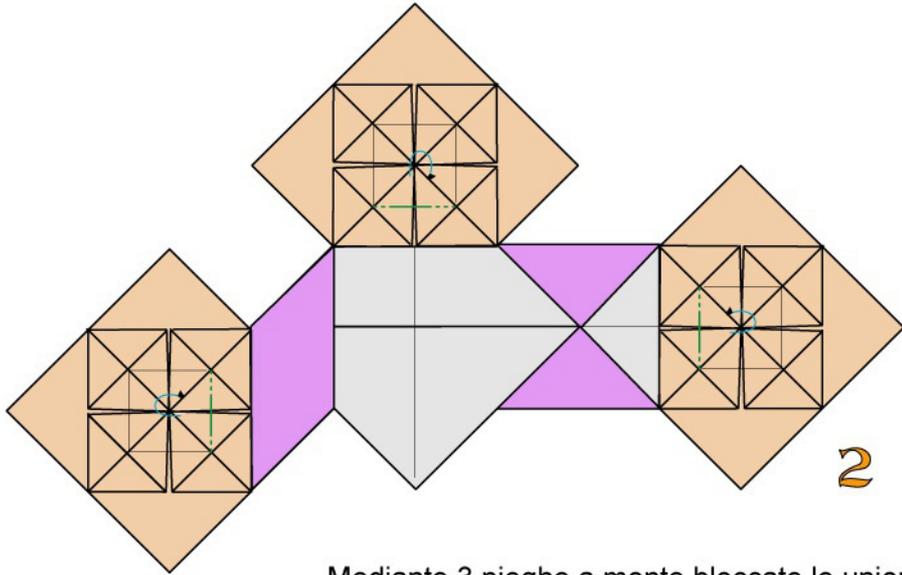


Modulo "D" ultimato

UNIONE DEI MODULI

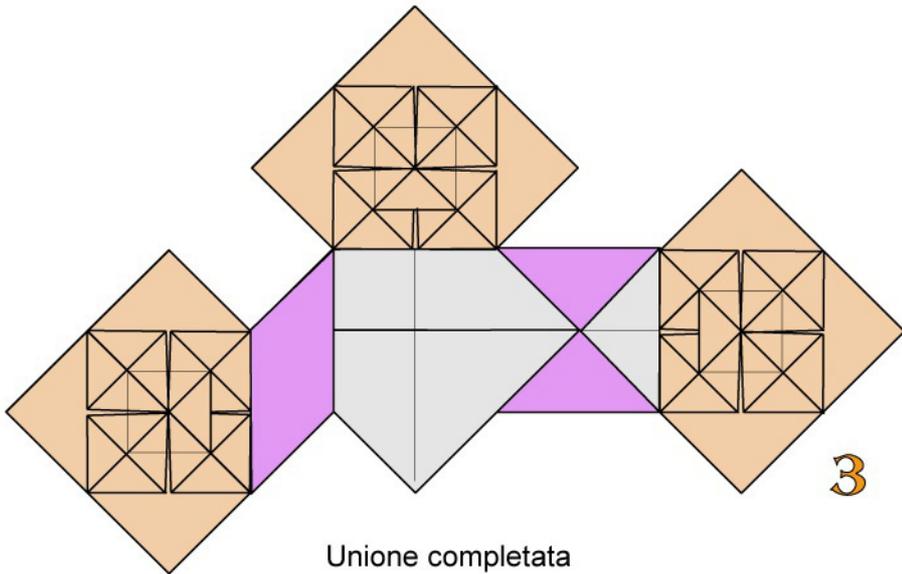


Inserite il modulo "D" entro 3 moduli di bloccaggio



2

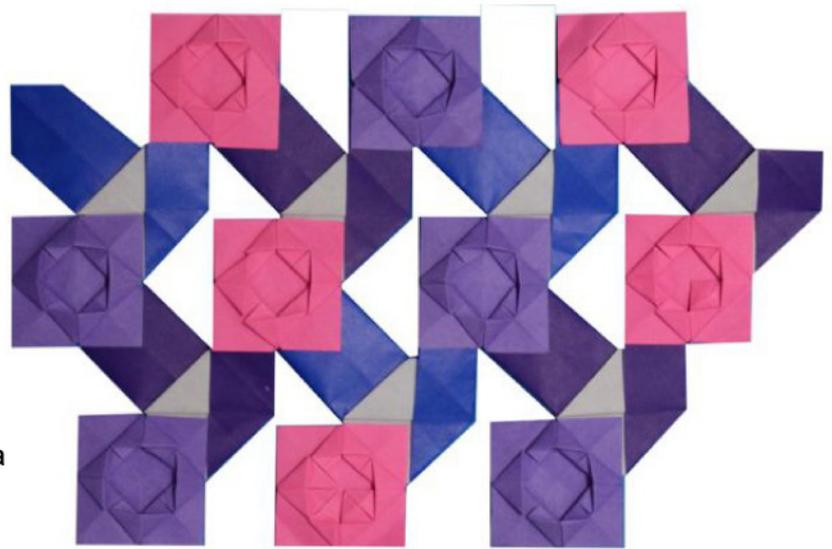
Mediante 3 pieghe a monte bloccate le unioni



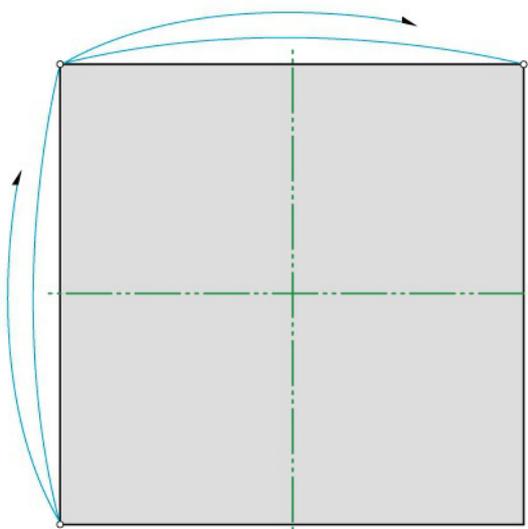
3

Unione completata

TASSELLAZIONE "E"

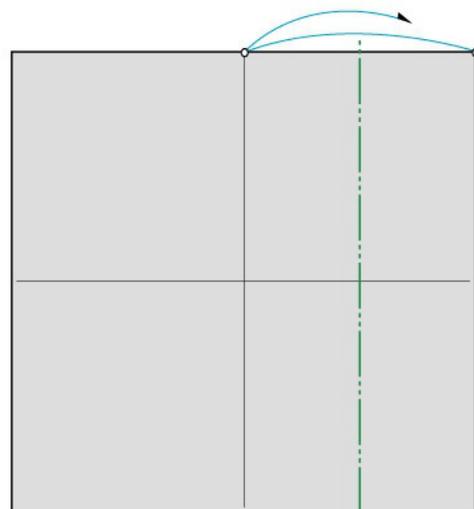


Si realizza unendo moduli "E" con moduli di bloccaggio.
Adoperate carta monocolore leggera o bicolore per i moduli "E" e di medio peso per i moduli di bloccaggio



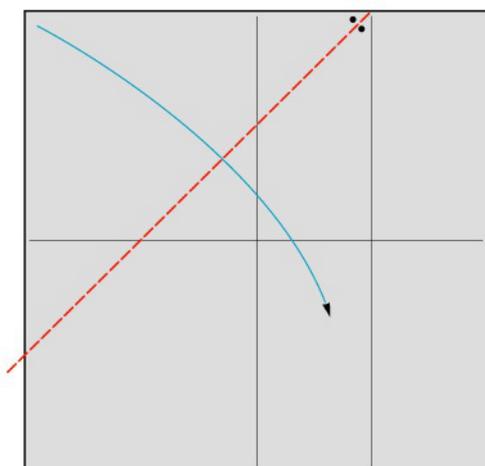
2 pieghe a monte

1



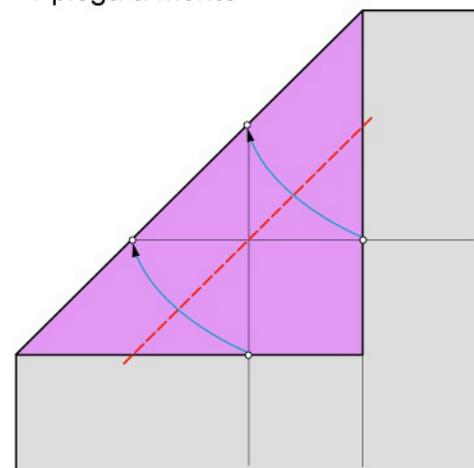
2

1 piega a monte



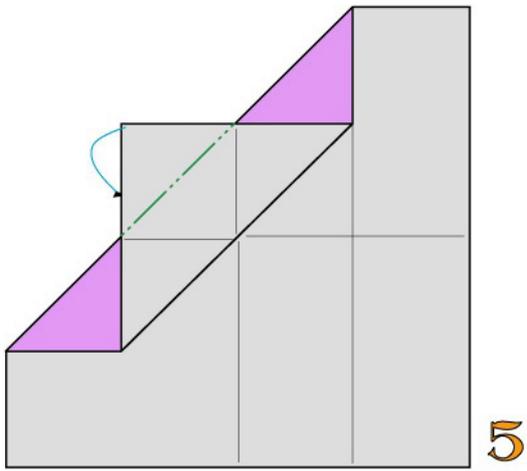
1 piega bisettrice a valle

3

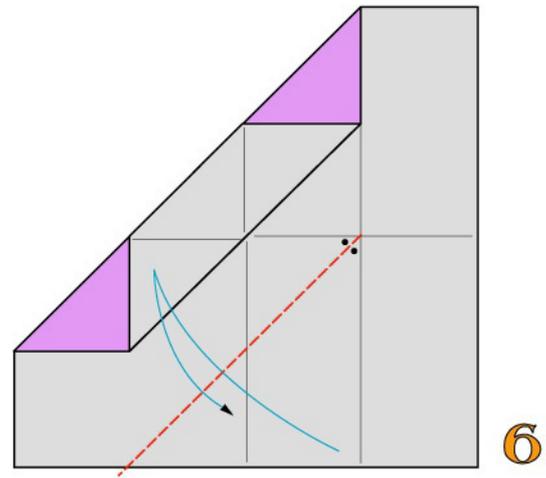


1 piega a valle

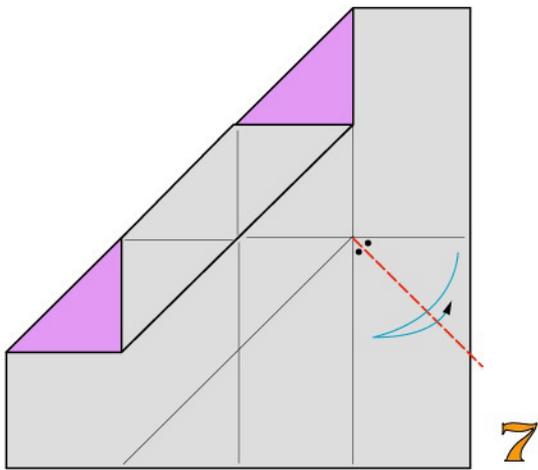
4



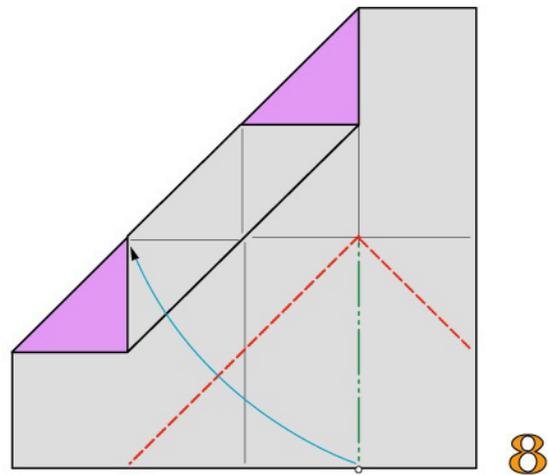
1 piega a monte



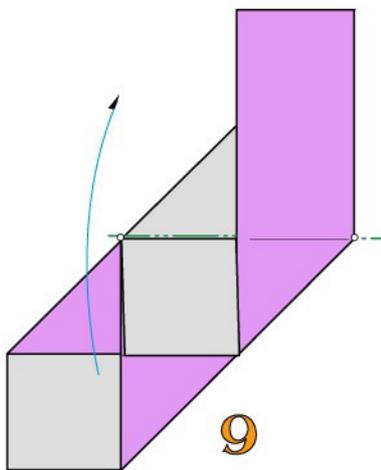
1 piega bisettrice a valle



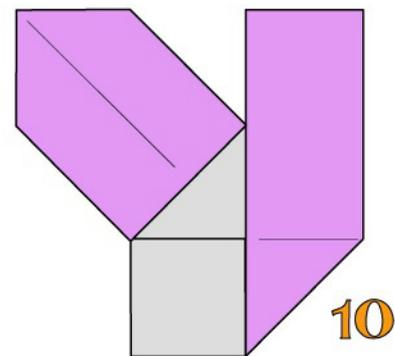
1 piega bisettrice a valle



Ripiegate a valle e a monte

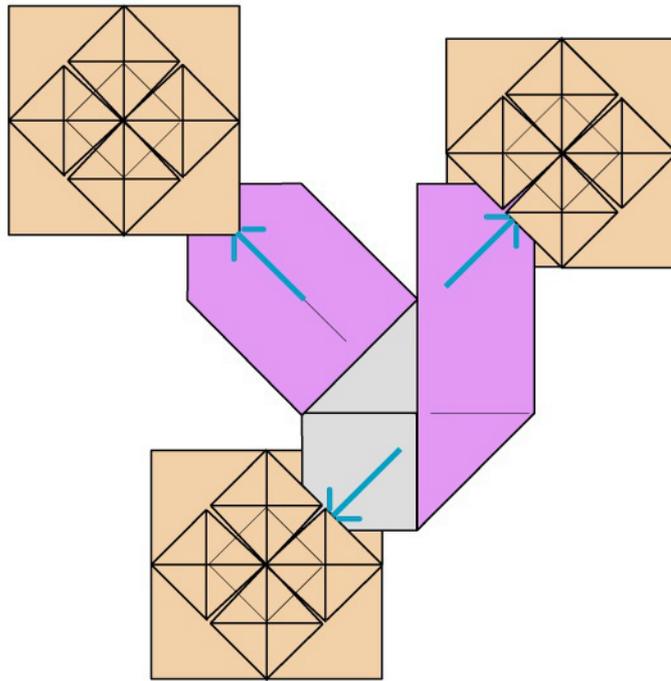


1 piega a monte

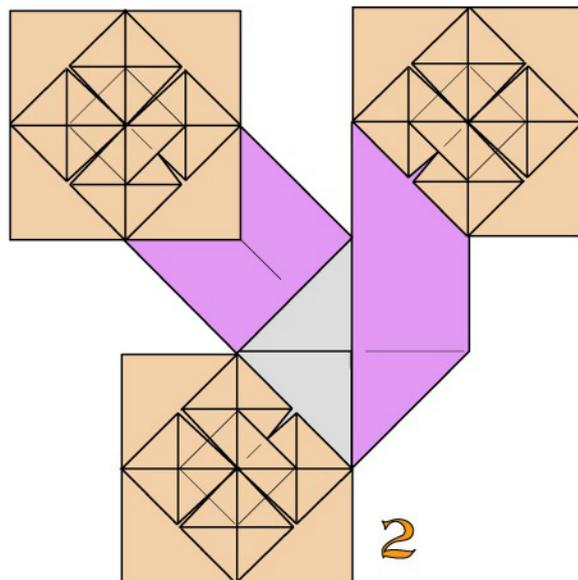


Modulo "E" ultimato

UNIONE DEI MODULI



Inserite il modulo "E" entro 3 moduli di bloccaggio ¹

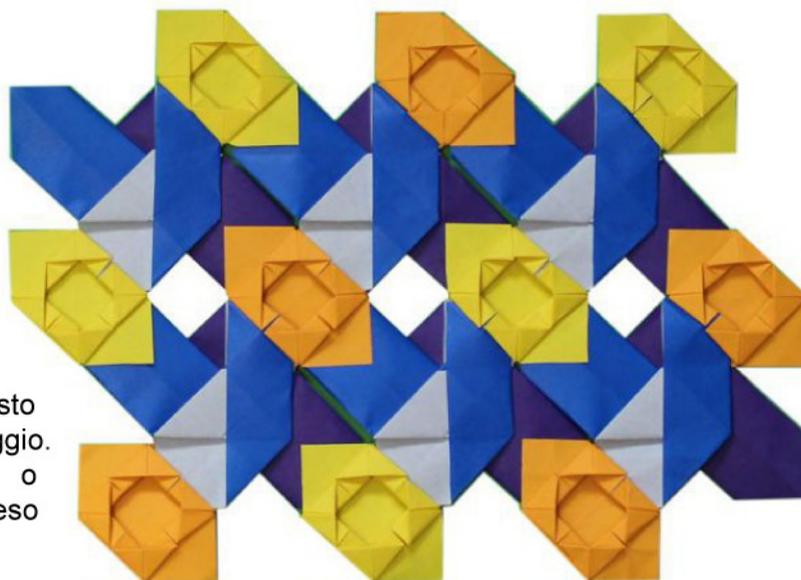


Bloccate l'unione nel solito modo con pieghe a monte. Unione completata

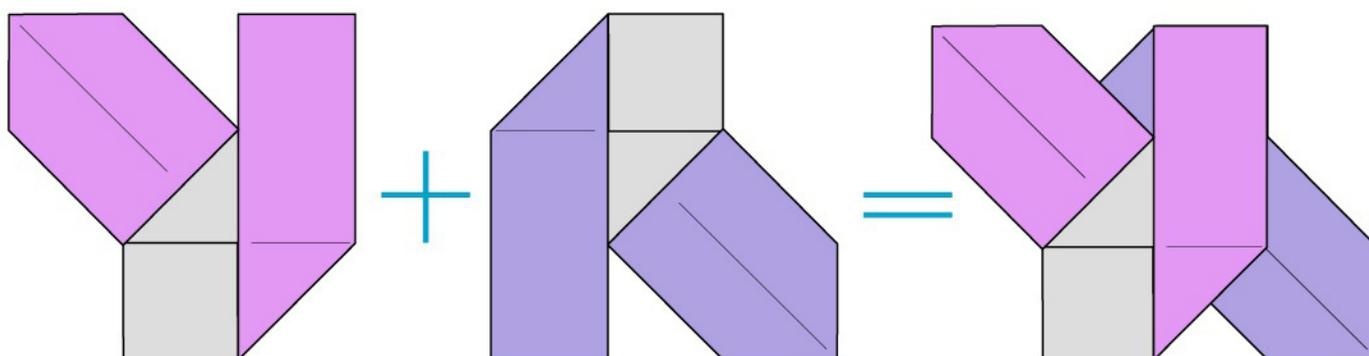
TASSELLAZIONE "€1"

MODULARE TRAFORATA

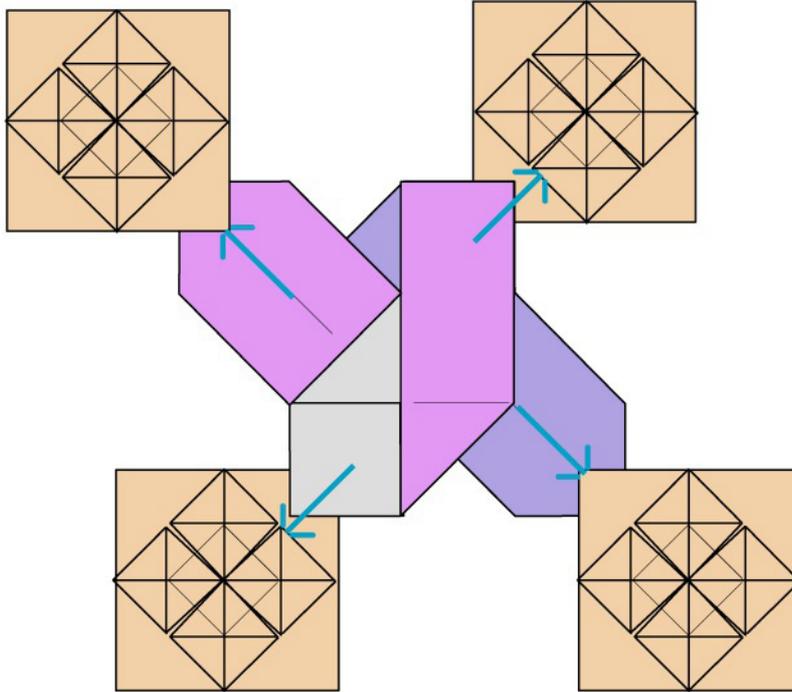
Franco Pavarin 23



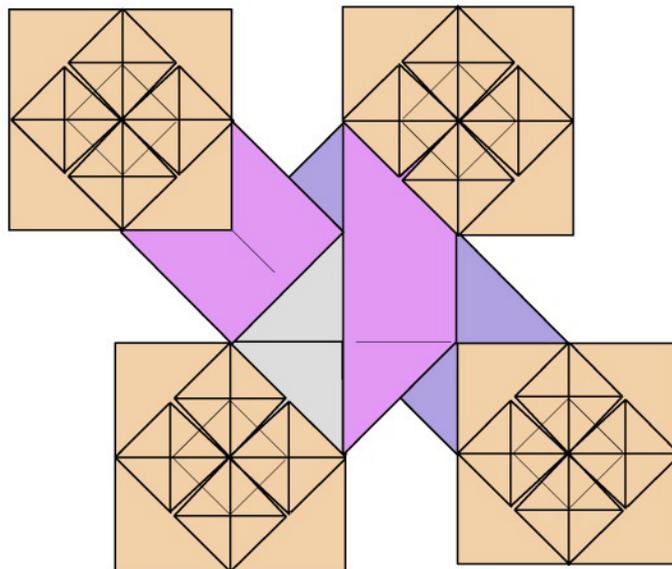
Si realizza unendo un modulo composto da 2 moduli "E" con 1 modulo di bloccaggio. Adoperate carta monocolore leggera o bicolore per i moduli "E" e di medio peso per i moduli di bloccaggio



UNIONE DEI MODULI



Inserite il modulo "E" entro 4 moduli di bloccaggio



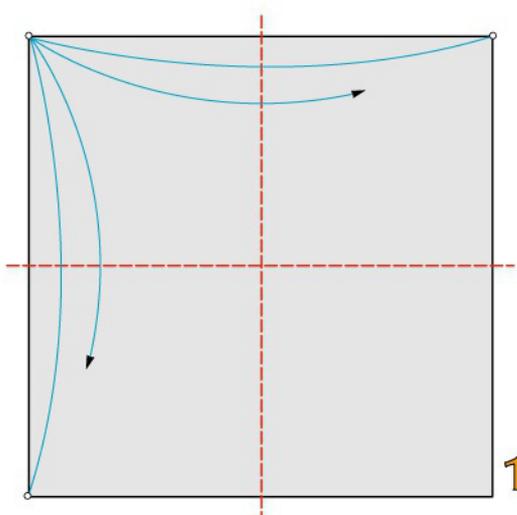
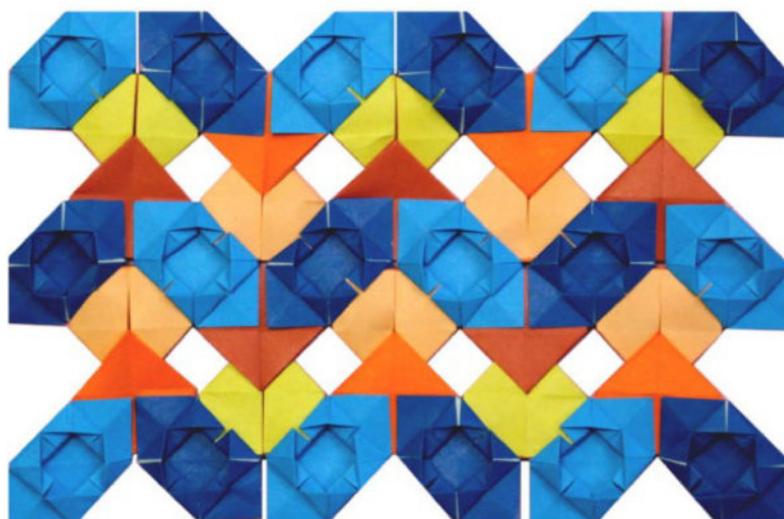
Bloccate l'unione nel solito modo con pieghe a monte. Unione completata

TASSELLAZIONE "F"

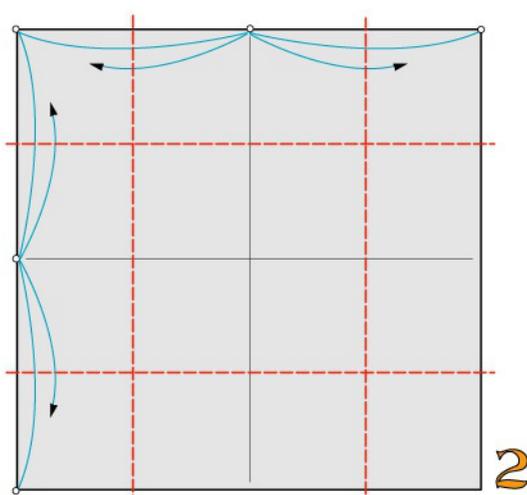
MODULARE TRAFORATA

Franco Pavarin 23

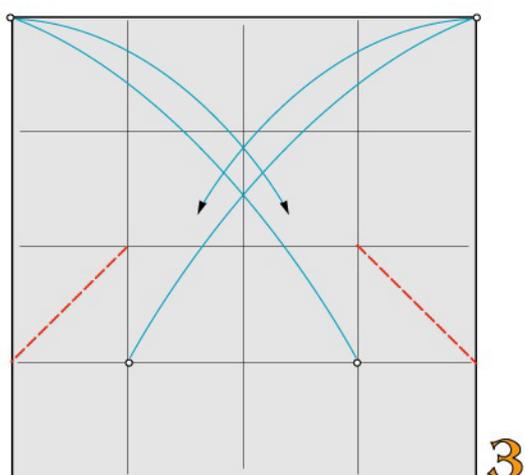
Si realizza unendo moduli "F" con moduli di bloccaggio.
Adoperare carta bicolore leggera per i moduli "F" e monocolori di medio peso per i moduli di bloccaggio.



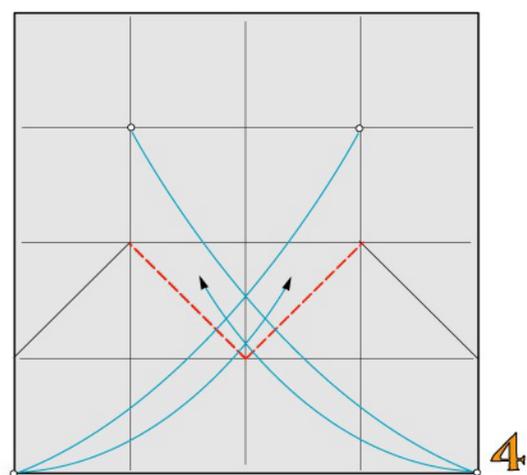
2 pieghe a valle



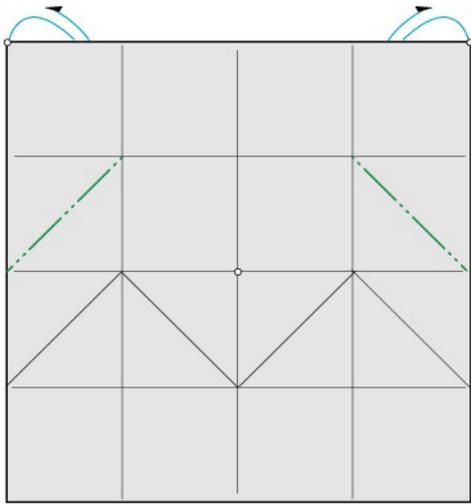
4 pieghe a valle



2 pieghe diagonali a valle

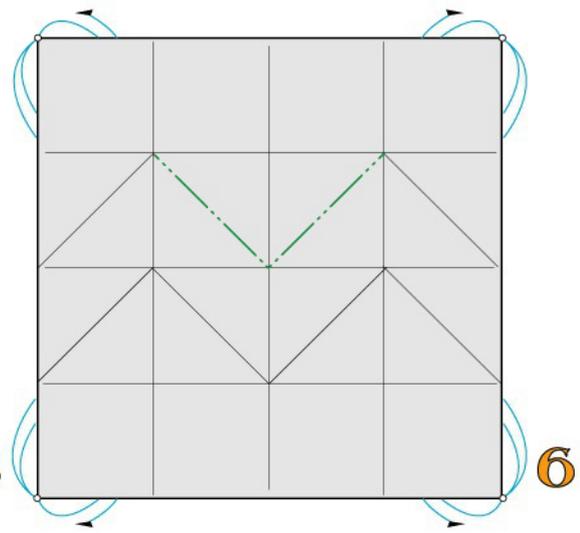


2 pieghe diagonali a valle



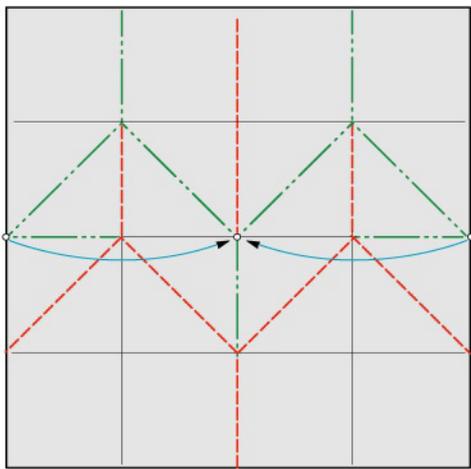
2 pieghe diagonali a monte

5



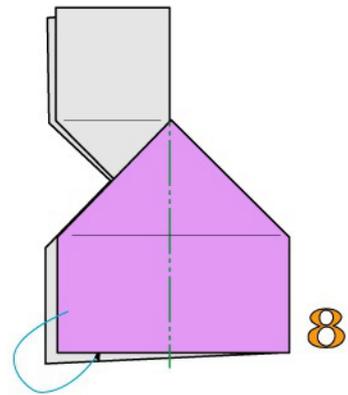
2 pieghe diagonali a monte

6



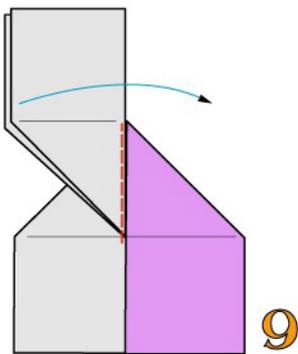
Ripiegate a valle e a monte

7



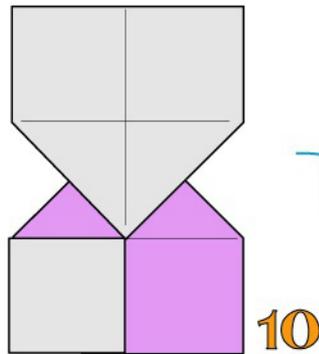
1 piega a monte

8



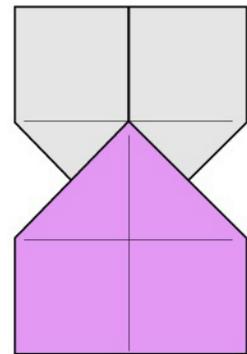
1 piega a valle

9

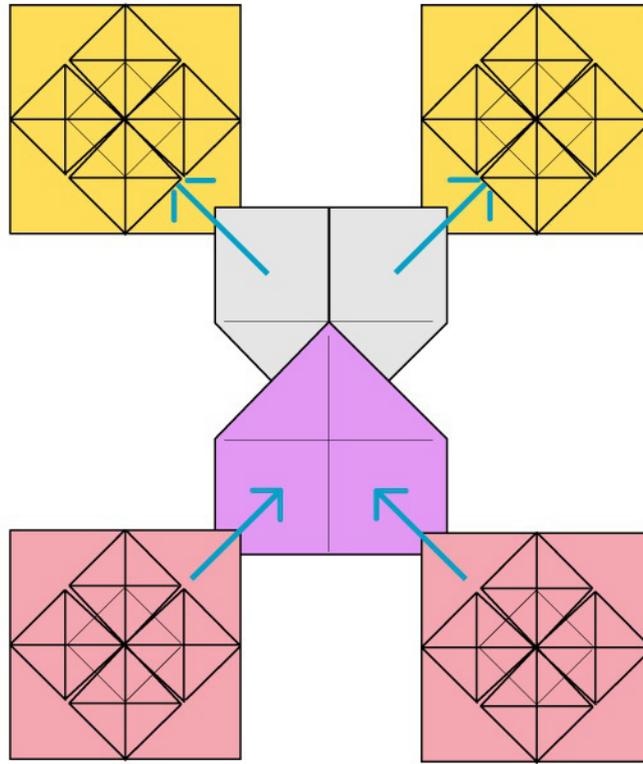


Modulo "F" ultimato.
Ribaltate

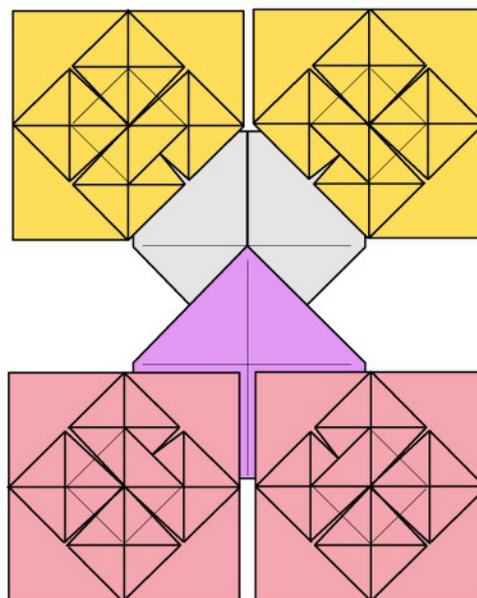
10



UNIONE DEI MODULI



Unite 1 modulo "F" con 4 moduli di bloccaggio



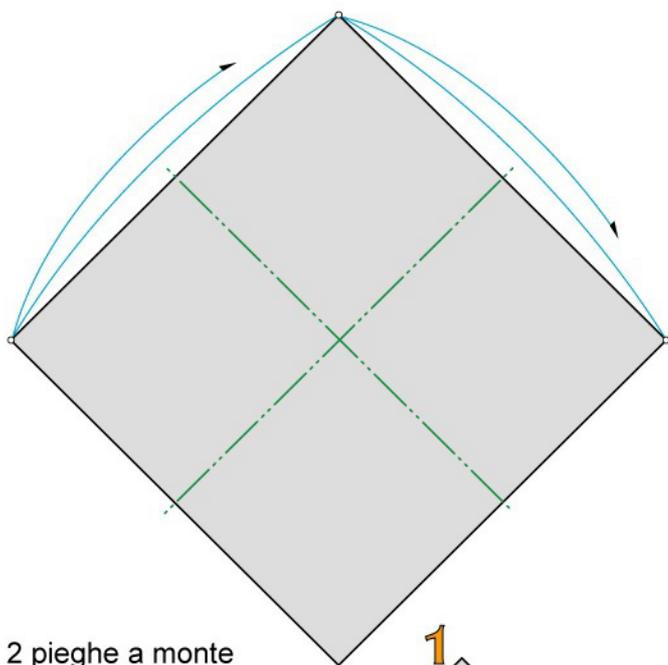
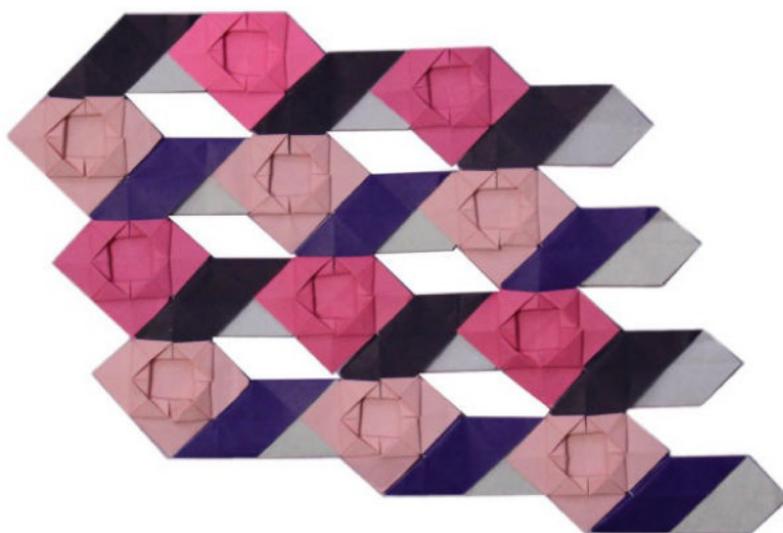
Mediante 4 pieghe a monte bloccate
l'unione nel solito modo

TASSELLAZIONE "G"

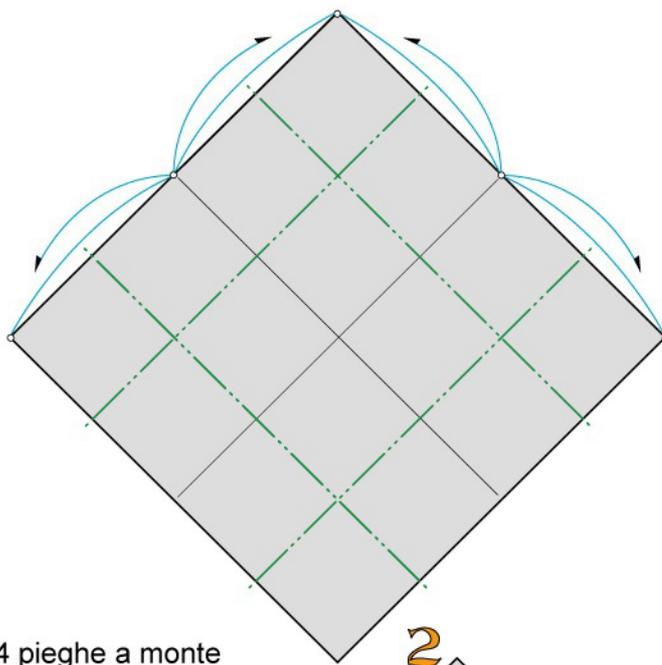
MODULARE TRAFORATA

Franco Pavarin 23

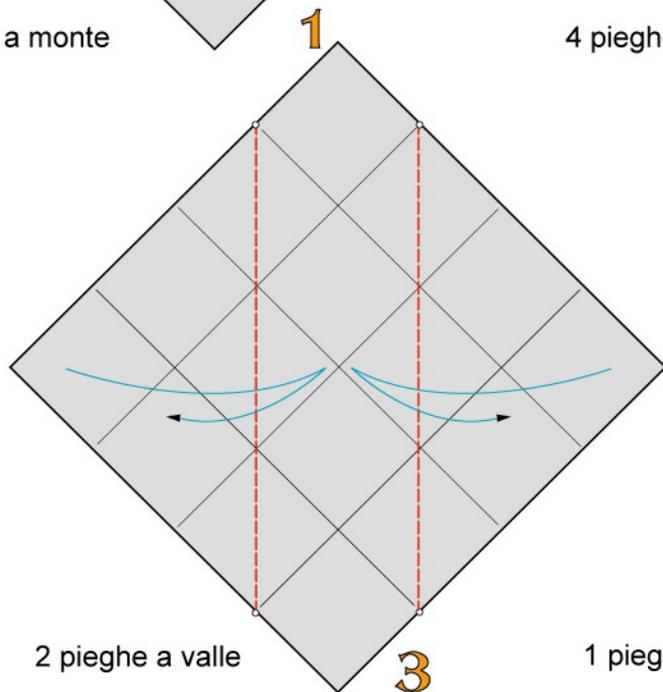
Si realizza unendo moduli "G" con moduli di bloccaggio.
Adoperate carta bicolore leggera per i moduli "G" e monocolori di medio peso per i moduli di bloccaggio



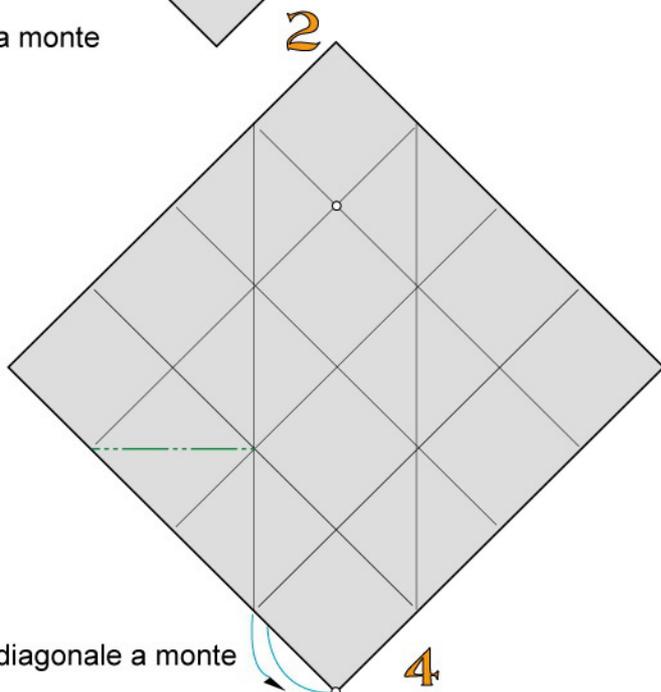
2 pieghe a monte



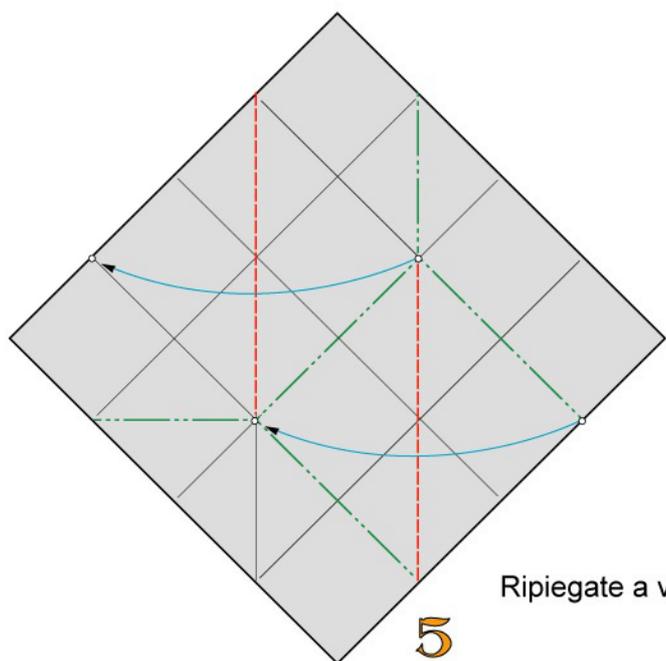
4 pieghe a monte



2 pieghe a valle

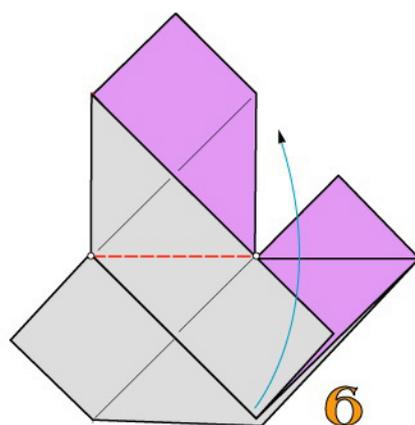


1 piega diagonale a monte



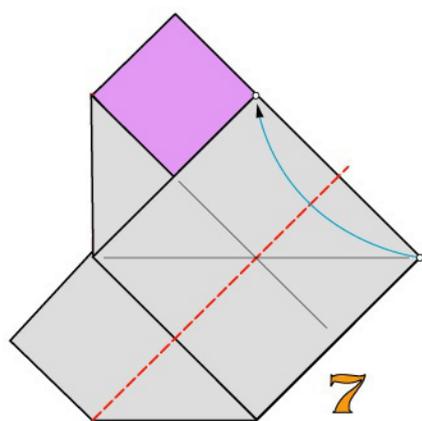
Ripiegate a valle e a monte

5



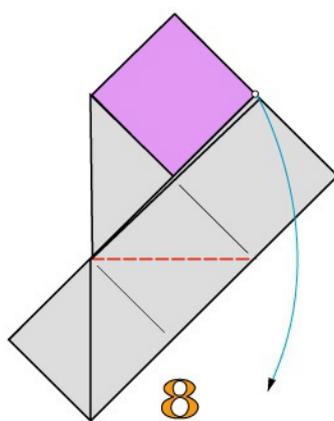
6

1 piega a valle



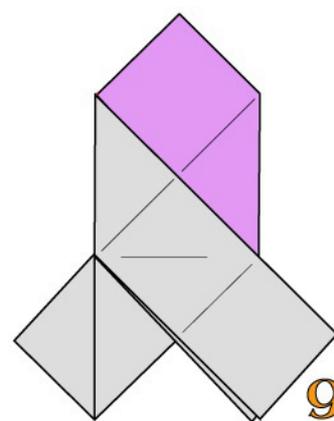
7

1 piega a valle



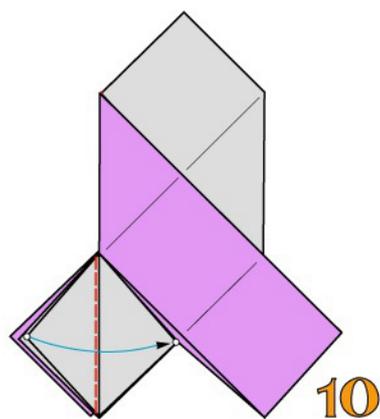
8

1 piega a valle



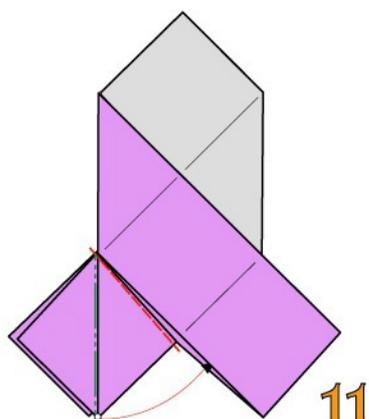
9

Ribaltate



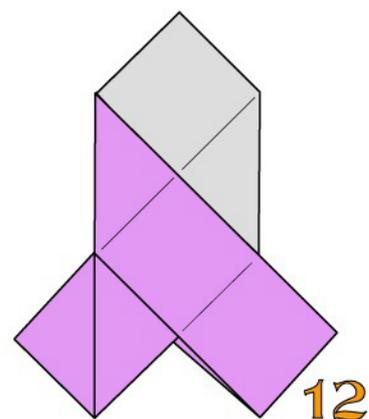
10

1 piega a valle



11

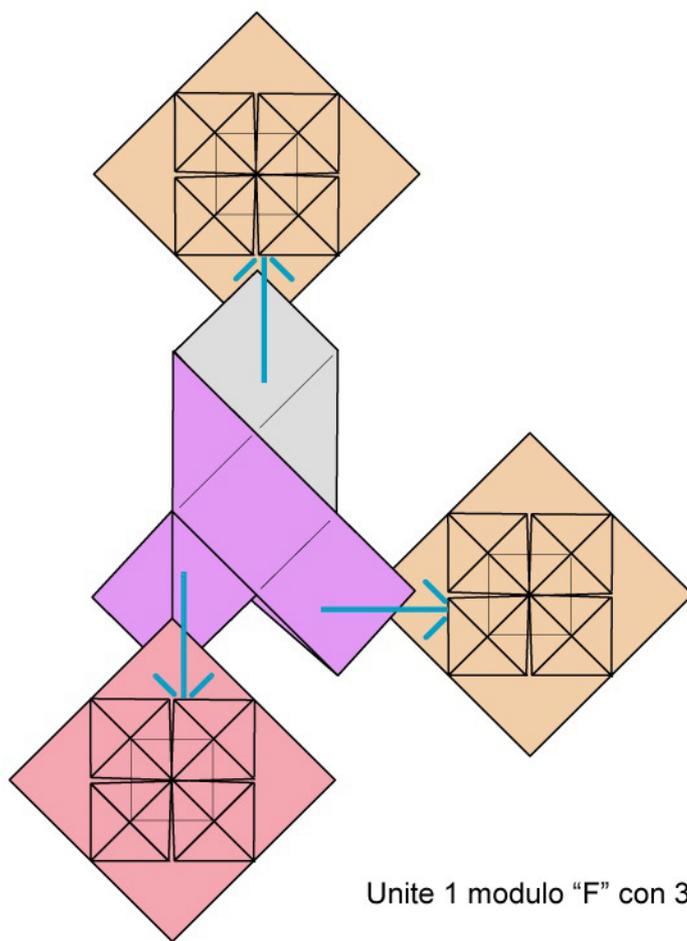
1 piega a monte e intascate



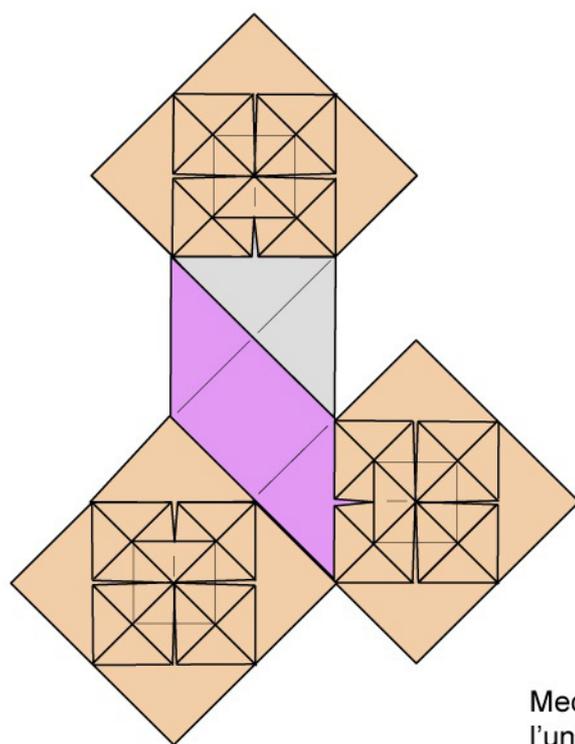
12

Modulo "G" ultimato

UNIONE DEI MODULI



Unite 1 modulo "F" con 3 moduli di bloccaggio



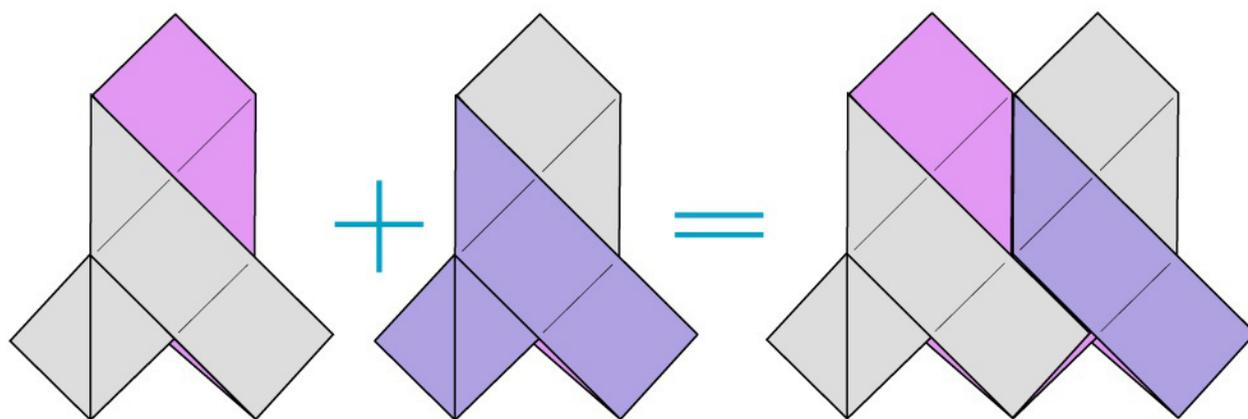
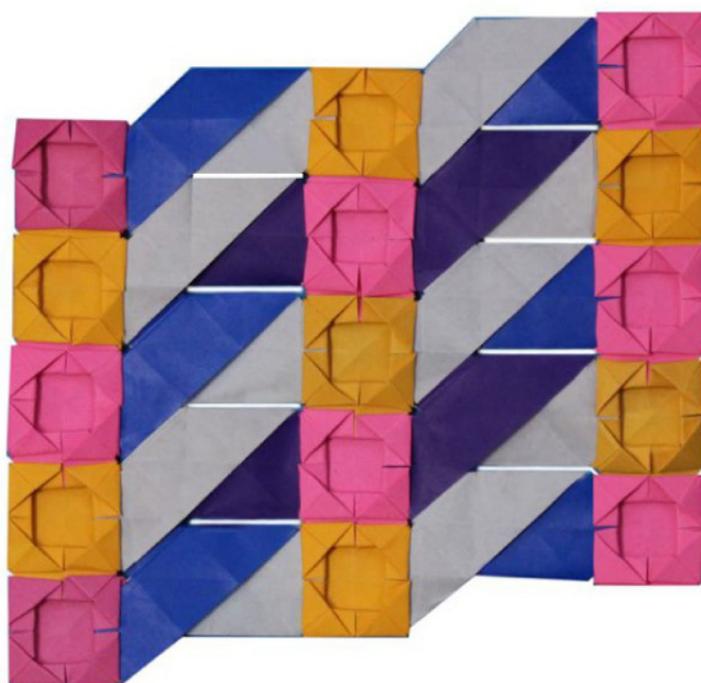
Mediante 4 pieghe a monte bloccate l'unione nel solito modo

TASSELLAZIONE "G1"

MODULARE COMPATTA

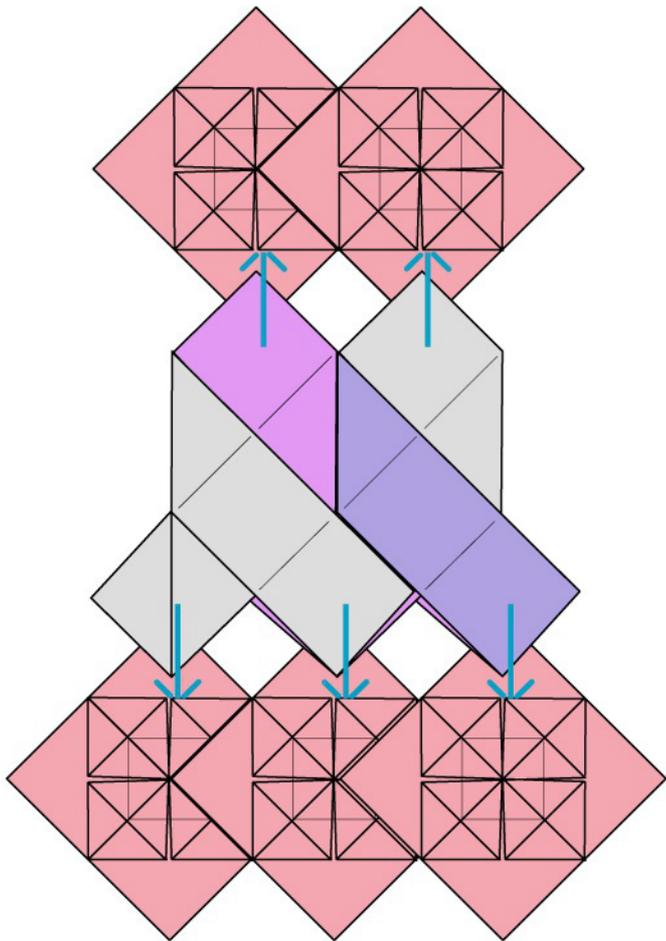
Franco Pavarin 23

Si realizza unendo un modulo composto da 2 moduli "G" con 1 modulo di bloccaggio.
Adoperate carta monocolore leggera o bicolore per i moduli "G" e di medio peso per i moduli di bloccaggio

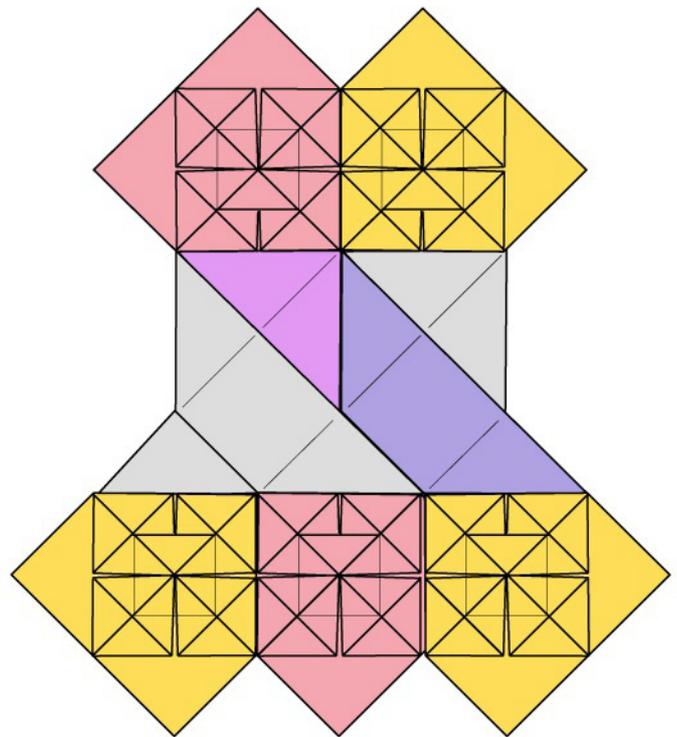


Unite 1 modulo "G" ribaltato con uno diritto

UNIONE DEI MODULI



Inserite il modulo composto "E1"
entro 4 moduli di bloccaggio

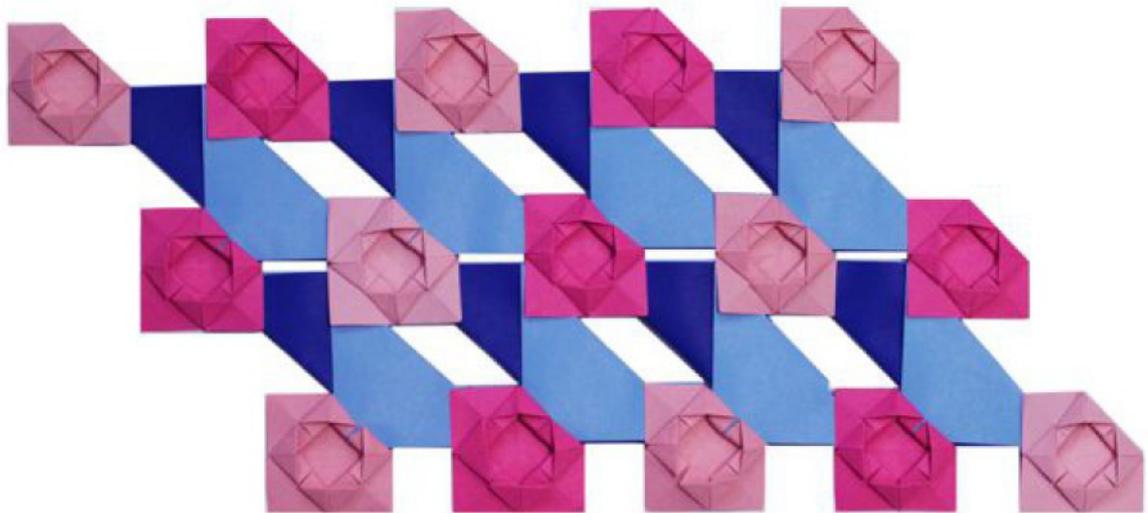


Bloccate l'unione e unite fra loro nel
solito modo i moduli di bloccaggio con
pieghe a monte. Unione completata

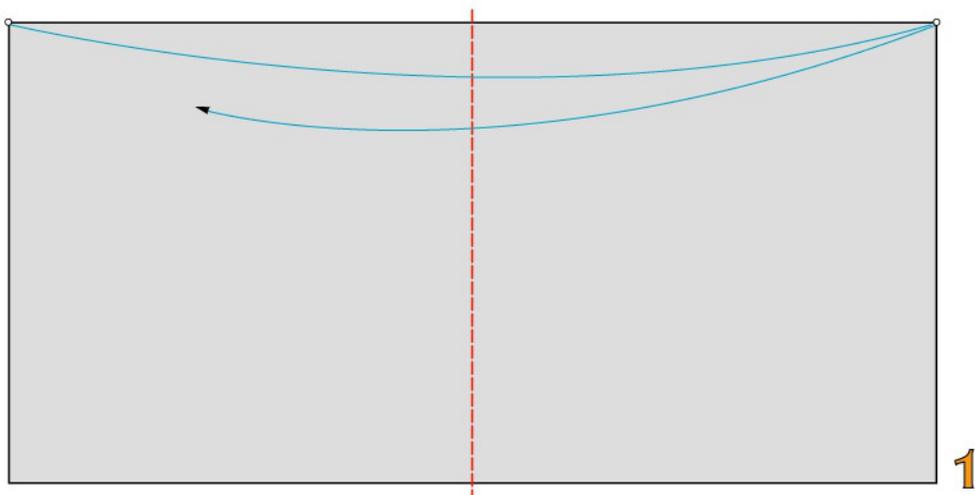
TASSELLAZIONE "H"

MODULARE TRAFORATA

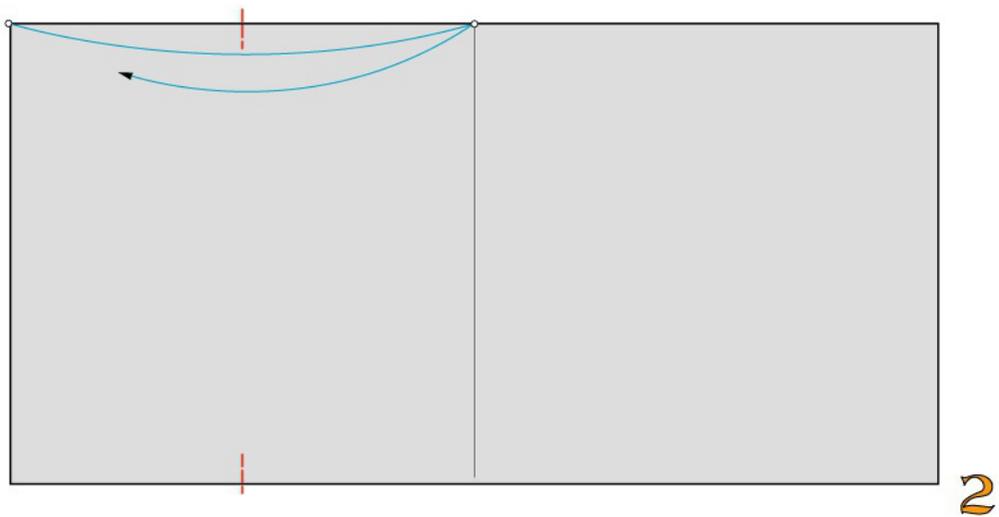
Franco Pavarin 23



Il modulo "H" si costruisce con un foglio rettangolare 2x1 di superficie doppia di quella del modulo di bloccaggio, meglio se bicolore di medio peso.

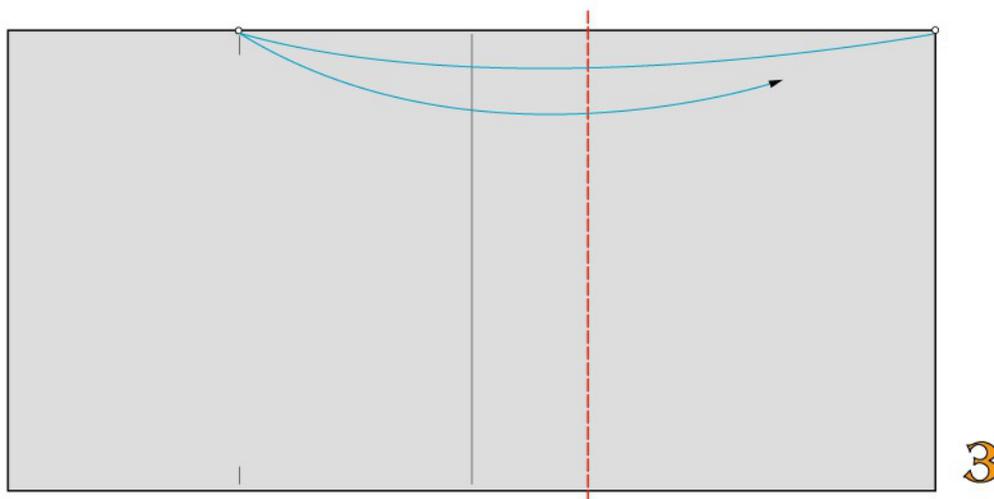


1 piega a valle



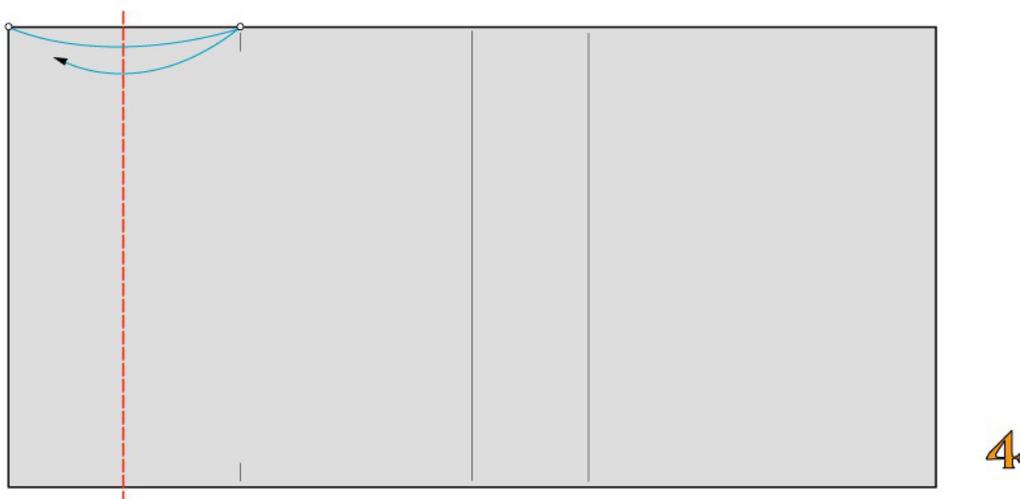
2 piccole pieghe a valle

2



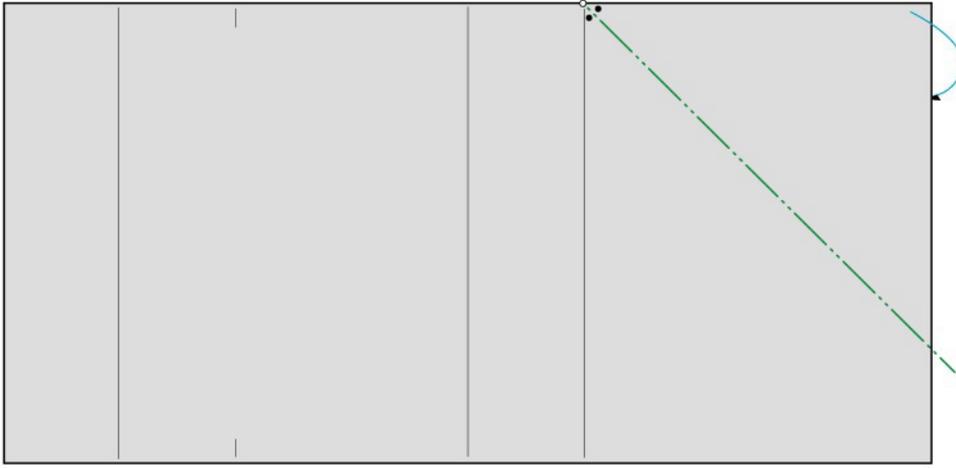
1 piega a valle

3



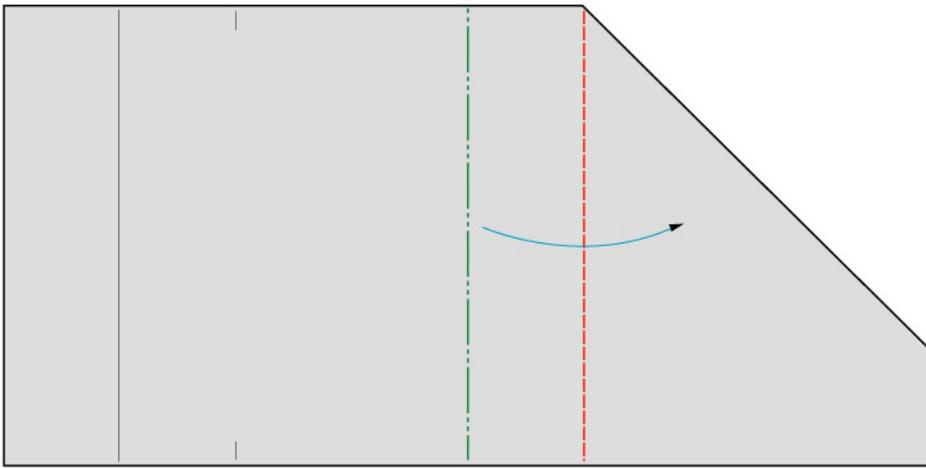
1 piega a valle

4



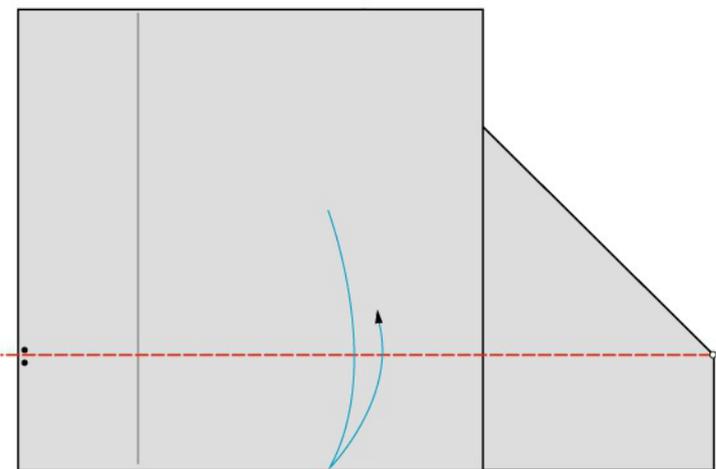
5

1 piega bisettrice a monte



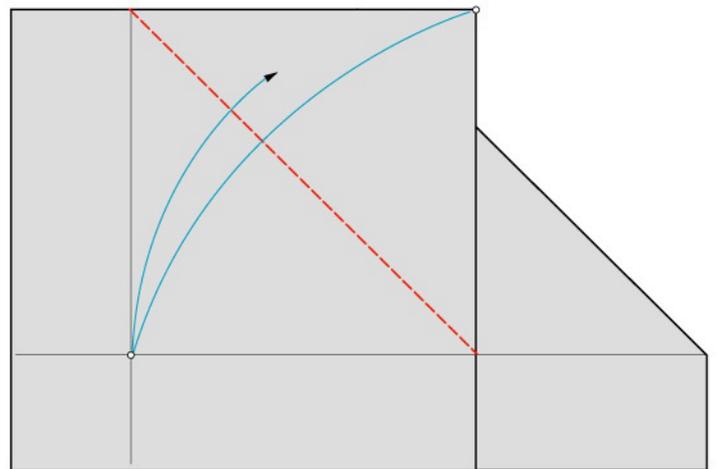
6

Ripiegate a valle e a monte



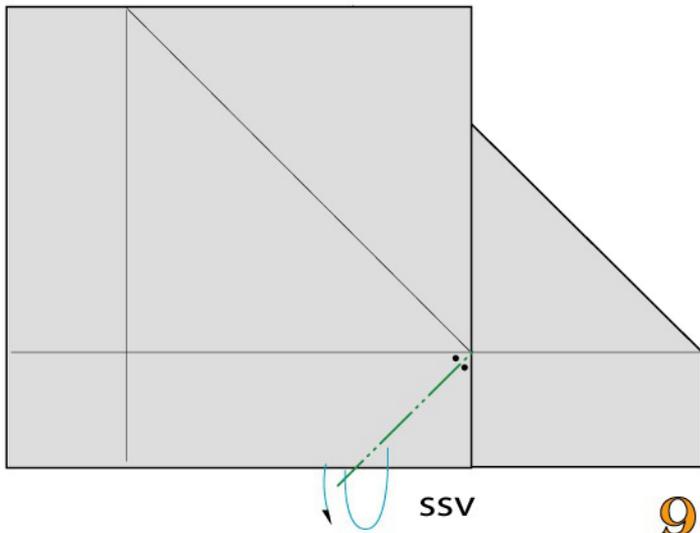
1 piega bisettrice a valle

7

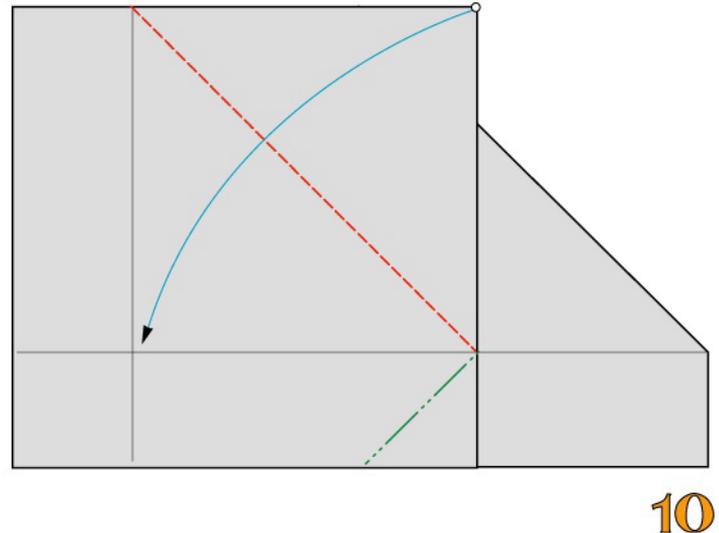


1 piega diagonale a valle

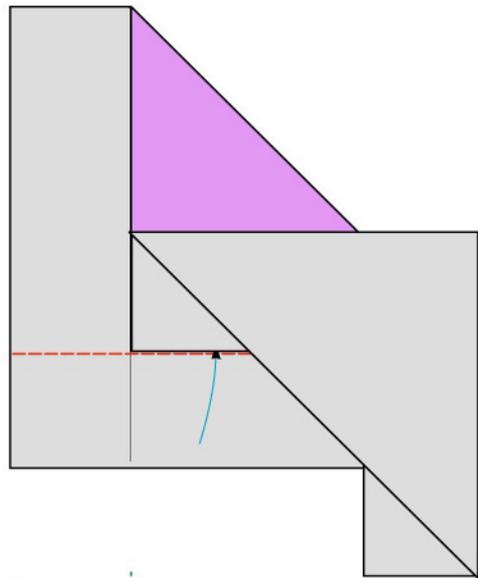
8



1 piega bisettrice a monte solo sulla superficie in vista **9**

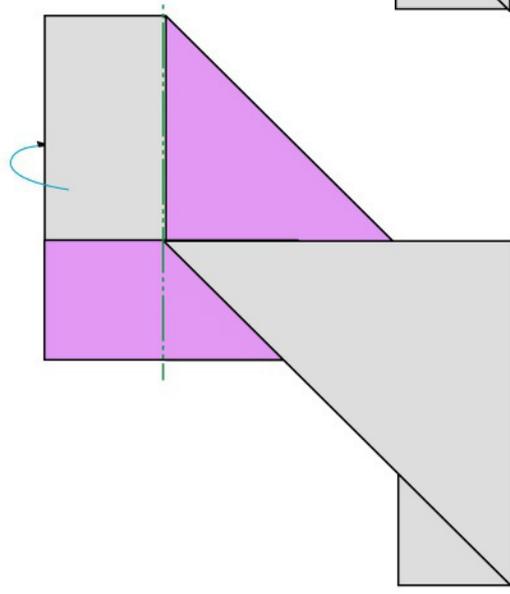


Ripiegate a valle e a monte **10**

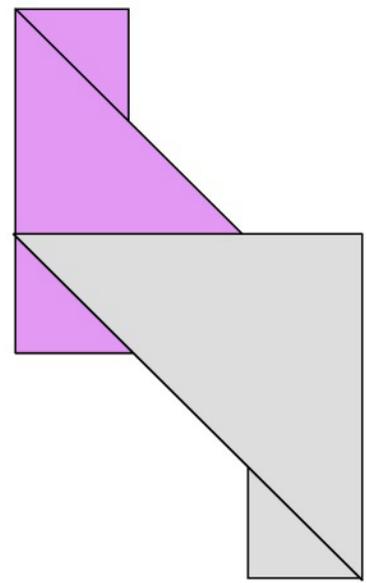


1 piega a valle e intascate

11

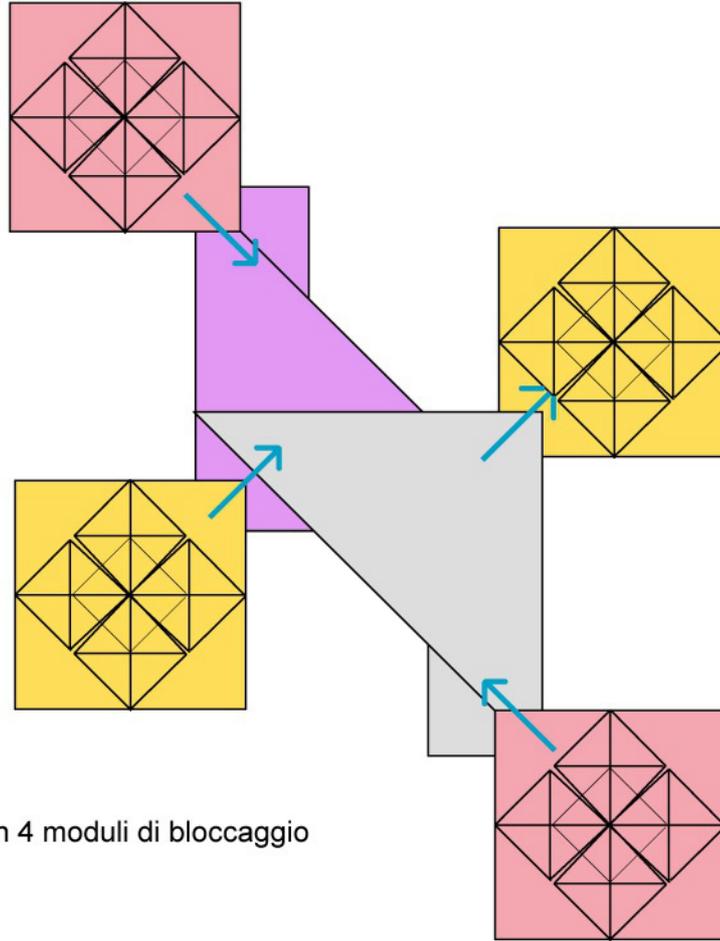


1 piega a monte

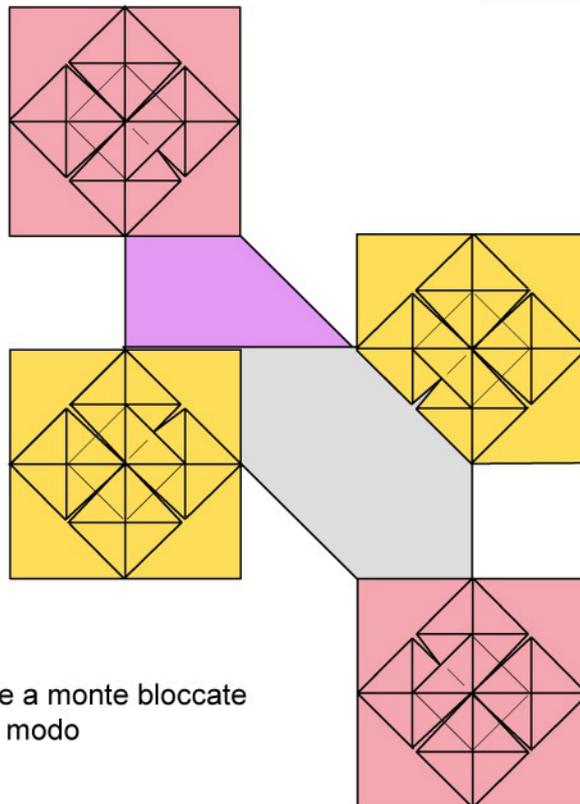


12 Modulo "H" ultimato **13**

UNIONE DEI MODULI



Unite 1 modulo "H" con 4 moduli di bloccaggio

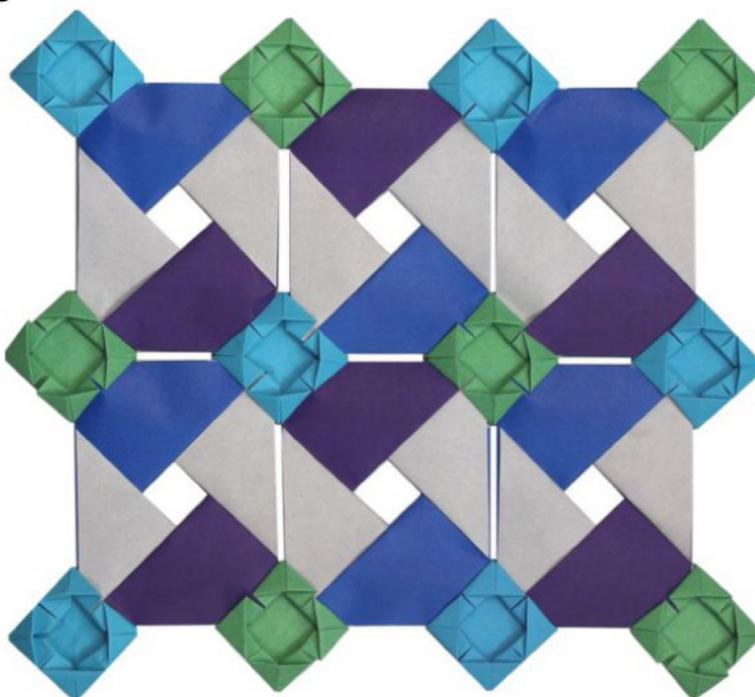


Mediante 4 pieghe a monte bloccate
l'unione nel solito modo

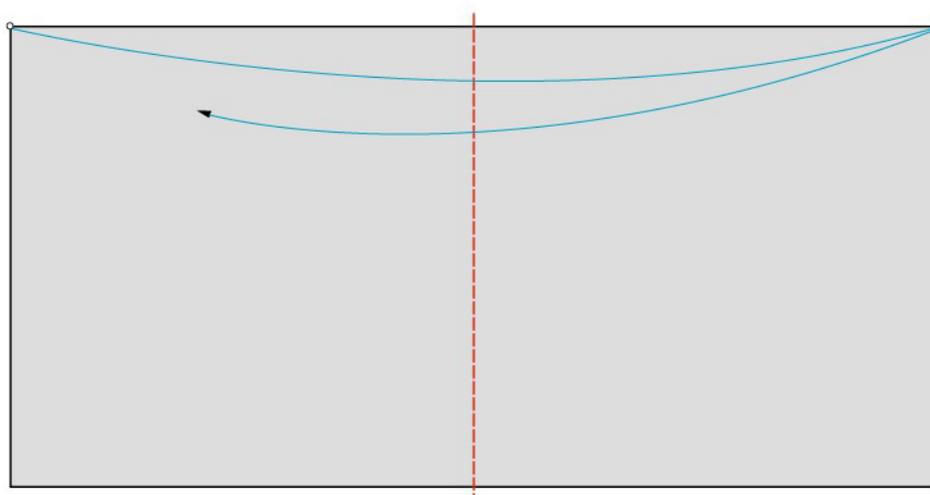
TASSELLAZIONE "1"

MODULARE TRAFORATA

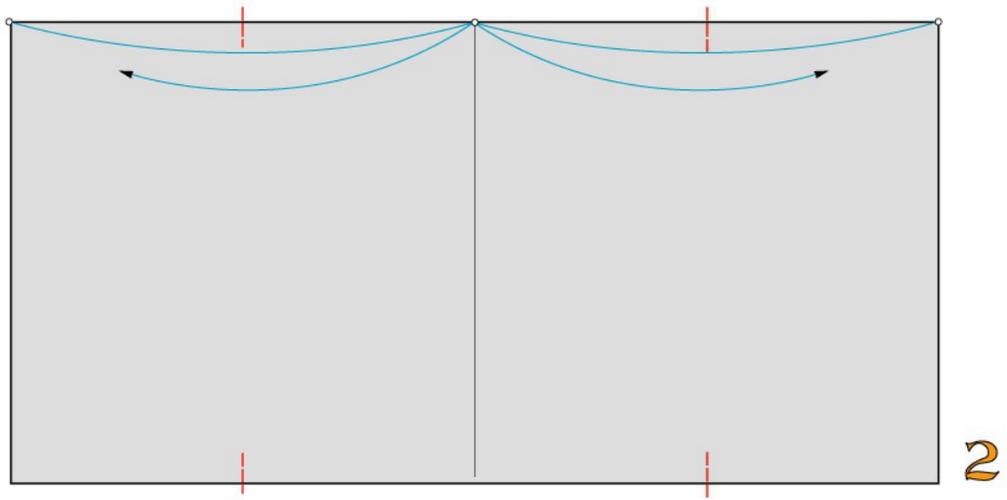
Franco Pavarin 23



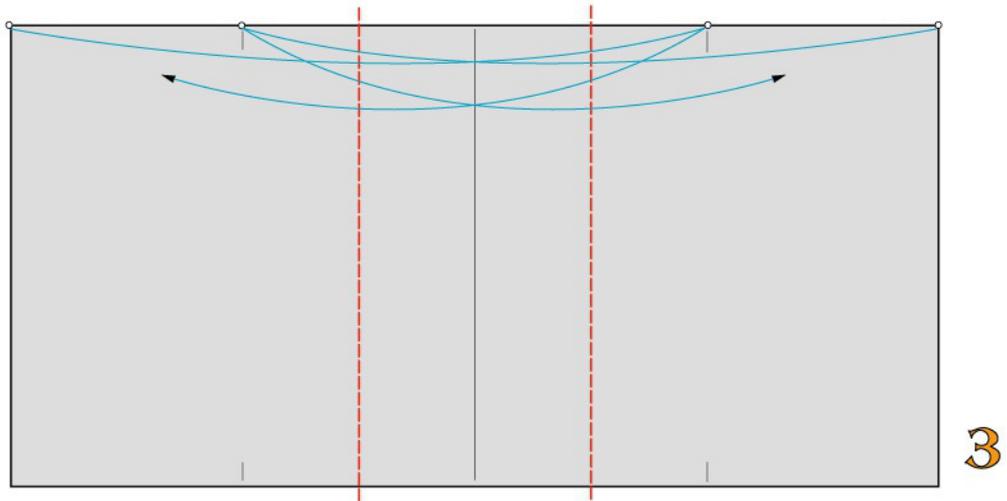
Si lavora con un modulo composto da 2 moduli "1"
Il modulo "1" si costruisce con un foglio rettangolare 2x1 di superficie doppia di quella del modulo di bloccaggio, meglio se bicolore di medio peso.



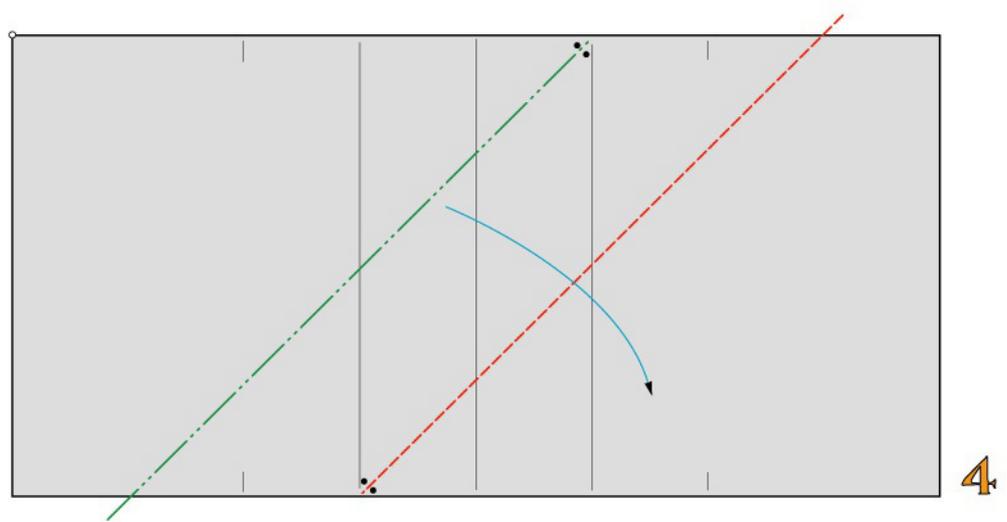
1 piega a valle



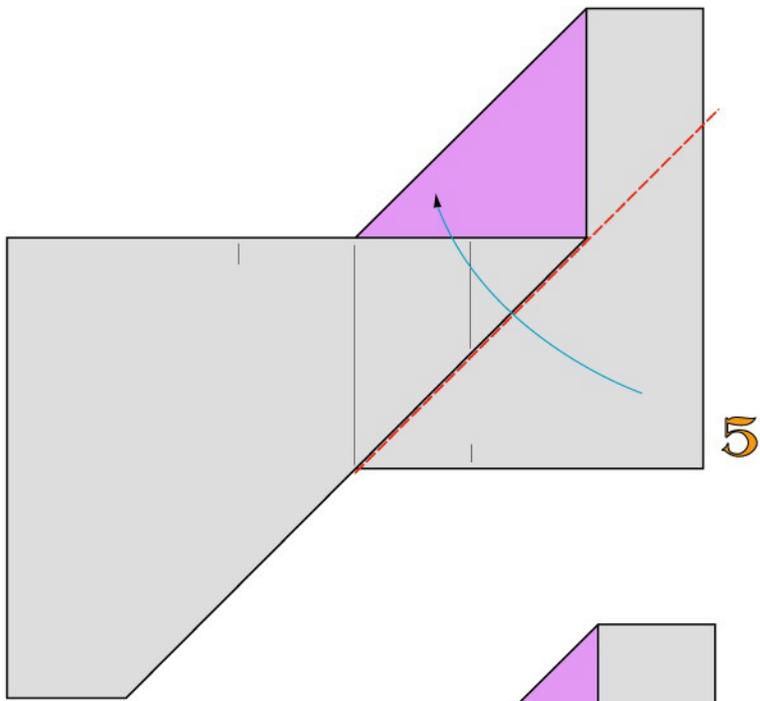
4 piccole pieghe a valle



2 pieghe a valle

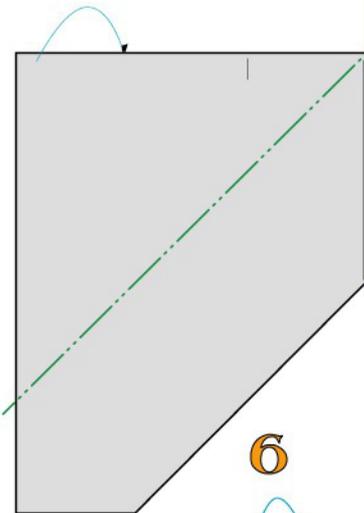


1 piega bisettrice a monte e 1 a valle



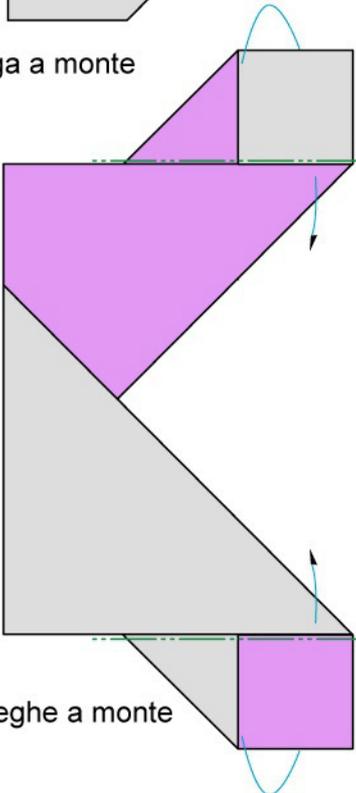
5

1 piega a valle



6

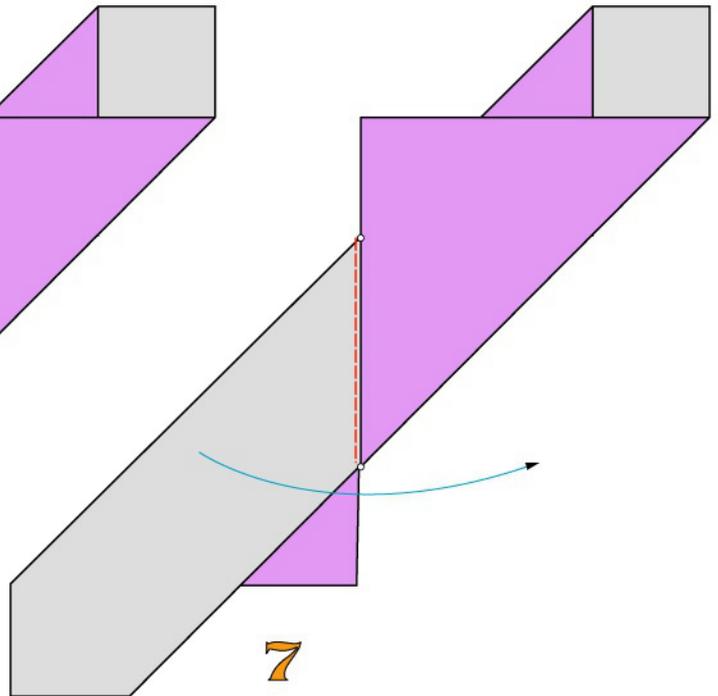
1 piega a monte



8

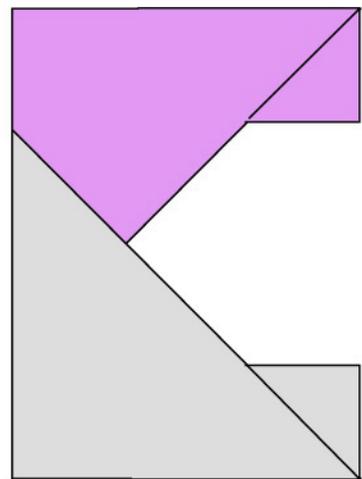
2 pieghe a monte

8



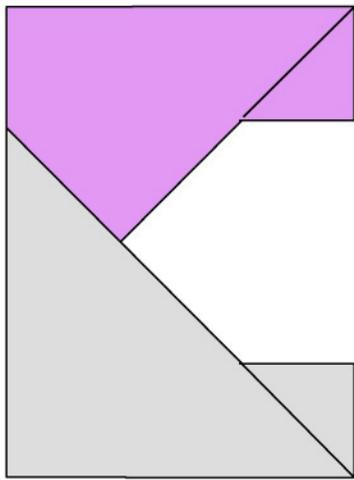
7

1 piega a valle

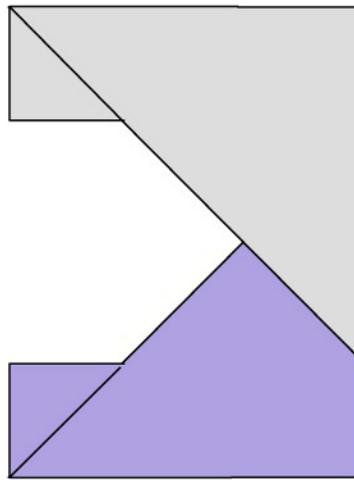


9

Modulo "I" ultimato



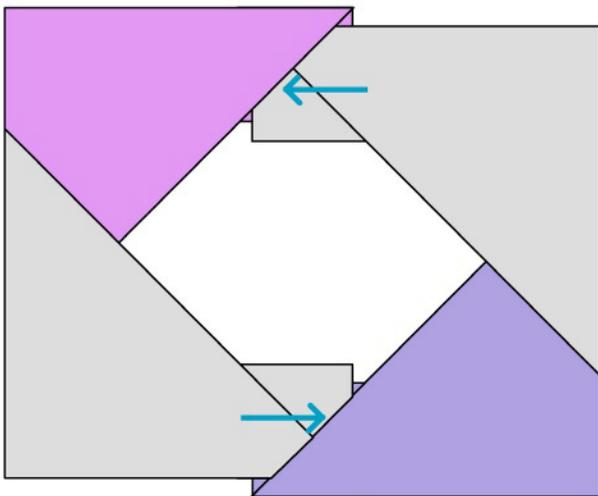
+



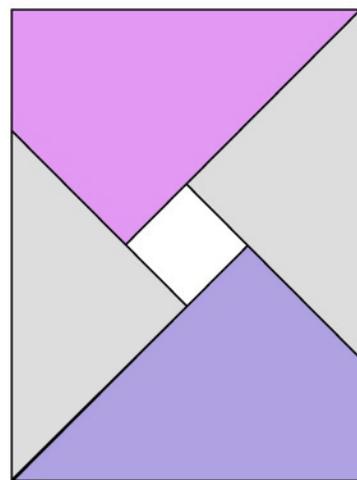
=

1

Unite 2 moduli "1"



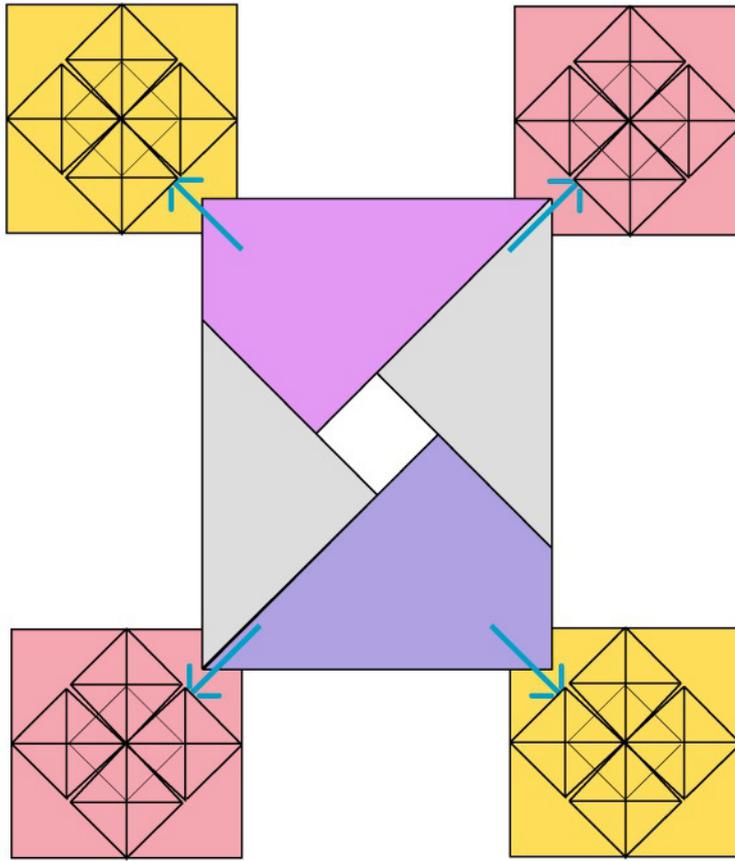
2



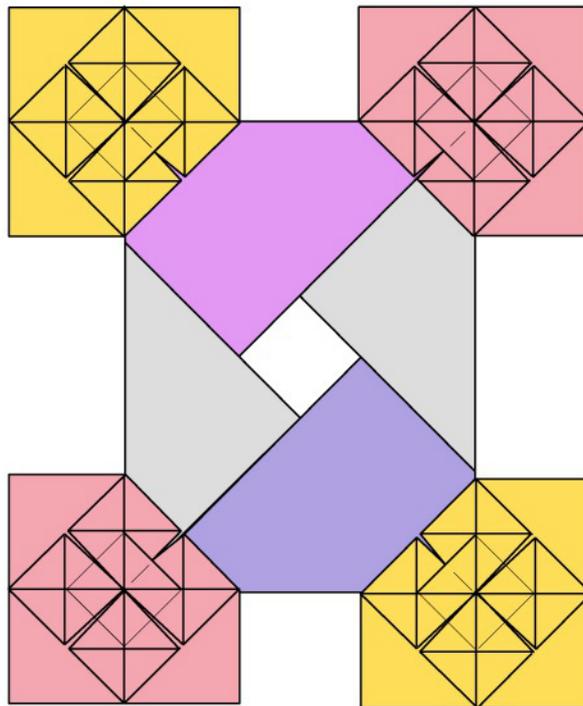
3

Modulo composto formato da 2 moduli "1" ultimato

UNIONE DEI MODULI



Unite 1 modulo "I" con 4 moduli di bloccaggio

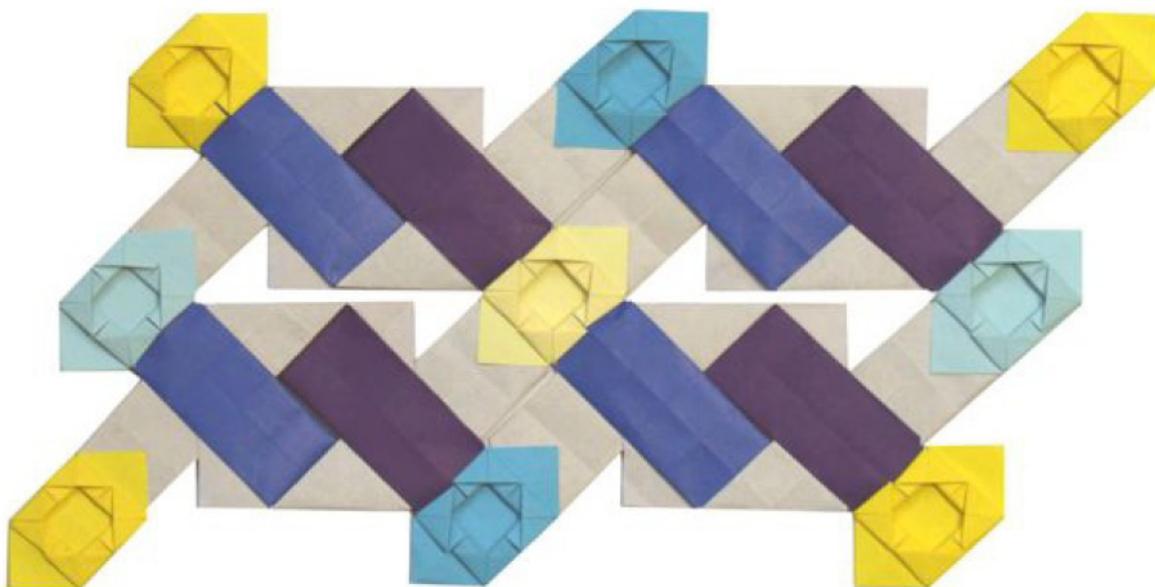


Mediante 4 pieghe a monte bloccate
l'unione nel solito modo

TASSELLAZIONE "11"

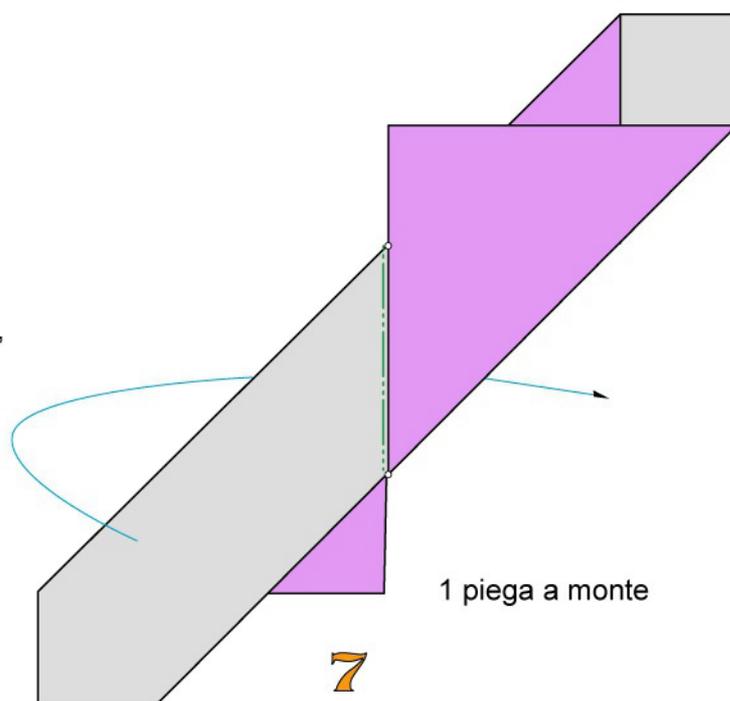
MODULARE TRAFORATA

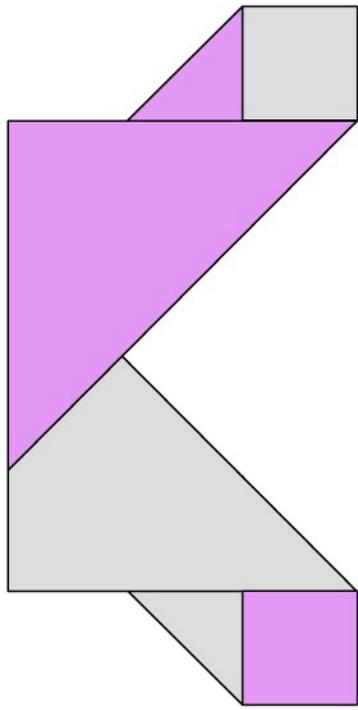
Franco Pavarin 23



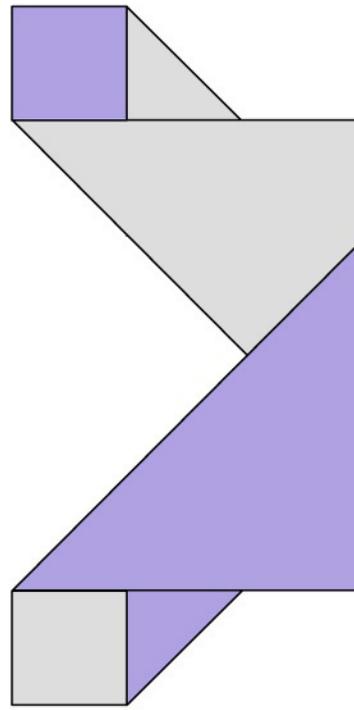
Il modulo "11" si costruisce con un foglio rettangolare 2x1 di superficie doppia di quella del modulo di bloccaggio, meglio se con un modulo peso. Si lavora con un modulo composto da 2 moduli "11"

Partite dalla figura n. 6 del modulo "1"



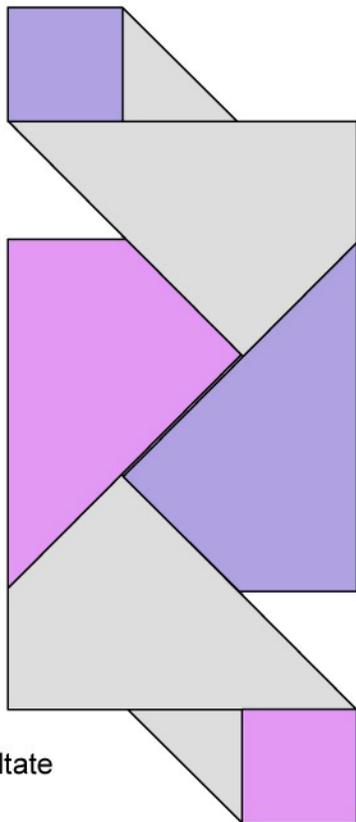


+



=

Unite 2 moduli "11"

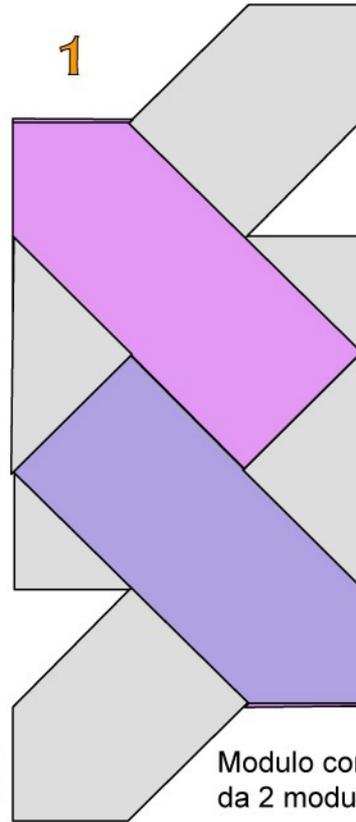


Ribaltate

2

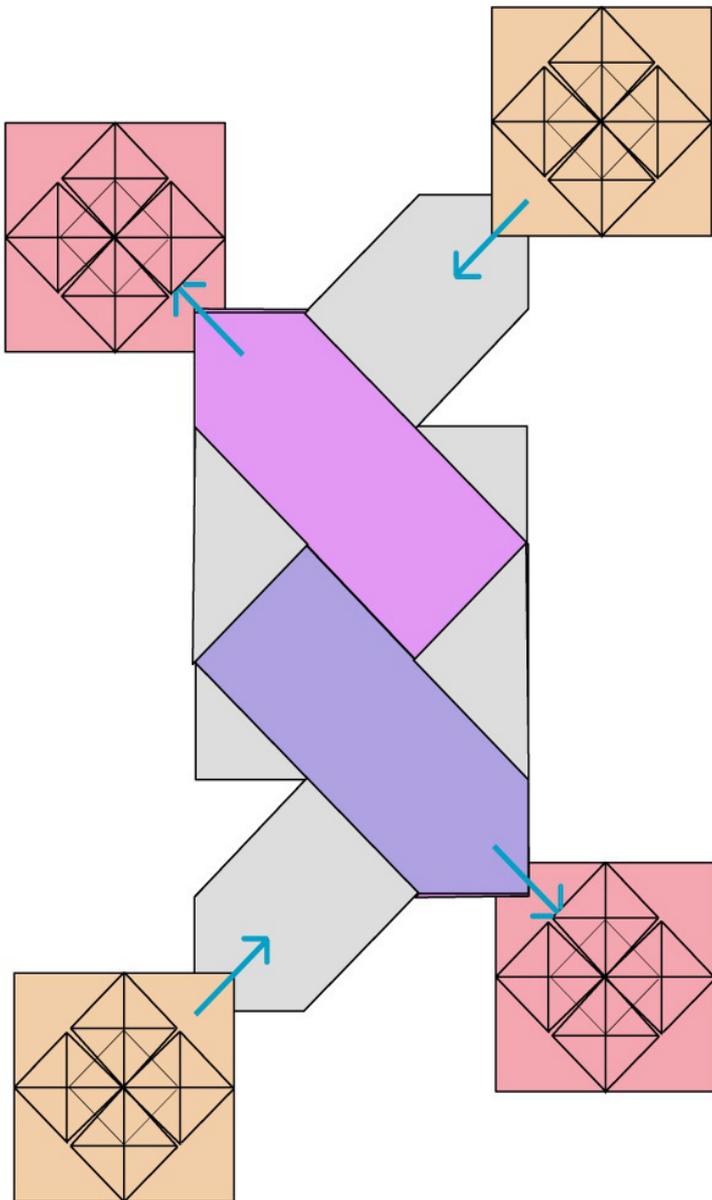


3

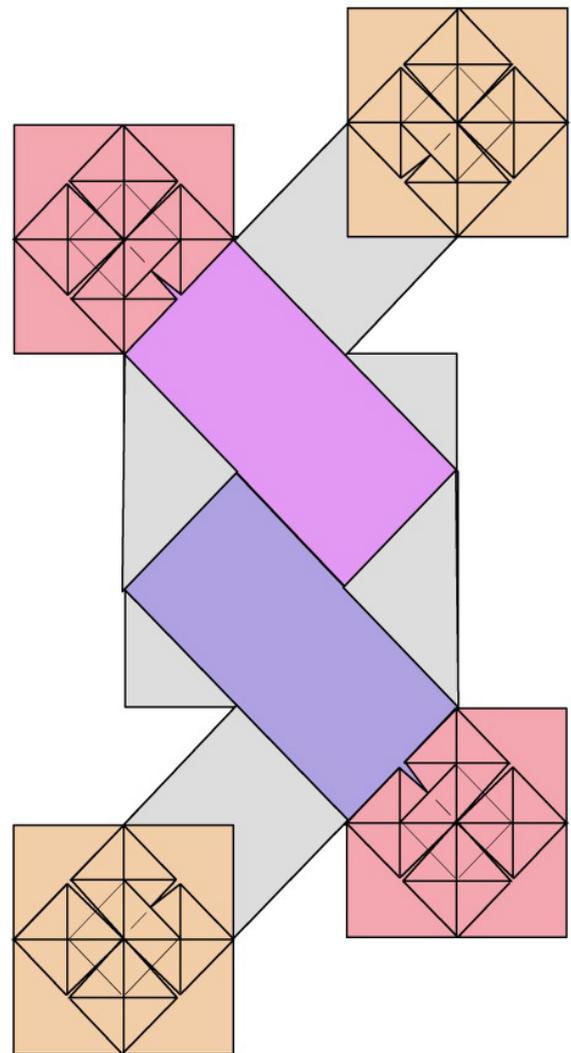


Modulo composto formato da 2 moduli "11" ultimato

UNIONE DEI MODULI



Unite 1 modulo "I1" con 4 moduli di bloccaggio

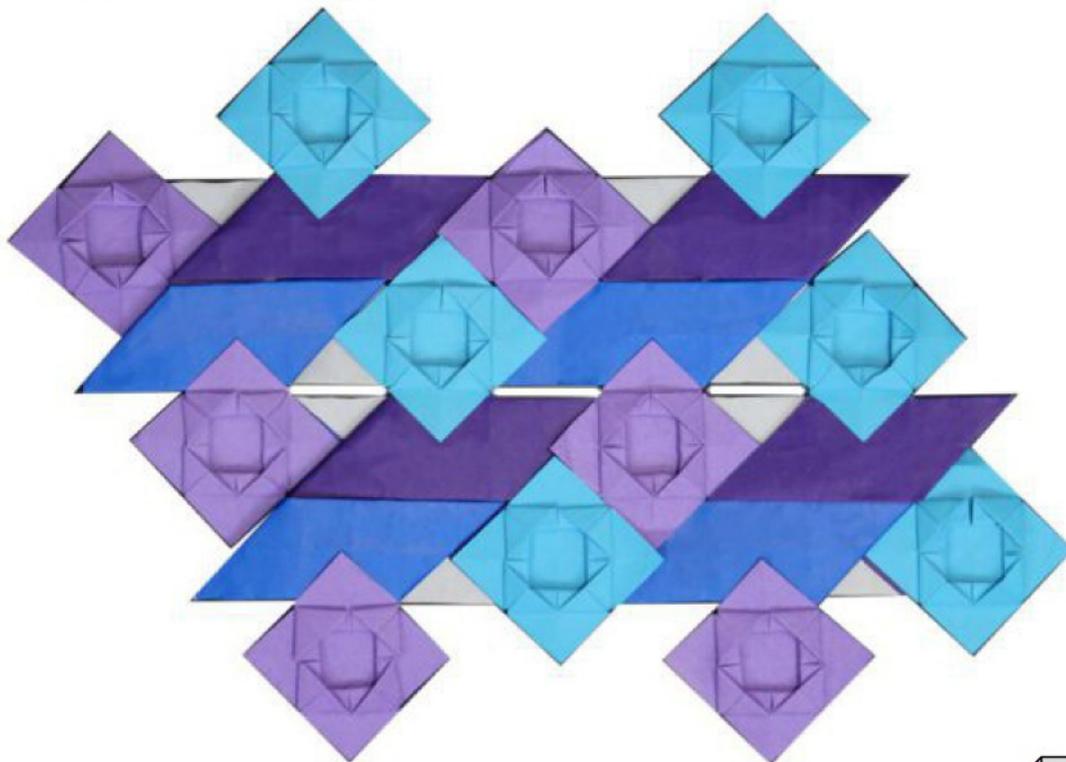


Mediante 4 pieghe a monte bloccate
l'unione nel solito modo

TASSELLAZIONE "12"

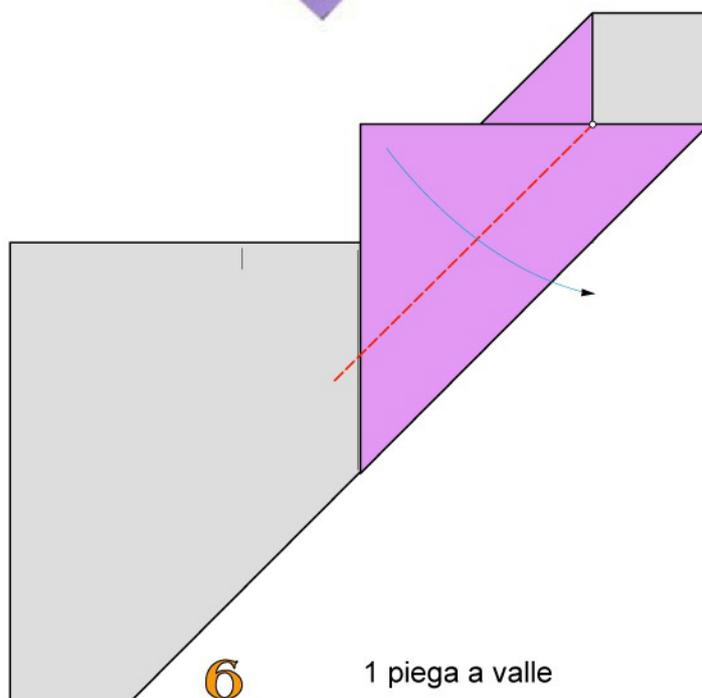
MODULARE COMPATTA

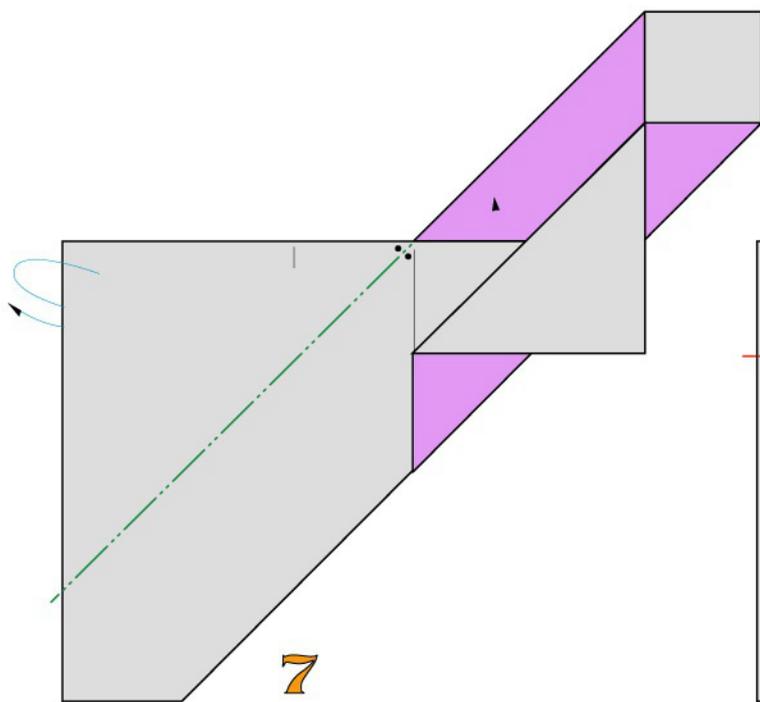
Franco Pavarin 23



Si lavora con un modulo composto da 2 moduli "12"
Il modulo "12" si costruisce con un foglio rettangolare 2x1 di superficie doppia di quella del modulo di bloccaggio, meglio se bicolore di medio peso.

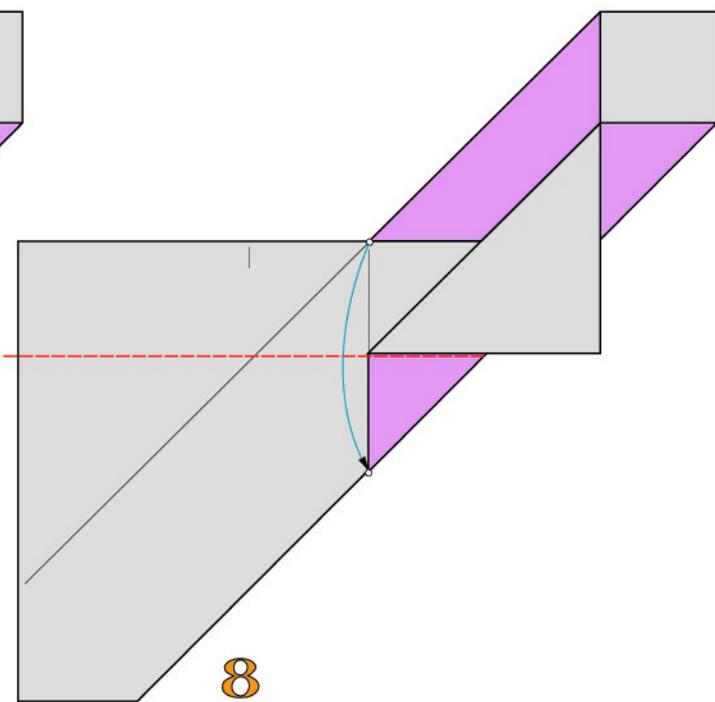
Partite dalla figura n. 5 del modulo "1"





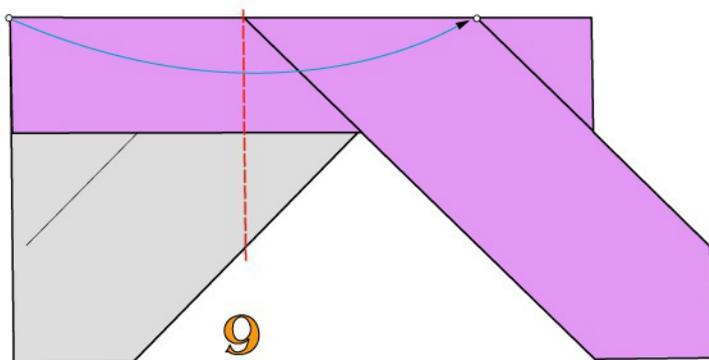
7

1 piega bisettrice a monte



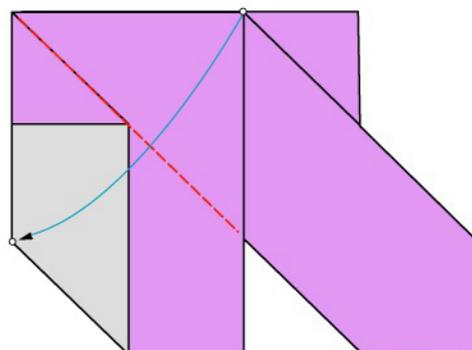
8

1 piega a valle



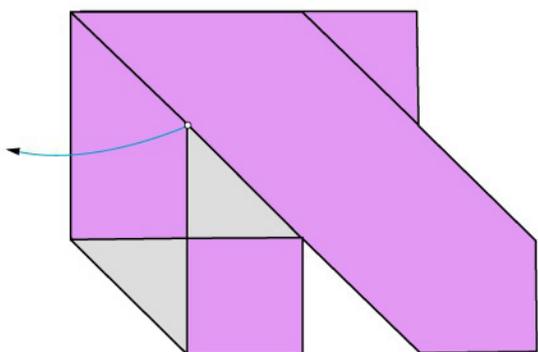
9

1 piega a valle



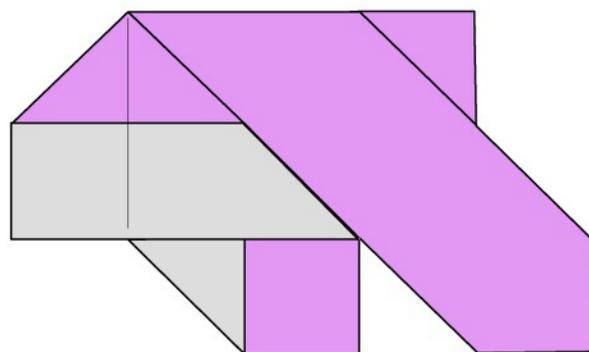
10

1 piega a valle



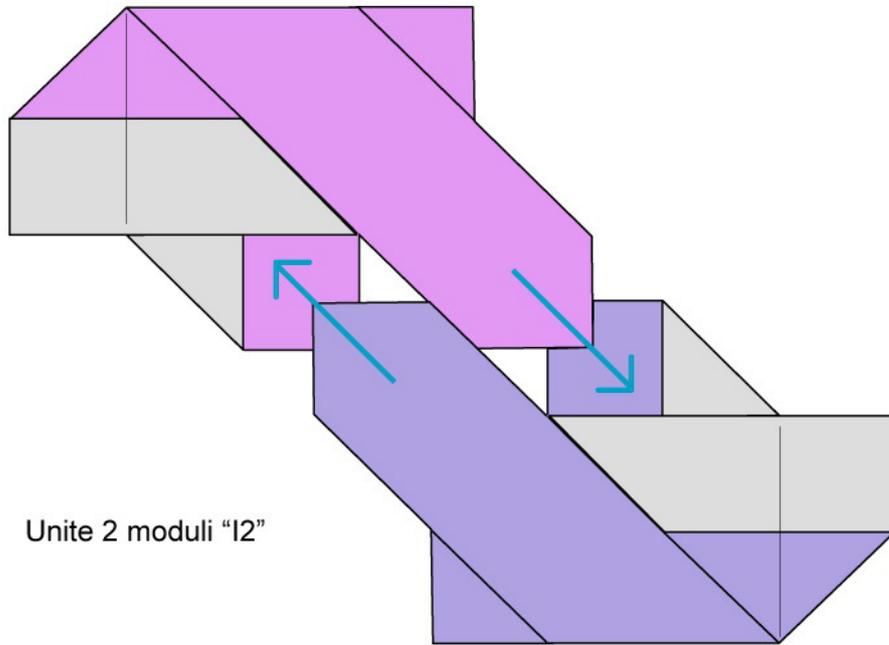
11

Aprite

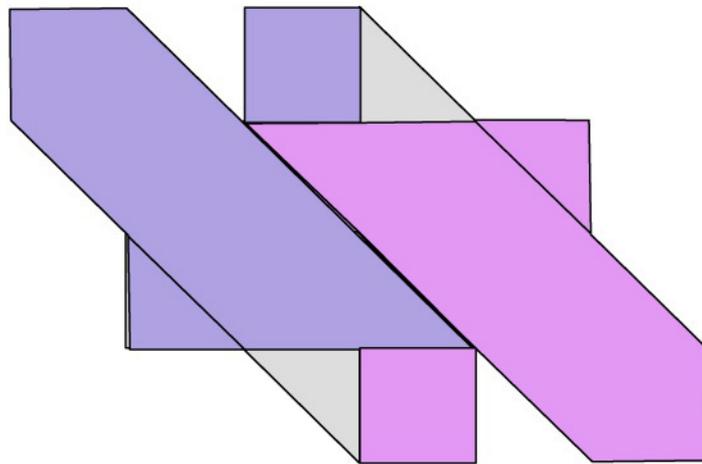


12

Modulo I2 ultimato

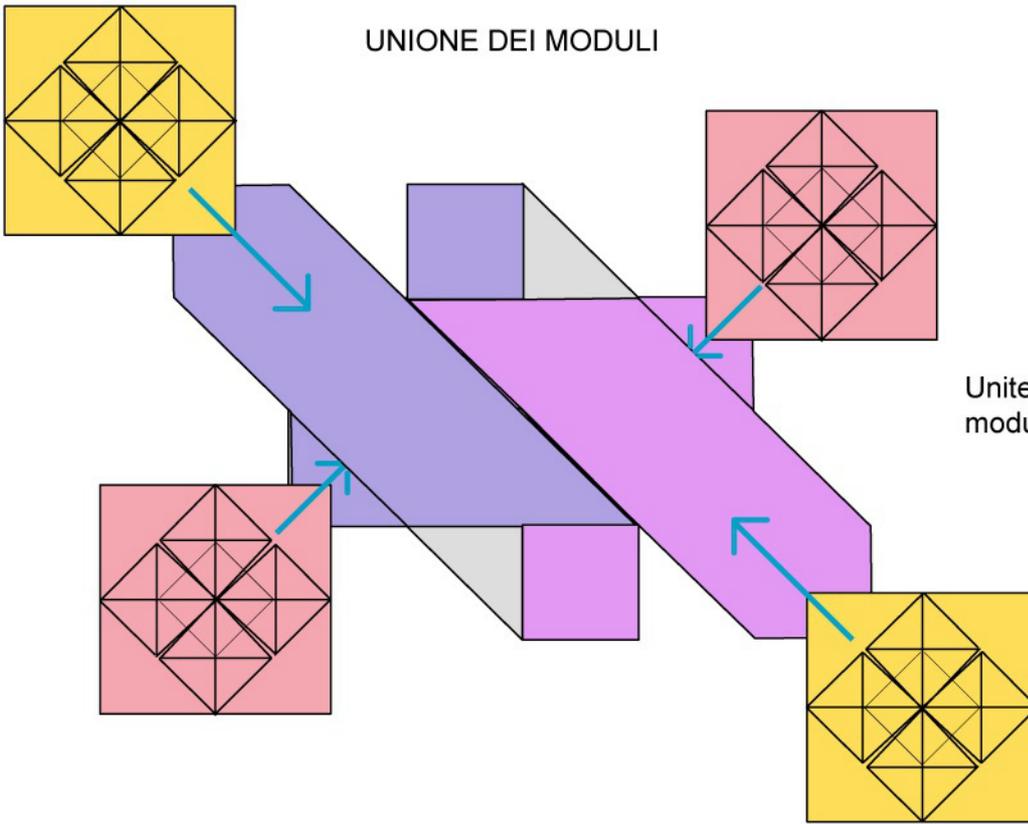


Unite 2 moduli "I2"

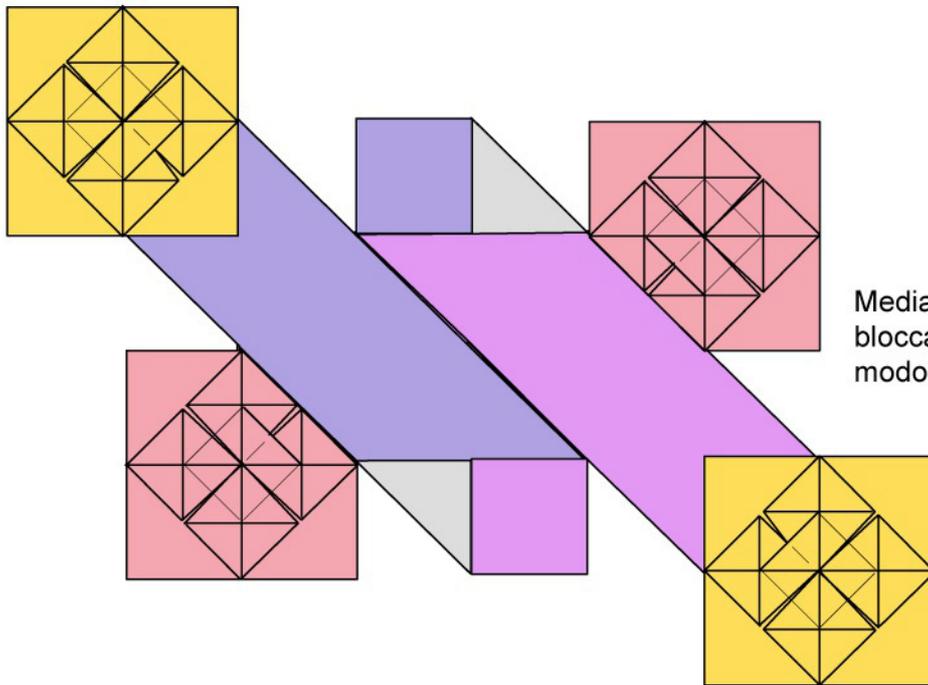


Modulo composto formato
da 2 moduli "I2" ultimato

UNIONE DEI MODULI



Unite 1 modulo "1" con 4 moduli di bloccaggio

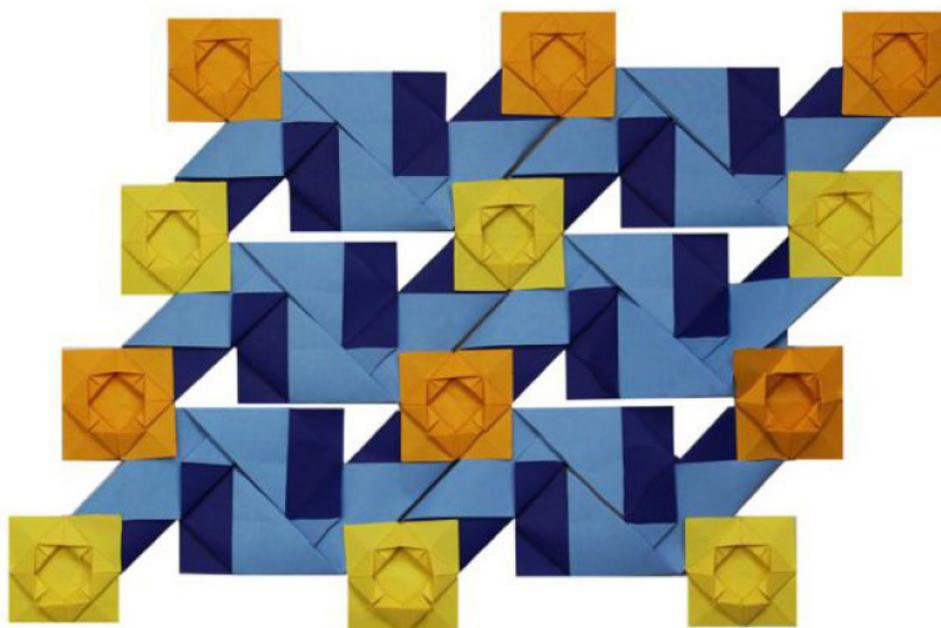


Mediante 4 pieghe a monte bloccate l'unione nel solito modo

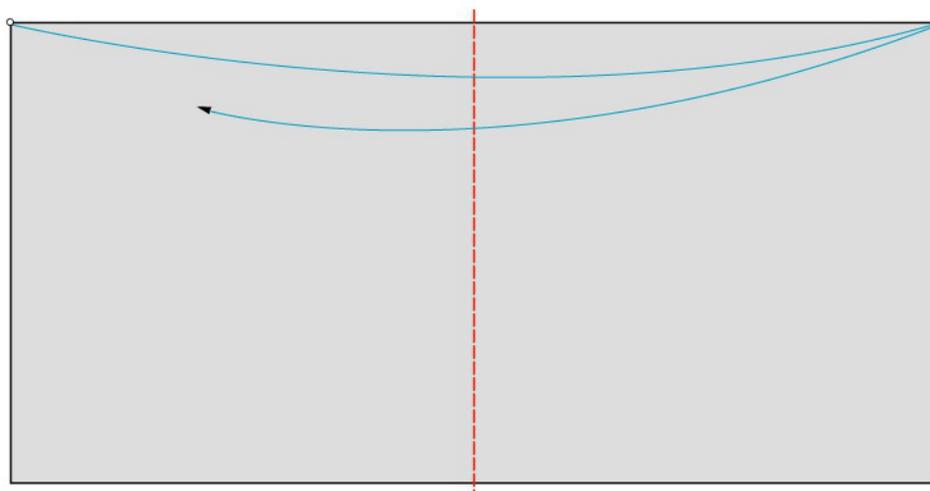
TASSELLAZIONE "L"

MODULARE TRAFORATA

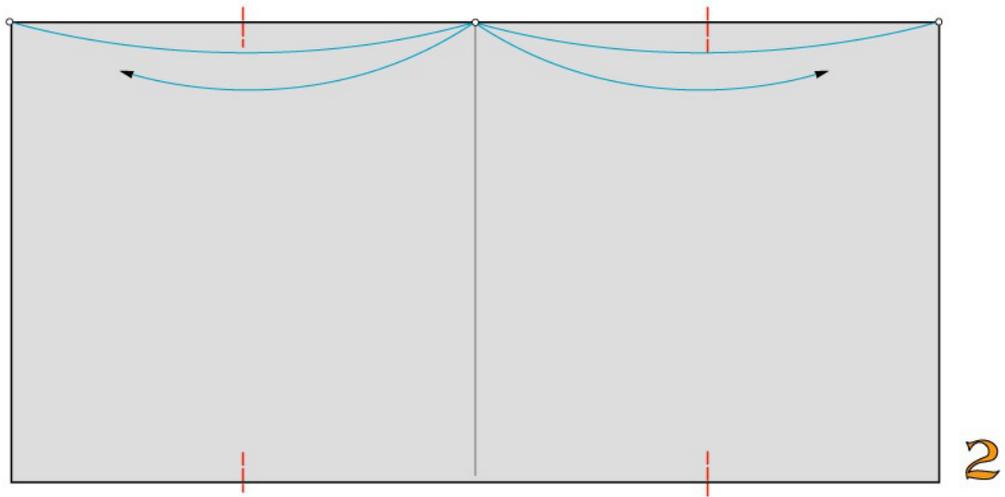
Franco Pavarin 23



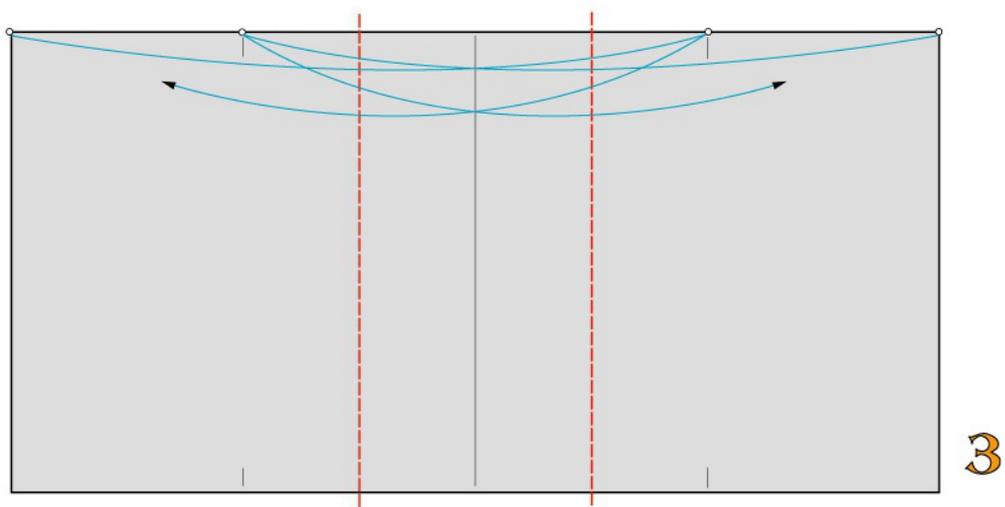
Si lavora con un modulo
composto da 2 moduli "L"
Il modulo "L" si costruisce con
un foglio rettangolare 2x1 di
superficie doppia di quella del
modulo di bloccaggio, meglio
se bicolore di medio peso.



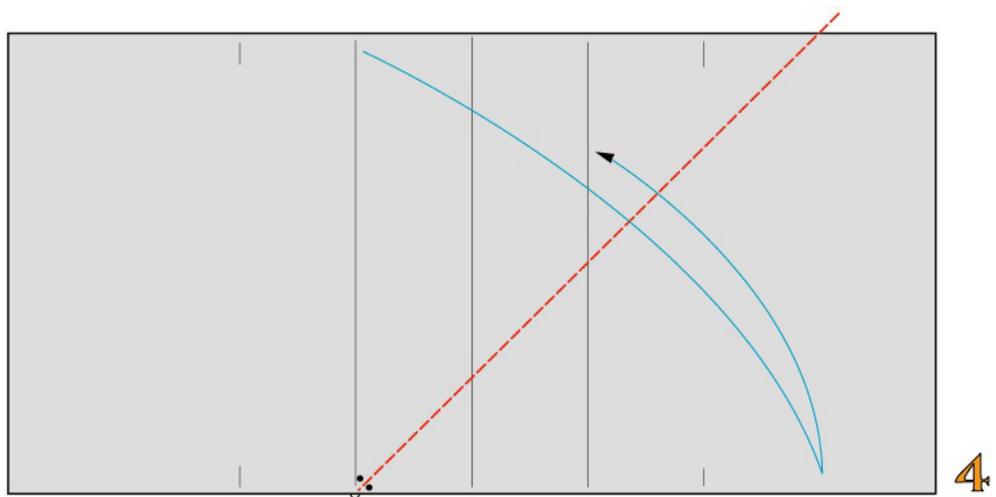
1 piega a valle



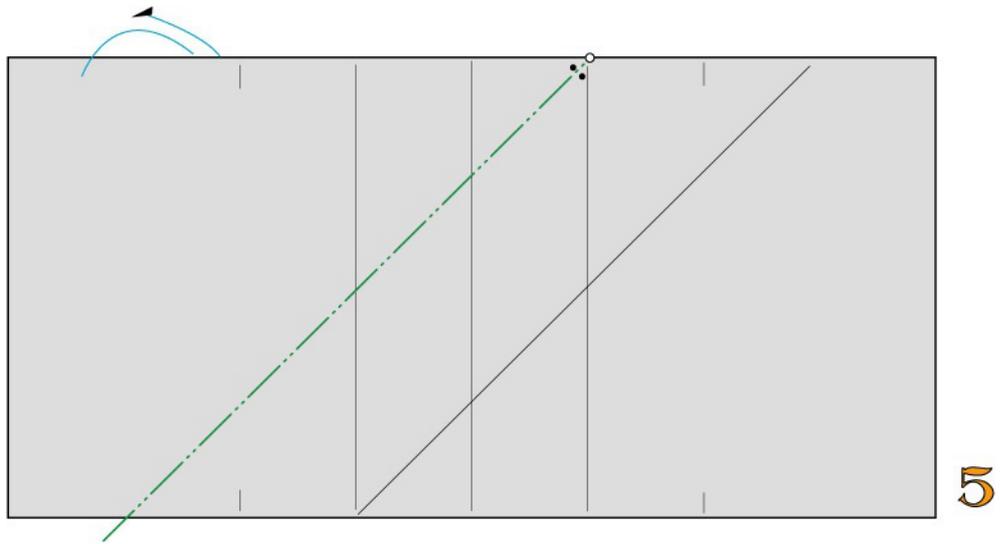
4 piccole pieghe a valle



2 pieghe a valle

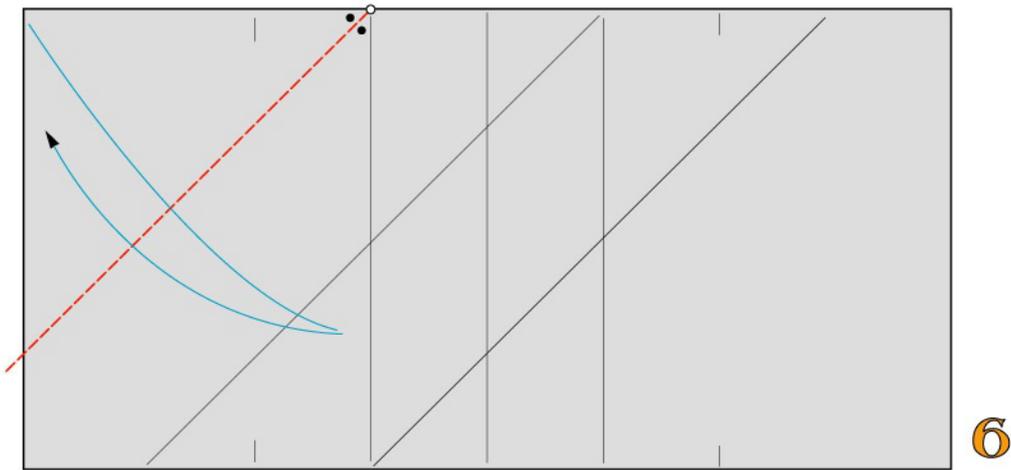


1 piega bisettrice a valle



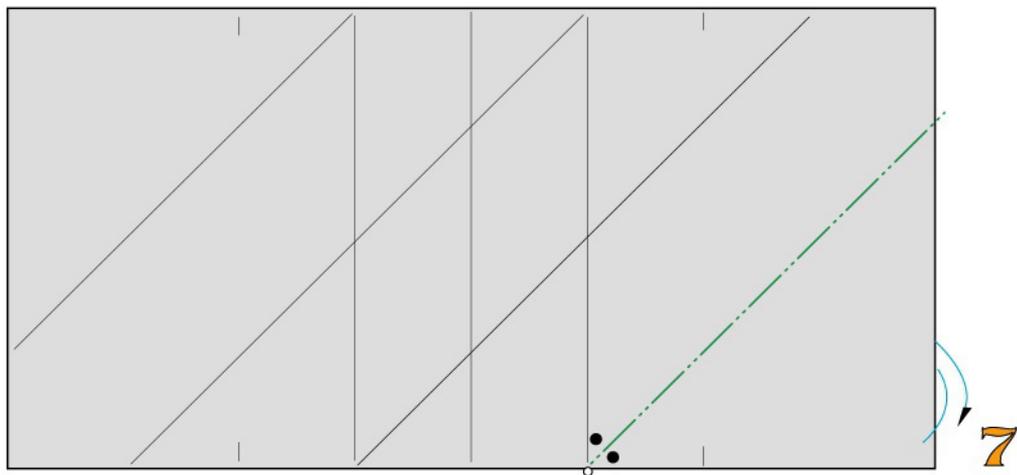
5

1 piega bisettrice a monte



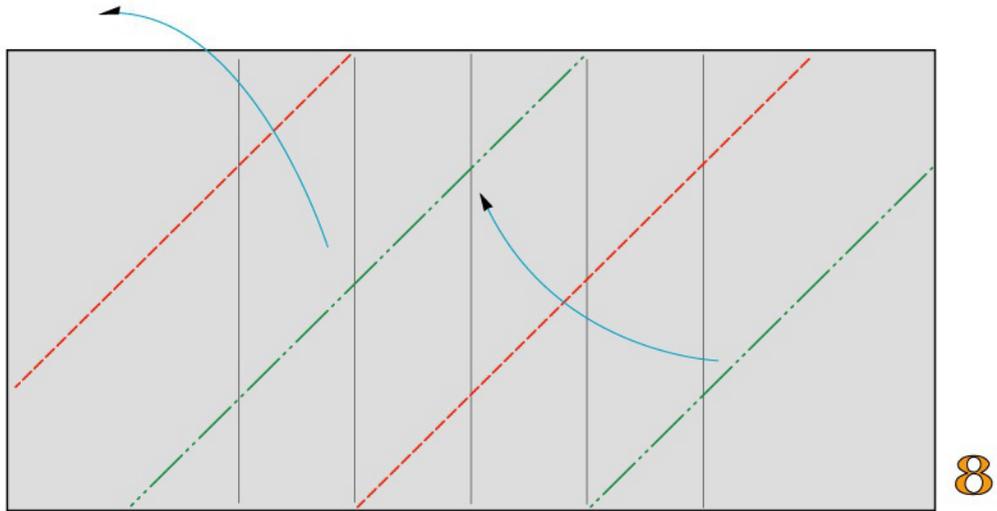
6

1 piega bisettrice a valle

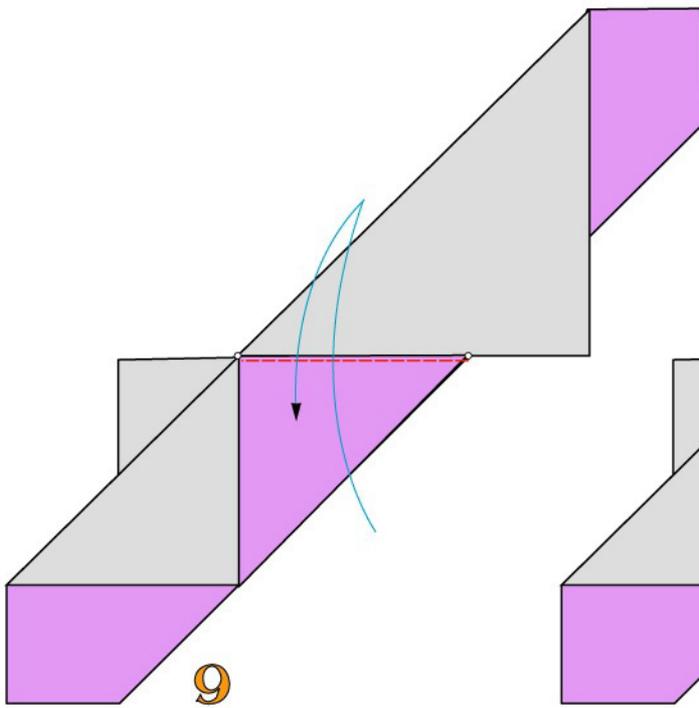


7

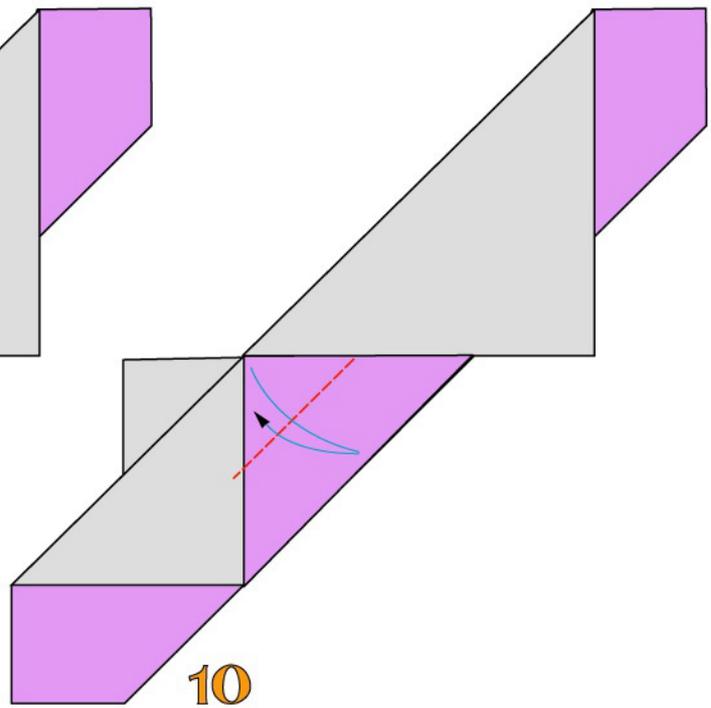
1 piega bisettrice a monte



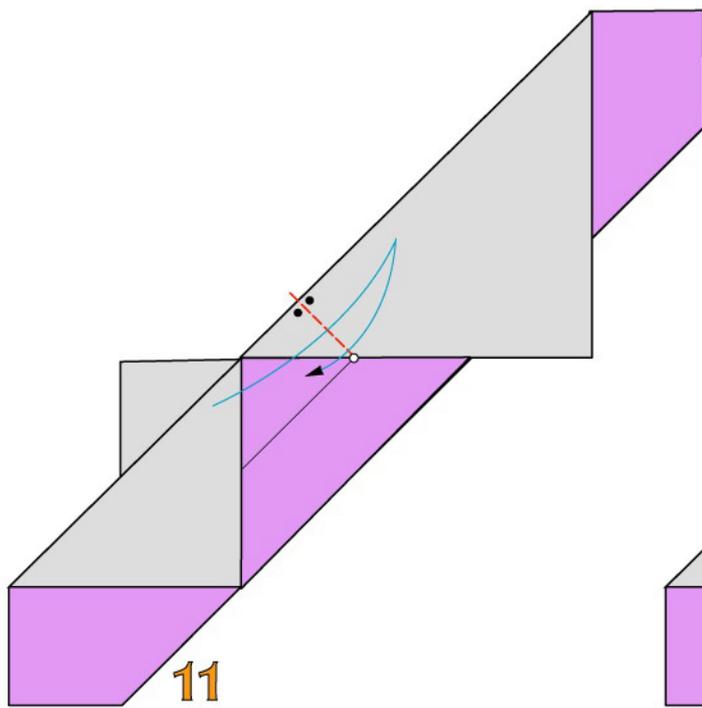
Ripiegate a valle e a monte



Ripiegate a valle

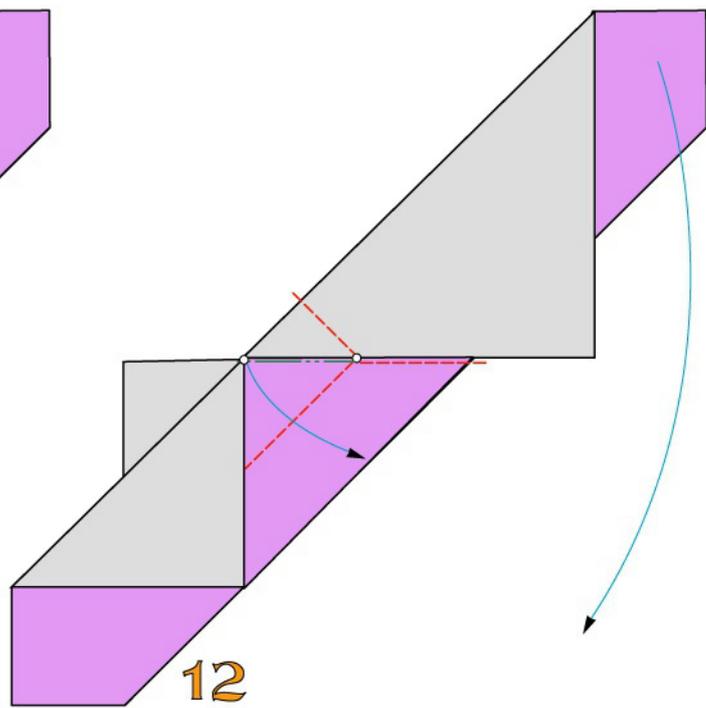


1 piega a valle solo sulla superficie in vista



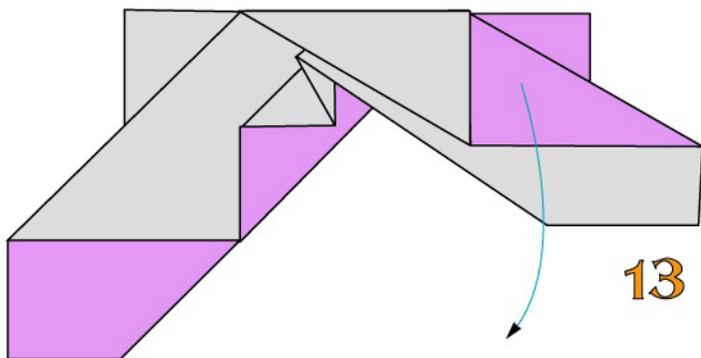
11

1 piega a valle solo sulla superficie in vista

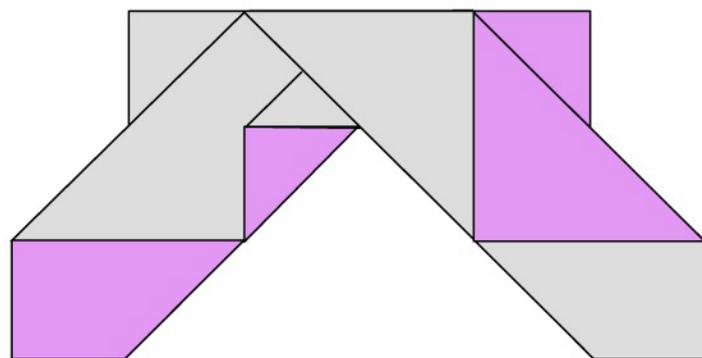


12

Ripiegate a valle e a monte

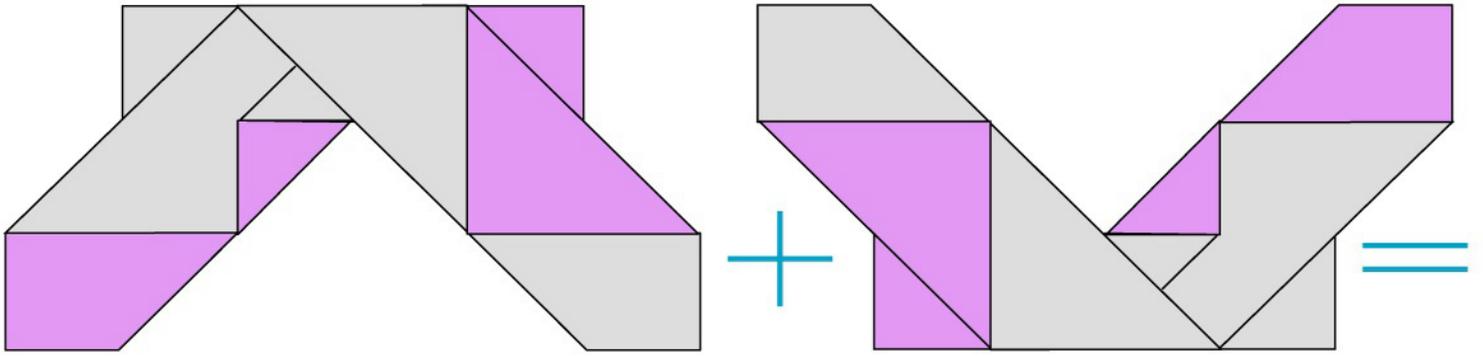


13

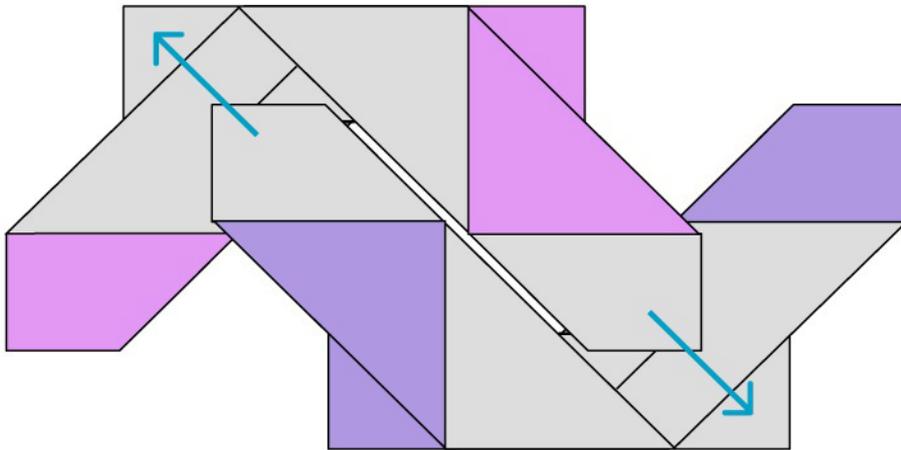


14

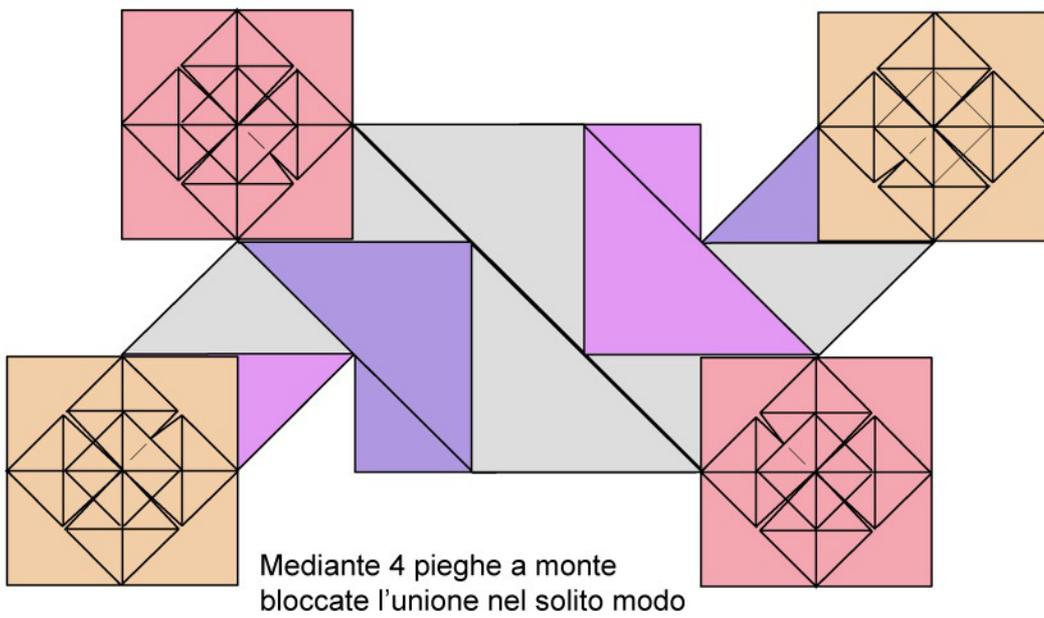
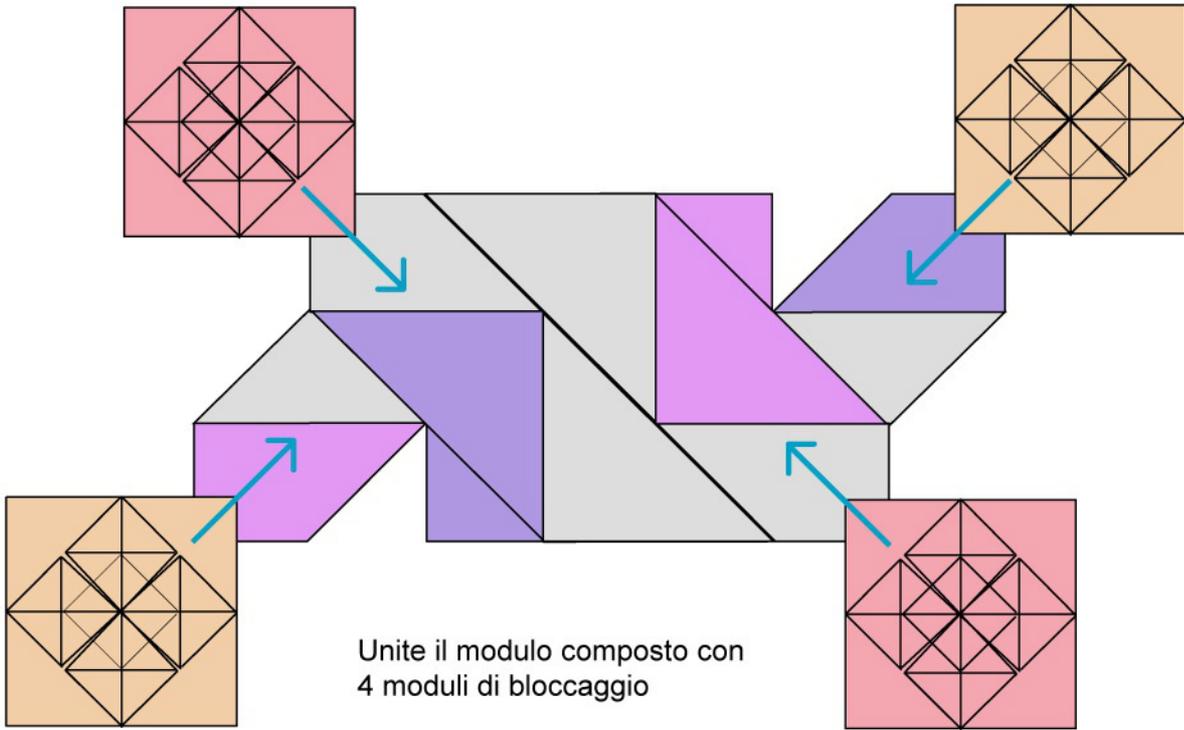
Modulo "L" ultimato



Unite 2 moduli "L"



UNIONE DEI MODULI



TASSELLAZIONE "M"

MODULARE COMPATTA CILINDRICA

Franco Pavarin 23

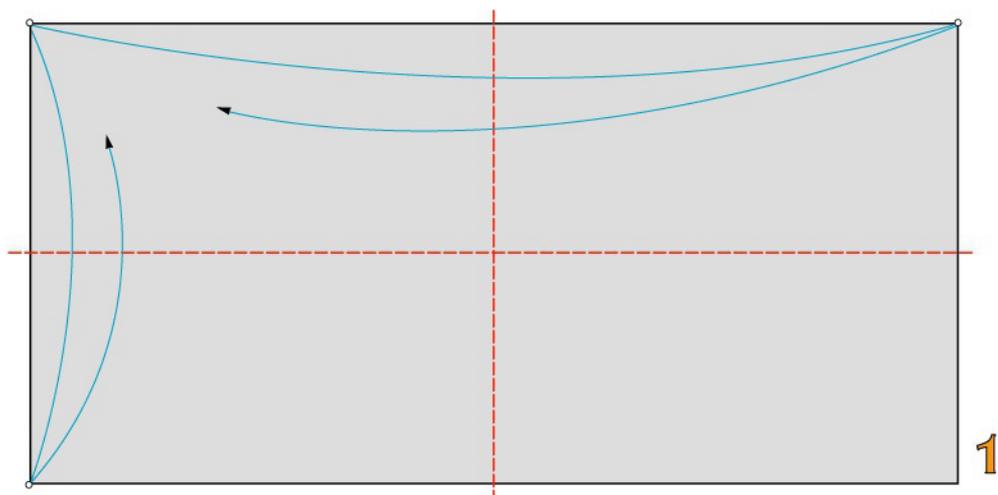
Si lavora unendo 2 tipi di modulo differenti con moduli di bloccaggio.

Il modulo "M1" si costruisce con un foglio rettangolare 2x1 di superficie doppia di quella del modulo di bloccaggio; carta monocolore pesante.

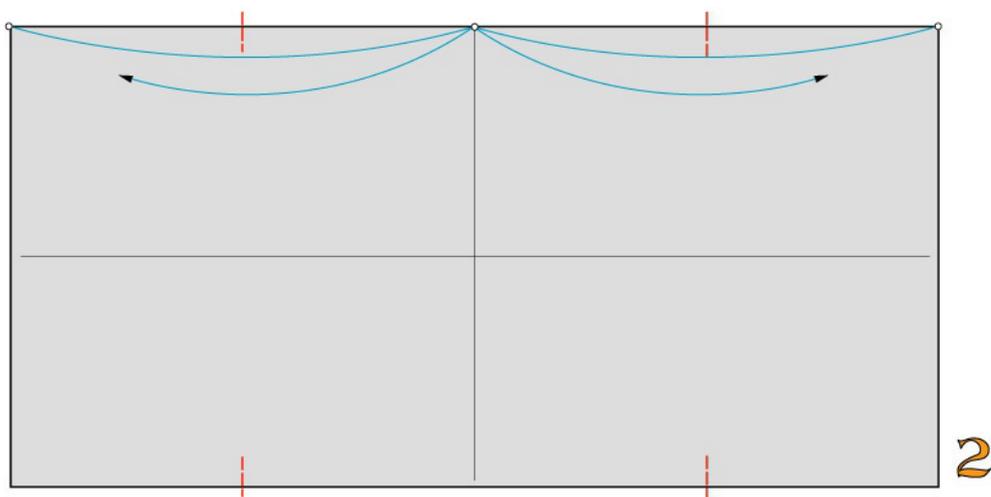
Il modulo "M2" si costruisce con un foglio quadrato delle stesse dimensione di quelli adoperati per i moduli di bloccaggio, carta monocolore di medio peso



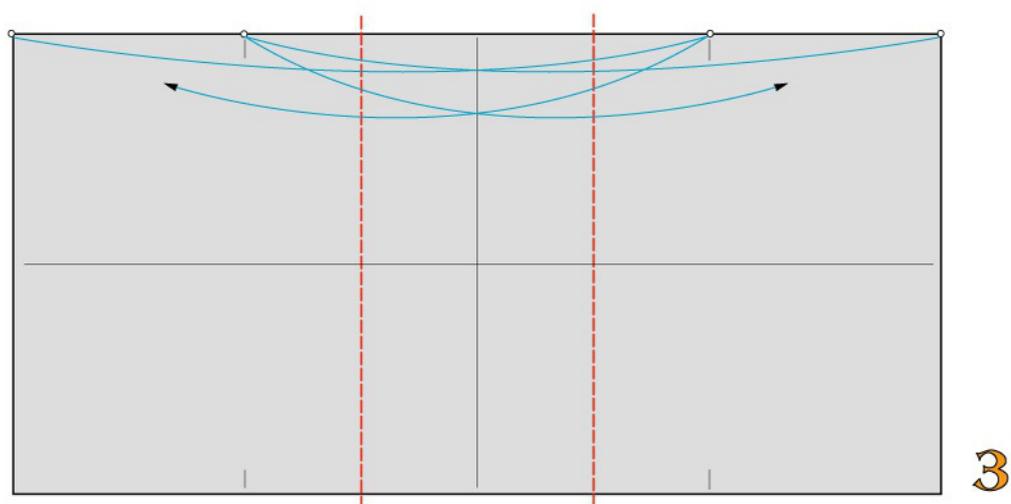
MODULO "M1"



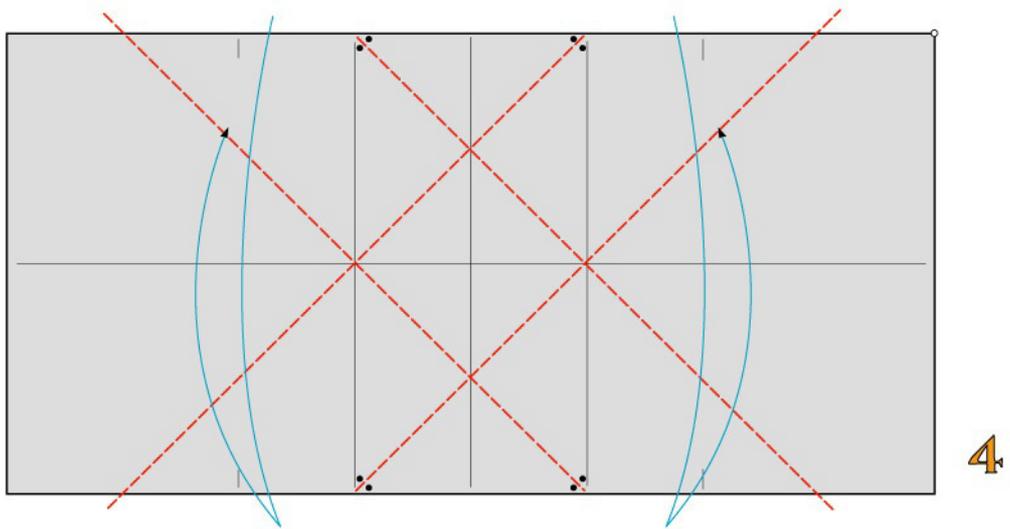
2 pieghe a valle



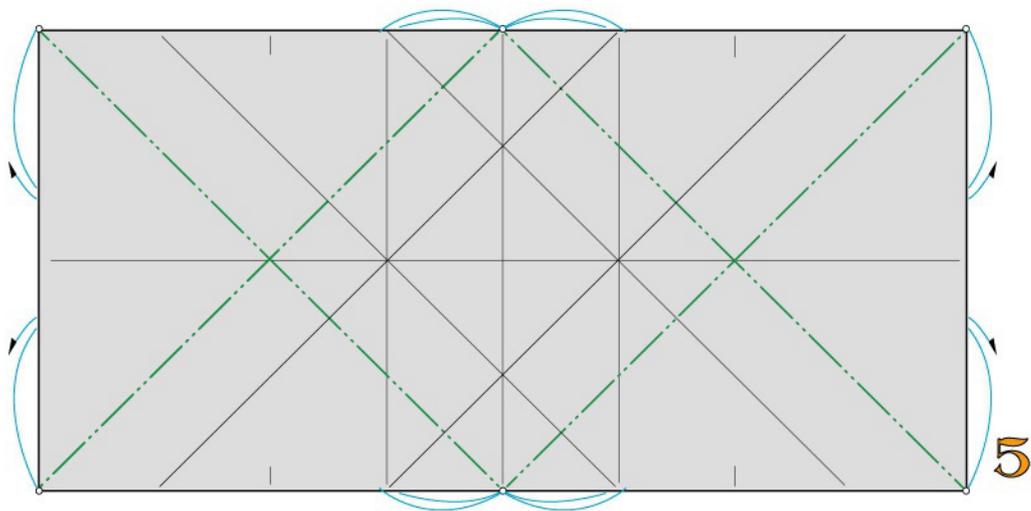
4 piccole pieghe a valle



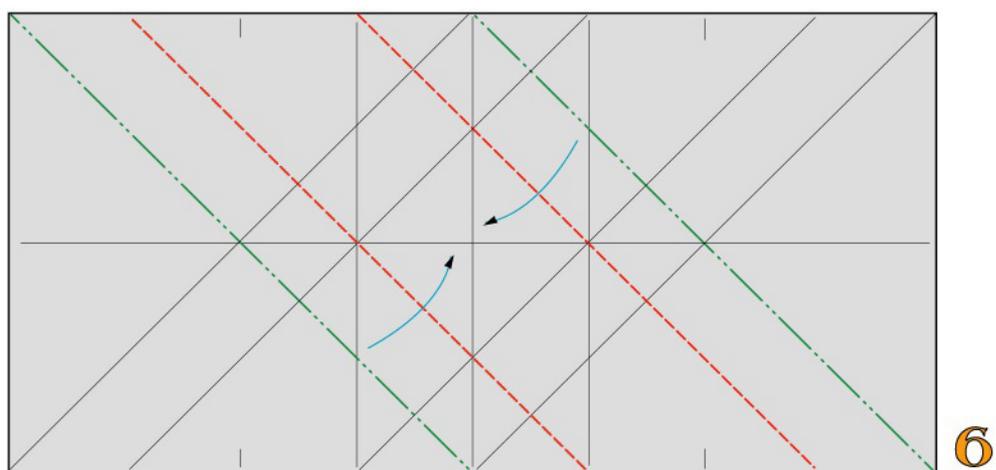
2 pieghe a valle



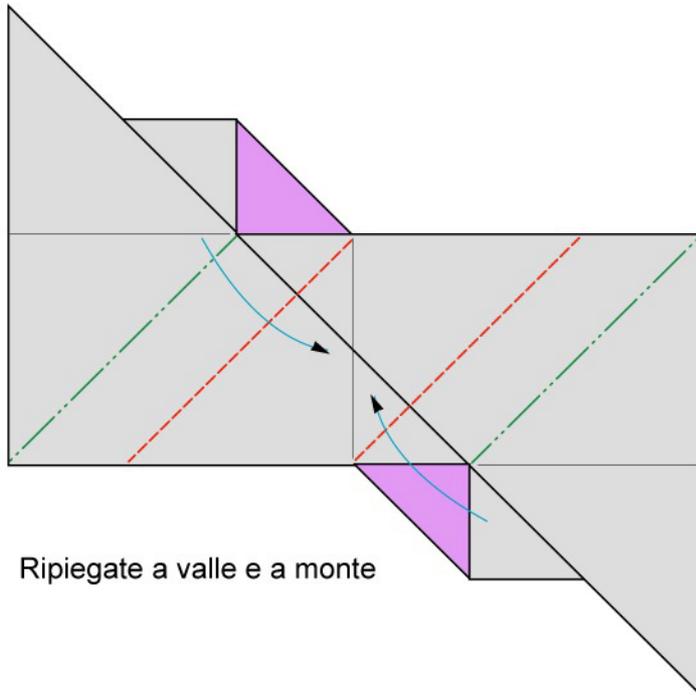
4 pieghe bisettrici a valle



4 pieghe diagonali a monte

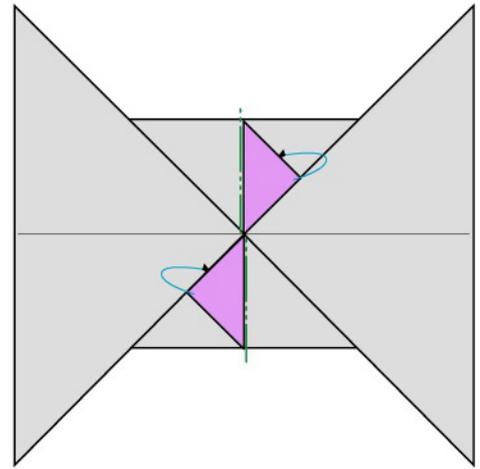


Ripiegate a valle e a monte



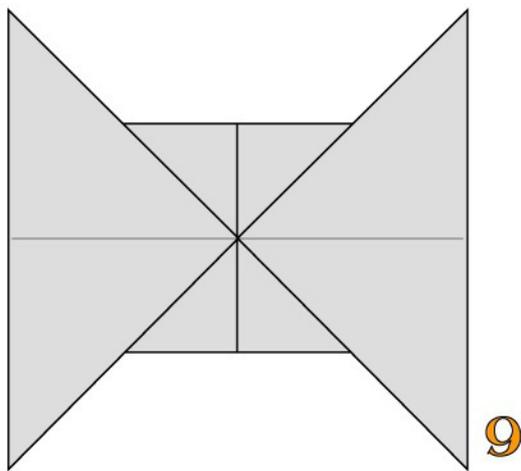
Ripiegate a valle e a monte

7



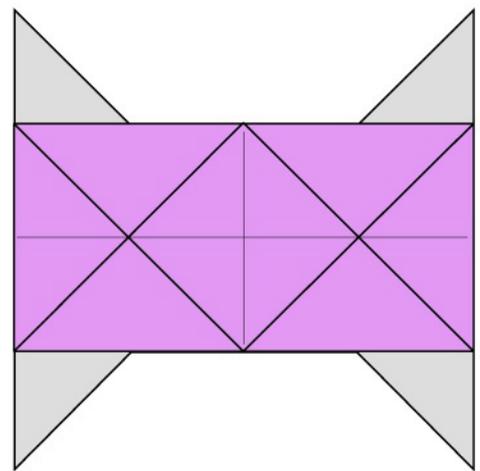
2 pieghe a monte e intascate

8

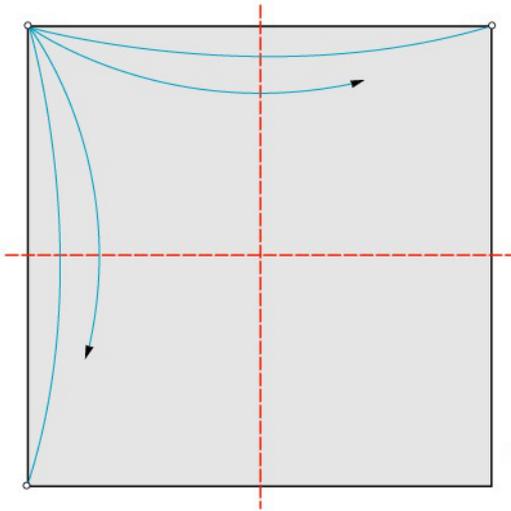


Modulo "M1" ultimato. Ribaltate

9

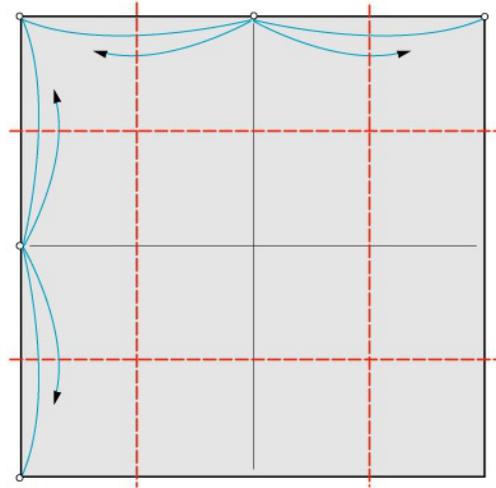


MODULO "M2"



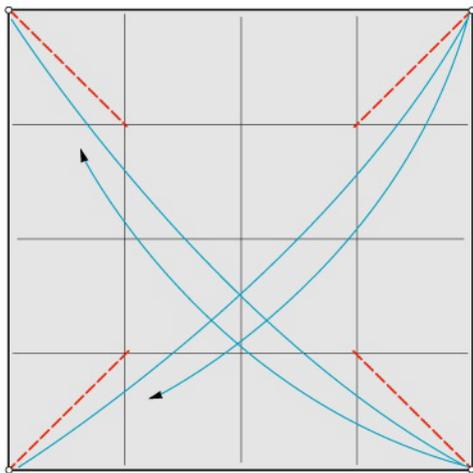
1

2 pieghe a valle



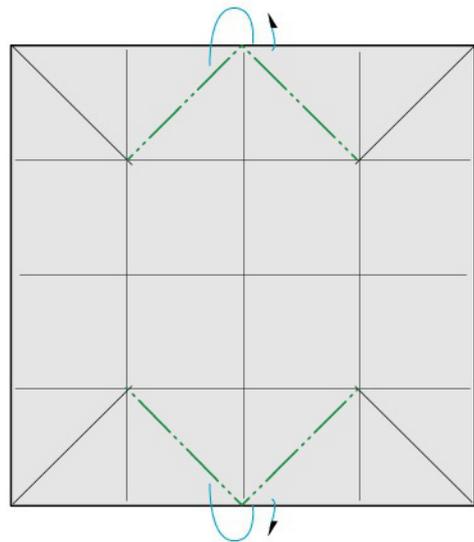
2

4 pieghe a valle



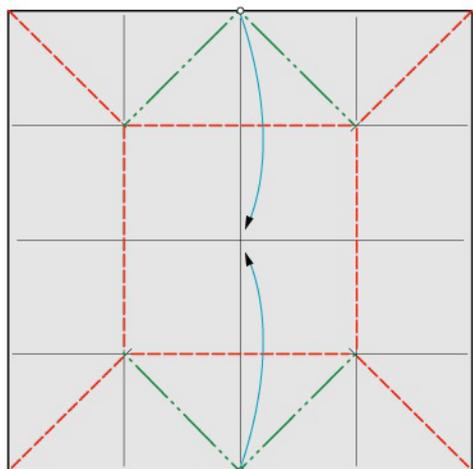
3

4 pieghe diagonali a valle



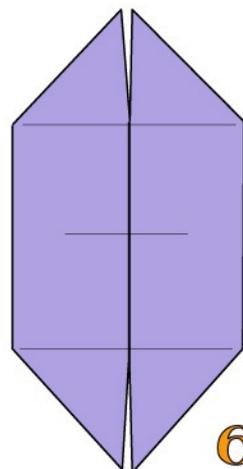
4

4 pieghe diagonali a monte



5

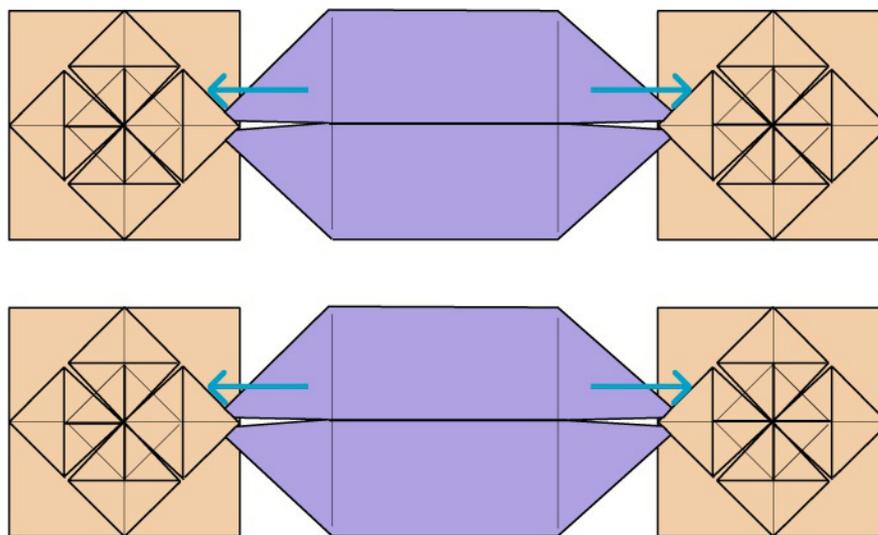
Ripiegate a valle e a monte



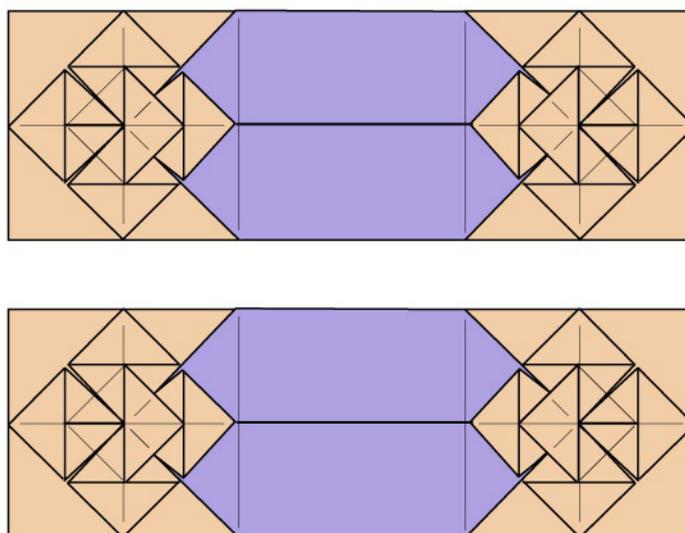
6

Modulo "M2" ultimato

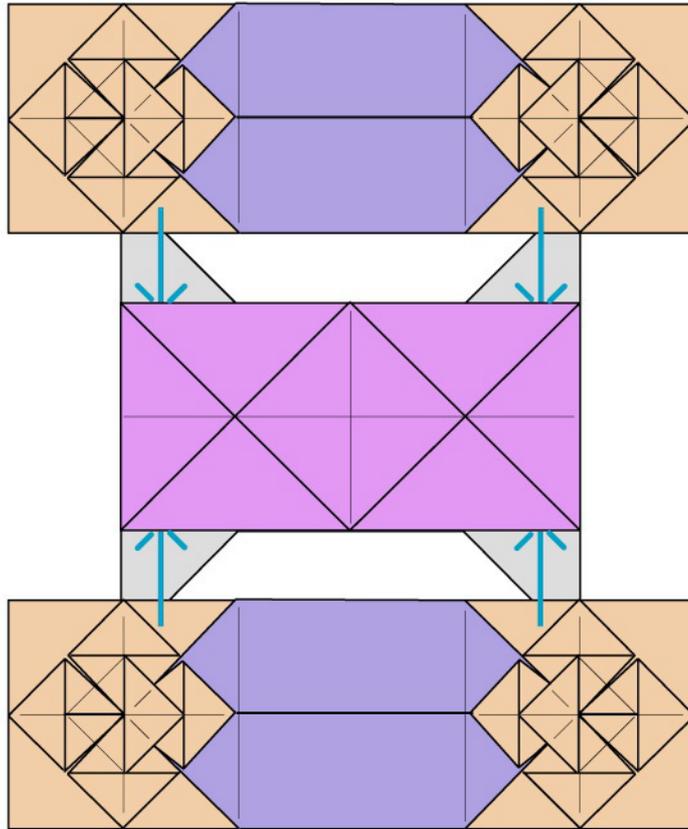
UNIONE DEI MODULI



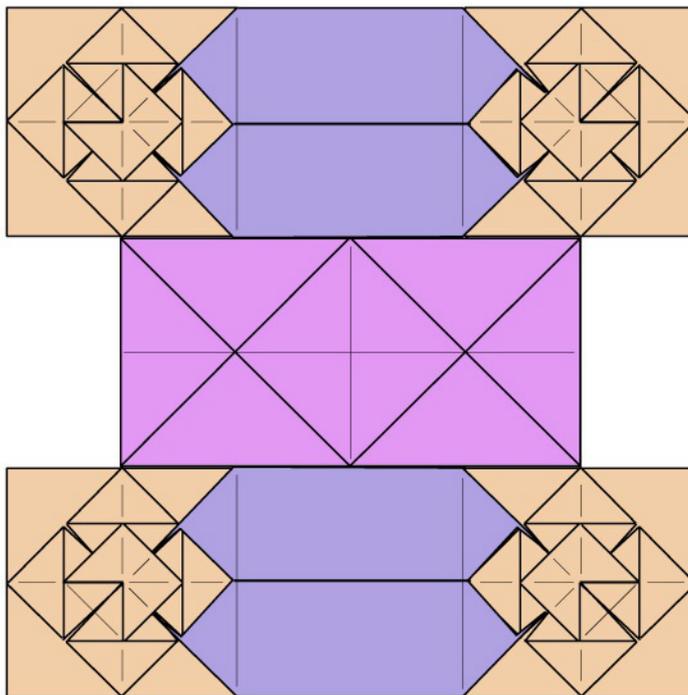
Unite 2 volte 2 moduli di bloccaggio con 1 modulo "M2"



Mediante pieghe a monte bloccate
l'unione nel solito modo



Unite con 1 modulo "M1"



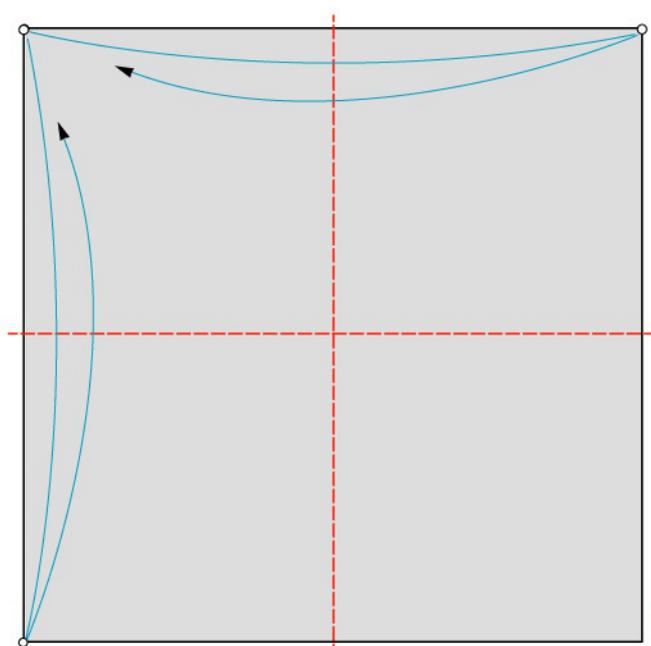
Mediante pieghe a monte bloccate
l'unione nel solito modo

TASSELLAZIONE "N"

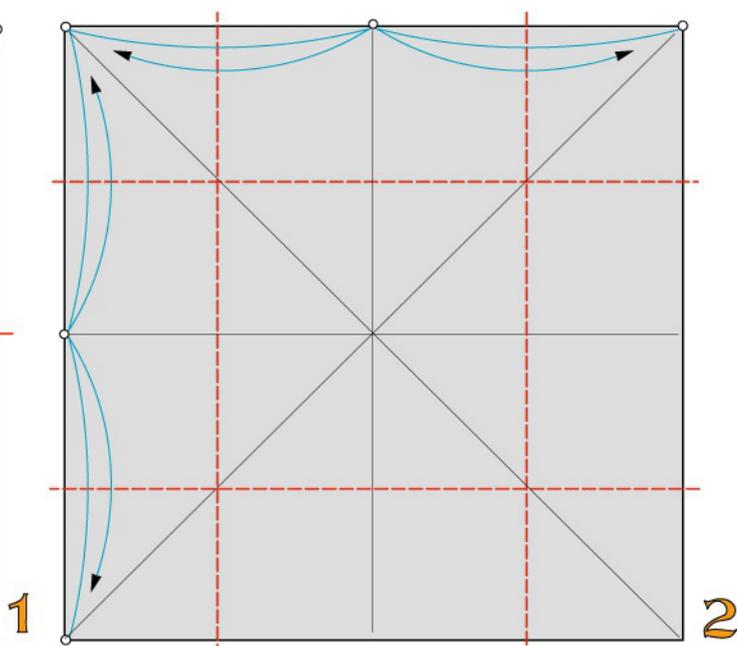
MODULARE TRAFORATA

Franco Pavarin 23

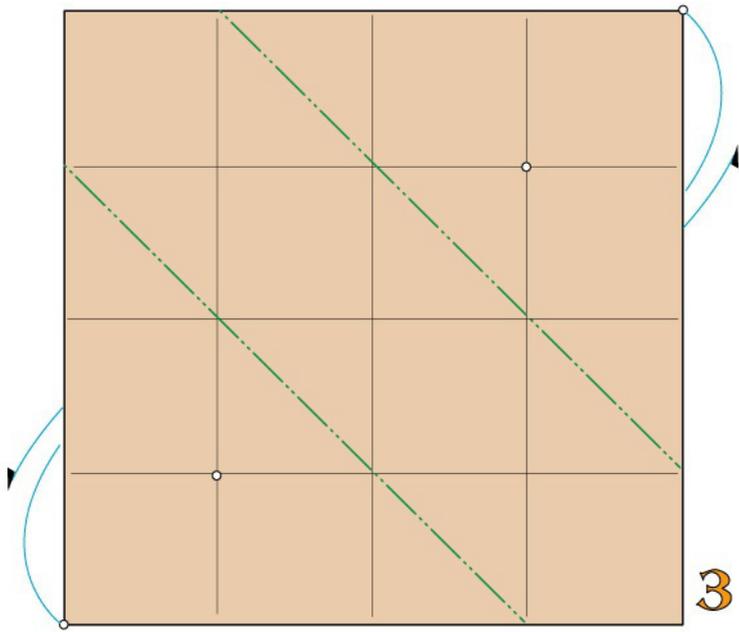
La tassellazione "N" è formata dall'unione di moduli "N1" e "N2".
Adoperate fogli monocolori o bicolori di medio peso.



2 pieghe a valle

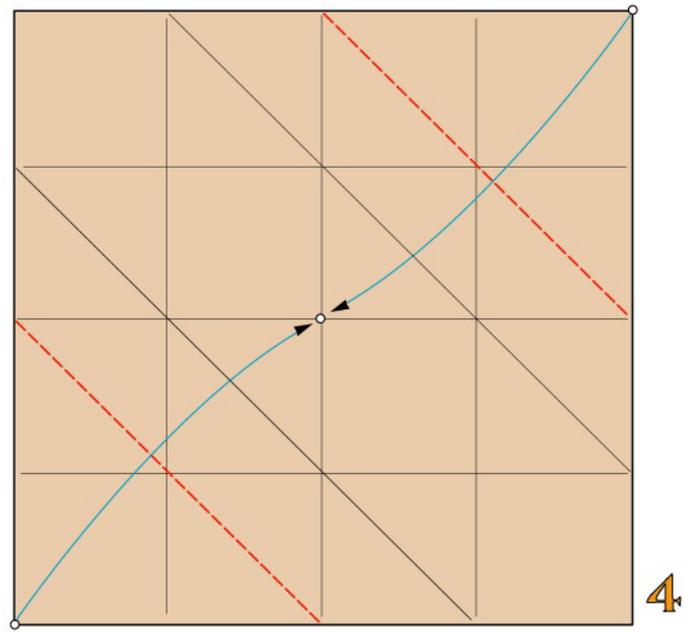


4 pieghe a valle



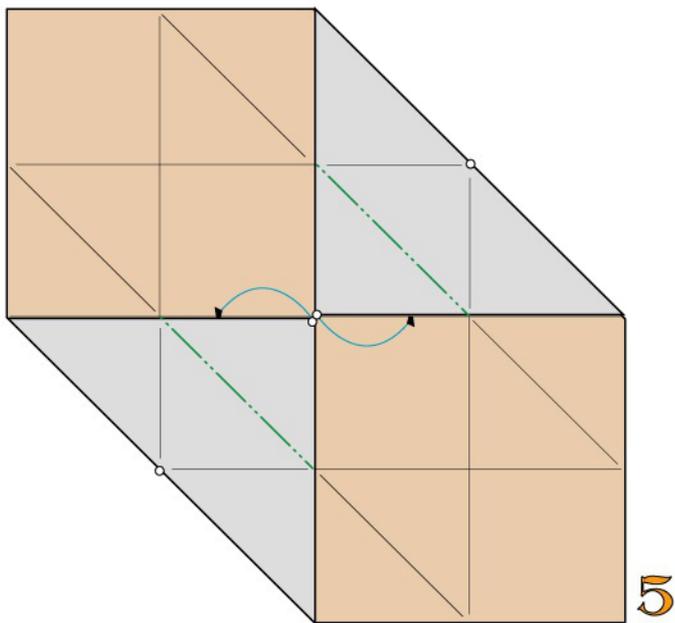
2 pieghe diagonali a monte

3



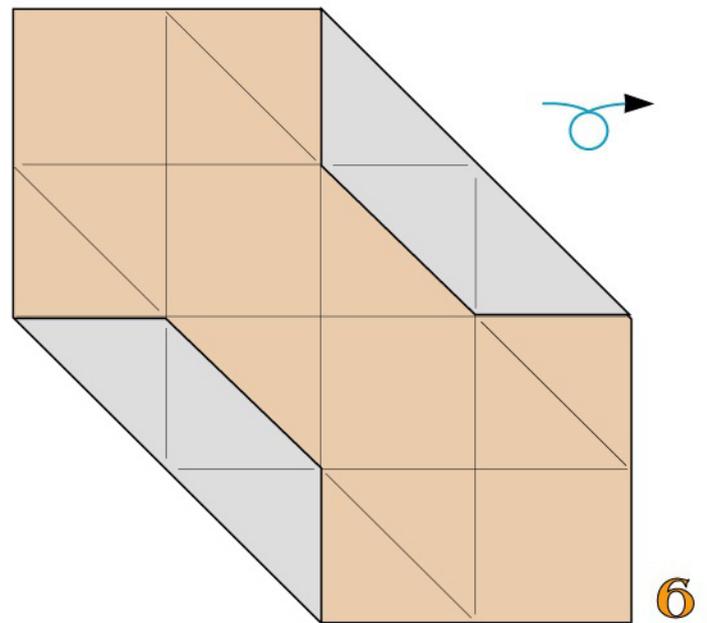
2 pieghe diagonali a valle

4



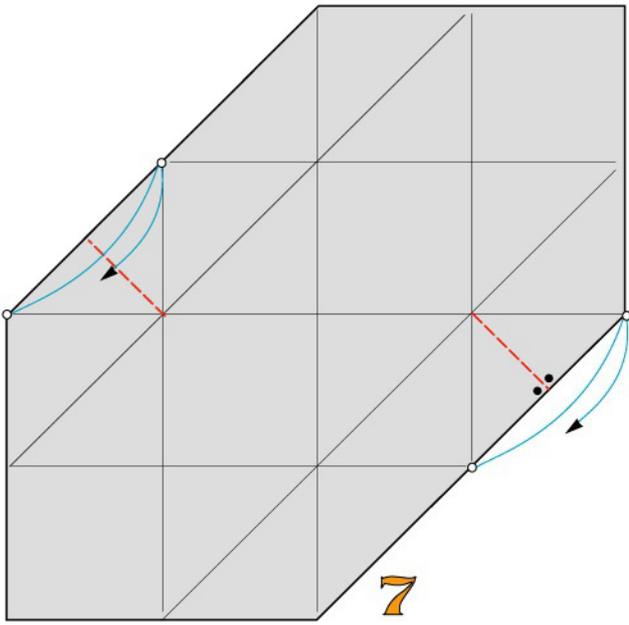
2 pieghe diagonali a monte

5

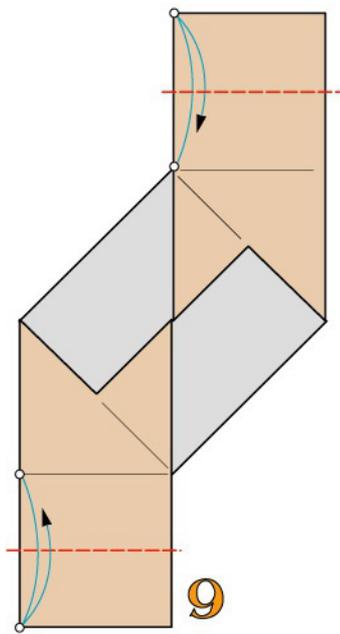
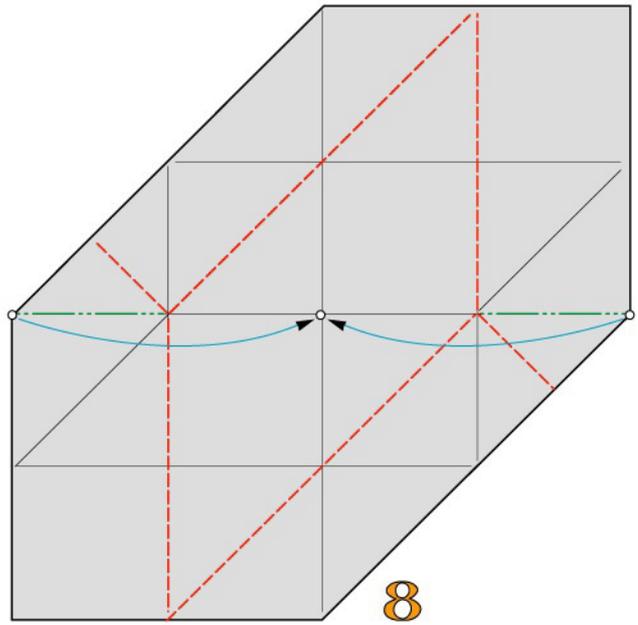


Ribaltate

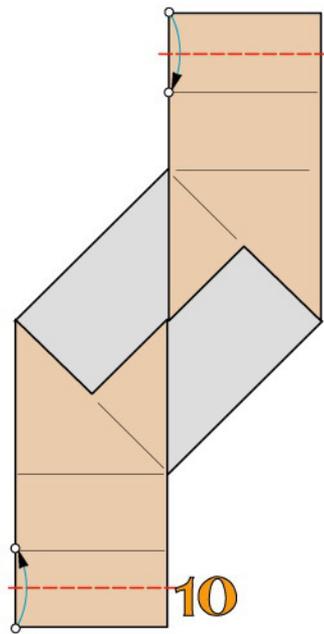
6



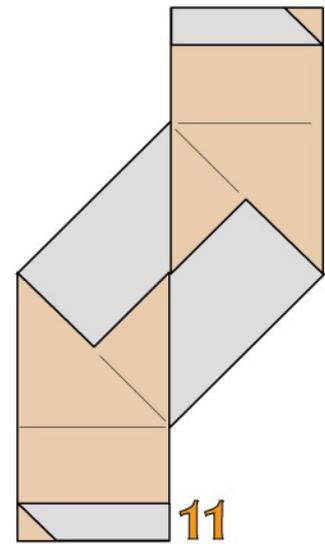
2 pieghe a valle



2 pieghe a valle

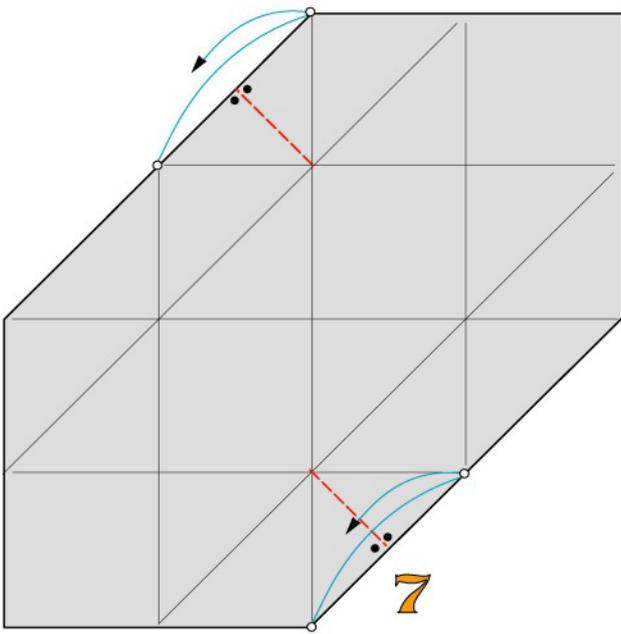


2 pieghe a valle

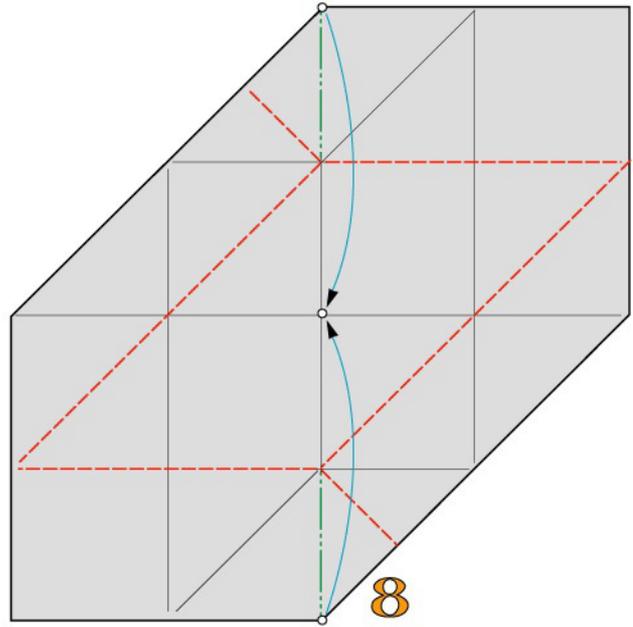


Modulo N1 ultimato

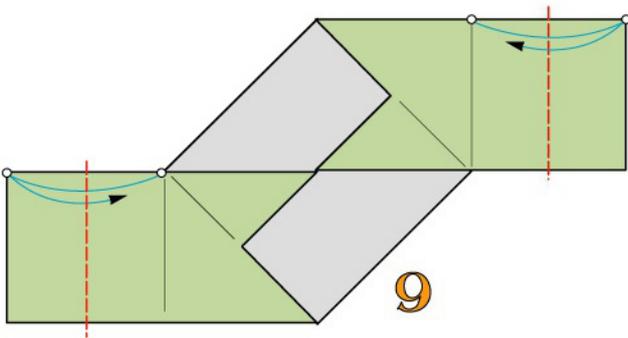
COSTRUZIONE DEL MODULO "N2"



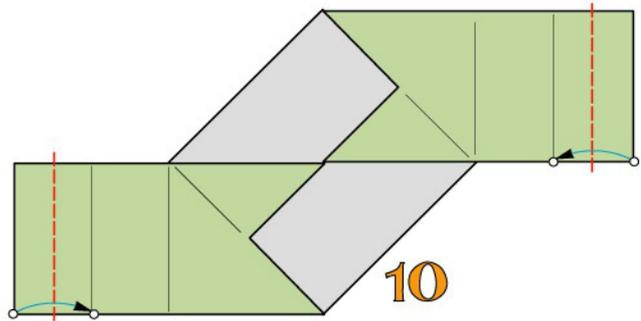
Partite dalla fig. n. 6 della tassellazione "N"



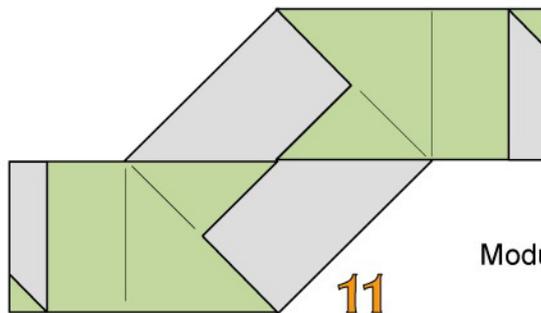
Ripiegate a valle e a monte



2 pieghe a valle

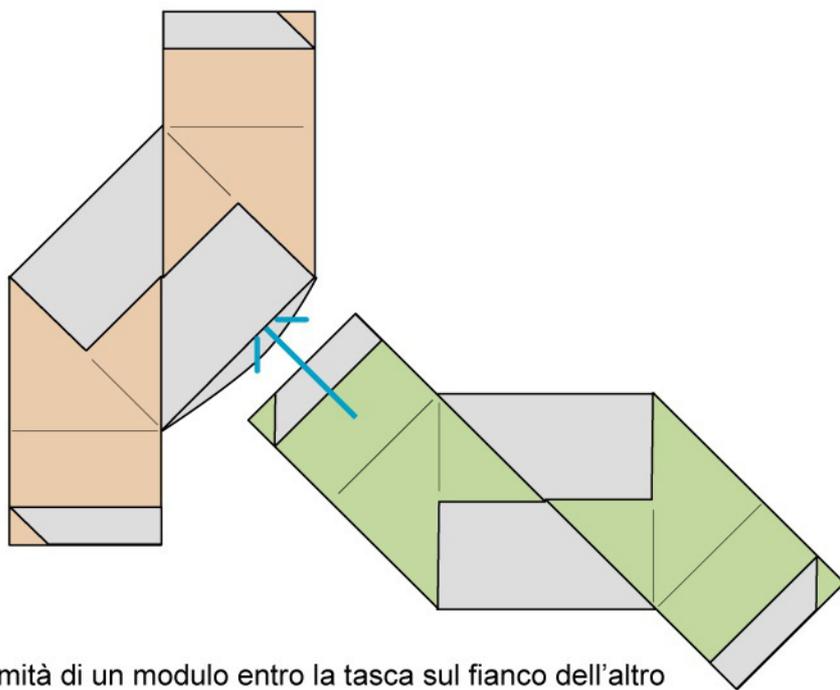


2 pieghe a valle



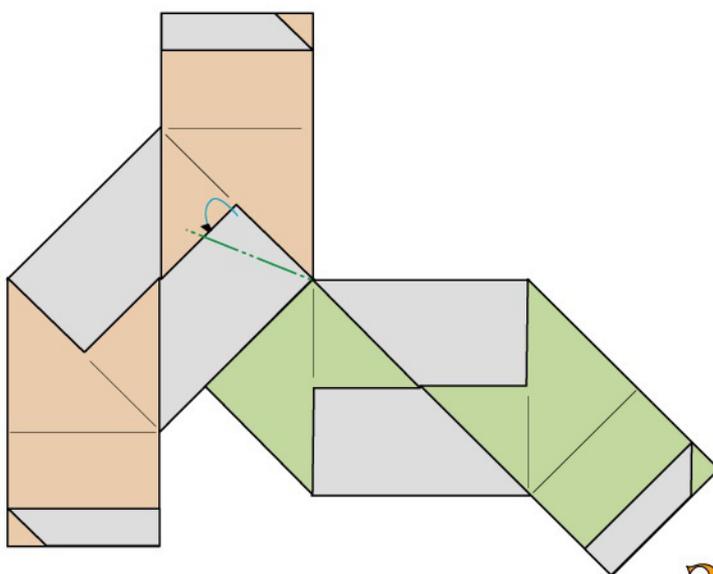
Modulo N2 ultimato

UNIONE DEI MODULI



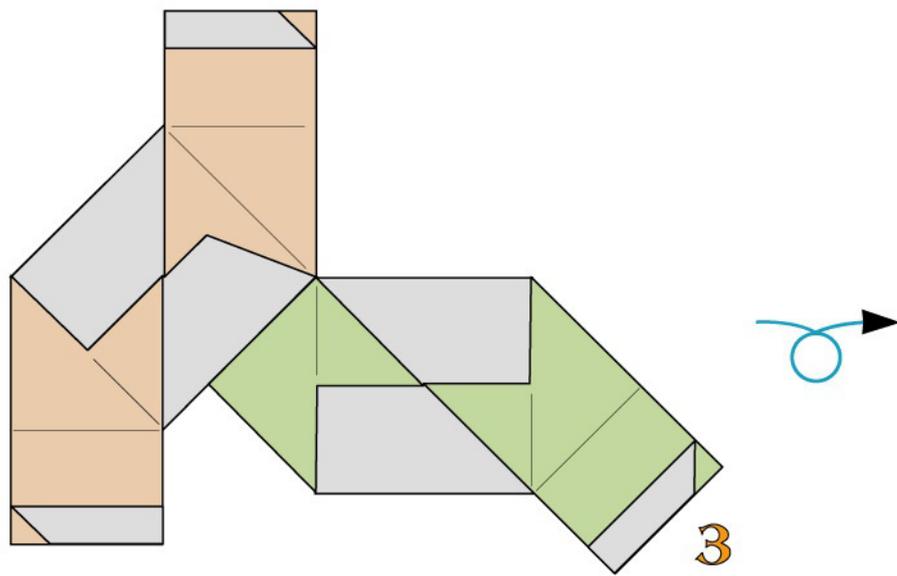
Intascate l'estremità di un modulo entro la tasca sul fianco dell'altro

1

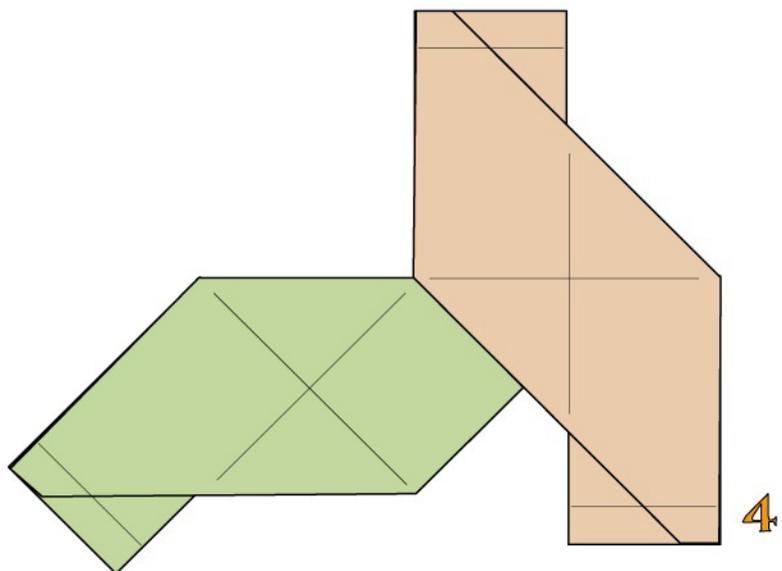


Mediante una piega a monte bloccate l'unione

2



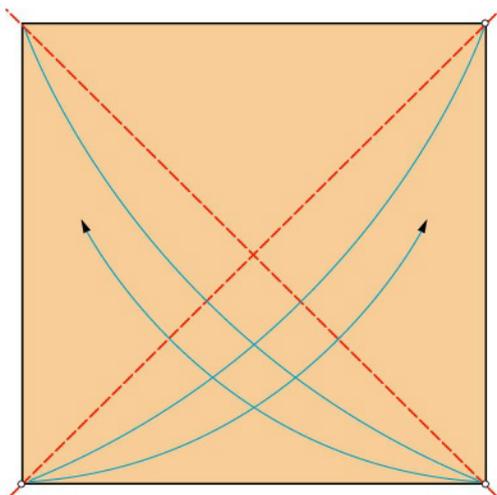
Ribaltate



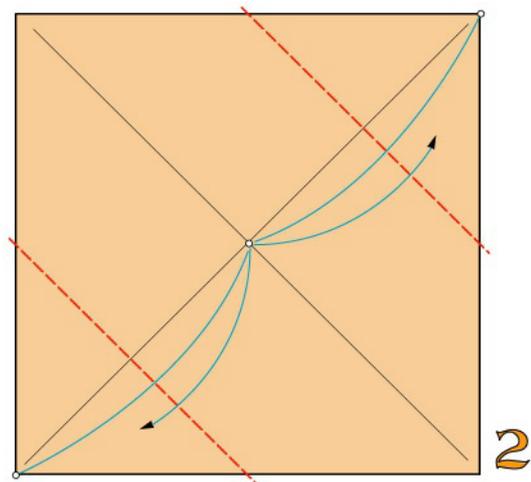
TASSELLAZIONE MODULARE COMPATTA "O"



Adoperare fogli di carta bicolore
leggera delle dimensioni di cm 10x10

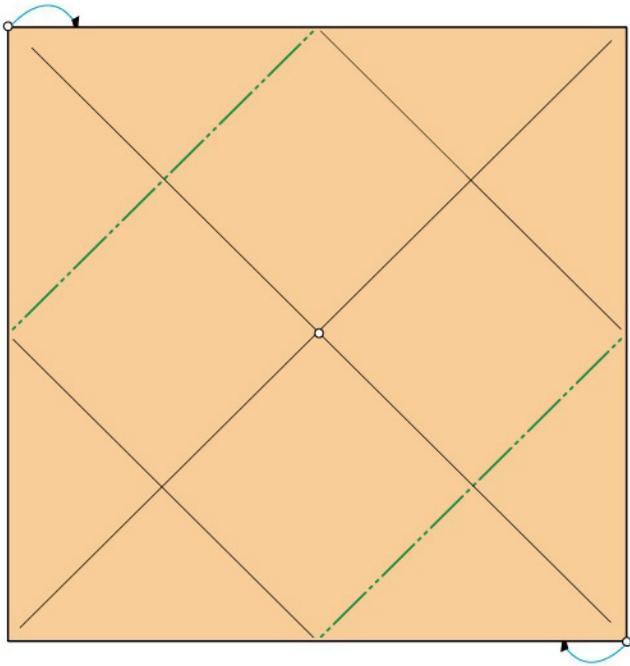


2 pieghe diagonali a valle



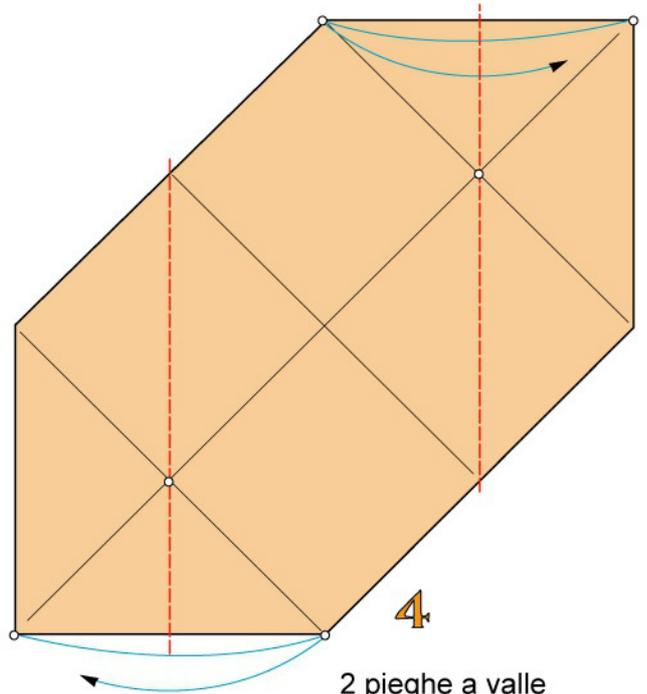
2 pieghe a valle





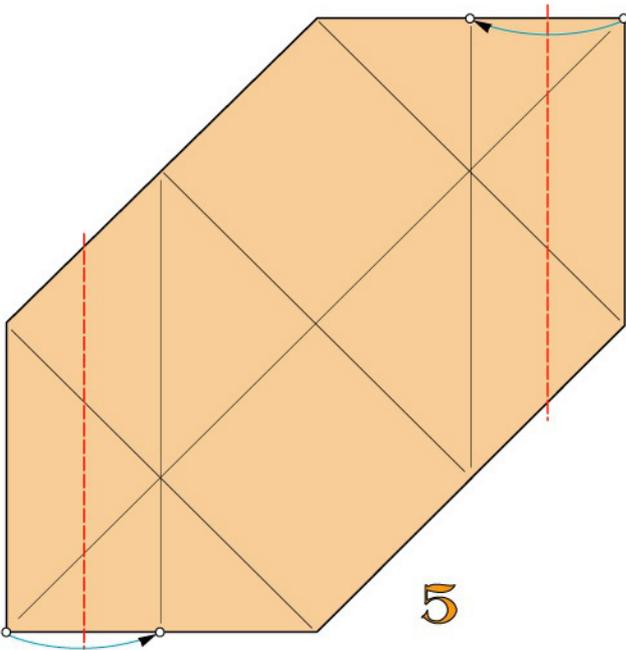
2 pieghe a monte

3



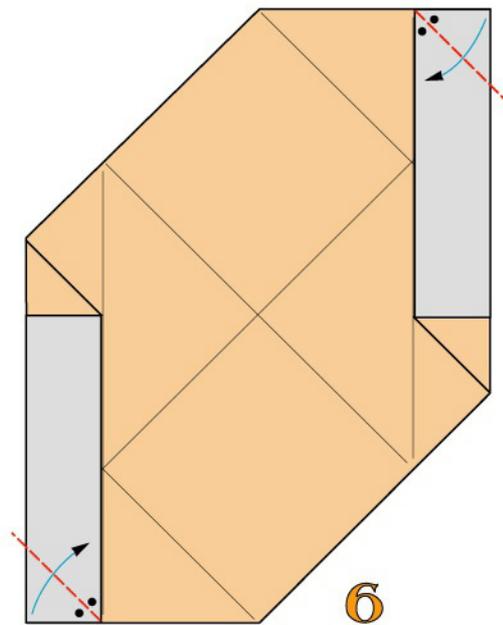
2 pieghe a valle

4



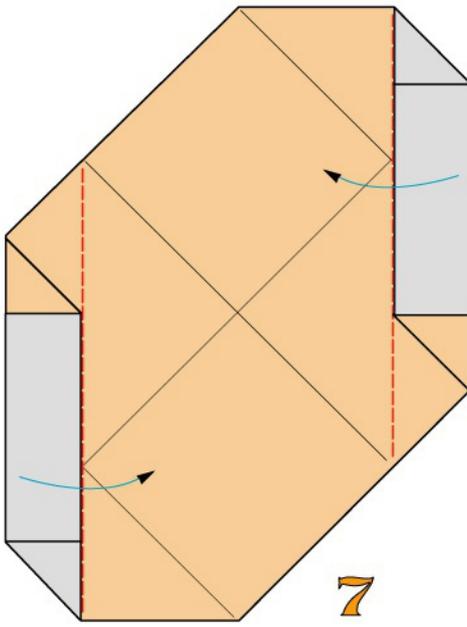
2 pieghe a valle

5



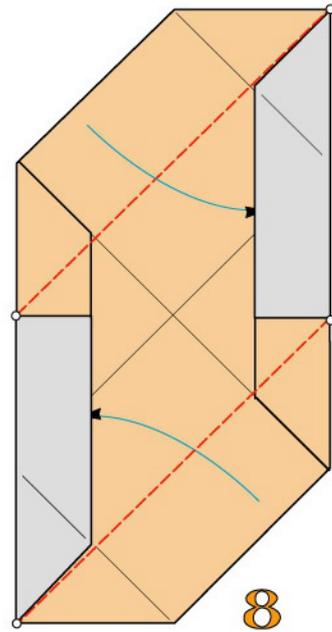
2 pieghe bisettrici a valle

6



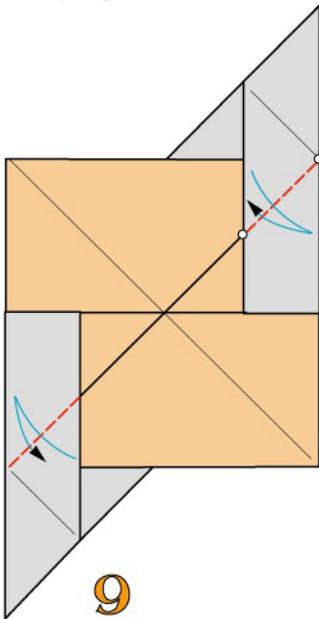
7

Ripiegate a valle



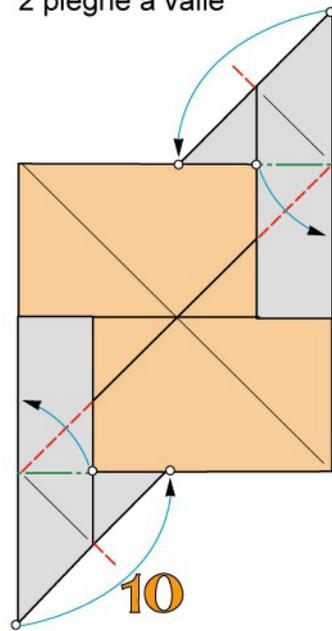
8

2 pieghe a valle



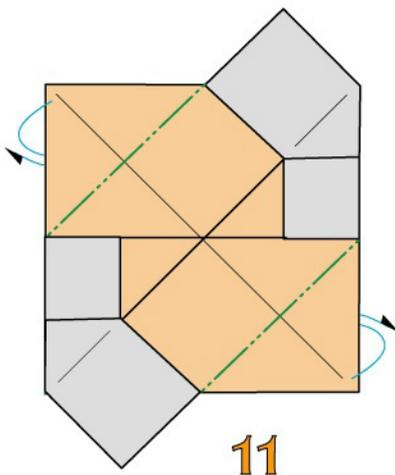
9

2 pieghe a valle



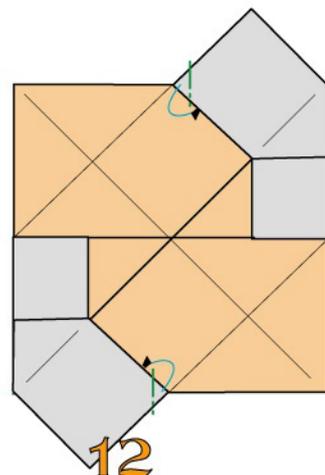
10

Ripiegate a valle e a monte



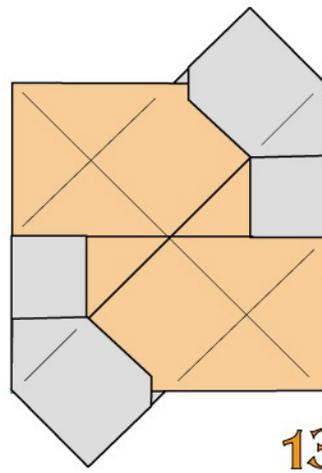
11

2 pieghe a monte



12

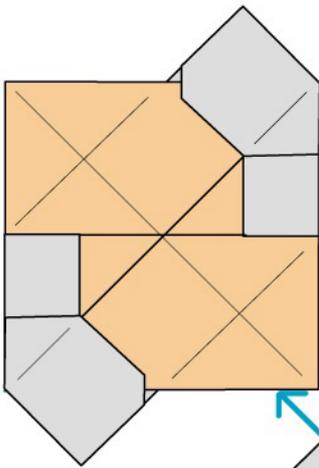
2 pieghe a monte



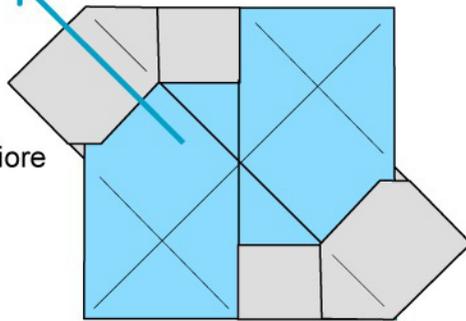
Modulo ultimato

13

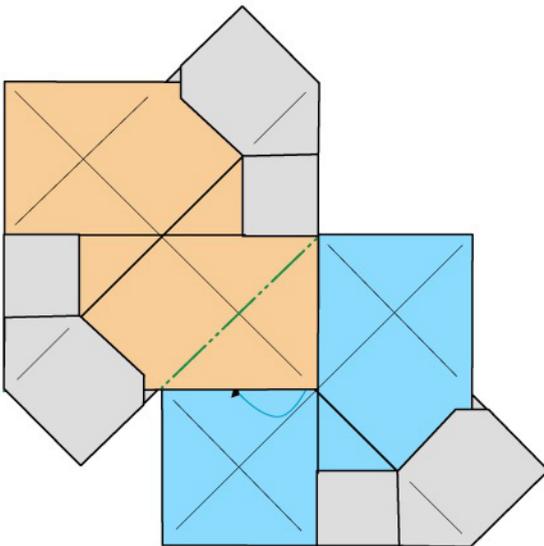
UNIONE DI 2 MODULI



Inserite il modulo inferiore
entro la tasca di quello superiore

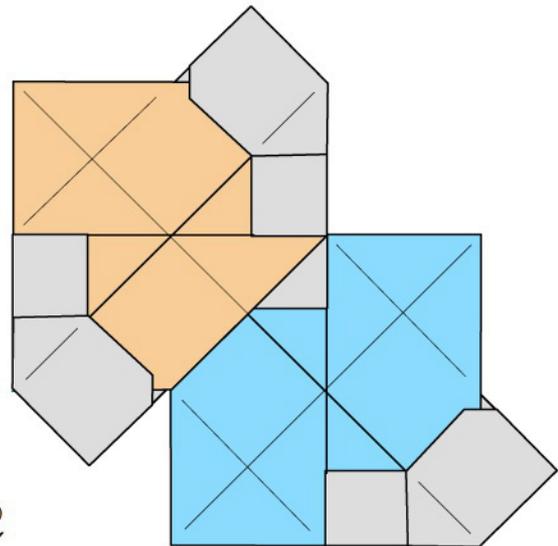


1



2

Mediante una piega a valle bloccate l'unione



3

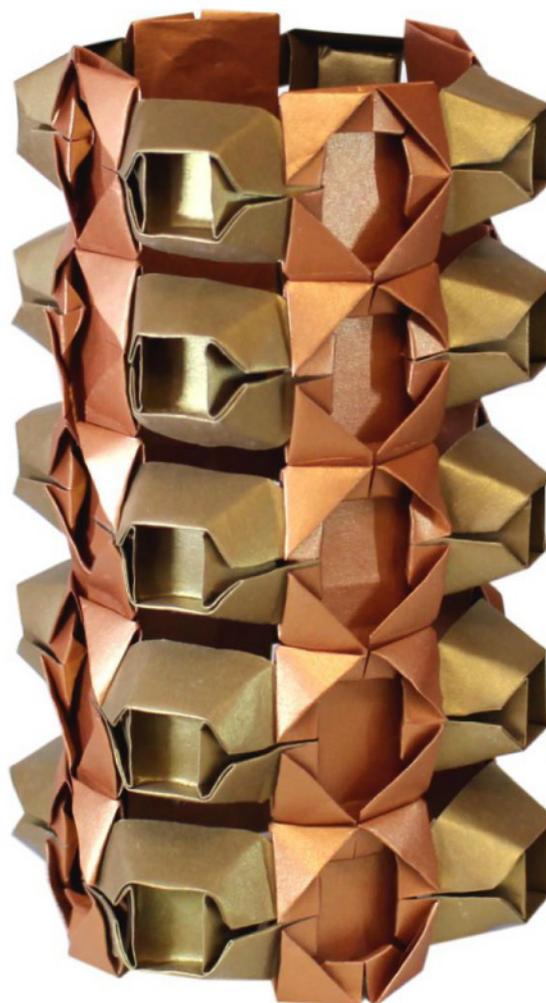
Unione di 2 moduli ultimata

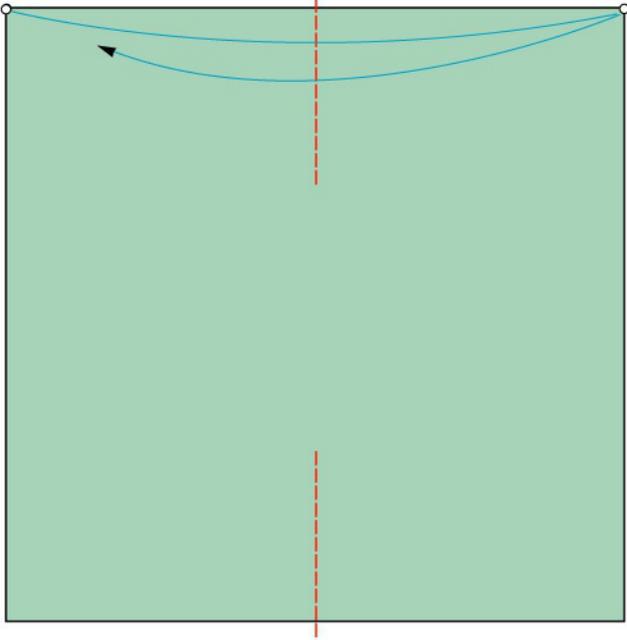
TORRE MODULARE TRAFORATA "A"

Franco Pavarin 23

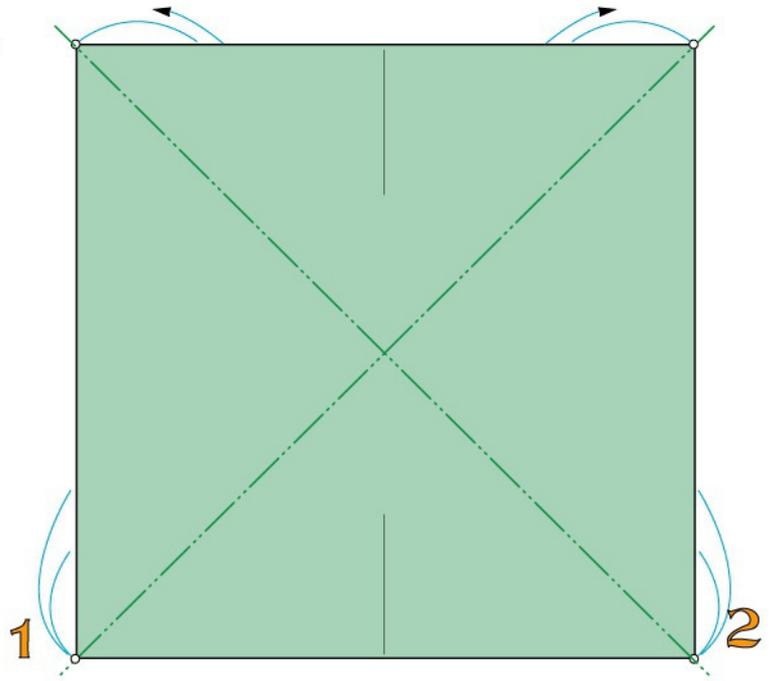
Sono necessari moduli "A" e moduli di bloccaggio, da costruire con fogli quadrati monocolori di carta di medio peso di cm 7,5 x7,5.

Per la costruzione del solido di figura sono stati adoperati 20 moduli "A" e 20 moduli di bloccaggio.

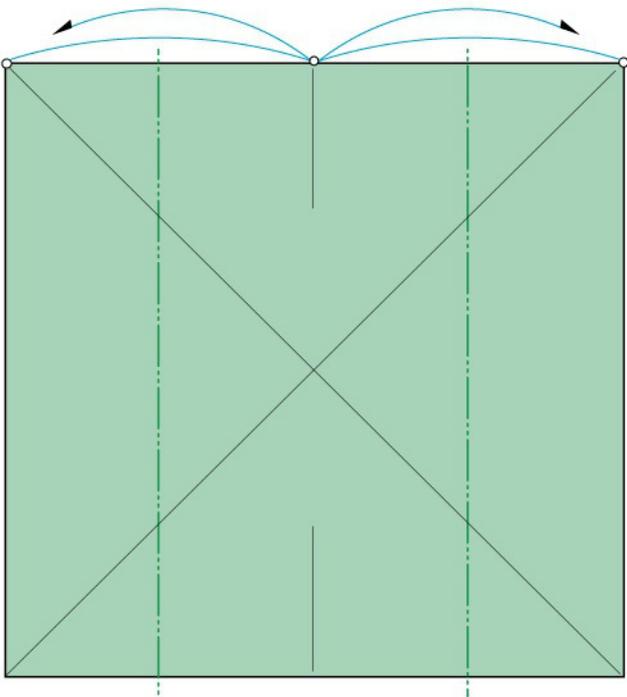




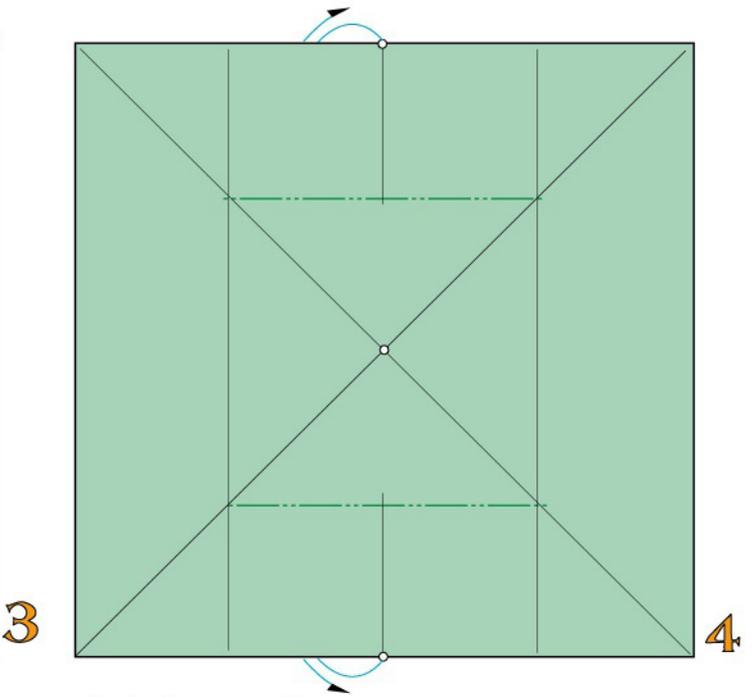
2 pieghe a valle



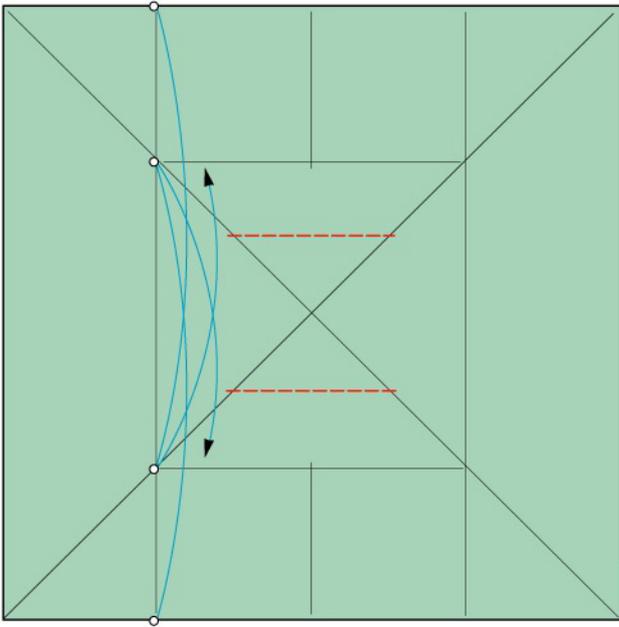
2 pieghe diagonali a monte



2 pieghe a monte

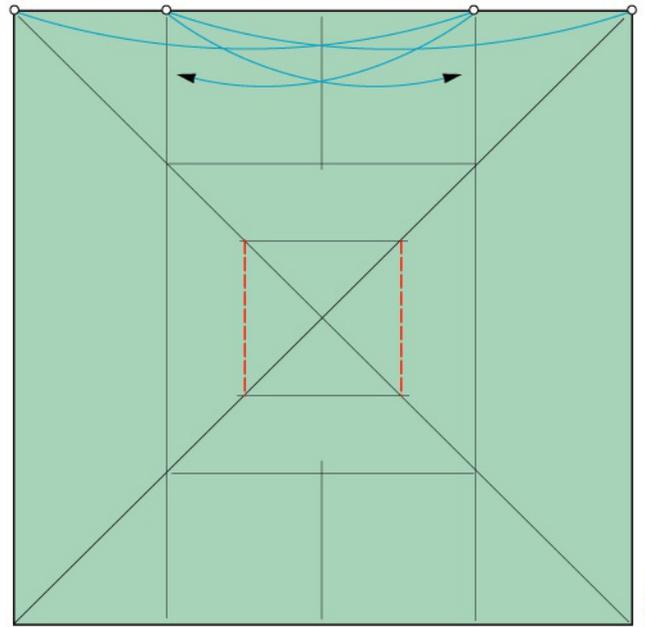


2 pieghe a monte



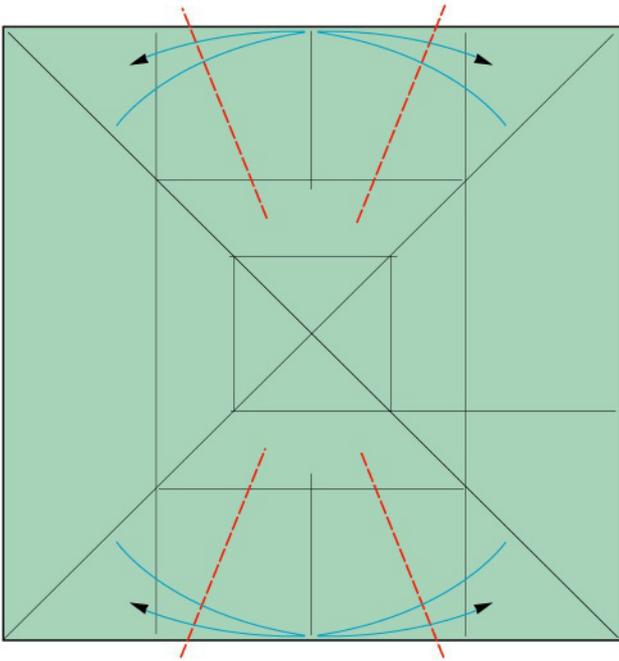
5

2 pieghe a valle



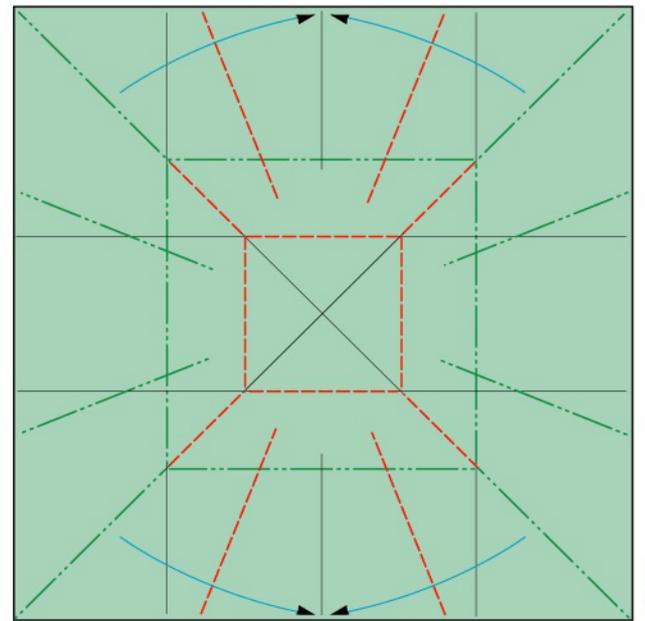
6

2 pieghe a valle



7

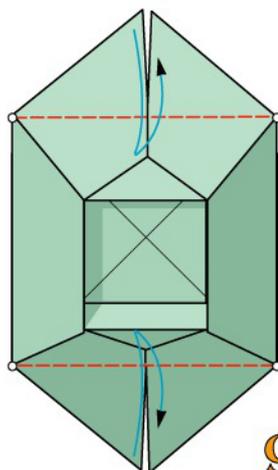
4 pieghe bisettrici a valle



8

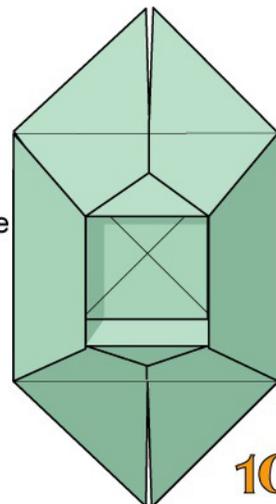
4 pieghe bisettrici a monte ripiegando a valle e a monte

2 pieghe a valle



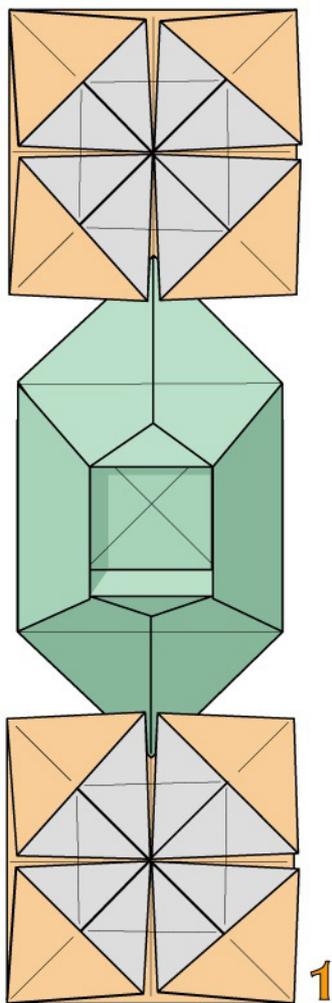
9

Modulo torre
"A" ultimato

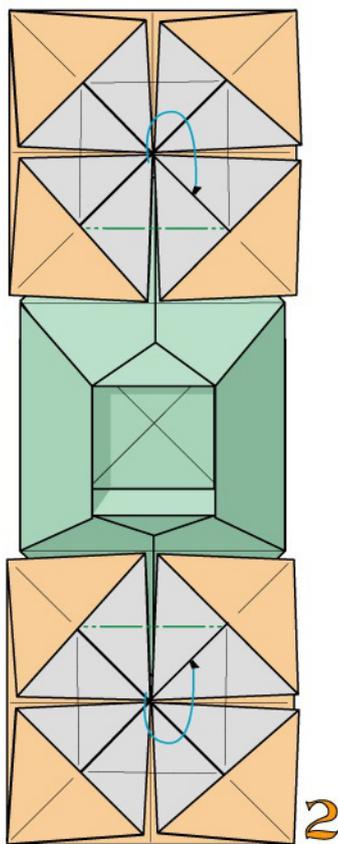


10

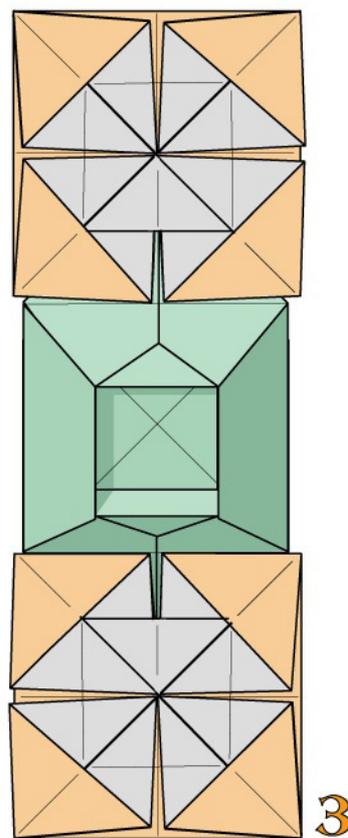
UNIONE DEI MODULI



Inserite il modulo "A" entro
2 moduli di bloccaggio **1**



Mediante 2 pieghe a monte
bloccate l'unione **2**



Unione completata **3**

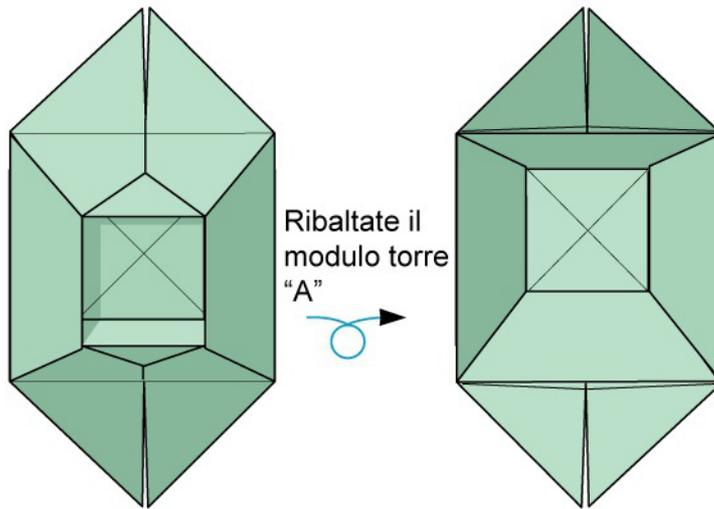
TORRE MODULARE TRAFORATA "A1"

Franco Pavarin 23

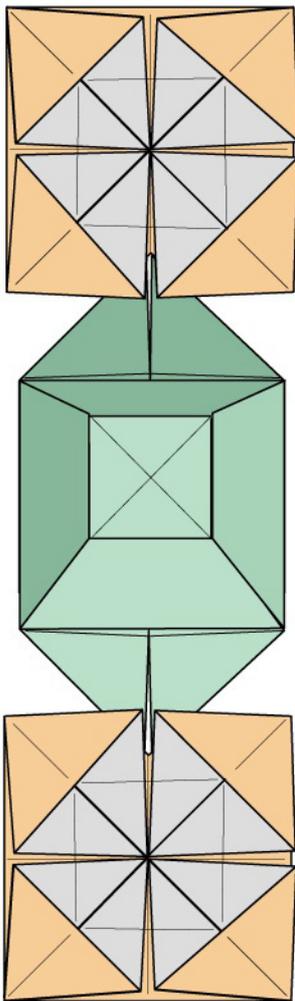
Sono necessari moduli "A" e moduli di bloccaggio, da costruire con fogli quadrati monocolori di carta di medio peso di cm 7,5 x7,5.

Per la costruzione del solido di figura sono stati adoperati 20 moduli "A" ribaltati e 20 moduli di bloccaggio.

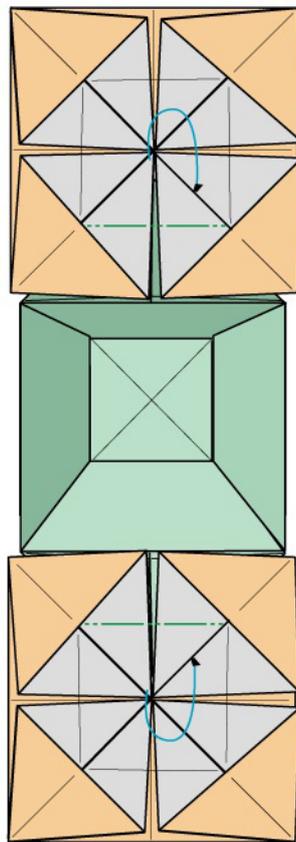




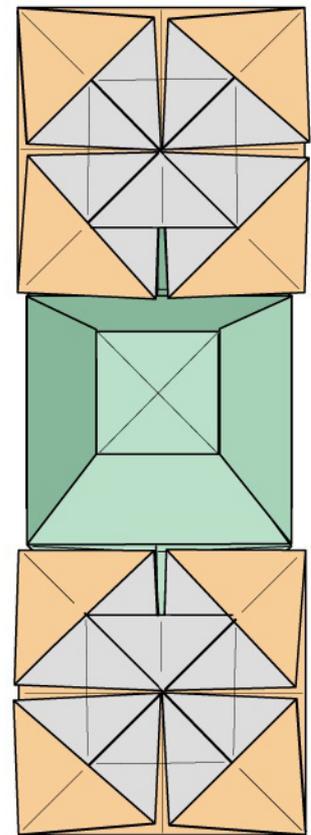
UNIONE DEI MODULI



1 Inserite il modulo "A" entro 2 moduli di bloccaggio



2 Mediante 2 pieghe a monte bloccate l'unione



3 Unione completata

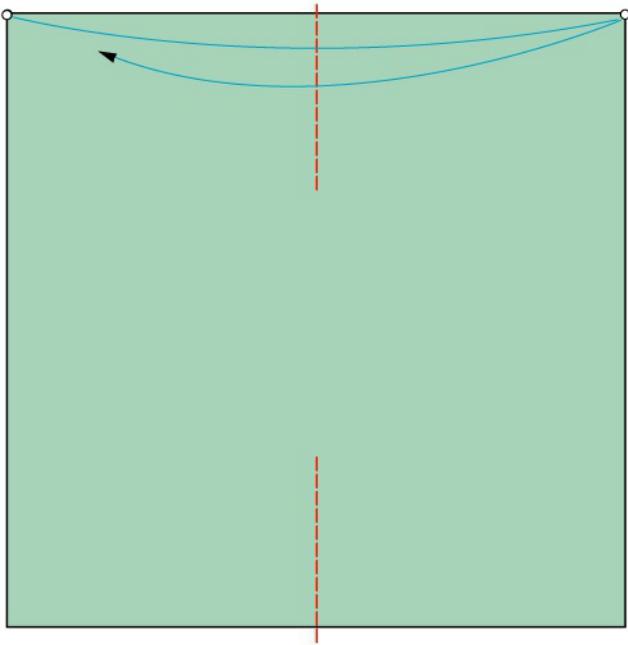
TORRE MODULARE COMPATTA "B"

Franco Pavarin 23

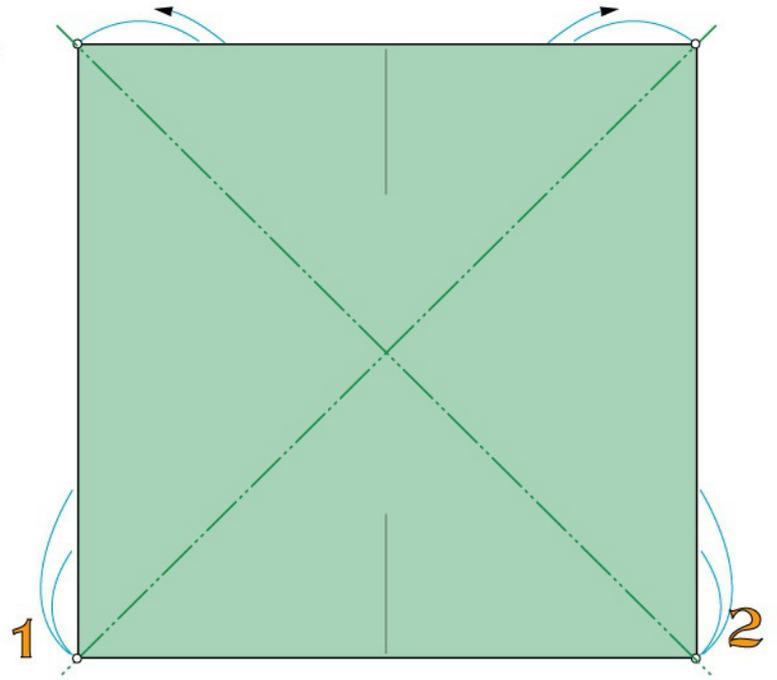
Sono necessari moduli "B" e moduli di bloccaggio, da costruire con fogli quadrati monocolori di carta di medio peso di cm 7,5 x7,5.

Per la costruzione del solido di figura sono stati adoperati 20 moduli "A" e 6 moduli di bloccaggio.

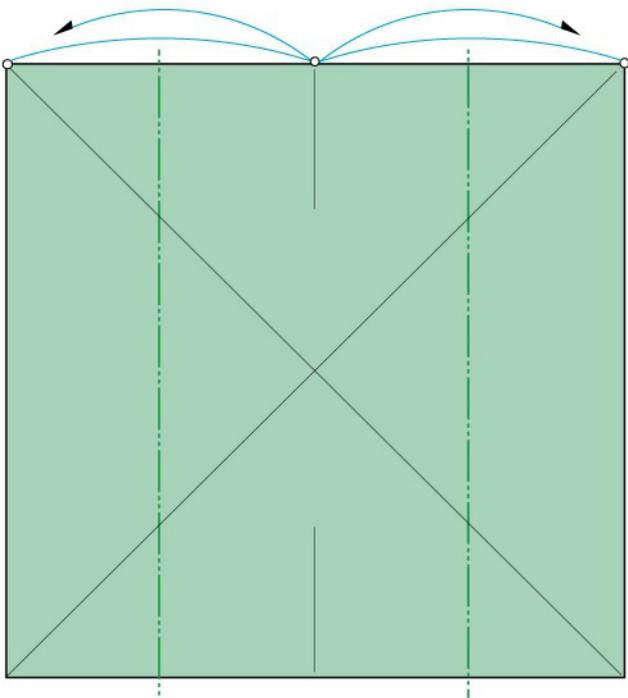




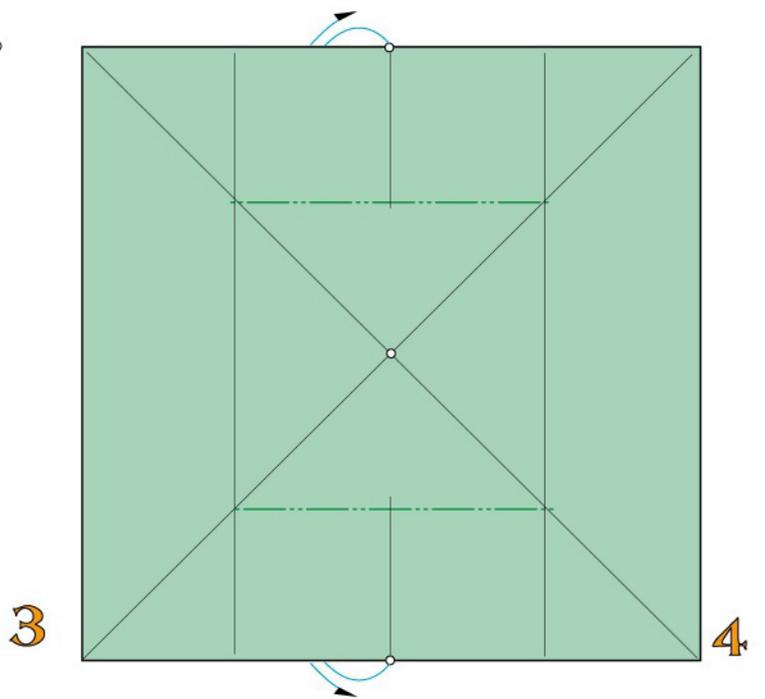
2 pieghe a valle



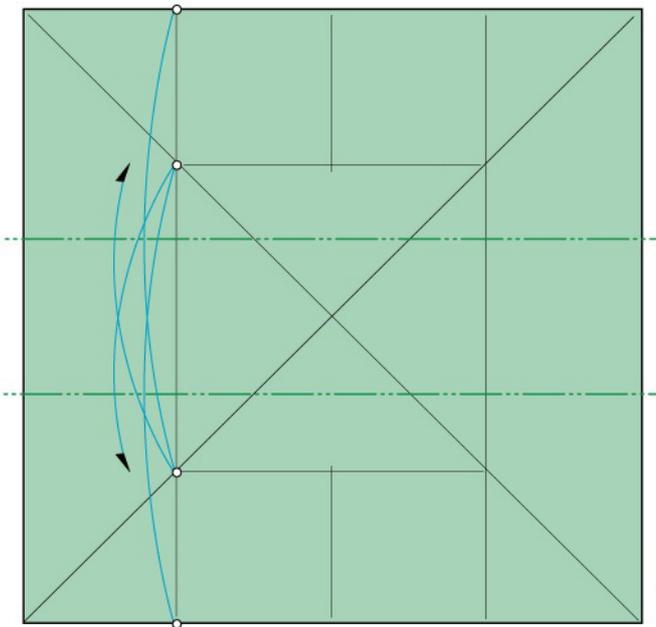
2 pieghe diagonali a monte



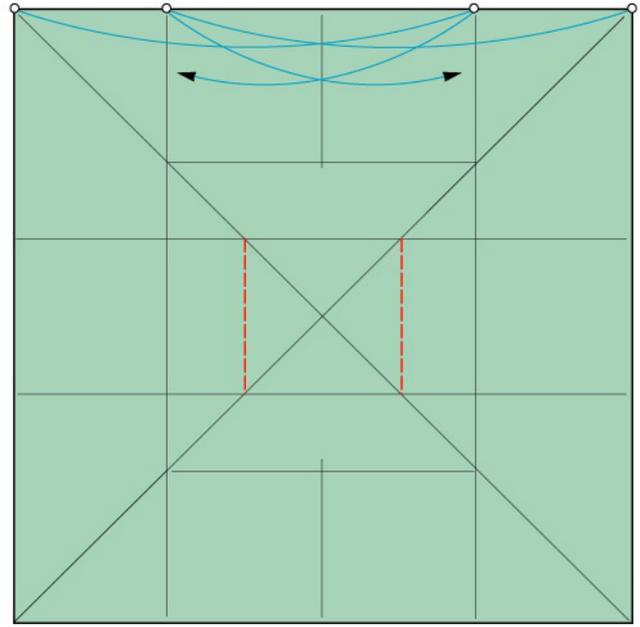
2 pieghe a monte



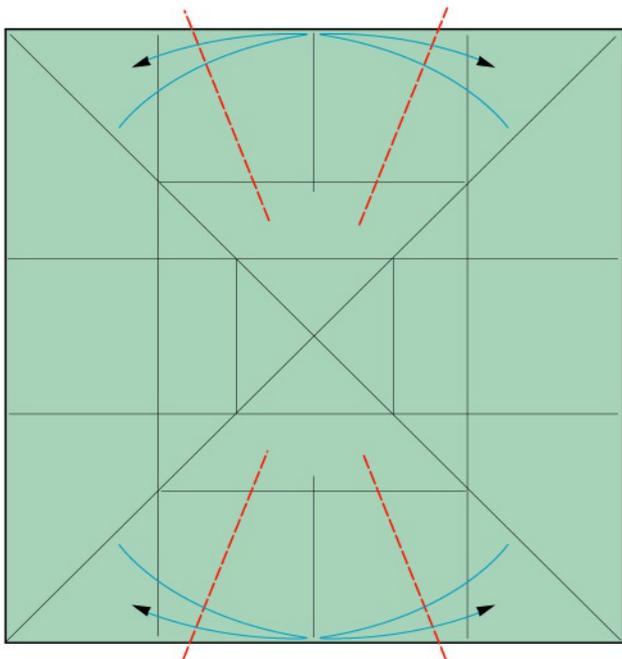
2 pieghe a monte



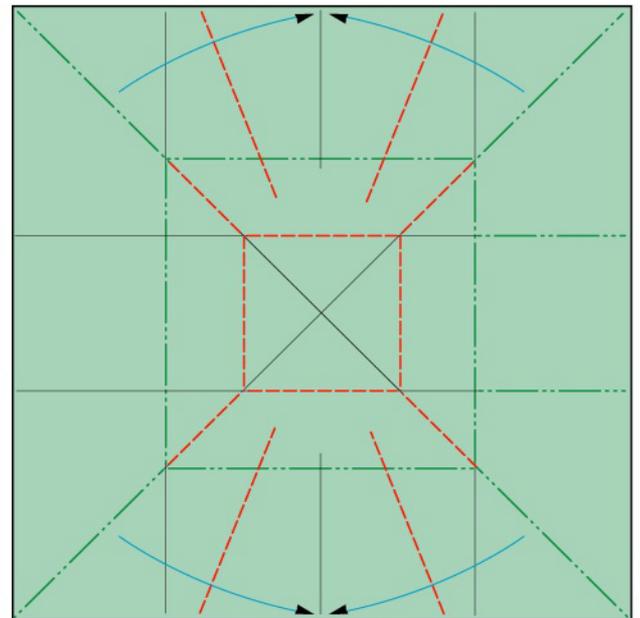
2 pieghe a monte



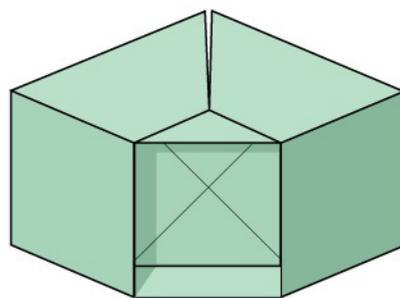
2 pieghe a valle



4 pieghe bisettrici a valle



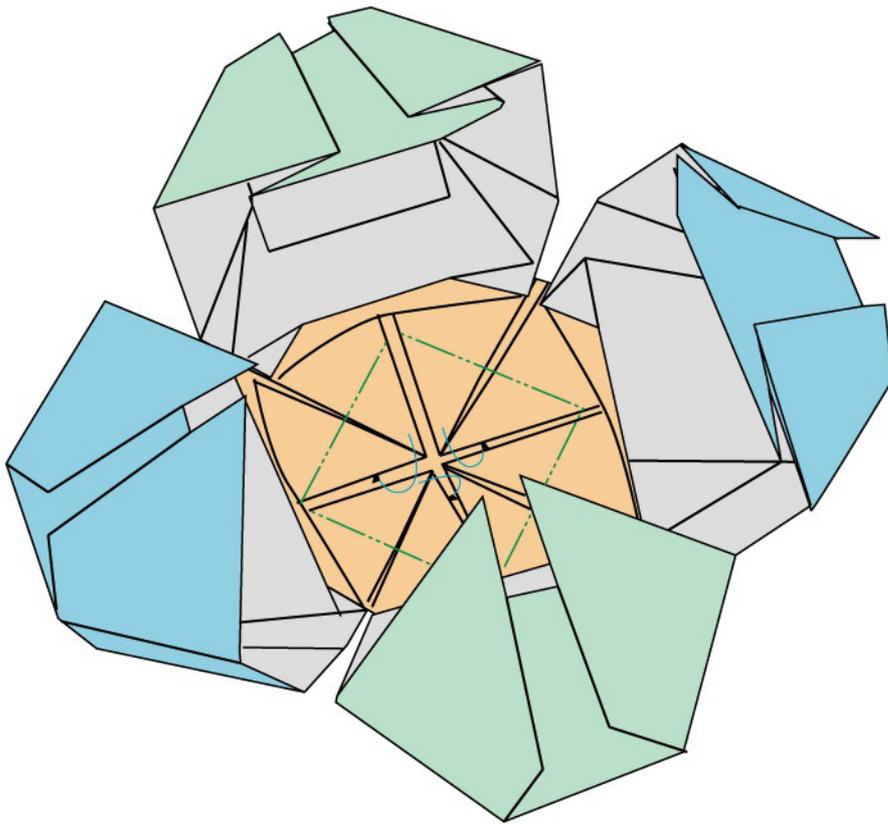
Ripiegate a valle e a monte modellando 3D



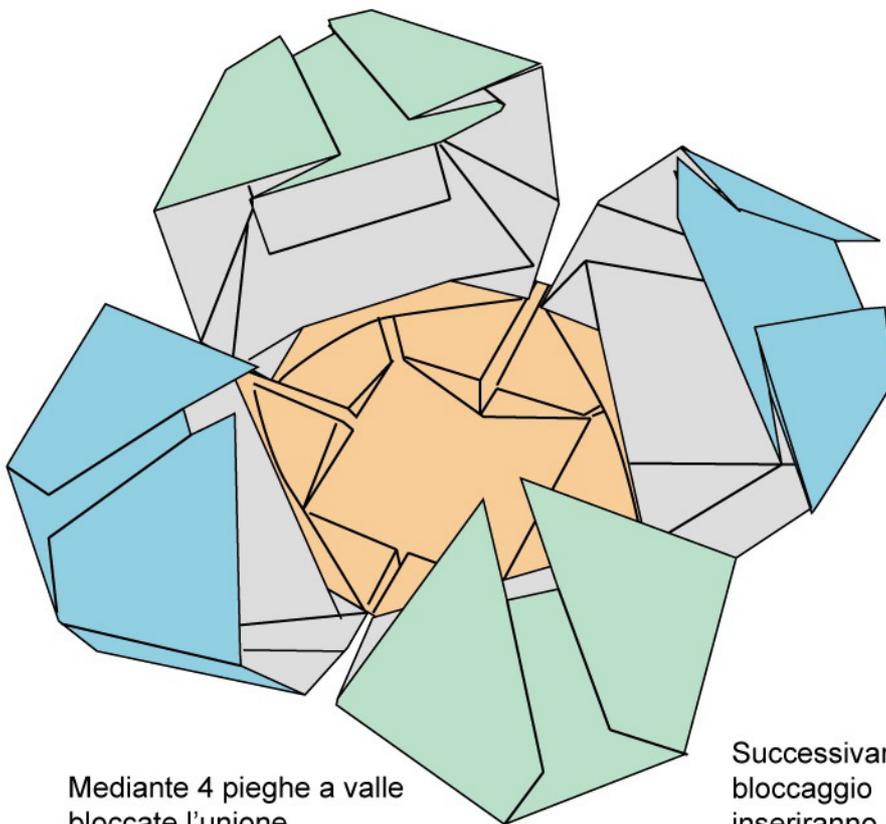
9

Modulo torre "B" ultimato

UNIONE DEI MODULI



Inserite i 4 moduli "B" in un modulo di bloccaggio

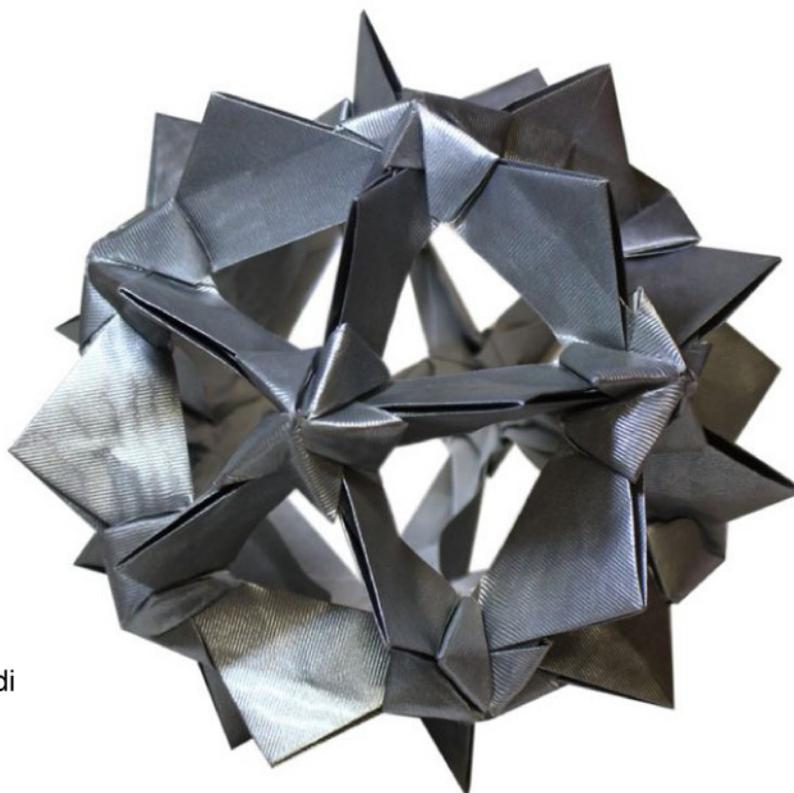


Mediante 4 pieghe a valle bloccate l'unione

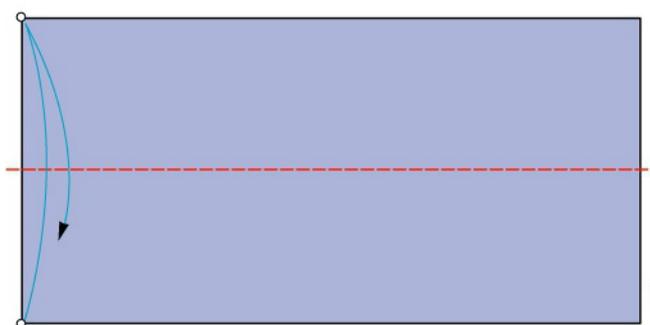
Successivamente nel modulo di bloccaggio superiore si inseriranno 8 moduli "B"

POLIEDRO MODULARE TRAFORATO "A"

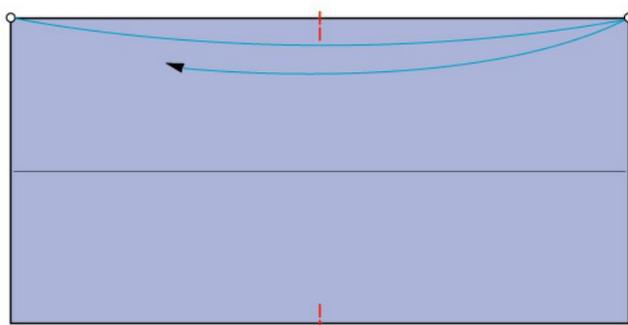
Franco Pavarin 23



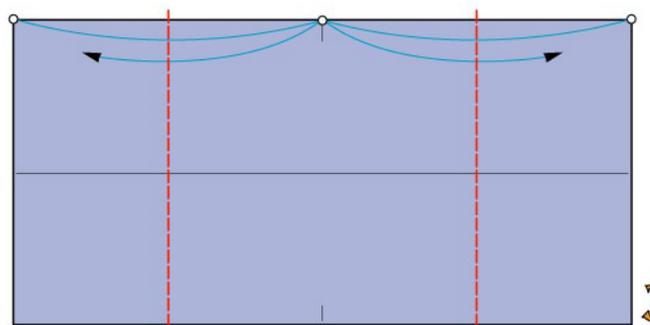
Con questo modulo si possono costruire molti solidi. Quello in fotografia è un icosaedro, cioè un solido regolare con 20 facce a triangolo equilatero. Per la costruzione adoperate 30 fogli rettangolari monocolori di carta di medio peso di almeno cm 12x6



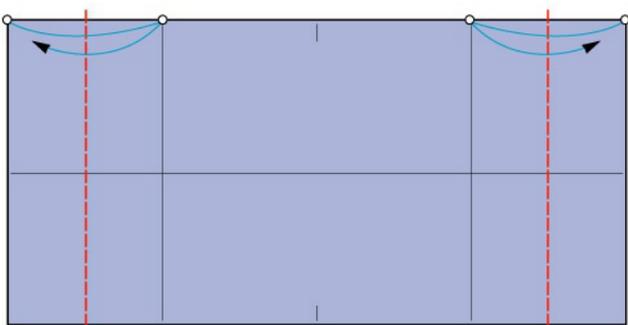
1 piega a valle



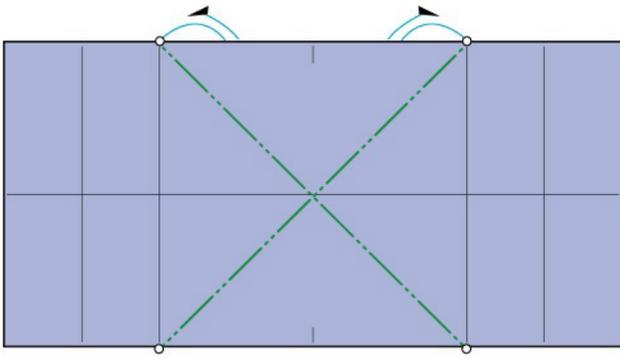
2 piccole pieghe a valle



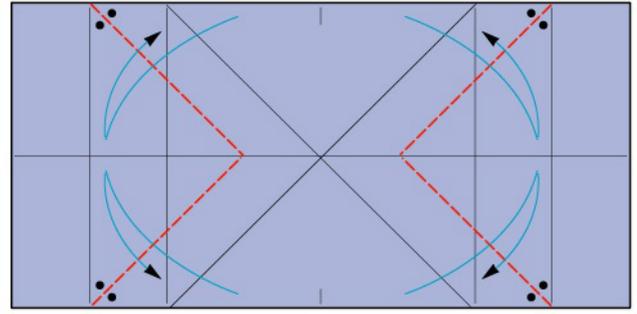
2 pieghe a valle



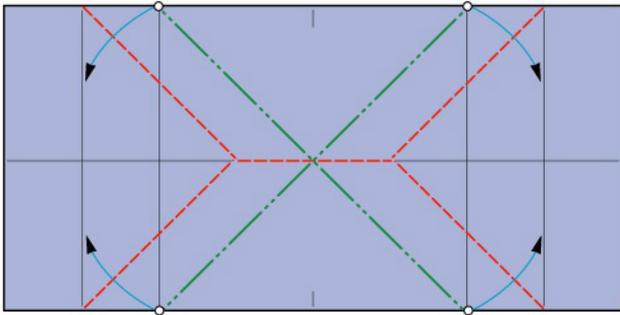
2 pieghe a valle



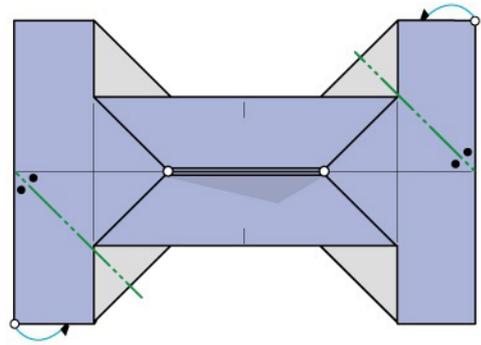
2 pieghe a monte



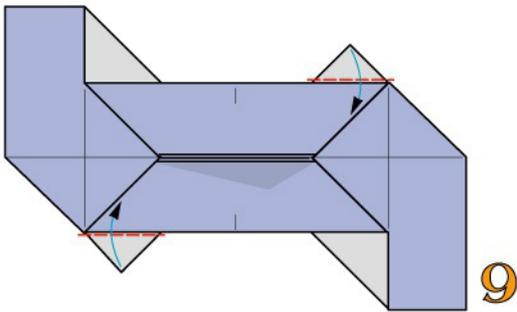
4 pieghe bisettrici a valle



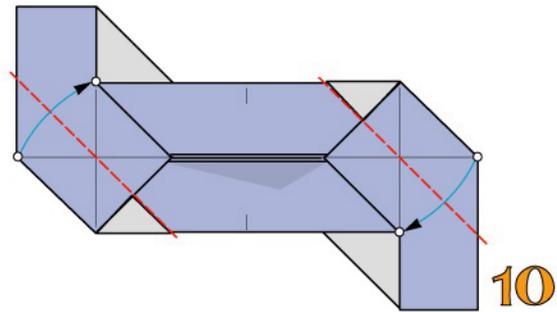
Ripiegate a valle e a monte



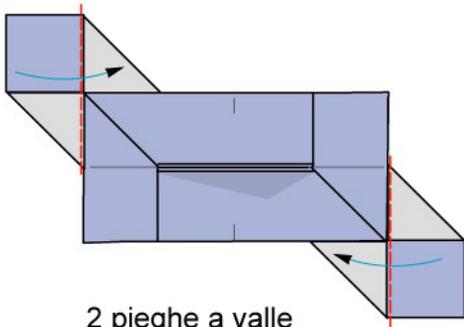
2 pieghe bisettrici a monte



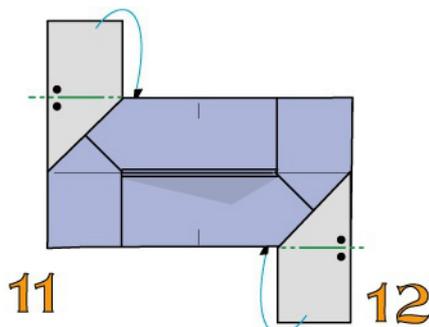
2 pieghe a valle



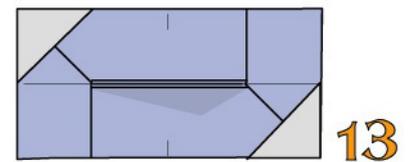
2 pieghe a valle



2 pieghe a valle

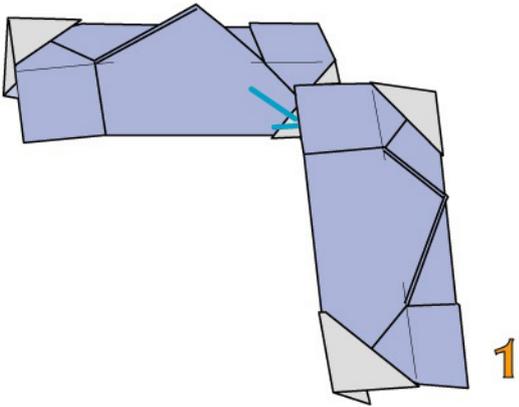


2 pieghe a monte

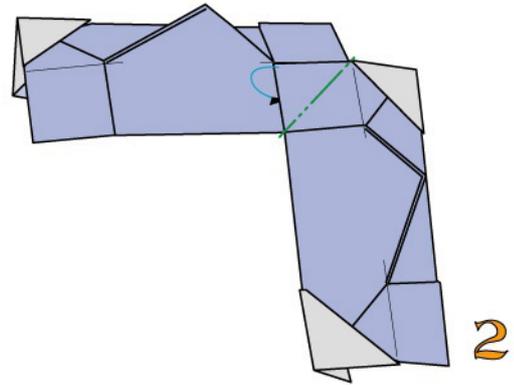


Modulo per poliedri "A" ultimato

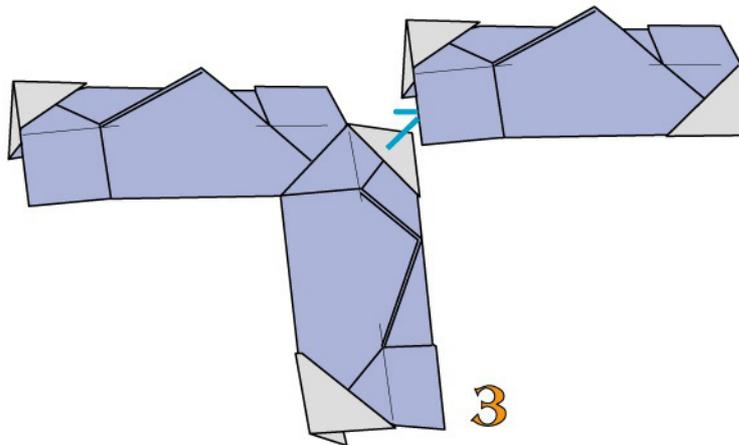
UNIONE DEI MODULI



Intascate un modulo nell'altro



Mediante una piega a monte bloccate l'unione

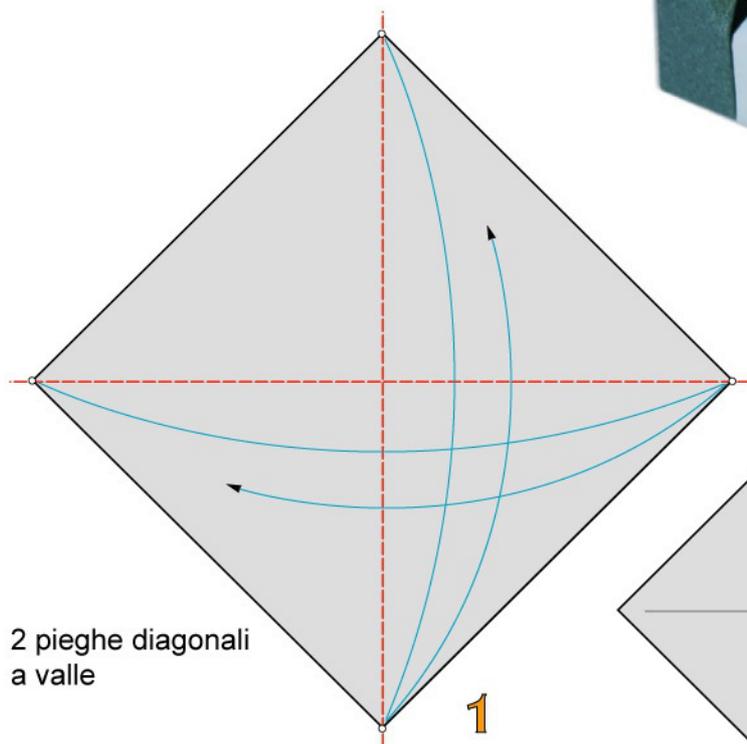
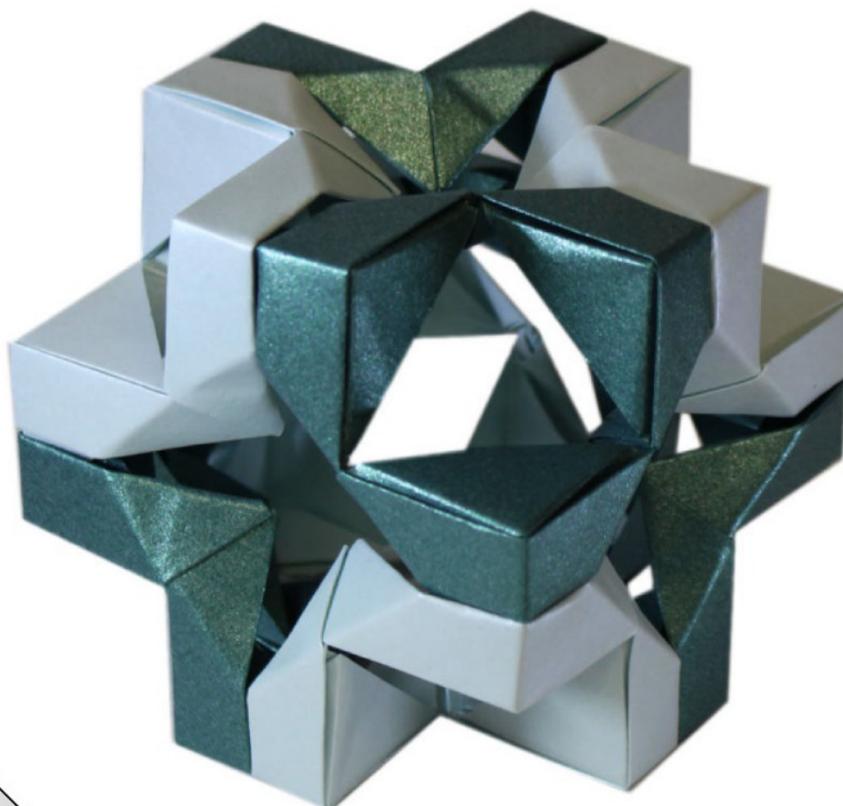


Intascate un altro modulo, che va bloccato nel solito modo.
Per la costruzione di un icosaedro si uniscono 5 moduli alla volta,
per un totale di 30 moduli.

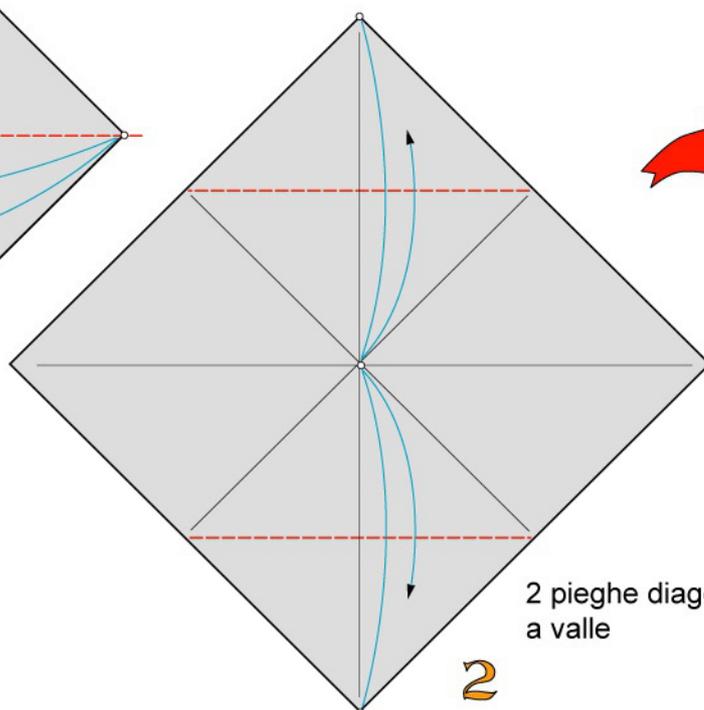
POLIEDRO MODULARE TRAFORATO "B"

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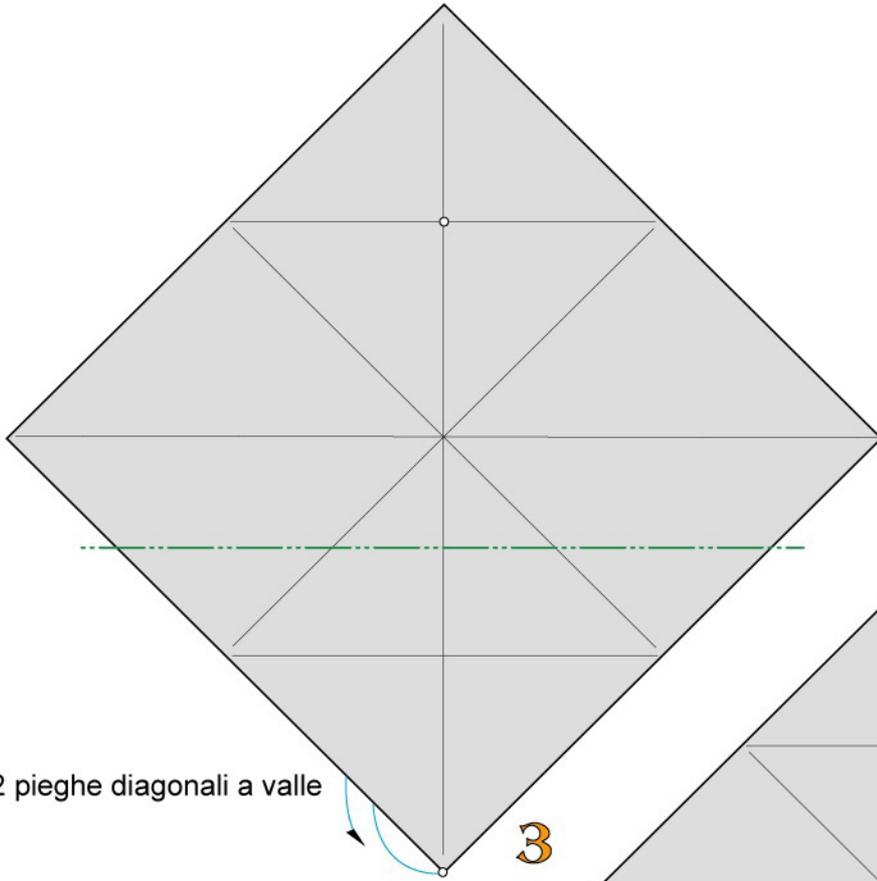
Il poliedro di figura è costruito con 8 moduli composti "B1".
Ogni modulo composto è formato da 3 moduli "B", costruiti con fogli quadrati di carta da 120 gr. delle dimensioni di cm 7,5 di lato



2 pieghe diagonali
a valle

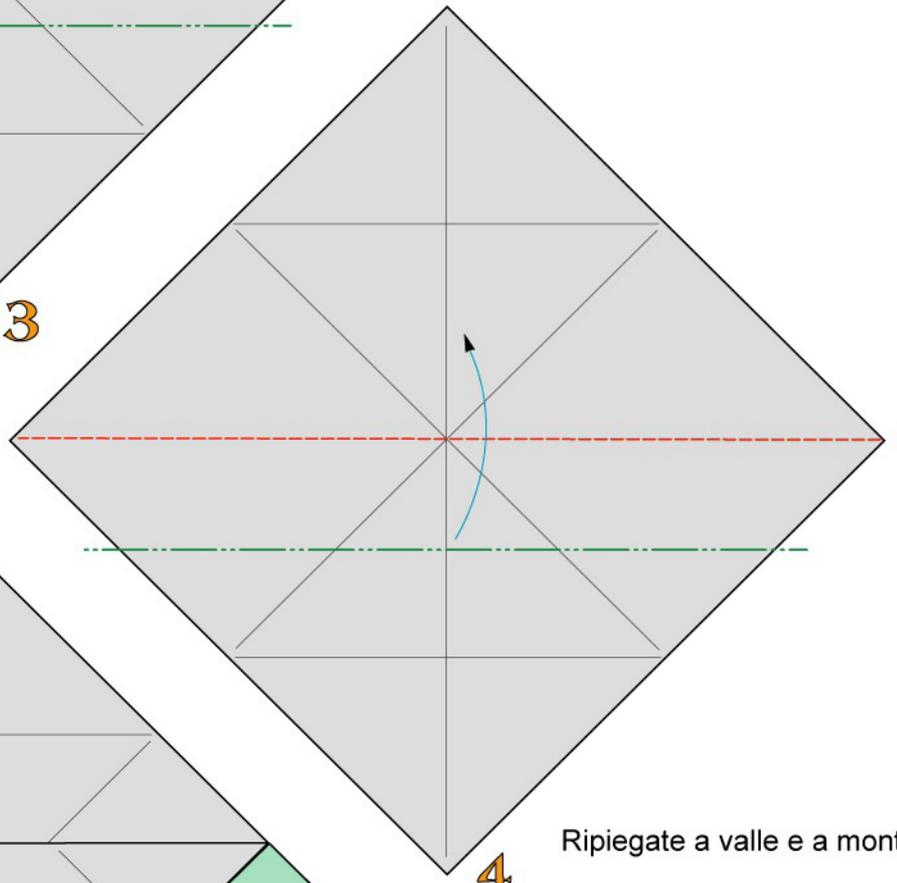


2 pieghe diagonali
a valle



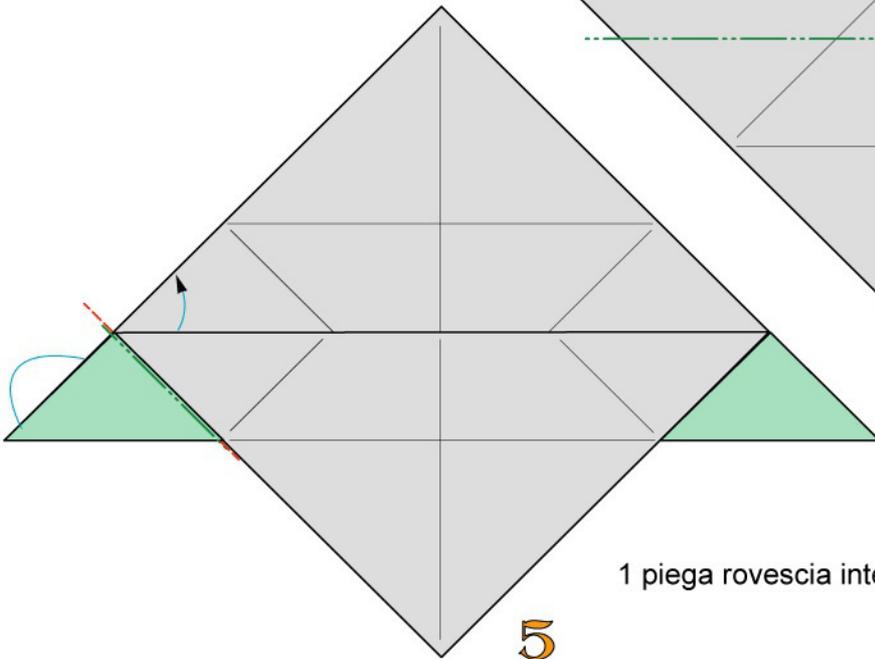
2 pieghe diagonali a valle

3



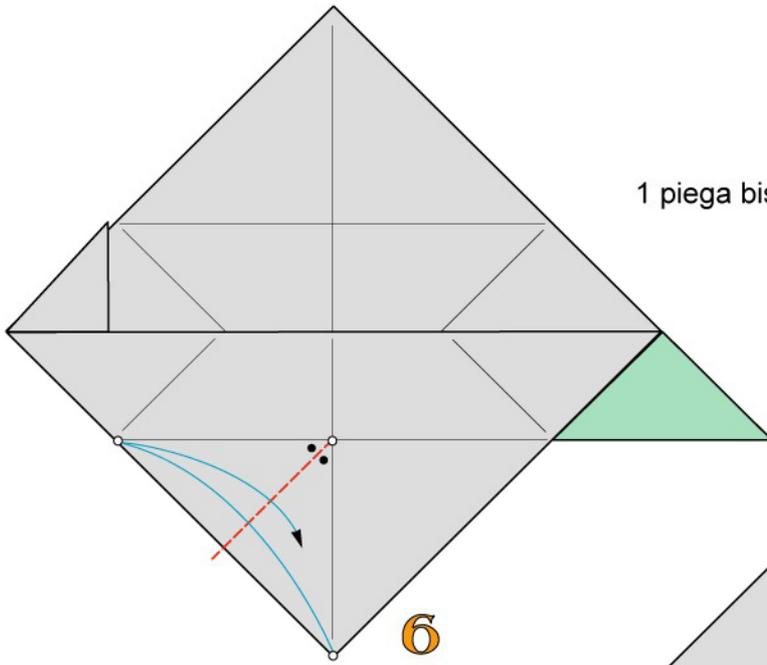
Ripiegate a valle e a monte

4



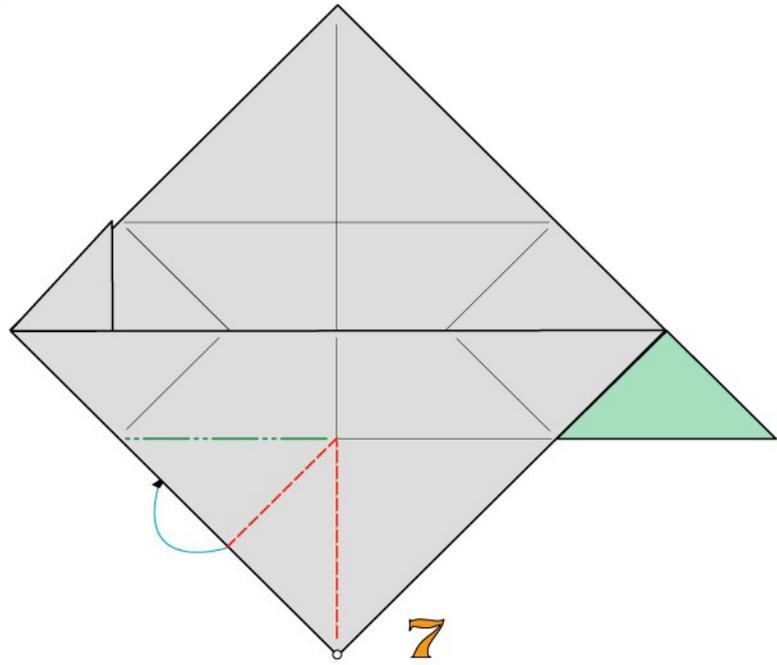
1 piega rovescia interna

5



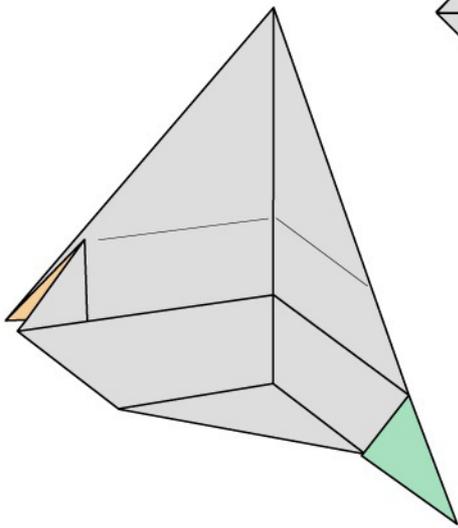
1 piega bisettrice a valle

6



7

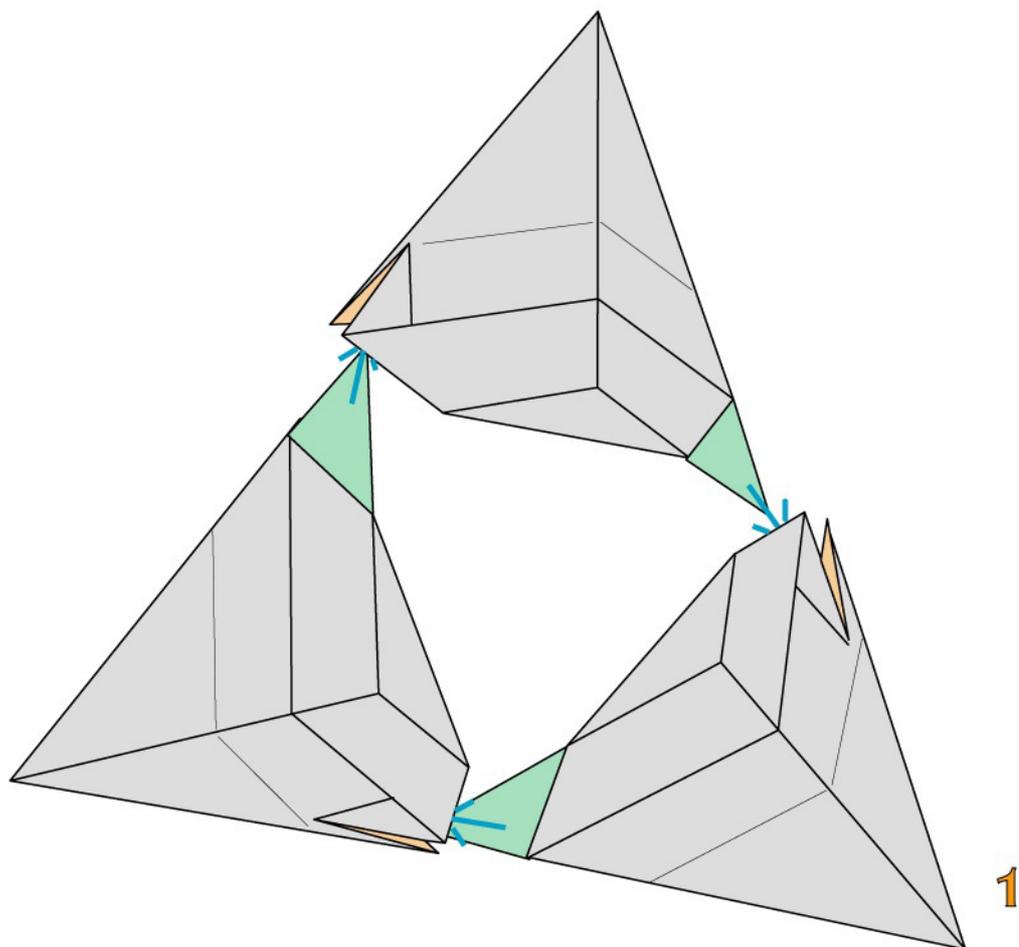
Ripiegando a valle e a monte modellate 3D



8

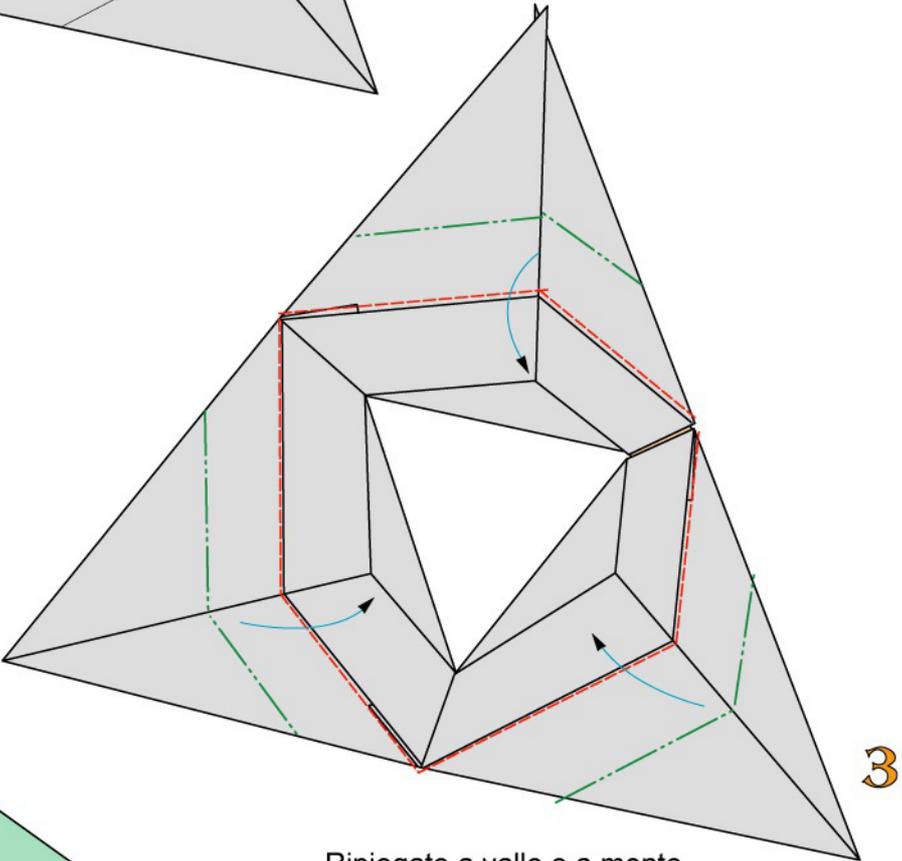
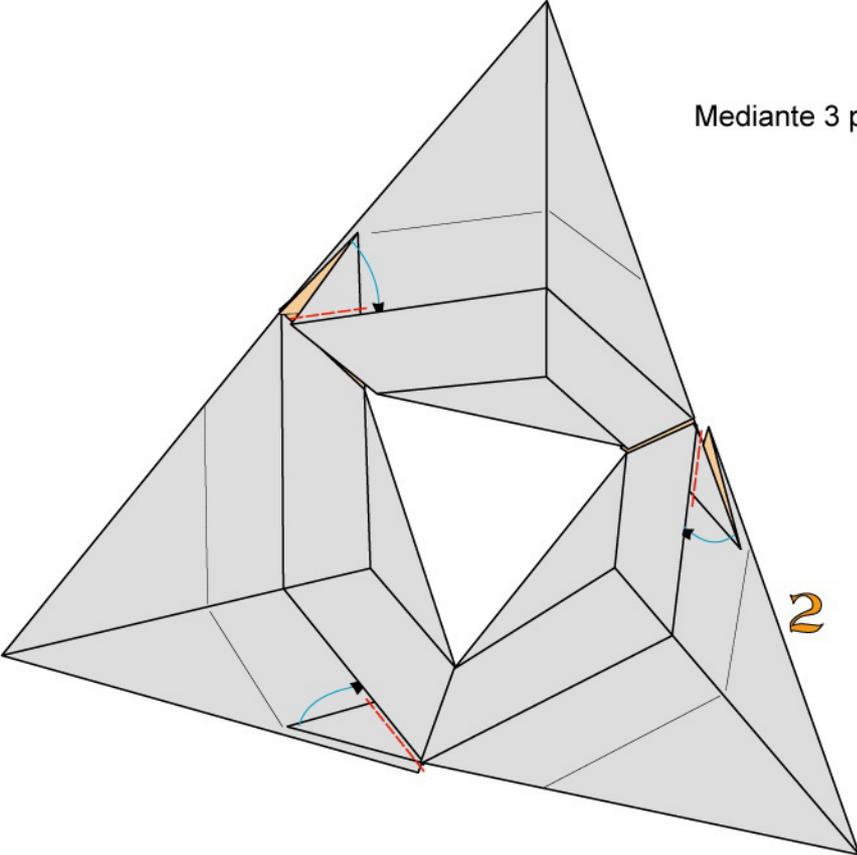
Modulo per poliedri "B" ultimato

UNIONE DI 3 MODULI SEMPLICI "B" PER FORMARE UN MODULO COMPOSTO "B"

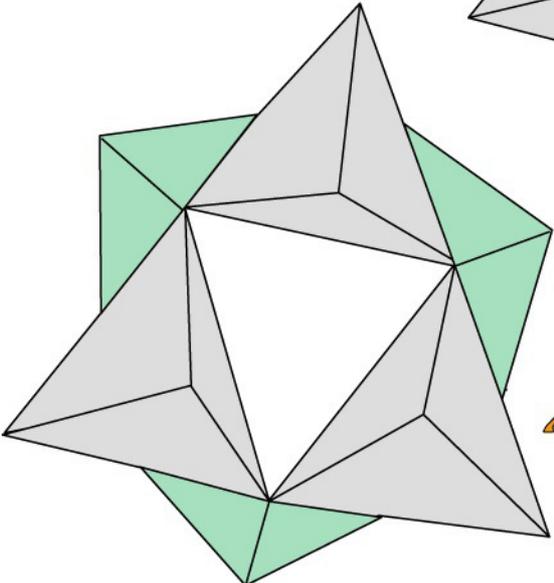


Intascate i moduli in successione

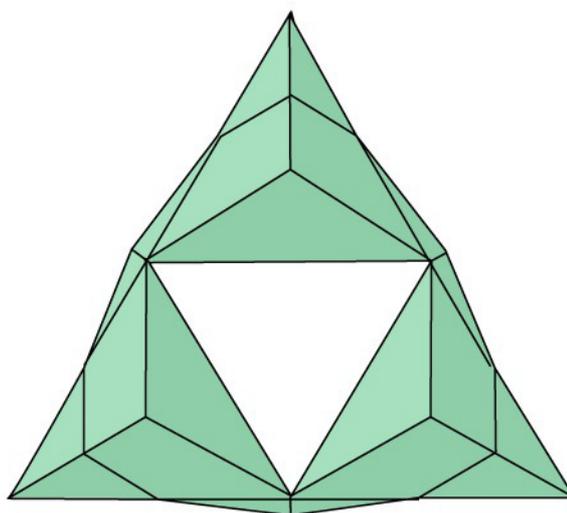
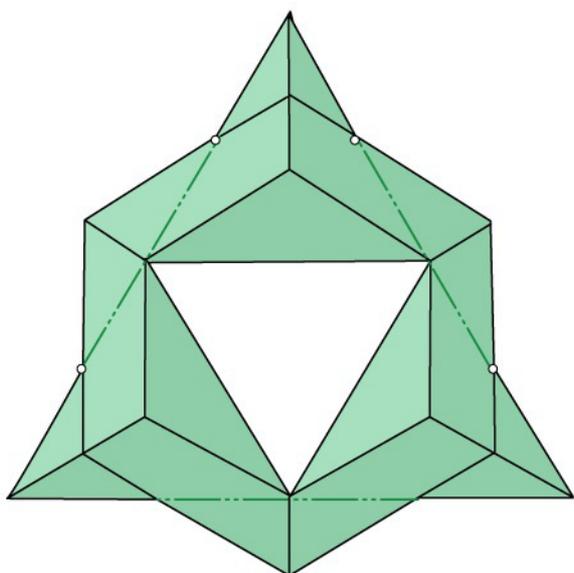
Mediante 3 pieghe a monte bloccate l'unione



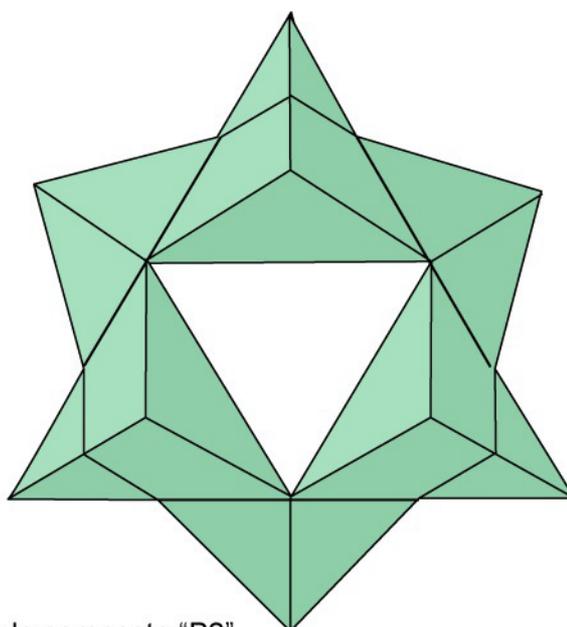
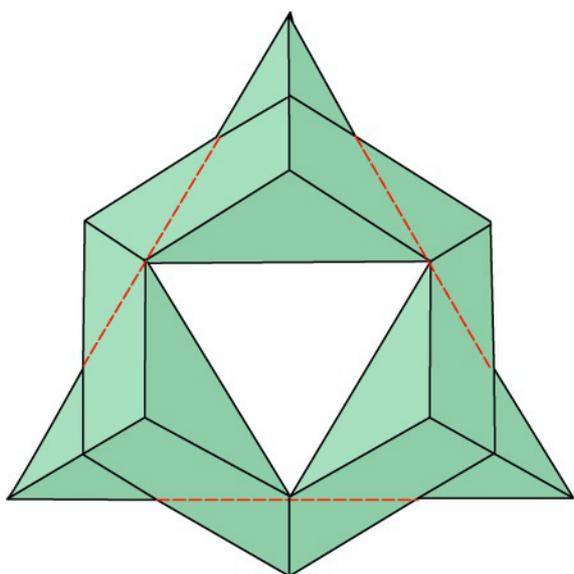
Ripiegate a valle e a monte



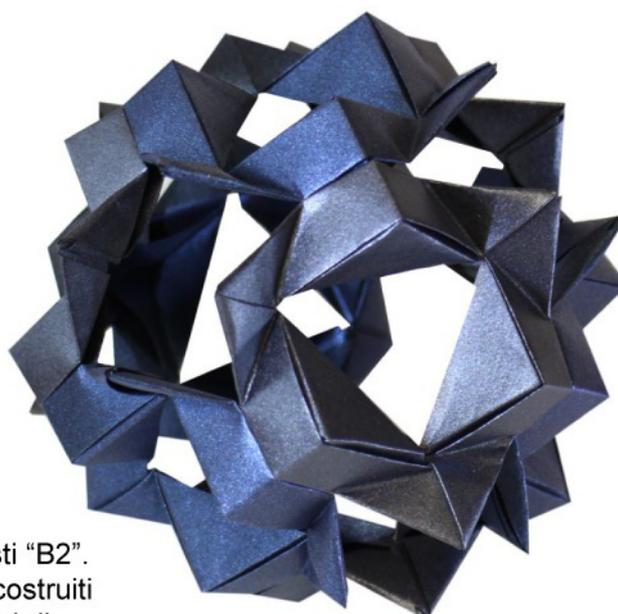
Modulo composto "B" ultimato. Ribaltate



3 pieghe a monte per realizzare il modulo composto "B1"



3 pieghe a valle per realizzare il modulo composto "B2"



Il poliedro di figura è costruito con 8 moduli composti "B2".
 Ogni modulo composto è formato da 3 moduli "B", costruiti
 con fogli quadrati di carta da 120 gr. delle dimensioni di
 cm 7,5 di lato

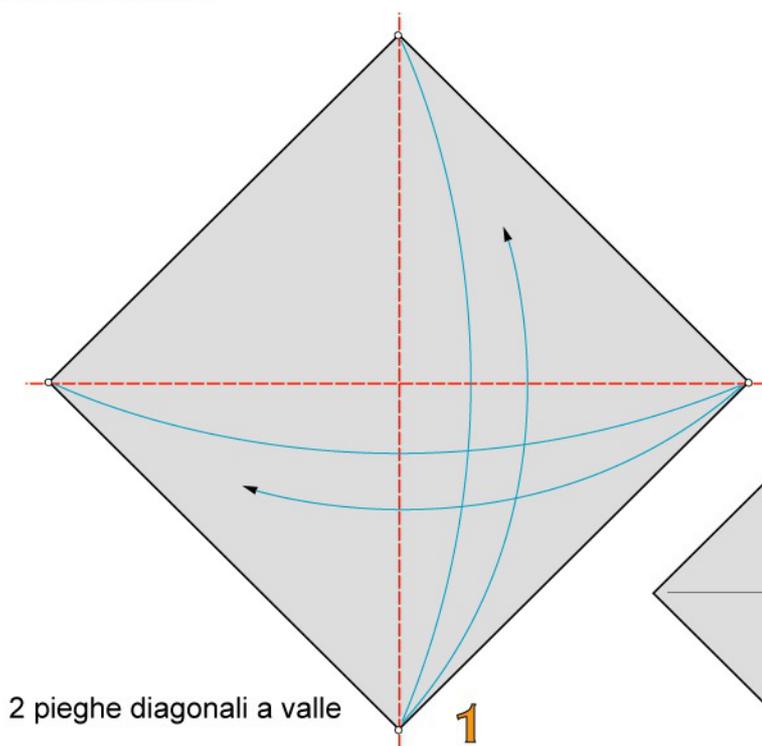
POLIEDRO MODULARE TRAFORATO "C"

Franco Pavarin 23

Semplice la costruzione dei moduli,
complesso il montaggio.

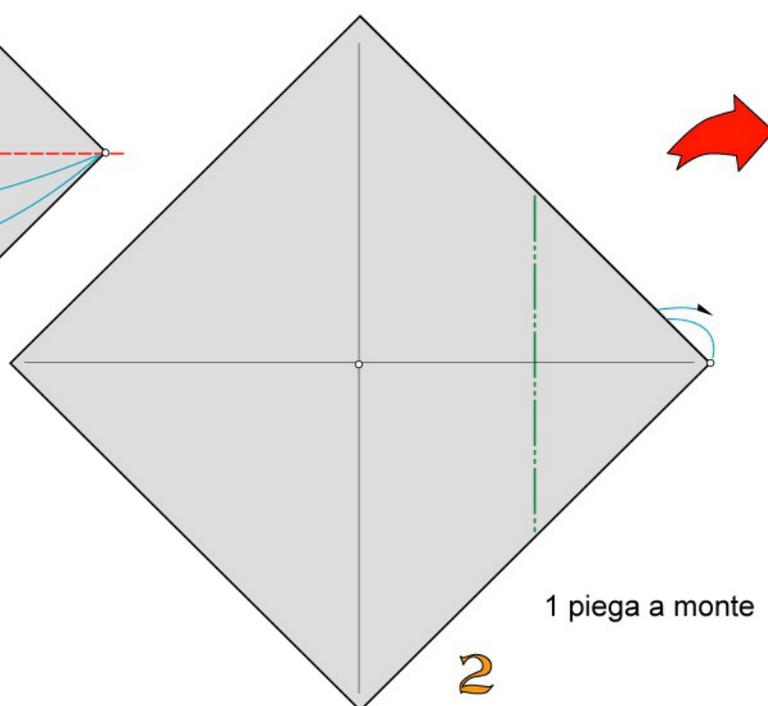
Il poliedro di figura è costruito con moduli composti "C".
Ogni modulo composto è formato da 6 moduli semplici "C",
costruiti con fogli quadrati di carta monocolora da 120 gr.
delle dimensioni di cm 7,5 di lato, per un totale di 60 fogli

The polyhedron in the figure is constructed with composite
"C" modules. Each composite module is made up of 6
simple "C" modules, constructed with square sheets of 120
single-color paper measuring 7,5 cm on each side, for a
total of 60 sheets



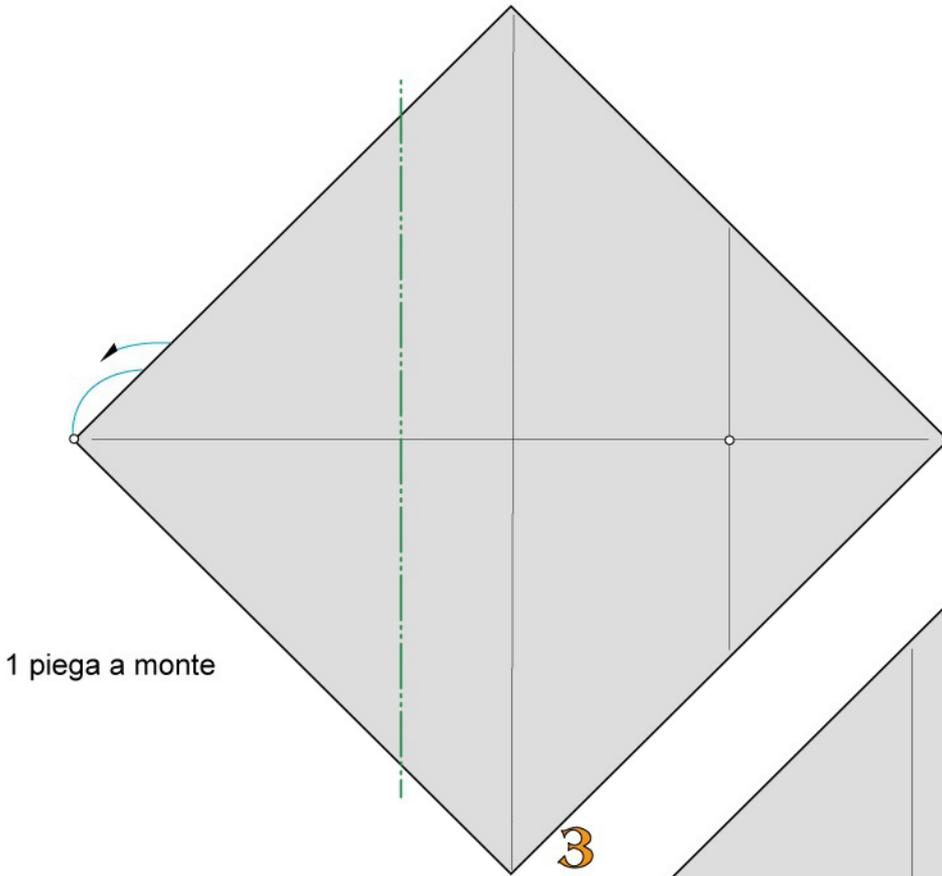
2 pieghe diagonali a valle

1

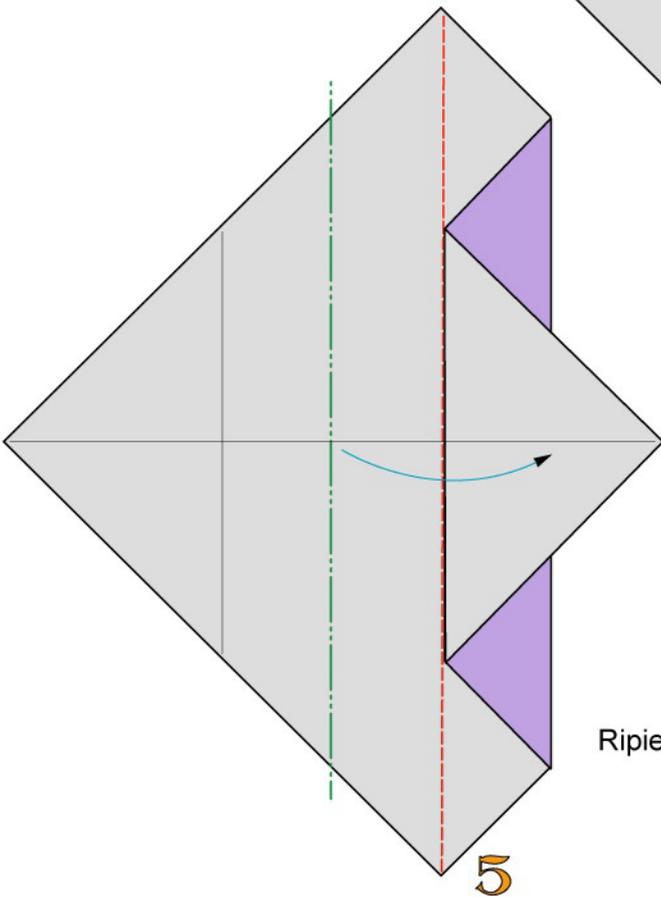
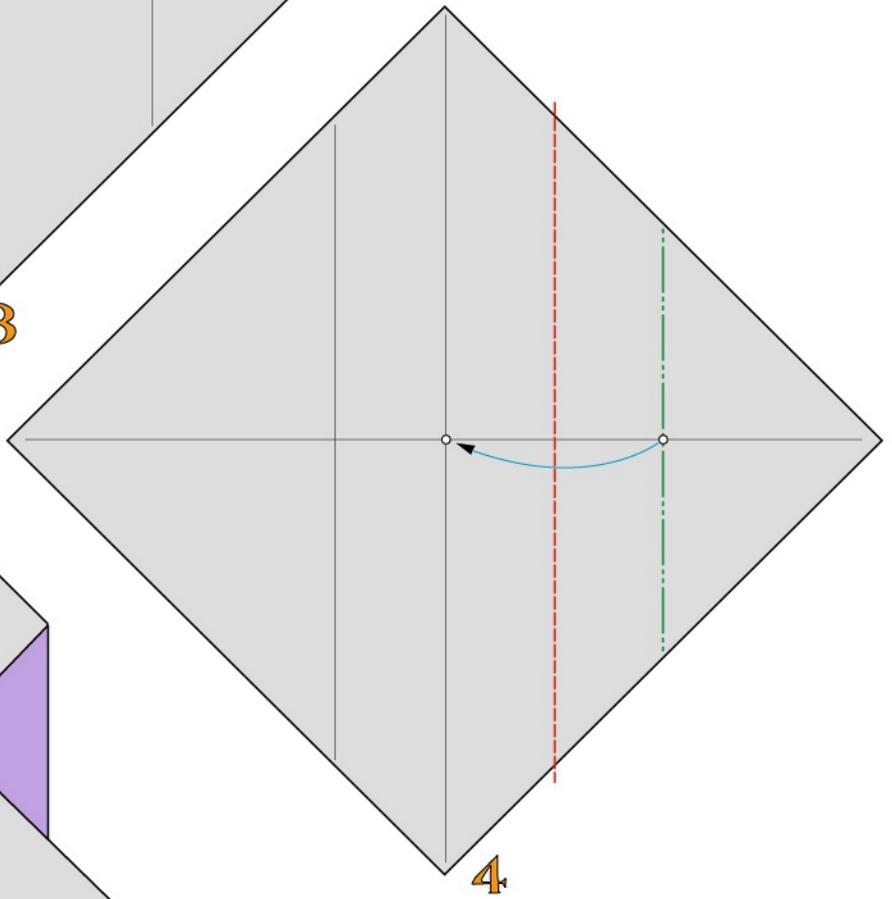


1 piega a monte

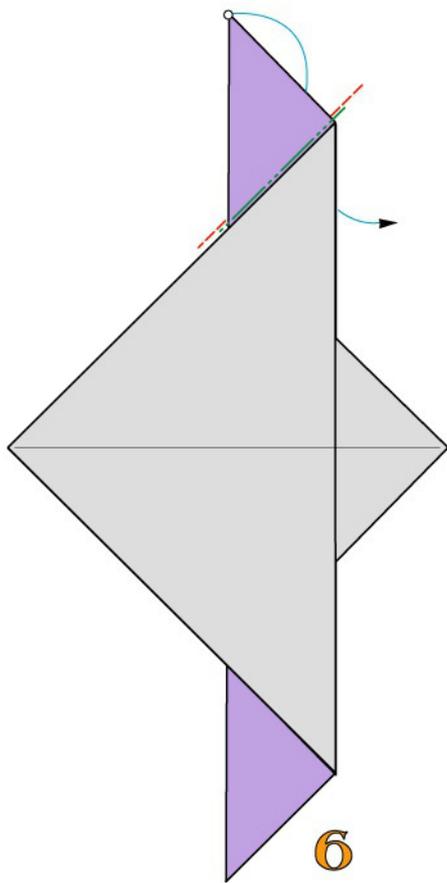
2



1 piega a valle e ripiegate a monte

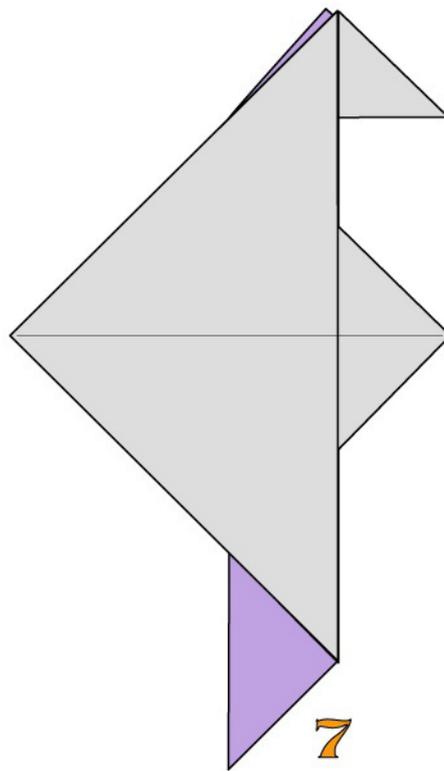


Ripiegate a valle e a monte



6

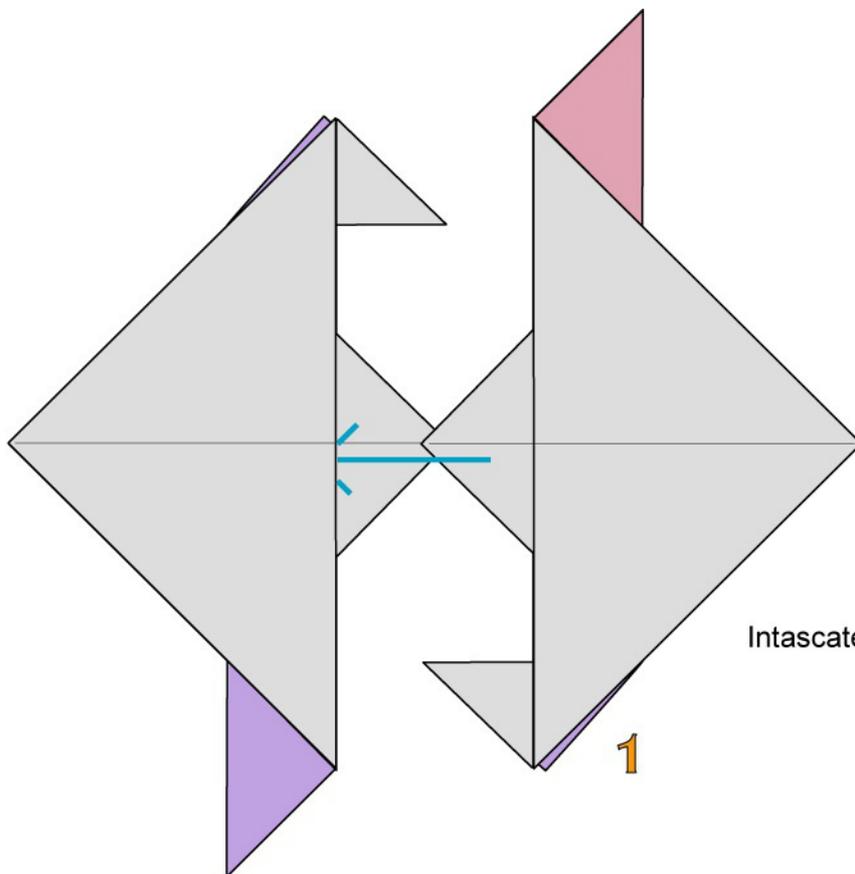
1 piega rovescia interna



7

Modulo semplice "C" ultimato

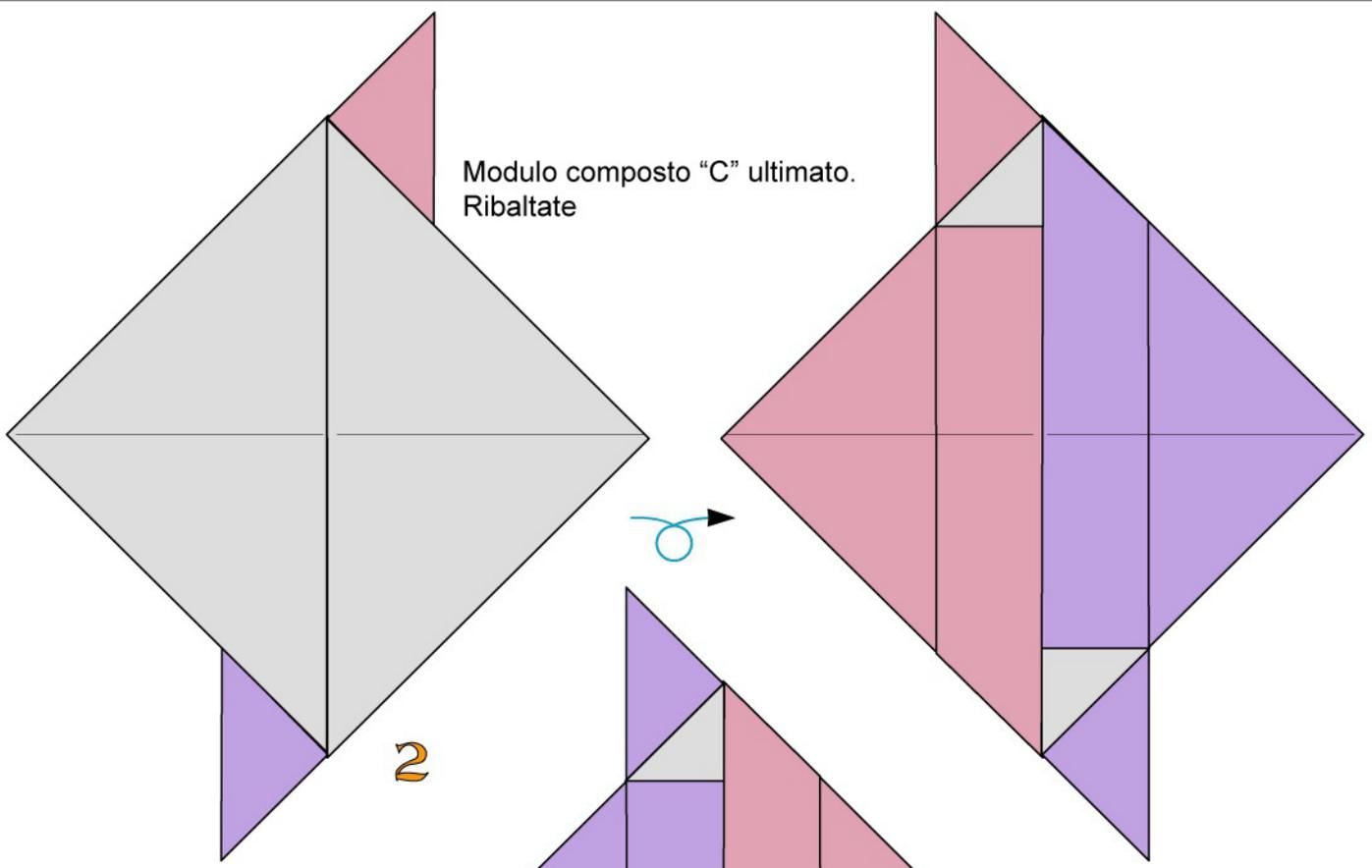
UNIONE DI 2 MODULI SEMPLICI "C"



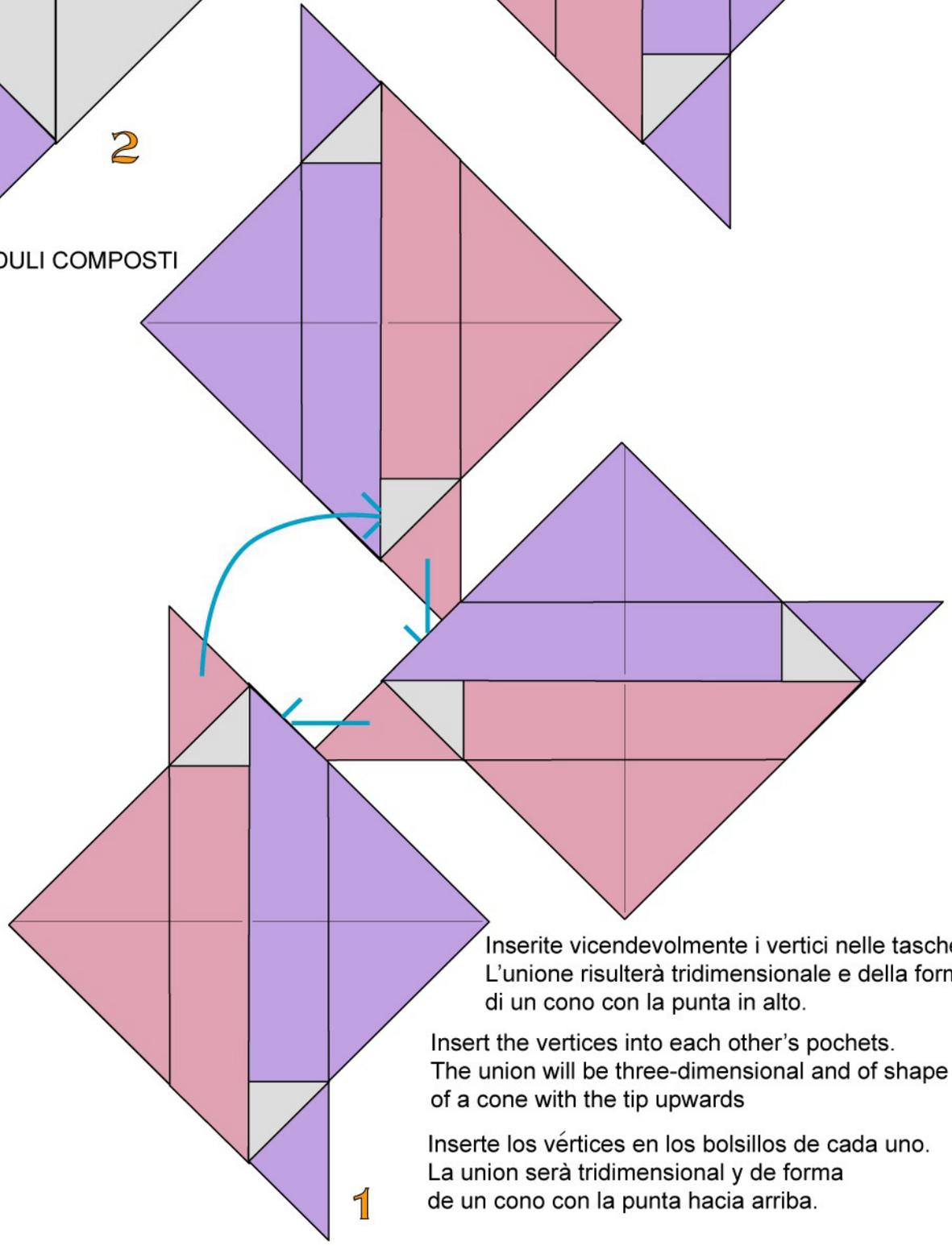
Intascate 1 modulo nell'altro

1

Modulo composto "C" ultimato.
Ribaltate



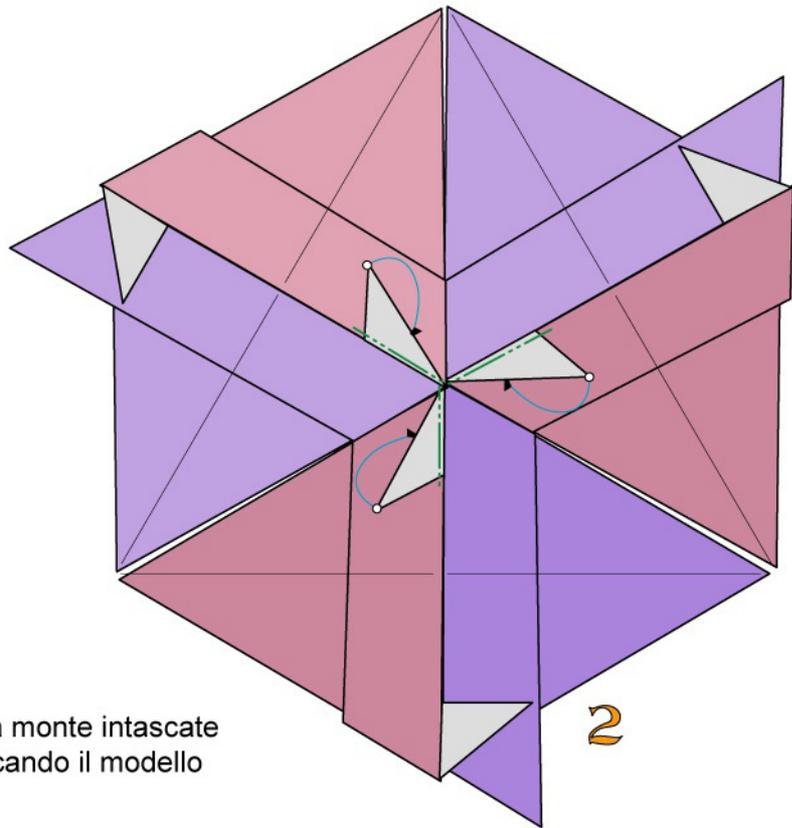
UNIONE DI 3 MODULI COMPOSTI



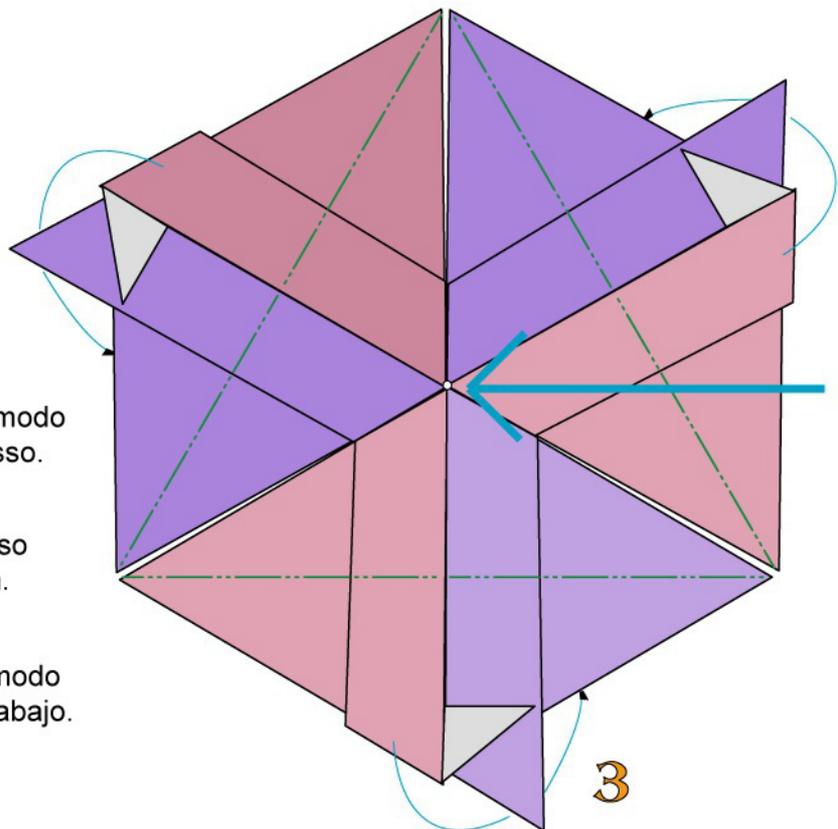
Inserite vicendevolmente i vertici nelle tasche.
L'unione risulterà tridimensionale e della forma
di un cono con la punta in alto.

Insert the vertices into each other's pockets.
The union will be three-dimensional and of shape
of a cone with the tip upwards

Inserte los vértices en los bolsillos de cada uno.
La union será tridimensional y de forma
de un cono con la punta hacia arriba.



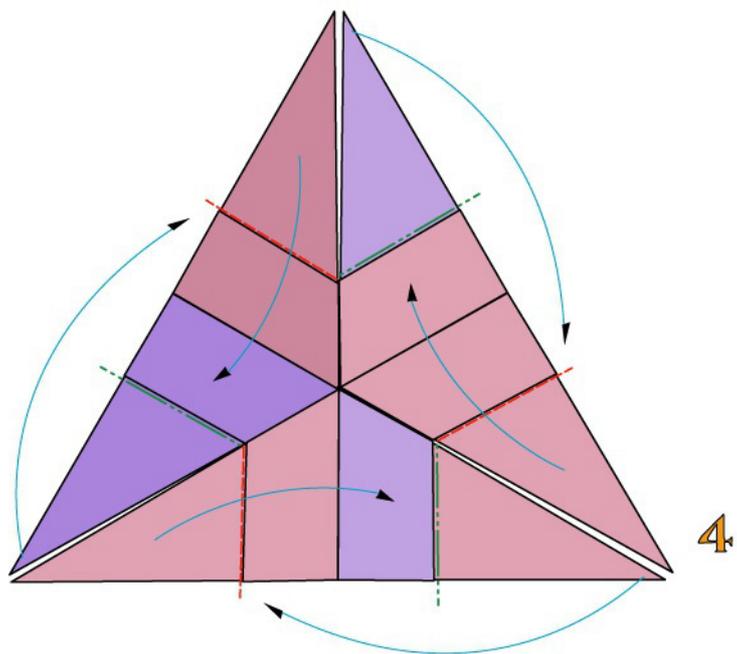
Mediante 4 pieghe a monte intascate
i vertici indicati bloccando il modello



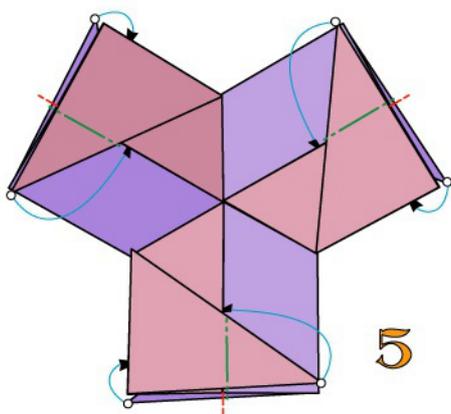
Comprimete il centro del cono in modo
che il vertice vada a finire in basso.
Ripiegate 3 volte a monte.

Compress the center of the cone so
that the top ends up at the bottom.
Fold 3 times upstream.

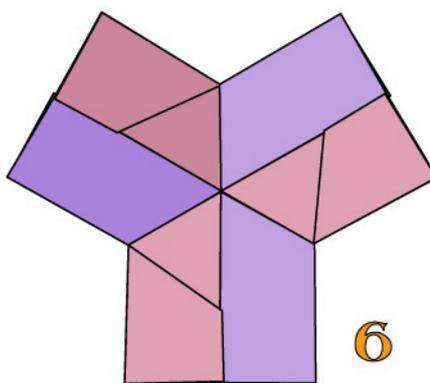
Comprime el centro del cono de modo
que lo de arriba termine en lo de abajo.
Doblar 3 veces hacia arriba.



3 pieghe a valle e 3 a monte



Intascate superiormente e inferiormente

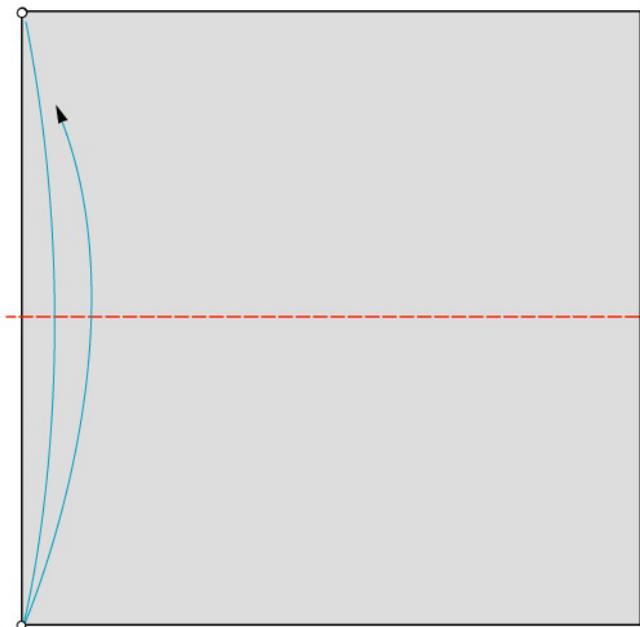
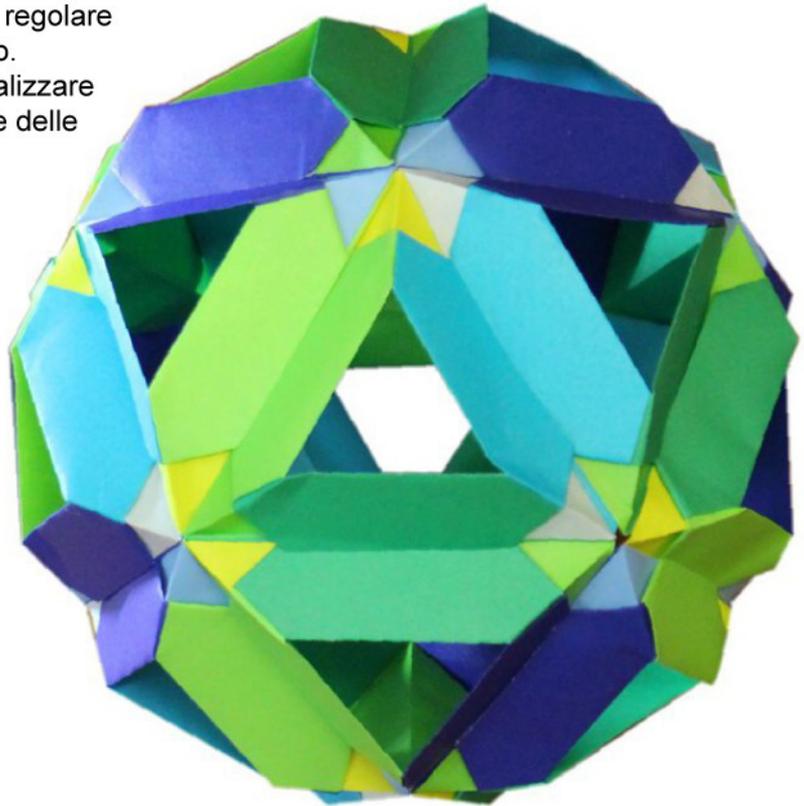


6 moduli semplici uniti.
Procedete nello stesso modo per i rimanenti.

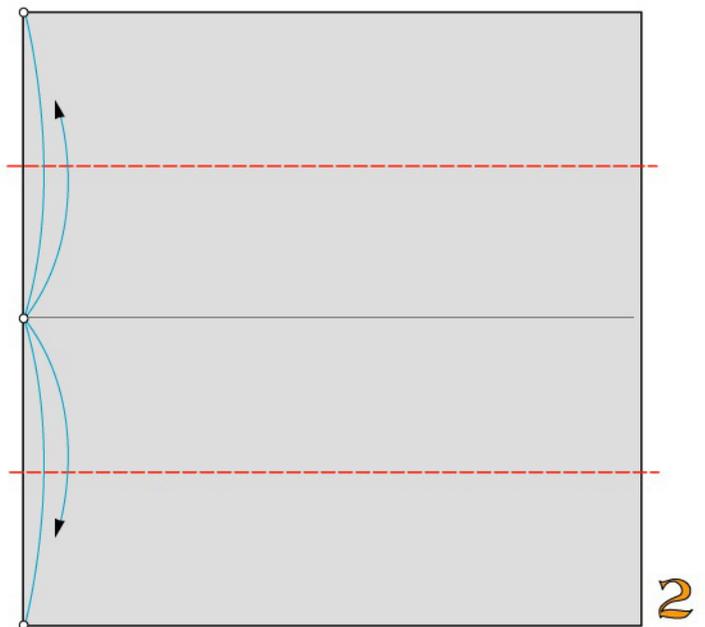
POLIEDRO MODULARE TRAFORATO "D"

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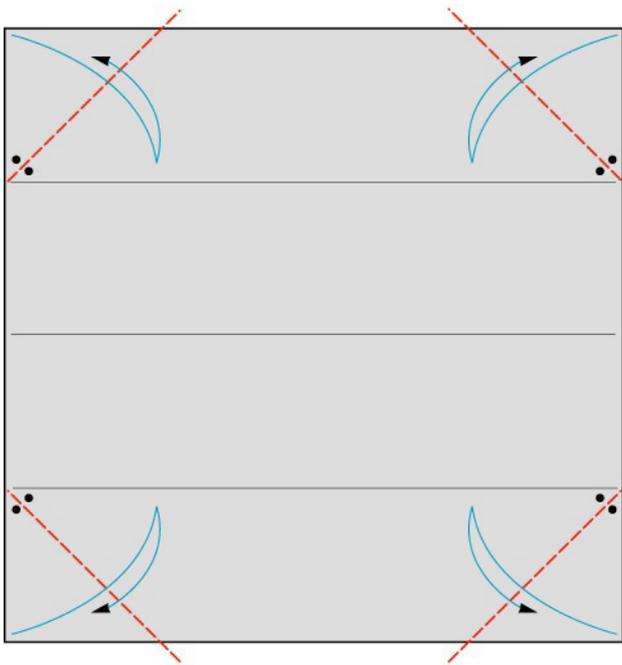
Si tratta di un icosaedro, poligono regolare con 20 facce a triangolo equilatero.
Si costruisce con 30 moduli da realizzare con carta bicolore di medio peso e delle dimensioni di cm 7,5x7,5.



1 piega a valle

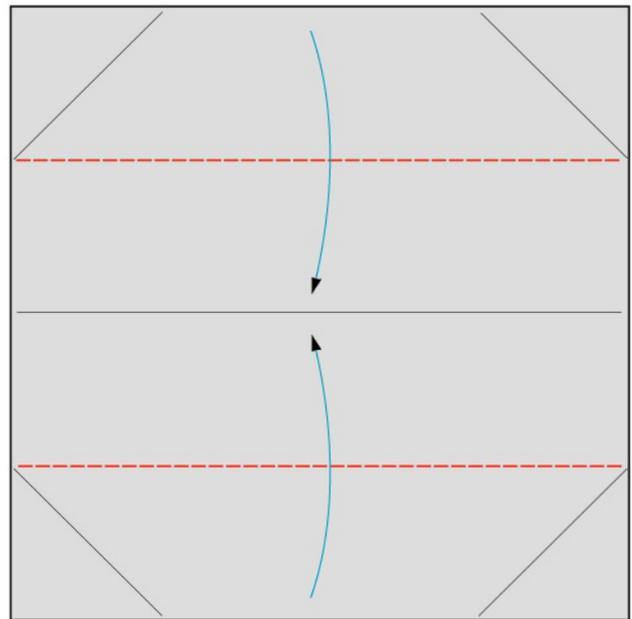


2 pieghe a valle



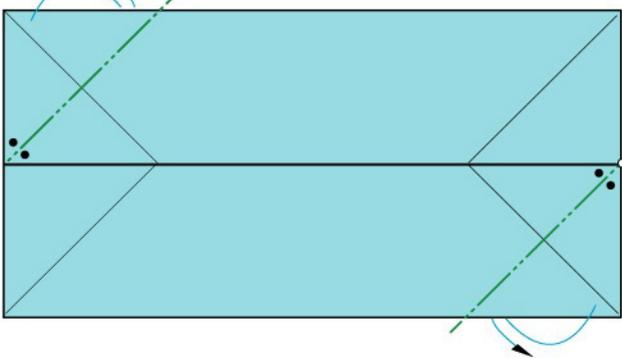
3

4 pieghe bisettrici a valle



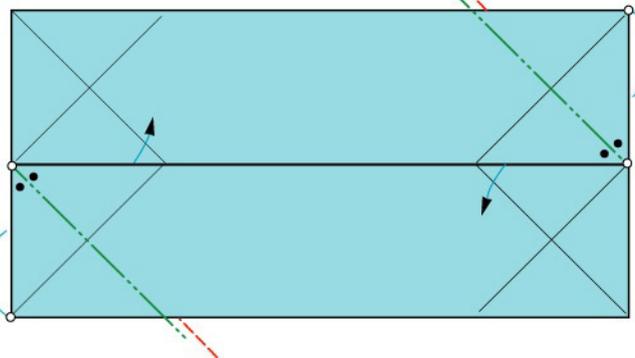
4

Ripiegate a valle



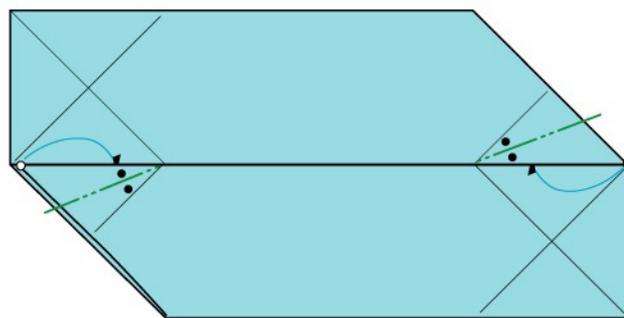
5

2 pieghe bisettrici a monte



6

2 pieghe rovesce interne



7

2 pieghe bisettrici a monte



8

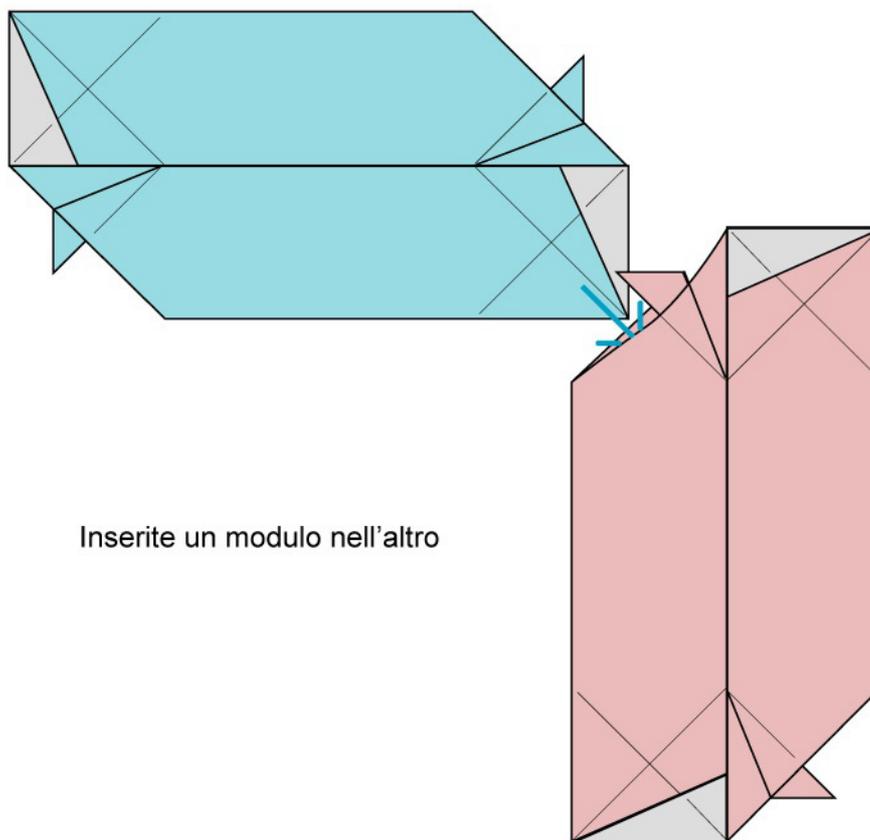
2 pieghe bisettrici a monte



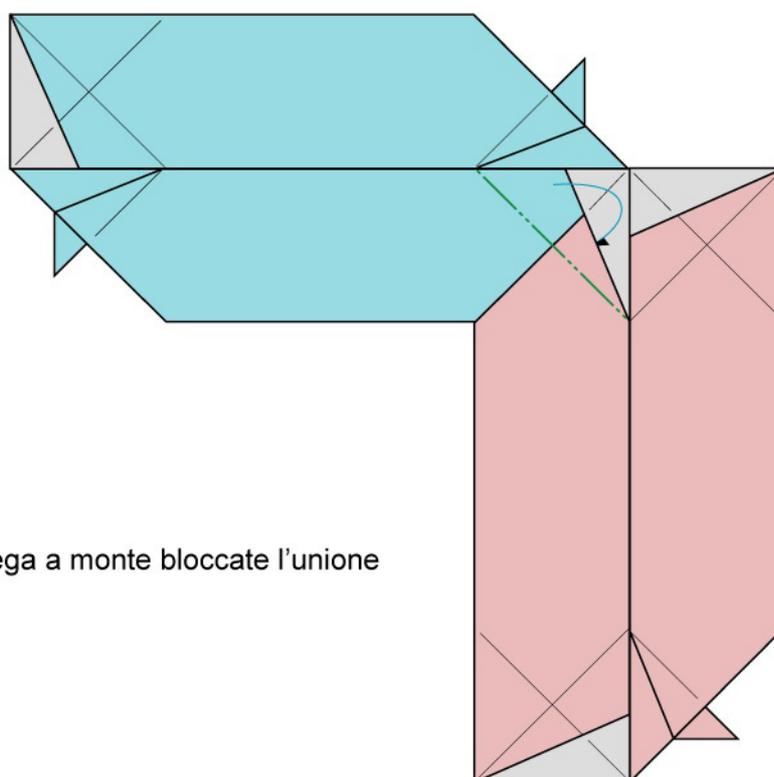
9

Modulo per poliedri "D" ultimato

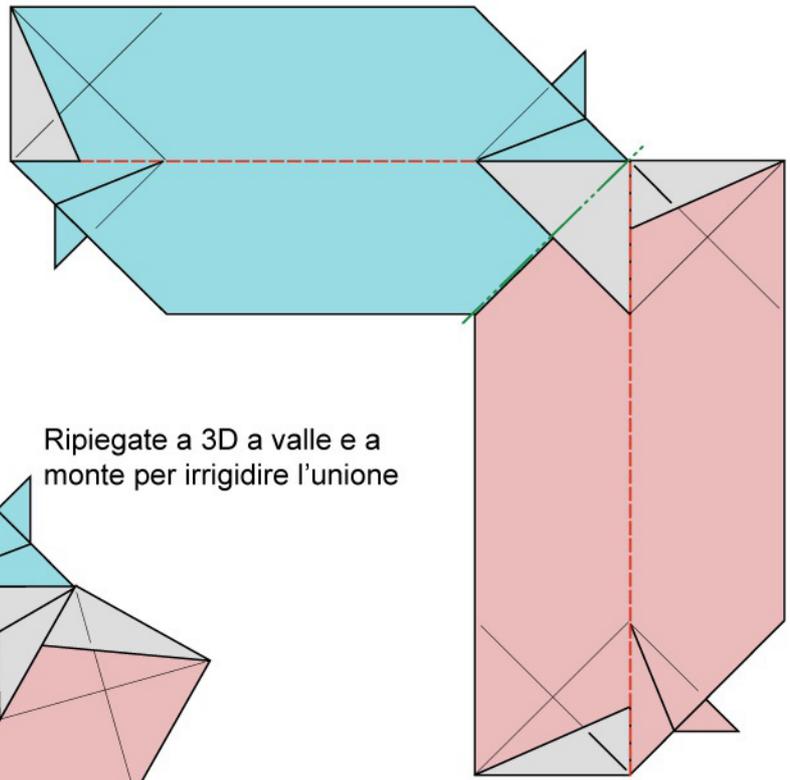
UNIONE DEI MODULI



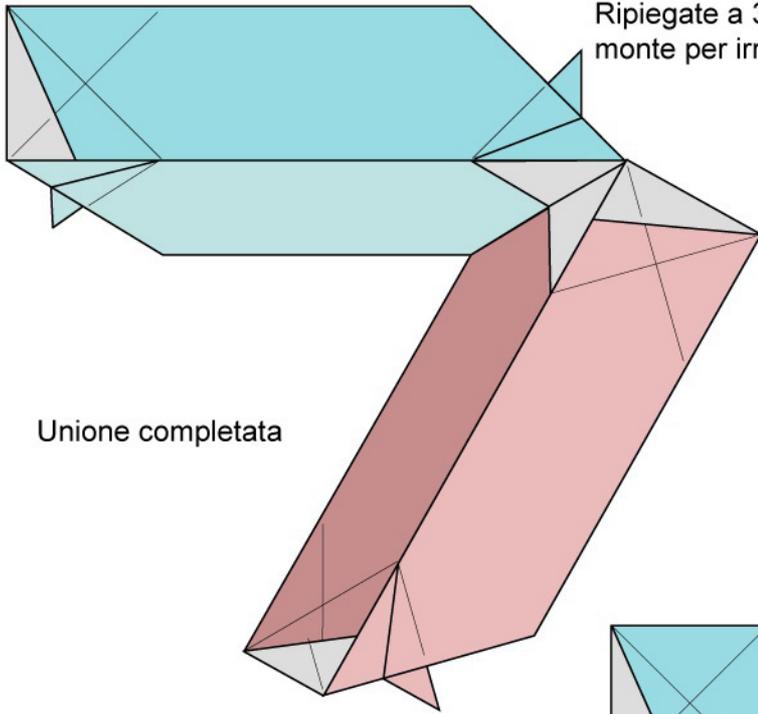
Inserite un modulo nell'altro



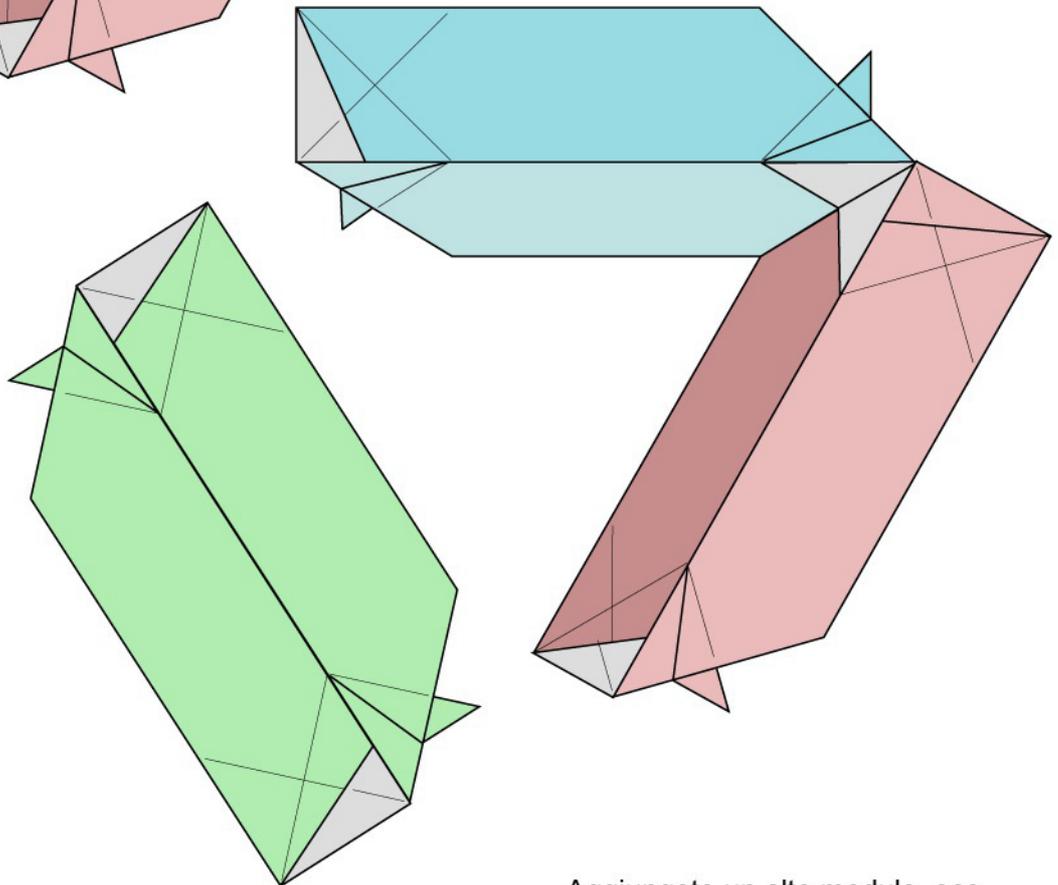
Mediante 1 piega a monte bloccate l'unione



Ripiegate a 3D a valle e a monte per irrigidire l'unione



Unione completata

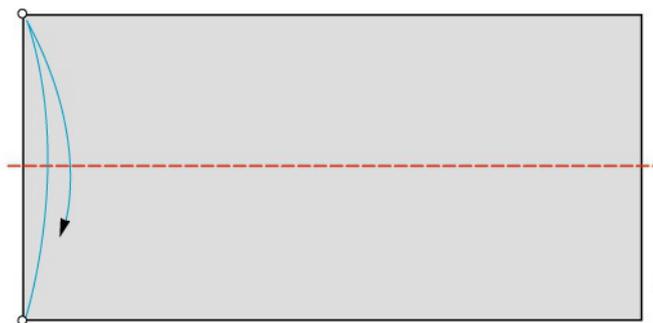


Aggiungete un altro modulo, ecc.

POLIEDRO MODULARE TRAFORATO "E"

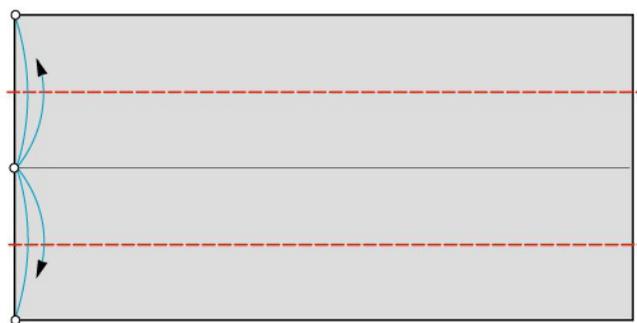
Franco Pavarin 23

Evoluzione del modello precedente dal quale riprende lo schema costruttivo, necessita però di 30 fogli bicolore rettangolari delle dimensioni di cm 7,5x15 di carta di medio peso



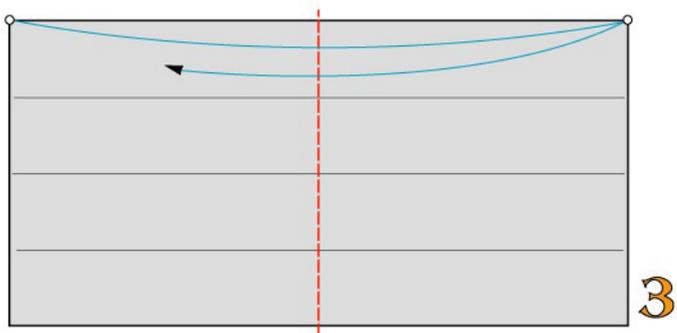
1 piega a valle

1

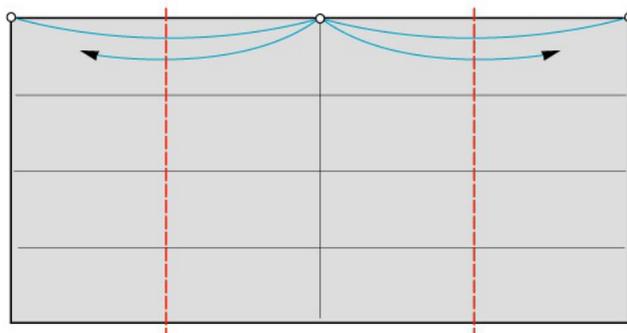


2 pieghe a valle

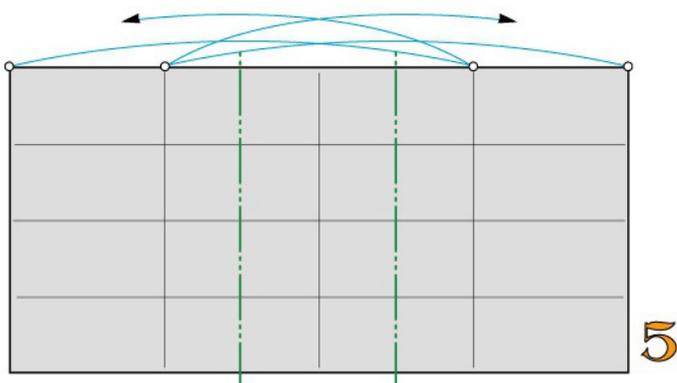
2



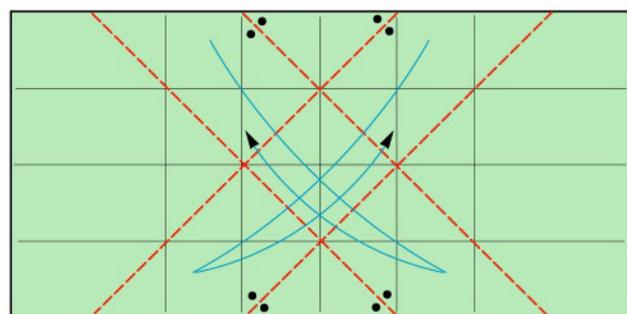
1 piega a valle



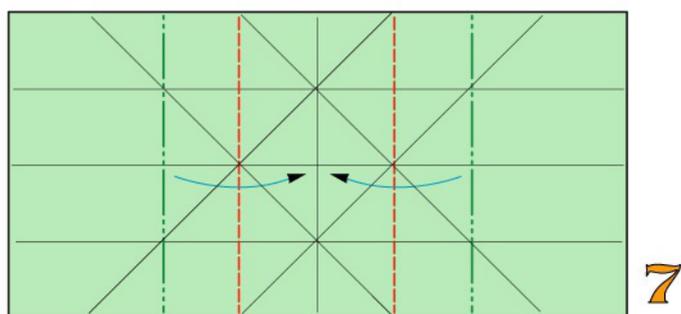
2 pieghe a valle



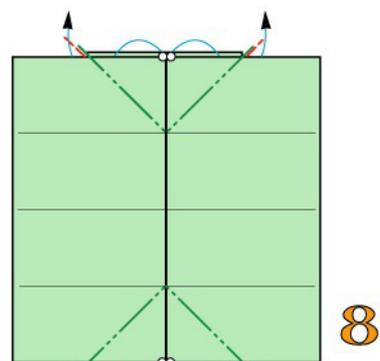
2 pieghe a monte e ribaltate



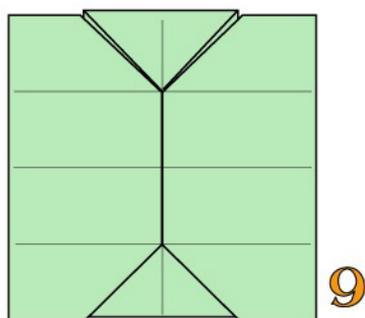
4 pieghe bisettrici a valle



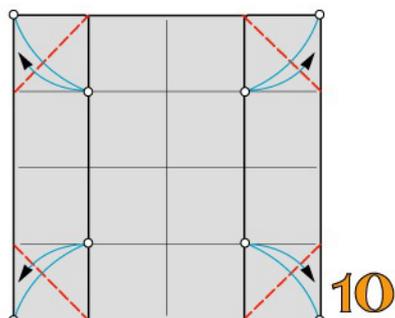
Ripiegate a valle e a monte



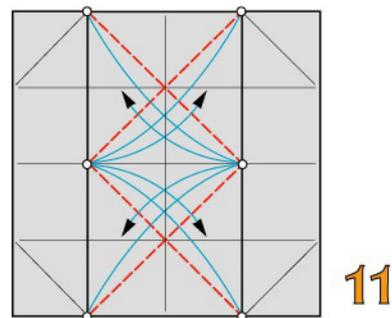
4 pieghe rovesce interne



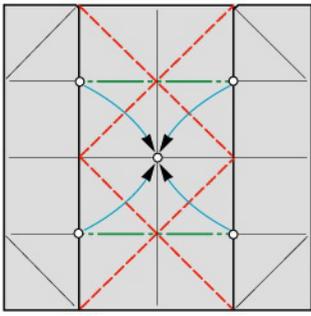
Ribaltate



4 pieghe diagonali a valle

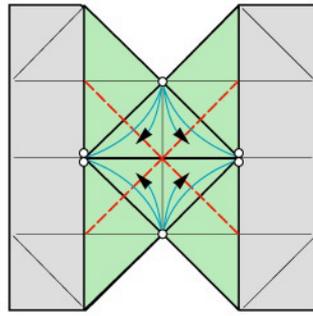


4 pieghe diagonali a valle
solo sulla superficie in vista



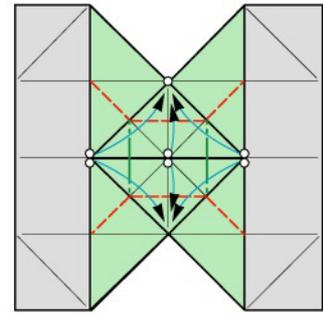
12

Ripiegate a valle a monte



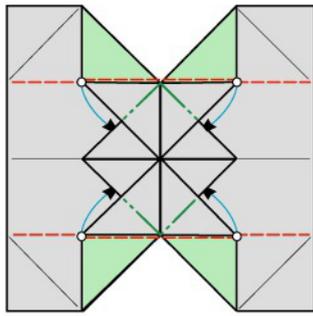
13

4 pieghe diagonali a valle



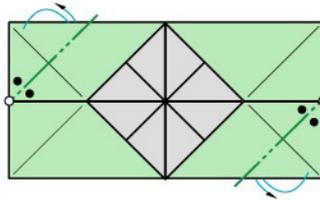
14

6 piccole pieghe a valle e 2 a monte



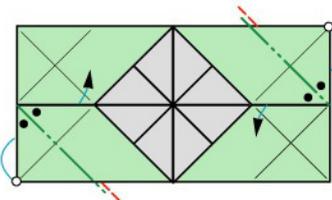
15

4 pieghe a monte e ripiegate a valle



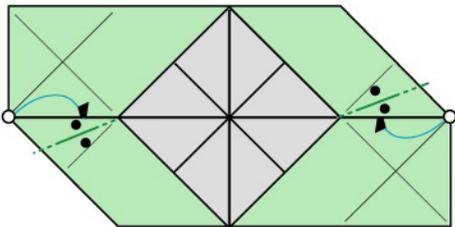
16

2 pieghe bisettrici a monte



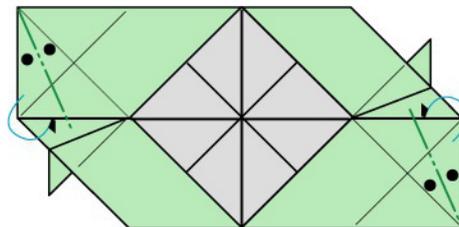
17

2 pieghe rovesce interne



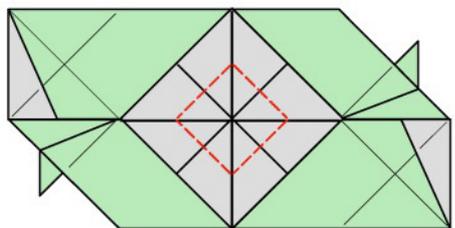
18

2 pieghe bisettrici a monte



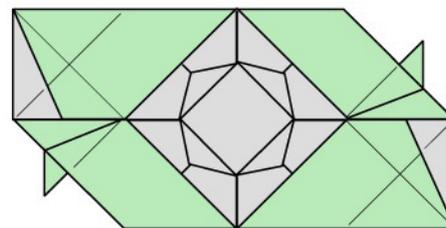
19

2 pieghe bisettrici a monte



20

4 pieghe a valle

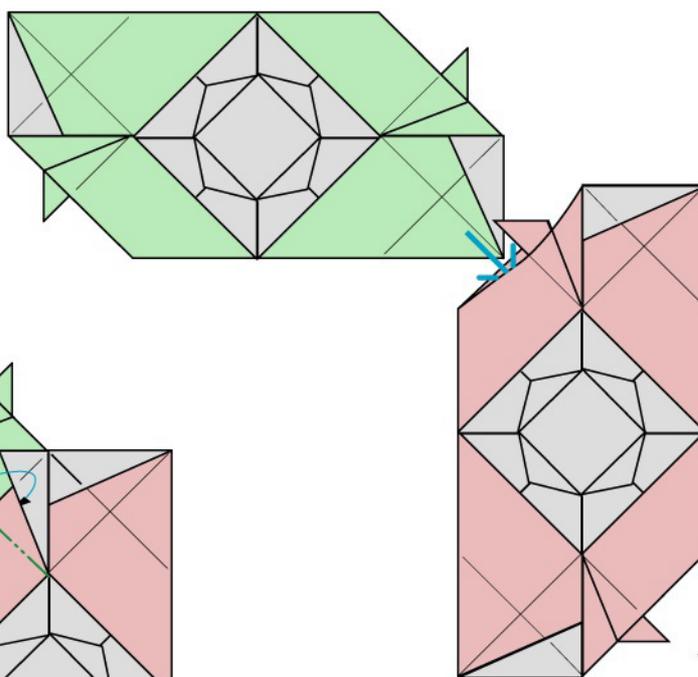


21

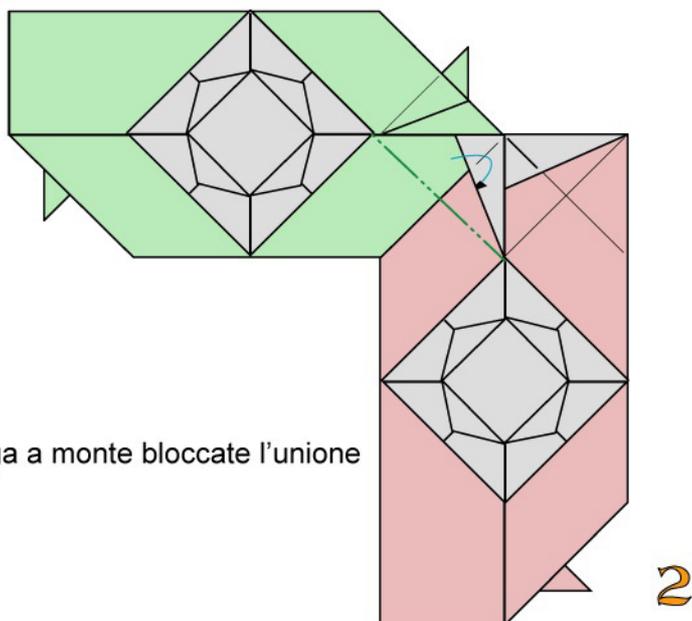
Modulo per poliedri "E" ultimato

UNIONE DEI MODULI

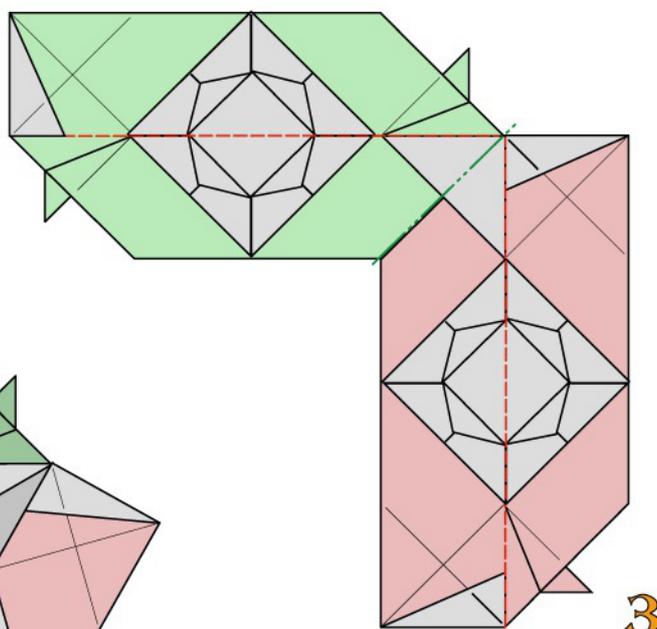
Inserite un modulo nell'altro



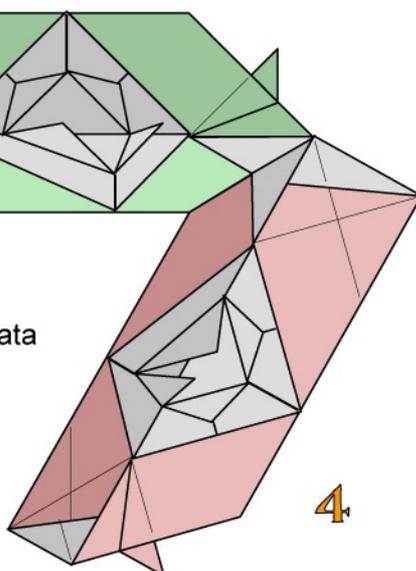
Mediante 1 piega a monte bloccate l'unione



Ripiegate a 3D a valle e a monte per irrigidire l'unione



Unione completata

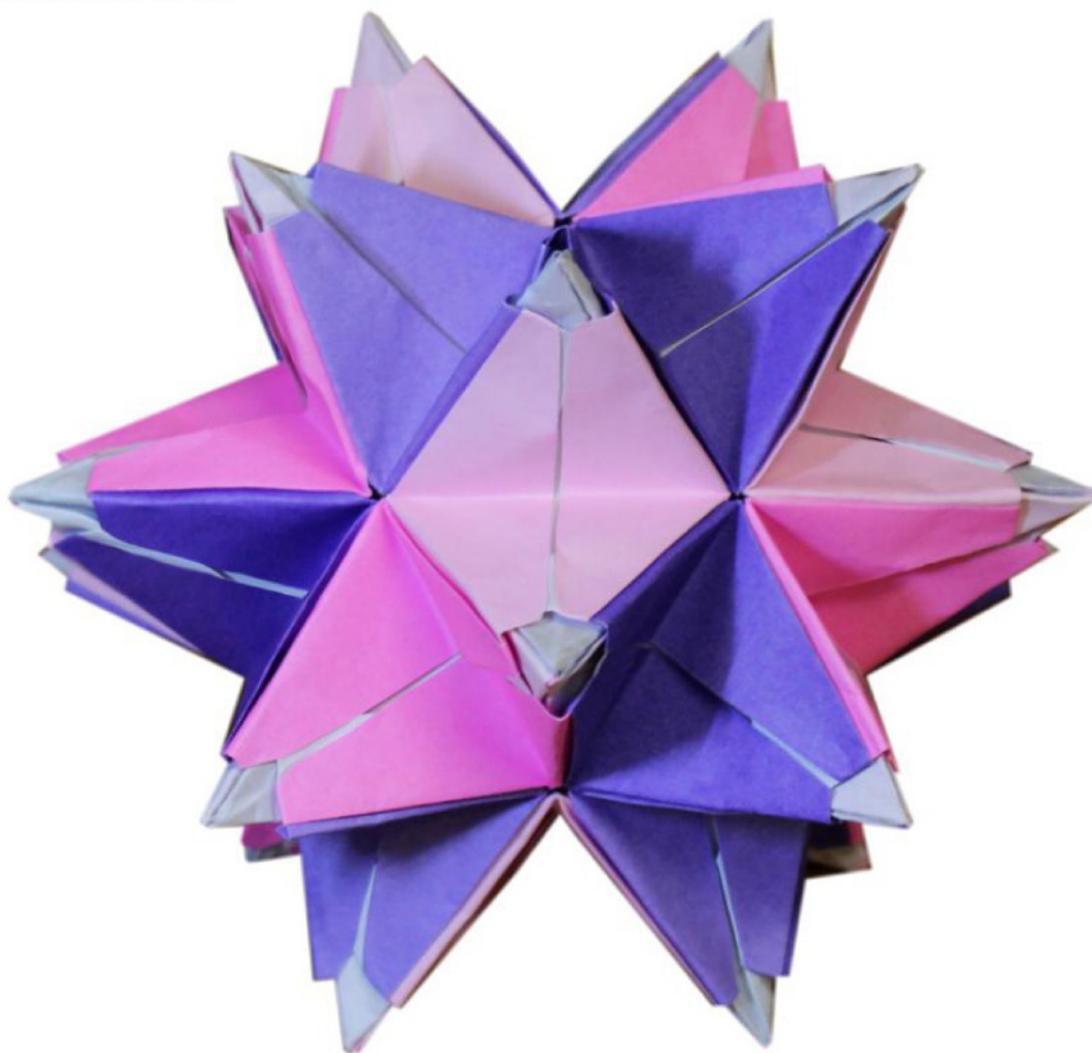


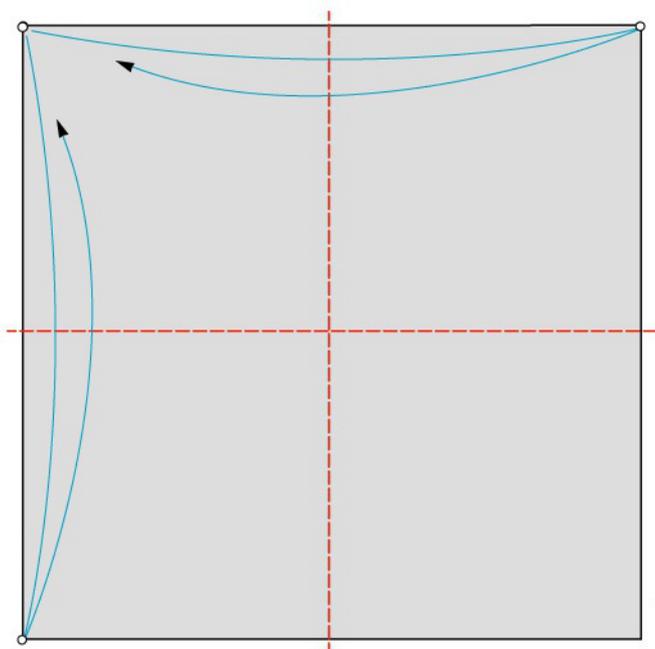
POLIEDRO MODULARE PIRAMIDATO "F"

Franco Pavarin 23

Il poliedro di base delle piramidi è un icosaedro, avente 20 facce a triangolo equilatero.

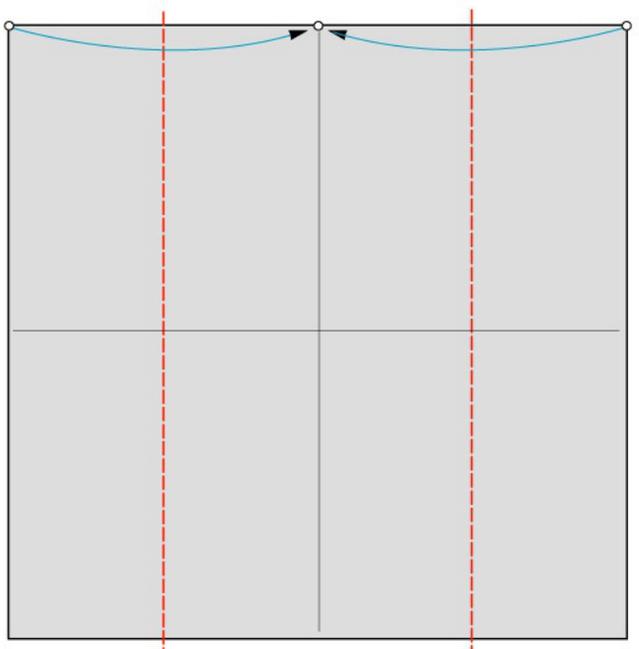
Si costruisce con 30 moduli da realizzare con carta bicolore leggera delle dimensioni di cm 10x10





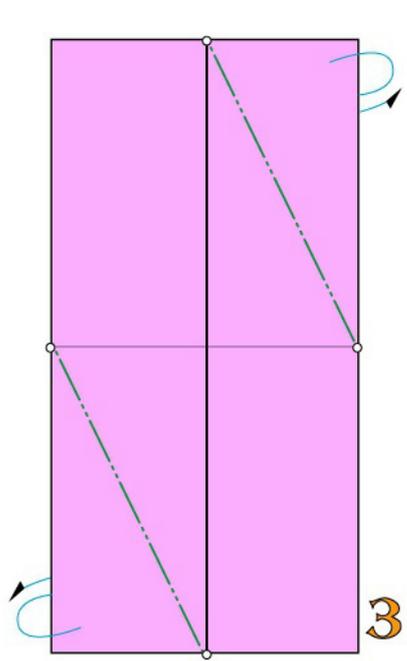
1

2 pieghe a valle



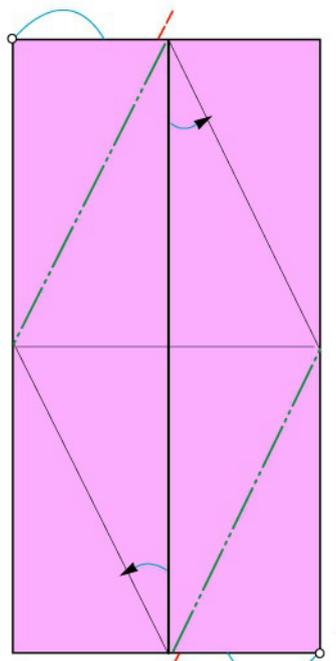
2

2 pieghe a valle



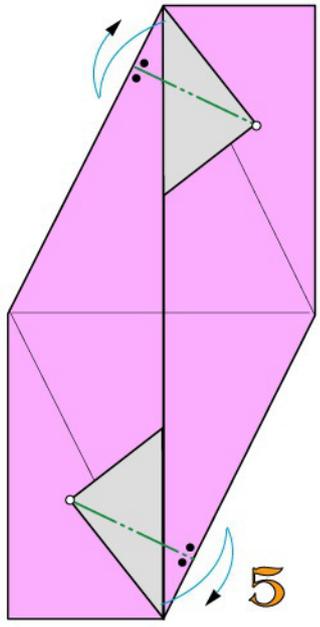
3

2 pieghe a monte



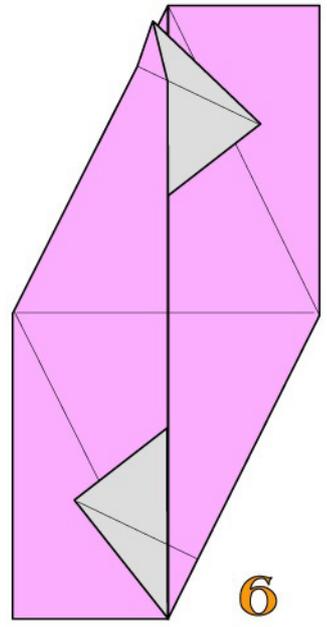
4

2 pieghe rovesce interne



5

2 pieghe bisettrici a monte
solo sulla superficie in vista

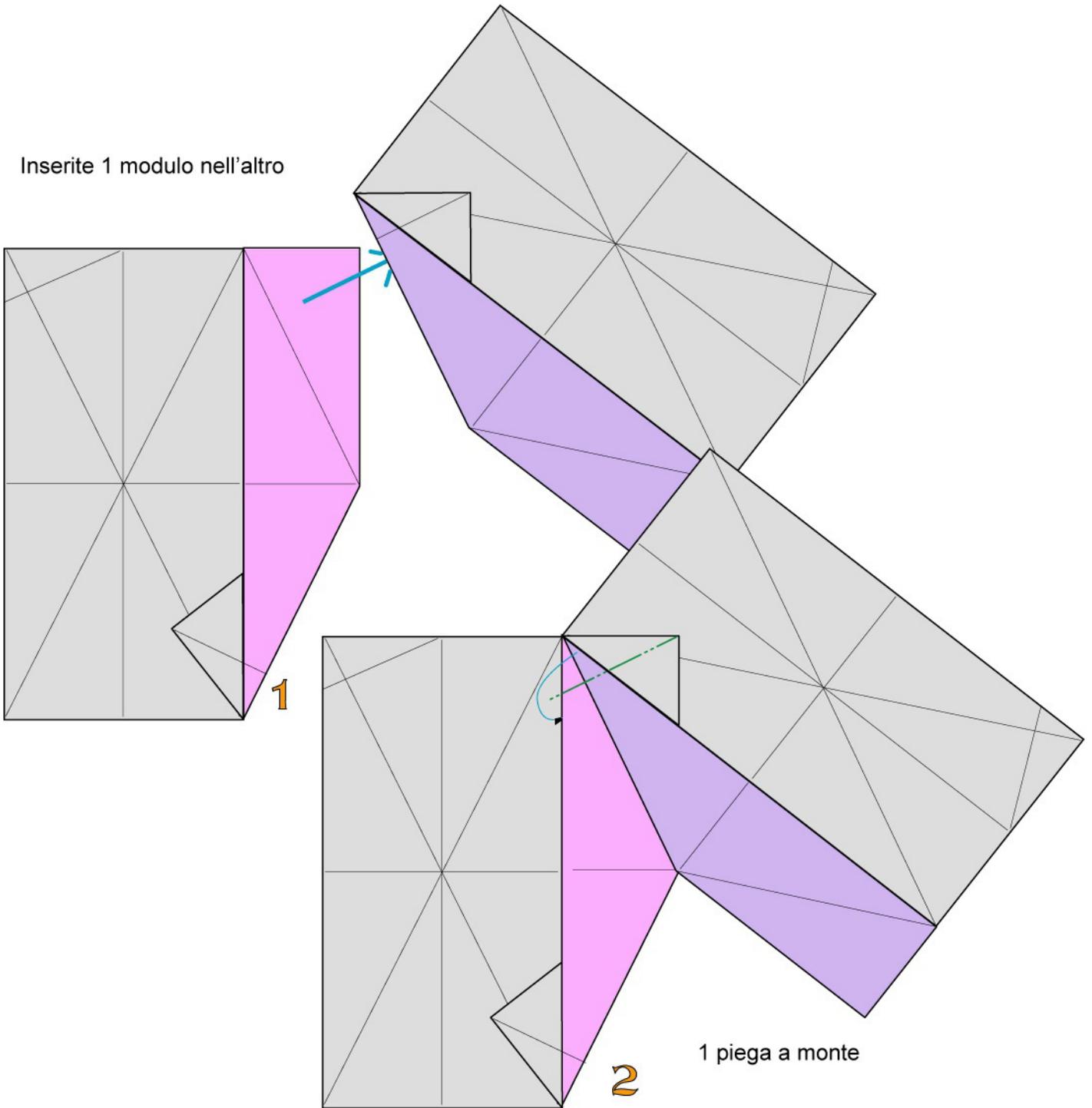


6

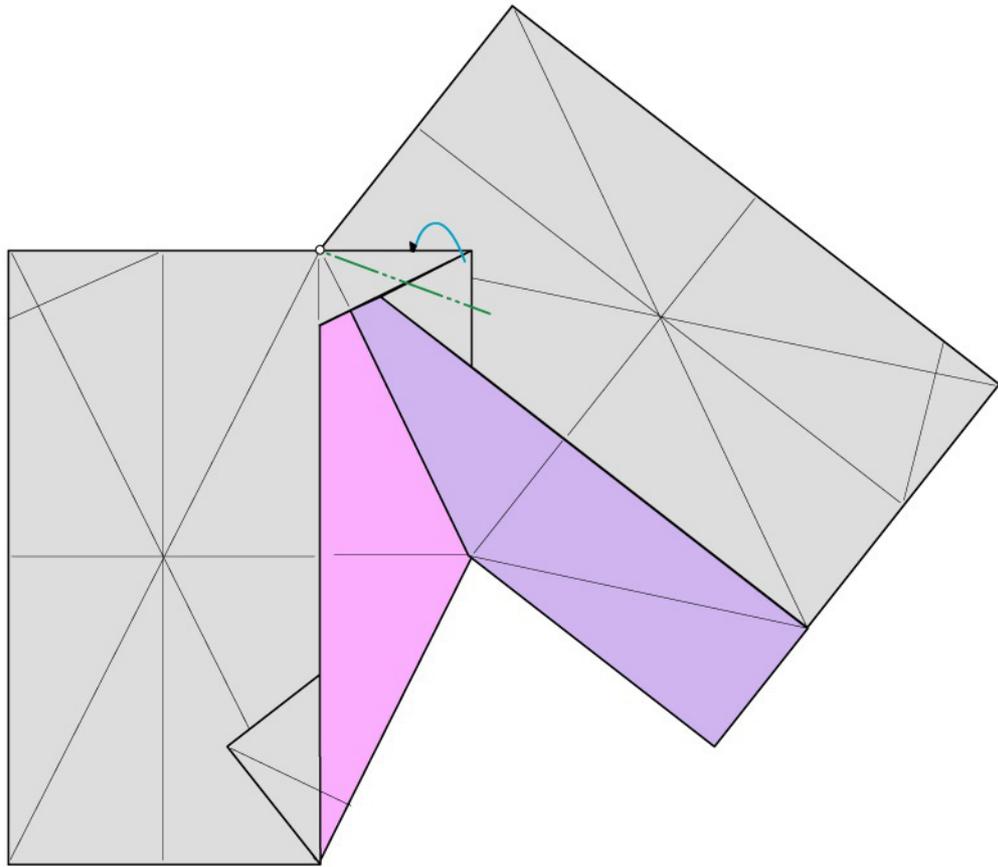
Modulo per poliedri
"F" ultimato

UNIONE DEI MODULI

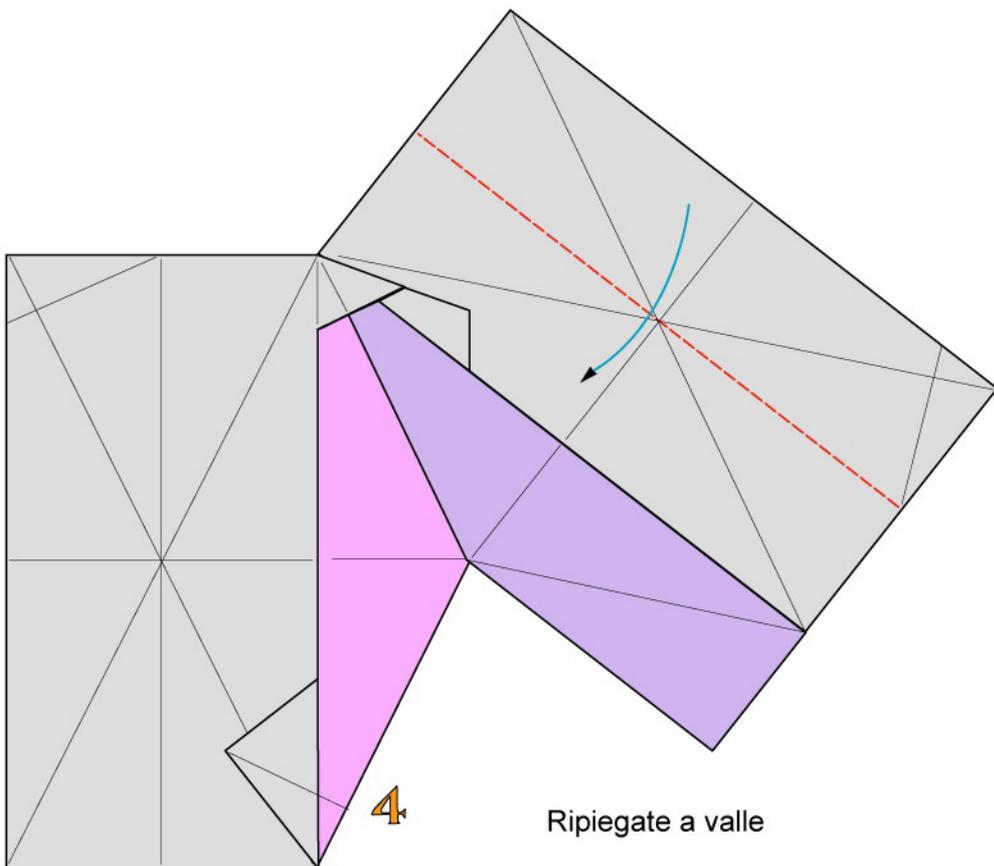
Inserite 1 modulo nell'altro



Mediante una piega a monte
bloccate l'unione



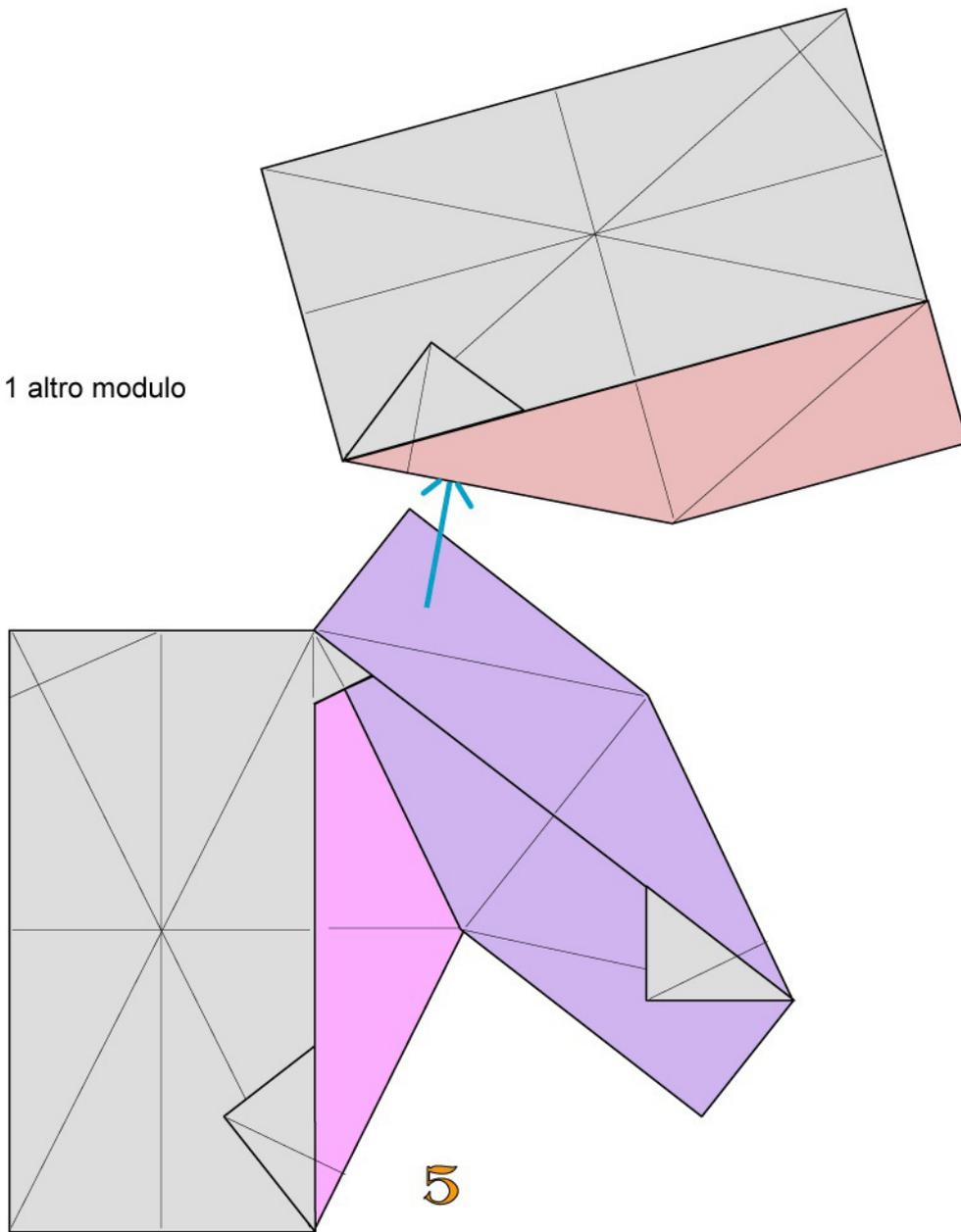
3



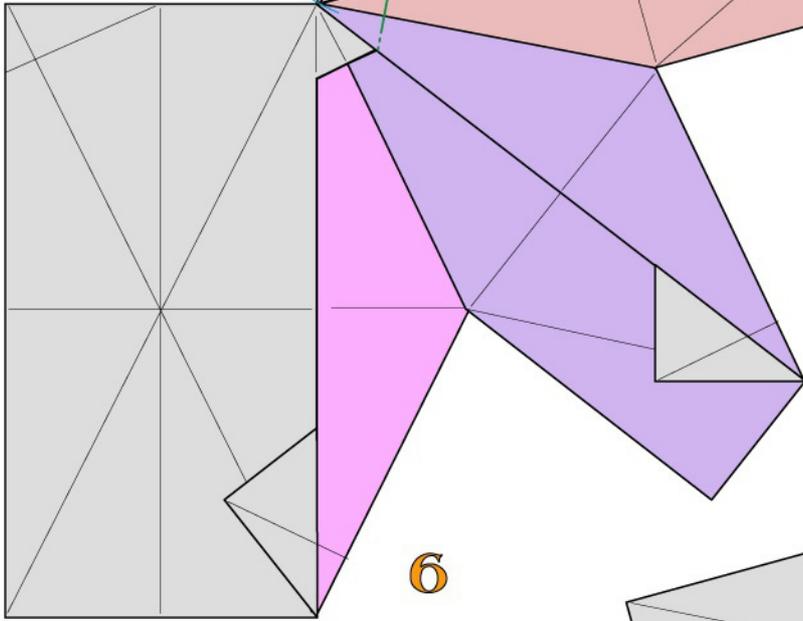
4

Ripiegate a valle

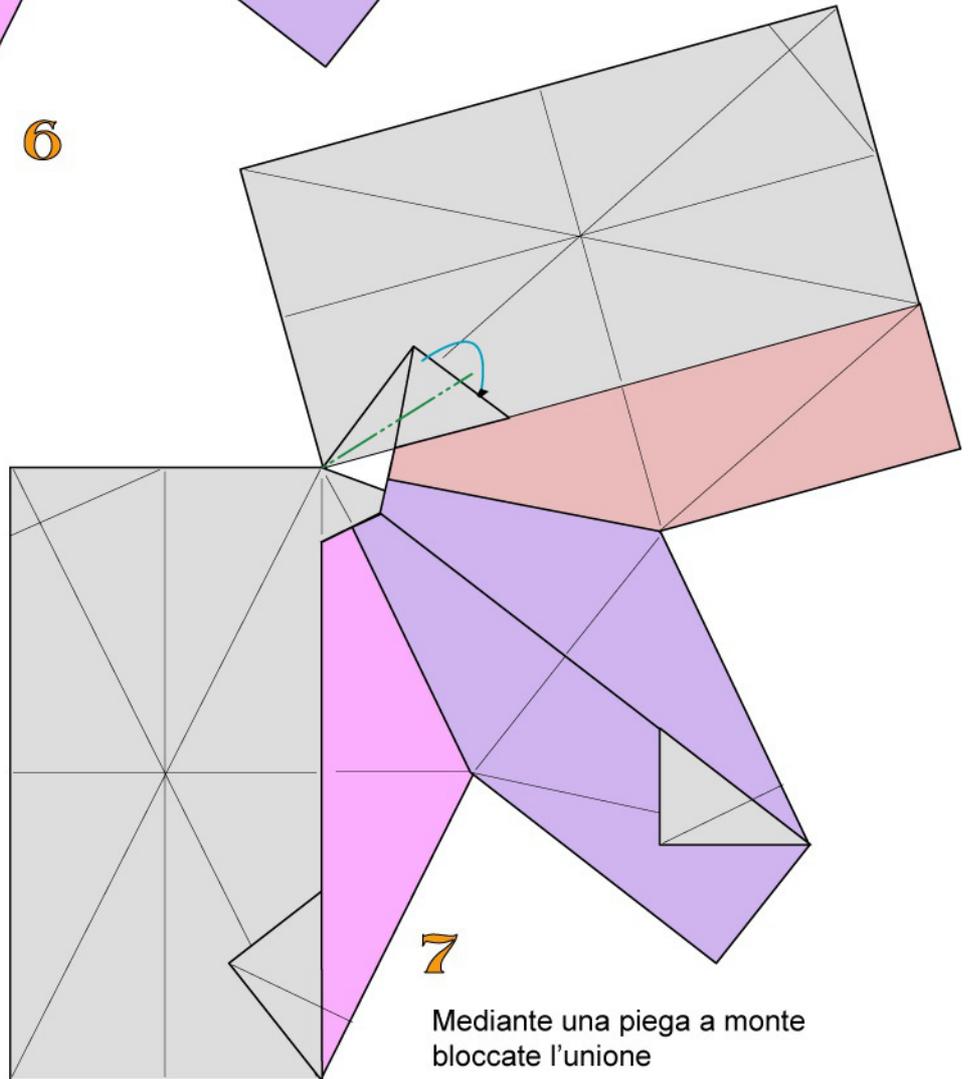
Inseite 1 altro modulo



1 piega a monte



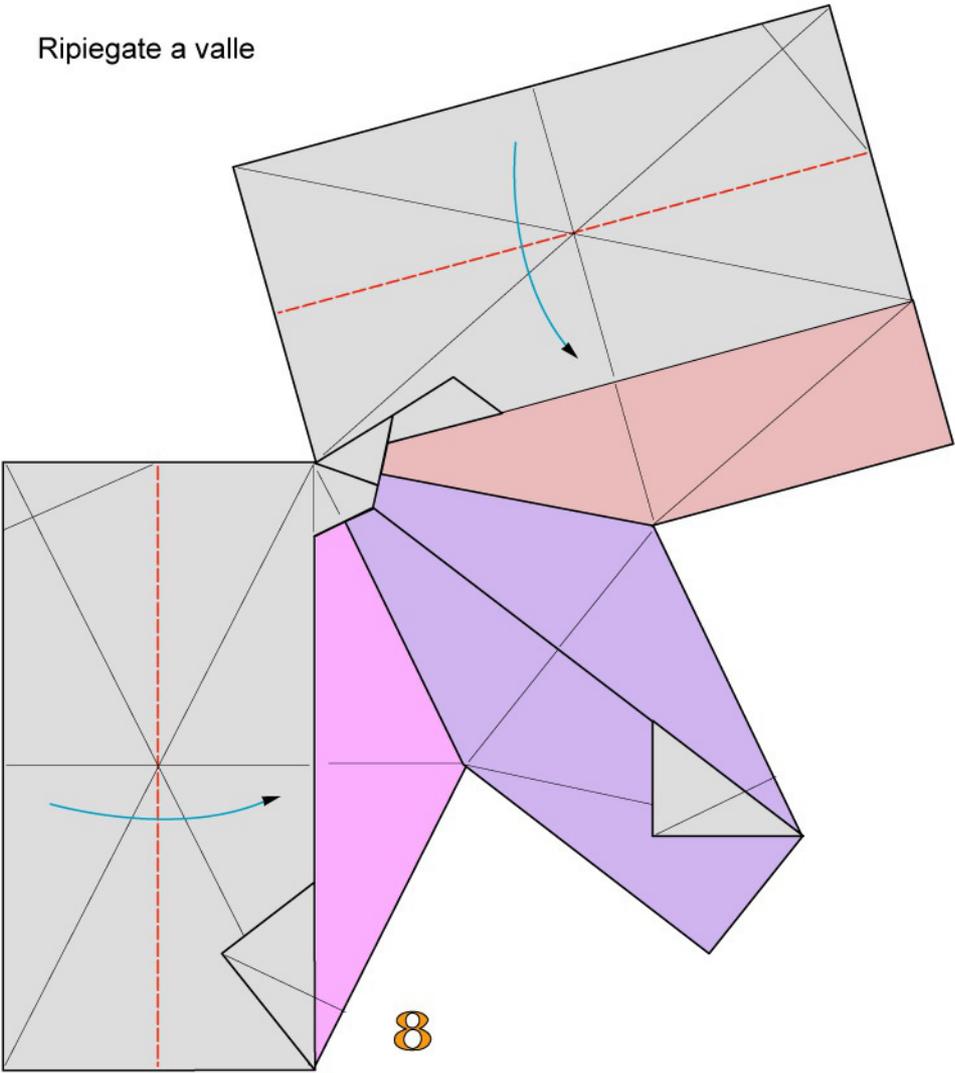
6



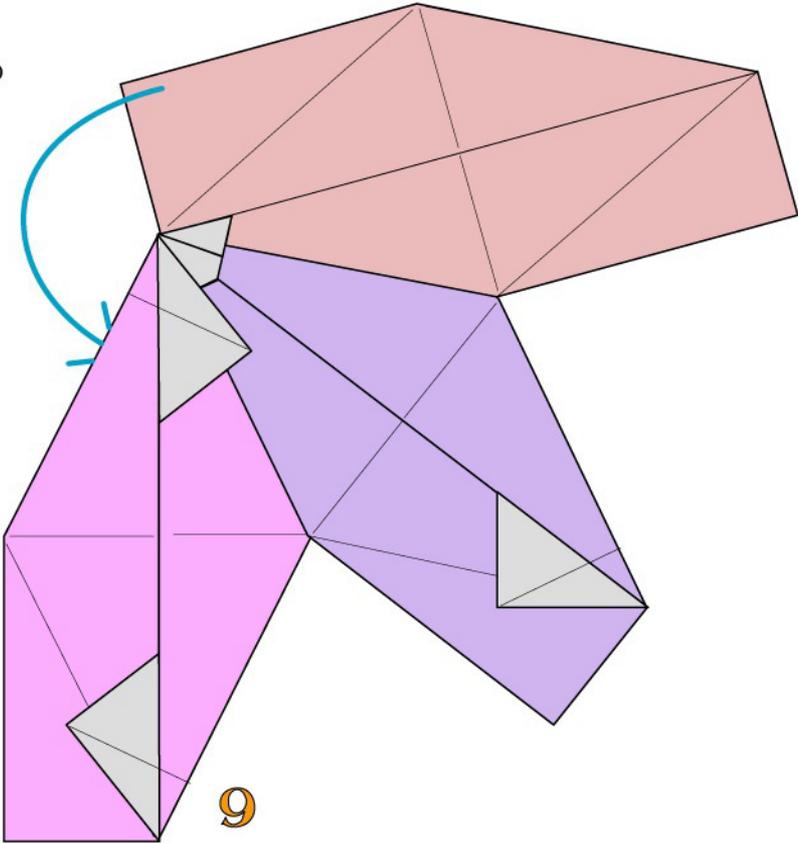
7

Mediante una piega a monte
bloccate l'unione

Ripiegate a valle



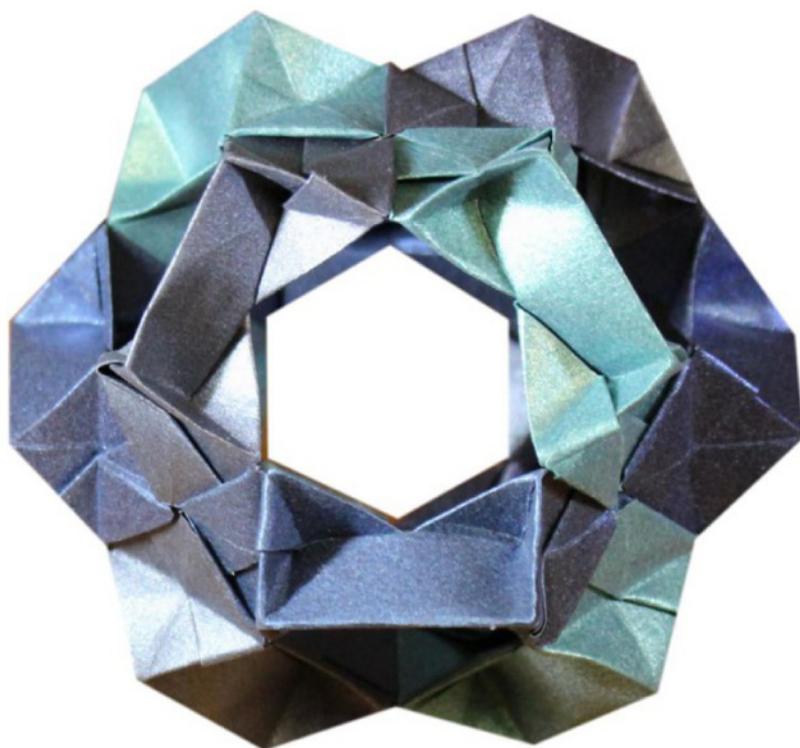
Completate 1 piramide procedendo
come già visto



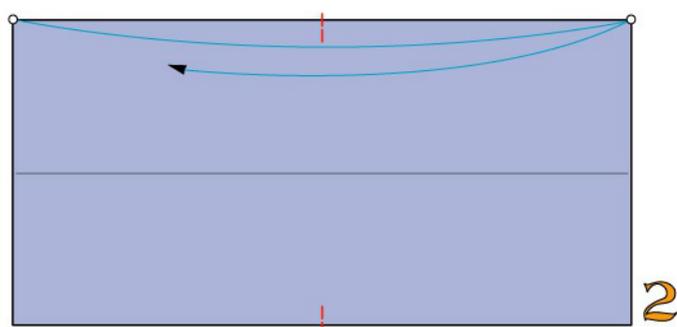
POLIEDRO MODULARE TRAFORATO "G"

Franco Pavarin 23

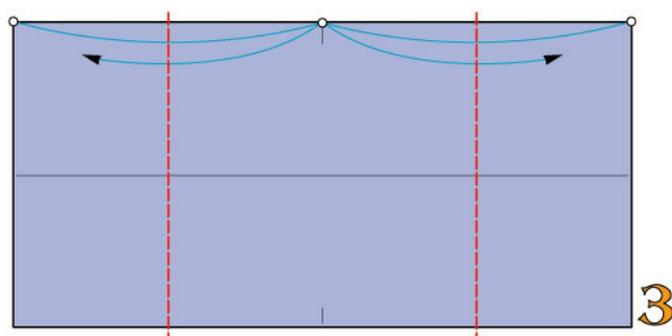
Con questo modulo si possono costruire molti solidi.
Quello in fotografia è un cubo, cioè un solido regolare con 6 facce a quadrato.
Per la costruzione adoperate 12 fogli rettangolari monocolori di carta di medio peso di almeno cm 12x6



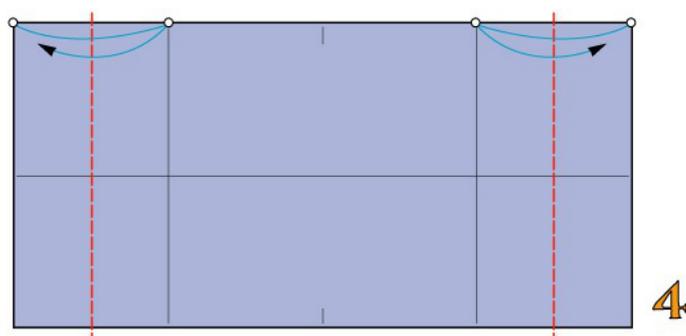
1 piega a valle



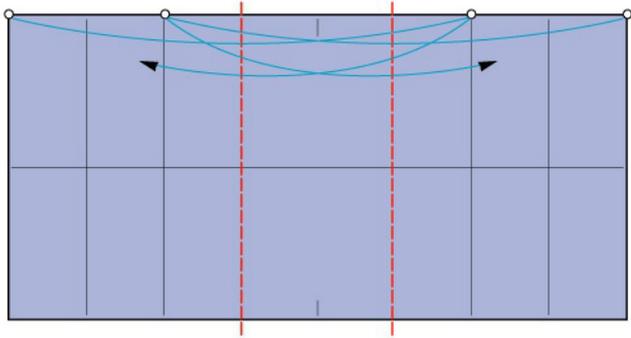
2 piccole pieghe a valle



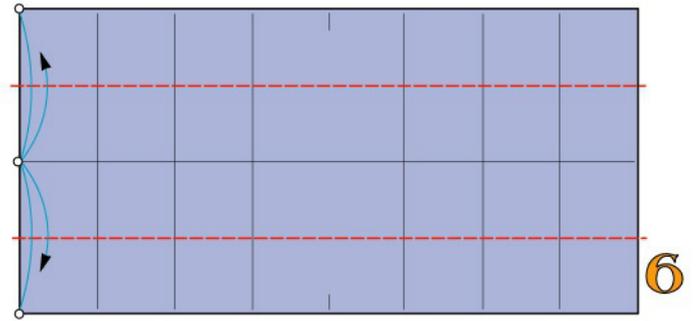
2 pieghe a valle



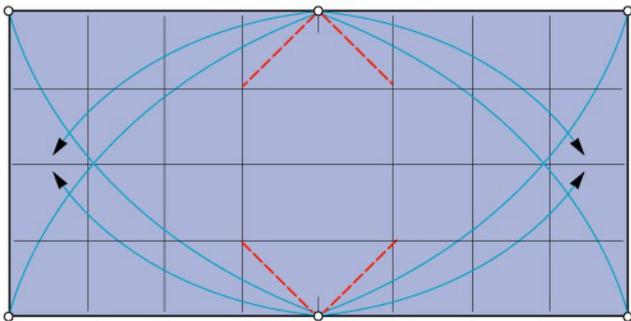
2 pieghe a valle



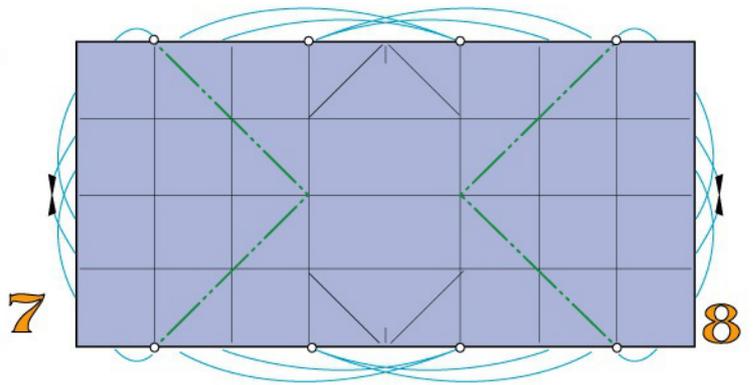
2 pieghe a valle



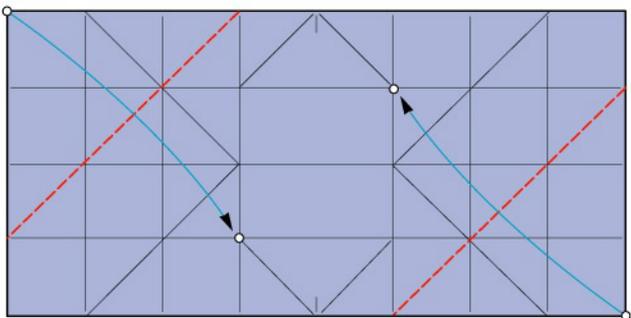
2 pieghe a valle



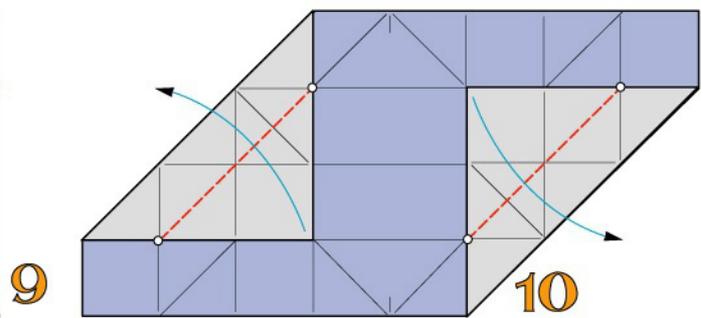
2 pieghe diagonali a valle



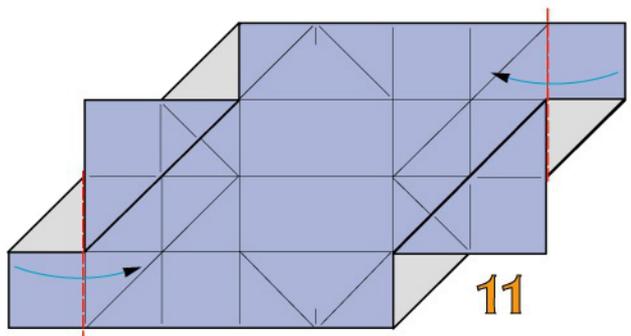
4 pieghe diagonali a monte



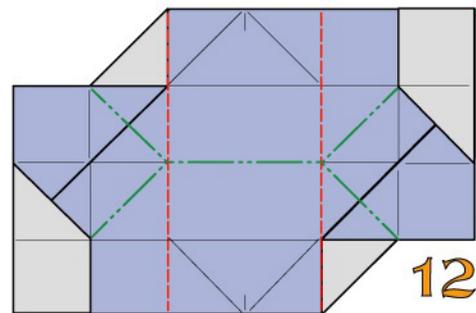
2 pieghe diagonali a valle



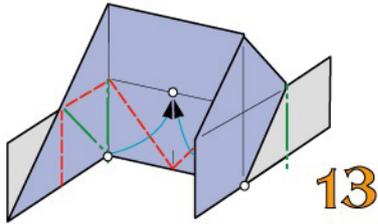
2 pieghe diagonali a valle



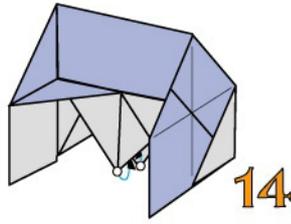
Ripiegate a valle



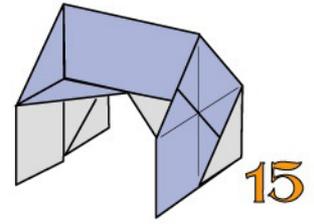
Ripiegate a valle e a monte modellando 3D



13
Ripiegate a valle e a monte modellando 3D

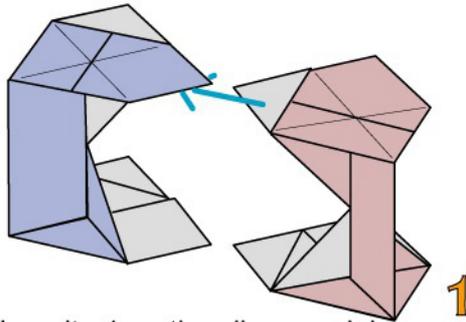


14
Intascate i 2 vertici inferiori

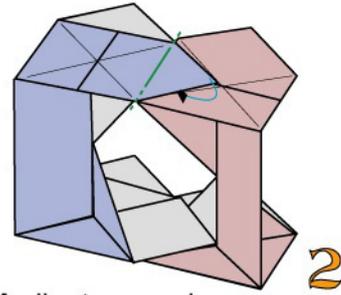


15
Modulo per poliedri "G" ultimato

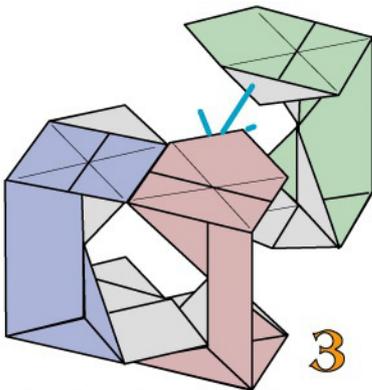
UNIONE DEI MODULI



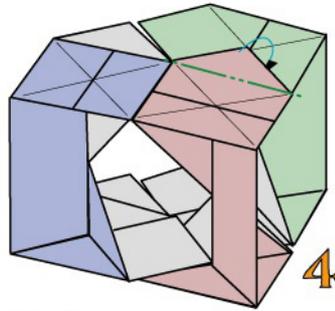
1
Inserite 1 vertice di un modulo nella tasca di un altro



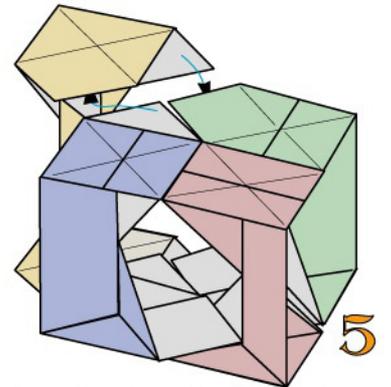
2
Mediante una piega a monte bloccate l'unione



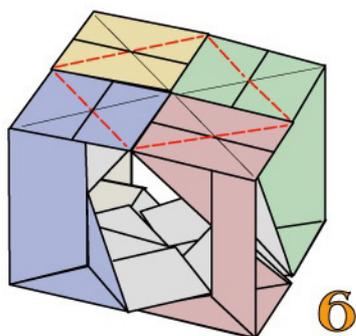
3
Inserite 1 vertice di un altro modulo nella tasca del secondo



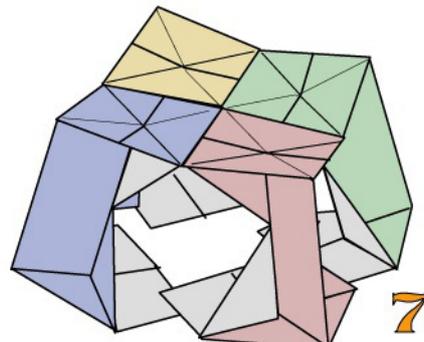
4
Mediante una piega a monte bloccate l'unione



5
Inserite 1 vertice di un altro modulo nella tasca del terzo



6
4 pieghe a valle

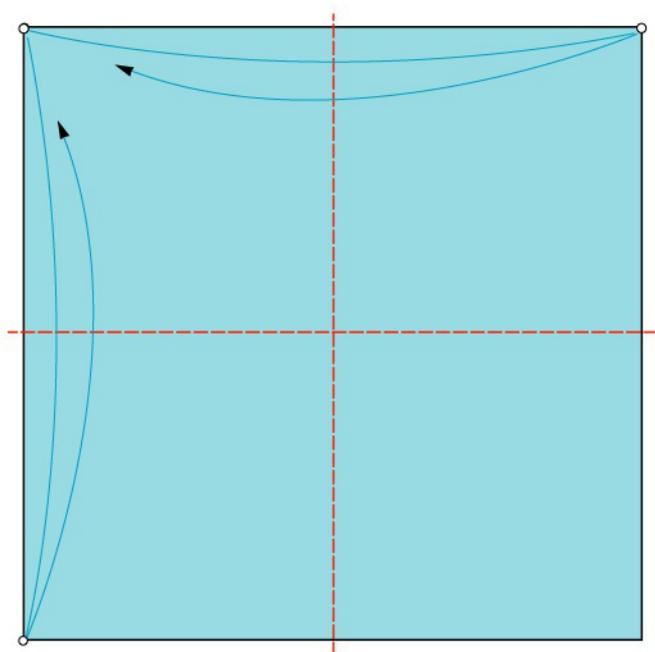
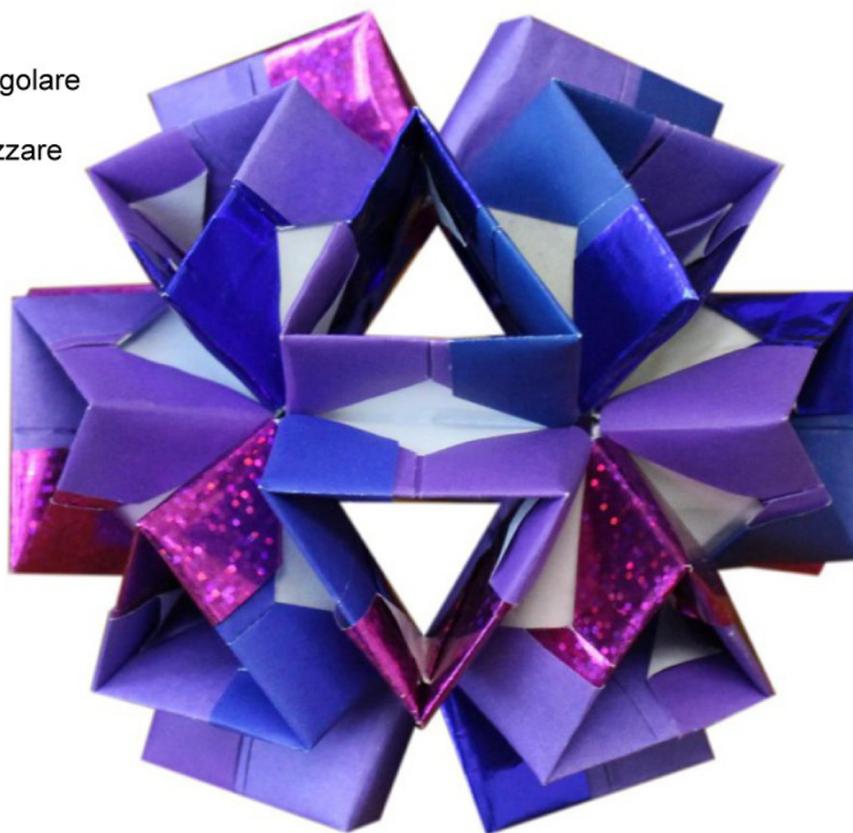


7
4 moduli uniti

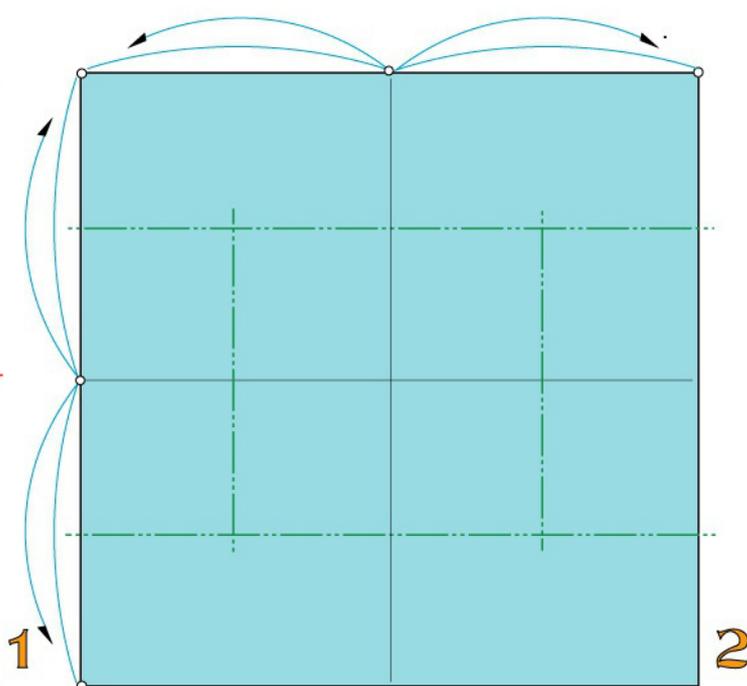
POLIEDRO MODULARE TRAFORATO "H"

Franco Pavarin 23

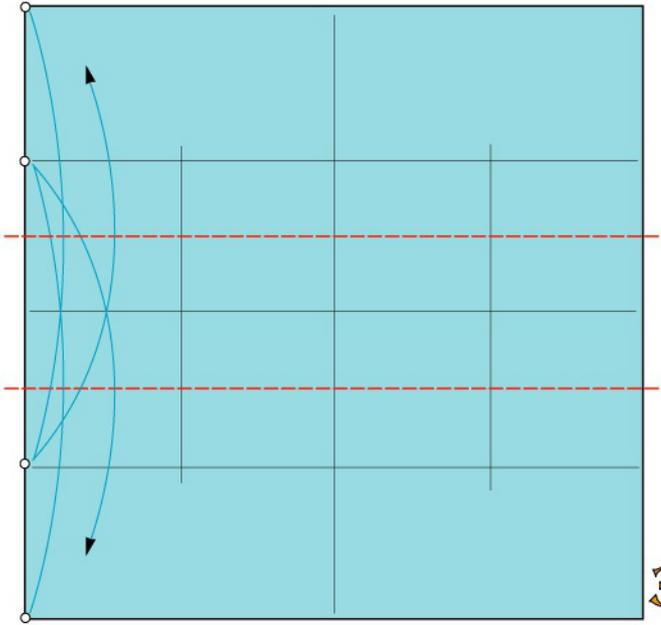
Si tratta di un icosaedro, poligono regolare con 20 facce a triangolo equilatero. Si costruisce con 30 moduli da realizzare con carta bicolore leggera e delle dimensioni di cm 15x15



2 pieghe a valle

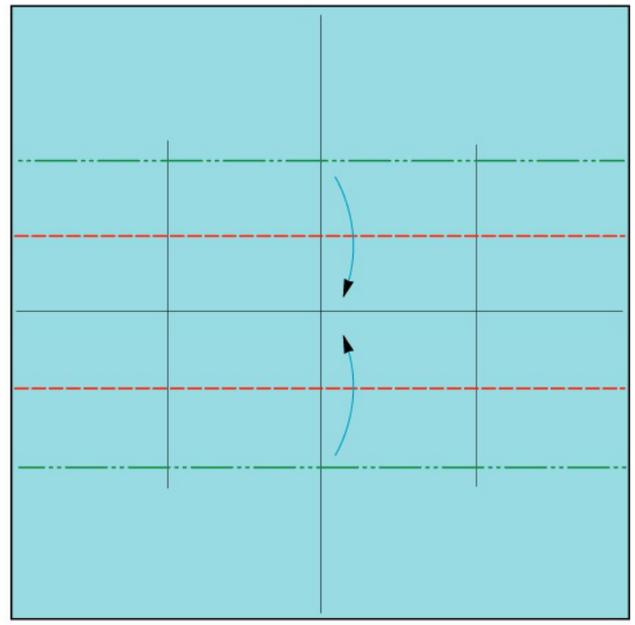


4 pieghe a monte



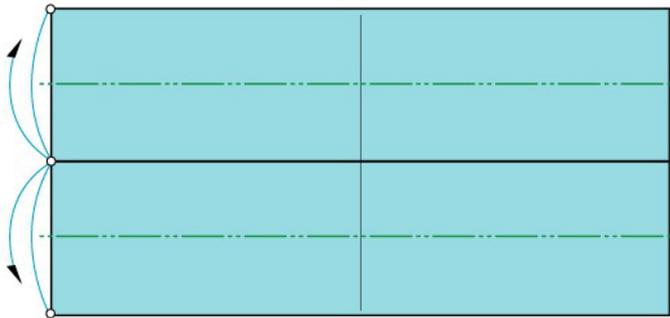
3

2 pieghe a valle



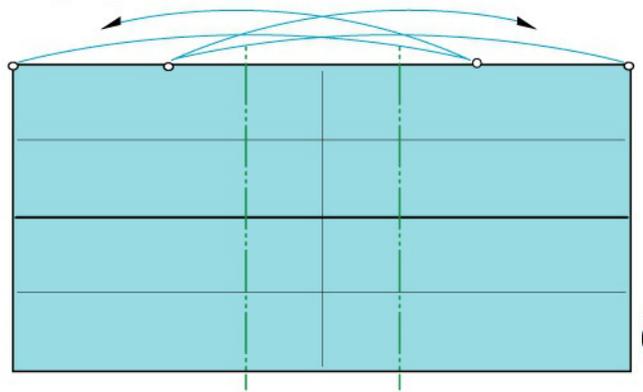
4

Ripiegate a valle e a monte



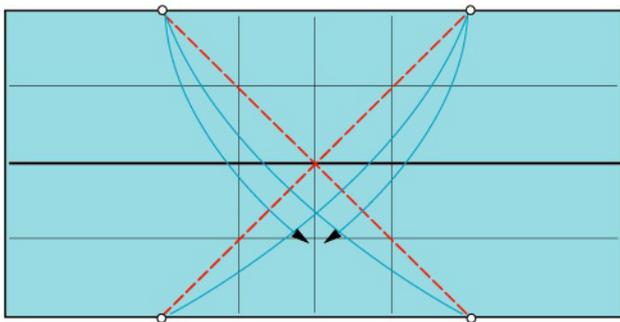
5

2 pieghe a monte



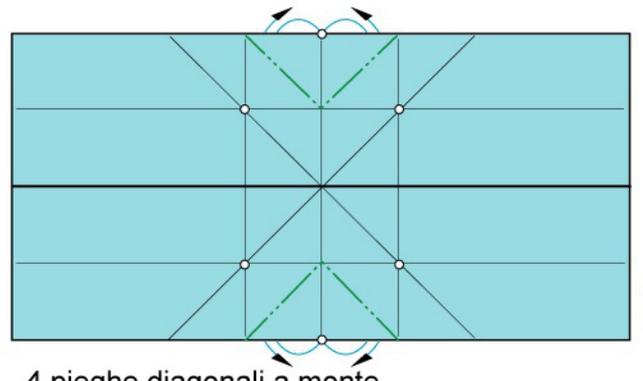
6

2 pieghe a monte



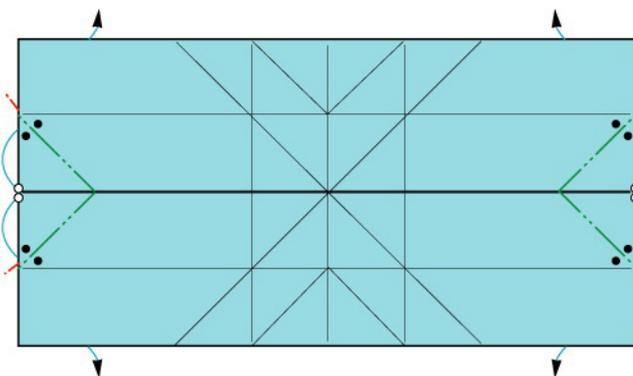
7

2 pieghe a valle



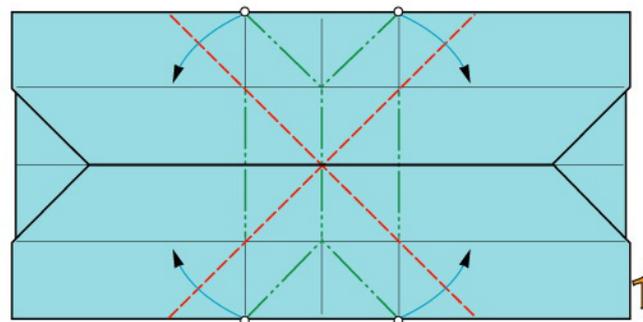
8

4 pieghe diagonali a monte



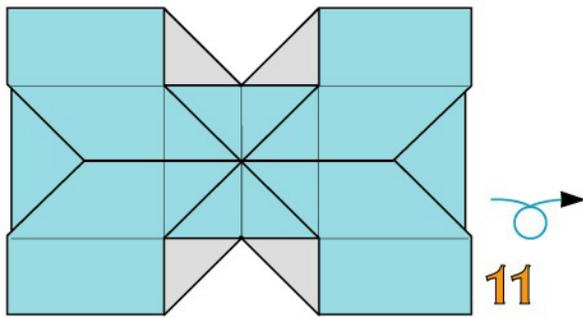
9

4 pieghe bisettrici a monte



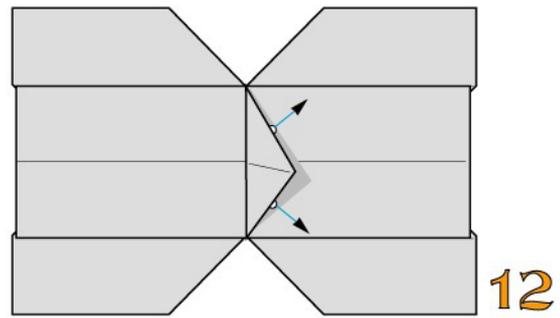
10

Ripiegate a valle e a monte



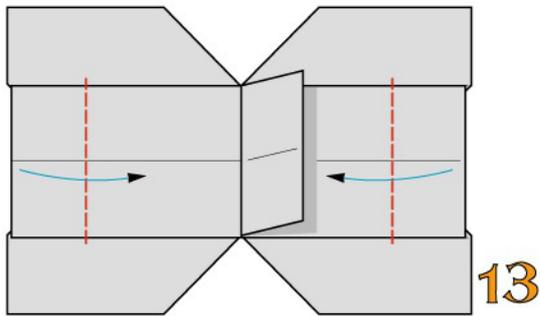
Ribaltate

11



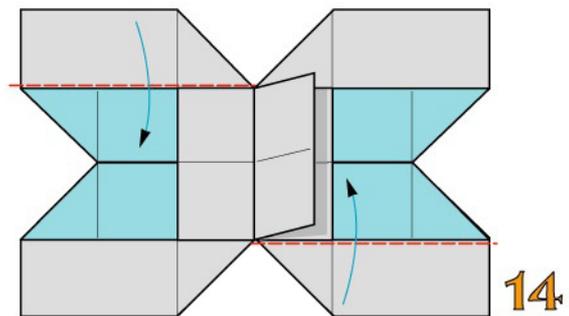
Estraete i 2 vertici interni

12



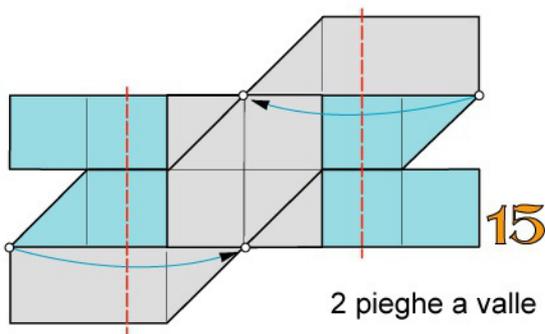
2 pieghe a valle

13



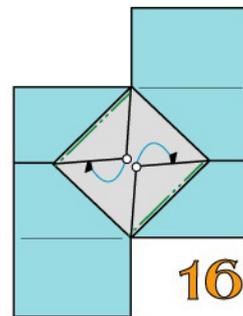
Ripiegate a valle

14



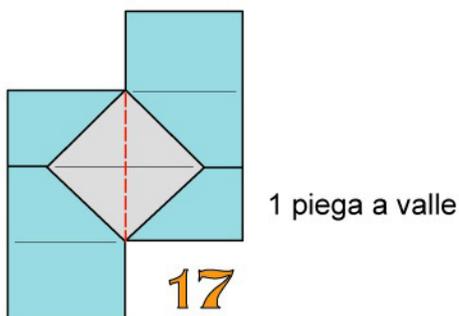
2 pieghe a valle

15



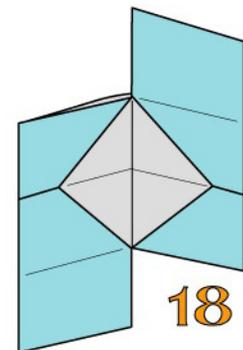
2 pieghe a monte
e intascate

16



1 piega a valle

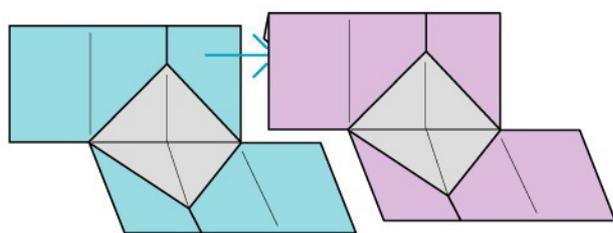
17



Modulo per poliedri
"H" ultimato

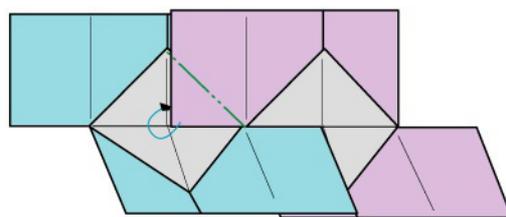
18

UNIONE DEI MODULI



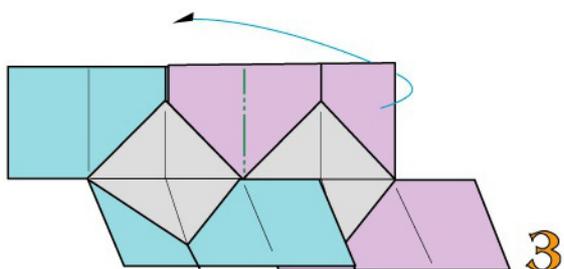
1

Inserite un modulo nell'altro



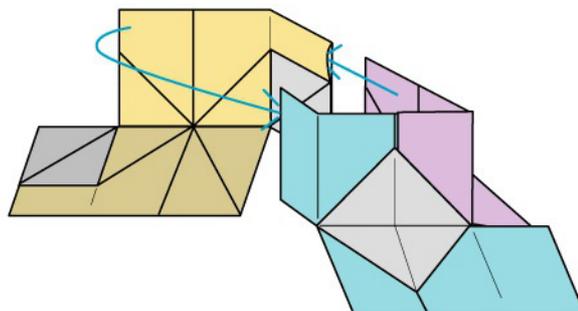
2

Mediante 1 piega a monte bloccate l'unione



3

1 piega a monte



4

Inserite un altro modulo per realizzare una faccia triangolare e bloccate come visto precedentemente

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

