An abstract strategy game

TRIROAD
× T3PUZZLE

Various ways to enjoy a single game

- Learn the original and official rule of TRIROAD
- Build a road with as few pieces as possible
- Occupy a larger territory
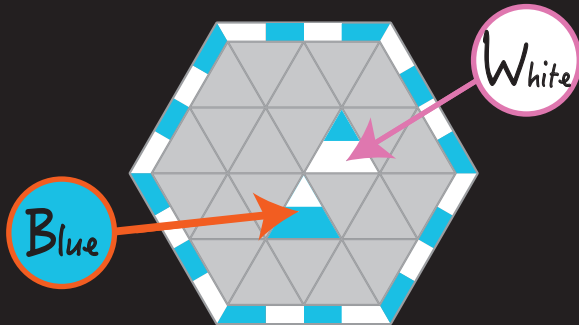- Make minimalist artwork
- Test your skill with AI

www.t3puzzle.com/triroad

Learn the original and official rule of TRIROAD

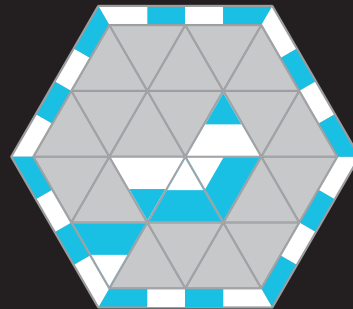## Build a road faster, or occupy a larger territory.

1 Two players are assigned the colors, blue and white. They take turns placing triangular pieces.
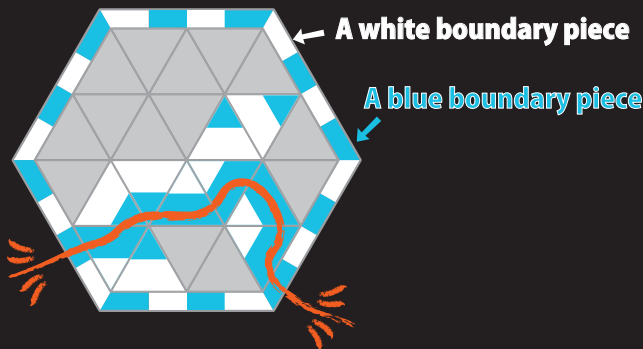
White

Blue

2 The pieces can be placed in six different ways to fit a vacant triangle on a board. Once placed, pieces can not be moved anymore.

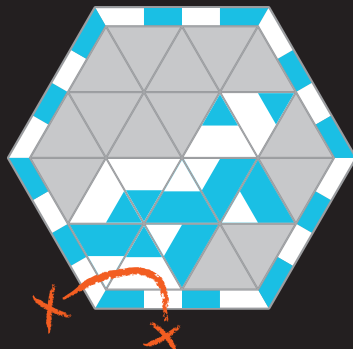**3** A player who build a road connecting two boundary pieces with the player's color faster than the other player wins.

← **A white boundary piece**

A blue boundary piece

4 A road is a connection between boundary pieces with the same colors. However, connecting boundary pieces right next to each other is not valid.
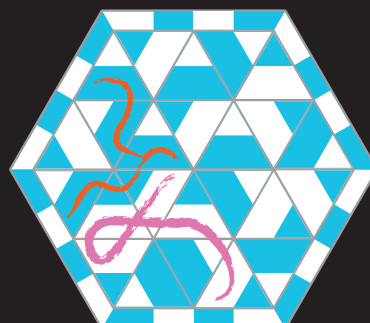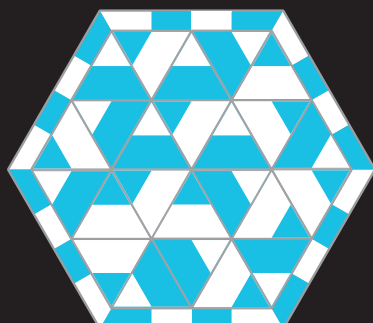
? If no player can build a road, the player who occupies the larger territory wins. If both players occupy the same territory, the game ends with a draw.

A territory is a connected area of the same color excluding boundary pieces. The size of a territory is counted by taking one quater of a piece as an area unit and adding the colored area of the pieces in the territory.

Blue	3	4	7	7	10	10
White	1	3	3	6	6	9

Learn by example

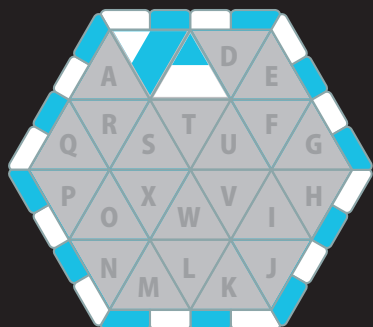|	
Blue	14
White	16

White wins

Variant 1: Build a road with as few pieces as possible

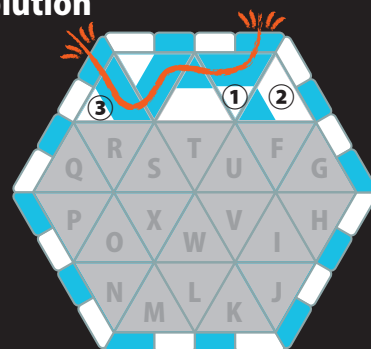## Tutorial

Difficulty level ： ★☆☆☆☆

The blue piece is placed first. Build a blue road with as few pieces as possible against any possible defence.

A piece can be placed in six different ways (0 to 5) to fit a vacant triangle (A to X) on a board.
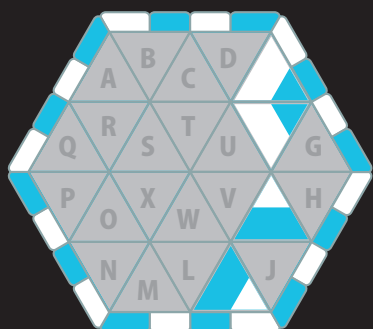

0 1 2 3 4 5

＊ Mutiple solutions may exist.
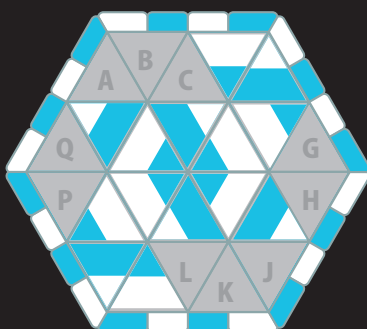
A solution

Only 3 pieces are placed to build a blue road.

①D2→②E4→③A0

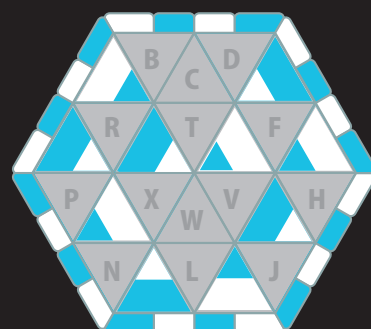## Excercise #1

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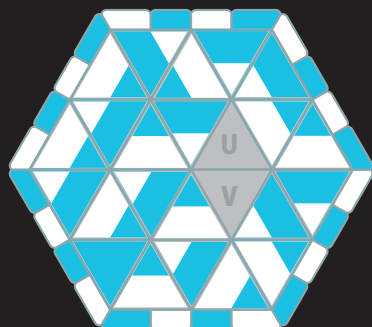## Excercise #2

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Excercise #3

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Variant 2: Occupy the largest territory

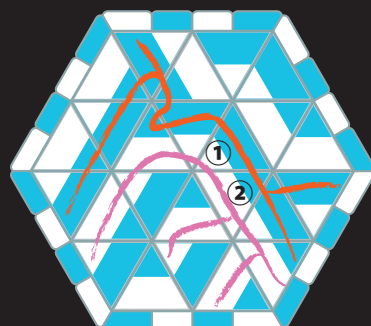## Tutorial

Difficulty level ： ★☆☆☆☆

The blue piece is placed first. Occupy the largest possible territory in blue against any possible defence.

A piece can be placed in six different ways (0 to 5) to fit a vacant triangle (A to X) on a board.
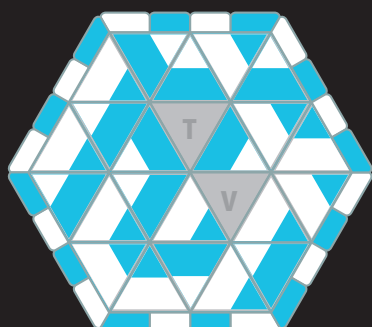

0 1 2 3 4 5

＊ Mutiple solutions may exist.
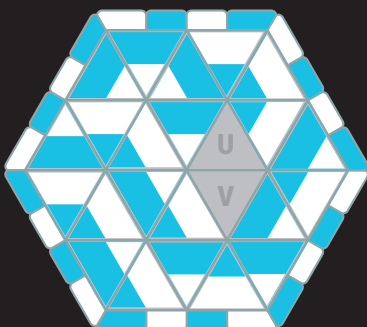
A solution

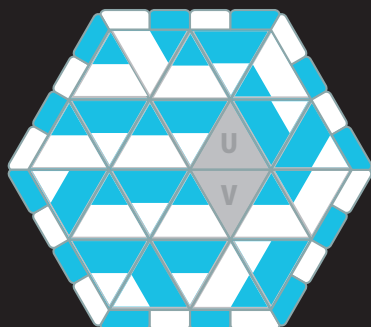The size of the largest territory is 23 area unit in blue.

①U0→②V5
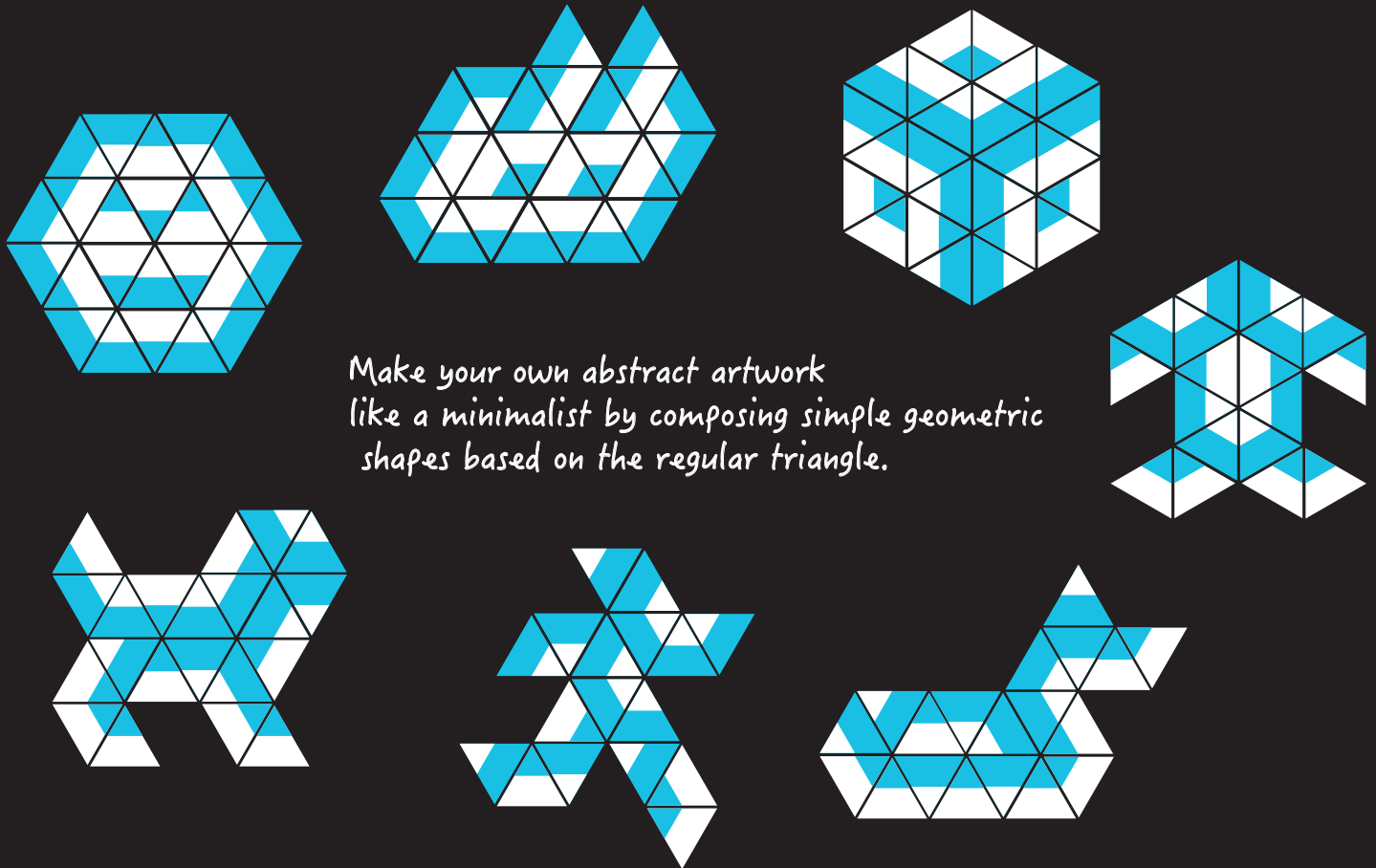
Excercise #1
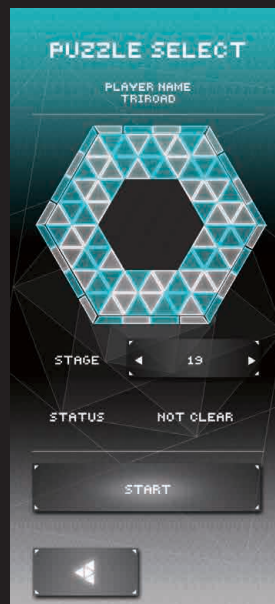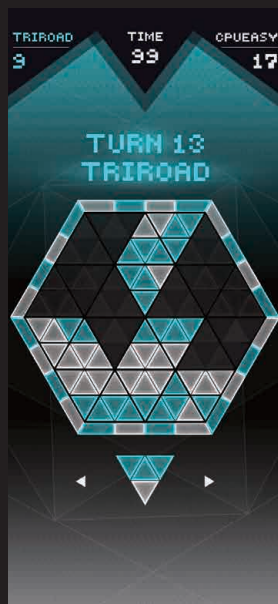

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Excercise #2

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Excercise #3

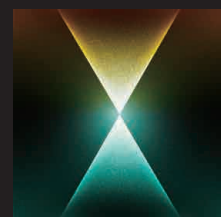

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Variant 3 : Make minimalist artwork

Make your own abstract artwork
like a minimalist by composing simple geometric
shapes based on the regular triangle.

Test your skill with AI

Scan the QR code on iOS or Android
to download a free-to-play app.

Or type "TRIROAD"
on App Store or Google Play
to find the app.

Game Designer: Fumihiko Nakamura (Kitami Institute of Technology)
Product Designer: Yoshiaki Araki (Japan Tessellation Design Association)
App Developer: ©Famulite Lab.