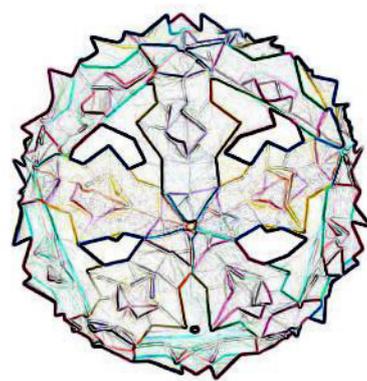
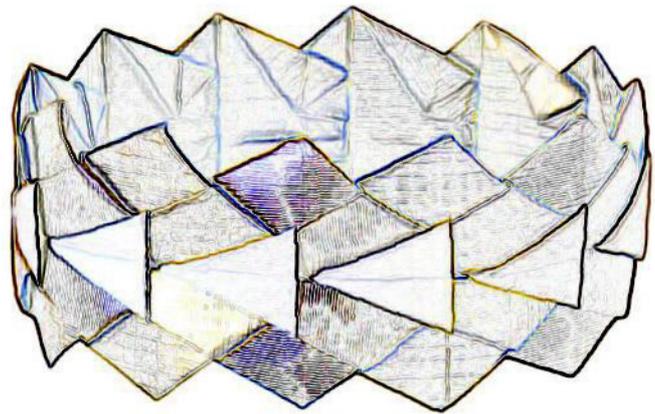
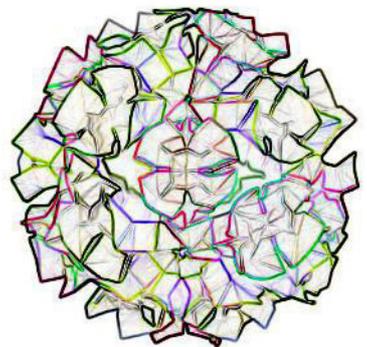
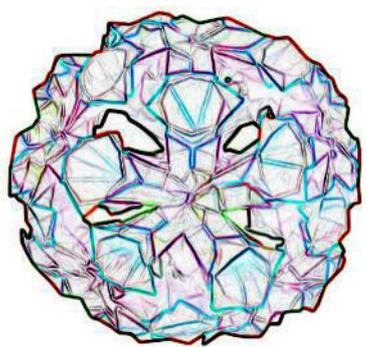
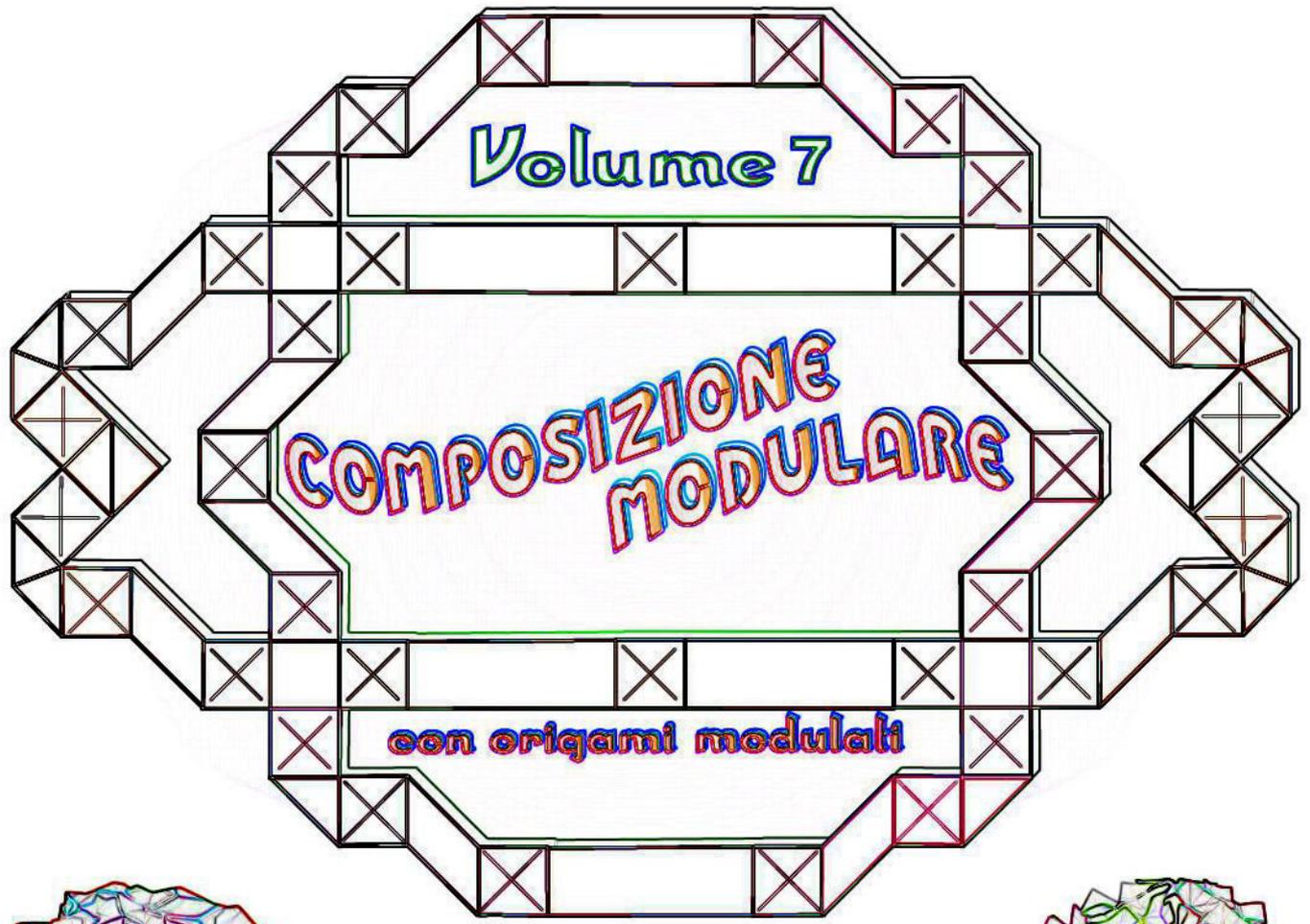




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PREFAZIONE

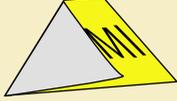
Le 2 principali idee sviluppate nel testo sono quelle relative ai due sistemi costruttivi: “Modulo cubotto” e “Modulo incastro” poichè consentono con grande versatilità ad ognuno di realizzare i solifi che preferisce.

Anche i poliedri con fiori mi sembrano abbastanza originali.

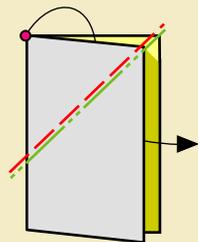
Luglio 2024

Franco Pavarin

Simbologia origami

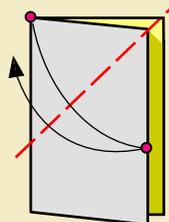
	Indicazione	Risultato 3D
 Piega a valle (piega bassa)		
 Piega a monte (piega alta)		
 Ruotate e piegate		
 Ruotate, piegate e riportate alla posizione iniziale		
 Ribaltate sull'asse verticale		
 Ribaltate sull'asse orizzontale		
 Ruotate di 180°		
 Figura ingrandita		

Realizzazione delle pieghe rovesce



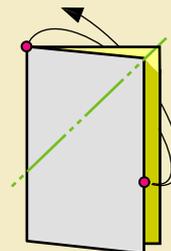
1

Eseguite una piega rovescia interna



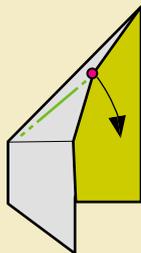
2

Una piega a valle



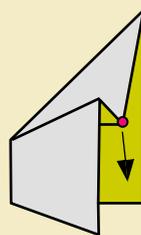
3

Ripiegate con piega a monte sulla medesima traccia



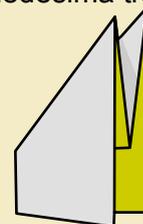
4

Aprite e rovesciate il verso della piega



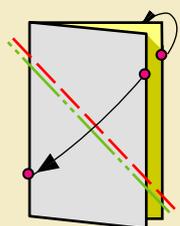
5

Inserite all'interno il vertice indicato



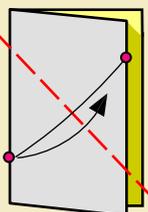
6

Piega rovescia interna ultimata



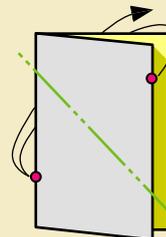
1

Eseguite una piega rovescia esterna



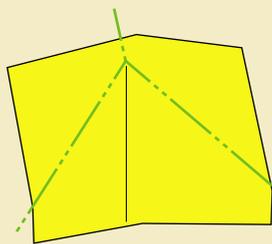
2

Una piega a valle



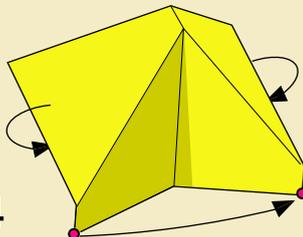
3

Ripiegate con piega a monte sulla medesima traccia



4

Aprite e rovesciate il verso della piega

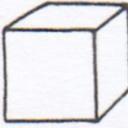
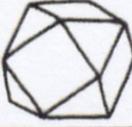
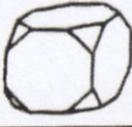
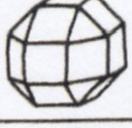
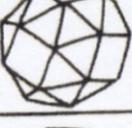
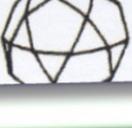


Richiudete

5

Piega rovescia esterna ultimata

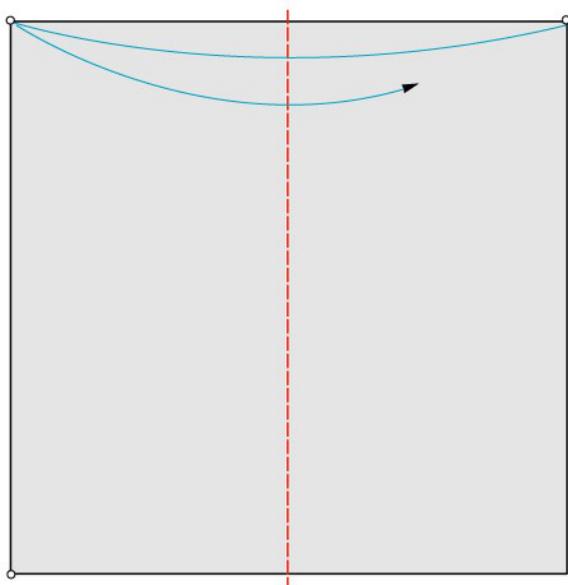
6

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
UBOTTAEDRO		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

BRACCIALETTO "A"

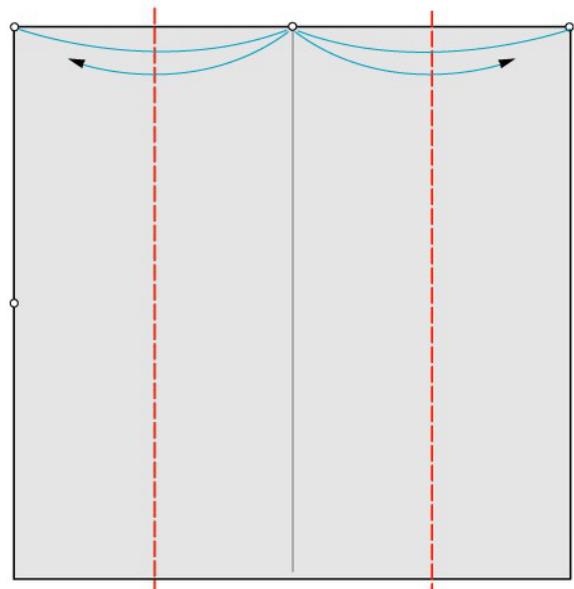
Franco Pavarin 24

Adoperate fogli leggeri monocolori o bicolori delle dimensioni di cm 6x6



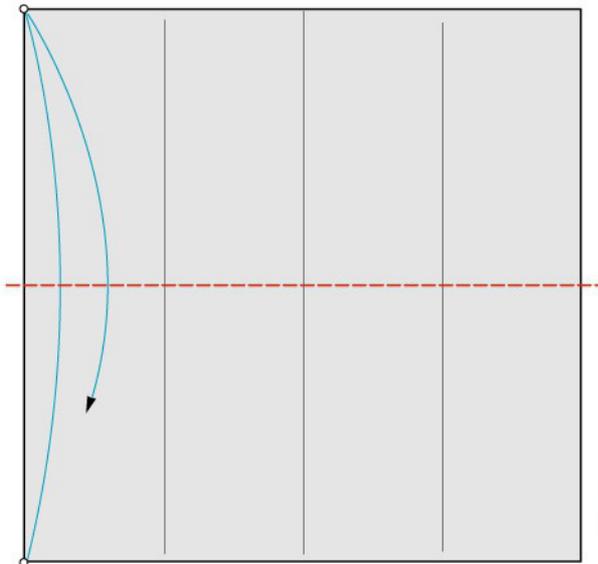
1 piega a valle

1

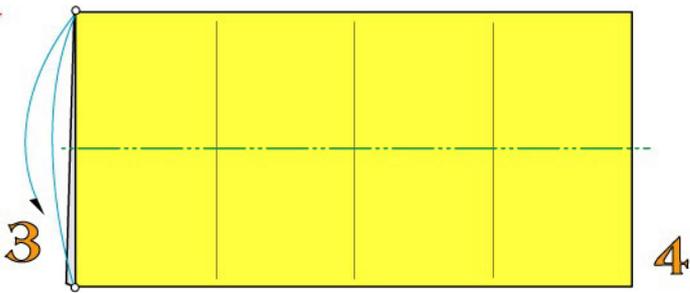


2 pieghe a valle

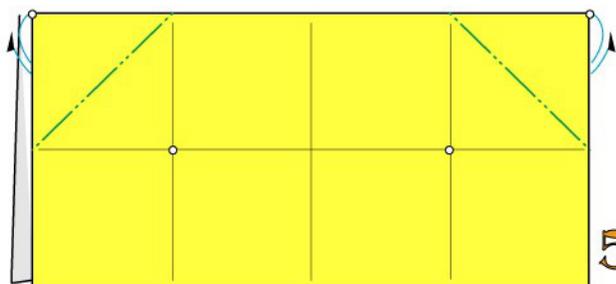
2



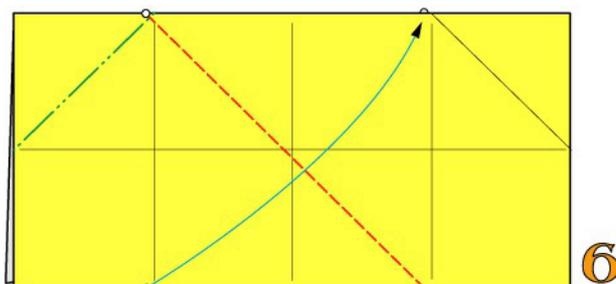
1 piega a valle



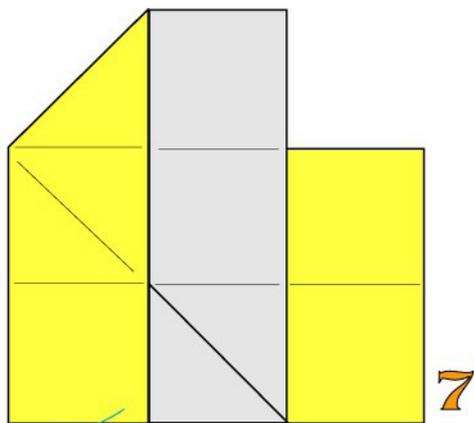
1 piega a monte



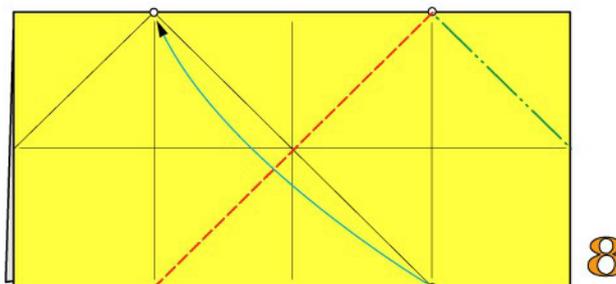
2 pieghe diagonali a monte



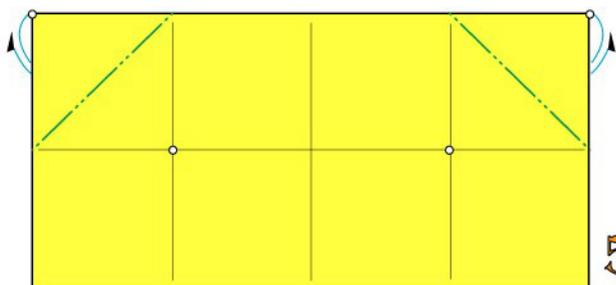
1 piega a valle solo sulla superficie in vista e ripiegate a monte



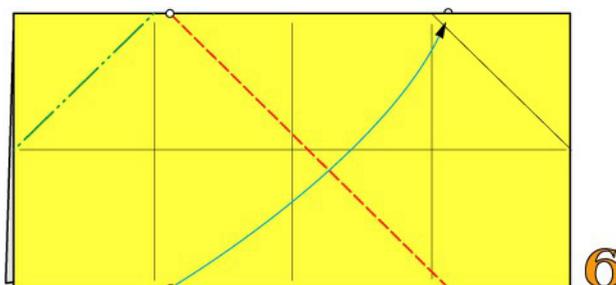
Riportate alla posizione della figura precedente



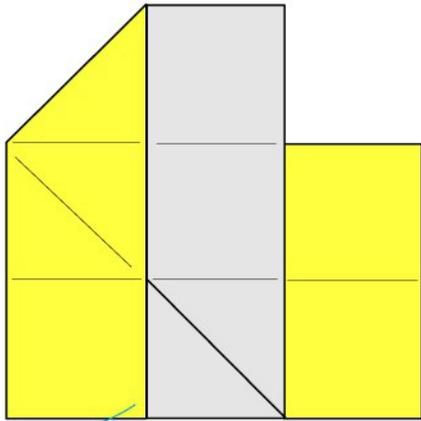
1 piega a valle solo sulla superficie in vista e ripiegate a monte



2 pieghe diagonali a monte

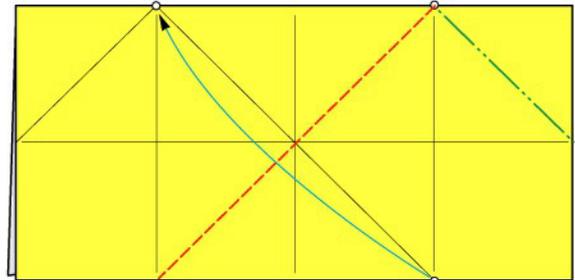


1 piega a valle solo sulla superficie in vista e ripiegate a monte



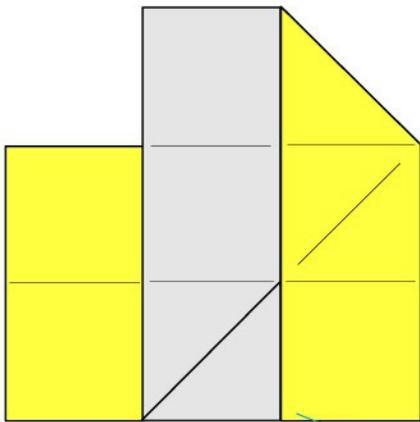
7

Riportate alla posizione della figura precedente



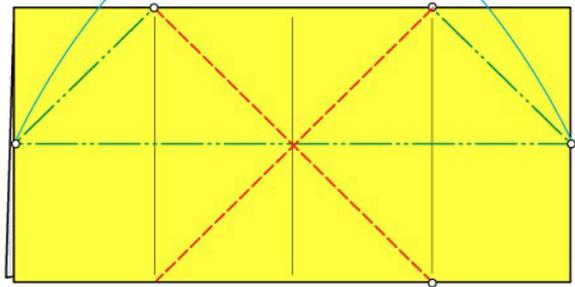
8

1 piega a valle solo sulla superficie in vista e ripiegate a monte



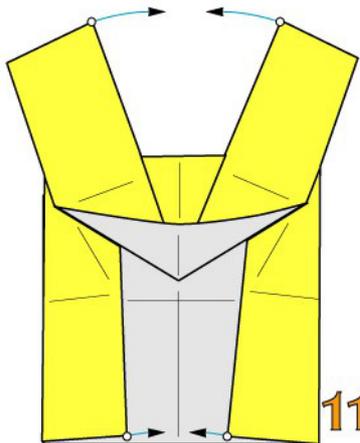
9

Riportate alla posizione della figura precedente

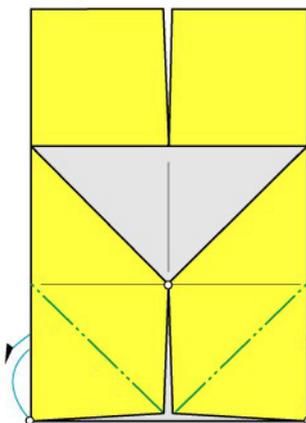


10

Ripiegate a valle e a monte

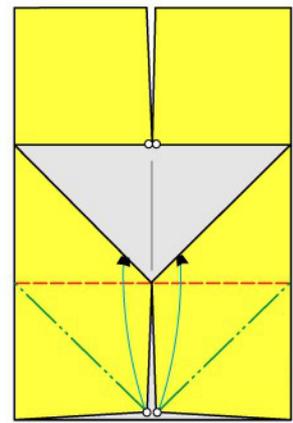


11



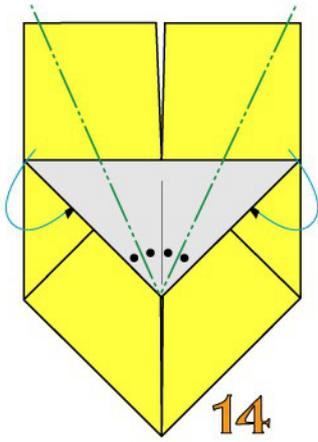
12

2 pieghe diagonali a monte



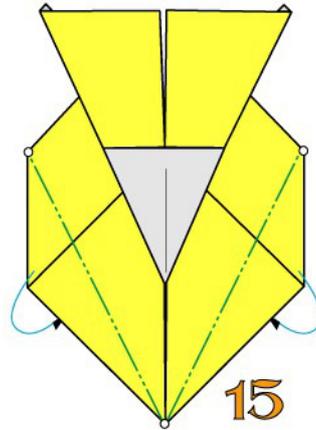
13

Ripiegate a valle e a monte



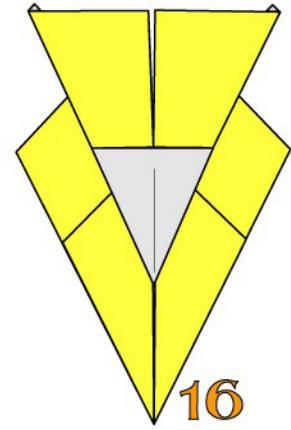
14

2 pieghe bisettrici a monte



15

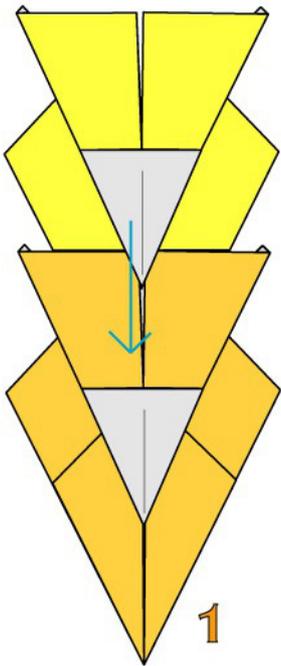
2 pieghe a monte



16

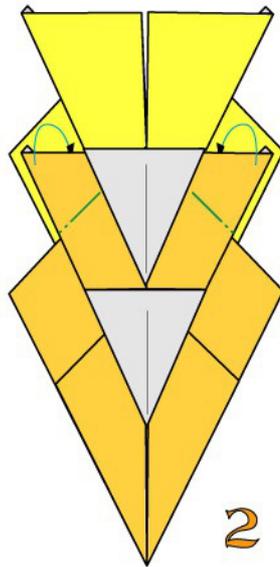
Modulo per braccialetto "A" ultimato

UNIONE DEI MODULI



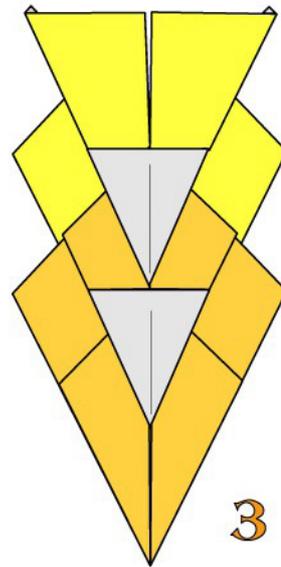
1

Inserite un modulo nell'altro



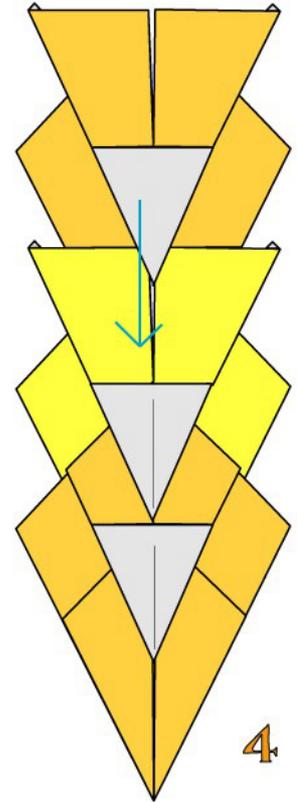
2

con 2 pieghe a monte
intascate e bloccate l'unione



3

Unione completata



4

Aggiungete un altro modulo

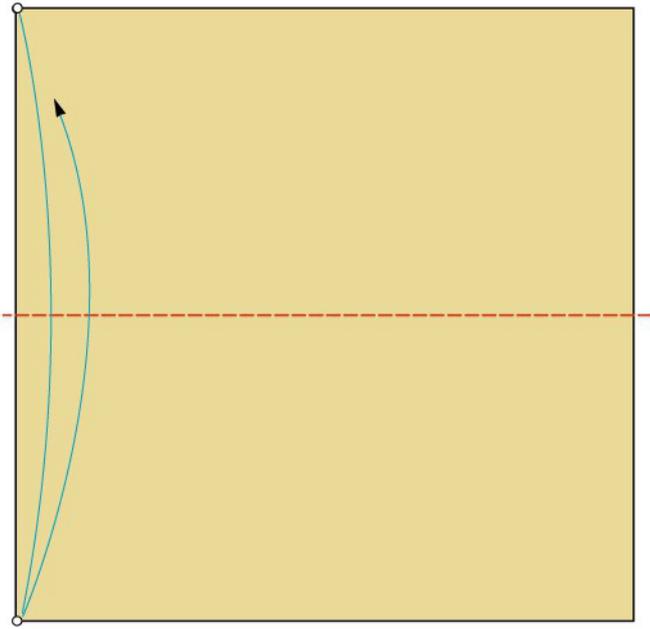
GHIRLANDA "A"

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Sono necessari 4 fogli bicolori leggeri delle dimensioni di cm 7,5 x7,5

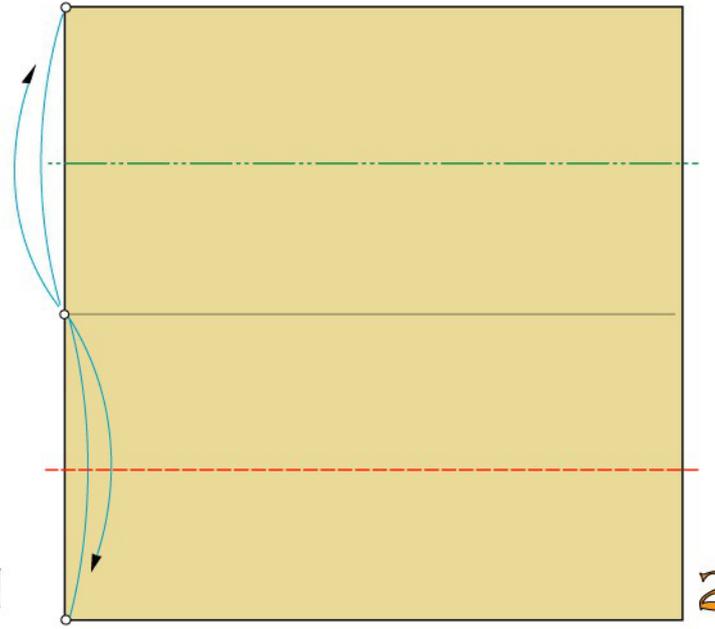


MODULO PER GHIRLANDA "A7" CHIUSO



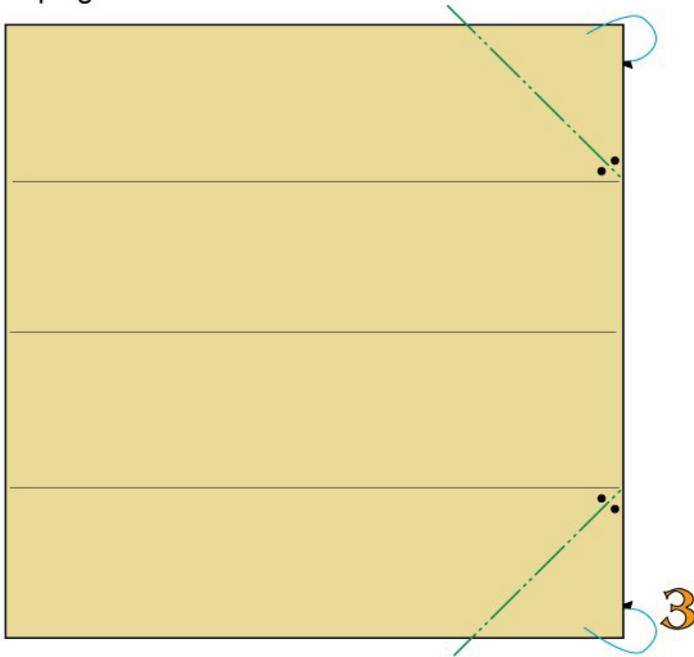
1

1 piega a valle



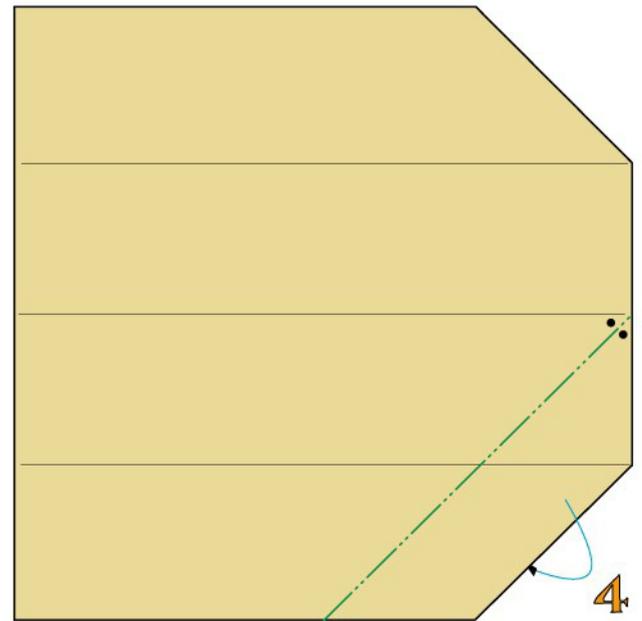
2

1 piega a valle e 1 a monte



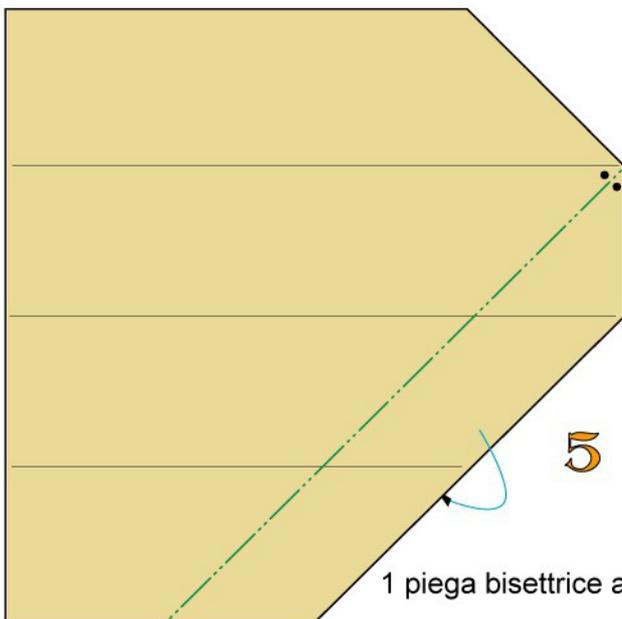
3

2 pieghe bisettrici a monte



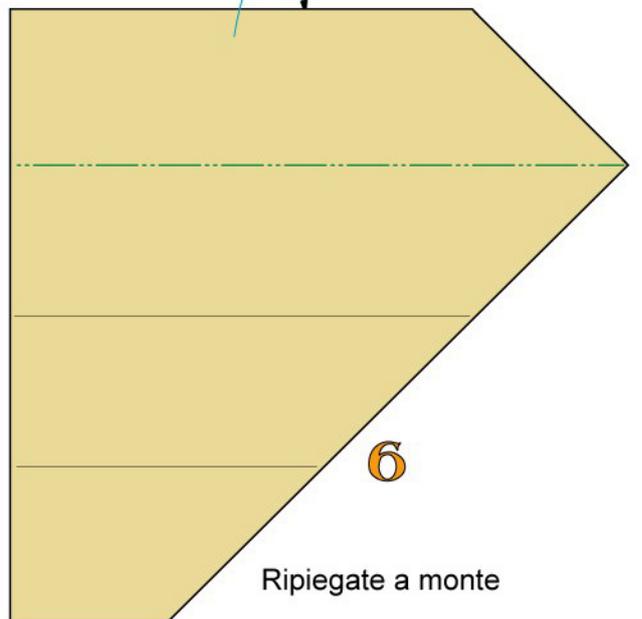
4

1 piega bisettrice a monte



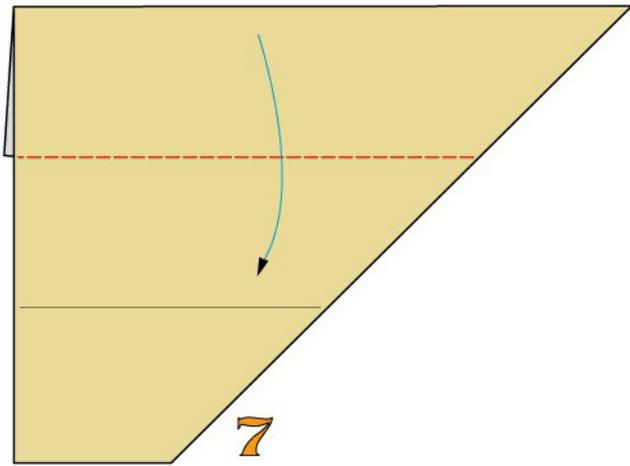
5

1 piega bisettrice a monte

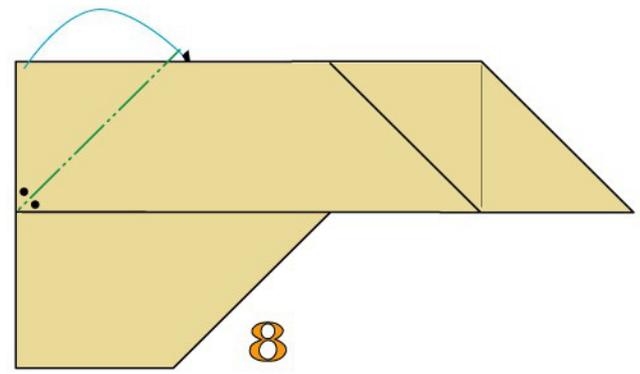


6

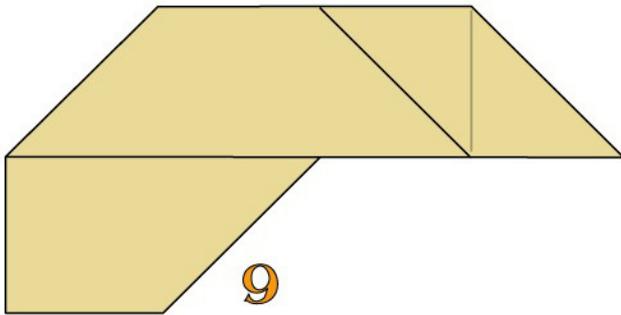
Ripiegate a monte



Ripiegate a valle

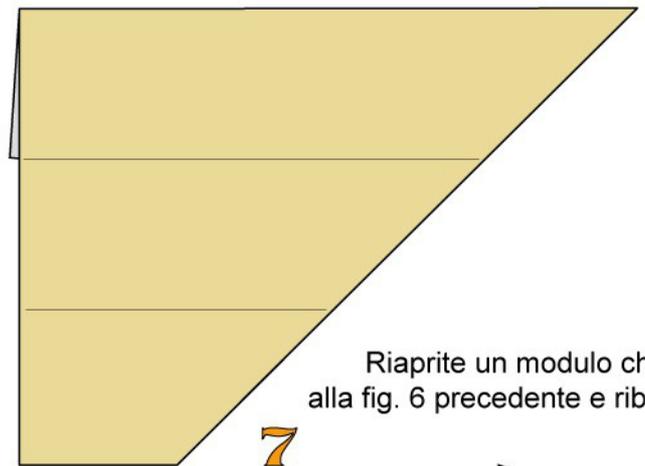


1 piega bisettrice a monte

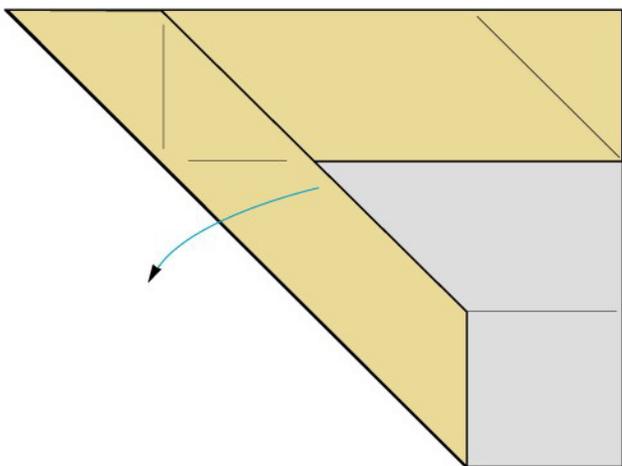


Modulo per ghirlanda "A7" chiuso ultimato

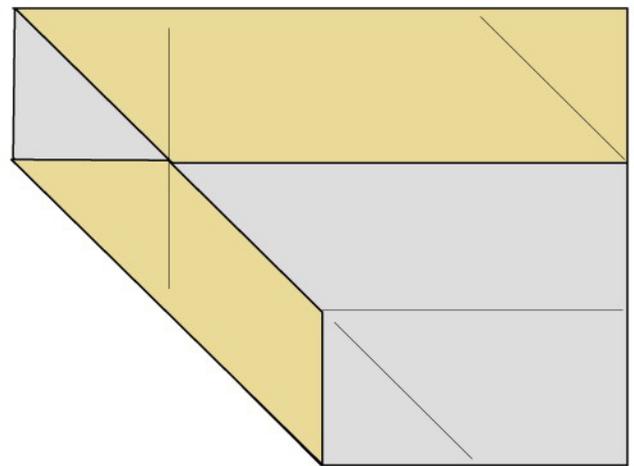
MODULO PER GHIRLANDA "A7" APERTO



Riaprite un modulo chiuso alla fig. 6 precedente e ribaltate

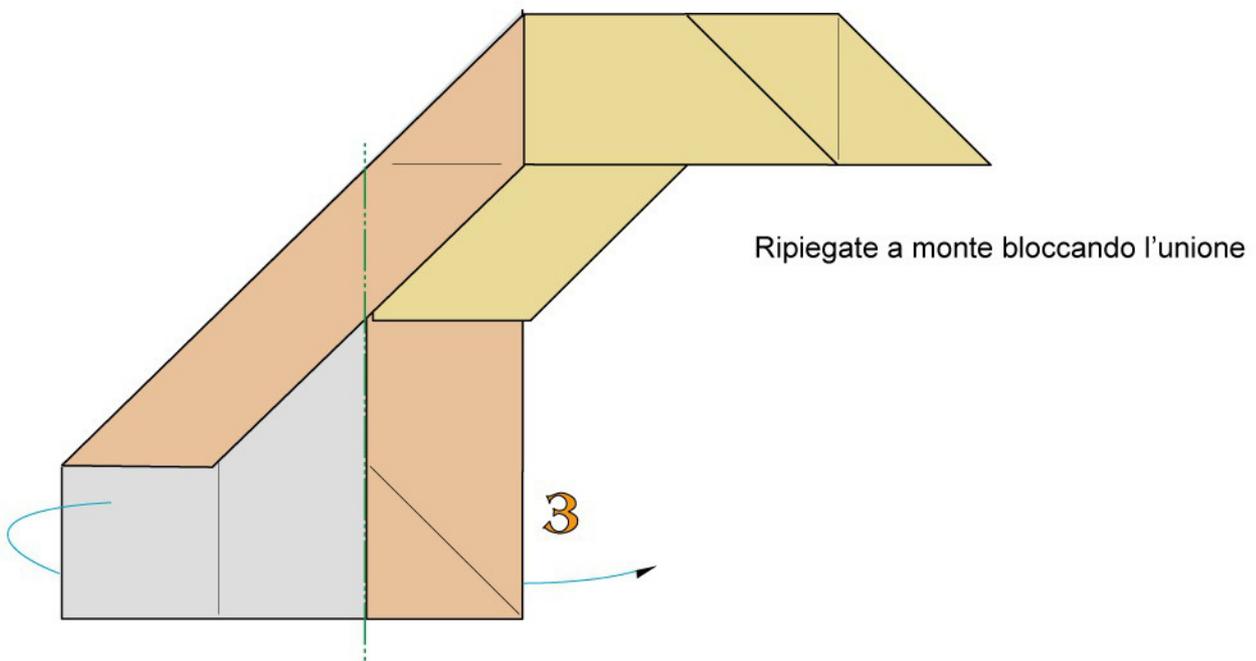
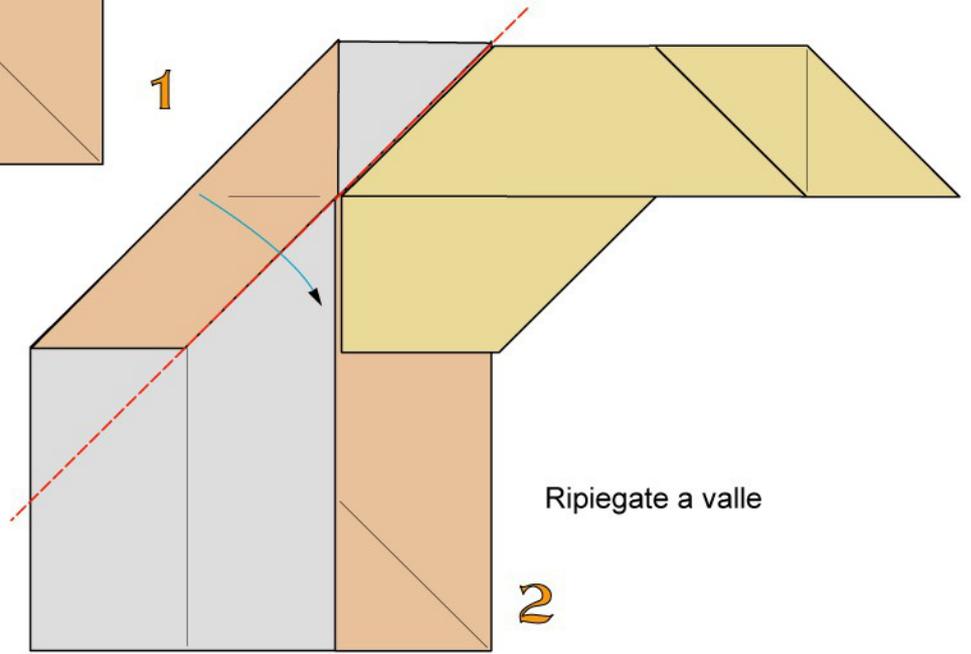
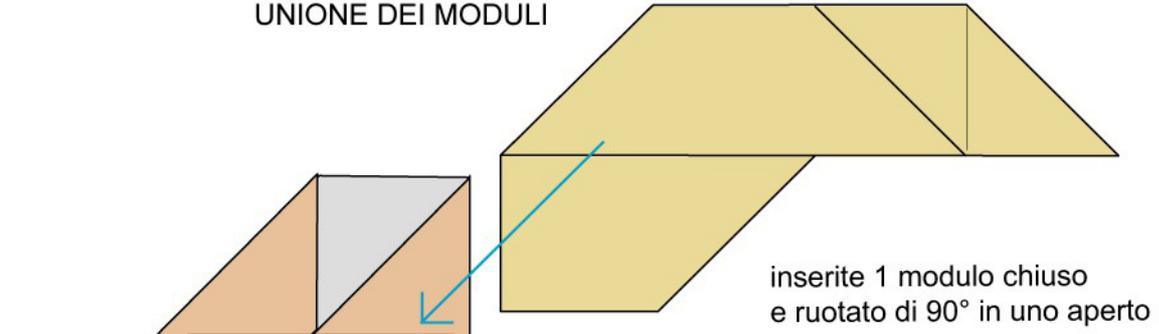


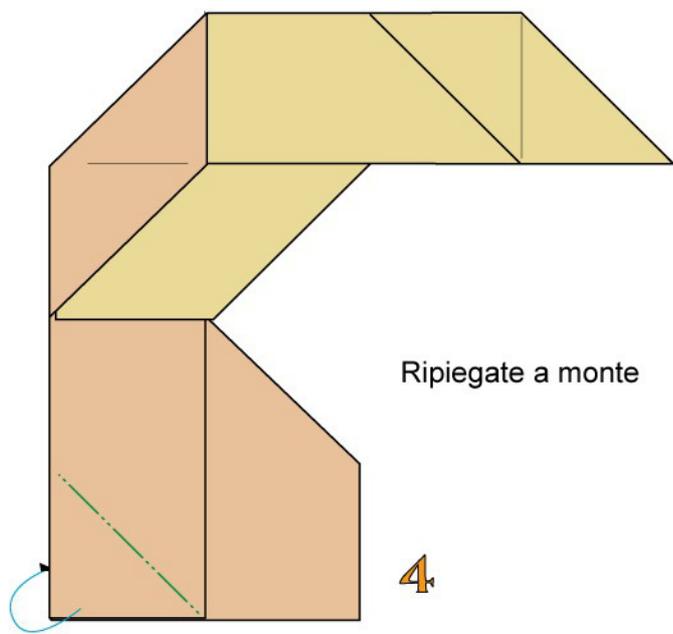
Riaprite



Modulo per ghirlanda "A7" aperto ultimato

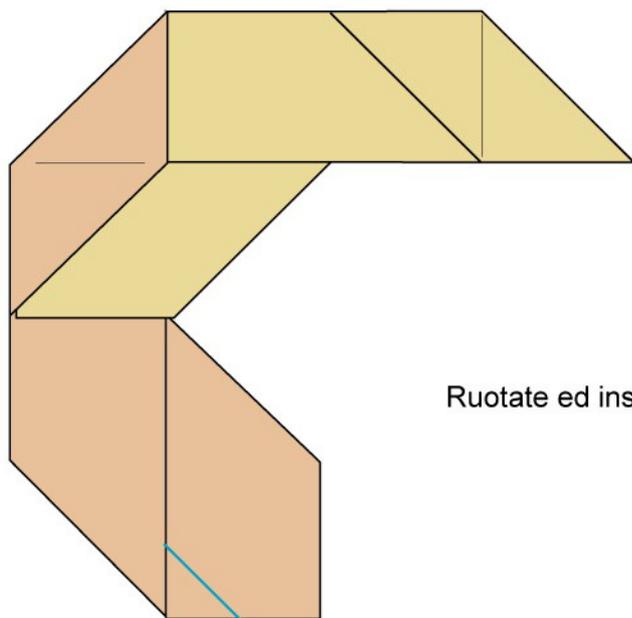
UNIONE DEI MODULI



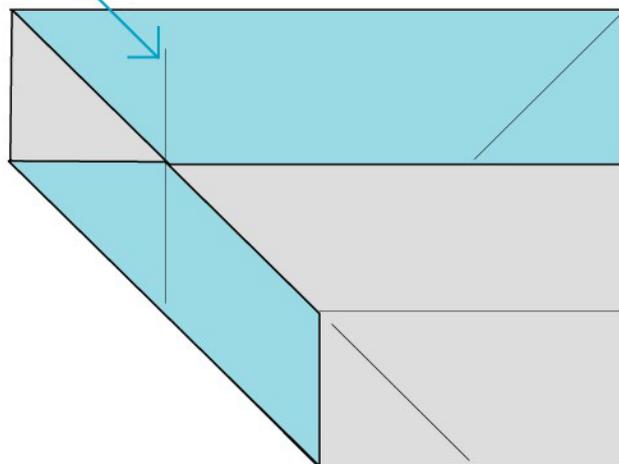


Ripiegate a monte

4



Ruotate ed inserite un nuovo modulo



GHIRLANDA "B"

Franco Pavarin 24

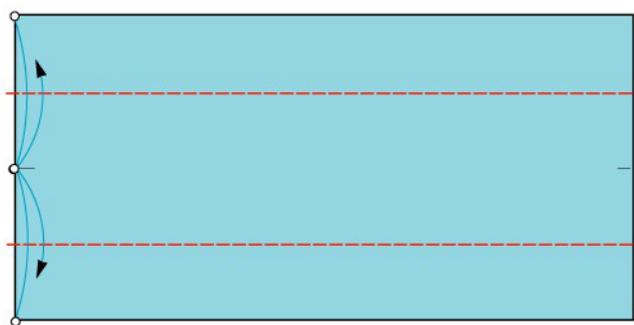
Sono necessari 8 fogli bicolori leggeri delle dimensioni di cm 10x5





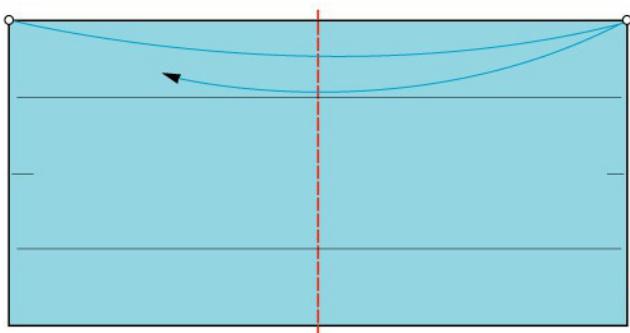
1

2 pieghe a valle



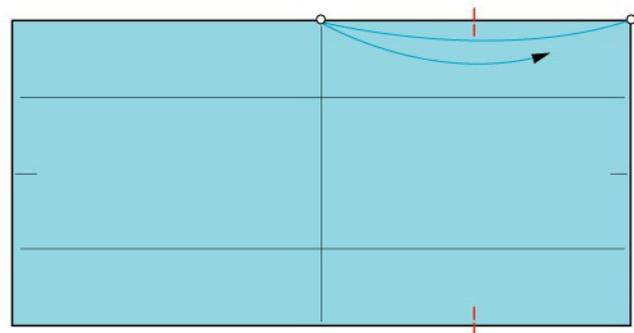
2

2 pieghe a valle



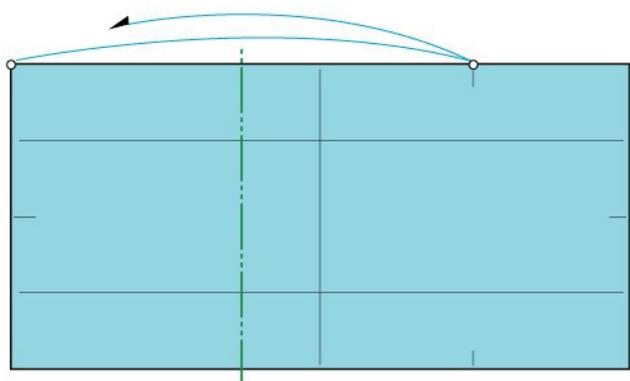
3

1 piega a valle



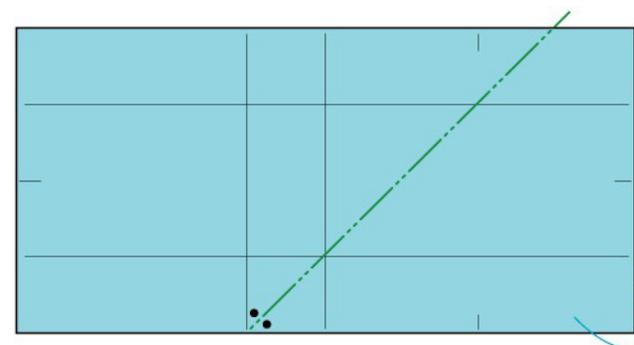
4

2 pieghe a valle



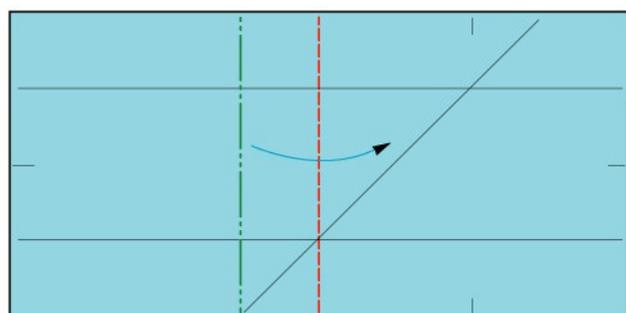
5

1 piega a monte



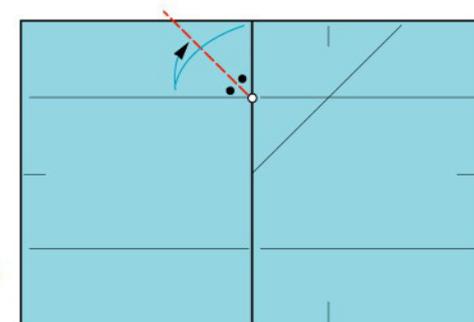
6

1 piega bisettrice a monte



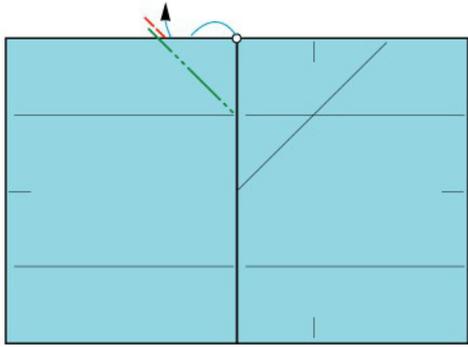
7

Ripiegate a valle e a monte



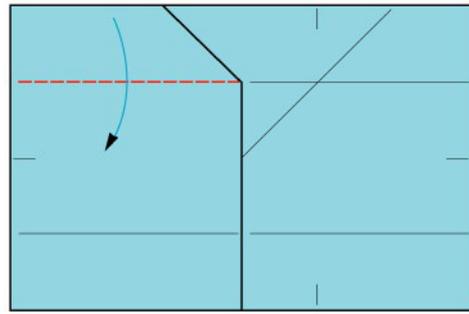
8

1 piega bisettrice a valle



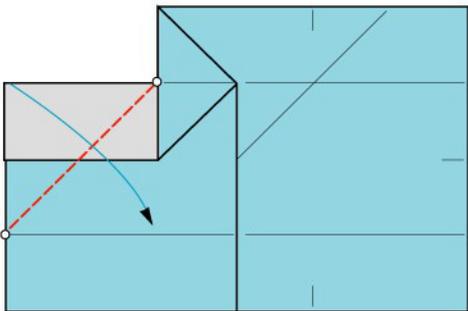
9

1 piega rovescia interna



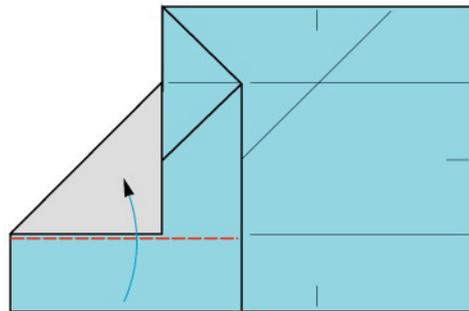
10

Ripiegate a valle e a monte



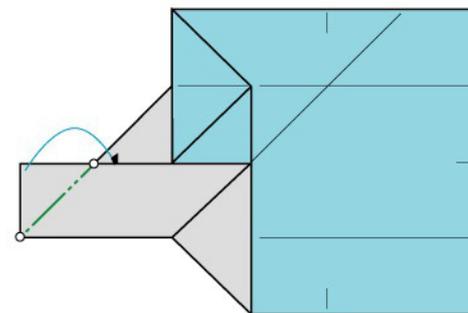
11

1 piega diagonale a valle



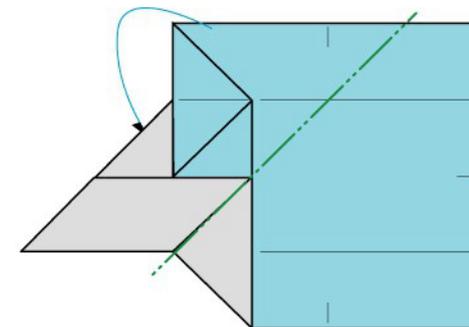
12

1 piega a valle e 1 a monte interne e ripiegate a valle



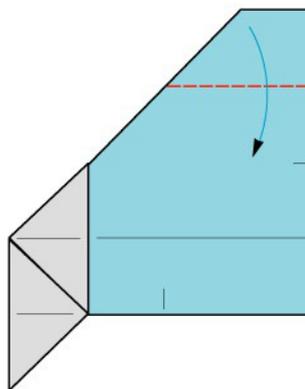
13

1 piega a monte e intascate



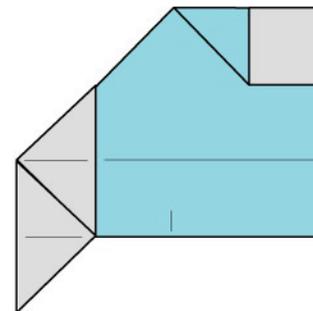
14

1 piega a monte



15

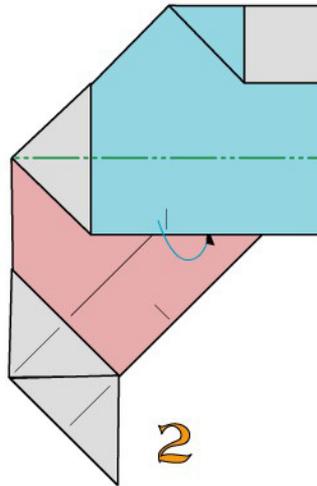
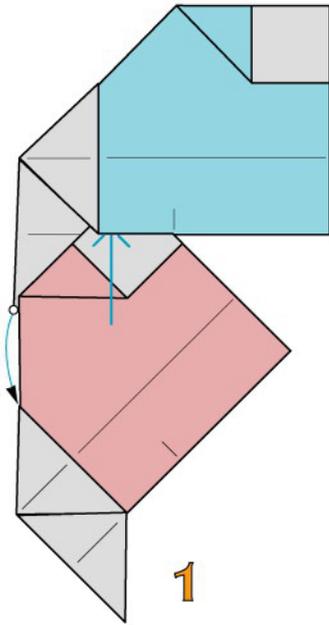
Ripiegate a valle



16

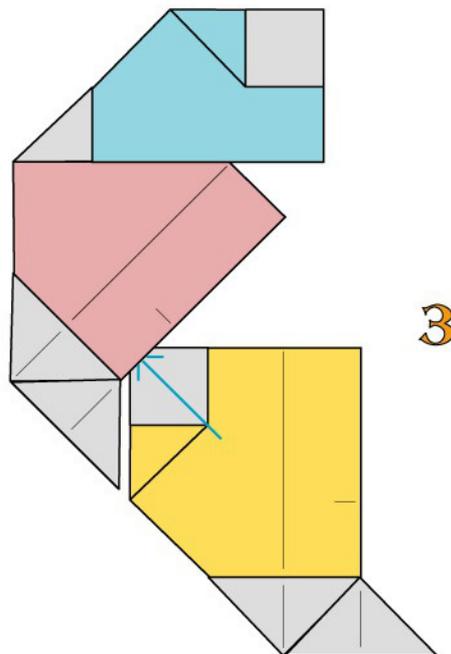
Modulo per ghirlanda "B7" ultimato

UNIONE DEI MODULI



Ripiegate a monte bloccando l'unione

inserie 1 modulo ruotato di 45° in un altro.
Contemporaneamente intascate il vertice indicato

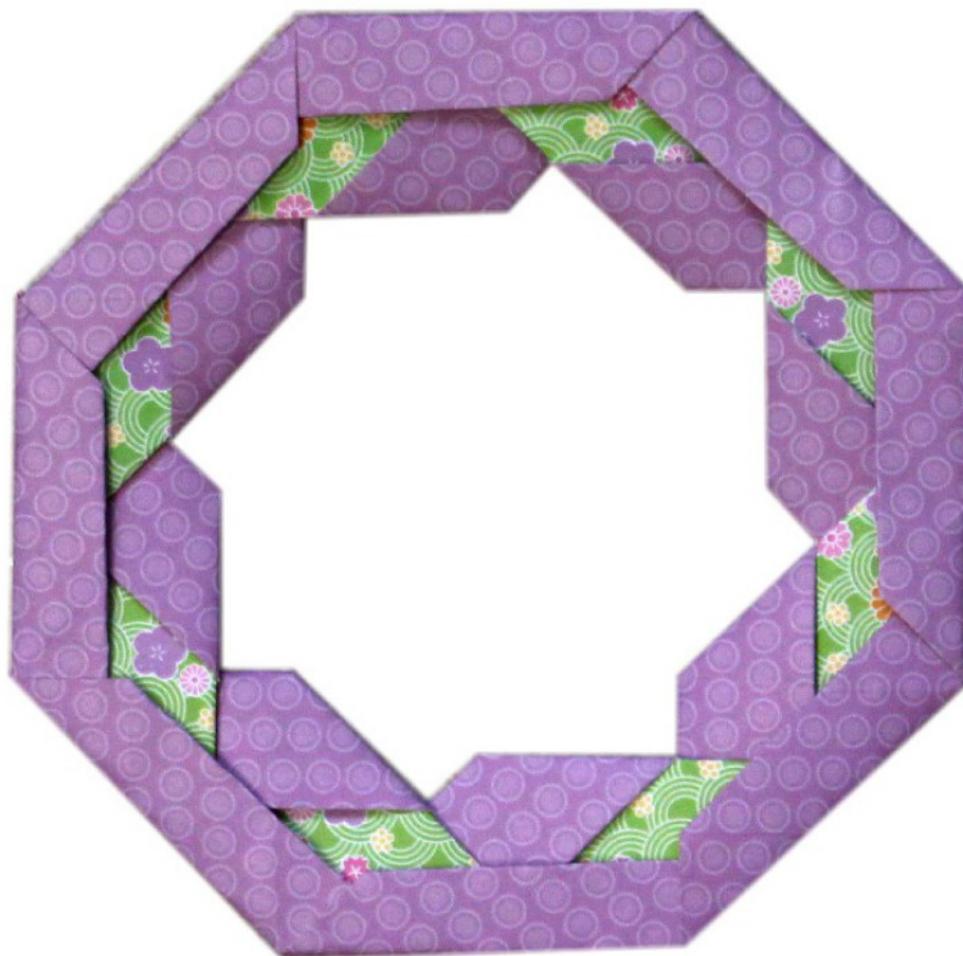


Inserie un nuovo modulo ruotato di 45°

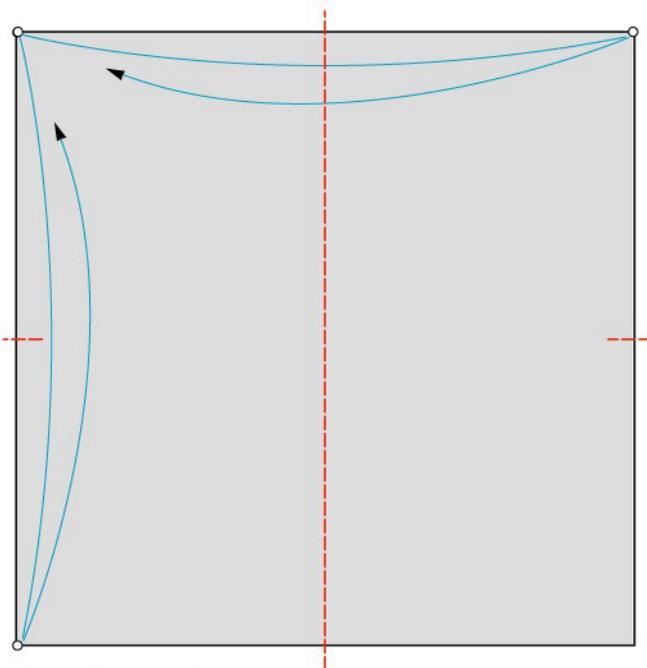
GHIRLANDA "C"

Franco Pavarin 24

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

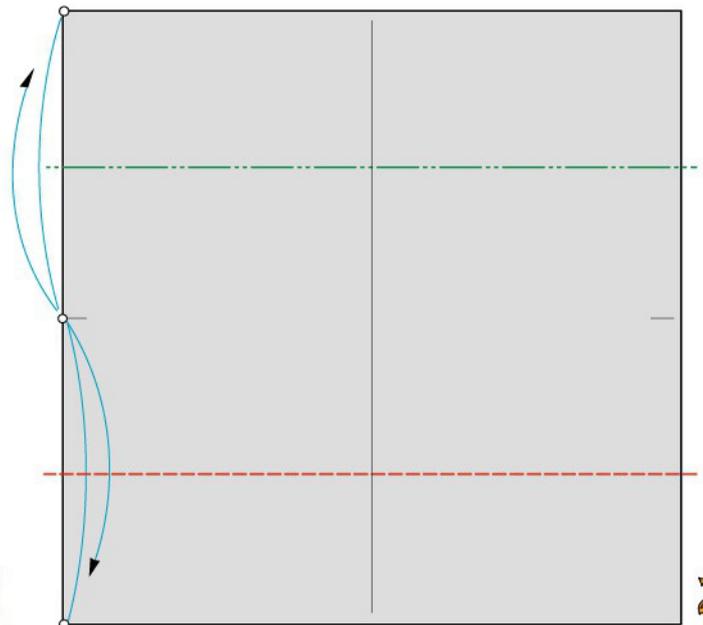


MODULO PER GHIRLANDA "A7" CHIUSO



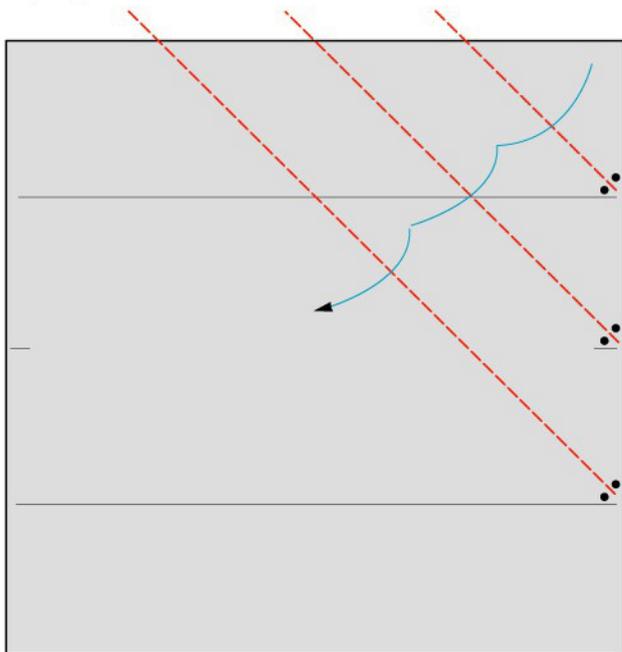
3 pieghe a valle

1



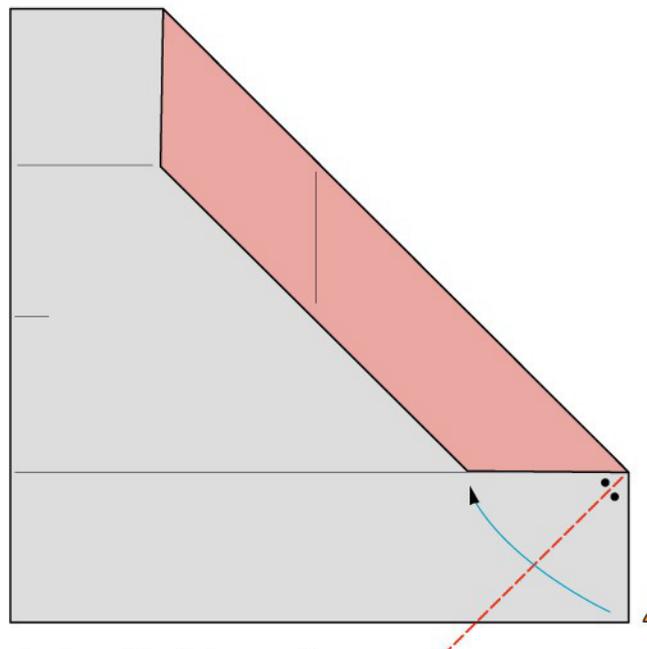
1 piega a valle e 1 a monte

2



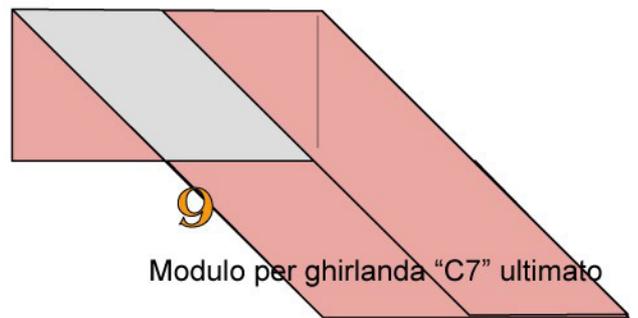
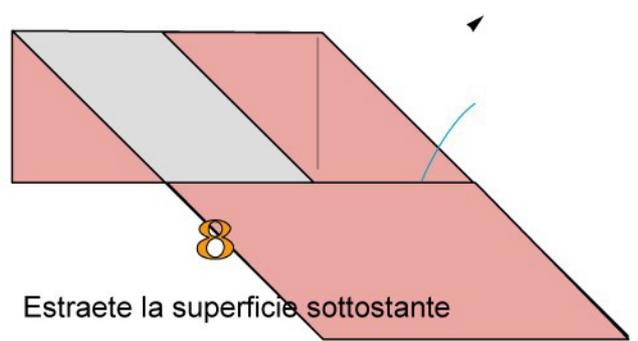
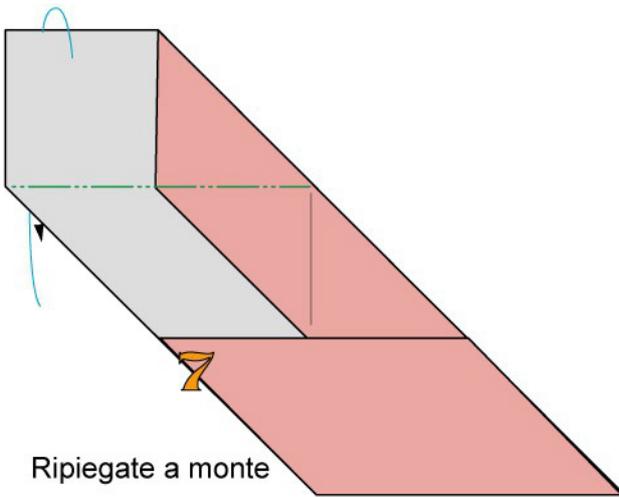
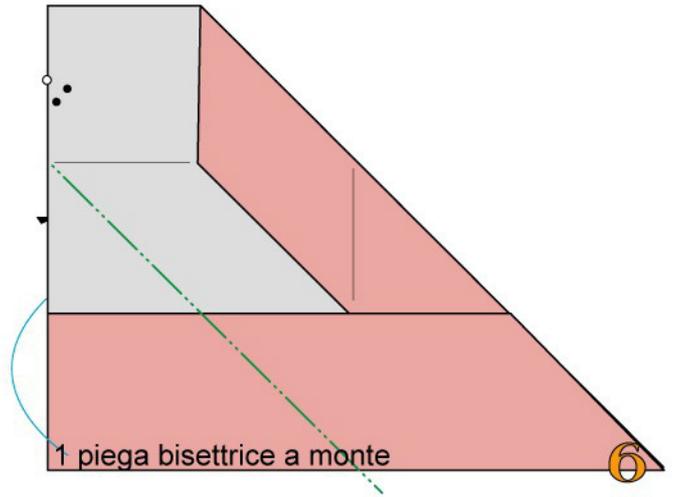
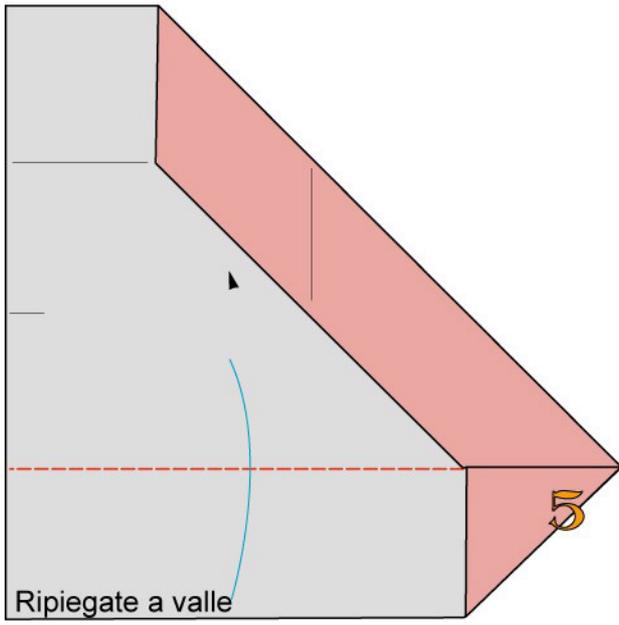
3 pieghe bisettrici a valle

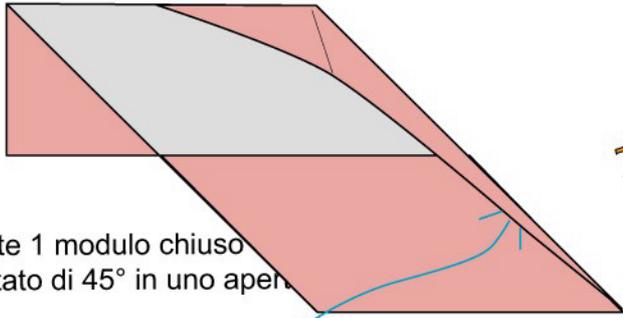
3



1 piega bisettrice a valle

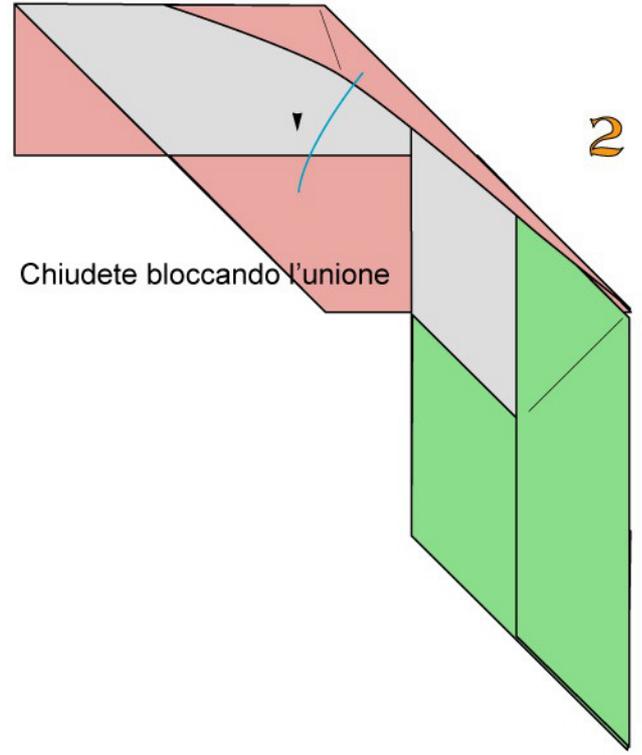
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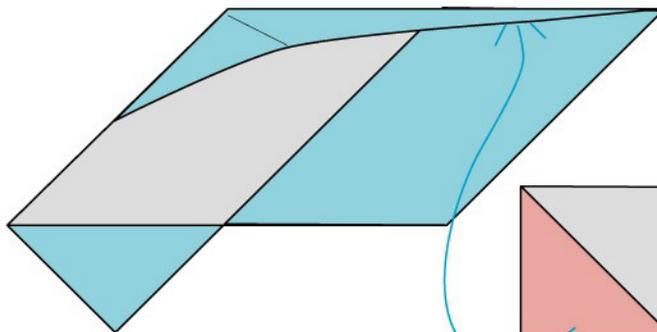
1

inserie 1 modulo chiuso
e ruotato di 45° in uno apert.



2

Chiudete bloccando l'unione



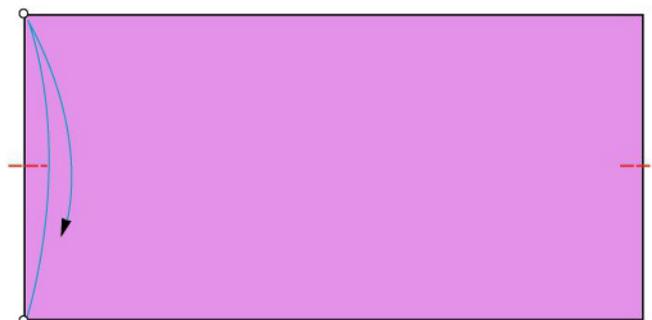
3

Ruotate ed inserite un nuovo modulo

GHIRLANDA "D"

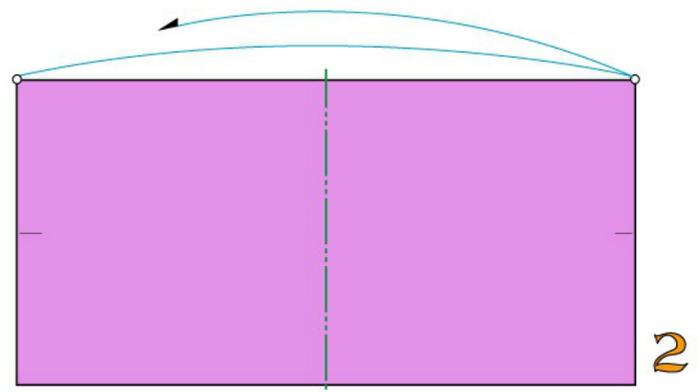
Franco Pavarin 24

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



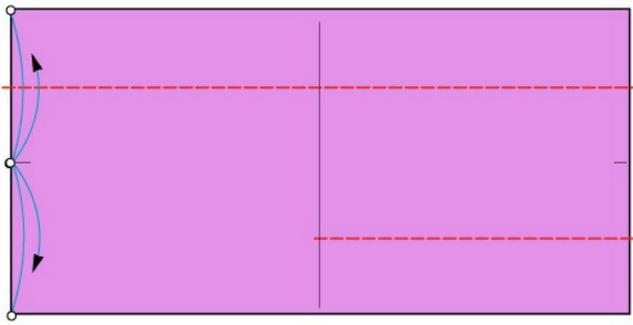
2 pieghe a valle

1



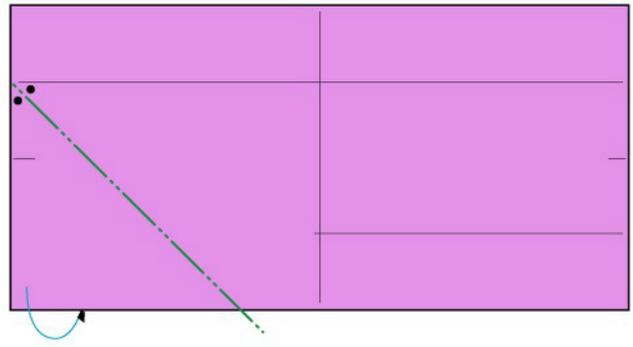
2

1 piega a monte



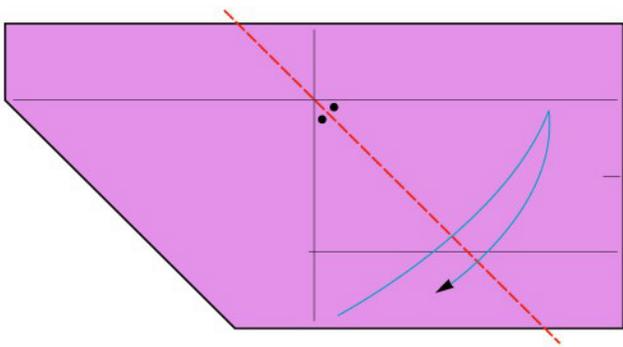
2 pieghe a valle

3



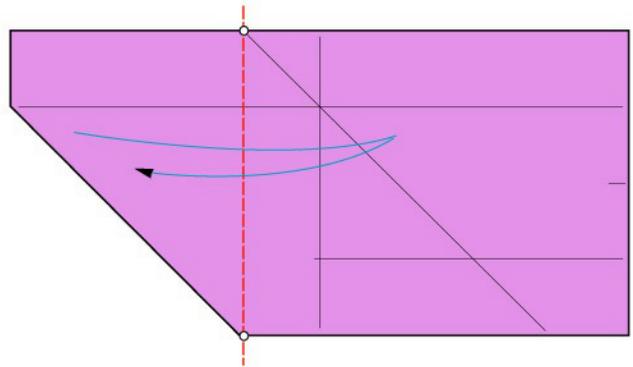
1 piega bisettrice a monte

4



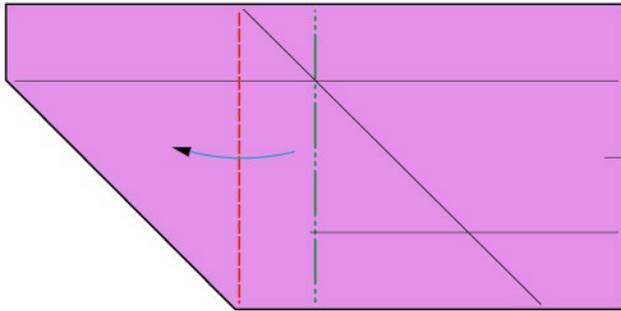
1 piega bisettrice a valle

5



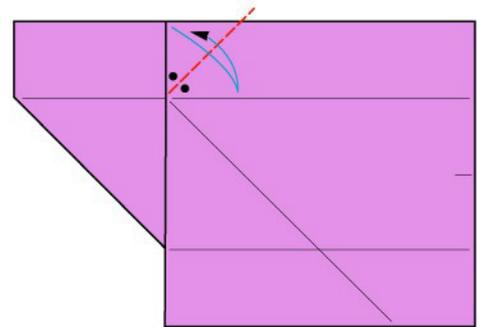
1 piega a valle

6



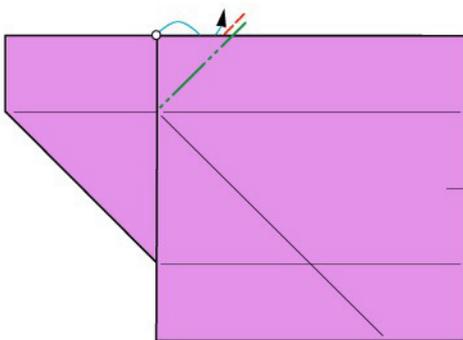
Ripiegate a valle e a monte

7



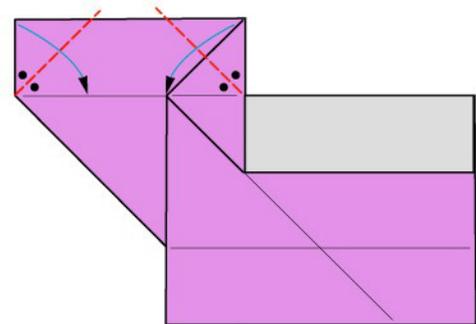
1 piega bisettrice a valle

8



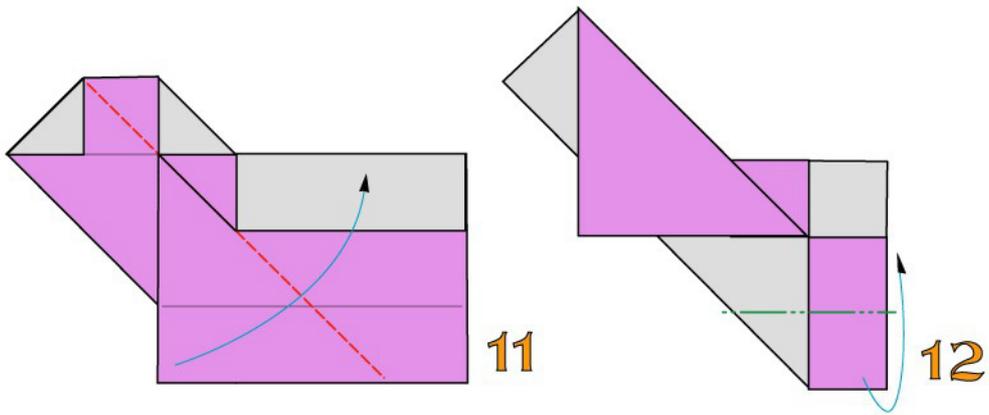
1 piega rovescia interna

9



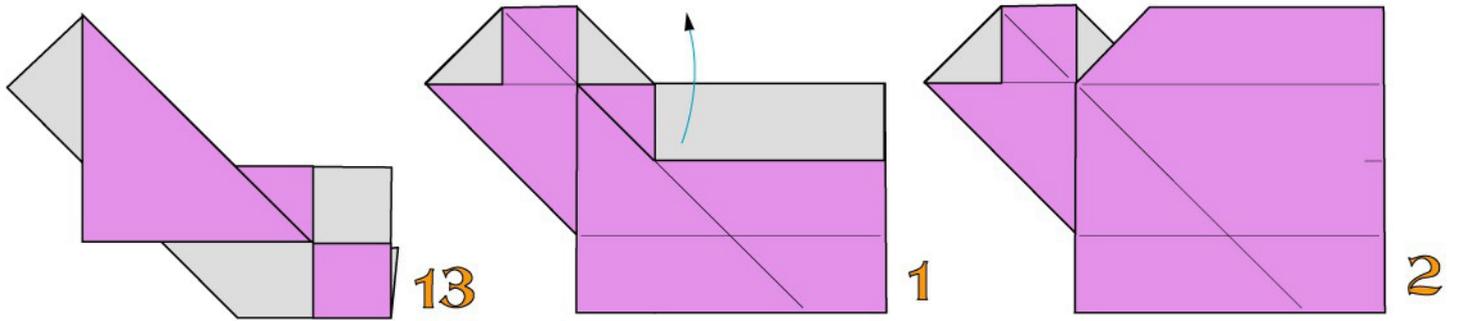
2 pieghe bisettrici a valle

10



Ripiegate a valle

Ripiegate a monte

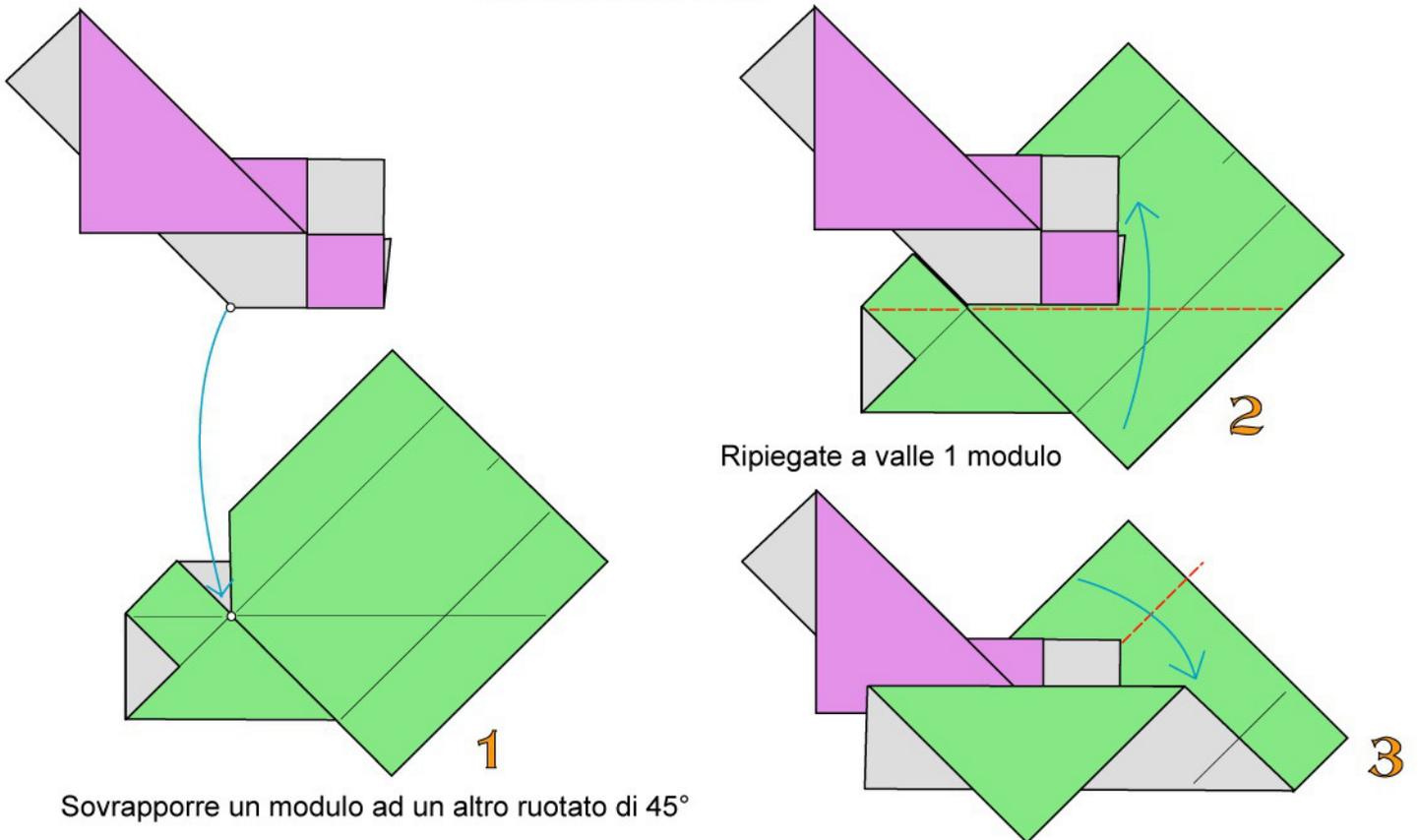


Modulo per ghirlanda "D7"
ultimato chiuso

Riaprite il modulo

Modulo per ghirlanda "D7"
ultimato aperto

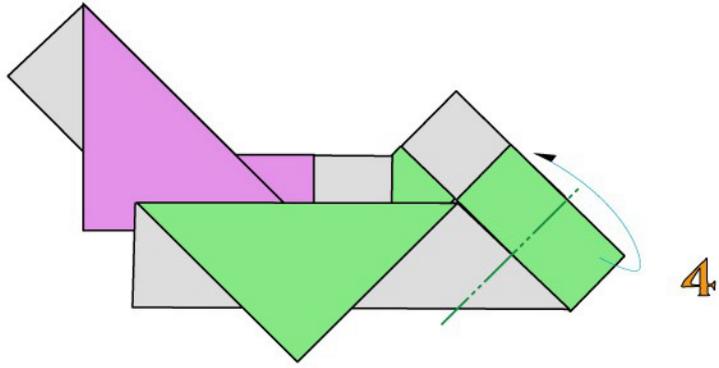
UNIONE DEI MODULI



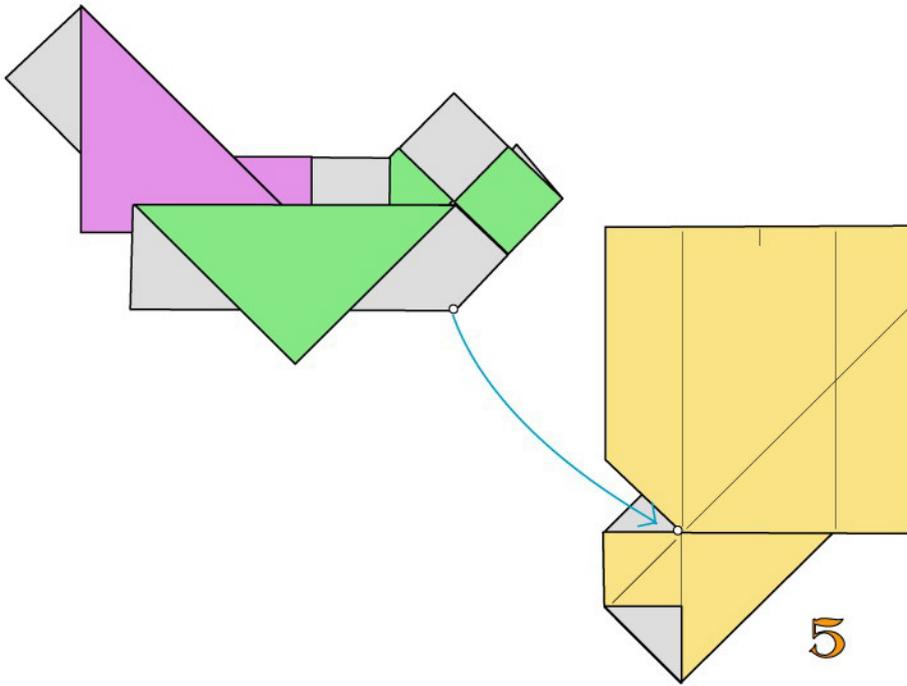
Sovrapporre un modulo ad un altro ruotato di 45°

Ripiegate a valle 1 modulo

Ripiegate a valle 1 modulo bloccando l'altro



Ripiegate a monte



Sovrapponete a 1 nuovo modulo ruotato di 45°



Fate emergere i quadrati sottostanti



GIRANDOLA "A"

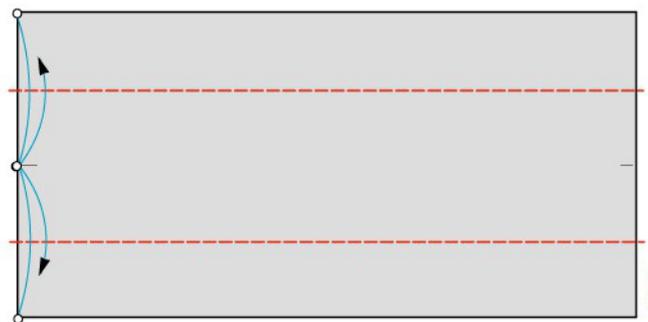
Franco Pavarin 24

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



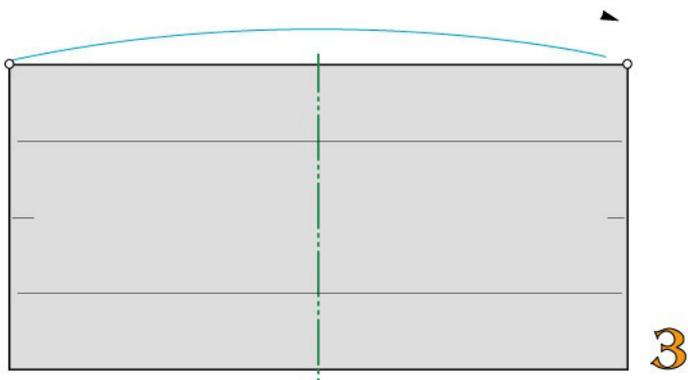
2 pieghe a valle

1



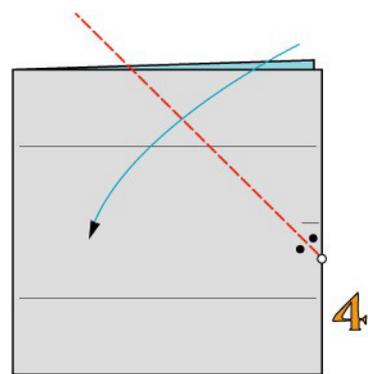
2 pieghe a valle

2



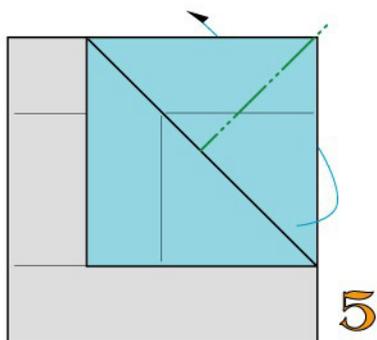
1 piega a monte

3



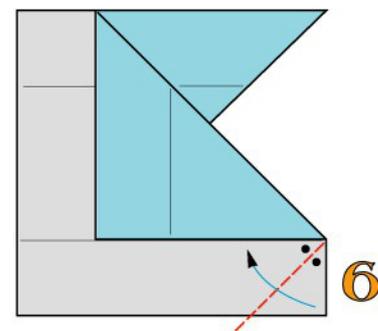
1 piega bisettrice a valle

4



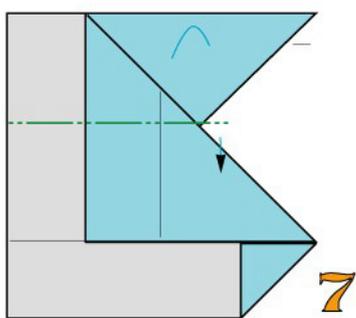
1 piega bisettrice a monte retrostante

5



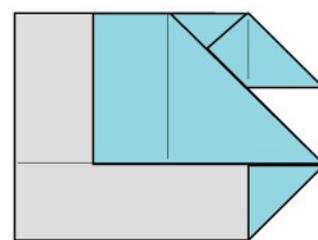
1 piega bisettrice a valle retrostante

6



Ripiegate a monte

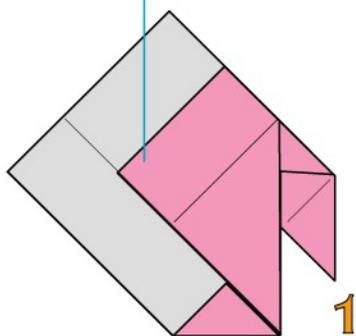
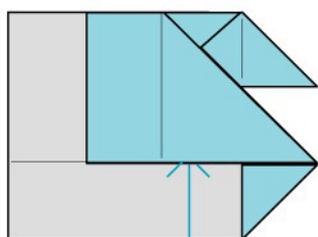
7



Modulo per girandola "A 7" ultimato

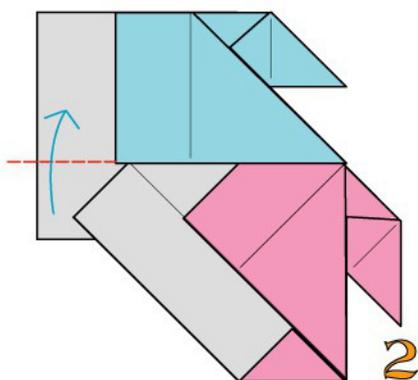
8

UNIONE DEI MODULI



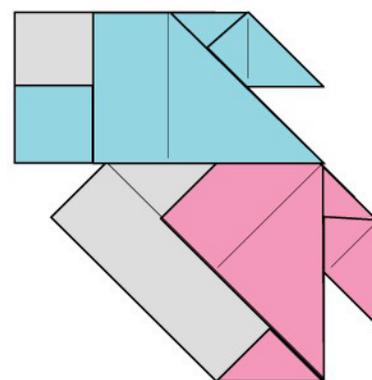
Inserite un modulo ruotato di 45° nell'altro

1



Ripiegando a valle bloccate l'unione

2



Unione di 2 moduli completata



Fate emergere i quadrati sottostanti

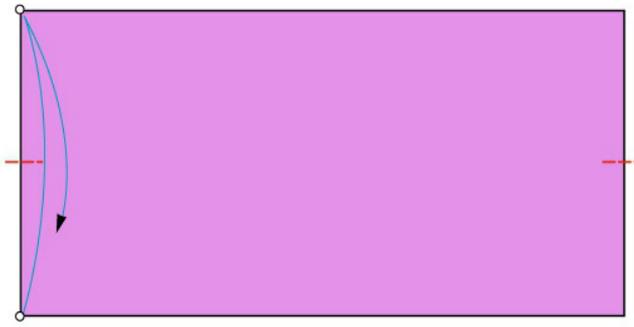


GIRANDOLA "B"

Franco Pavarin 24

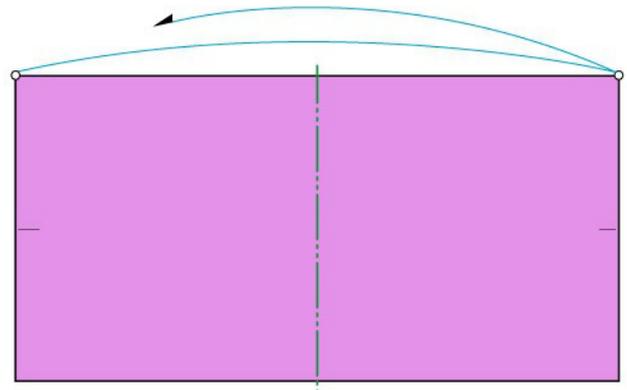
Sono necessari 8 fogli bicolori delle dimensioni di cm 10x5





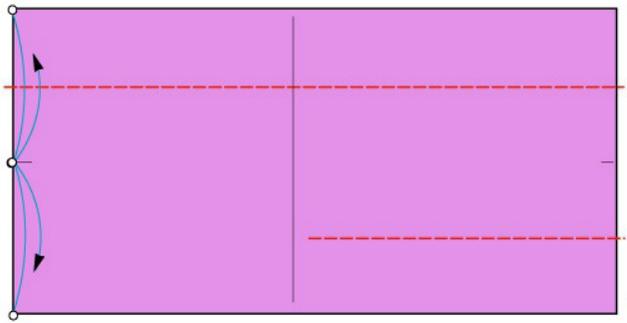
2 pieghe a valle

1



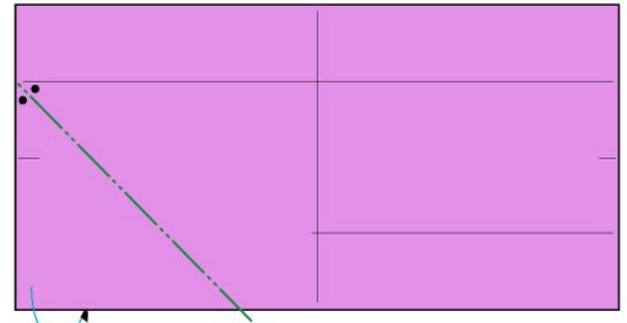
2

1 piega a monte



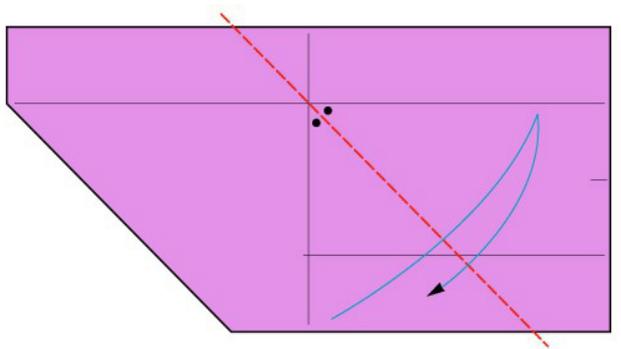
2 pieghe a valle

3



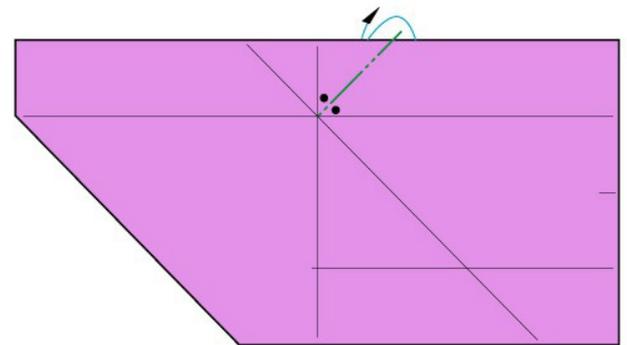
4

1 piega bisettrice a monte



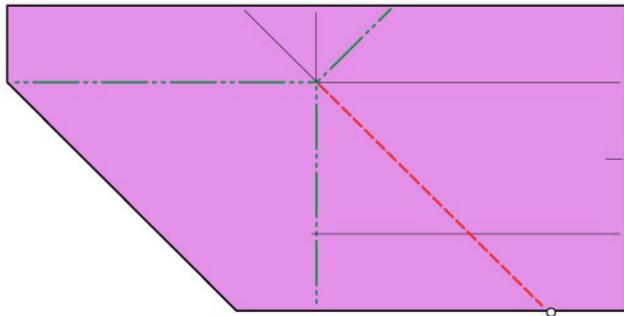
1 piega bisettrice a valle

5



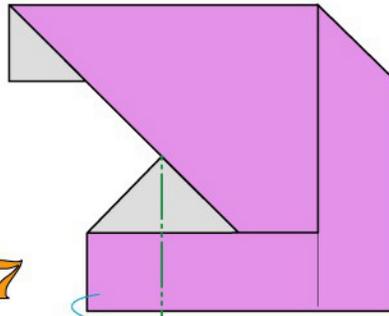
1 piega bisettrice a monte

6



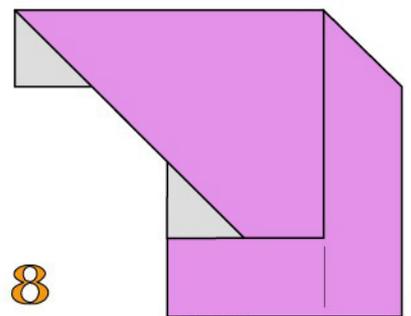
Ripiegate a valle e a monte

7



1 piega a monte

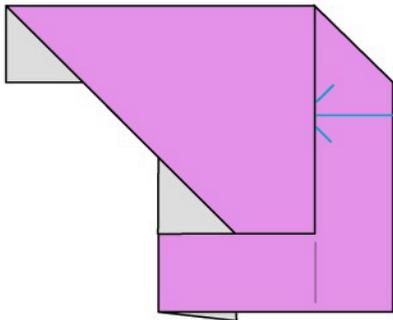
8



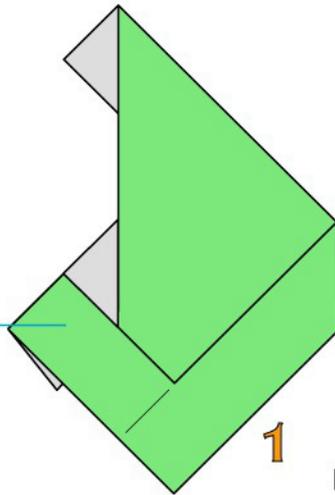
Modulo per girandola
"B7" ultimato

9

UNIONE DEI MODULI

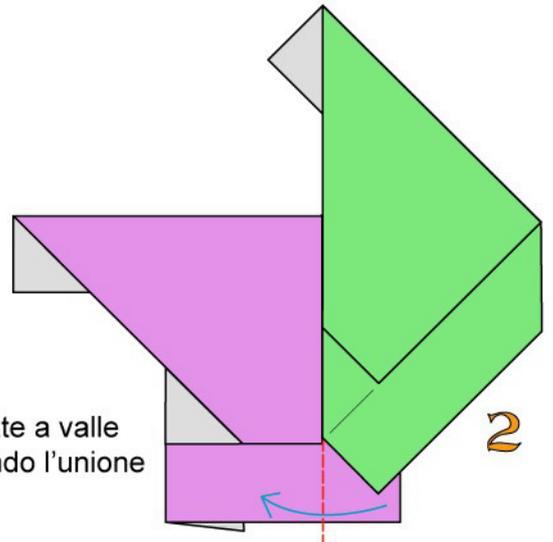


Inerite un modulo ruotato
di 45° in un altro



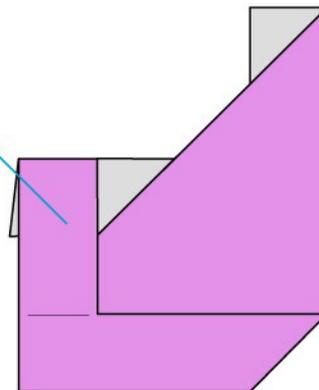
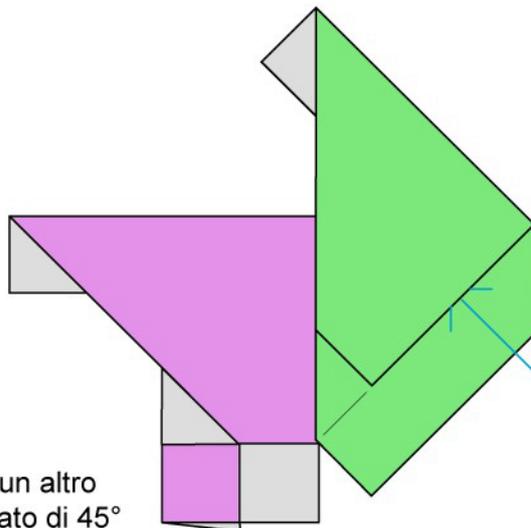
Ripiegate a valle
bloccando l'unione

1



2

Aggiungete un altro
modulo ruotato di 45°



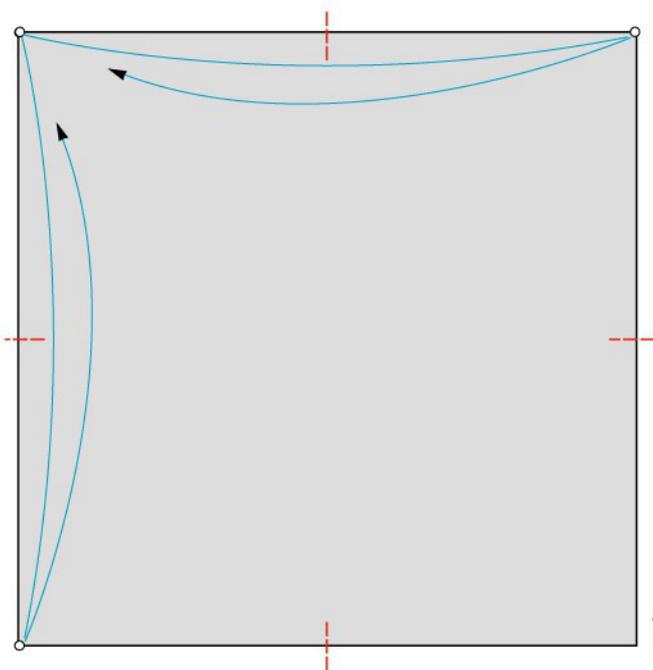
3

GIRANDOLA °C

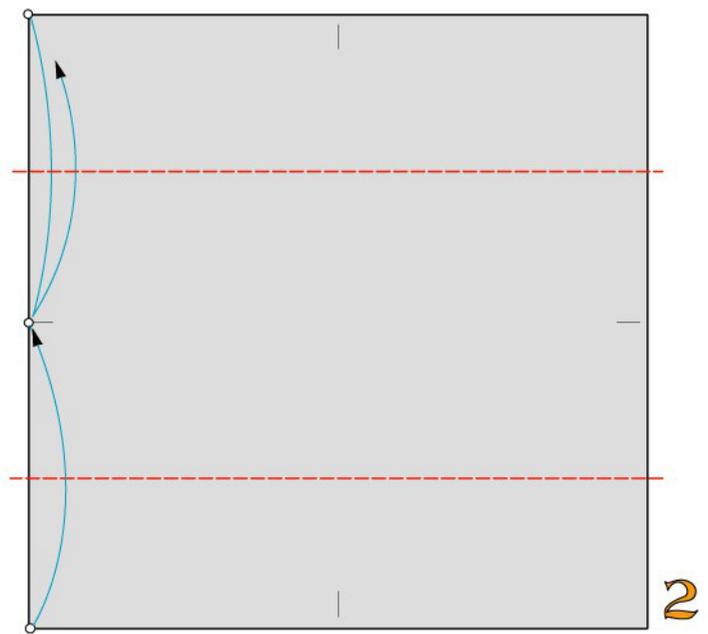
Franco Pavarin 24

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

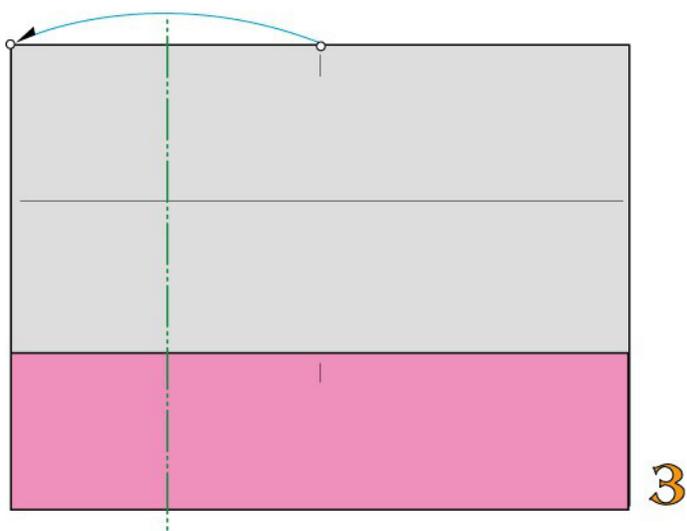




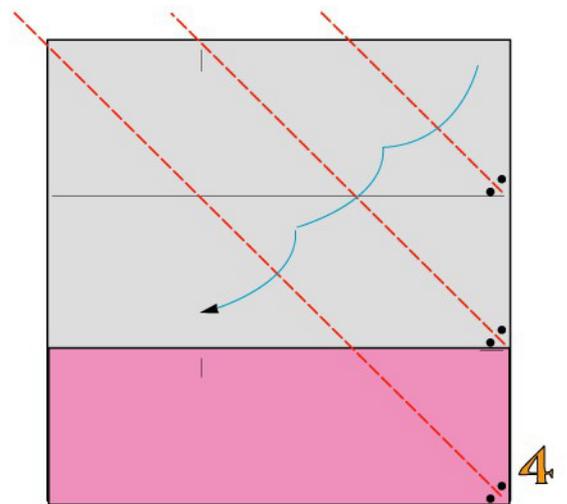
4 pieghe a valle



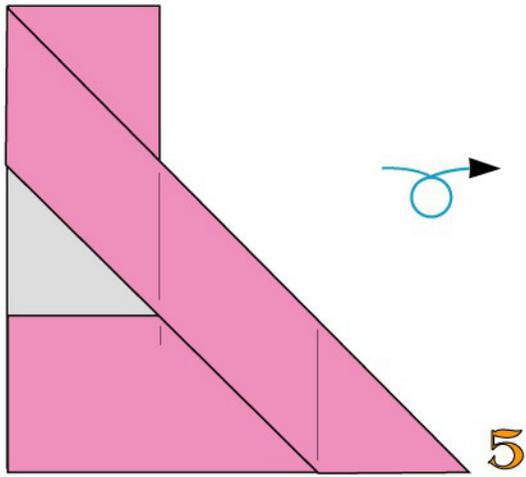
2 pieghe a valle



1 piega a monte

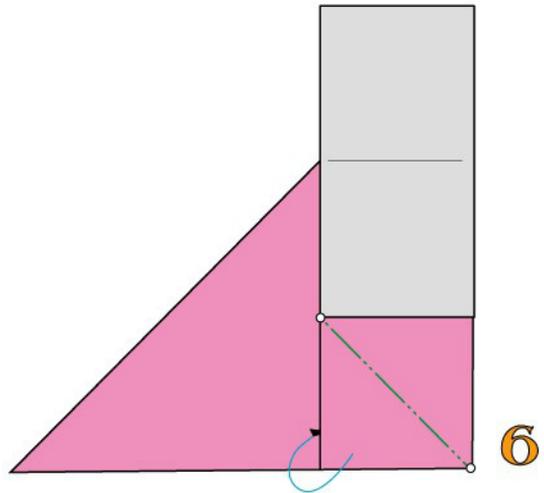


2 pieghe bisettrici a valle



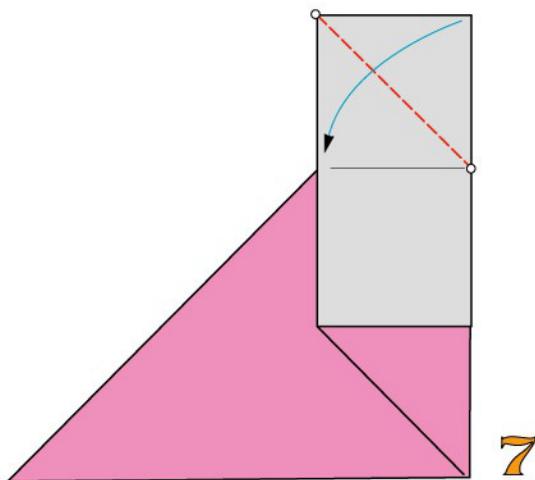
Ribaltate

5



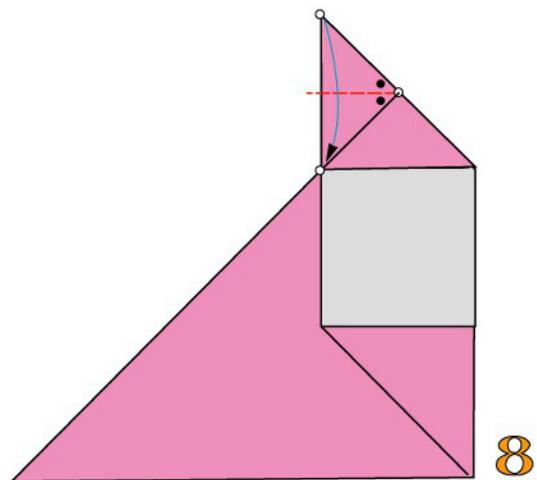
1 piega diagonale a monte

6



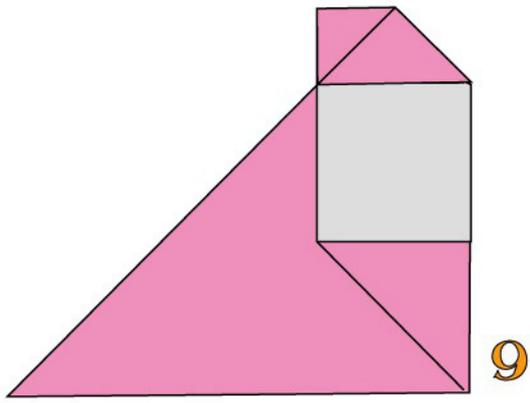
1 piega diagonale a valle

7

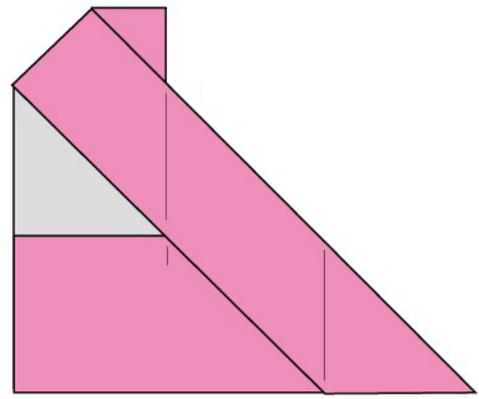


1 piega bisettrice a valle

8

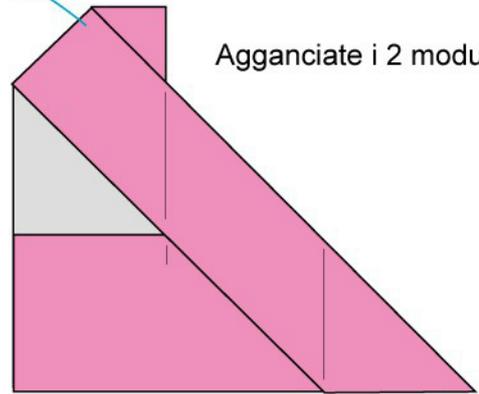
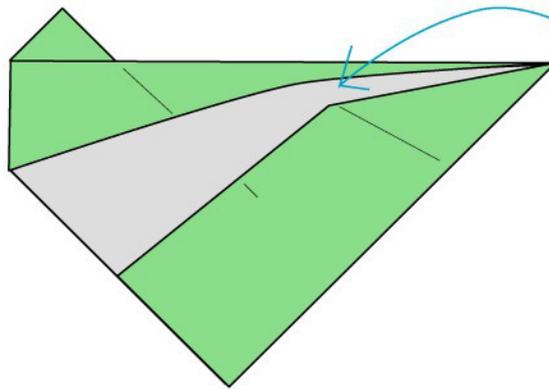


Ribaltate



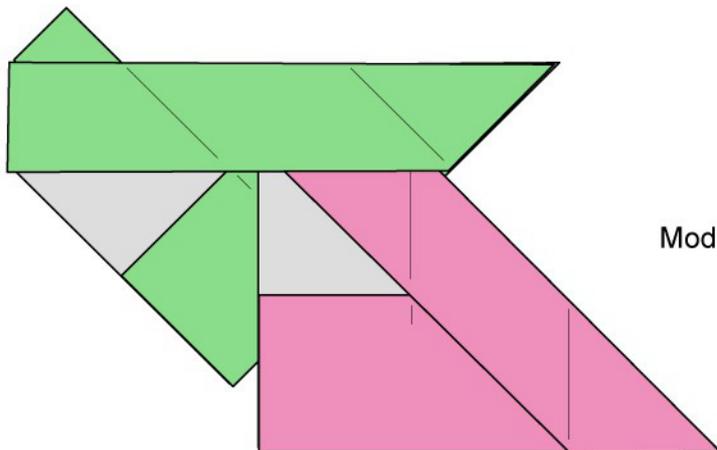
Modulo per girandola "C7" ultimato

UNIONE DEI MODULI



Agganciate i 2 moduli

1



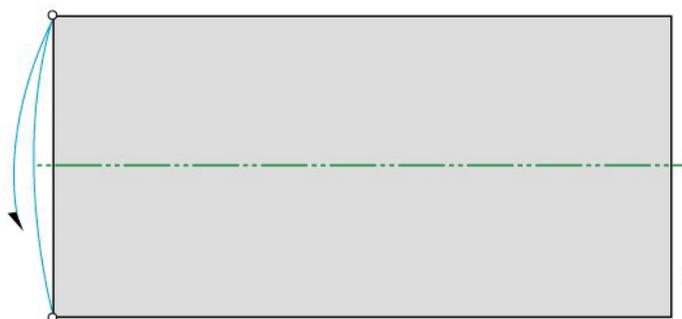
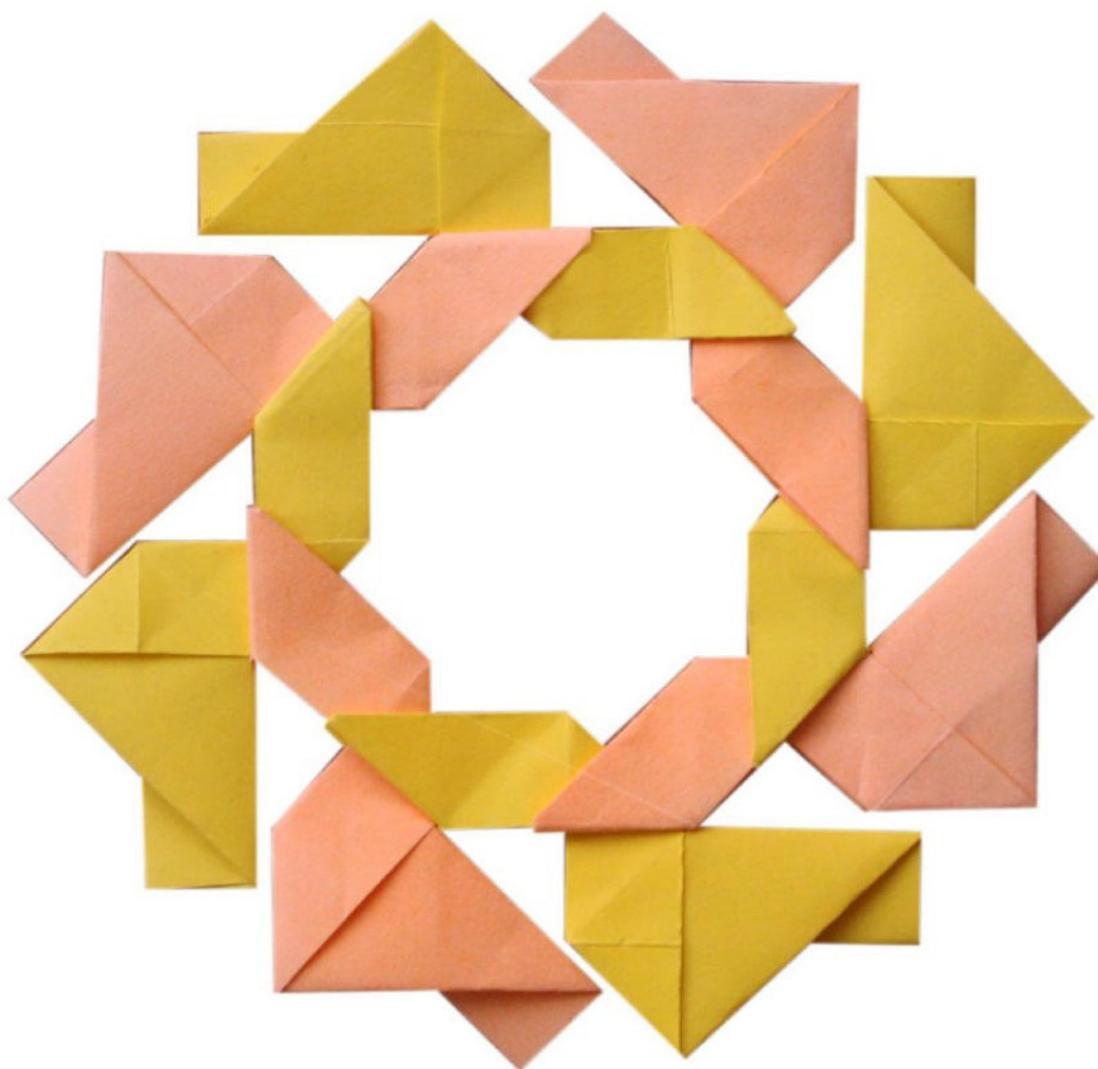
Moduli uniti

2

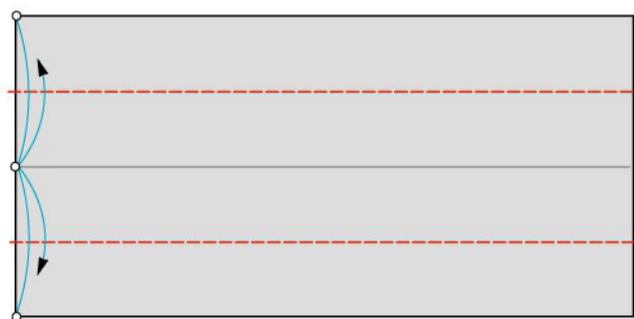
GIRANDOLA "D"

Franco Pavarin 24

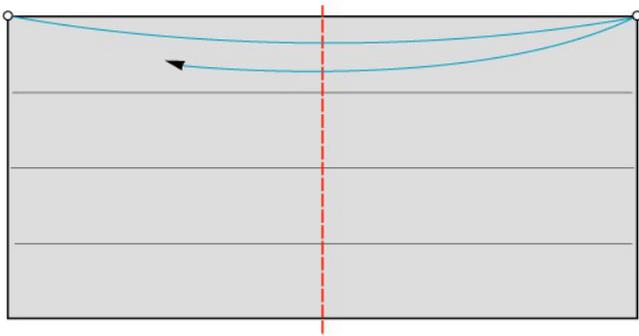
Sono necessari 8 fogli monocolori o bicolori di medio peso delle dimensioni di cm 10x5



1 piega a monte

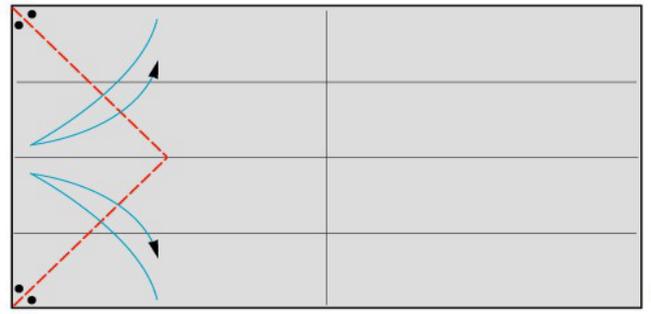


2 pieghe a valle



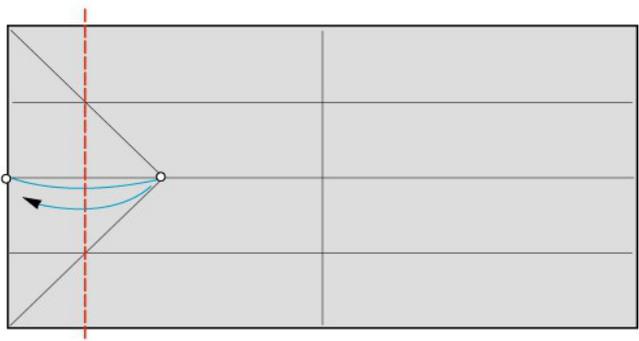
3

1 piega a valle



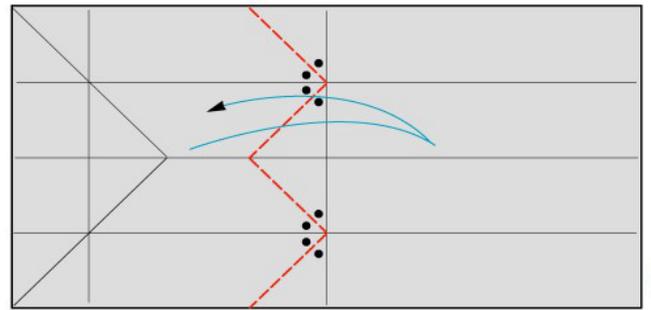
4

2 pieghe bisettrici a valle



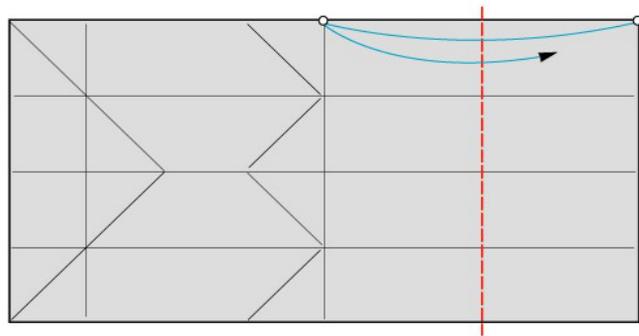
5

1 piega a valle



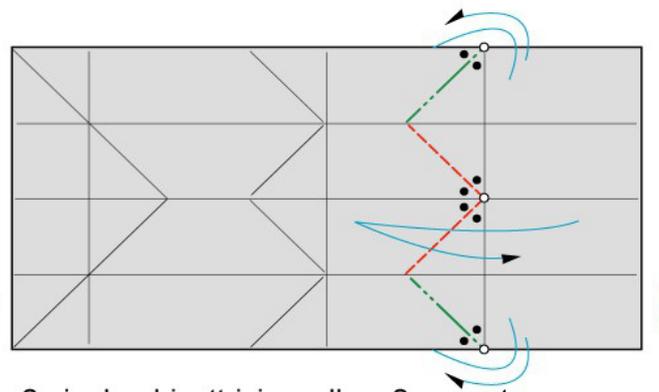
6

4 pieghe bisettrici a valle



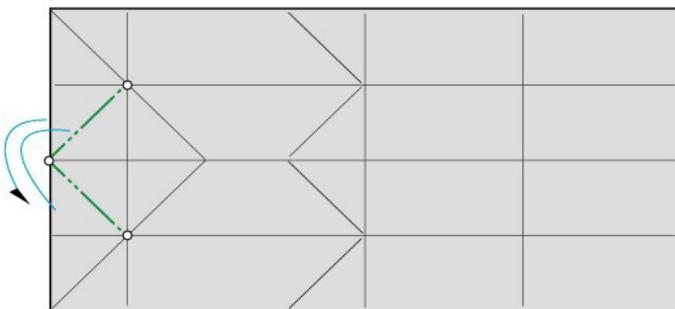
7

1 piega a valle



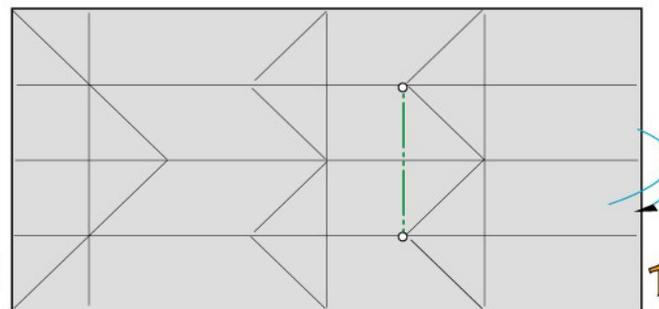
8

2 pieghe bisettrici a valle e 2 a monte



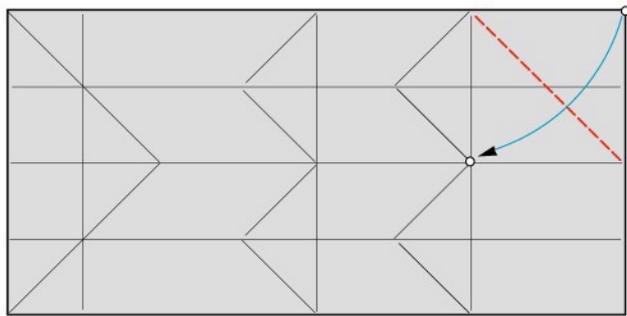
9

2 pieghe diagonali a monte



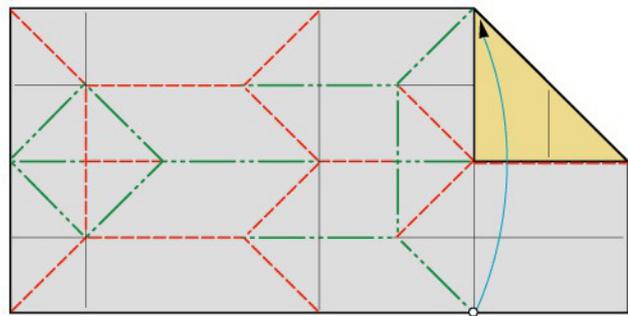
10

1 piega a monte



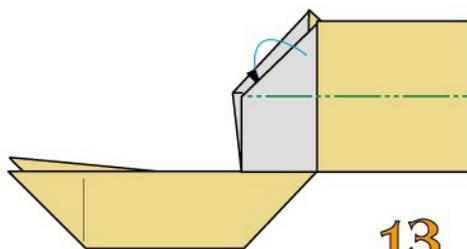
11

1 piega diagonale a valle



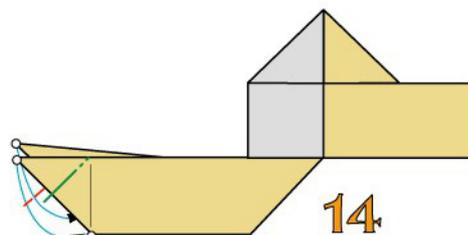
12

Ripiegate a valle e a monte



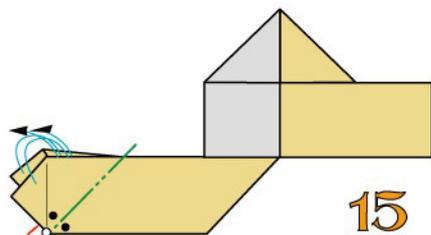
13

Ripiegando a monte intascate



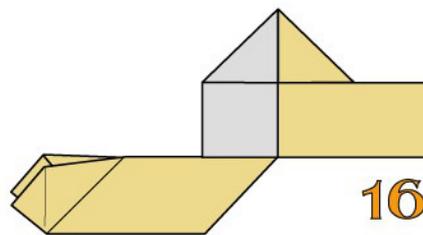
14

2 pieghe a monte, 1 per lato



15

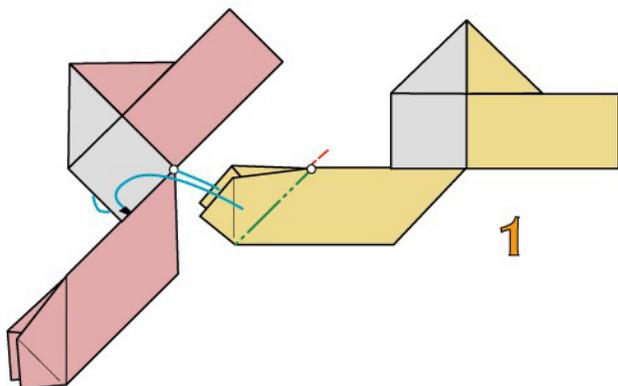
2 pieghe a monte, 1 per lato



16

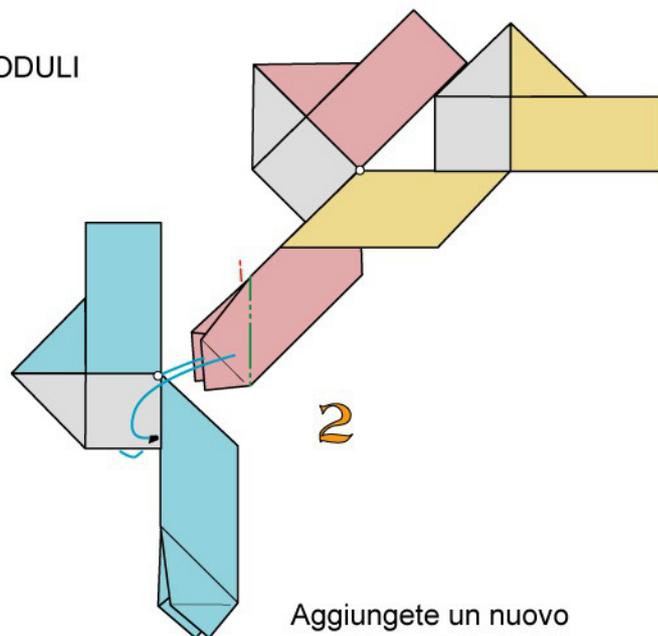
Modulo per girandola "D" ultimato

UNIONE DEI MODULI



1

Posizionate un modulo ruotato di 45° entro l'altro e bloccatelo mediante 2 pieghe a monte



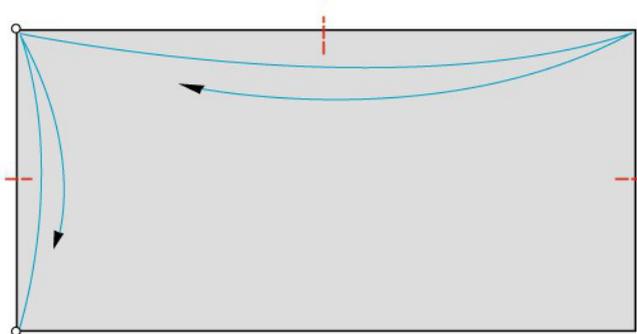
2

Aggiungete un nuovo modulo ruotato di 45°

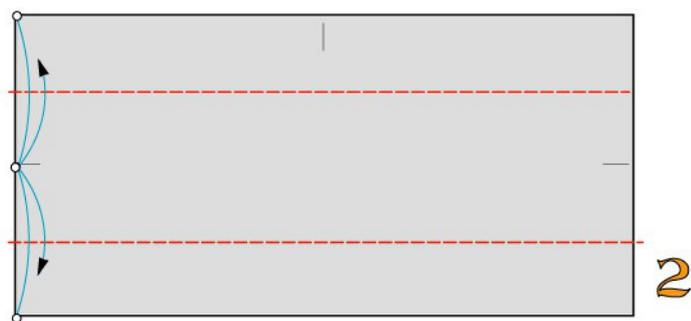
GHIRLANDA "€"

Franco Pavarin 24

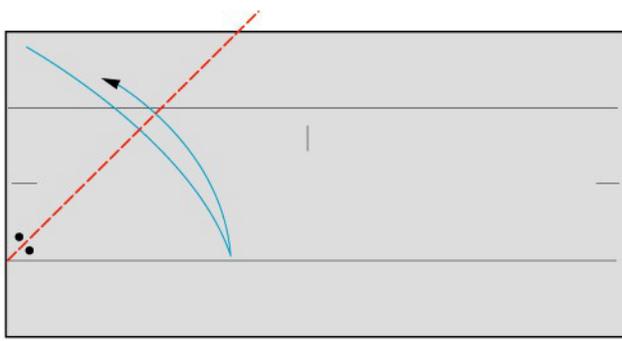
Sono necessari 8 fogli bicolori leggeri delle dimensioni di cm 10x5



3 piccole pieghe a valle

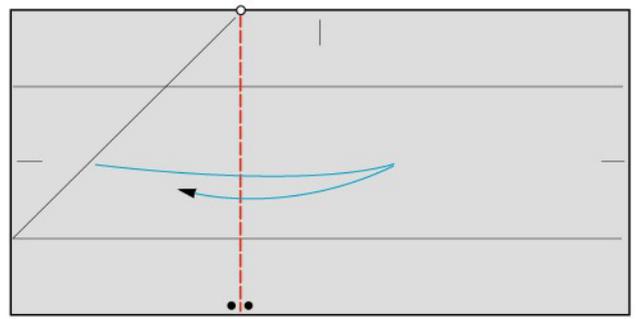


2 pieghe a valle



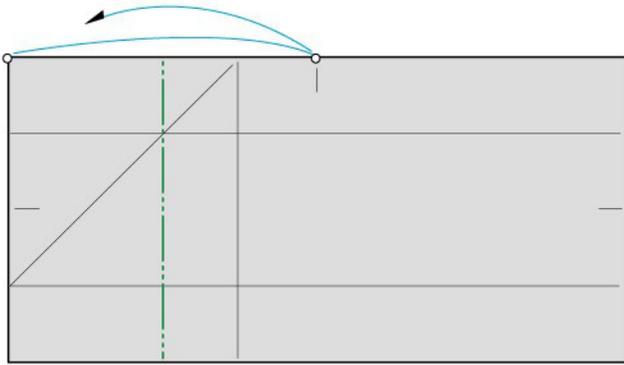
3

1 piega bisettrice a valle



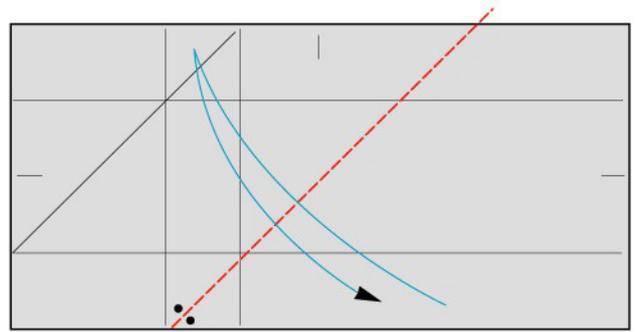
4

1 piega bisettrice a valle



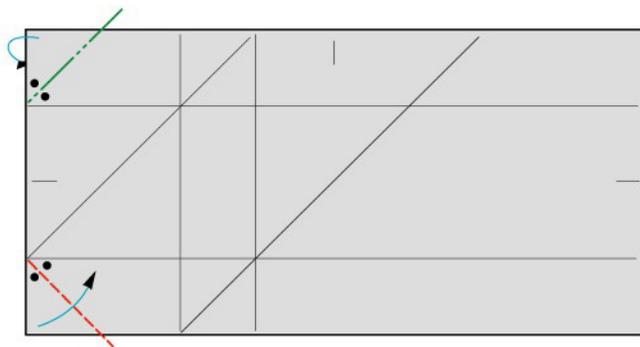
5

1 piega a monte



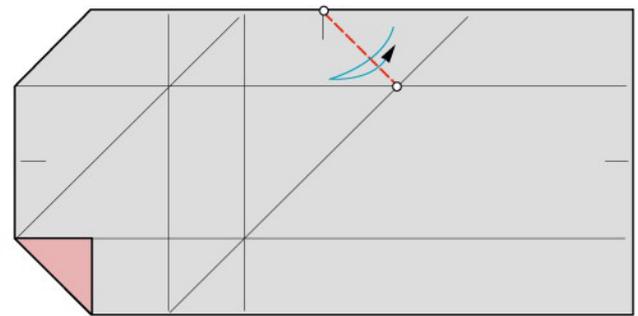
6

1 piega bisettrice a valle



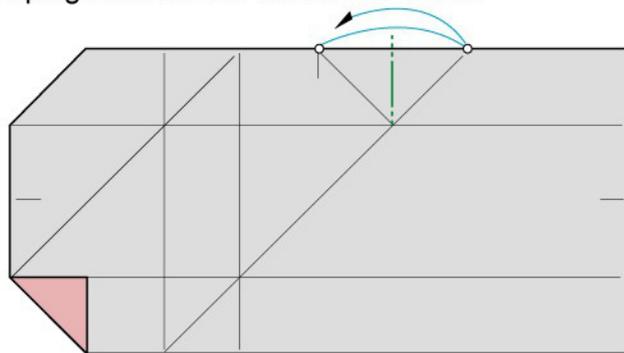
7

1 piega bisettrice a valle e 1 a monte



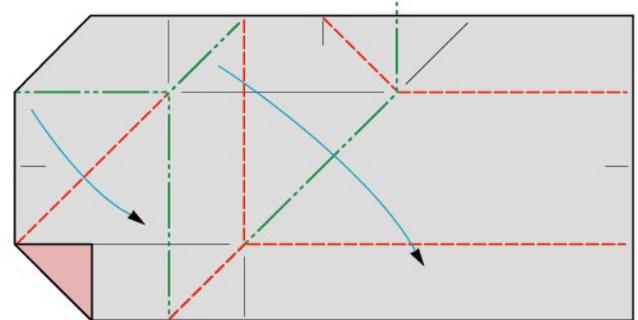
8

1 piega a valle



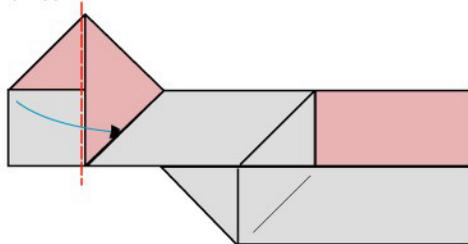
9

1 piega a monte



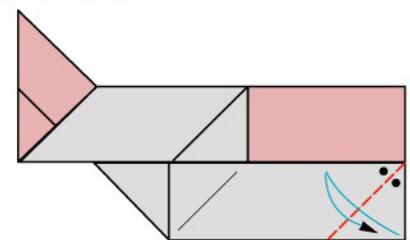
10

Ripiegate a valle e a monte



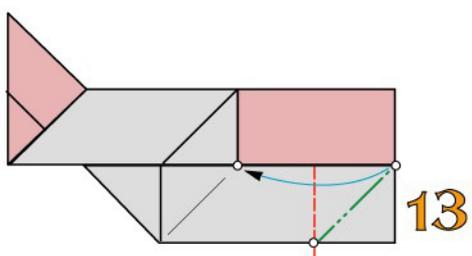
11

1 piega a valle e intascate

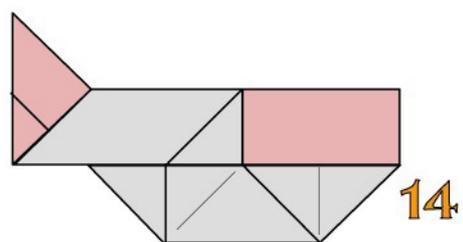


12

1 piega bisettrice a valle

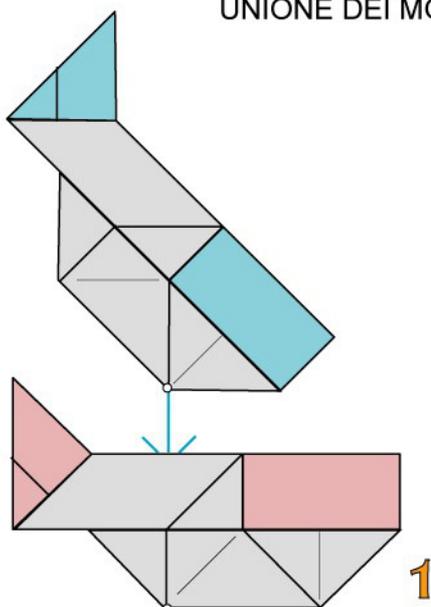


1 piega a valle e ripiegate

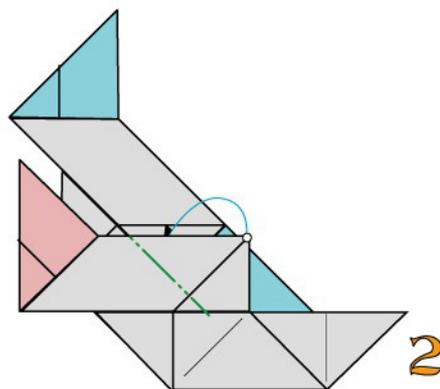


Modulo per girandola "E" ultimato

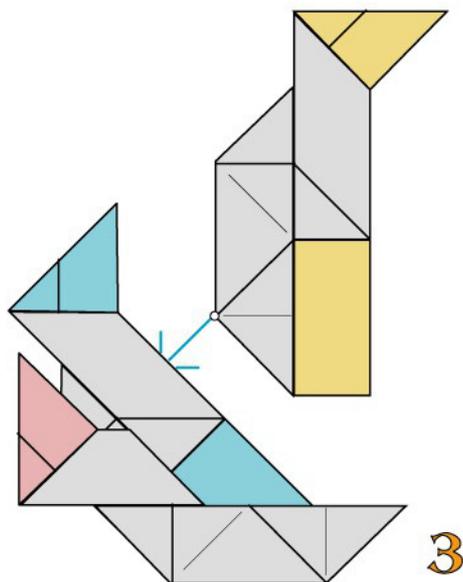
UNIONE DEI MODULI



Inserite un modulo ruotato di 45° nell'altro



Mediante una piega a valle bloccate l'unione

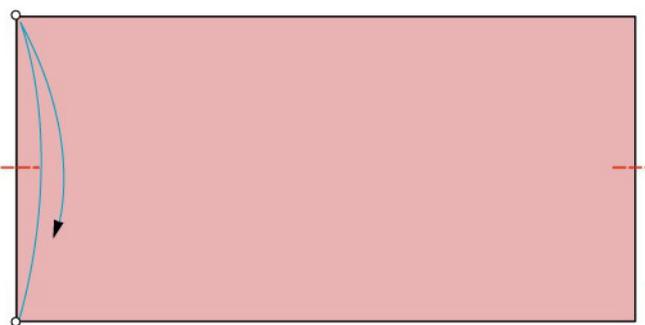


Aggiungete un altro modulo ruotato di 45°

STELLA TRAFORATA "A"

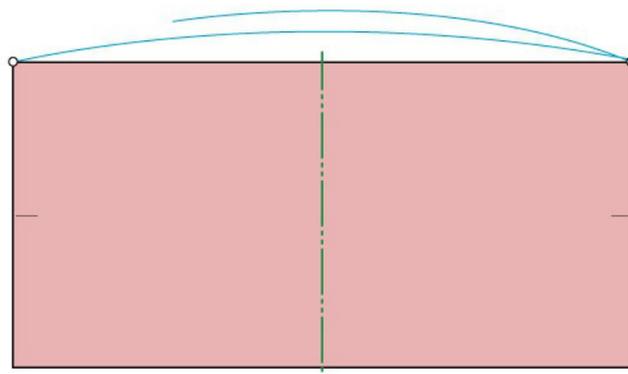
Franco Pavarin 24

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



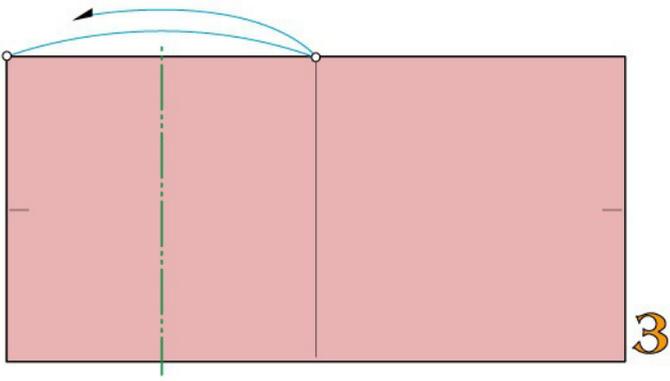
2 pieghe a valle

1

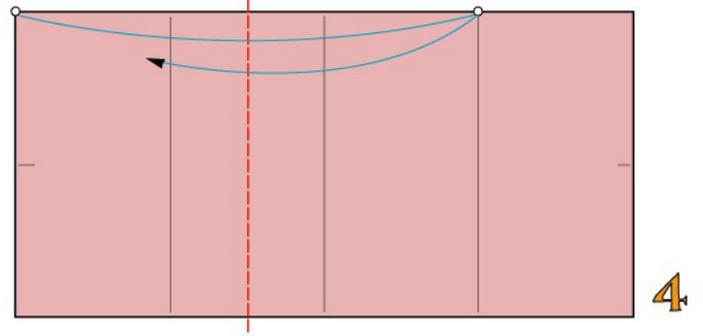


1 piega a monte

2



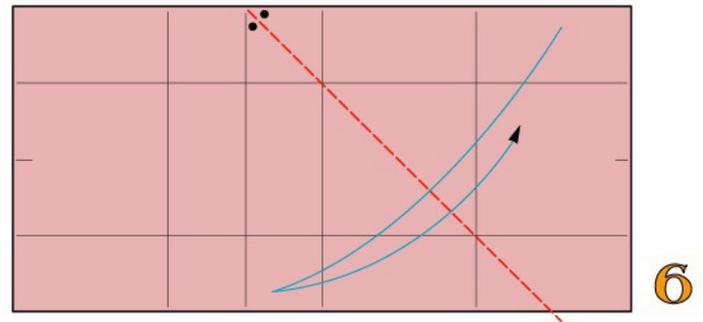
1 piega a monte



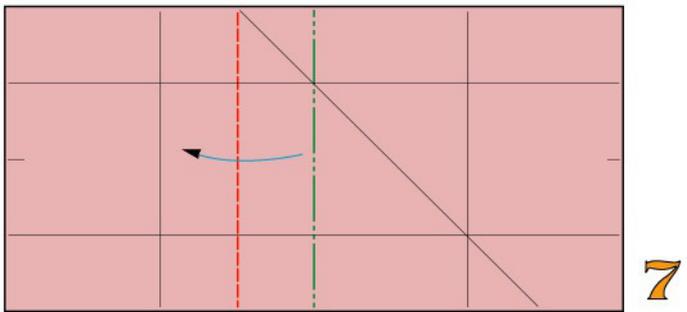
1 piega a valle



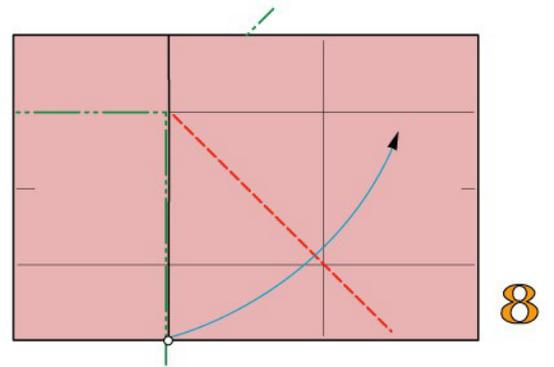
2 pieghe a valle



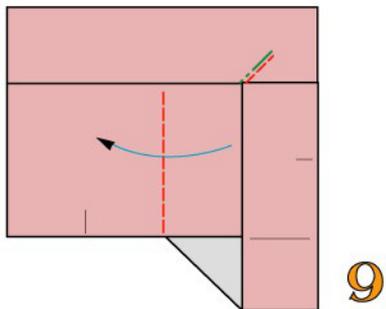
1 piega bisettrice a valle



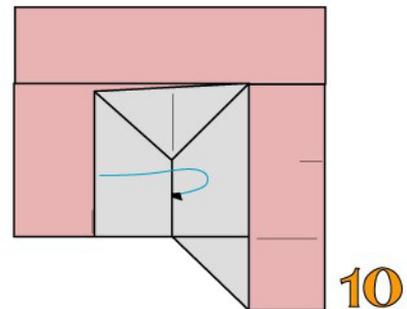
Ripiegate a valle e a monte



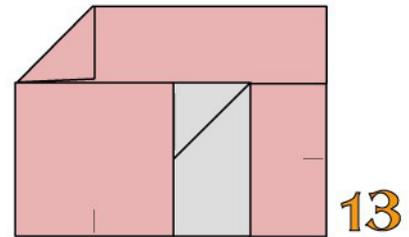
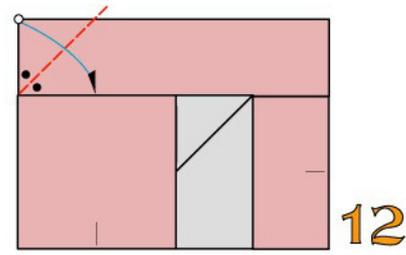
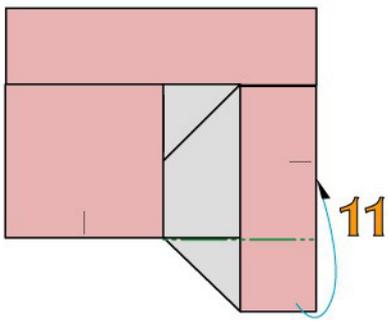
Ripiegate a valle e a monte



2 pieghe interne non visibili e ripiegate a valle



1 piega rovescia interna

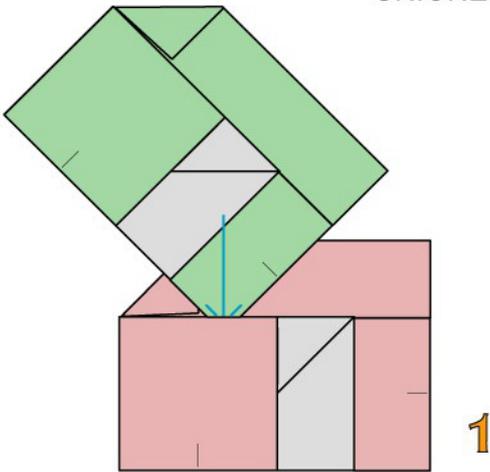


1 piega bisettrice a valle

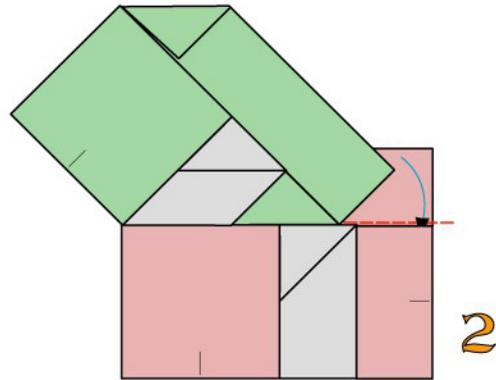
Modulo stella "A7" ultimata

Ripiegate a monte

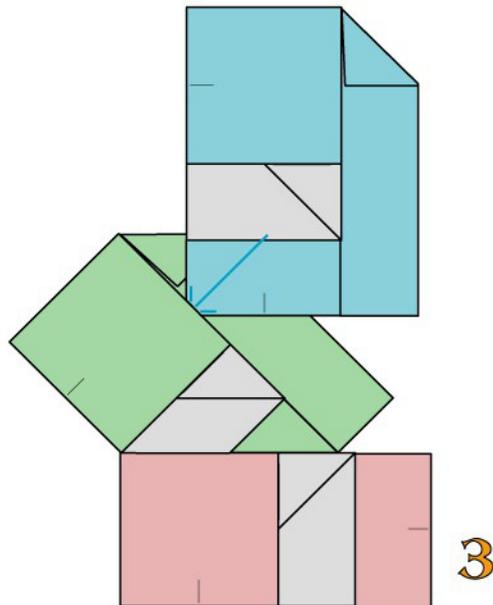
UNIONE DEI MODULI



inserie 1 modulo ruotato di 45° nell'altro



Ripiegate a monte bloccando l'unione



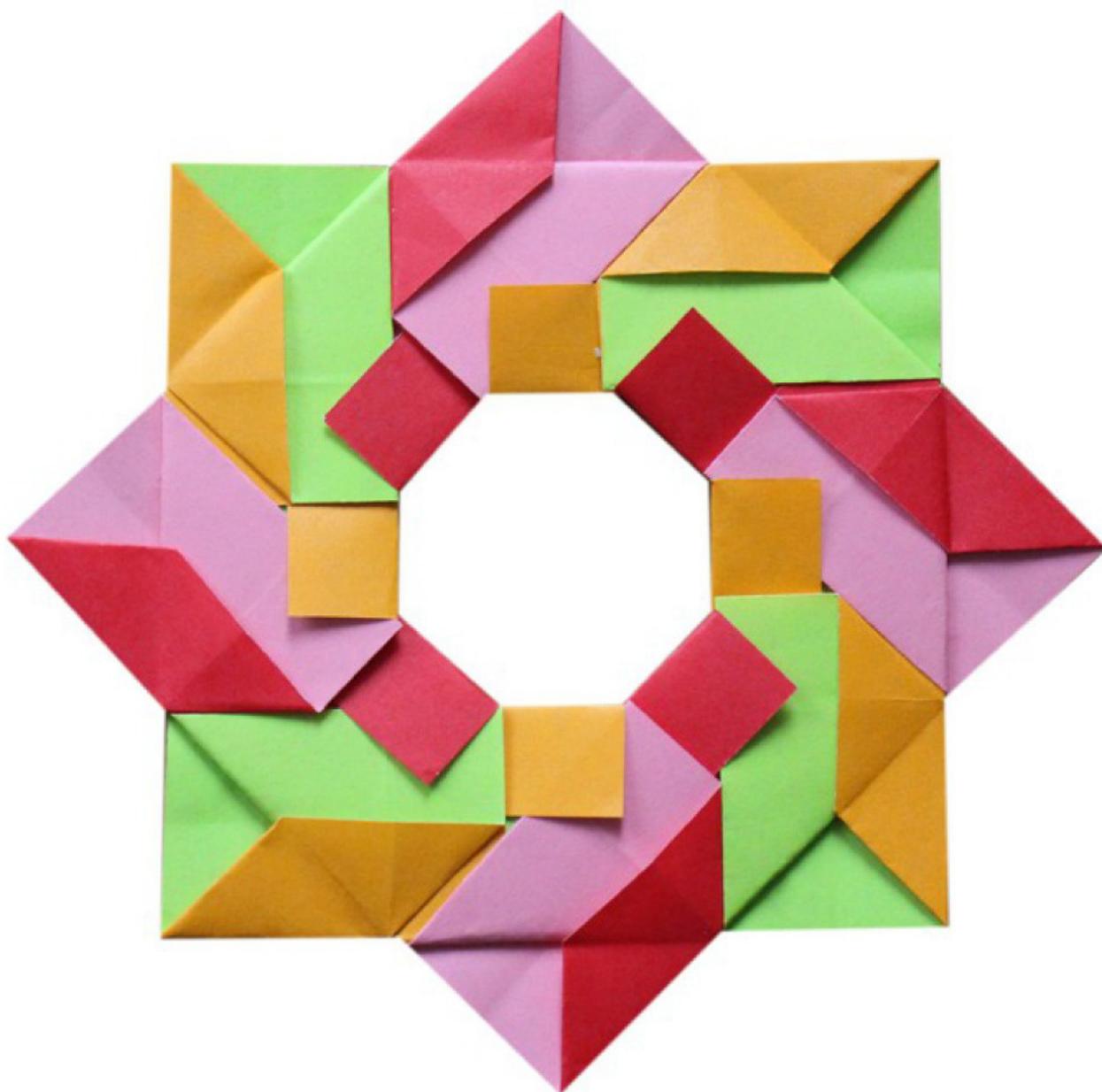
Inserie un nuovo modulo ruotato di 45°



STELLA TRAFORATA "B"

Franco Pavarin 24

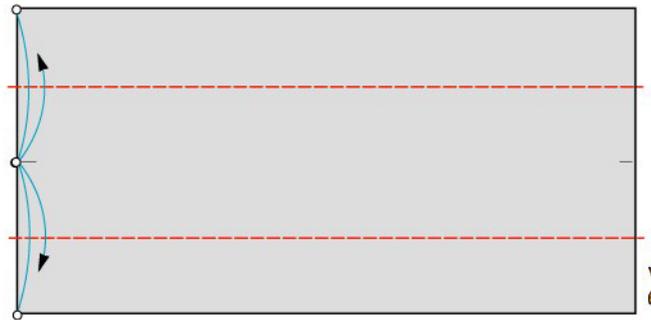
Sono necessari 8 fogli bicolori leggeri delle dimensioni di cm 10x5





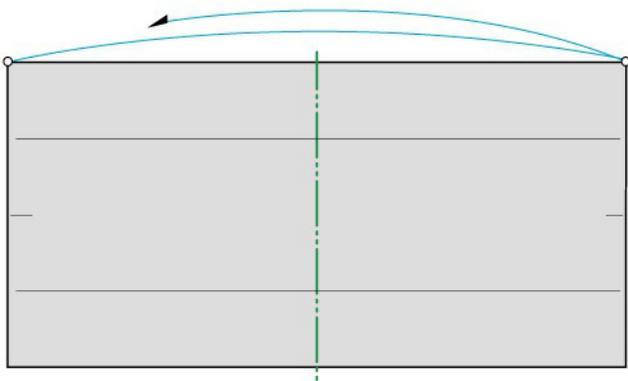
1

2 pieghe a valle



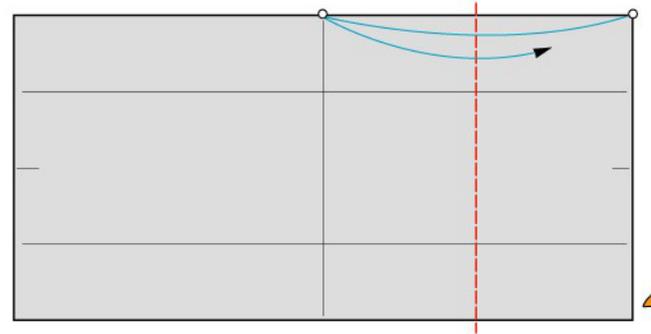
2

2 pieghe a valle



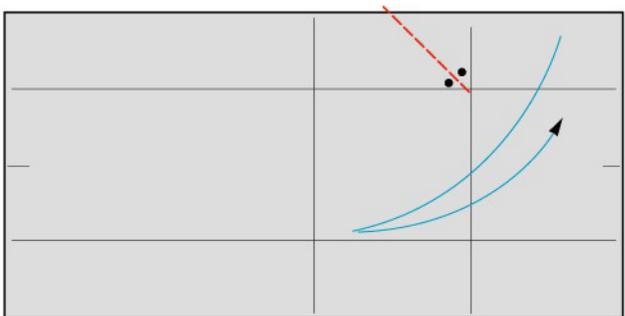
3

1 piega a monte



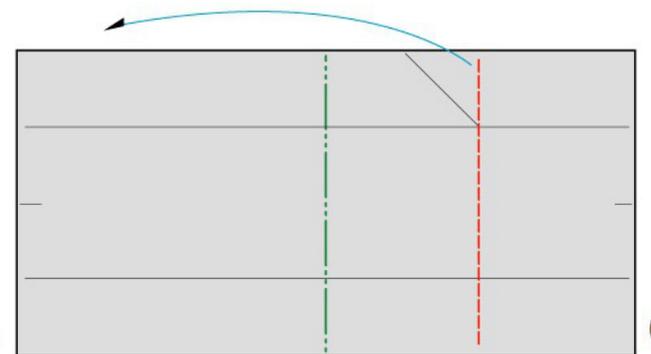
4

1 piega a valle



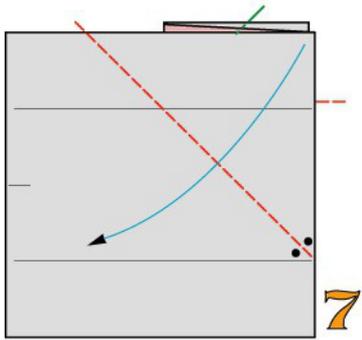
5

1 piega bisettrice a valle

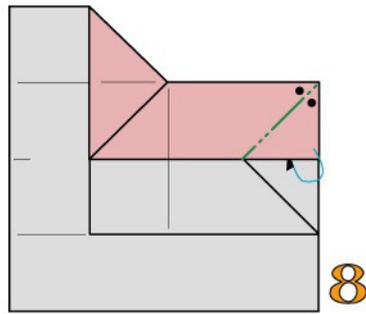


6

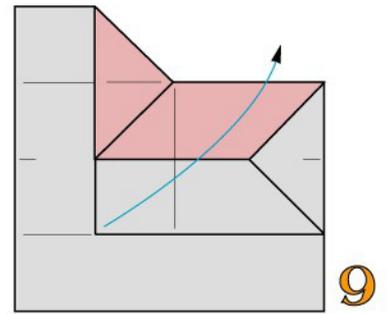
Ripiegate a valle e a monte



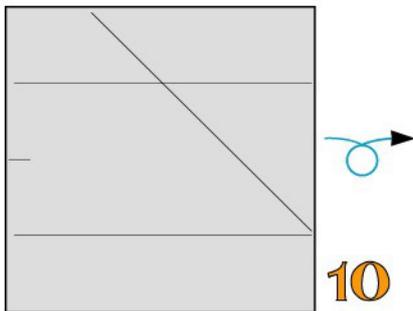
1 piega bisettrice a valle



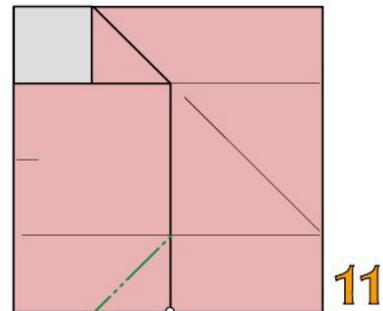
1 piega bisettrice a monte



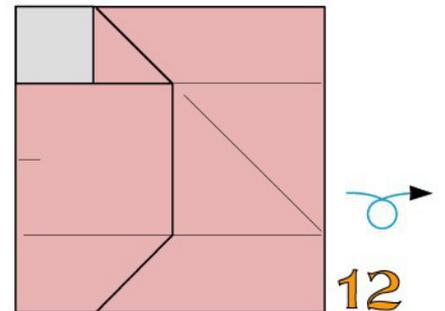
Riaprite



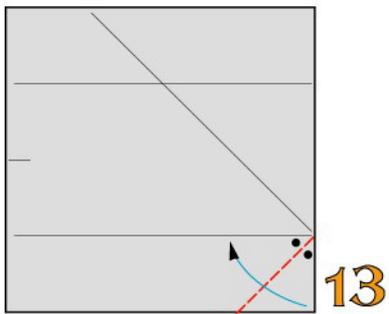
Ribaltate



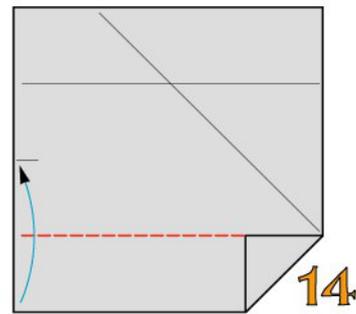
1 piega rovescia interna



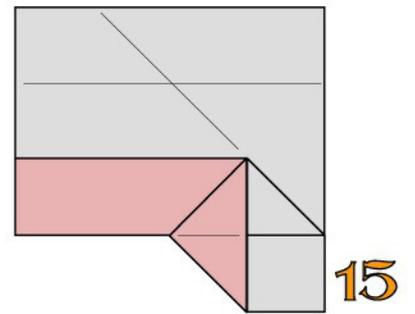
Ribaltate



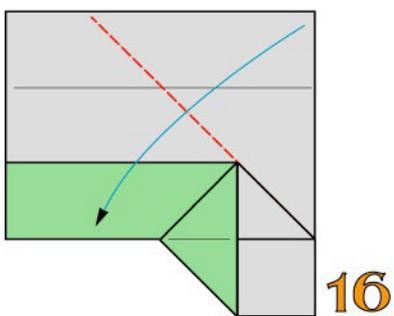
1 piega bisettrice a valle



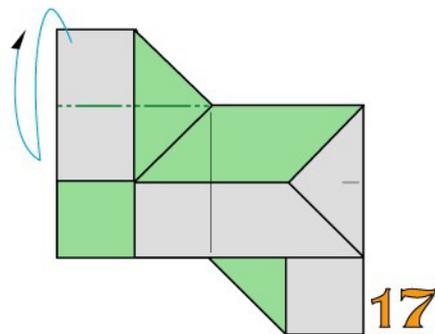
Ripiegate a valle



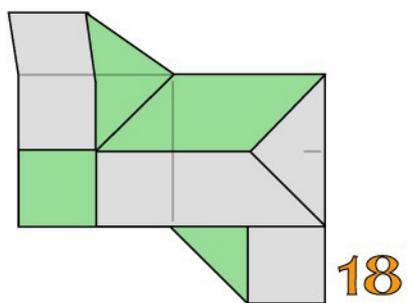
Modulo stella B7 ultimato aperto



Ripiegate a valle

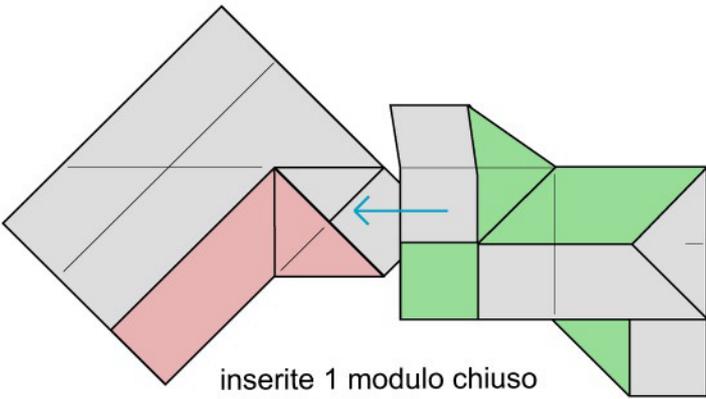


Ripiegate a monte

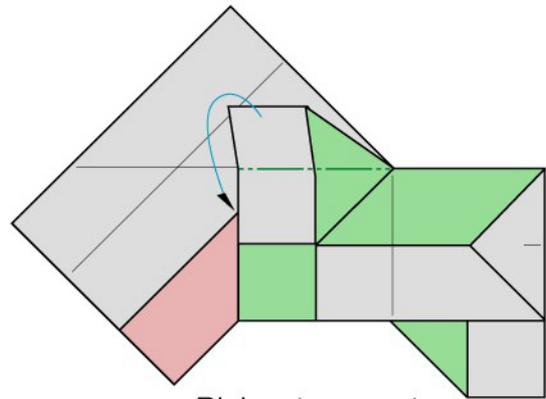


Modulo stella B7 ultimato chiuso

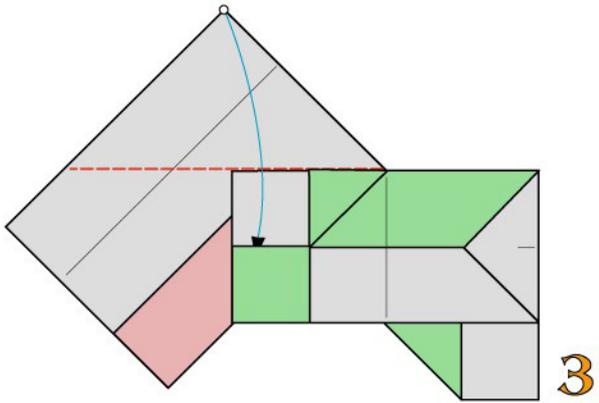
UNIONE DEI MODULI



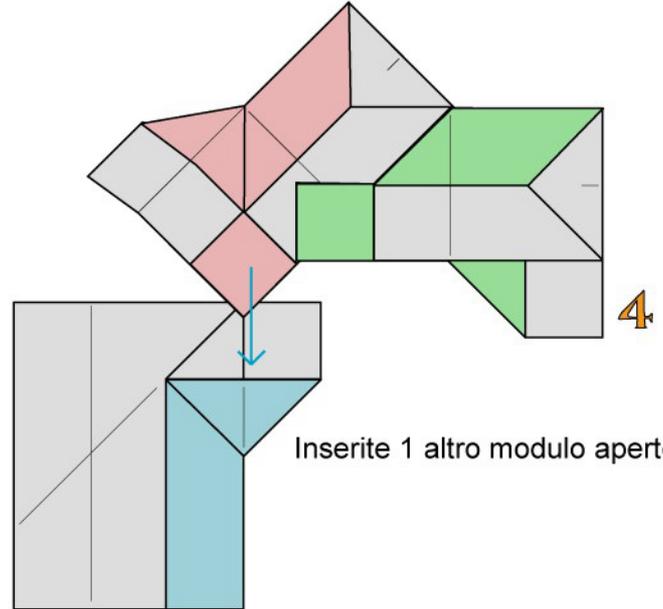
inserite 1 modulo chiuso
e ruotato di 45° nell'altro



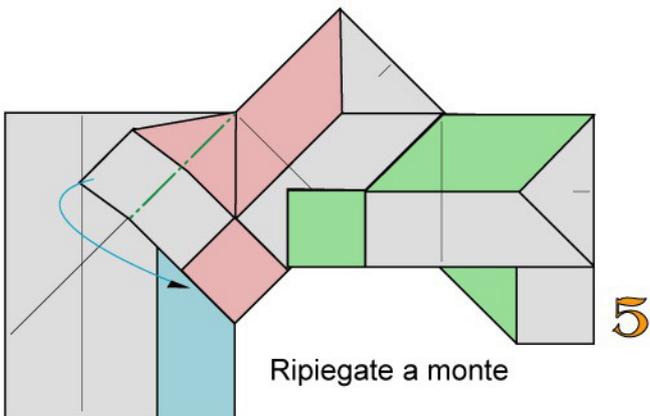
Ripiegate a monte



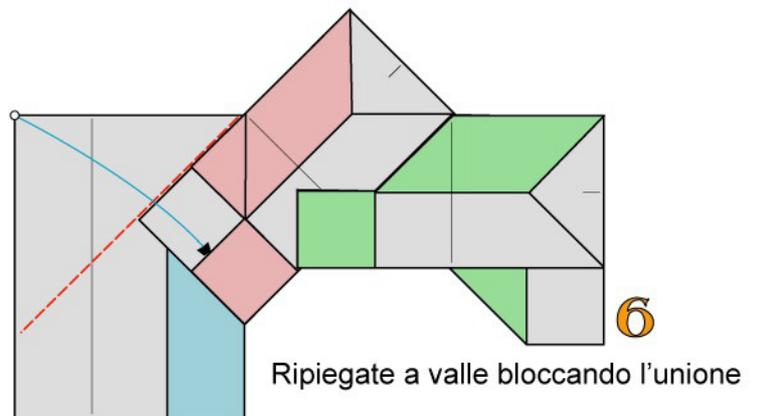
Ripiegate a valle bloccando l'unione



Inserite 1 altro modulo aperto



Ripiegate a monte

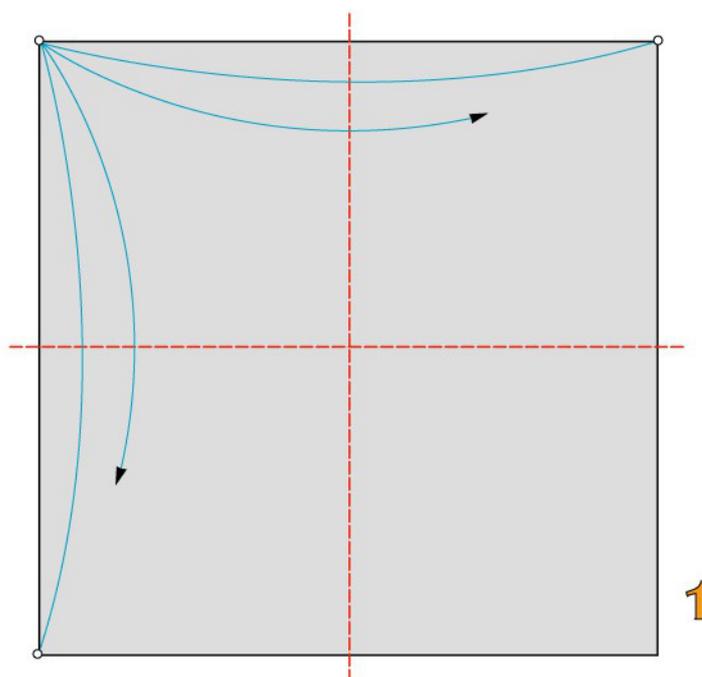


Ripiegate a valle bloccando l'unione

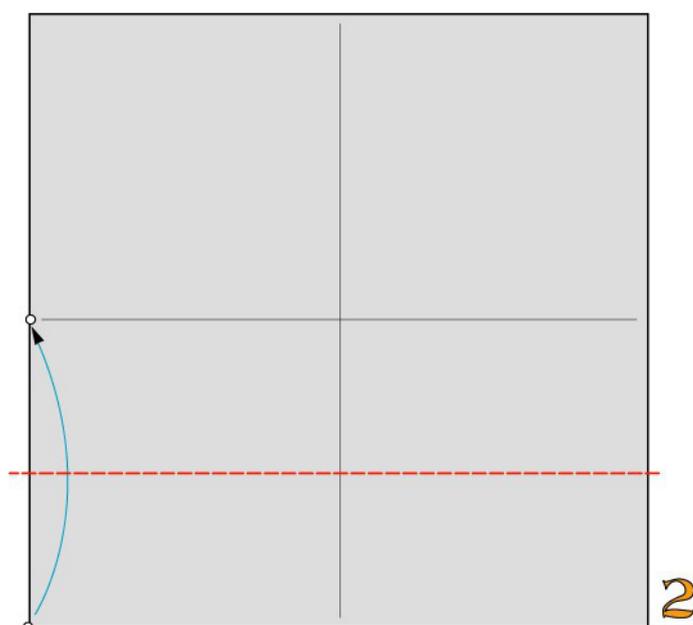
NASTRO "A"

Franco Pavarin 24

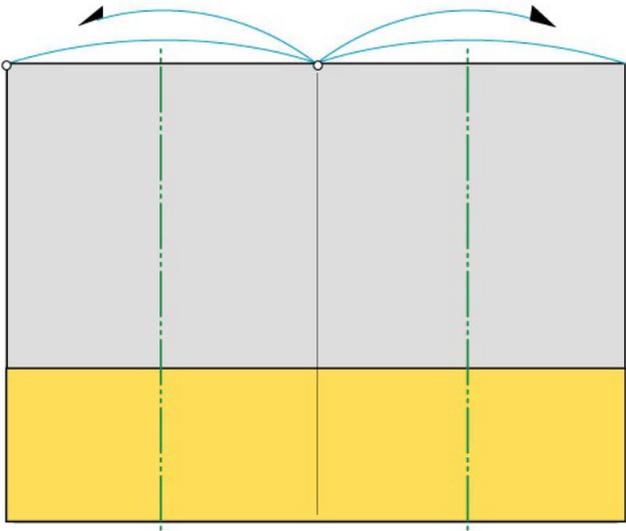
Sono necessari fogli monocolori di medio peso delle dimensioni cm 7,5x7,5



2 pieghe a valle

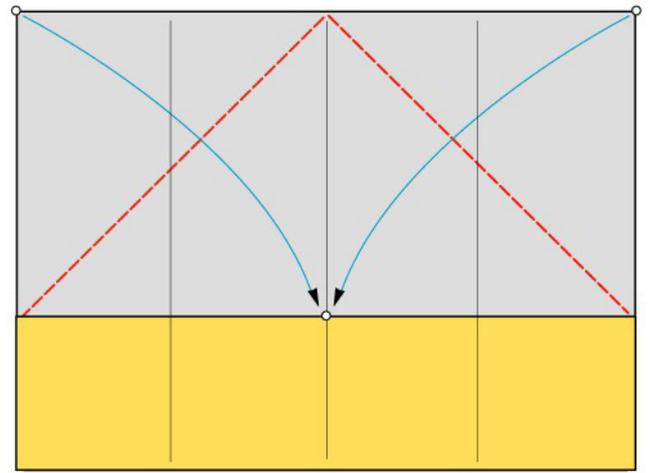


1 piega a valle



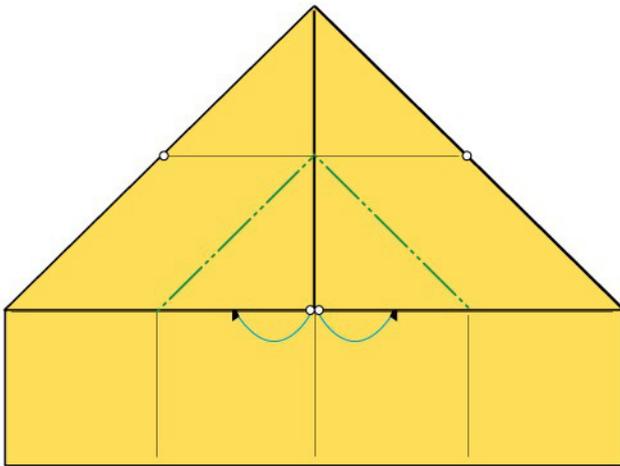
3

2 pieghe a monte



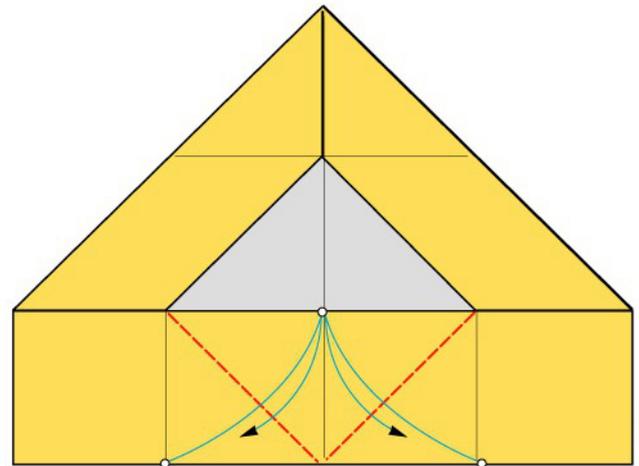
4

2 pieghe diagonali a valle



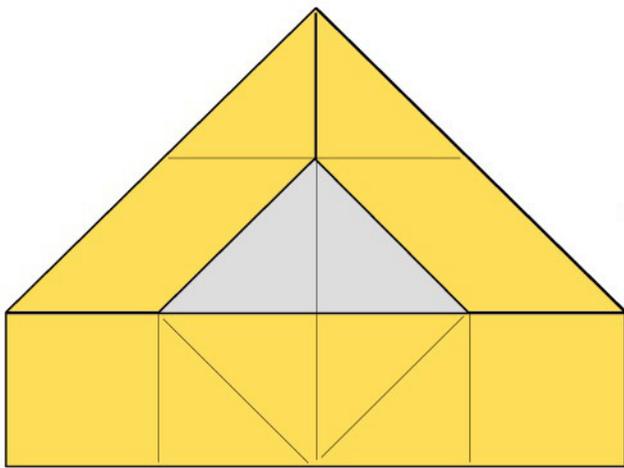
5

2 pieghe diagonali a monte



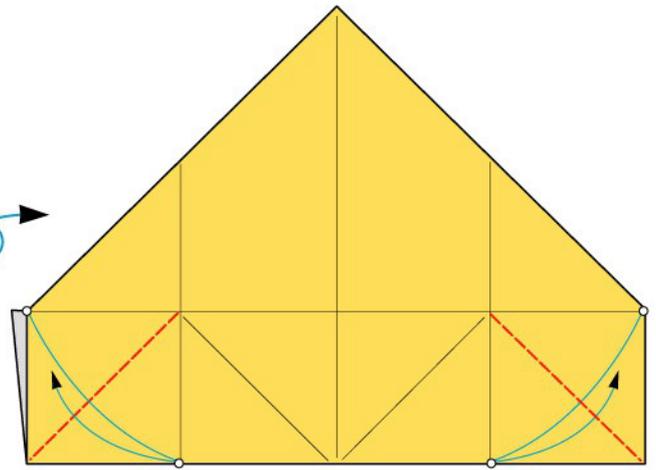
6

2 pieghe diagonali a valle



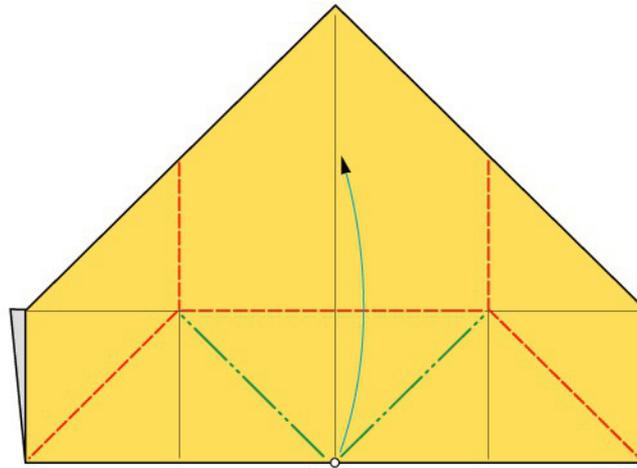
7

Ribaltate



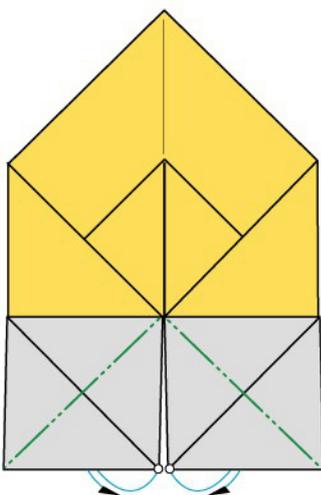
8

2 pieghe diagonali a valle



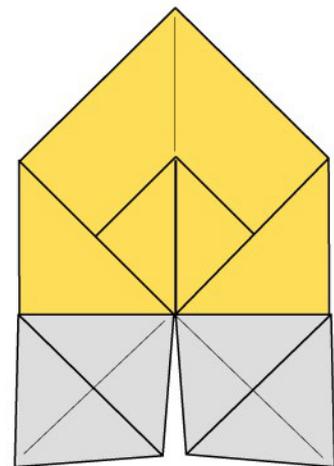
9

Ripiegate a valle e a monte



10

2 pieghe diagonali a monte

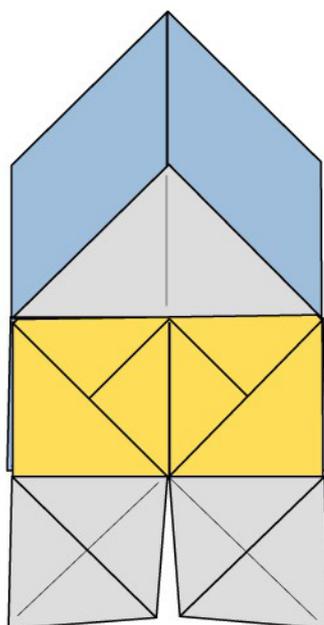
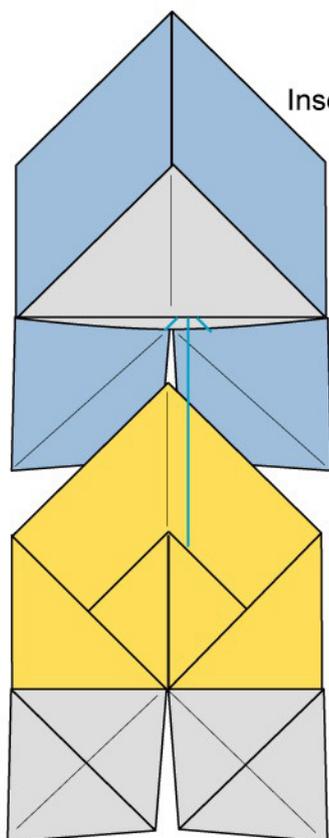


11

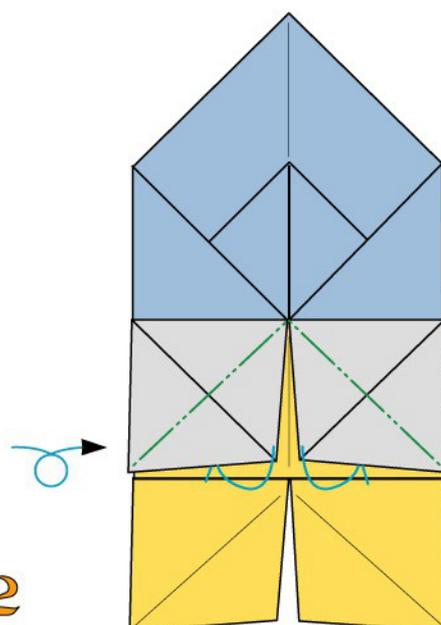
Modulo per nastri A7 ultimato

UNIONE DEI MODULI

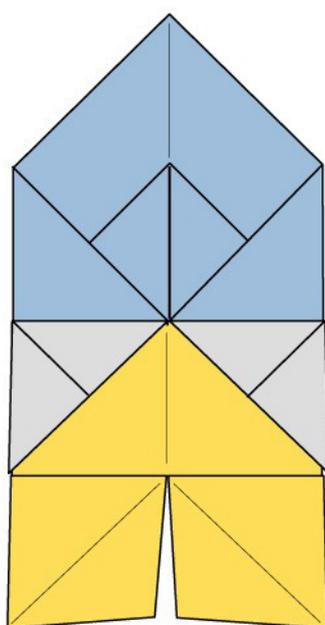
Inserite un modulo in un altro ribaltato



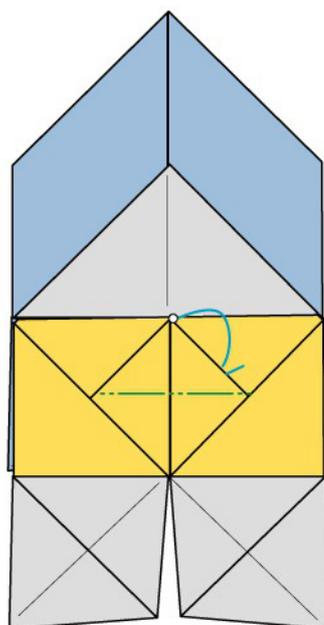
Ribaltate



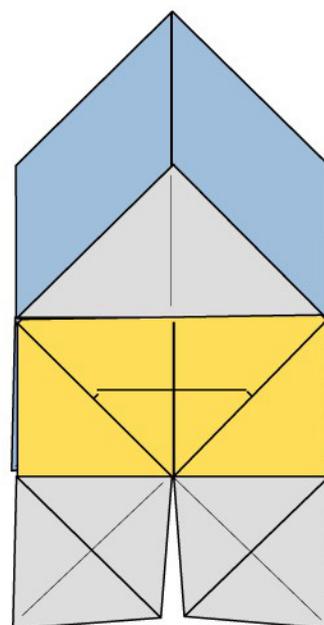
Ripiegando a monte intascate



Ribaltate



1 piega a monte



2 moduli per nastro

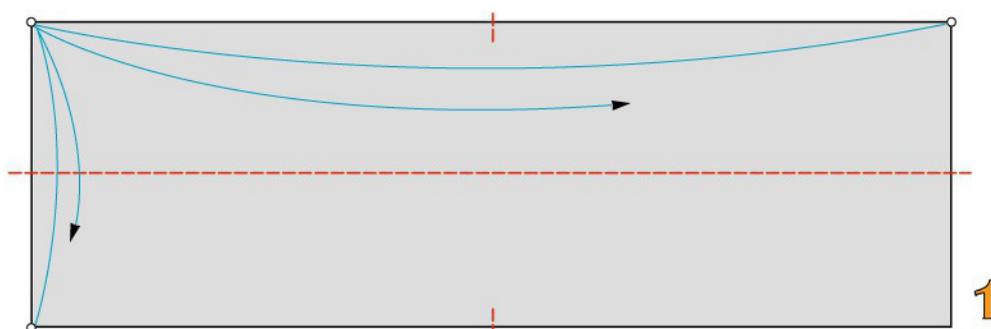
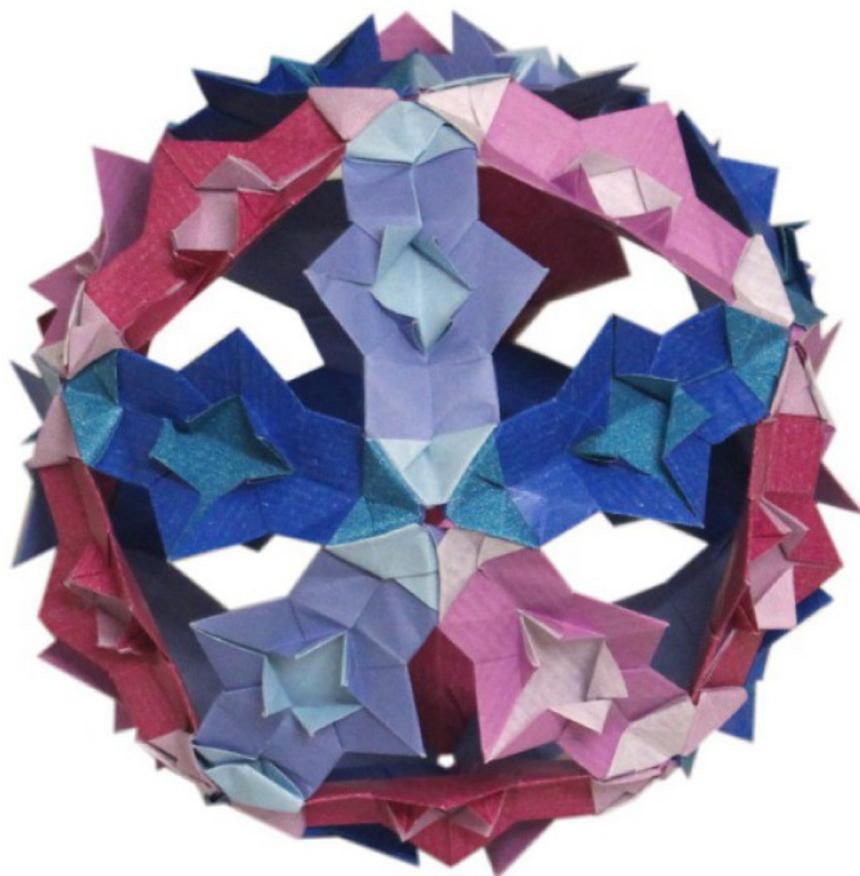
POLIEDRO "A" TRAFORATO

Franco Pavarin

Con questo modulo è possibile costruire molti poliedri.

In questo caso si tratta di un icosaedro.

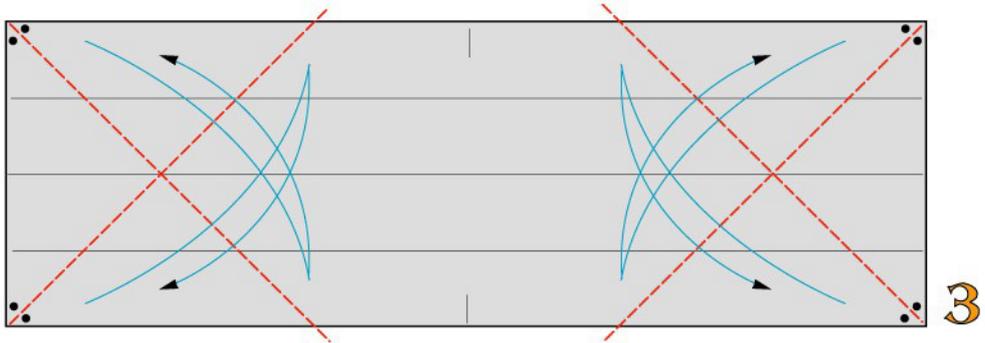
Adoperate 30 fogli di carta bicolore di medio peso delle dimensioni di cm 5x15



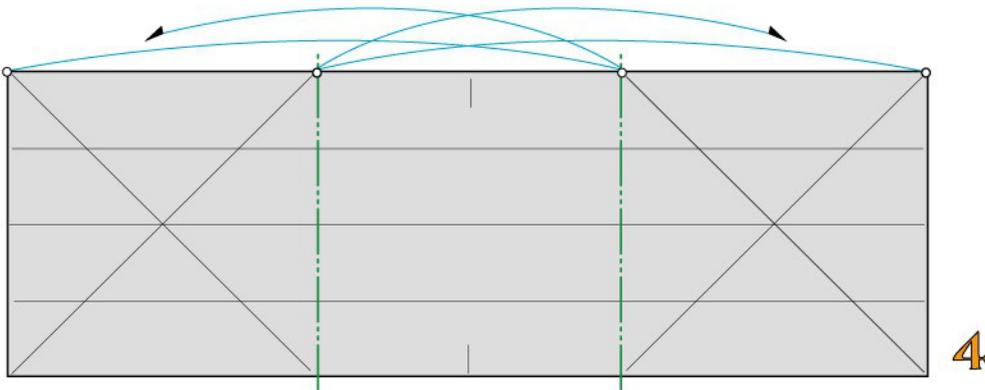
3 pieghe a valle



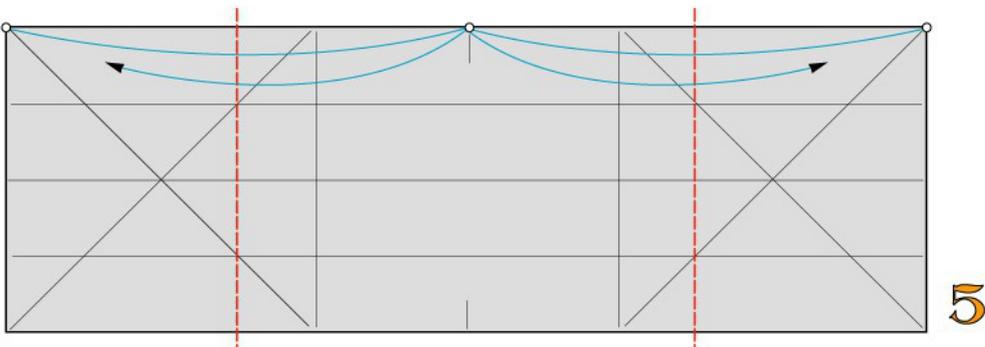
2 pieghe a valle



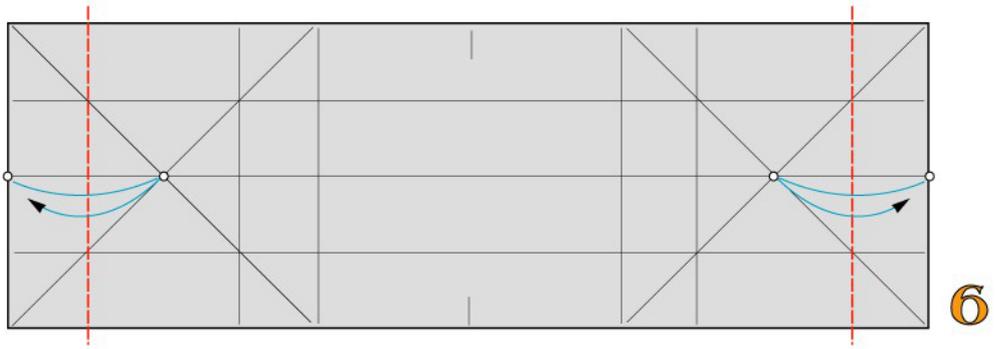
4 pieghe bisettrici a valle



2 pieghe a monte

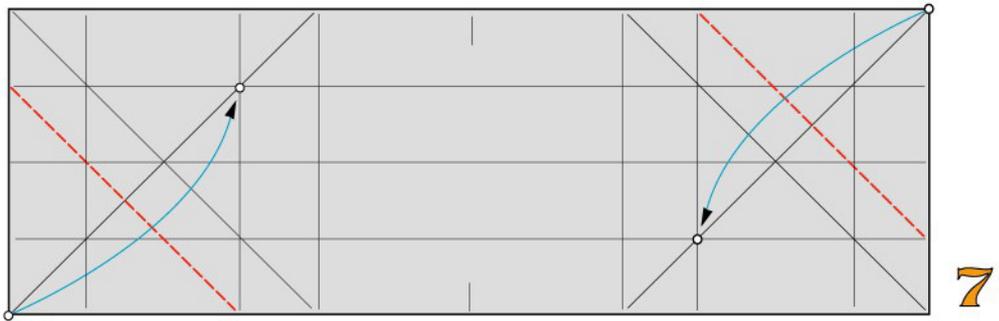


2 pieghe a valle



6

2 pieghe a valle



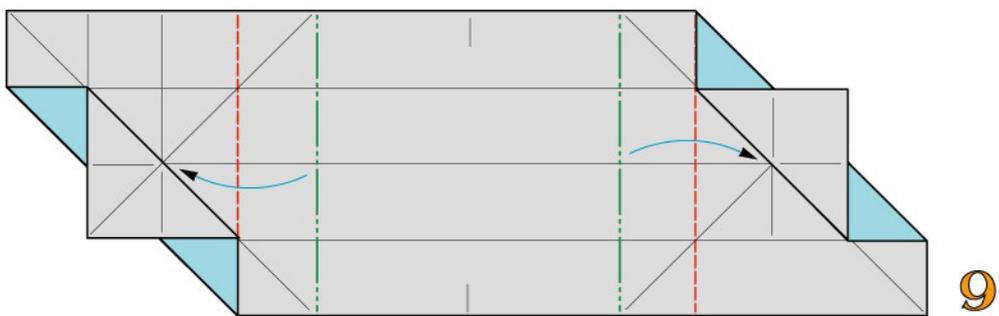
7

2 pieghe diagonali a valle



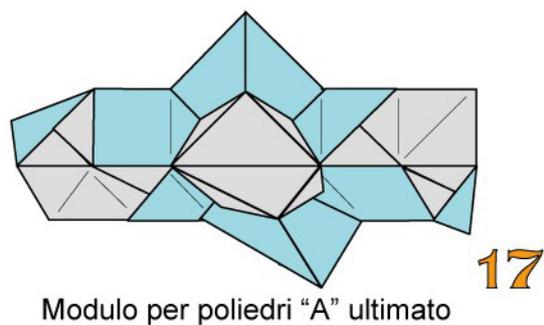
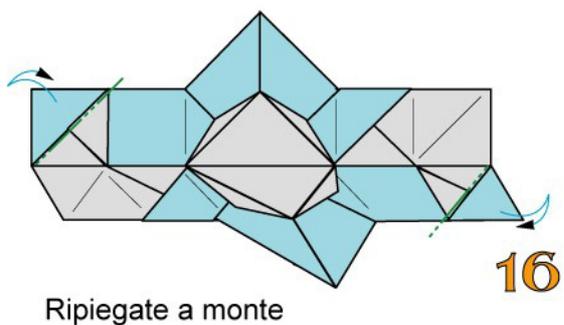
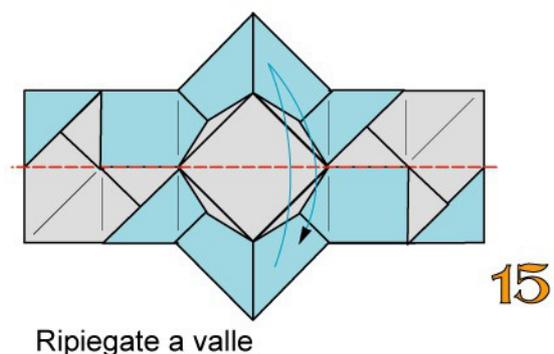
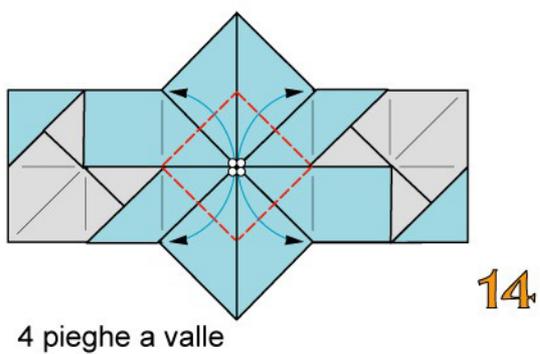
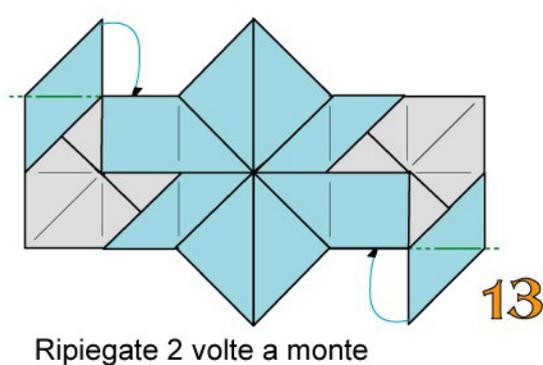
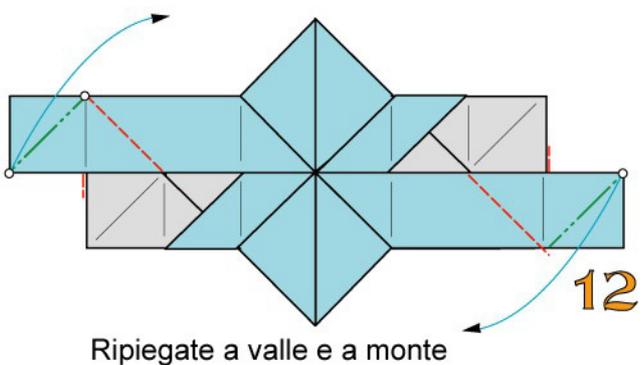
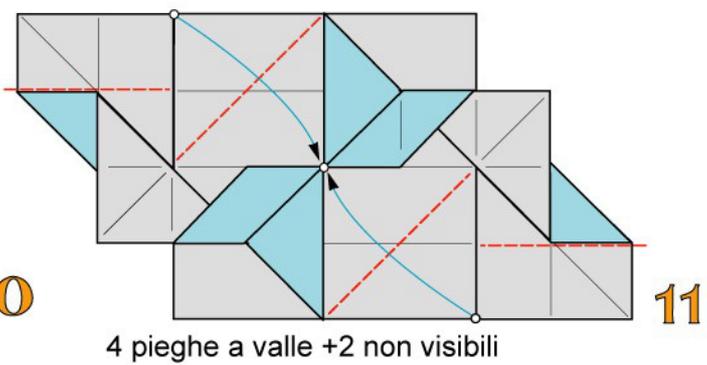
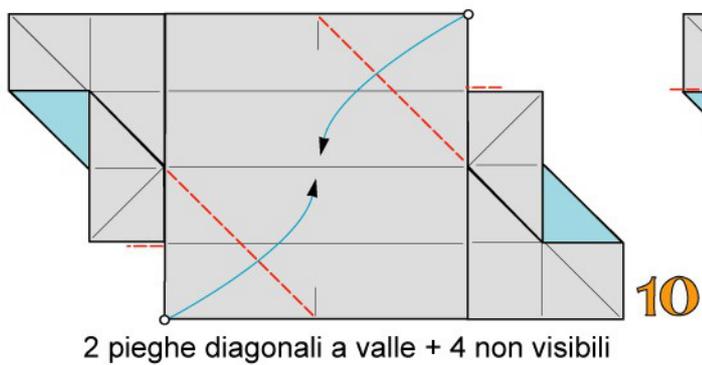
8

2 pieghe diagonali a valle

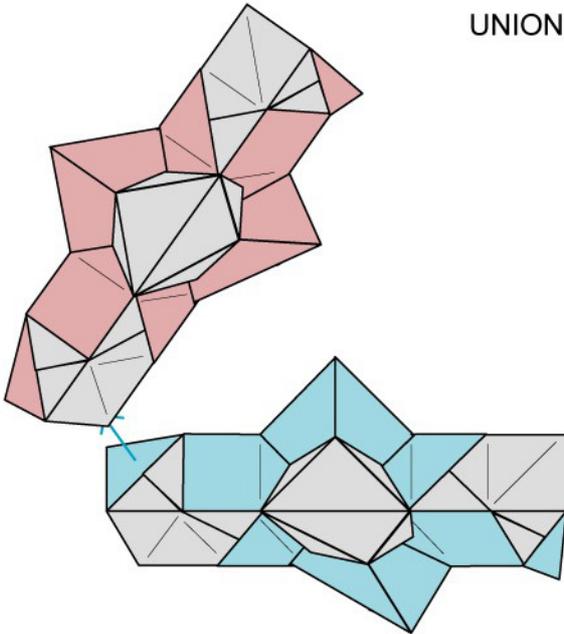


9

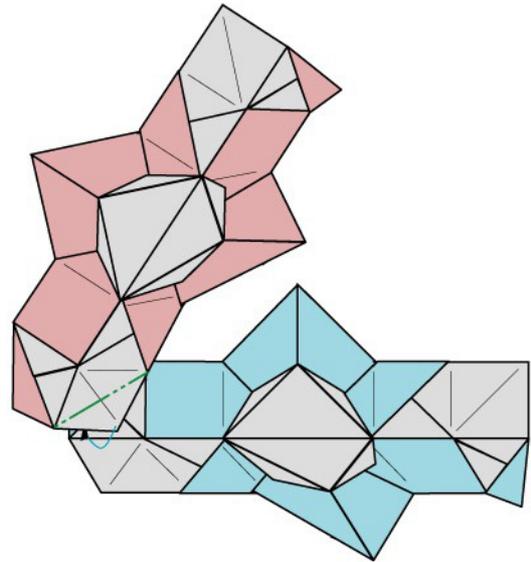
Ripiegate a valle e a monte



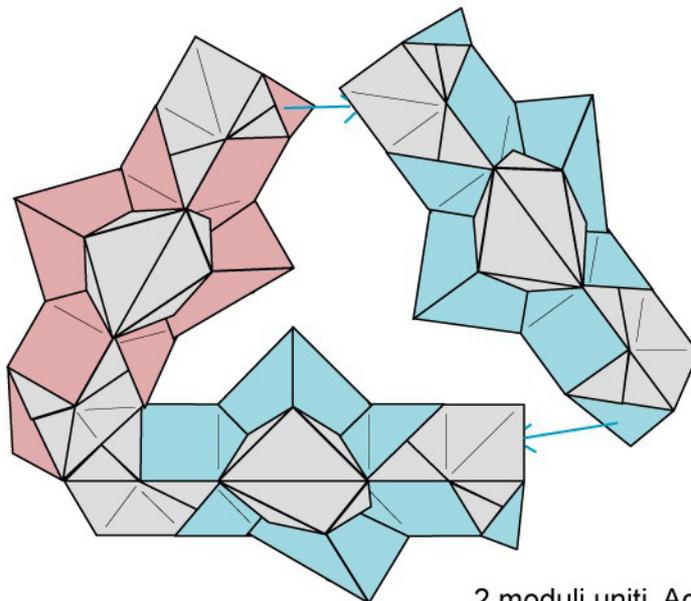
UNIONE DEI MODULI



Inserite un modulo nell'altro



Con una piega a monte intascate e bloccate l'unione



2 moduli uniti. Aggiungete altri moduli

POLIEDRO "B" TRAFORATO

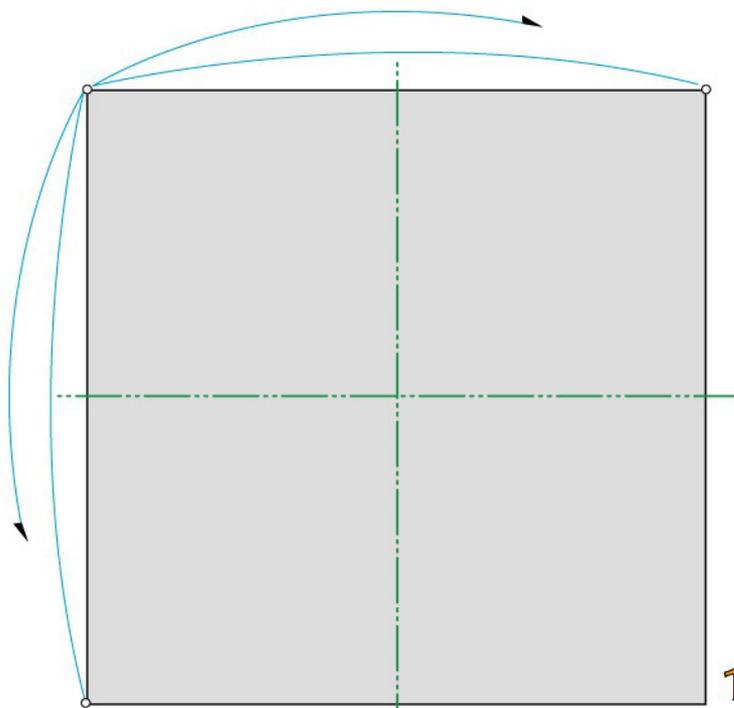
Franco Pavarin 24

Con questo modulo è possibile costruire molti poliedri.

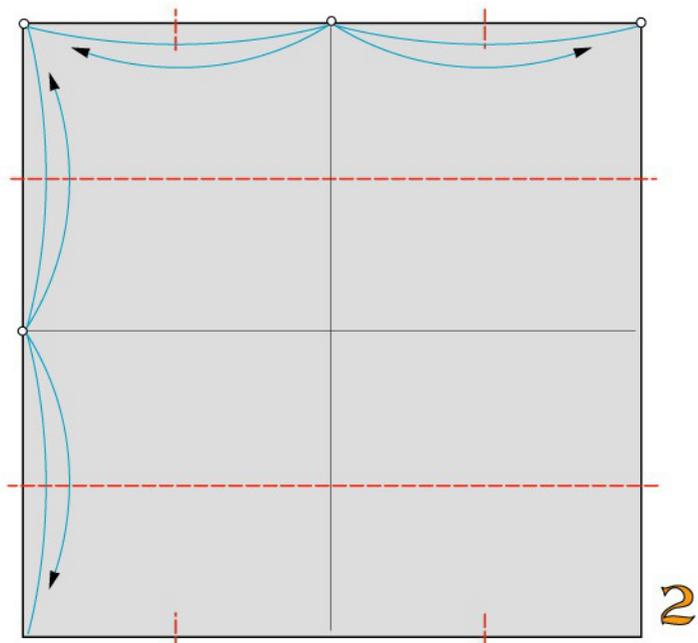
Si adoperava un modulo composto formato da 2 moduli semplici.

Adoperate fogli di carta bicolore di medio peso delle dimensioni di cm 12x12

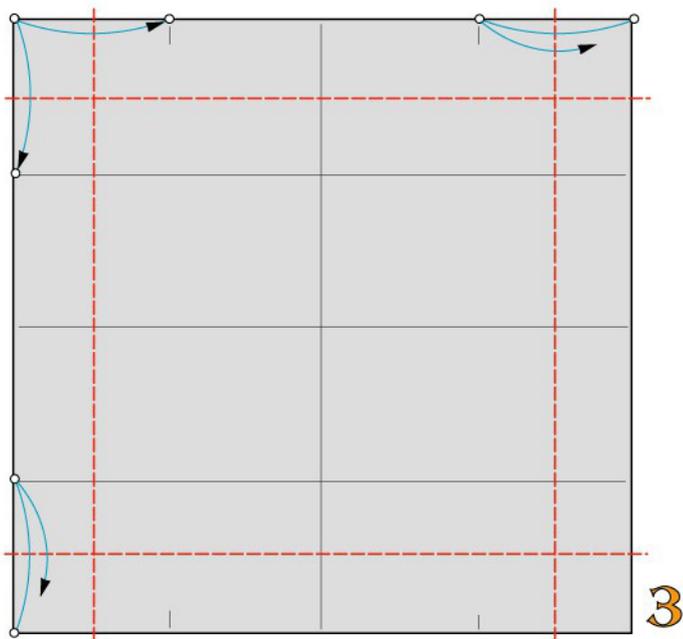




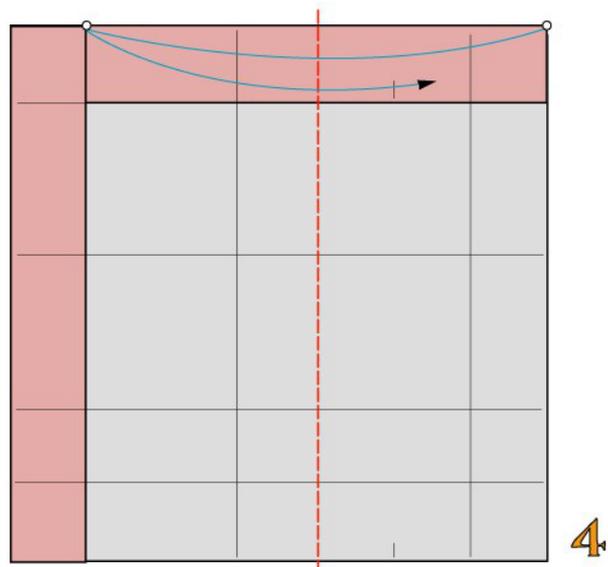
2 pieghe a monte



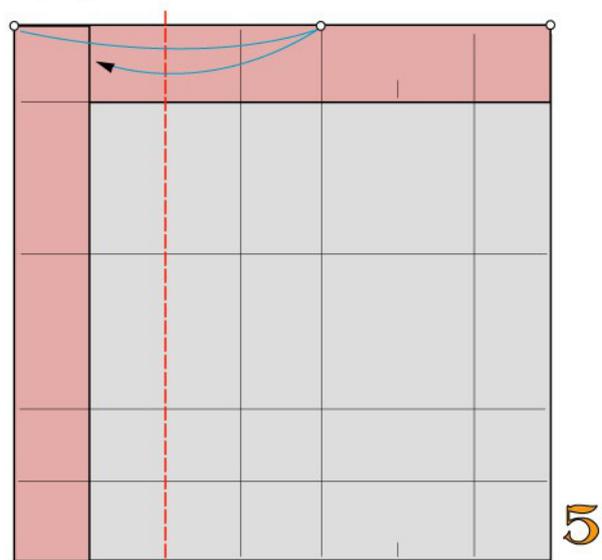
6 pieghe a valle



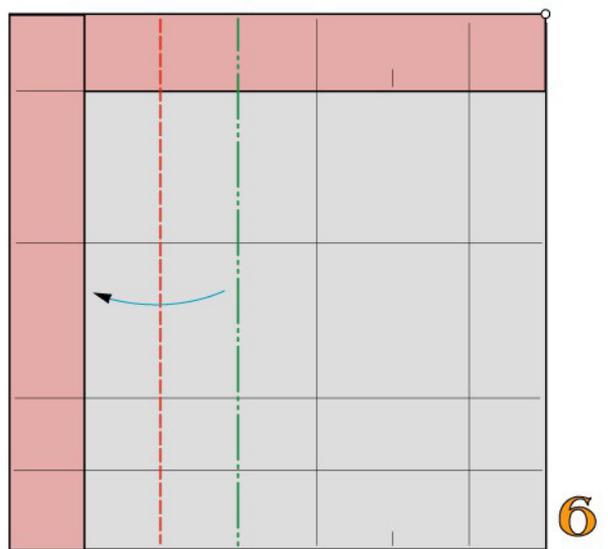
4 pieghe a valle



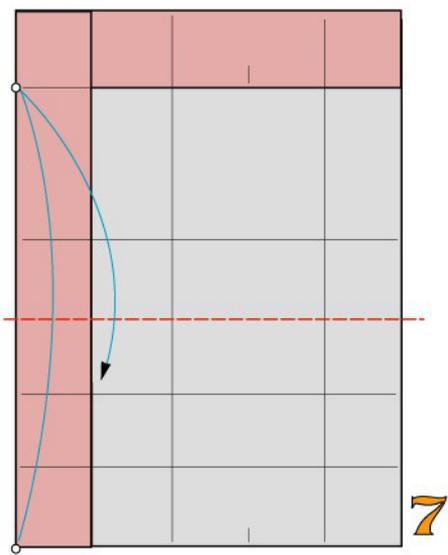
1 piega a valle



1 piega a valle

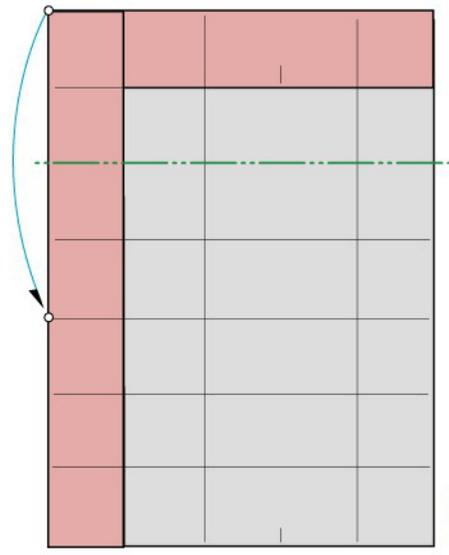


Ripiegate a valle e a monte



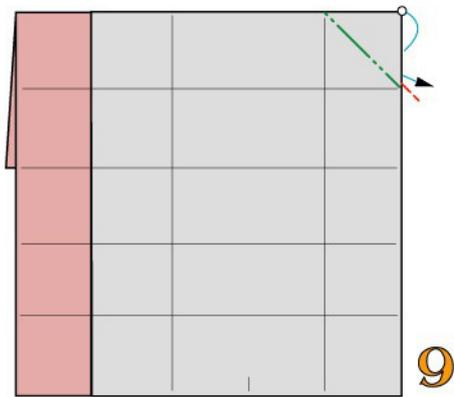
1 piega a valle

7



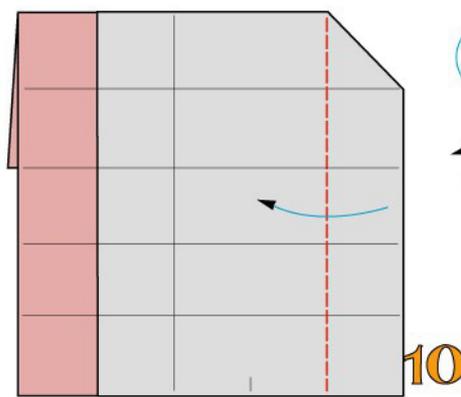
1 piega a monte

8



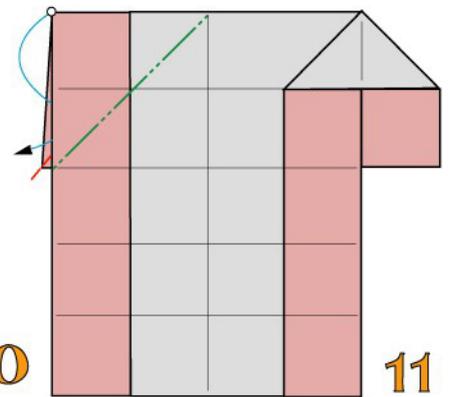
1 piega rovescia interna

9



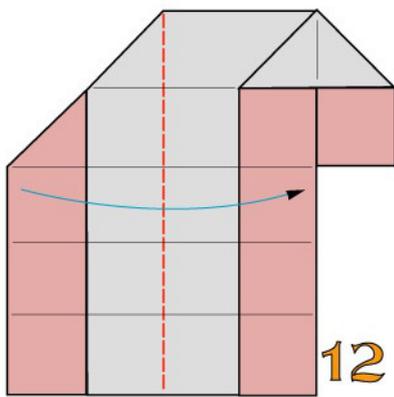
1 piega a valle

10



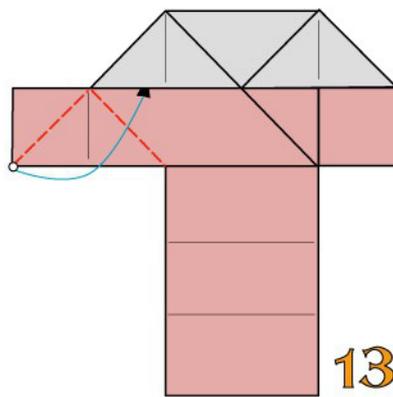
1 piega rovescia interna

11



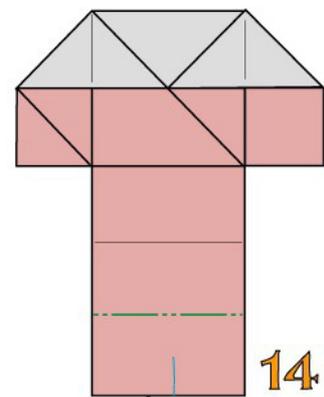
Ripiegate a valle

12



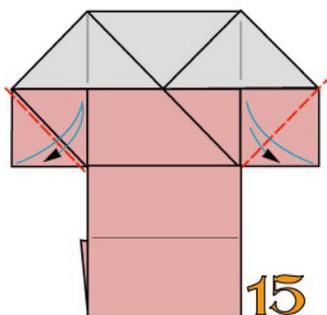
2 pieghe diagonali a valle e intascate

13



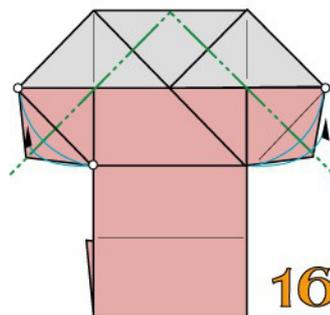
Ripiegate a monte

14



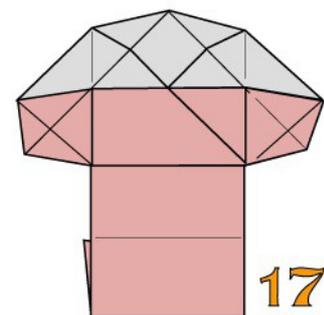
2 pieghe diagonali a valle

15



2 pieghe diagonali a monte

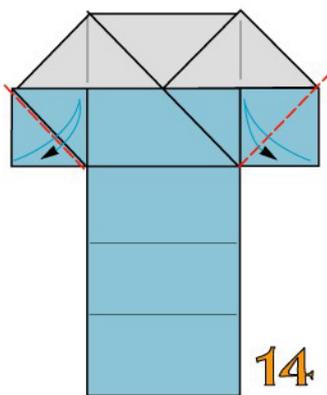
16



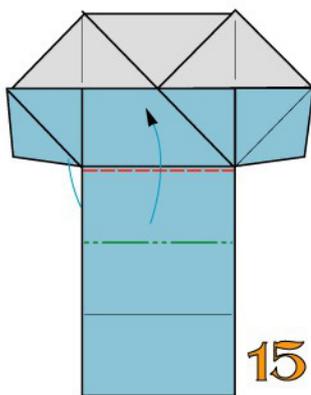
Modulo "B" sinistro ultimato

17

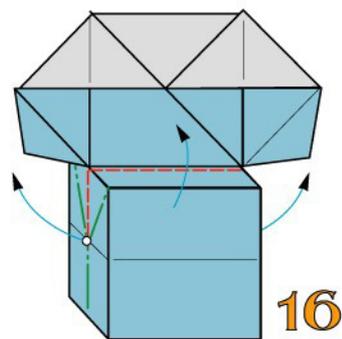
MODULO F6 DESTRO



14



15

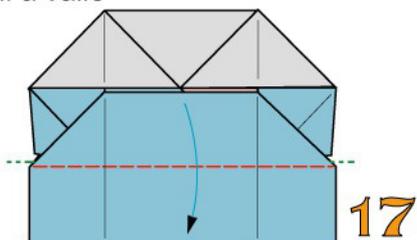


16

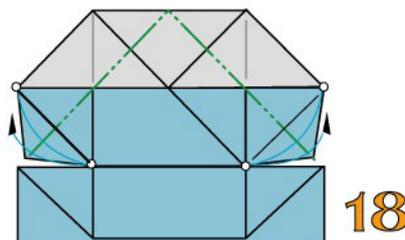
Partite dalla fig. 13 precedente.
2 pieghe diagonali a valle

Modellate 3D

Modellate 2D



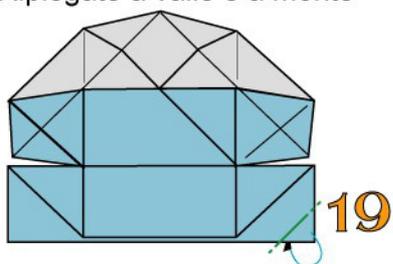
17



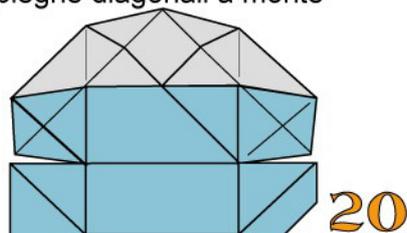
18

Ripiegate a valle e a monte

2 pieghe diagonali a monte



19

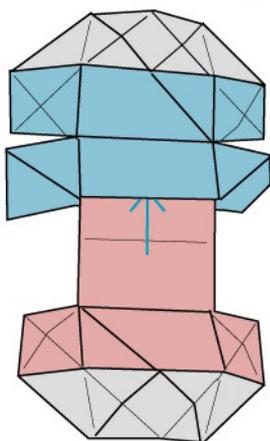


20

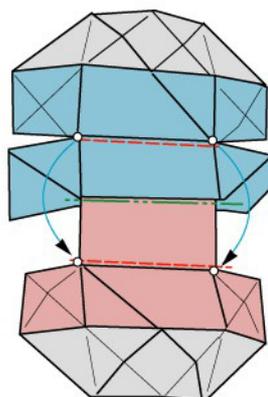
1 piega a monte

Modulo "B" destro ultimato

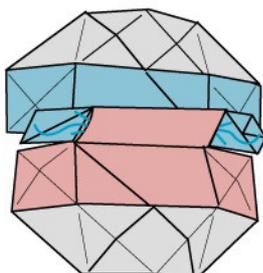
MODULO "F6" COMPOSTO



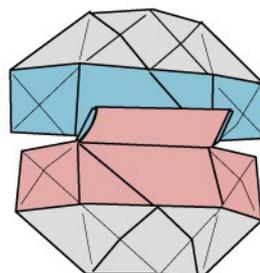
Inserite un modulo sinistro entro uno destro



Ripiegando a valle e a monte comprimate



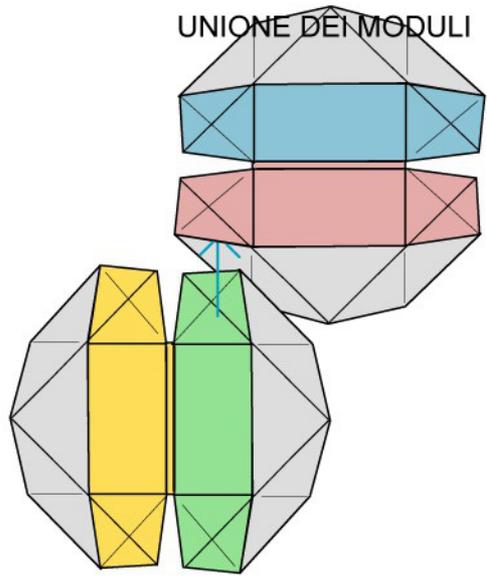
Mediante 2 pieghe a valle intascate e bloccate l'unione



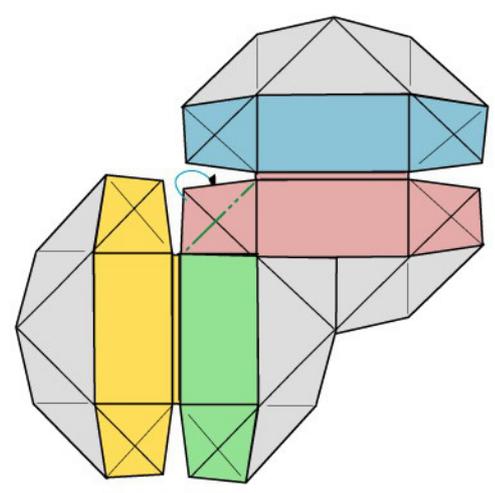
Ribaltate



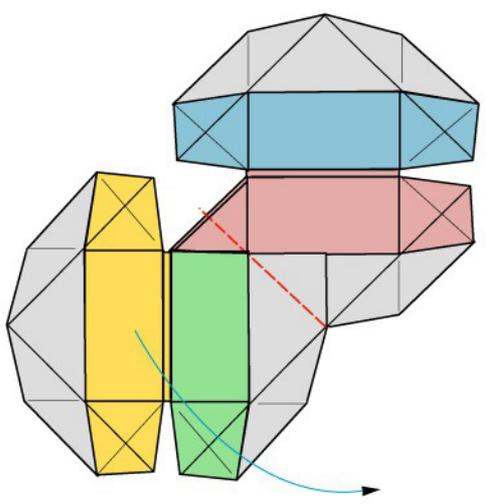
UNIONE DEI MODULI



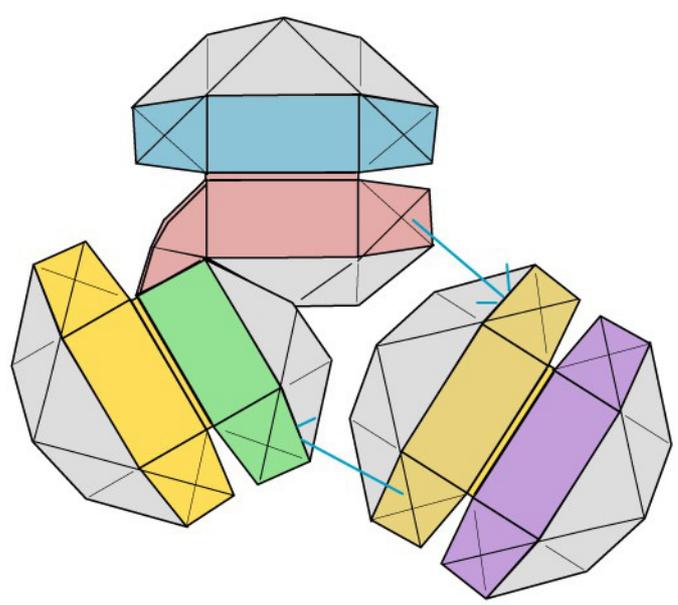
Intascate un modulo composto in un altro



Mediante 1 piega a monte intascando bloccate l'unione



Ripiegate a valle

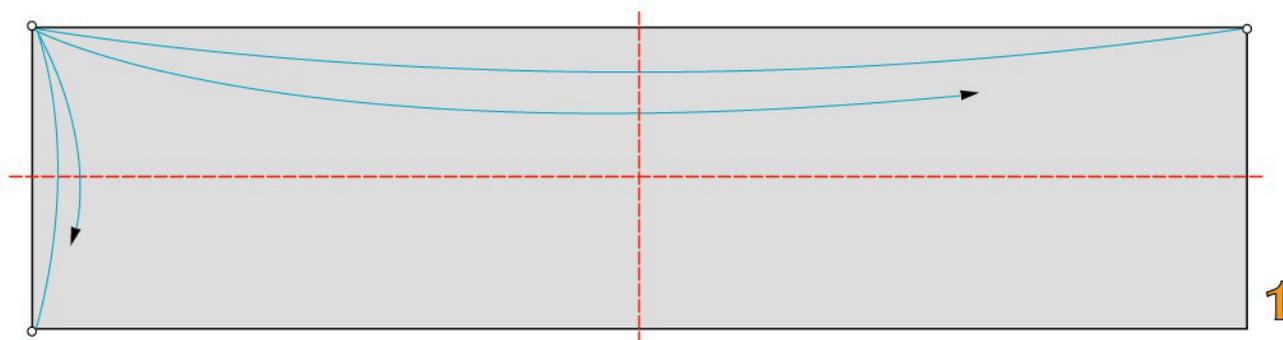


Aggiungete 1 altro modulo composto

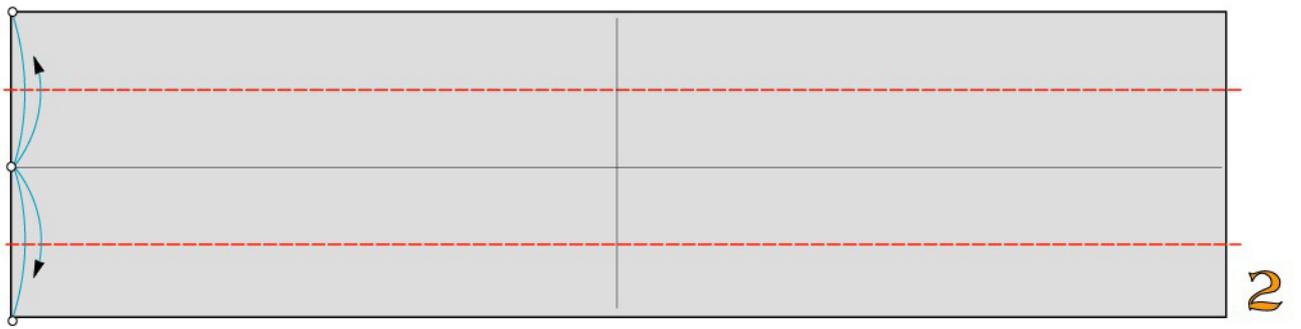
POLIEDRO DI FIORI "A"

Franco Pavarin

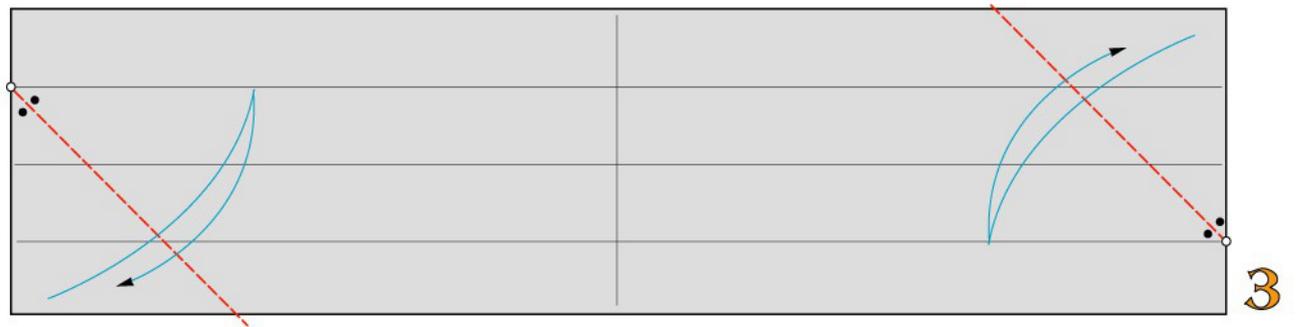
Con questo modulo è possibile costruire molti poliedri.
In questo caso si tratta di un icosaedro.
Adoperate 30 fogli di carta bicolore di medio peso delle
dimensioni di cm 18x4,5 (4x1)



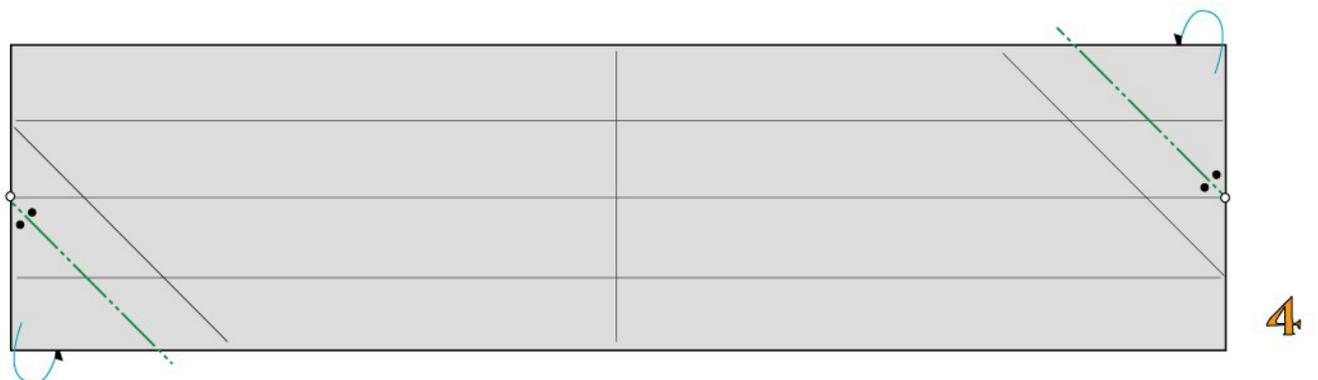
2 pieghe a valle



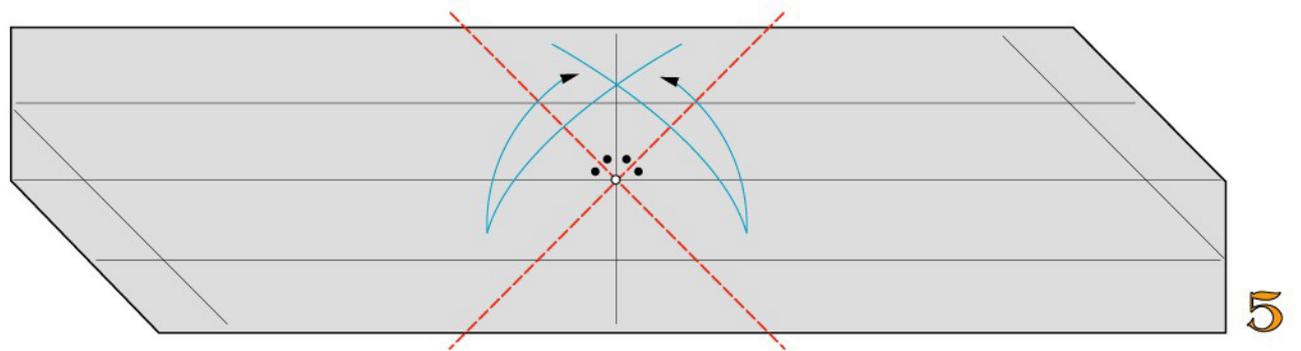
2 pieghe a valle



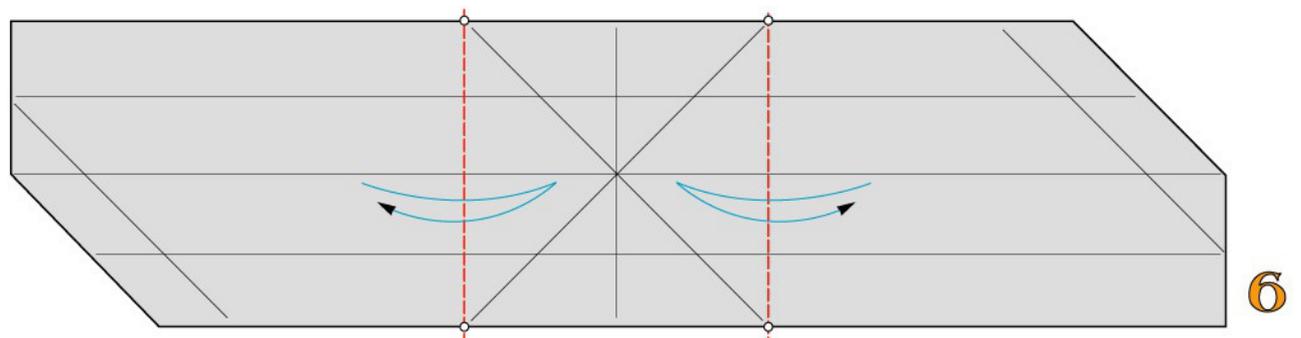
2 pieghe bisettrici a valle



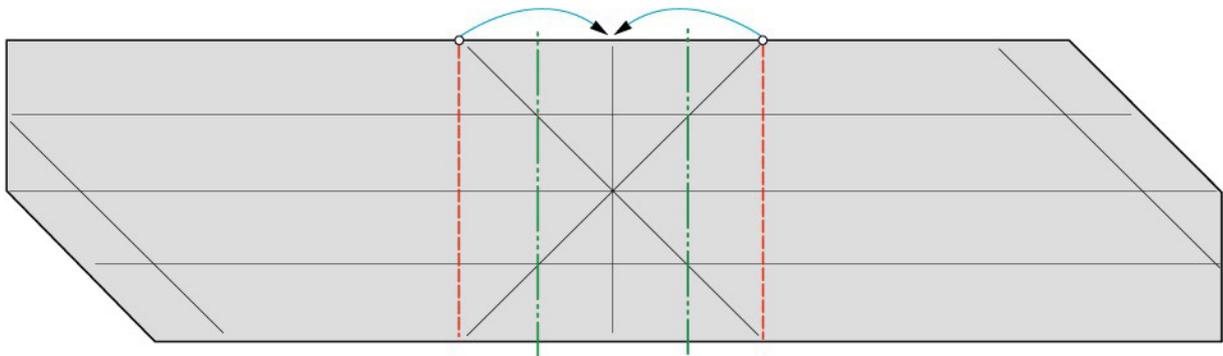
2 pieghe bisettrici a monte



2 pieghe bisettrici a valle

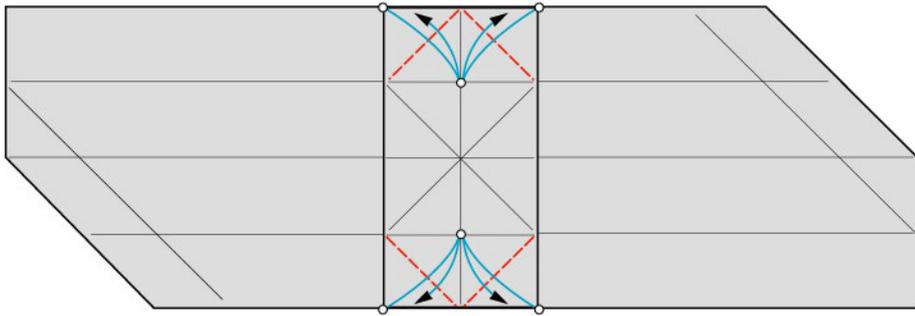


2 pieghe a valle



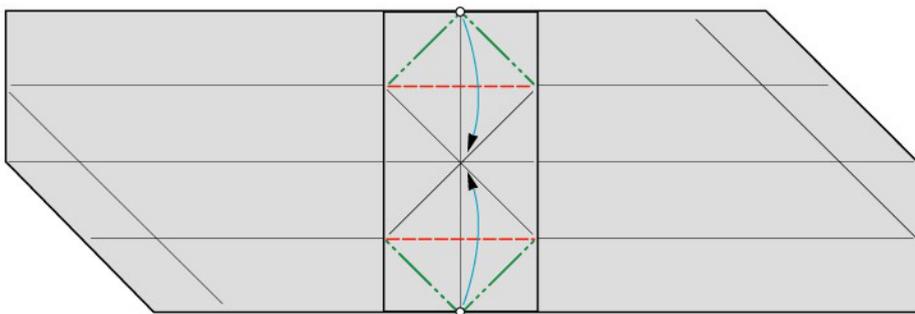
7

2 pieghe a monte e ripiegate a valle



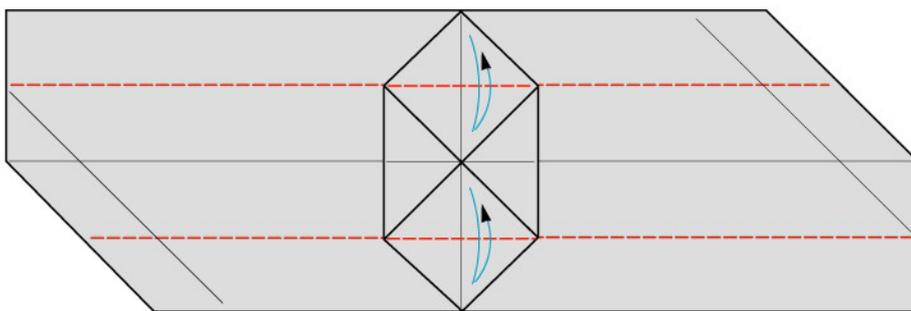
8

2 pieghe diagonali a valle



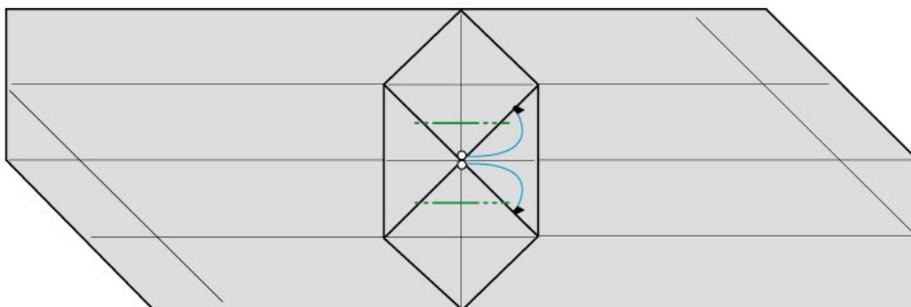
9

Ripiegate a valle e a monte



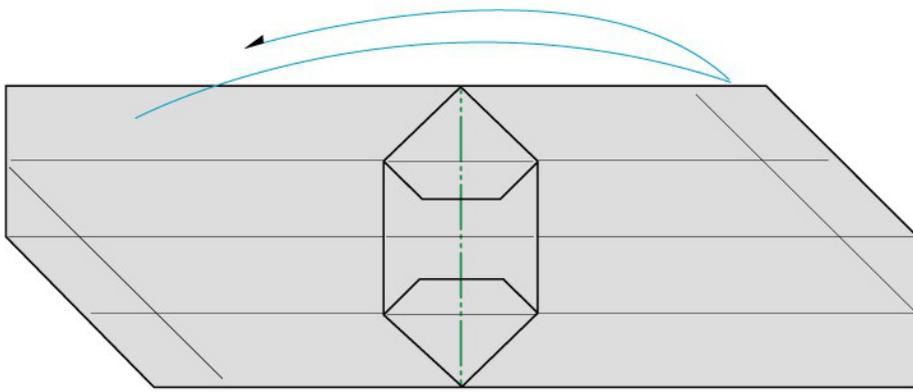
Ripiegate a valle

10



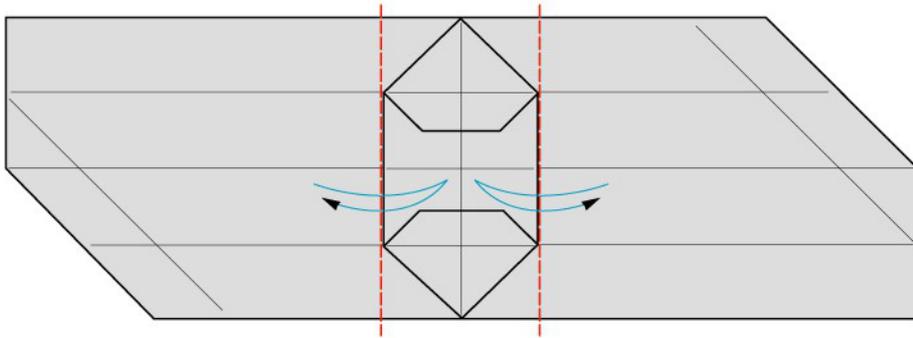
2 pieghe a monte

11



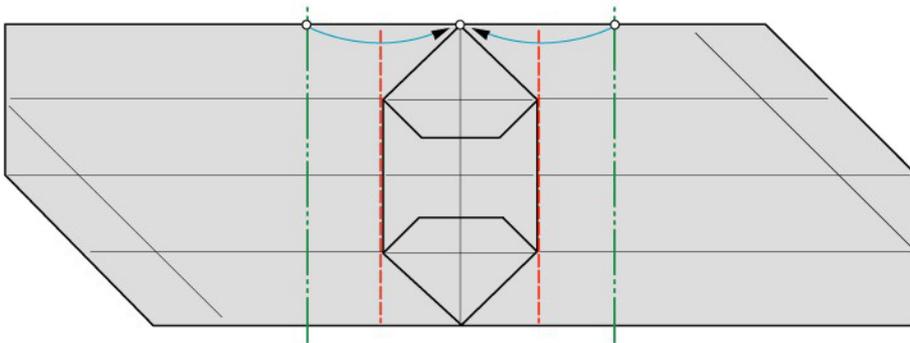
Ripiegate a monte

12



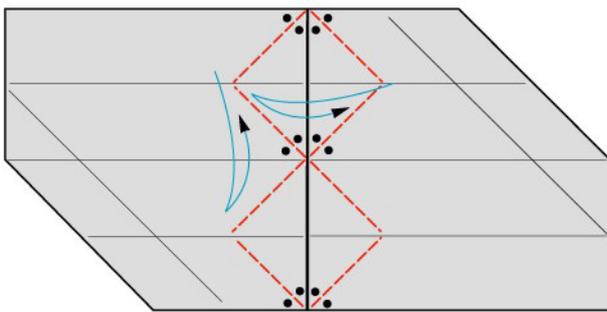
2 pieghe a valle

13



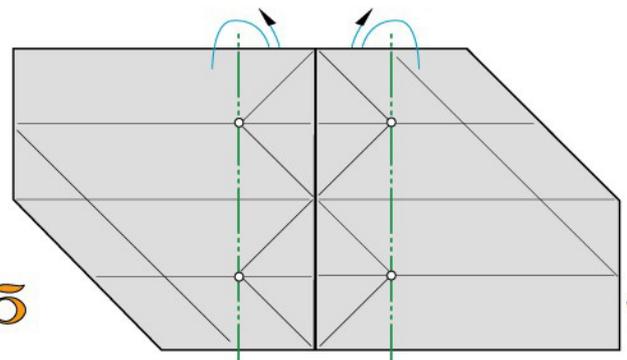
14

2 pieghe a monte e ripiegate a valle



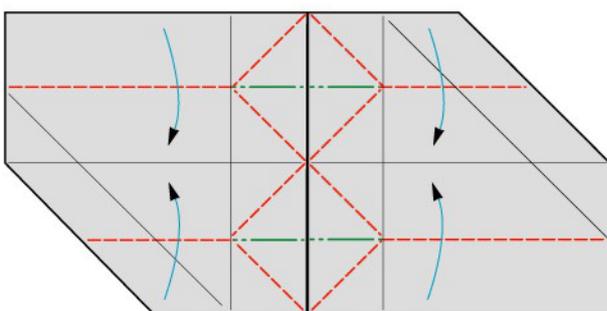
6 pieghe bisettrici a valle

15



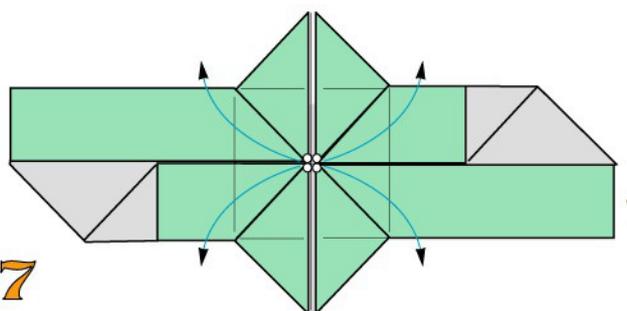
2 pieghe a monte

16



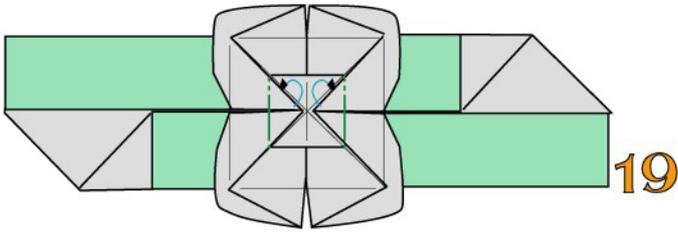
Ripiegate a valle e a monte

17

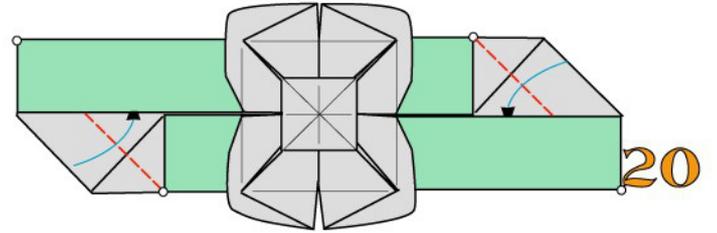


Riaprite il fiore modellando 3D

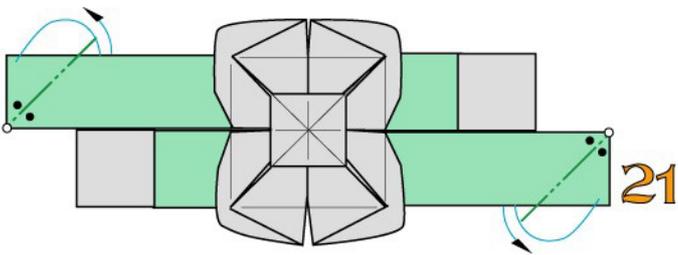
18



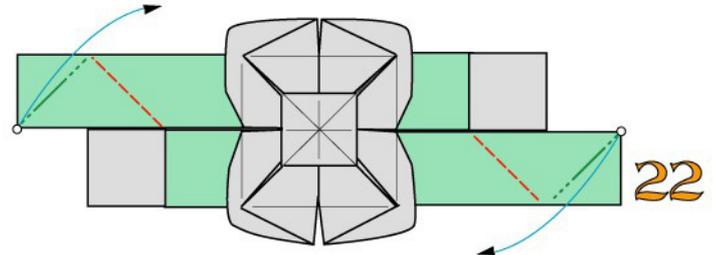
2 pieghe a monte



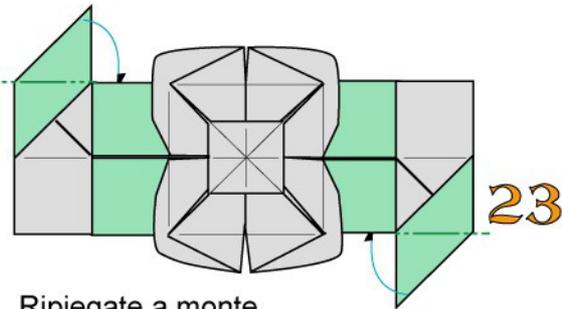
2 pieghe a valle



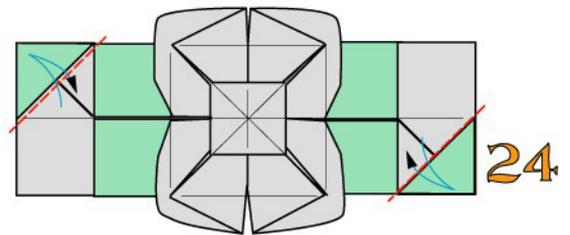
2 pieghe bisettrici a monte



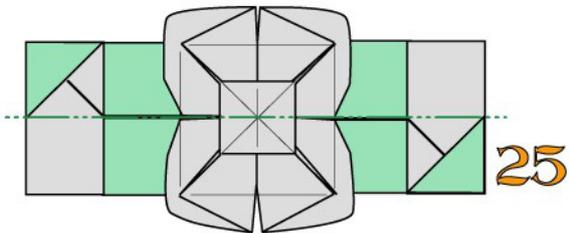
Ripiegate a valle e a monte



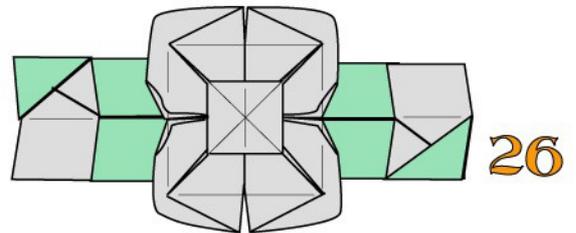
Ripiegate a monte



Ripiegate a valle

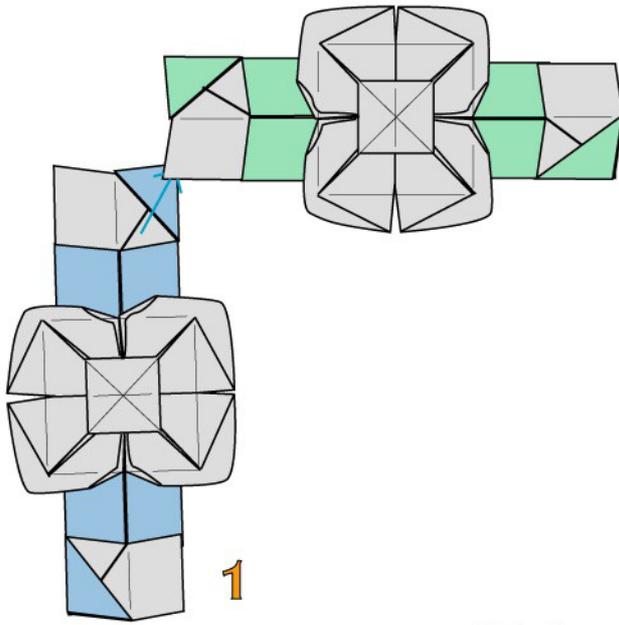


Ripiegate a monte

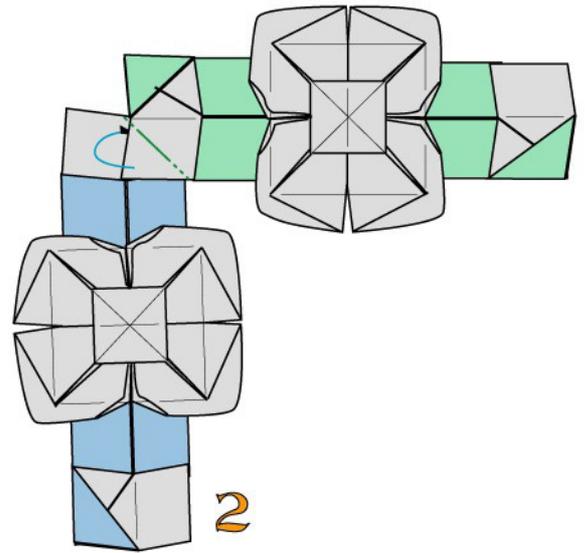


Modulo ultimato

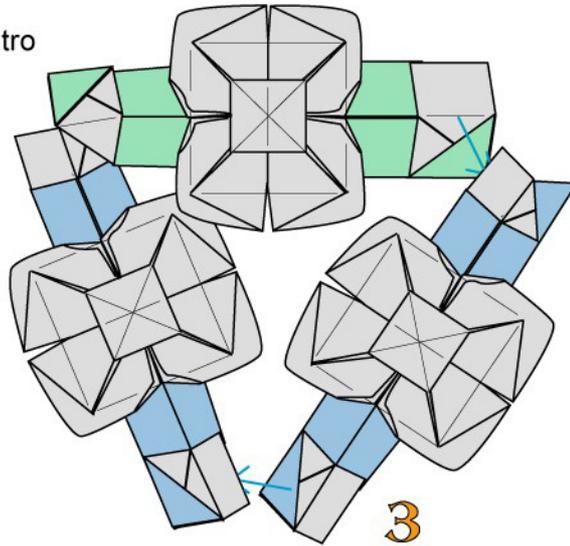
UNIONE DEI MODULI



Inserite un modulo nell'altro



Mediante una piega a monte bloccate l'unione

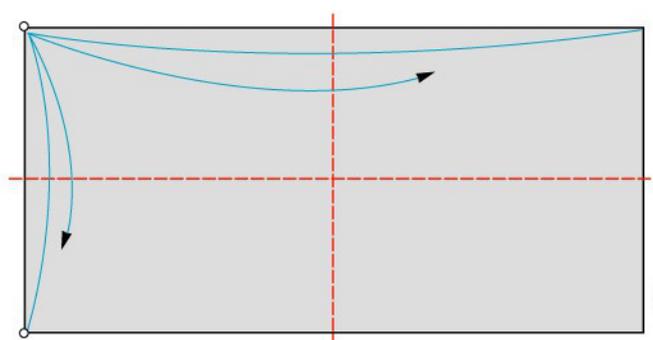


Inserite un nuovo modulo

POLIEDRO DI FIORI "B"

Franco Pavarin

Con questo modulo è possibile costruire molti poliedri.
In questo caso si tratta di un icosaedro.
Adoperate 30 fogli di carta bicolore di medio peso delle
dimensioni di cm 15x7,5 (2x1)



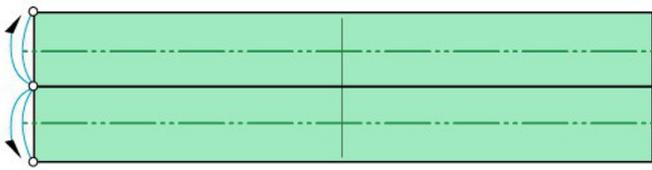
2 pieghe a valle

1



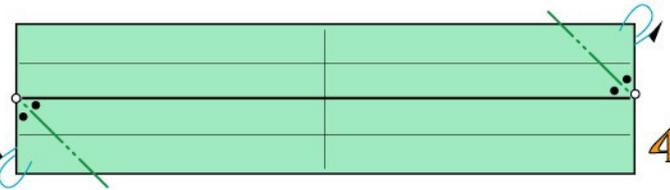
2 pieghe a valle

2



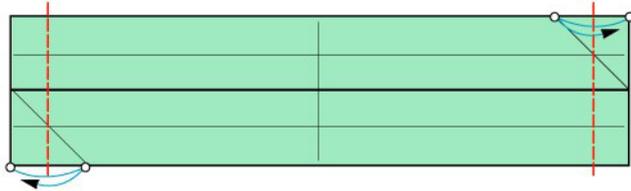
2 pieghe a monte

3



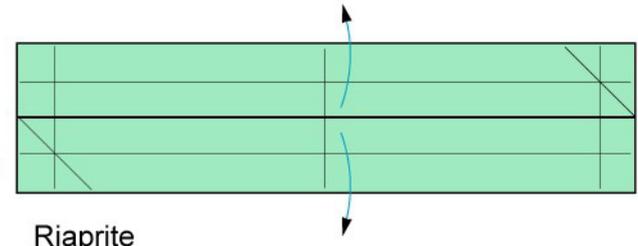
2 pieghe bisettrici a monte

4



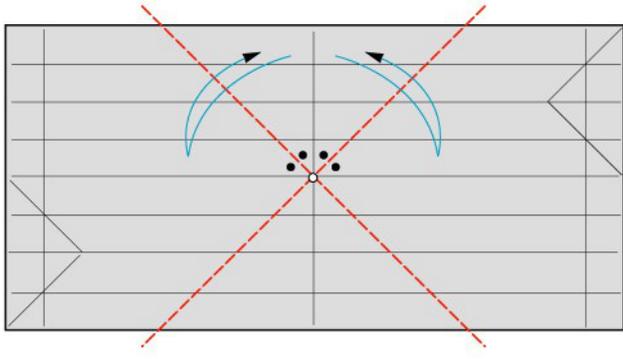
2 pieghe a valle

5



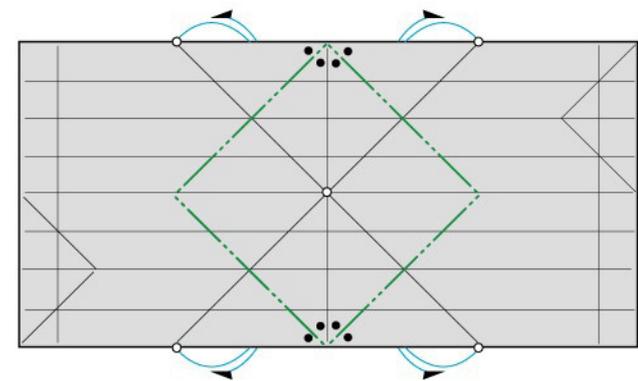
Riaprite

6



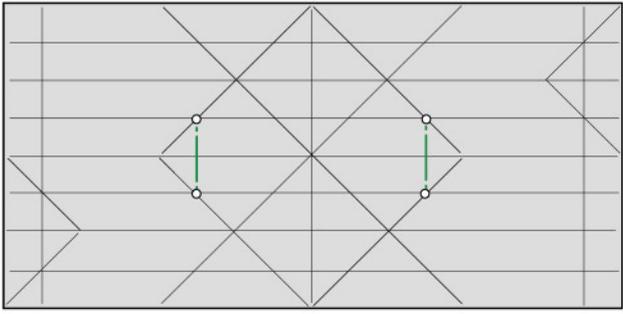
2 pieghe bisettrici a valle

7



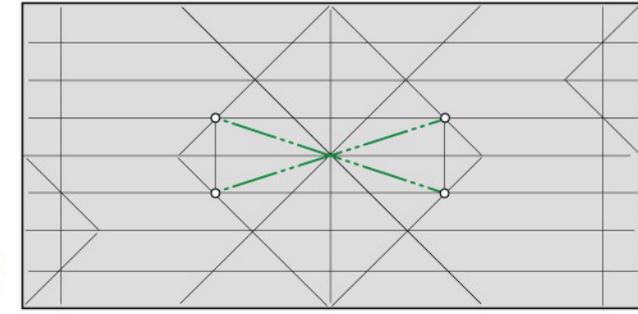
4 pieghe bisettrici a monte

8



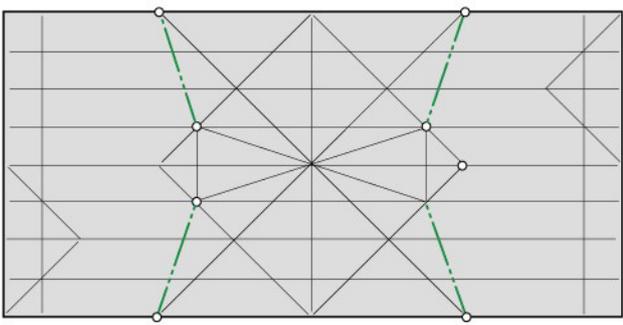
2 pieghe a monte

9



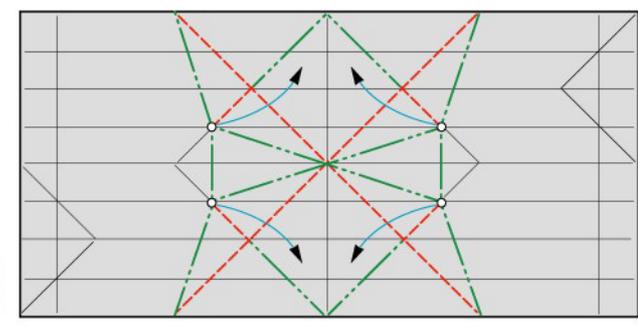
2 pieghe a monte

10



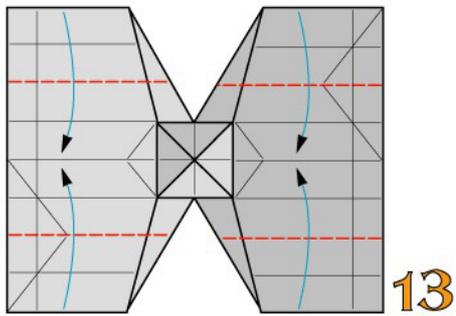
4 pieghe a monte

11

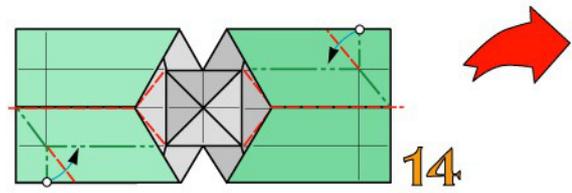


Ripiegate a valle e a monte

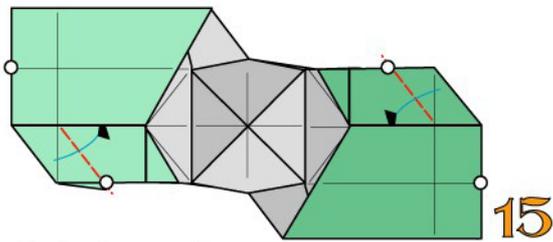
12



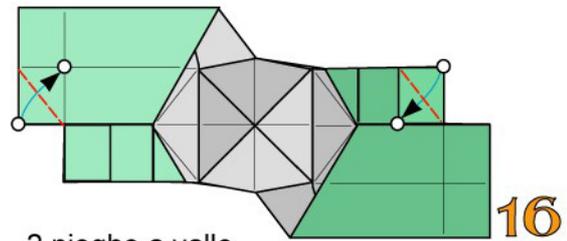
Ripiegate a valle e a monte



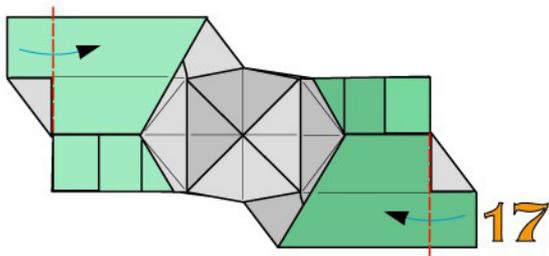
Ripiegate a valle e a monte



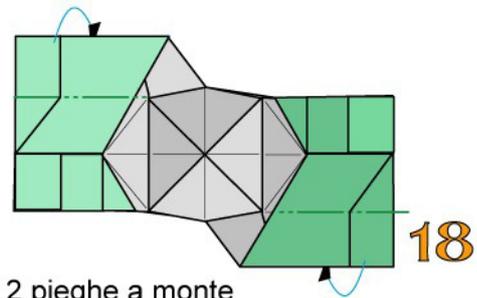
2 pieghe a valle



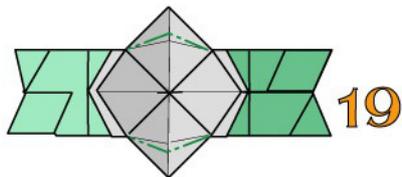
2 pieghe a valle



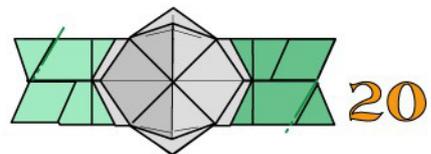
2 pieghe a valle



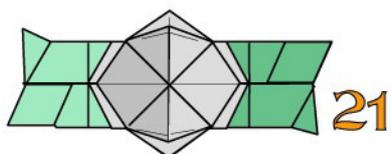
2 pieghe a monte



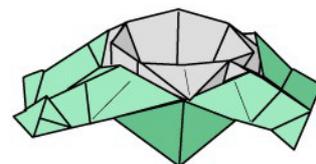
4 pieghe a monte



2 pieghe a monte

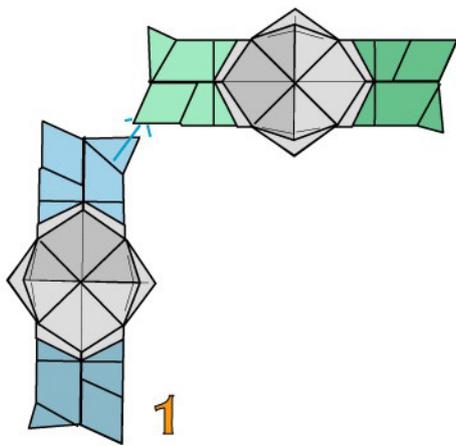


Modulo ultimato

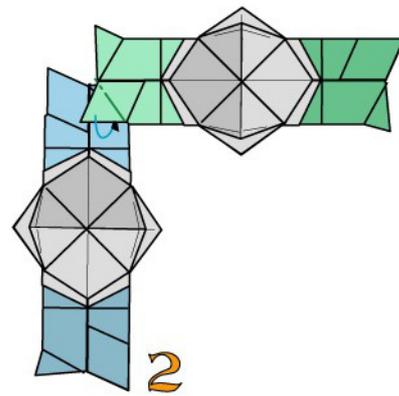


Modulo ultimato: prospettiva

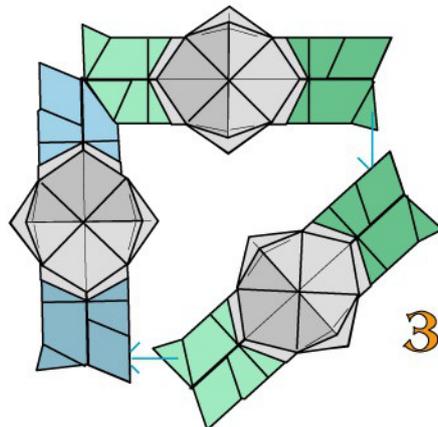
UNIONE DEI MODULI



inserie 1 modulo ruotato di 90° nell'altro



Piegate a monte bloccando l'unione

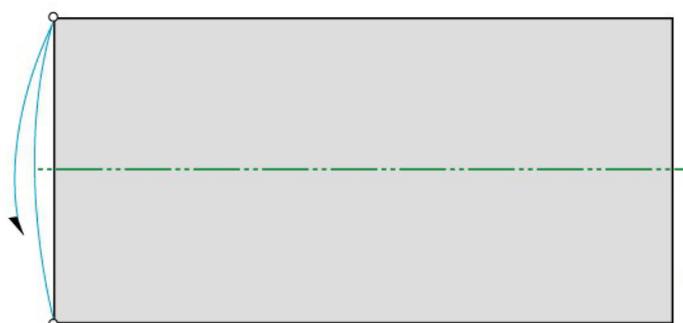
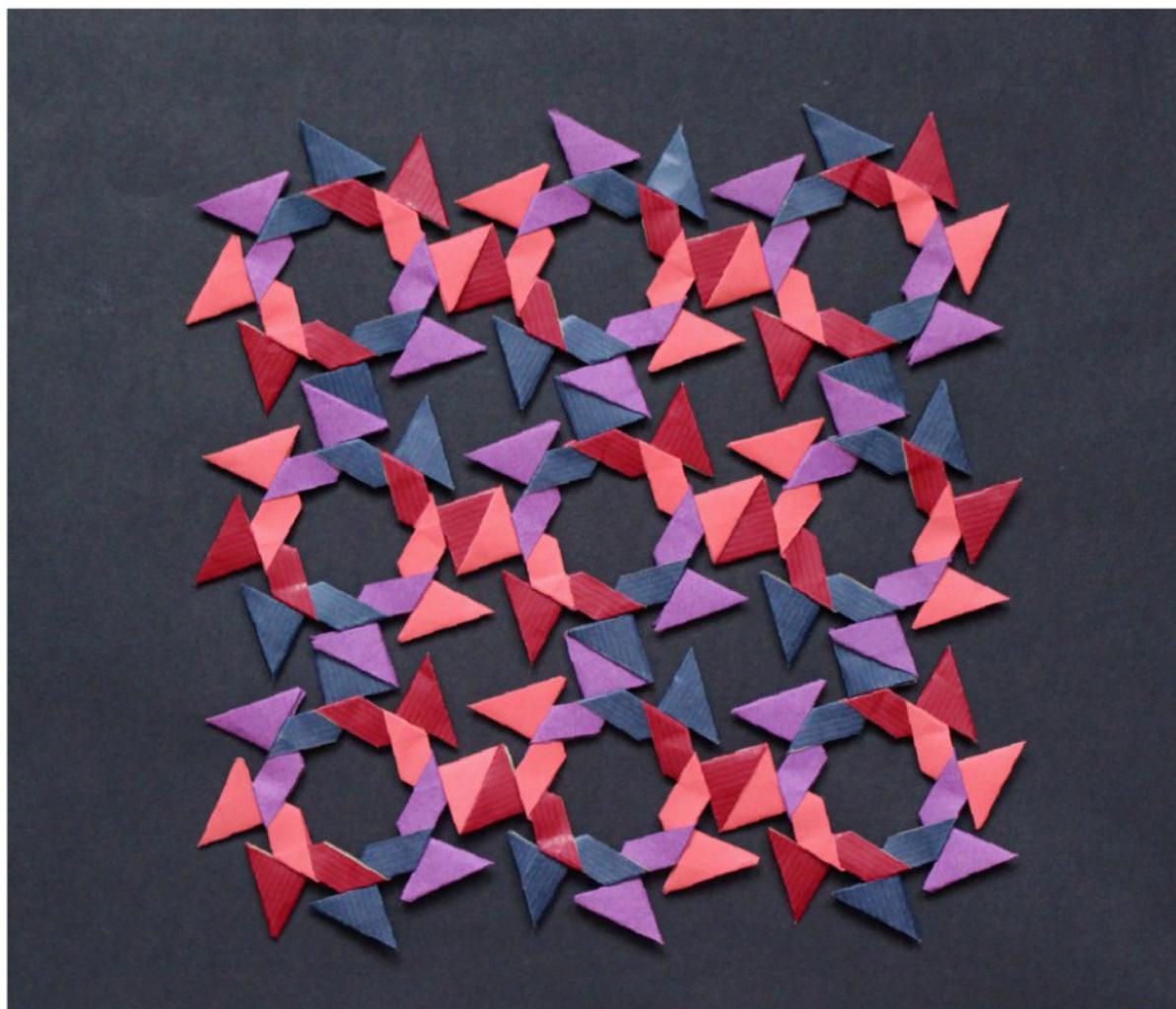


Inserite un nuovo modulo

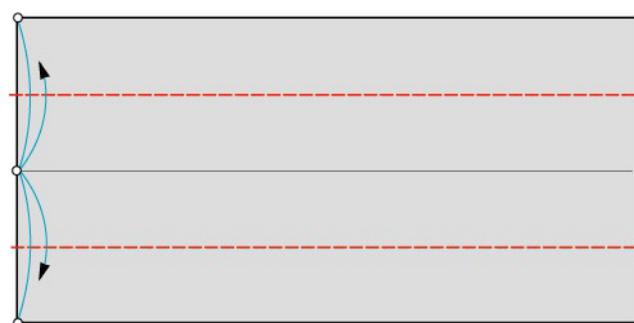
TASSELLAZIONE "A" MODULARE TRAFORATA

Franco Pavarin 24

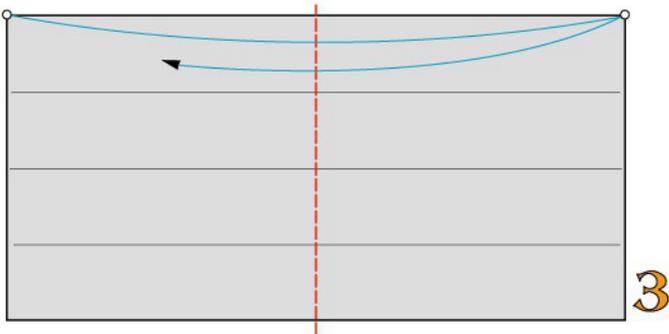
Adoperate fogli monocolori di medio peso formato cm10x5



1 piega a monte

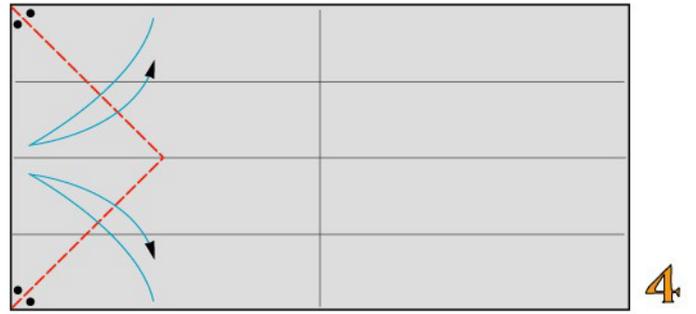


2 pieghe a valle



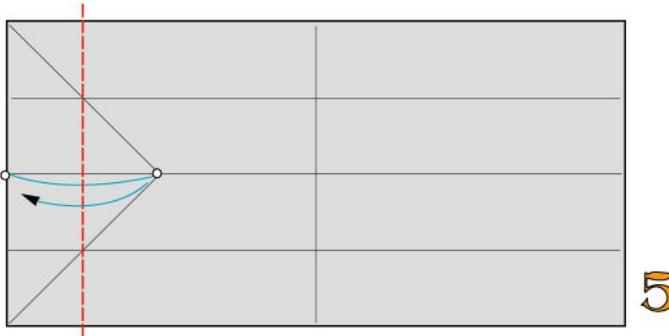
3

1 piega a valle



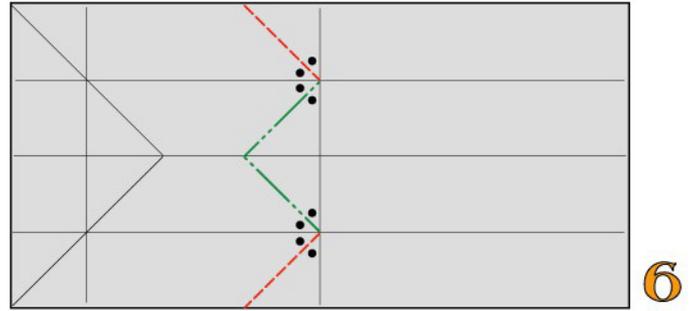
4

2 pieghe bisettrici a valle



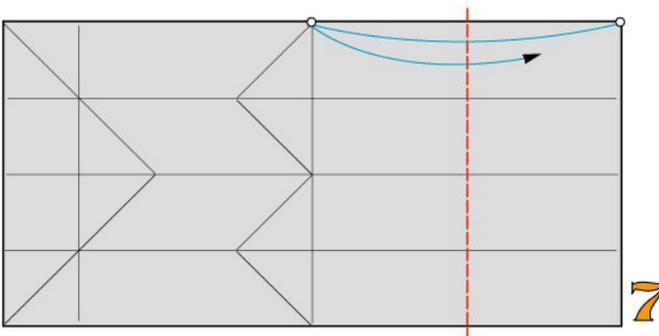
5

1 piega a valle



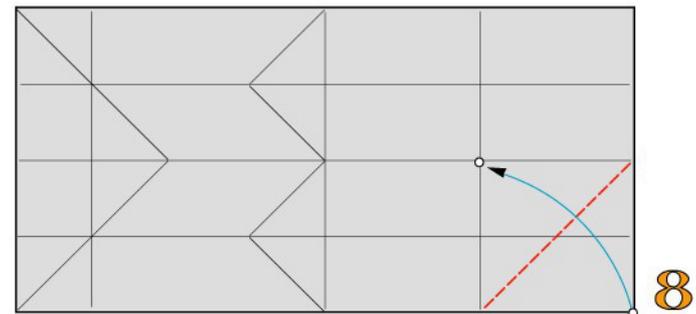
6

2 pieghe bisettrici a valle e 2 a monte



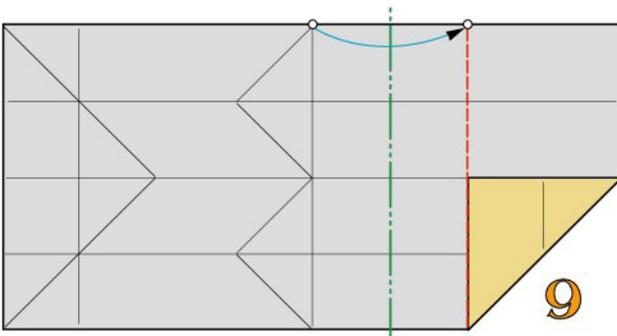
7

1 piega a valle



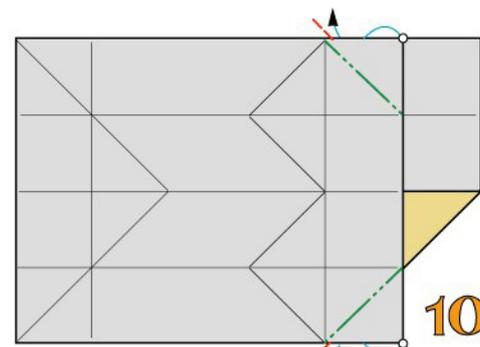
8

1 piega diagonale a valle



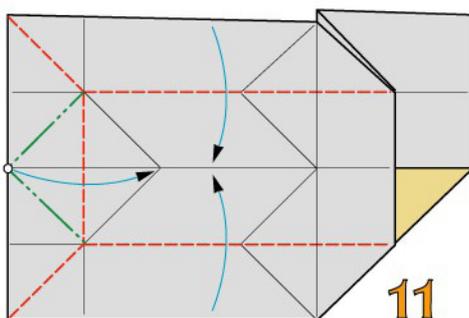
9

1 piega a monte e ripiegate a valle



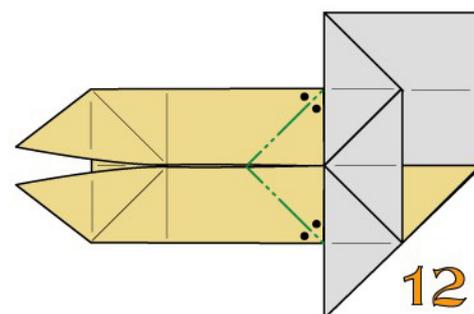
10

2 pieghe rovesce interne



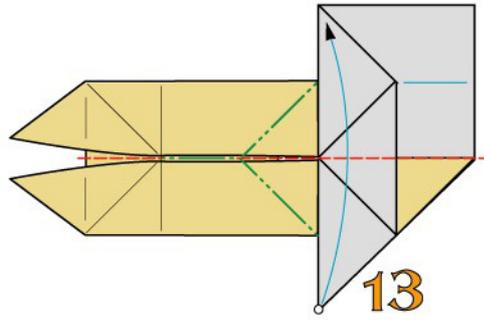
11

Ripiegate a valle e a monte

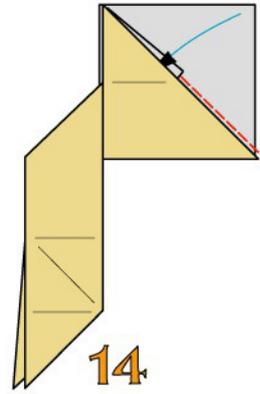


12

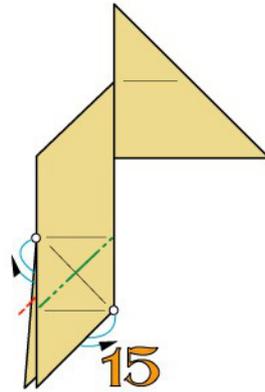
2 pieghe bisettrici a monte



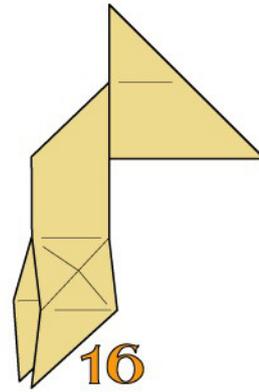
Ripiegate a valle e a monte



1 piega a valle e intascate



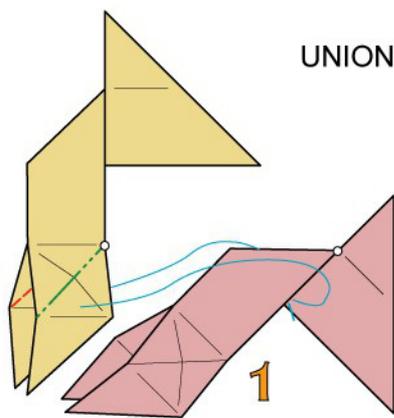
1 pieghe a monte,
1 per lato



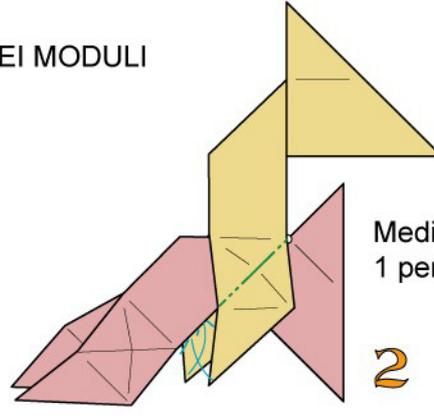
Modulo per tassellazione
"A" ultimato

UNIONE DEI MODULI

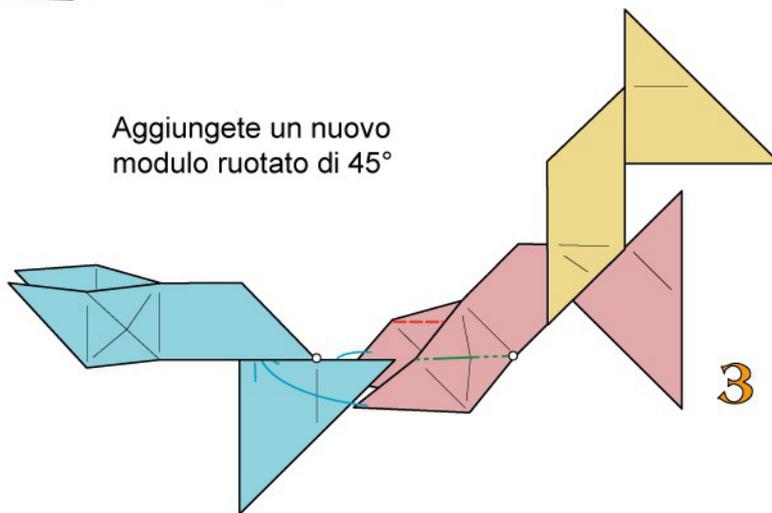
Posizionate un modulo
ruotato di 45° entro l'altro



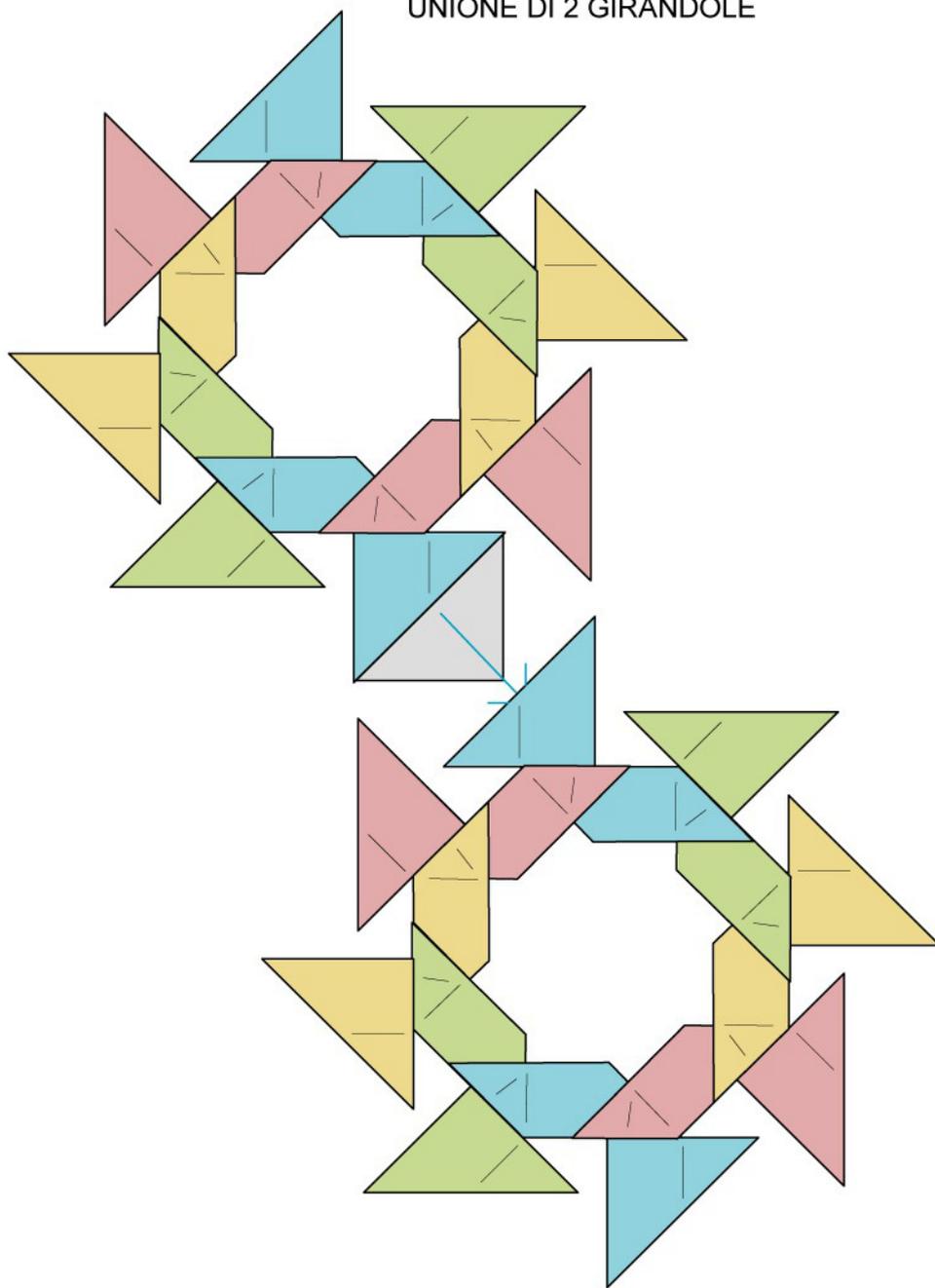
Mediante 2 pieghe a monte,
1 per lato, bloccate l'unione



Aggiungete un nuovo
modulo ruotato di 45°



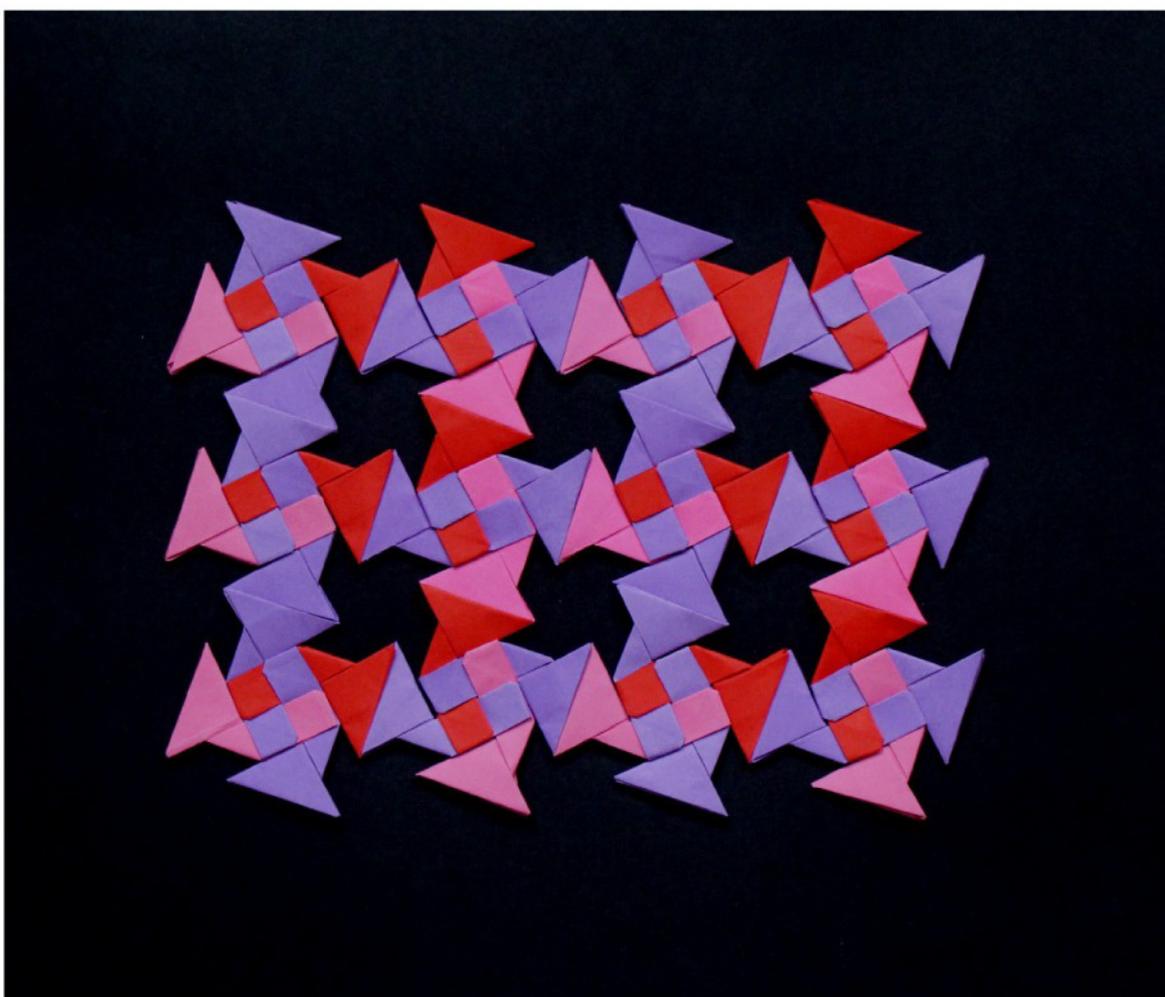
UNIONE DI 2 GIRANDOLE



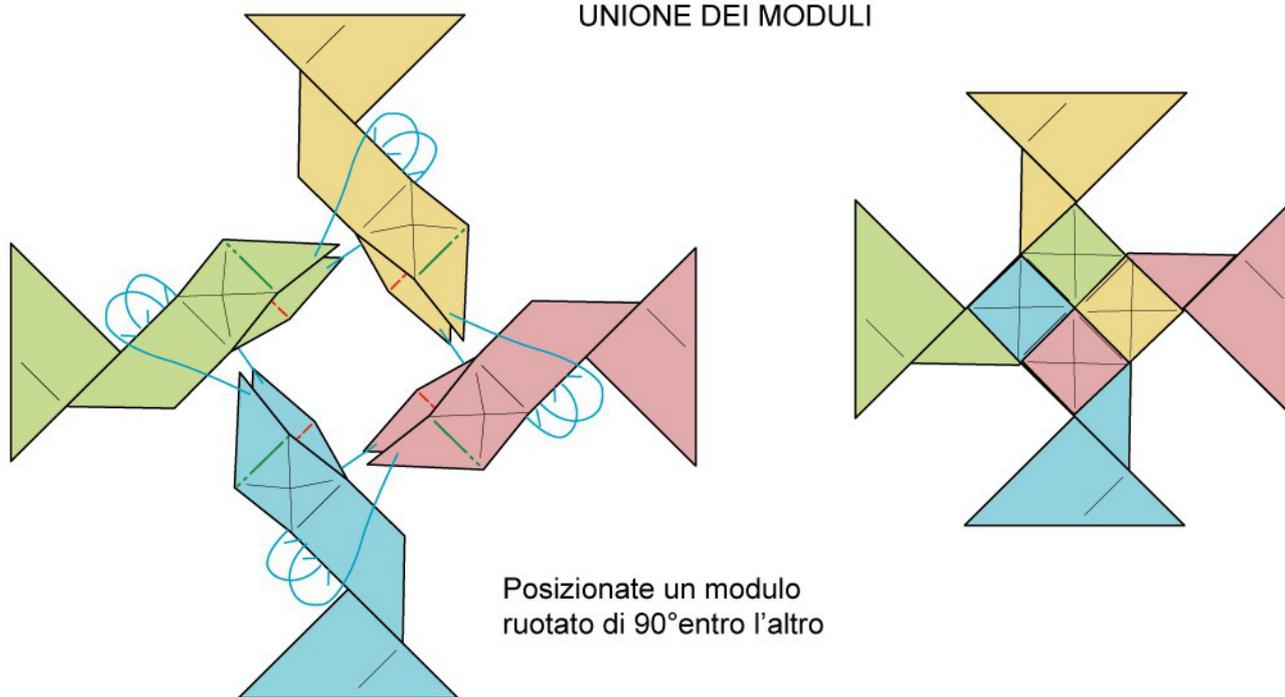
TASSELLAZIONE "B" MODULARE TRAFORATA

Franco Pavarin 24

Adoperate moduli per tassellazione "A"

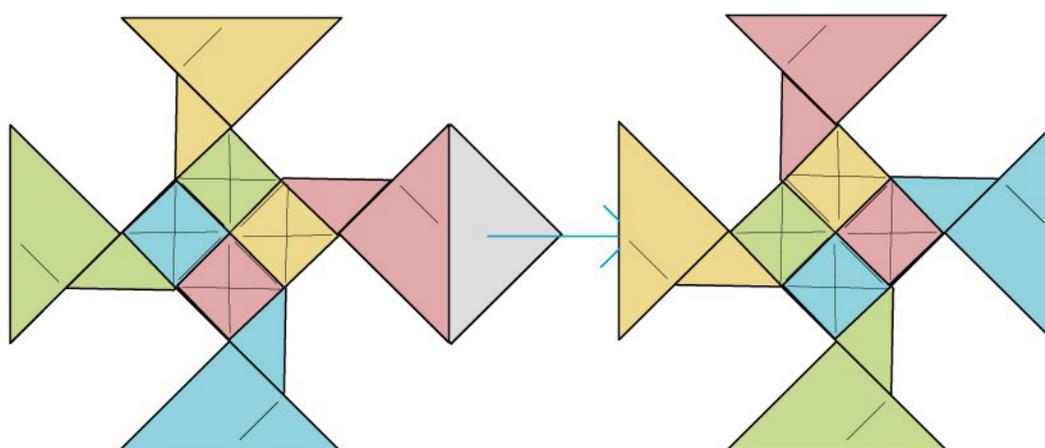


UNIONE DEI MODULI



Posizionate un modulo
ruotato di 90° entro l'altro

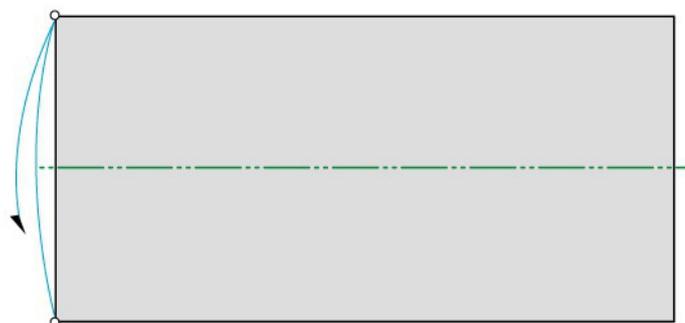
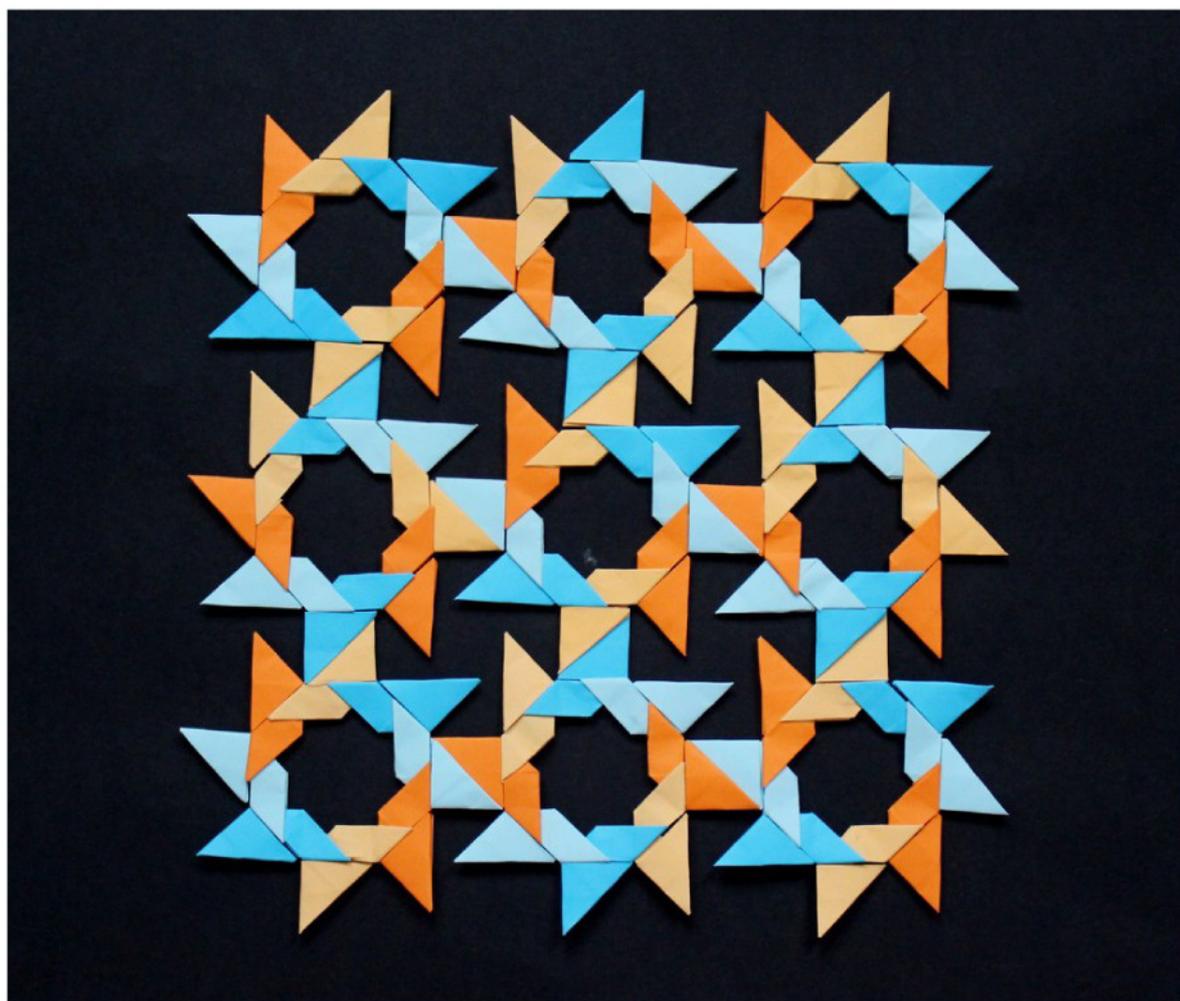
UNIONE DI 2 GIRANDOLE



TASSELLAZIONE "C" MODULARE TRAFORATA

Franco Pavarin 24

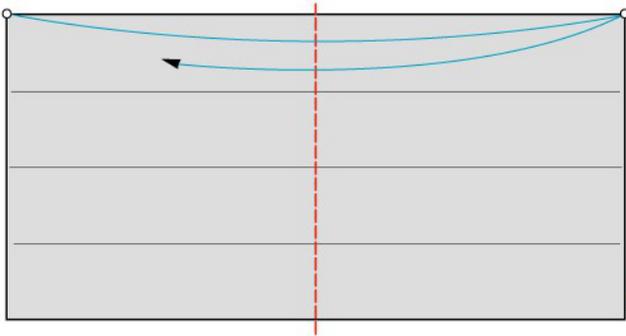
Adoperate fogli monocolori di medio peso formato cm10x5



1 piega a monte

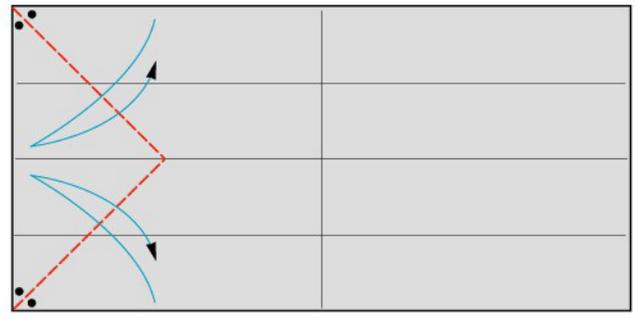


2 pieghe a valle



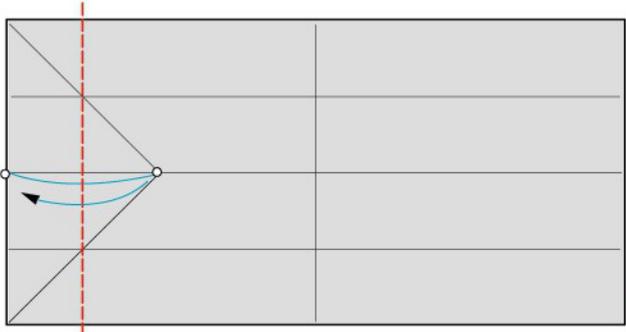
3

1 piega a valle



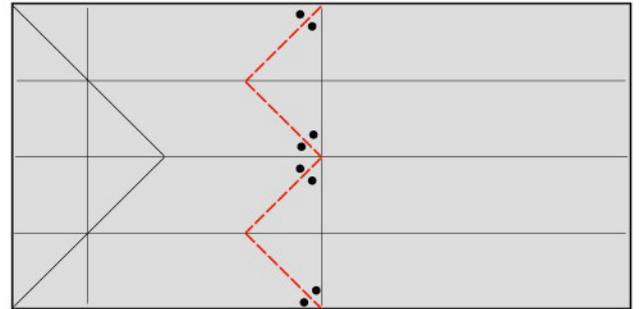
4

2 pieghe bisettrici a valle



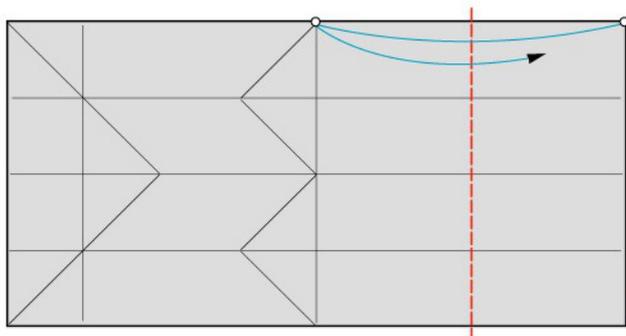
5

1 piega a valle



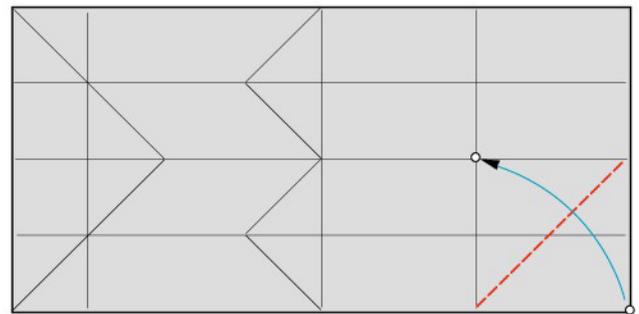
6

2 pieghe bisettrici a valle e 2 a monte



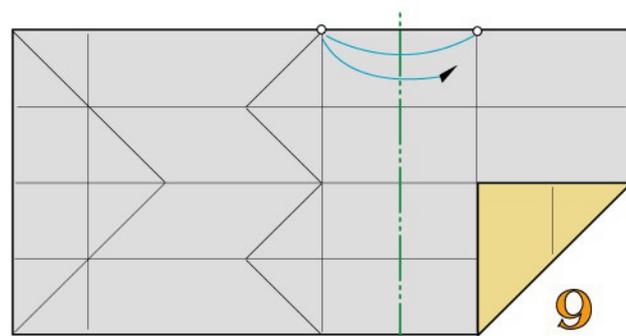
7

1 piega a valle



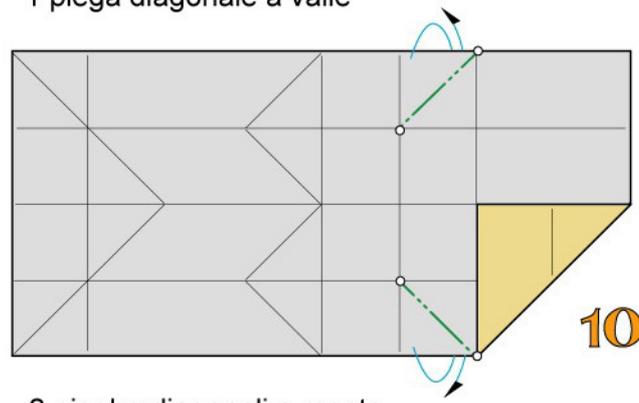
8

1 piega diagonale a valle



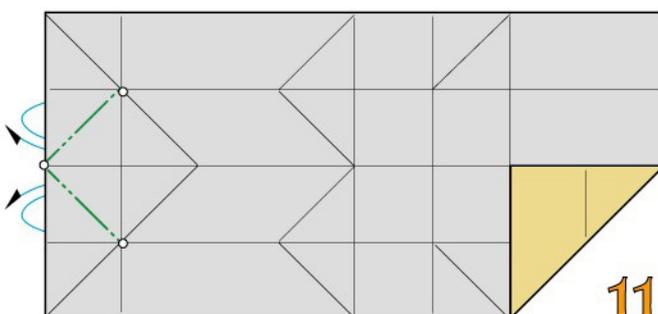
9

1 piega a monte



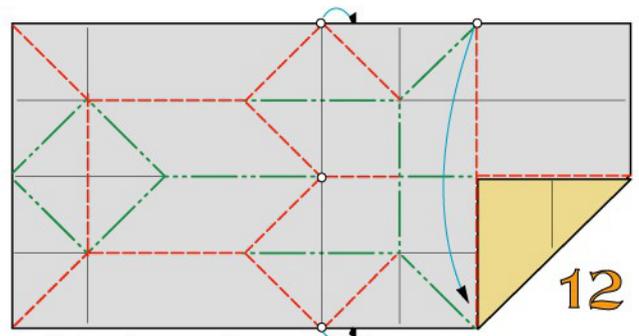
10

2 pieghe diagonali a monte



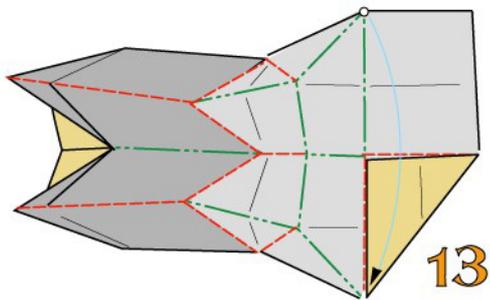
11

2 pieghe diagonali a monte

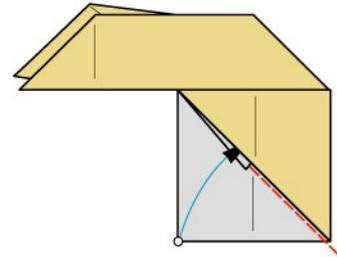


12

Ripiegate a valle e a monte

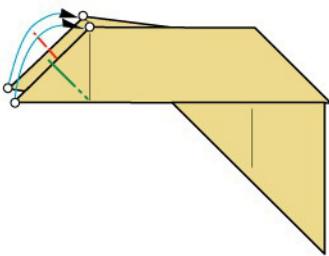


13



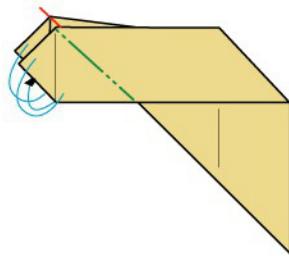
14

Ripiegando a valle intascate



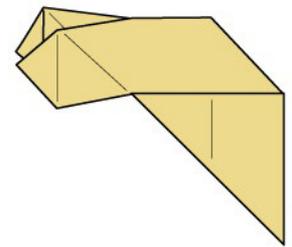
15

2 pieghe a monte, 1 per lato



16

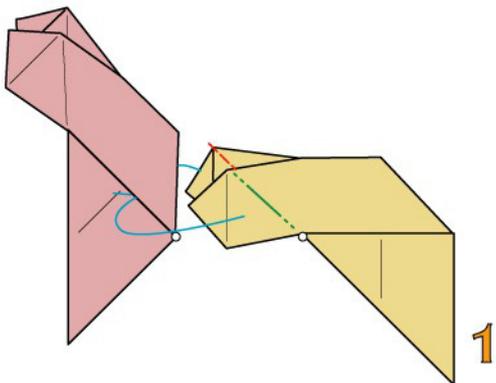
2 pieghe a monte, 1 per lato



17

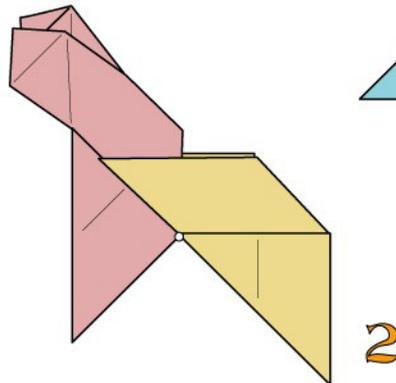
Modulo per tassellazione "C" ultimato

UNIONE DEI MODULI



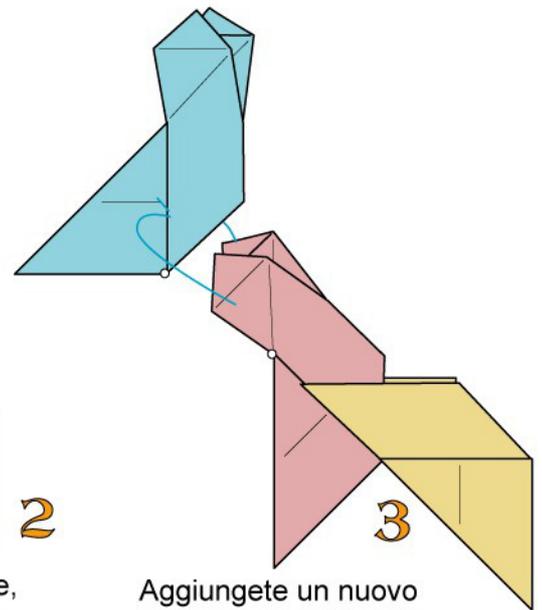
1

Posizionate un modulo ruotato di 45° entro l'altro



2

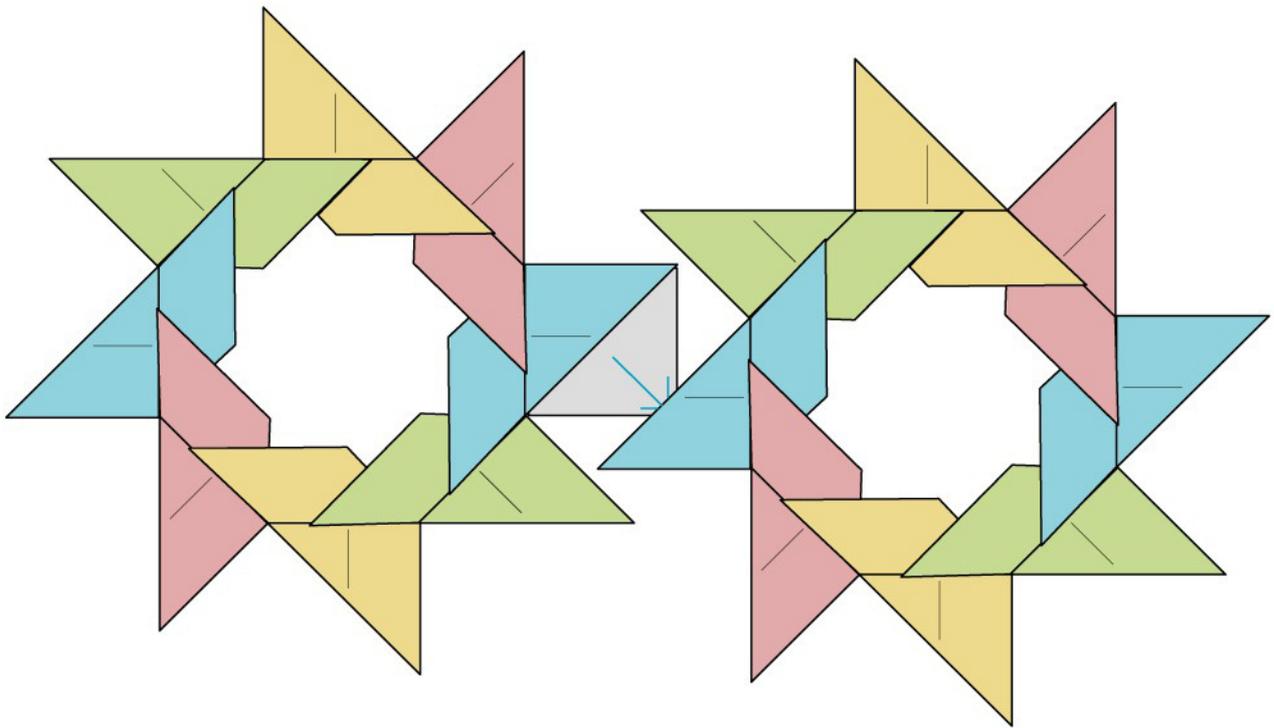
Mediante 2 pieghe a monte, 1 per lato, bloccate l'unione



3

Aggiungete un nuovo modulo ruotato di 45°

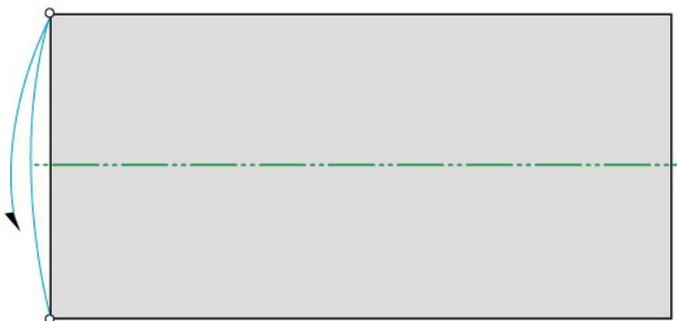
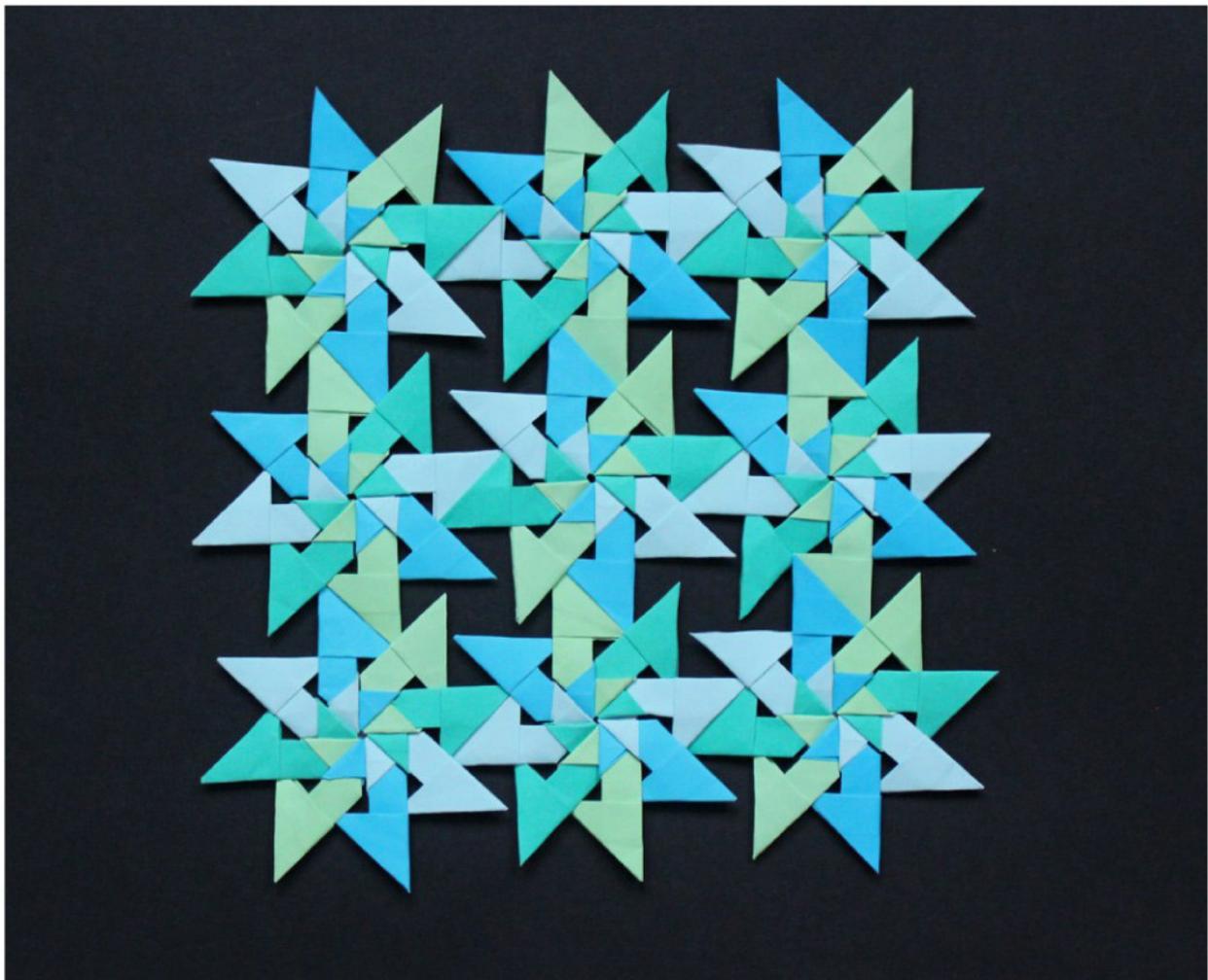
UNIONE DI 2 GIRANDOLE



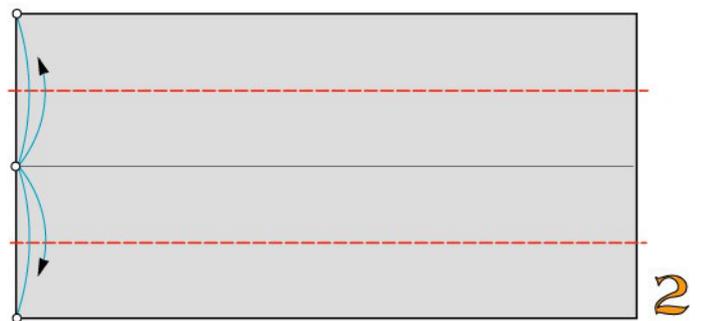
TASSELLAZIONE "D" MODULARE TRAFORATA

Franco Pavarin 24

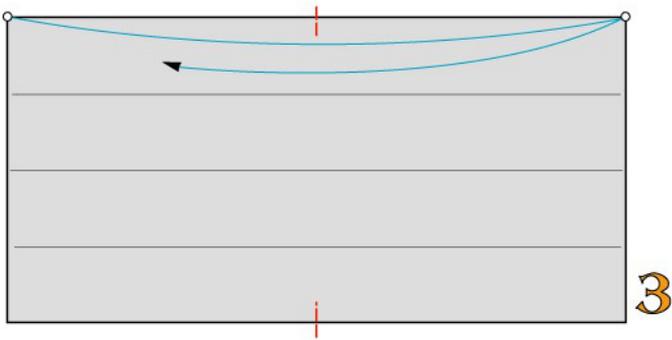
Adoperate fogli monocolori di medio peso formato cm10x5



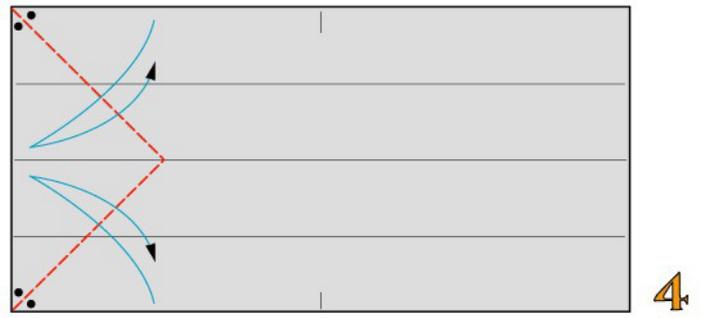
1 piega a monte



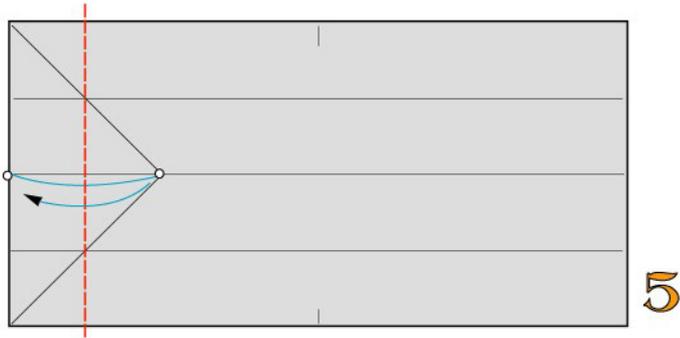
2 pieghe a valle



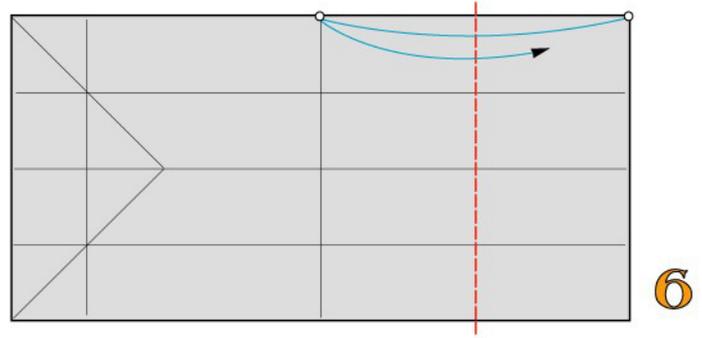
1 piega a valle



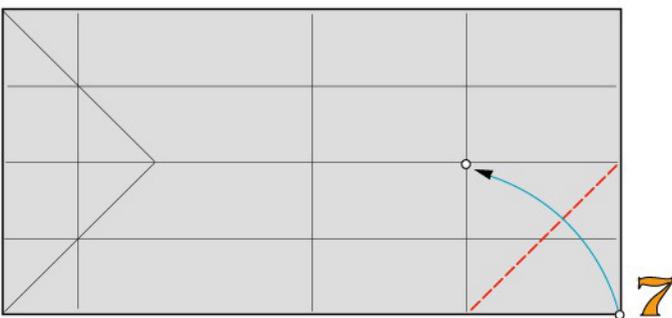
2 pieghe bisettrici a valle



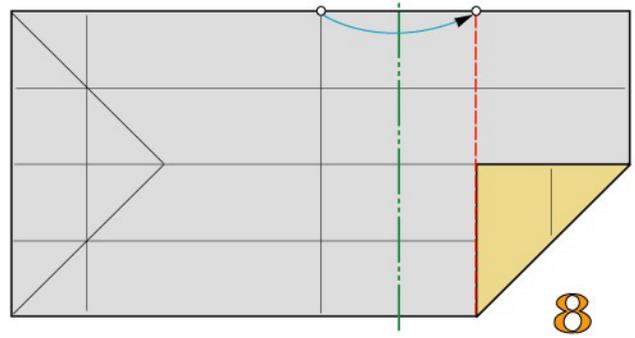
1 piega a valle



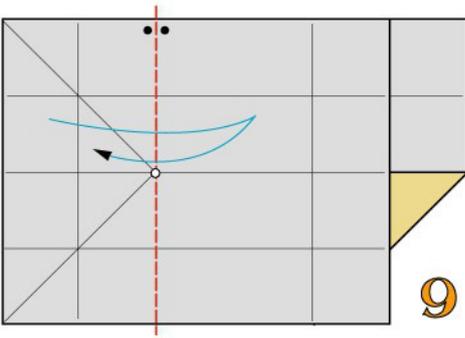
1 piega a valle



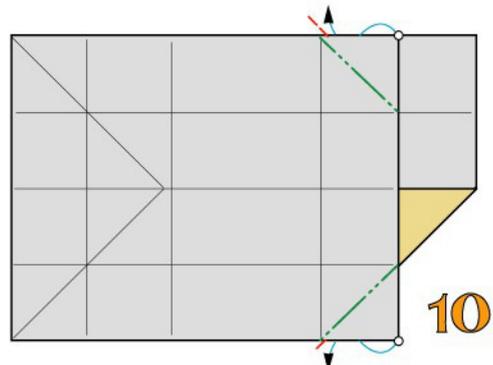
1 piega diagonale a valle



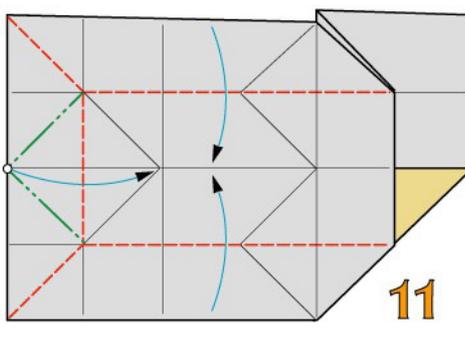
1 piega a monte e ripiegata a valle



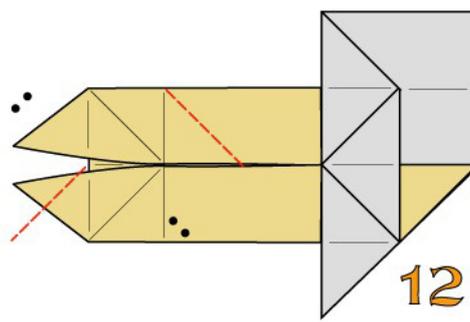
1 piega a valle



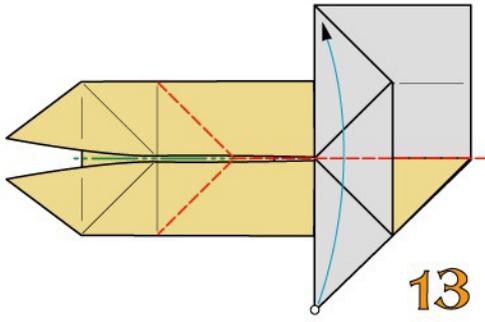
2 pieghe rovesce interne



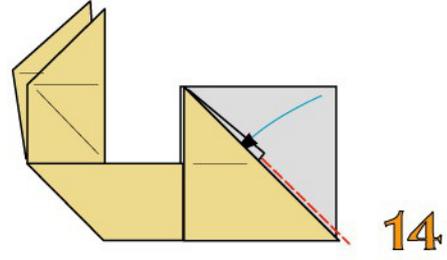
Ripiegata a valle e a monte



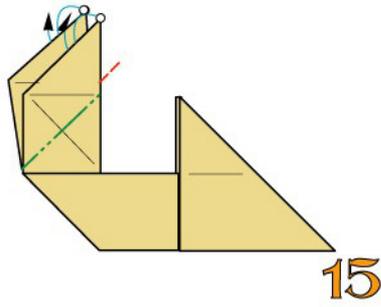
2 pieghe bisettrici a valle



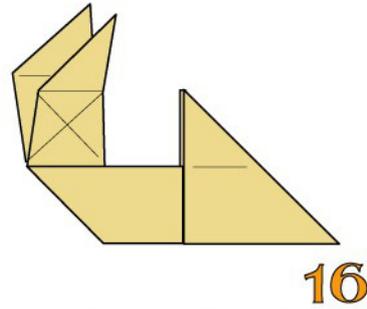
Ripiegate a valle e a monte



1 piega a valle e intascate

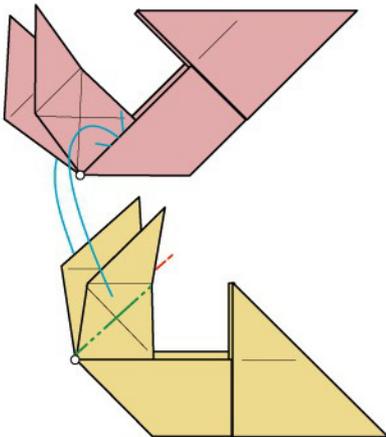


1 pieghe a monte,
1 per lato

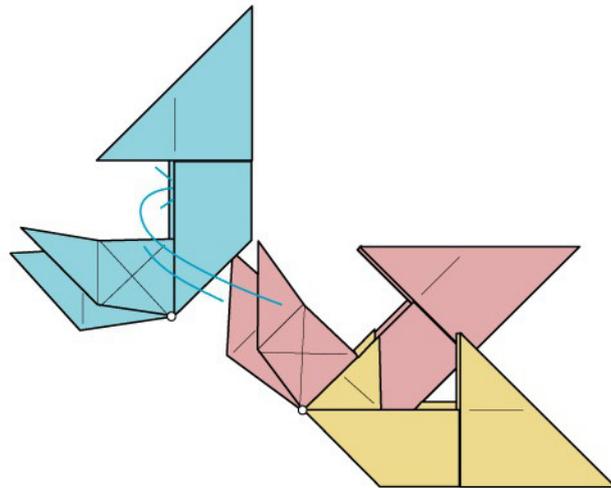


Modulo per tassellazione
"A" ultimato

UNIONE DEI MODULI

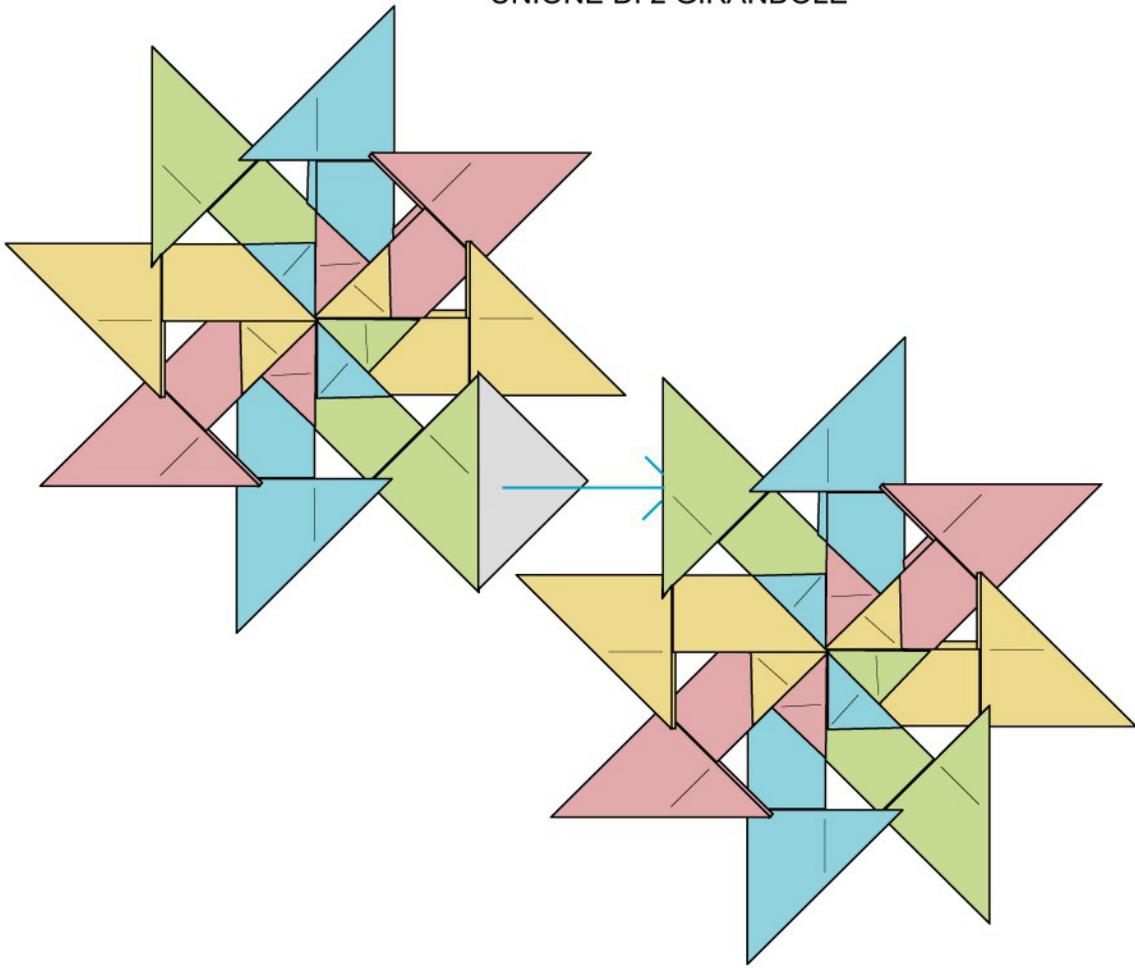


Posizionate un modulo ruotato di 45°
entro l'altro e bloccatelo mediante
2 pieghe a monte, 1 per lato



Aggiungete un nuovo
modulo ruotato di 45°

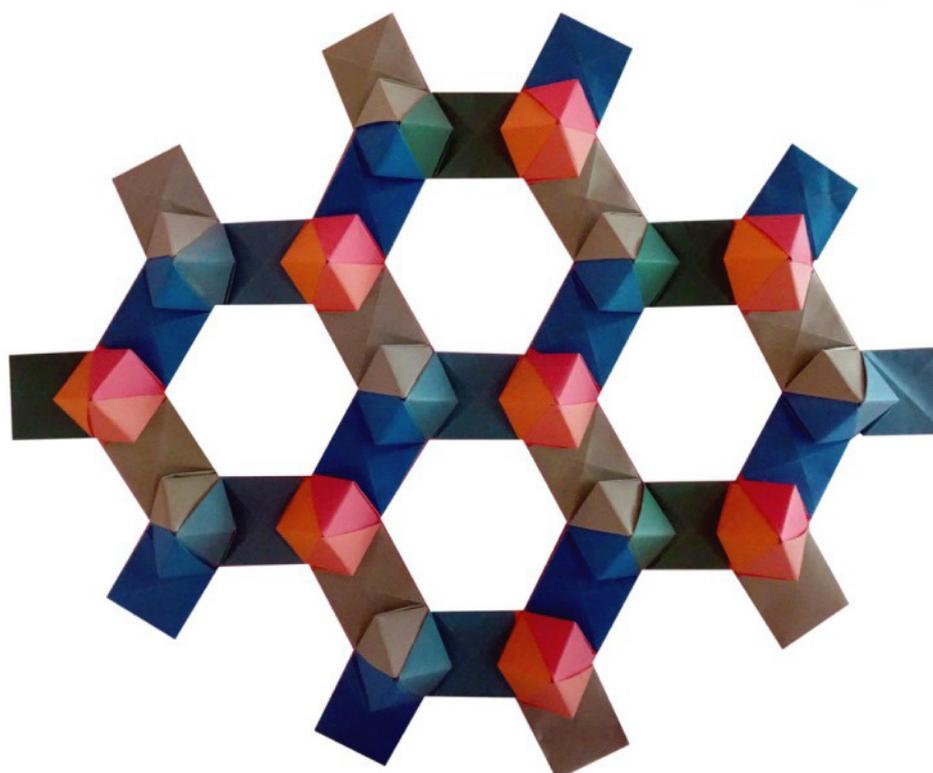
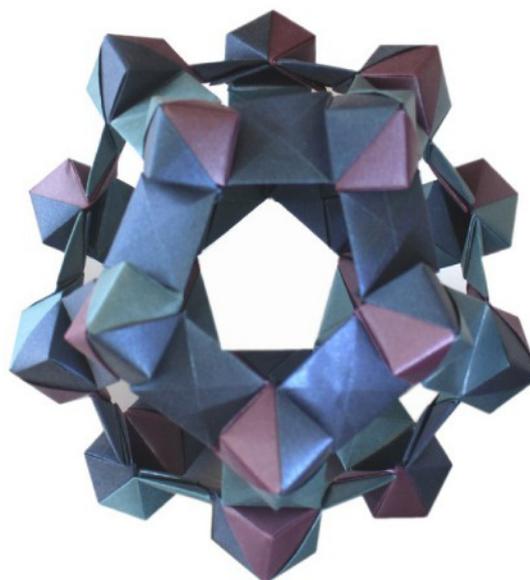
UNIONE DI 2 GIRANDOLE

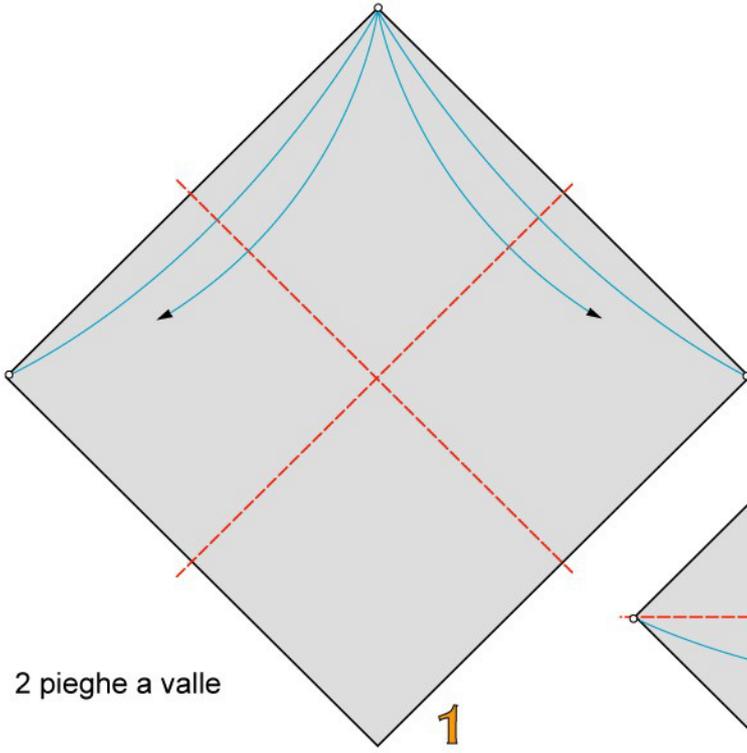


MODULO COMPOSTO "CUBOTTO"

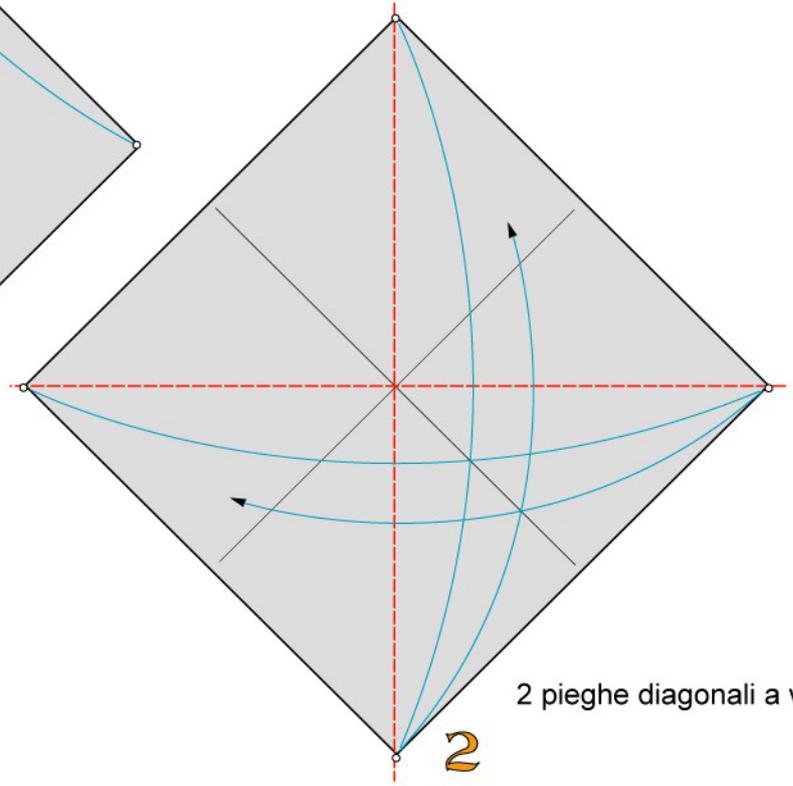
Franco Pavarin 24

Il modulo "Cubotto" è composto da 3 moduli semplici uniti.
Con il modulo "Cubotto" si possono realizzare tassellazioni e molti poligoni.
Adoperate fogli monocolori delle dimensioni 10x10

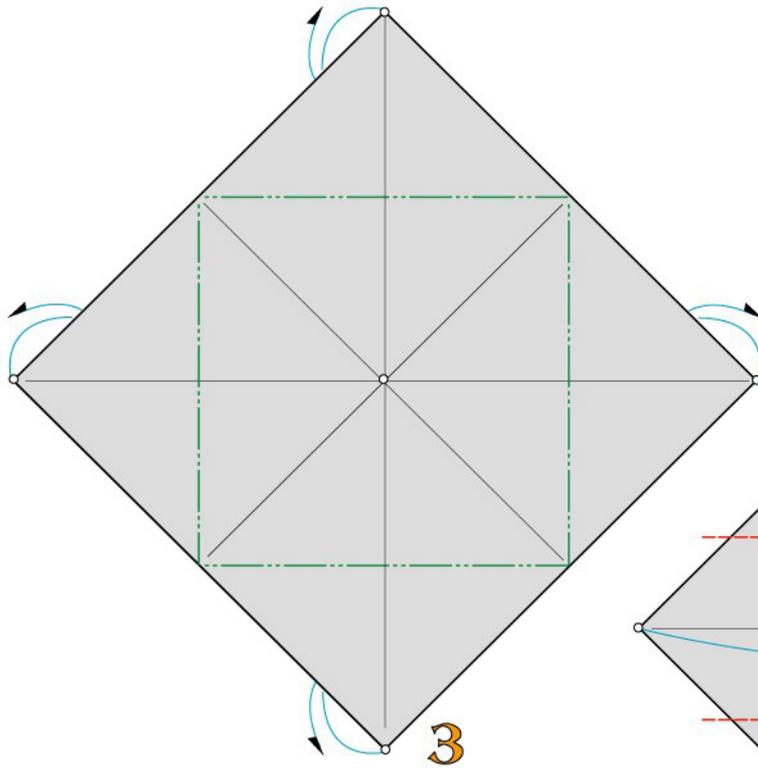




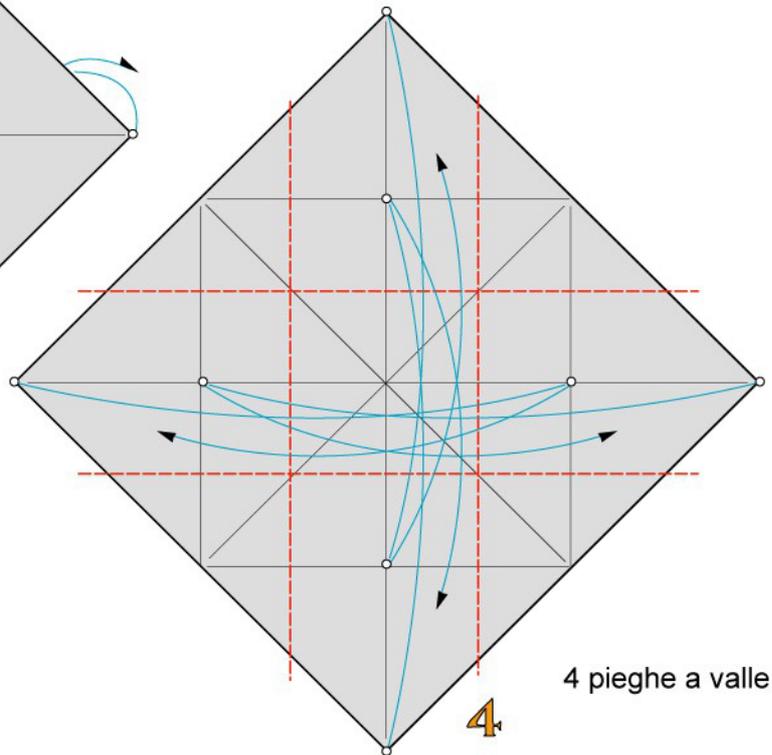
2 pieghe a valle



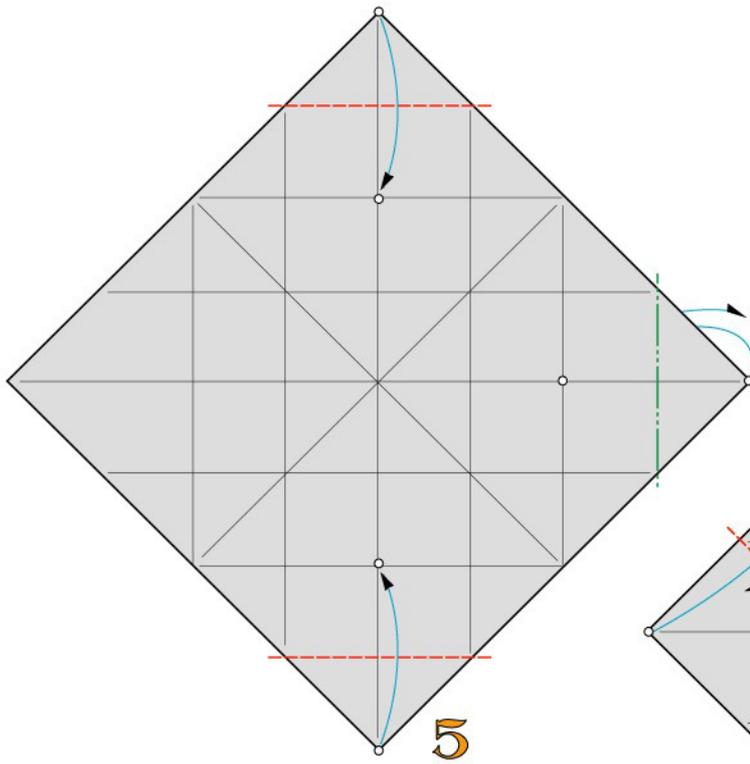
2 pieghe diagonali a valle



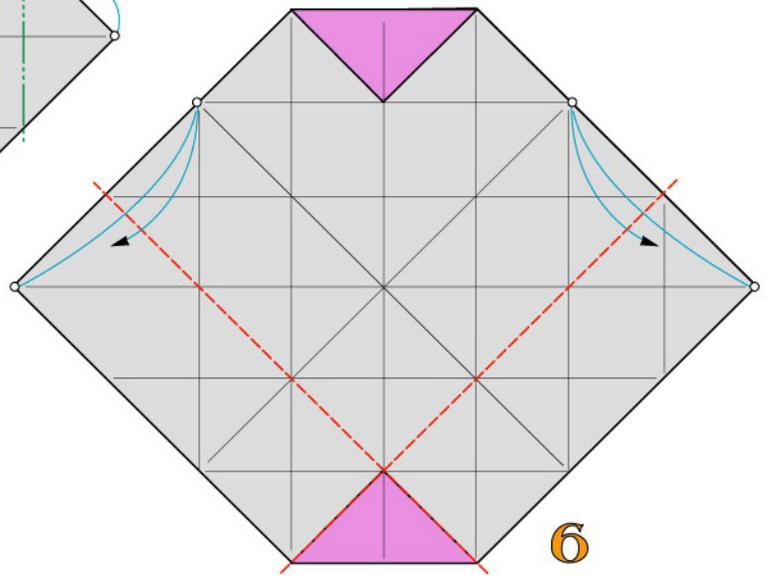
4 pieghe diagonali a monte



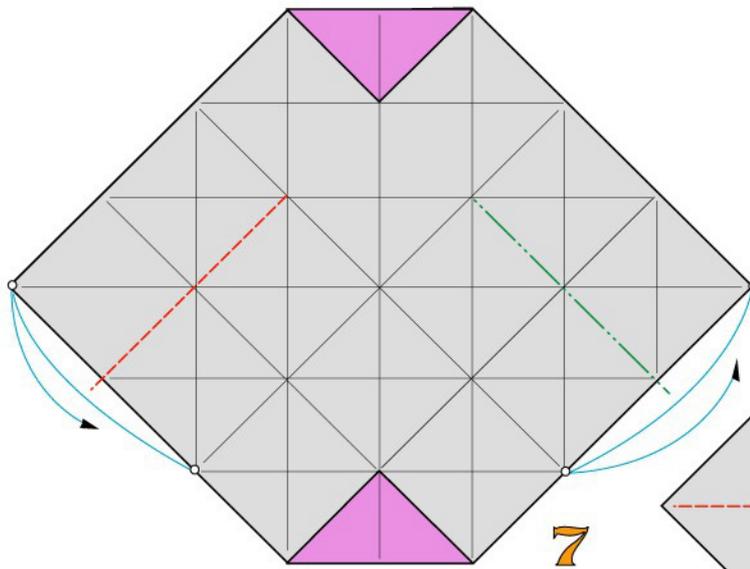
4 pieghe a valle



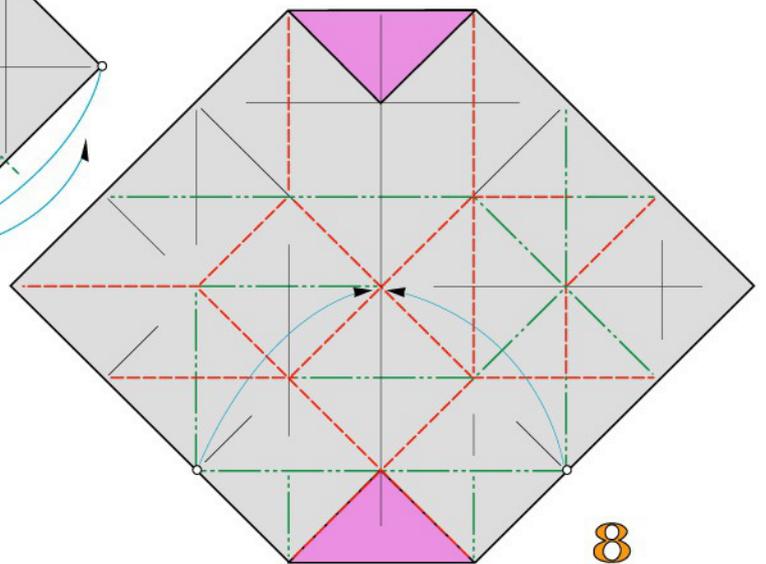
2 pieghe a valle
e 1 a monte



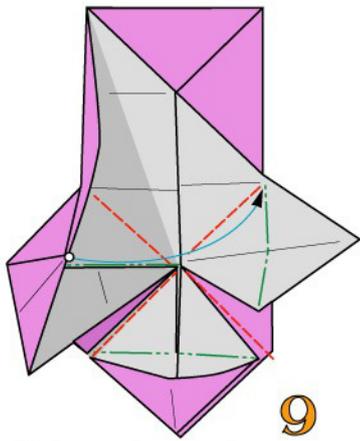
2 pieghe a valle



1 piega a valle e 1 a monte

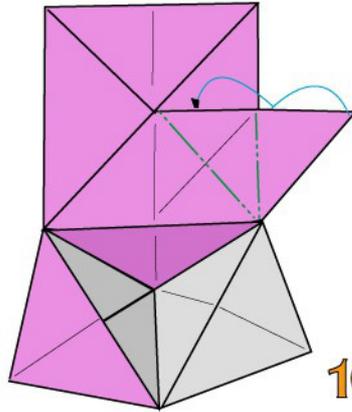


Ripiegate a valle e a monte



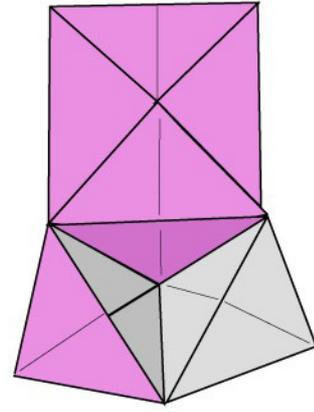
9

Ripiegando a valle e a monte modellate 3 D



10

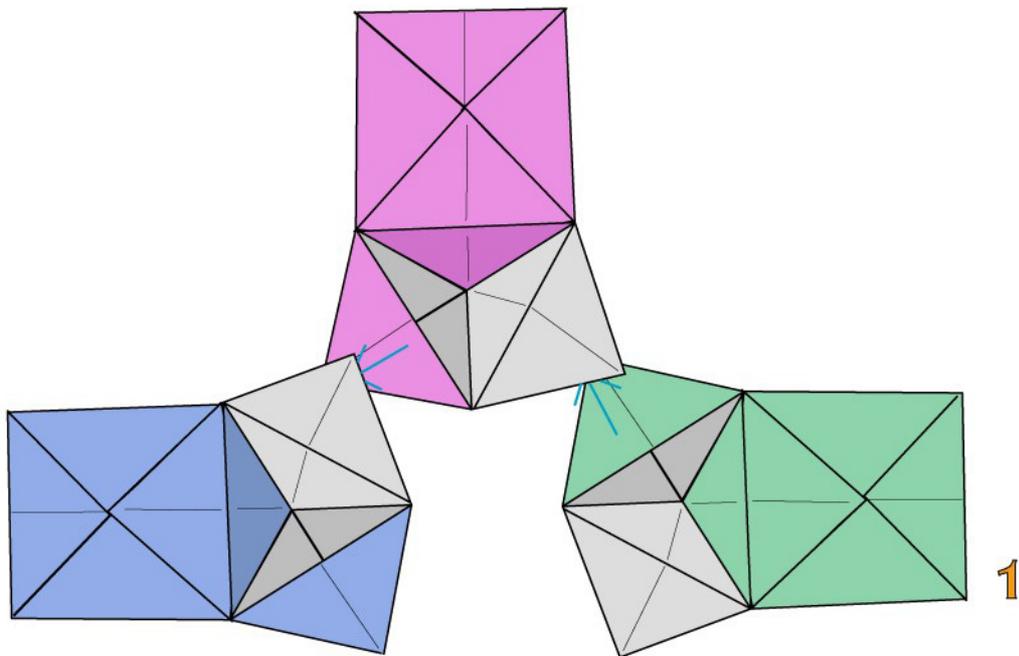
2 pieghe a monte e intascate



11

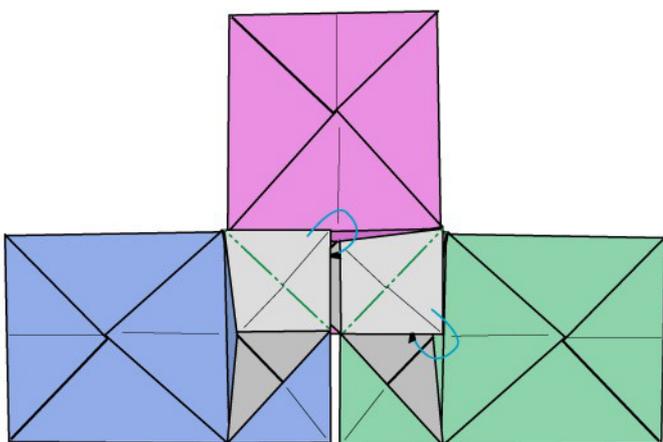
Unite 3 di questi moduli semplici per formare il modulo composto "Cubotto"

FORMAZIONE DEL MODULO COMPOSTO



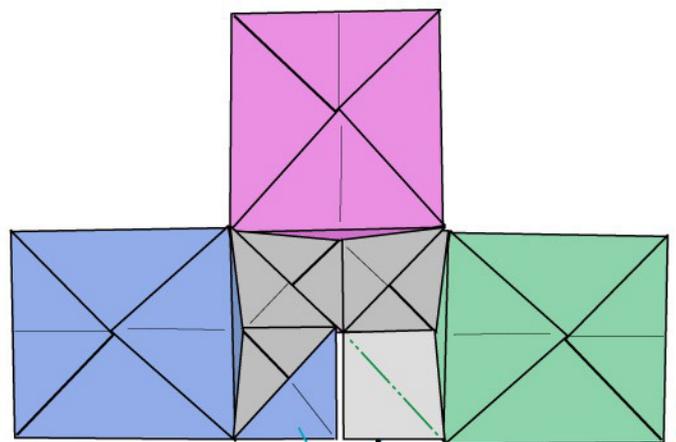
1

Intascate 2 moduli



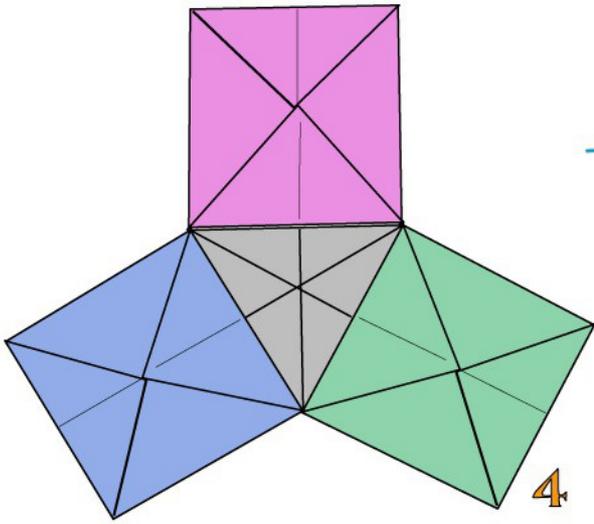
2

Mediante 2 pieghe a monte bloccate l'unione modellando 3D

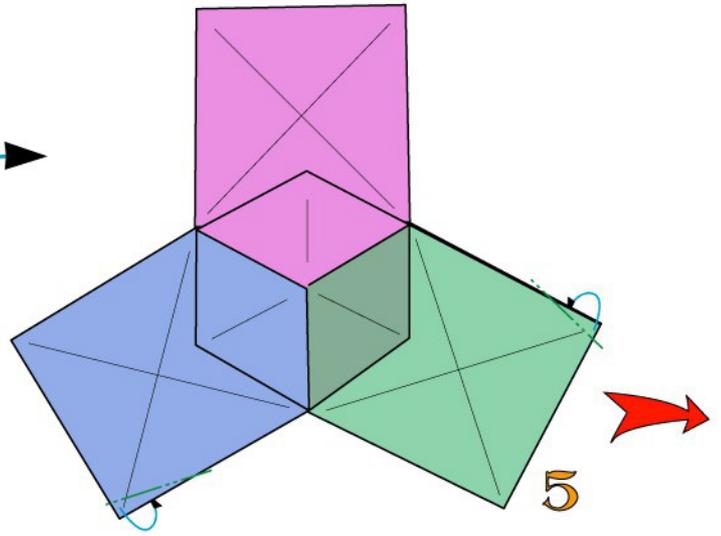


3

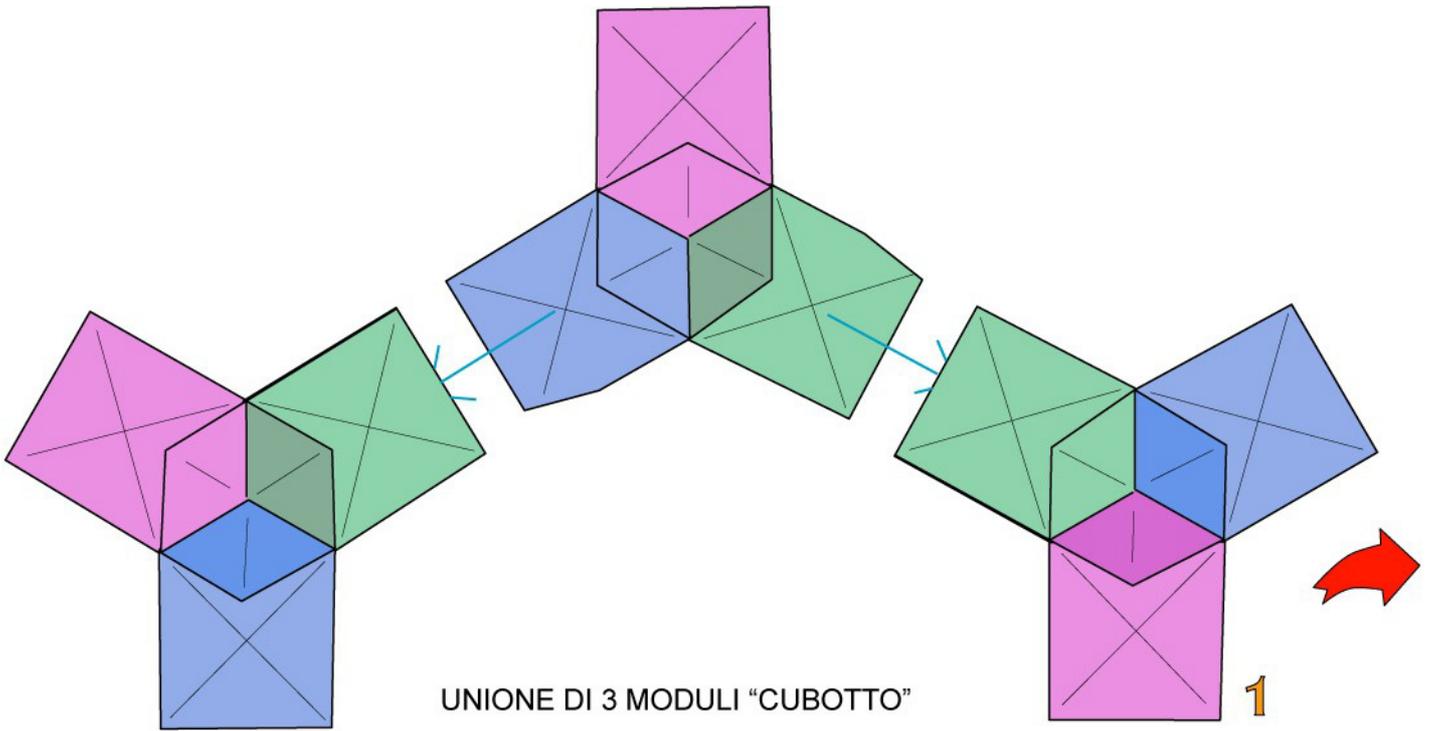
Inserite e bloccate con piega a monte



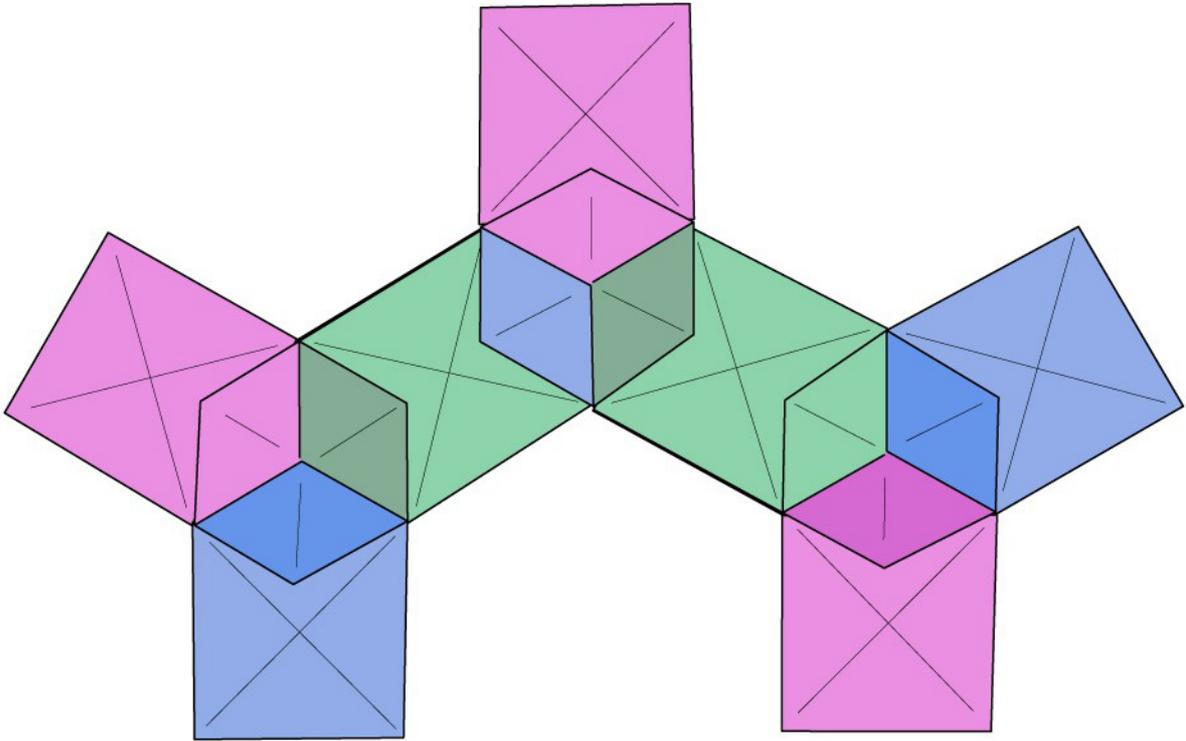
Ribaltate



2 pieghe a monte per una unione "a maschio". Modulo "Cubotto" ultimato



UNIONE DI 3 MODULI "CUBOTTO"

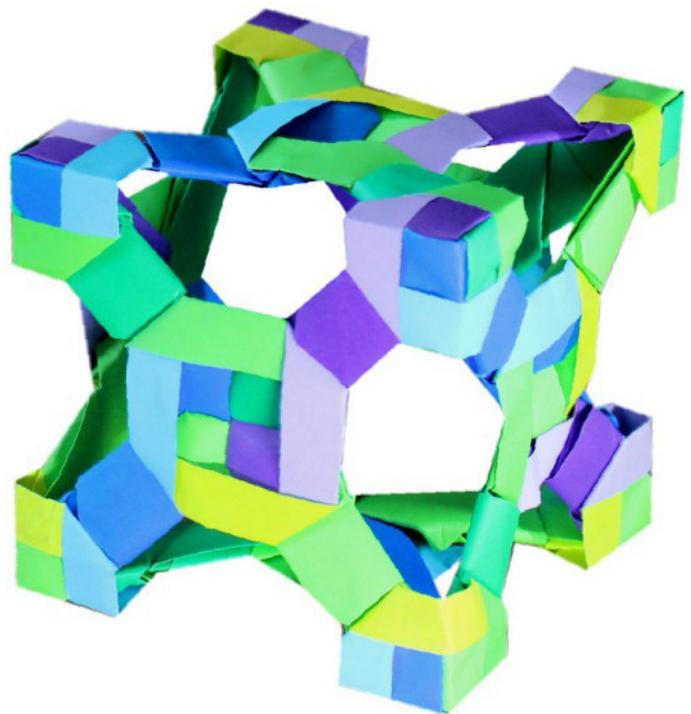


3 MODULI "CUBOTTO" UNITI

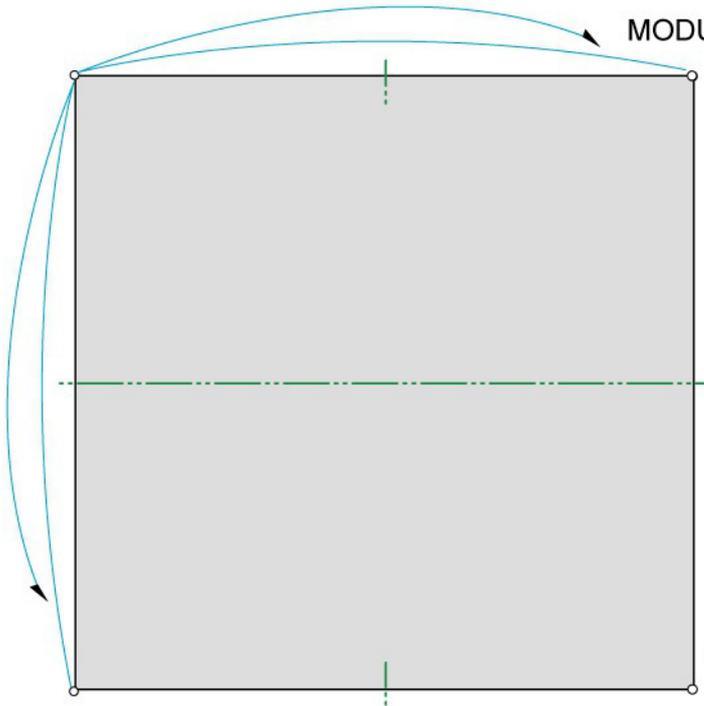
MODULO "INCASTRO"

Franco Pavarin 24

Il modulo "Incastro" è composto da 2 moduli semplici uniti.
Con il modulo "Incastro" si possono realizzare tassellazioni e molti poligoni.
Adoperate fogli bicolori delle dimensioni 10x10

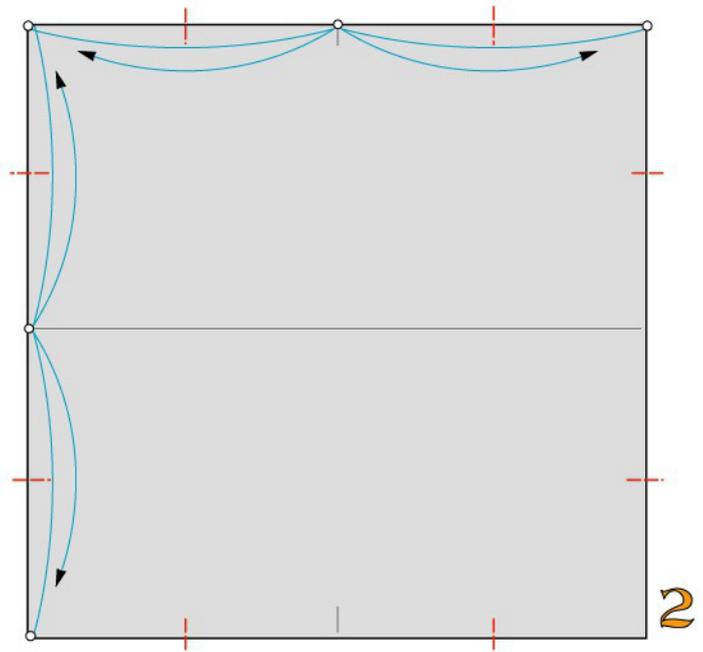


MODULO SEMPLICE SINISTRO



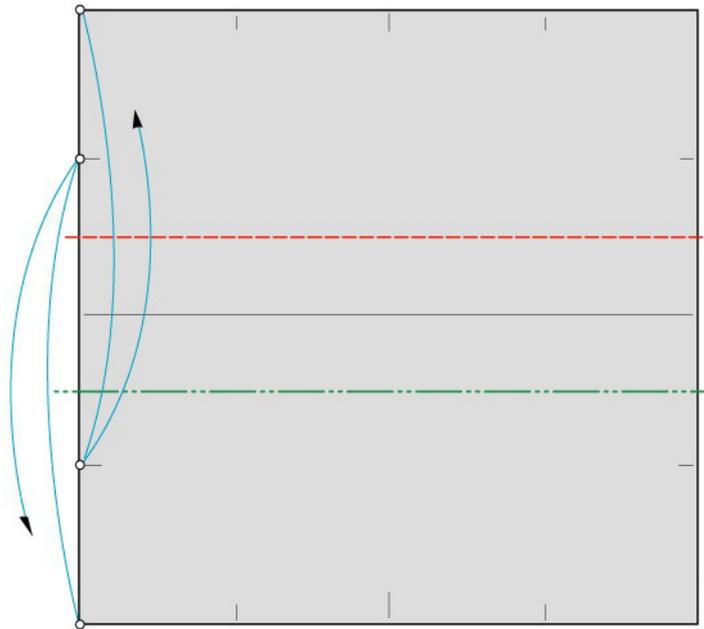
3 pieghe a monte

1



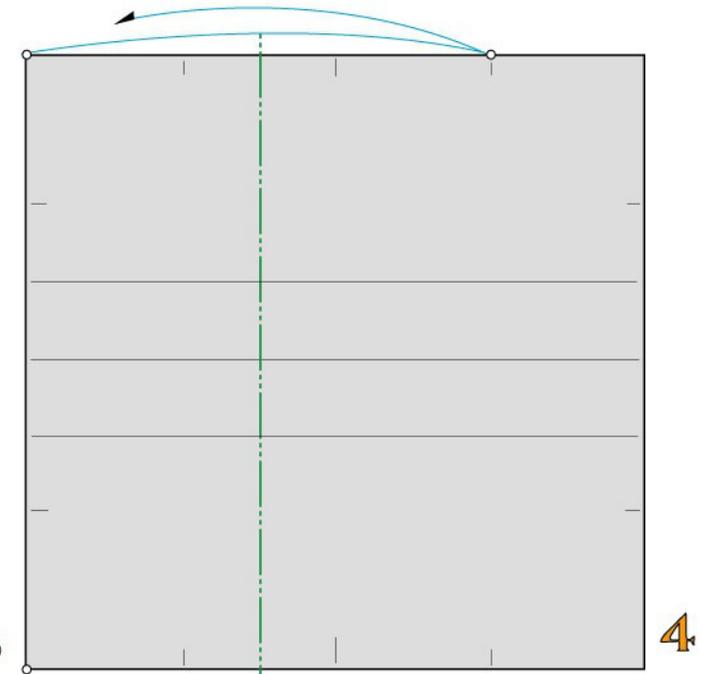
8 pieghe a valle

2



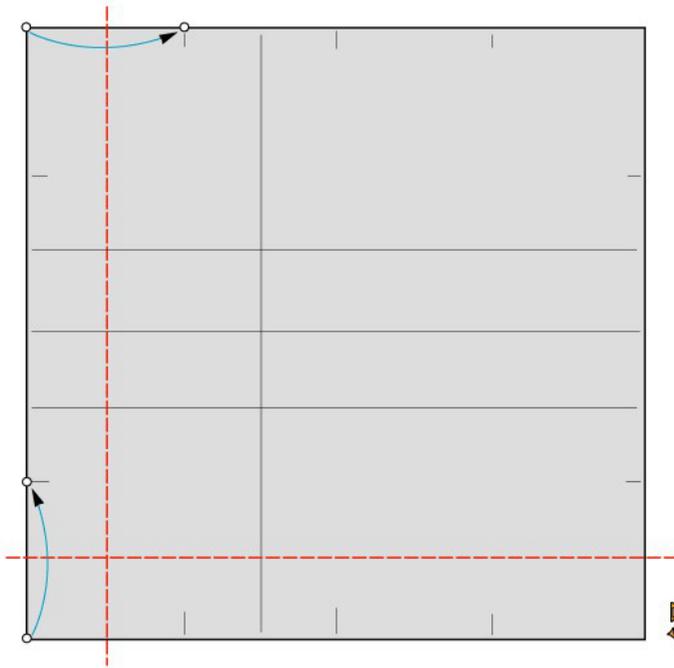
1 piega a valle e 1 a monte

3



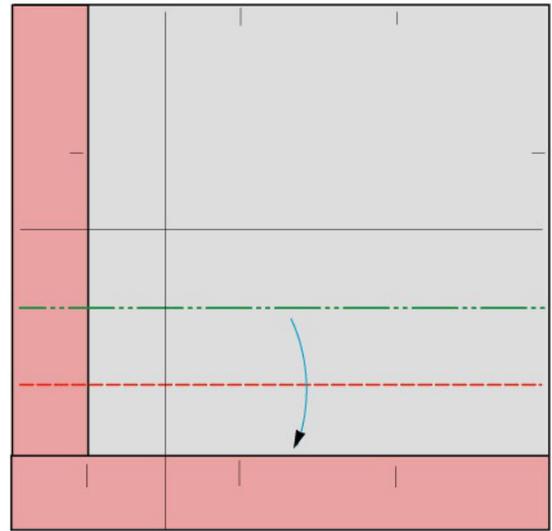
1 piega a monte

4



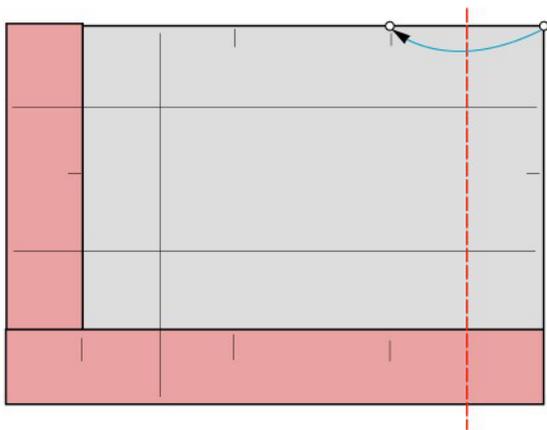
2 pieghe a valle

5



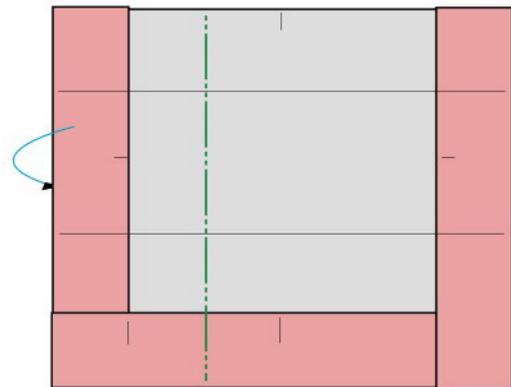
6

Ripiegate a valle a monte



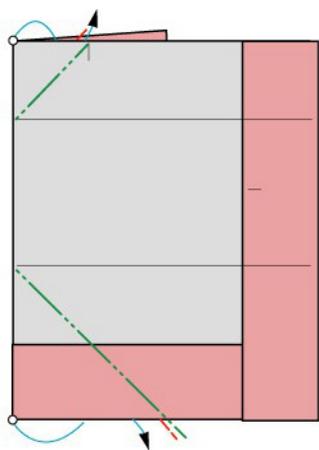
1 piega a valle

7



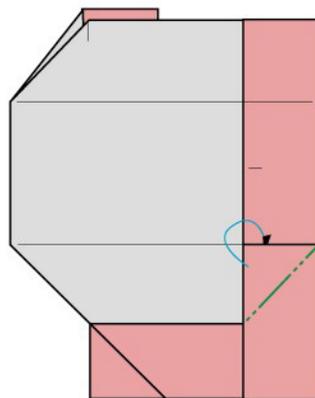
8

1 piega a monte



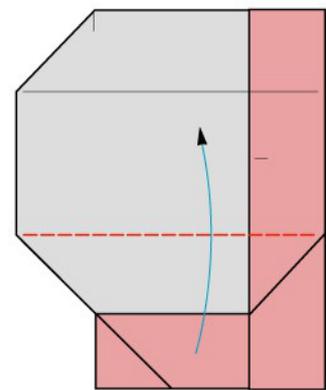
2 pieghe rovesce interne

9



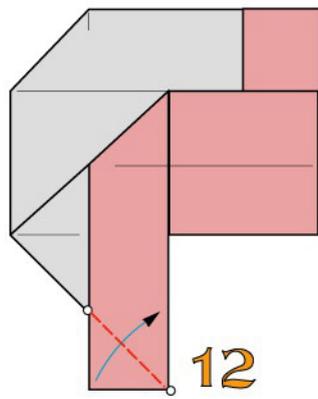
1 piega a monte

10



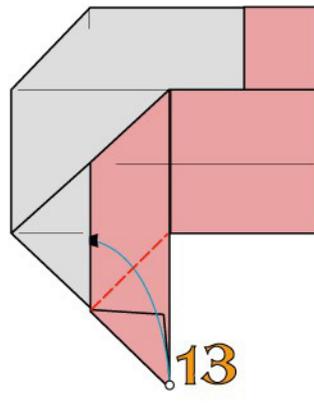
Ripiegate a valle

11



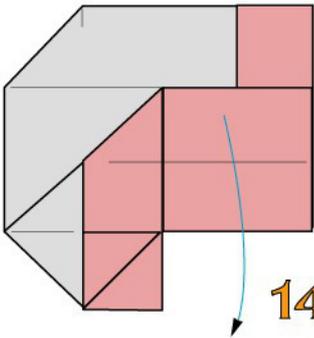
12

1 piega diagonale a valle



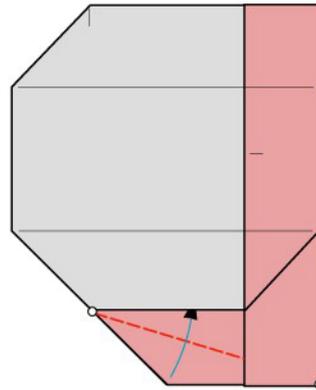
13

1 piega diagonale a valle e intascate



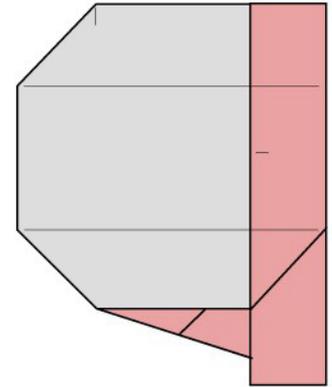
14

Riaprite



15

1 piega a valle e intascate

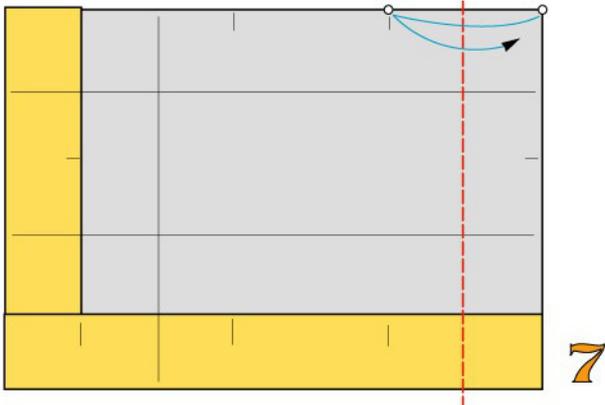


16

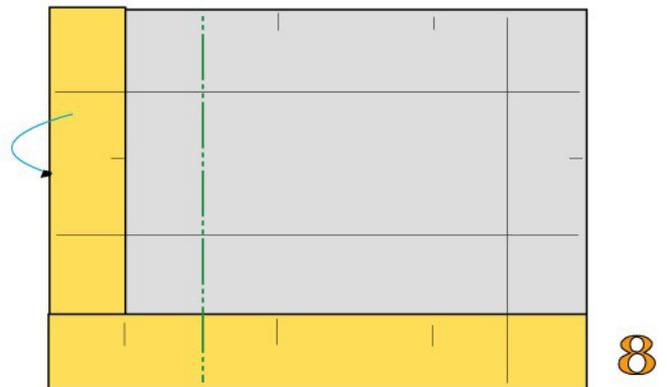
Modulo semplice sinistro ultimato

MODULO SEMPLICE DESTRO

Partite dalla fig. n. 6 del modulo semplice sinistro



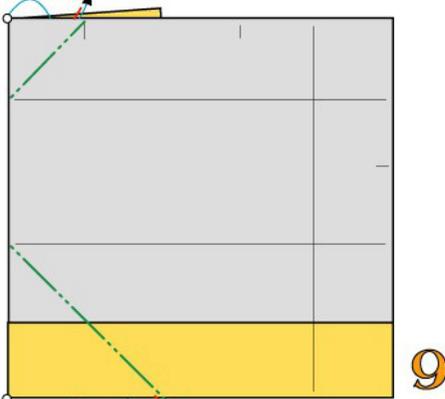
7



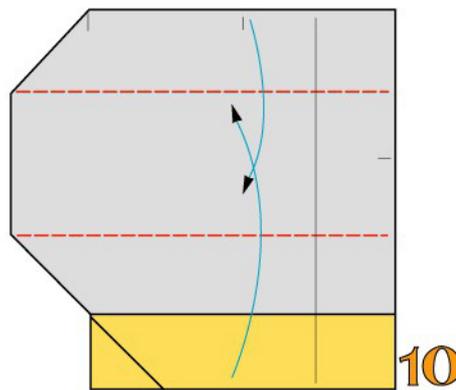
8

1 piega a valle

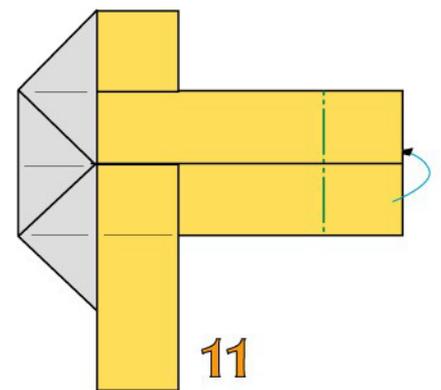
1 piega a monte



9



10

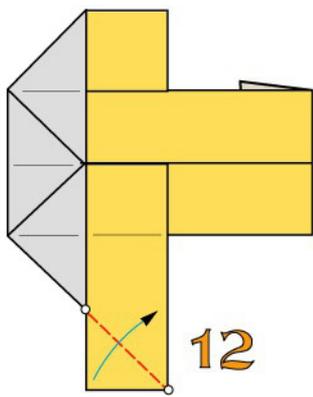


11

2 pieghe rovesce interne

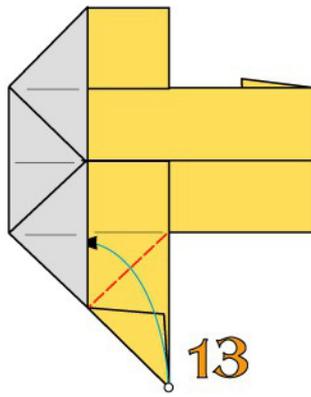
Ripiegate a valle

Ripiegate a monte



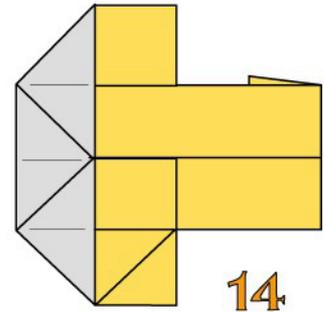
12

1 piega diagonale a valle



13

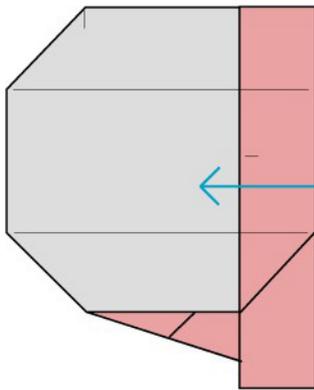
1 piega diagonale a valle e intascate



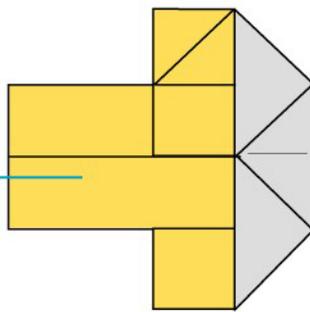
14

Modulo semplice destro ultimato

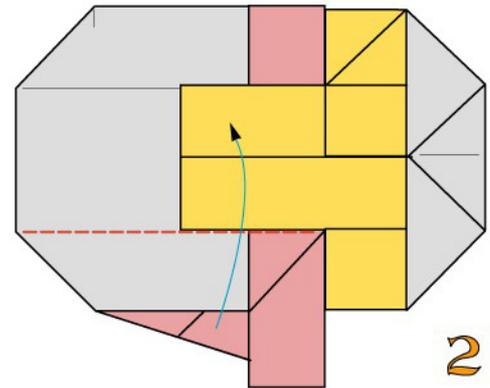
UNIONE DI 2 MODULI SEMPLICI



Ruotate un modulo semplice destro di 180° e sovrapponetelo

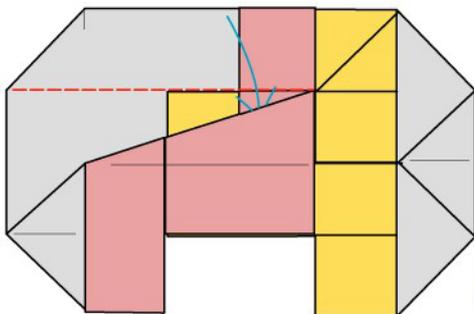


1



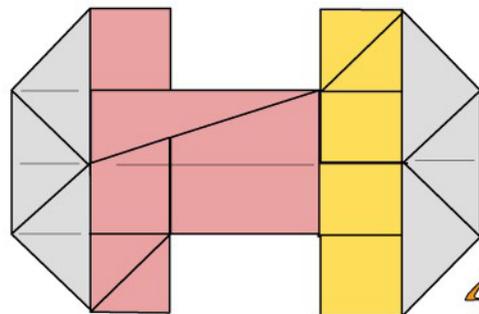
2

Ripiegate a valle



3

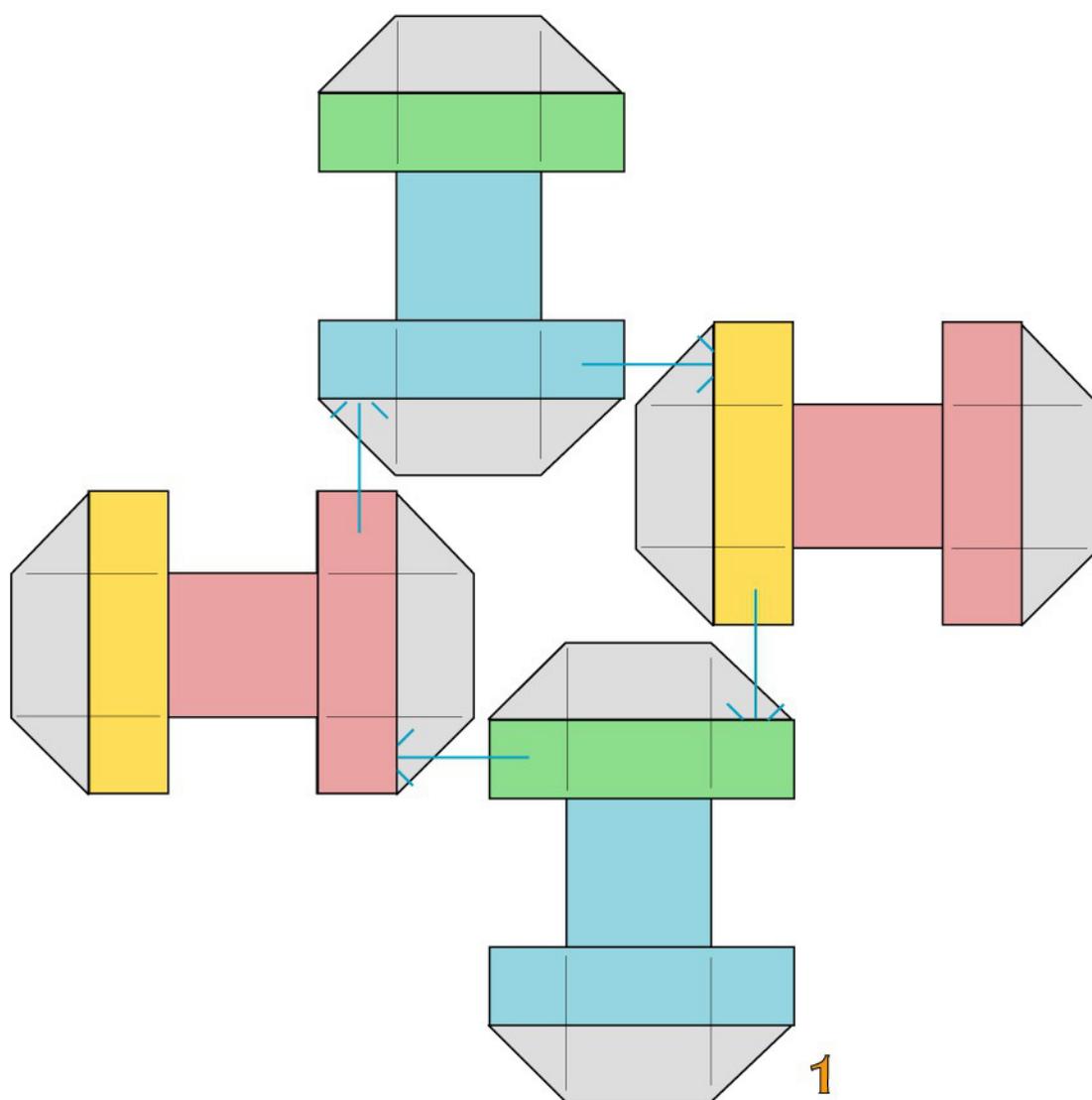
Ripiegando a valle intascate



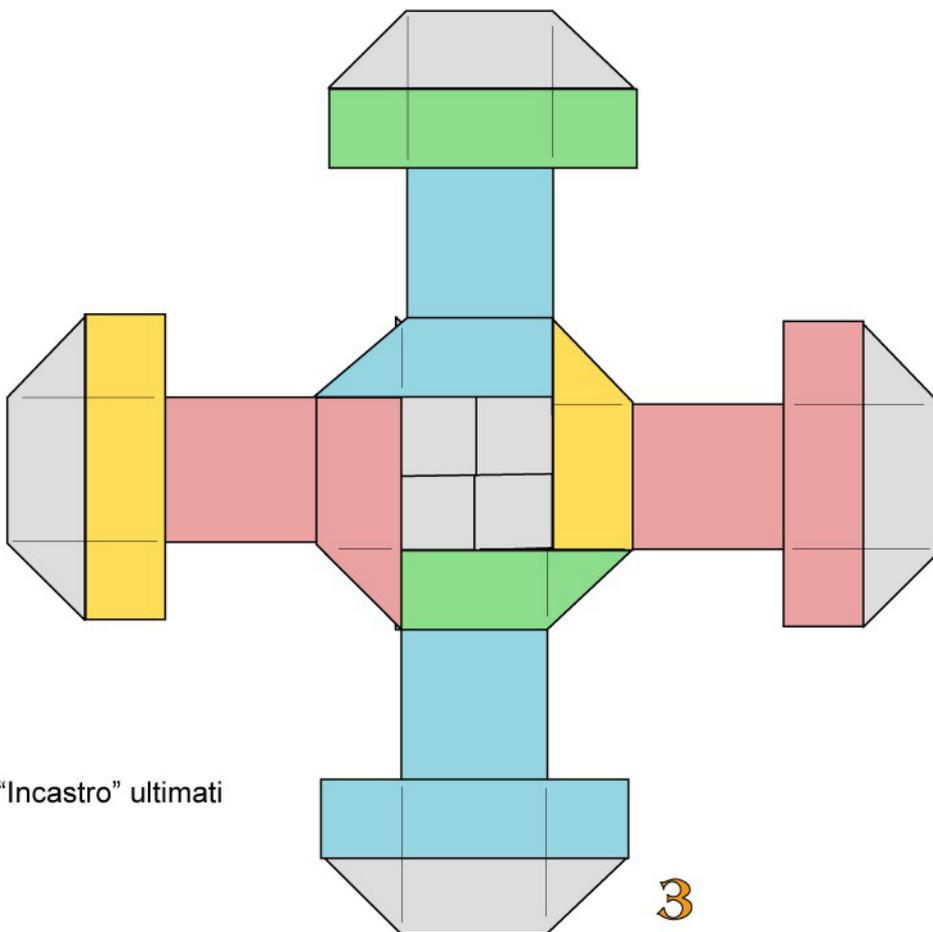
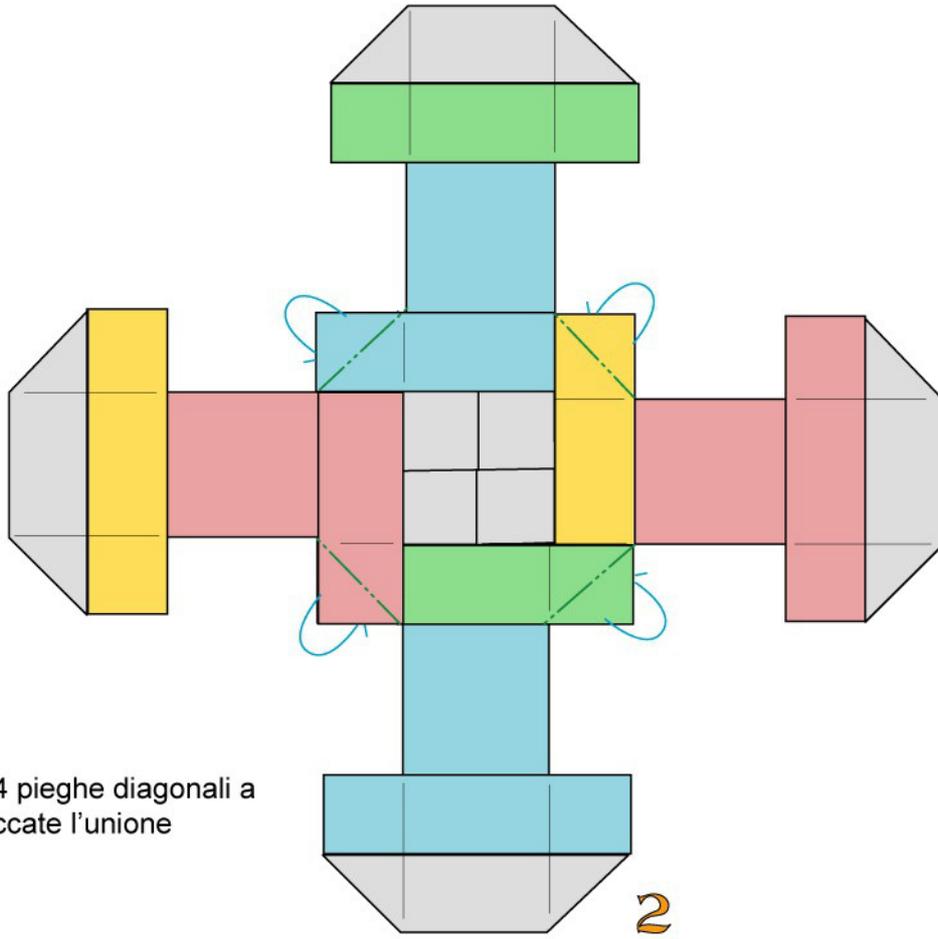
4

Modulo composto "Incastro" ultimato. Ribaltate

UNIONE DI 4 MODULI "INCASTRO"



Inserite vicendevolmente un modulo nell'altro



INDICE

Braccialetto	7
Ghirlanda "A"	11
" "B"	16
" "C"	20
" "D"	24
Girandola "A"	29
" "B"	32
" "C"	35
" "D"	39
" "E"	42
Stella "A"	45
Stella "B"	49
Nastro	53
Poliedro "A"	57
Poliedro "B"	62
Poliedro di fiori "A"	67
Poliedro di fiori "B"	73
Tassellazione "A"	77
" "B"	81
" "C"	83
" "D"	87
Modulo "Cubotto"	91
Modulo "Incastro"	97

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
Animalletti semplici origami	web	2020
Origami per giocare	web	2020
30 nuovi origami volanti	web	2021
Contenitori 1	web	2021
Contenitori 2	web	2021
Contenitori 3	web	2022
Contenitori 4	web	2022
Volti scolpiti origami 1	web	2018
Volti scolpiti origami 2	web	2019
Contenitori 5	web	2022

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

