



OriCAD

An Origami Diagram Drawing Tool

 by Dong
Viet Thien

5TH CONVENTION - APRIL 04-06 -2025 - HANOI - VIETNAM

Content – Nội dung

1

About Me ...

Tự giới thiệu

2

General

~~Giới Thiệu Chung~~
Introduction

3

Diagram drawing

Vẽ diagram .

4

CPs Solving.

Giải CPs.

5

Demo diagram drawing.

Thực hành vẽ diagram.

6

Demo CPs Solving

Thực hành giải CPs.

1 About Me ...

My name Thien Dong Viet .

Live in Hochiminh City.

I'm a civil engineer.

Playing origami for over 26 years.

Joining Vietnam Origami Group on 2008.

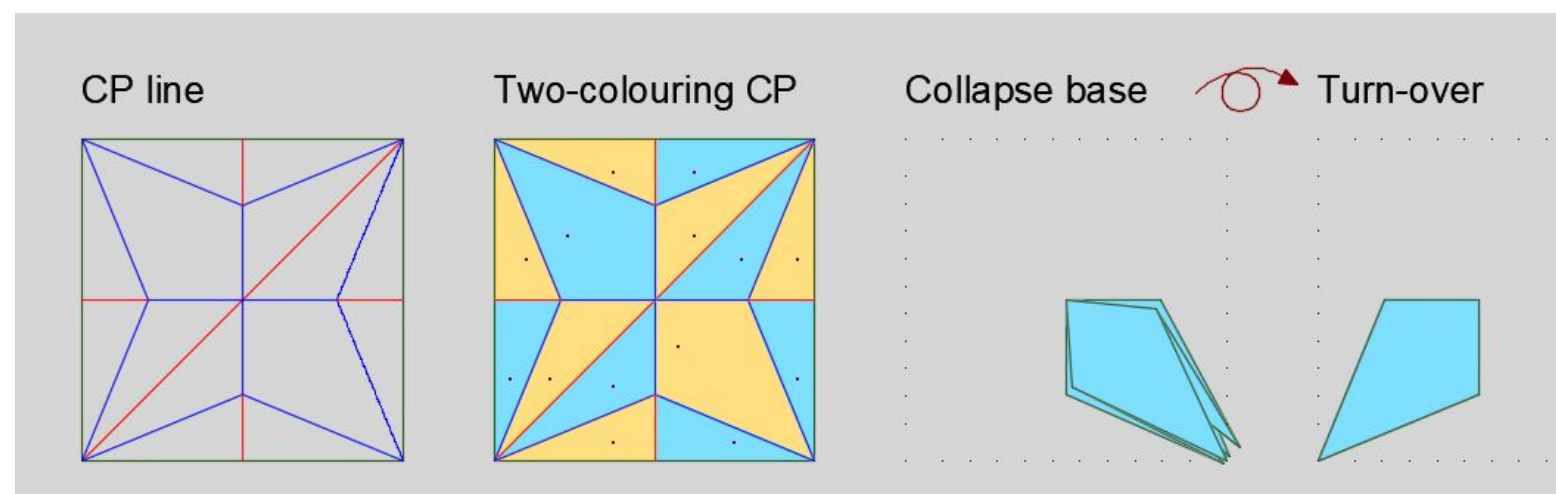
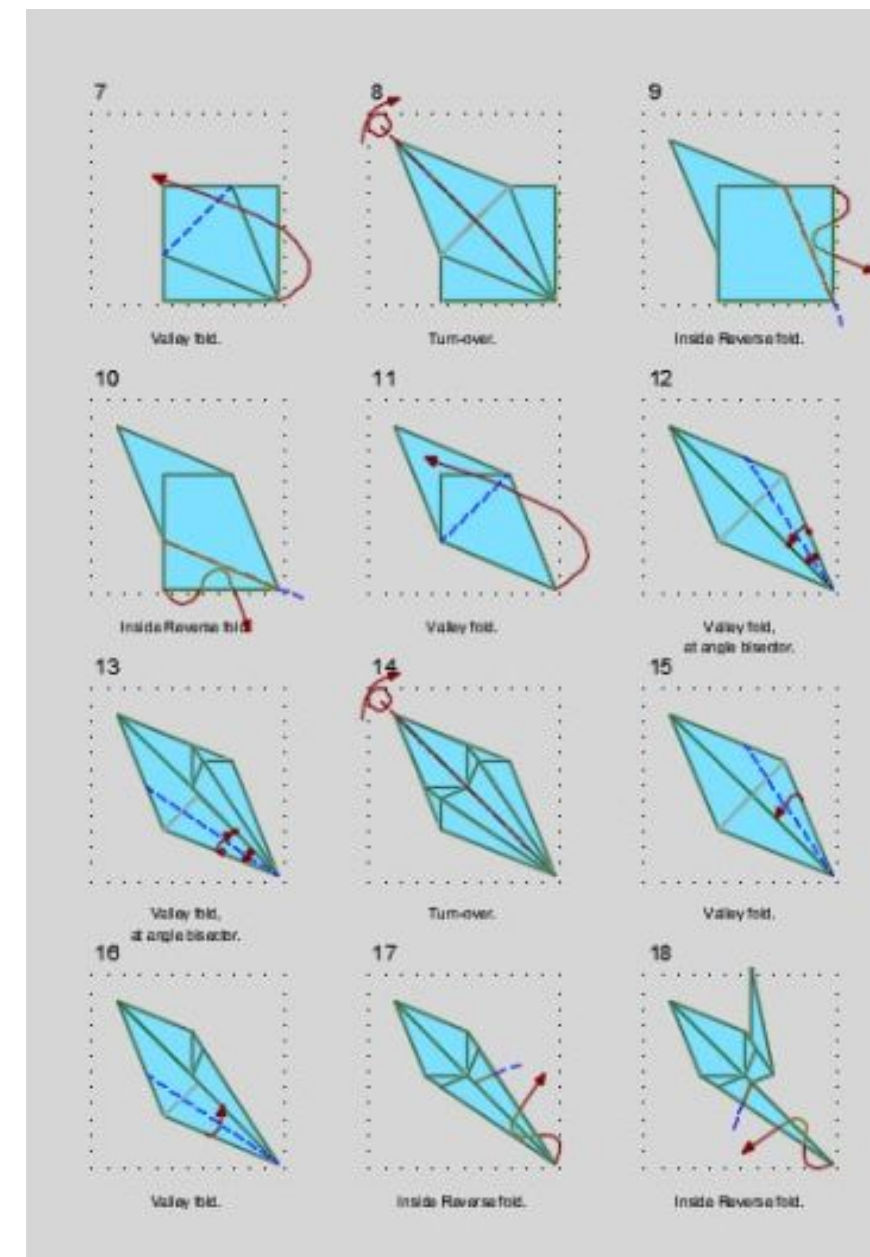
Fi



Introduction

OriCAD is an Origami Diagram Drawing Tool, run on AutoCAD.

- Help to draw a complete origami diagram steps by steps, much faster.
- Solve the origami CPs by auto folding from the CPs to the final base.
- Giúp vẽ một bản hướng dẫn gấp giấy hoàn thiện rất nhanh và chính xác.
- . Tự động gấp ra hình cơ bản từ Sơ đồ nếp gấp.



steps by steps

2.1 Setting the standard diagram format.

Setting Layer va Text

Layer

Layer of Symbol	Ori-lySymbol		14
Layer of Text	Ori-lyText		7
Layer of Border line	Ori-lyBorder		86
Layer of Mountain line	Ori-lyMountain		1
Layer of Valley line	Ori-lyValley		5
Layer of Hidden line	Ori-lyHidden		44
Layer of Existing	Ori-lyExisting		253
Layer of Dark Hatch	Ori-lyHatchDark		151
Layer of Colour Side	Ori-lyColourSide		141
Layer of White Side	Ori-lyWhiteSide		41

Text STYLE1 (Title)

Text Style Ori-style1

Text hight 1 - Model (mm) 5

Text hight 2 - Design (mm) 3

Text hight 3 - Diagram (mm) 3

Text hight 4 - Date (mm) 2.5

Text hight 5 - Step (mm) 2

Font Arial

Text STYLE2 (Decription)

Text Style Ori-style2

Text hight 6 - Decription (mm) 2

Font Arial Italic

Text STYLE3 (Note)

Text Style Ori-style3

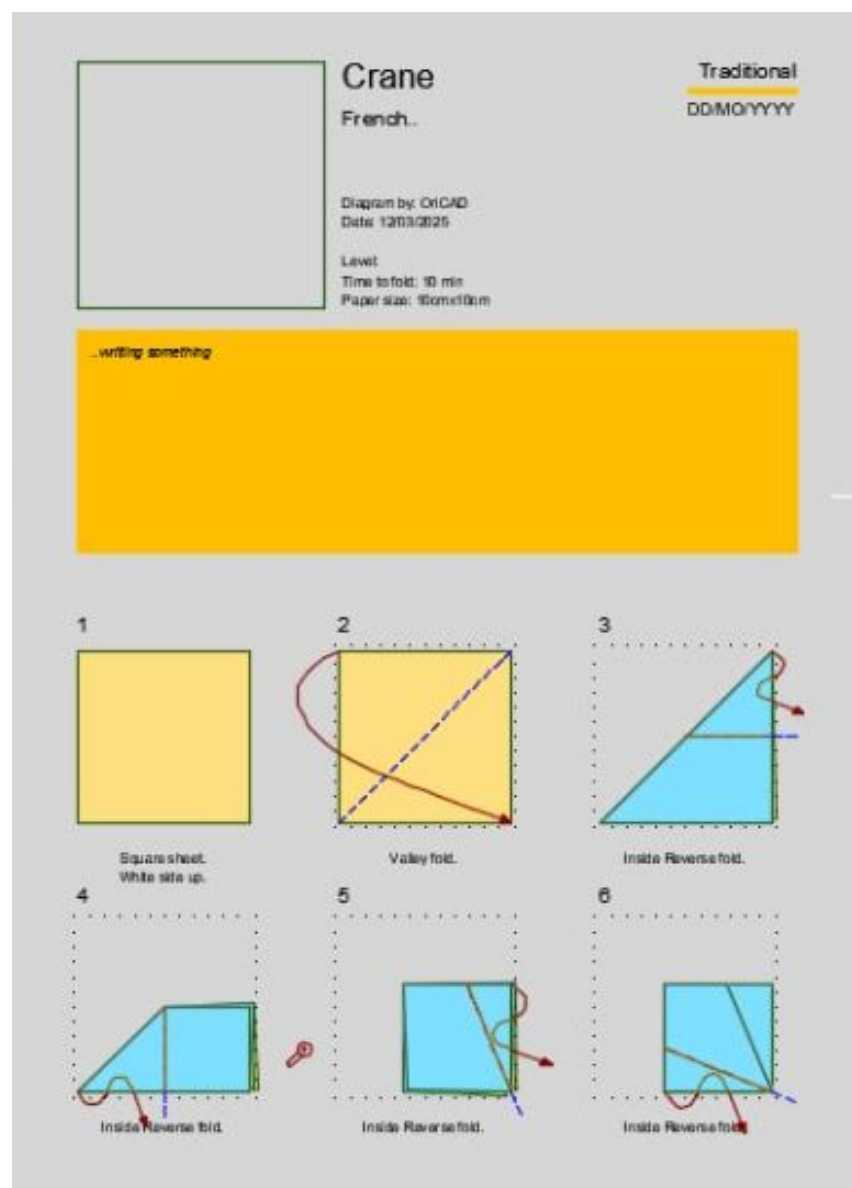
Text hight 7 - Note (mm) 2

Font ISOCPEUR

Load file.. Save file.. OK Cancel

– step by step

2.2 Setting the Diagram Layout – Thiết kế định dạng trang chuẩn.



Setting Diagram Layout

Paper Print

Paper width (mm)

Paper height (mm)

Margins (mm)

Gutter (mm)

Print

☒ One Sided

☐ Bold Sides

First page

CP Square (mm)

Description height (mm)

All page

Step Square (mm)

The number of Rows

The number of Columns

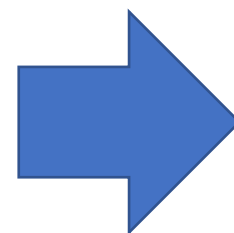
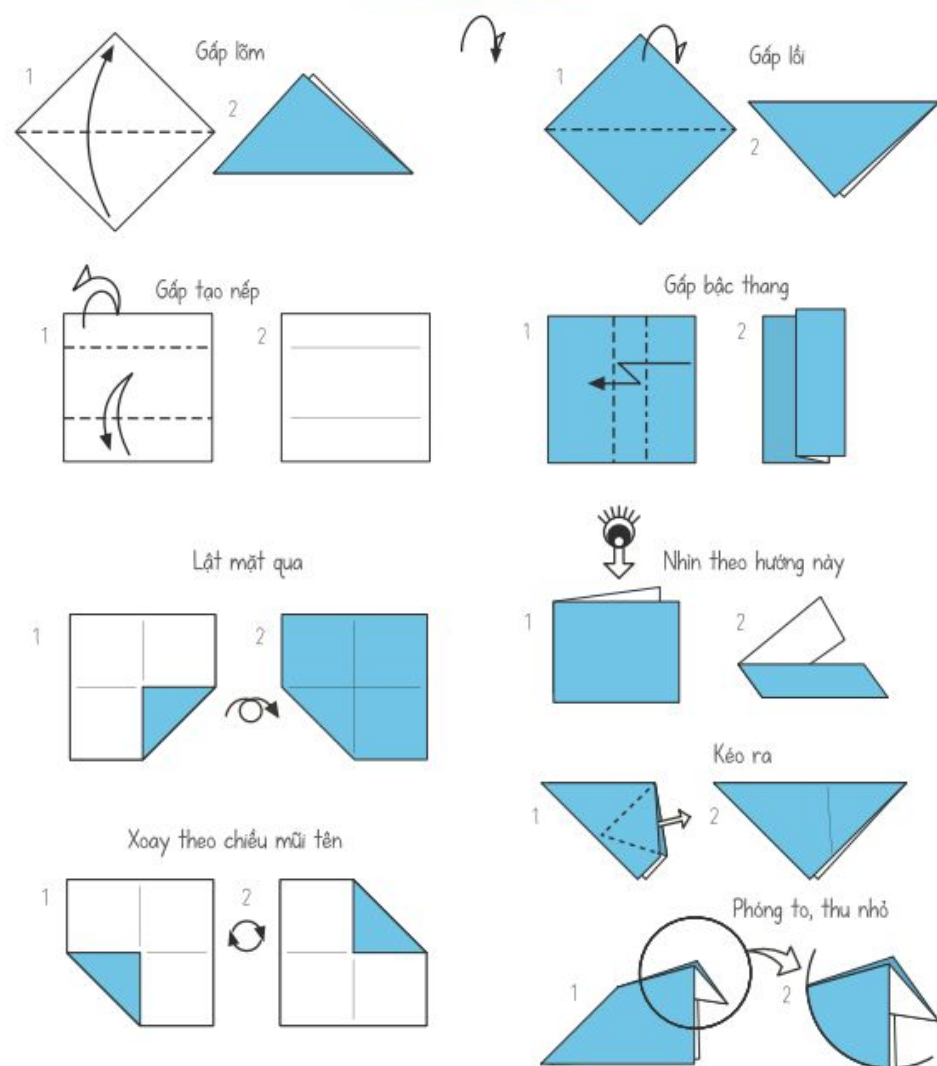
Horizontal distance (mm)

Vertical distance (mm)

OK Cancel

– step by step

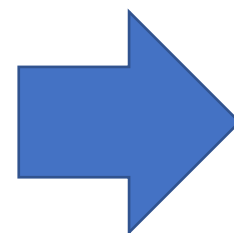
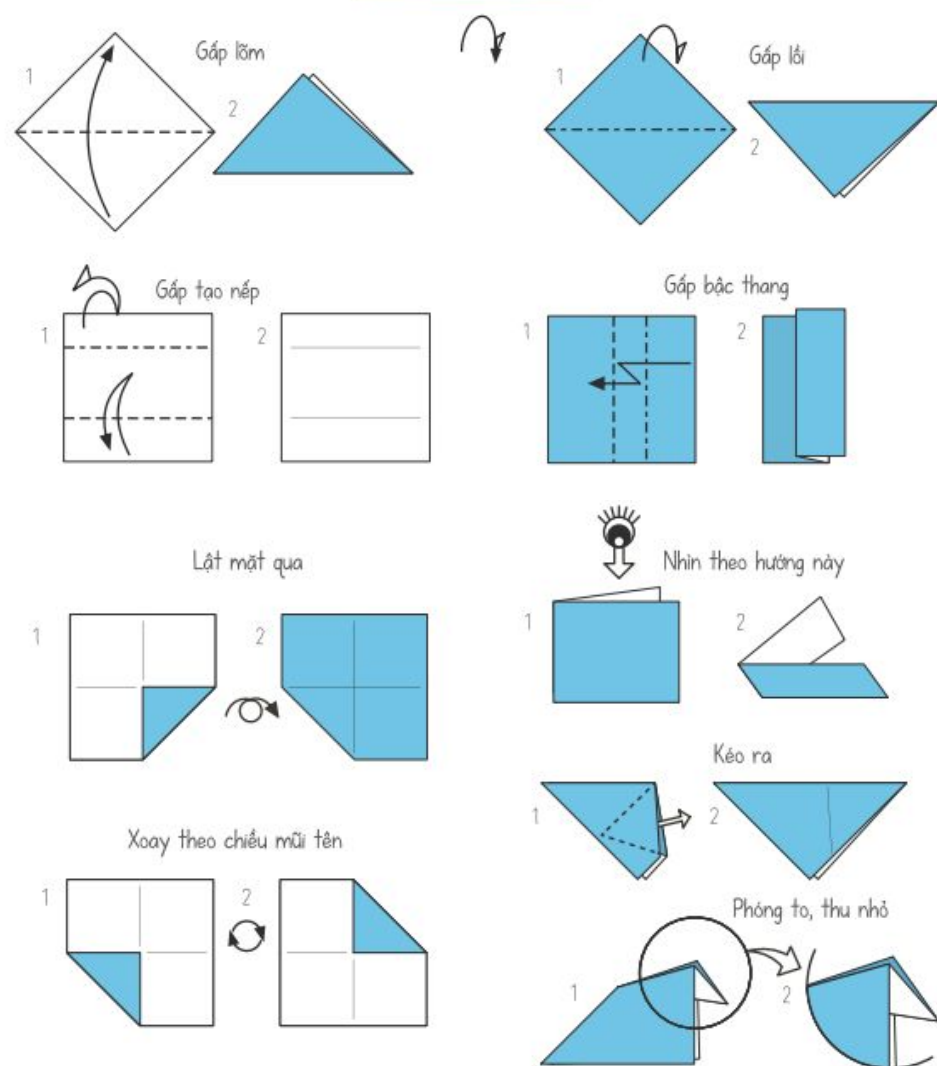
2.3 Auto drawing diagram by just click on a “Basic origami fold” command.



Fold and Unfold	>
Make Creases -only for Top Layer-	>
Valley fold *	>
Mountain fold *	
Inside Reverse-fold	
Outside Reverse-fold *	
Swivel fold *	
Swivel Reverse-fold	
Squash-fold *	
Open-sink	
Open-sink, In and Out	
Close-sink	
Close-sink, In and Out	
Complex Sink	
Complex Sink In and Out	
Pleat to front *	
Pleat to behind *	
Crimp inside	
Crimp outside *	
Rabbit-ear fold to front *	
Rabbit-ear fold to behind *	
Double Rabbit-ear fold	
Push and Crimp 1 *	
Push and Crimp 2 *	
Open and Crimp *	
Mirror on other side	
Mirror on the back	
Mirror in the font	
Rotate	
Turn-over	

– step by step

2.3 Auto drawing diagram by just click on a “Basic origami fold” command.



- Fold and Unfold >
- Make Creases -only for Top Layer- >
- Valley fold * >
- Mountain fold *
- Inside Reverse-fold
- Outside Reverse-fold *
- Swivel fold *
- Swivel Reverse-fold
- Squash-fold *
- Open-sink
- Open-sink, In and Out
- Close-sink
- Close-sink, In and Out
- Complex Sink
- Complex Sink In and Out
- Pleat to front *
- Pleat to behind *
- Crimp inside
- Crimp outside *
- Rabbit-ear fold to front *
- Rabbit-ear fold to behind *
- Double Rabbit-ear fold
- Push and Crimp 1 *
- Push and Crimp 2 *
- Open and Crimp *
- Mirror on other side
- Mirror on the back
- Mirror in the font
- Rotate
- Turn-over

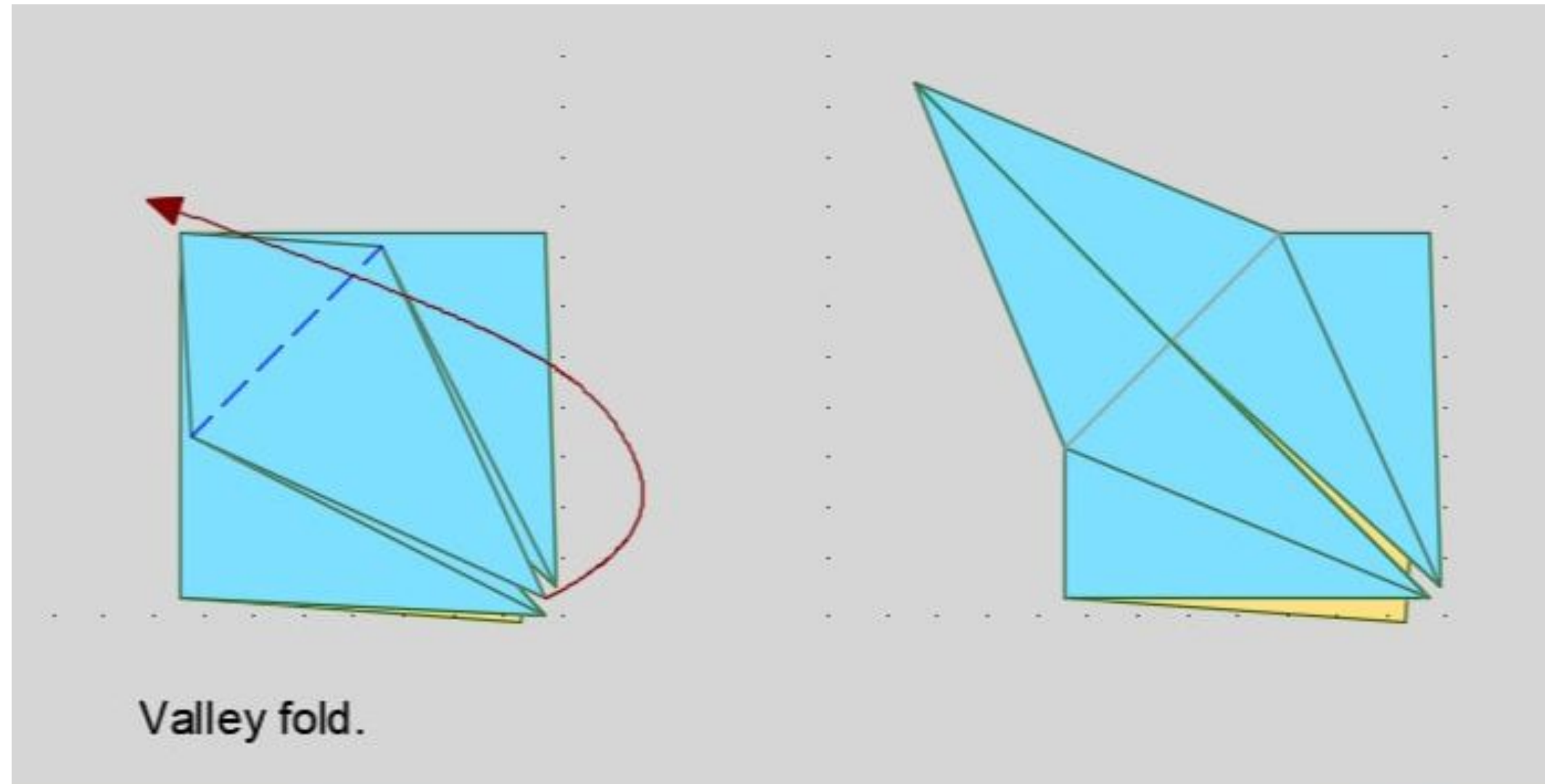
2

Diagram Drawing

Dong Viet Thien

– step by step

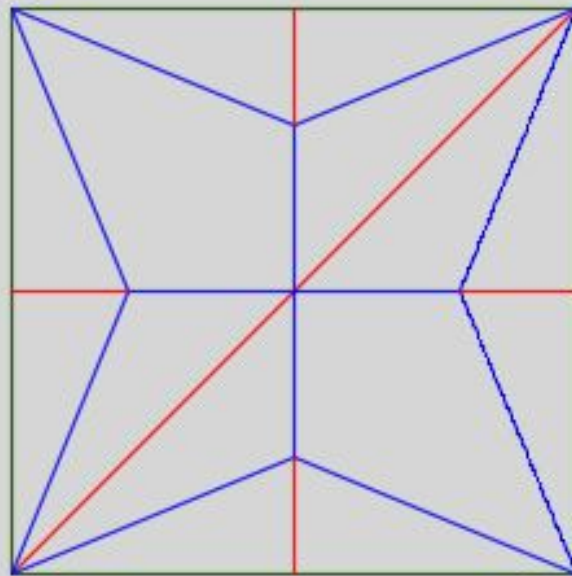
2.3 Auto drawing diagram by just click on a “Basic origami fold” command.



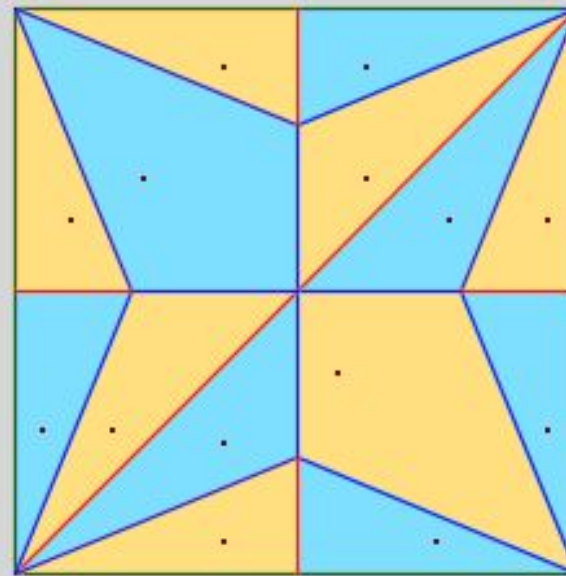
3.1 Auto folding the final base from CPs.

Easy edit position of the flap corner.

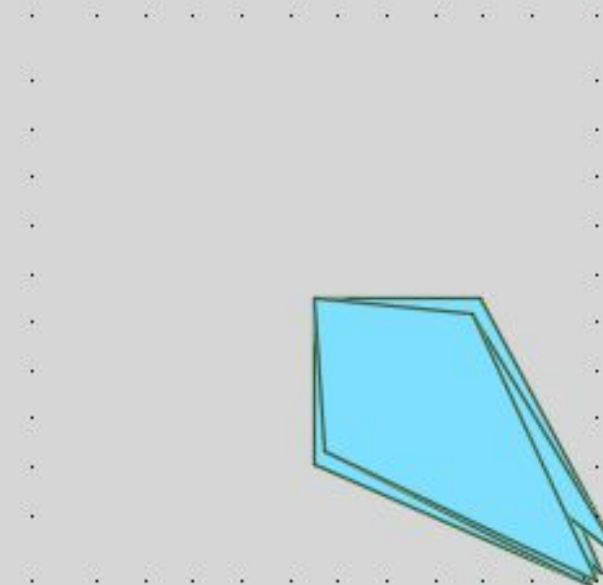
CP line



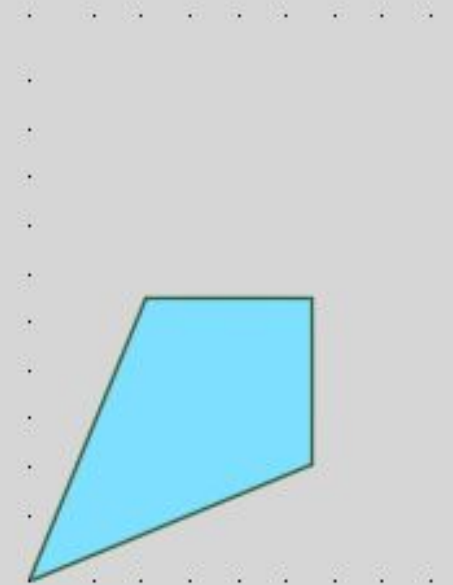
Two-colouring CP



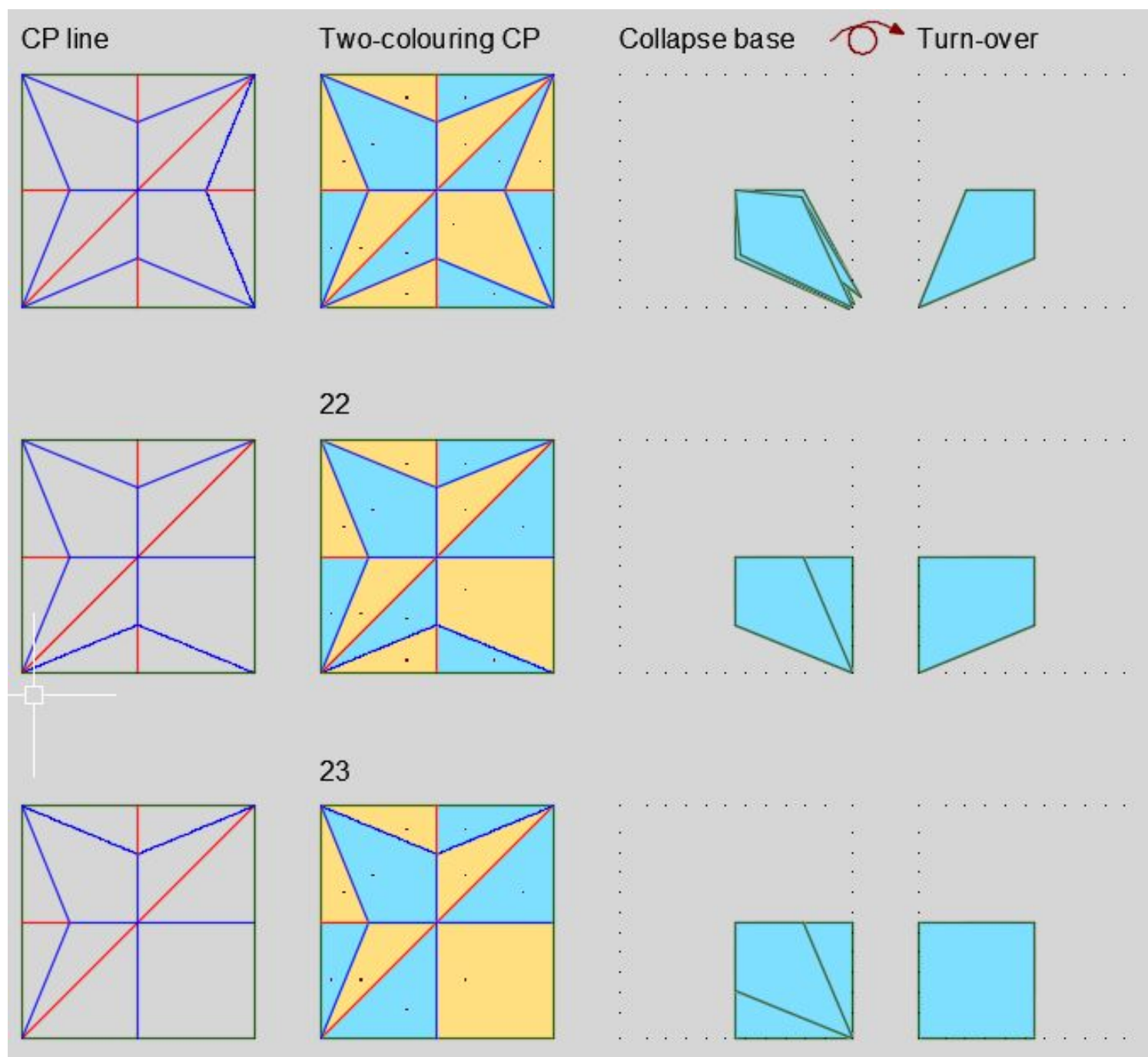
Collapse base



Turn-over



3.2 Unfold on the CPs.





CFC
Community for Creators of Origami

THANK YOU.

5TH CONVENTION - APRIL 04-06 -2025 - HANOI - VIETNAM