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## Space Rings

**Puzzle Goal:**

**Put the both rings into the frame.**

**Materials:**

Goncalo Alves for the frame, Afromosa and Sapele for the two rings

**Classification:** Put Together



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## Space Rings

**Puzzle Solution:**

First take both rings out of the frame. Put the two rings through each other to form a ball. Push the rings into each other. Put the two linked rings over two of the arches of the frame. Then move the two rings into the frame, one by one.



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# StarCluster

**Puzzle Goal:**

**Fit the three pieces flat into the tray (no force required!)**

**Materials:**

Red Alder Wood

**Classification:**

ASS-STRA, 2D



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# StarCluster

Puzzle Solution:



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## Stickman No. 2 Puzzlebox

**Puzzle Goal:**

The goal of this puzzlebox is to reach all 4 hidden compartments with a minimum of 55 individual moves.

**Materials:**

Oak (exterior), Maple (interior & inlays), Wood Glue, Stain, Lacquer

**Classification:**

Sequential Movement



## Stickman No. 2 Puzzlebox

**Puzzle Solution:**

The first compartment can be opened through various combinations of manipulating its two exterior tabs up and down, sliding the lid back and forth, and pulling out the internal drawer. Second and third compartments can be reached by removing the wooden cup found in the first drawer. If the entire box is closed back up while the wooden cup is removed, the fourth compartment can be reached by sliding the lid back entirely.



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## Stickman No. 3 Puzzlebox

**Puzzle Goal:**

The goal of this puzzlebox is to find all 3 hidden compartments with a minimum of 106 individual moves.

**Materials:**

Oak (mechanical components), Maple, Oak or Cypress (main box – depending on style), Wood Glue, Stain, Lacquer, Brass Screws

**Classification:** Sequential Movement



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## Stickman No. 3 Puzzlebox

**Puzzle Solution:**

Hidden compartments can be reached by manipulating the mechanical tabs, lever, gear knob, and internal drawer in the proper order. The last hidden compartment can only be accessed by activating a switch in the second compartment and re-opening the first drawer again.



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## Stickman No. 4 Puzzlebox

**Puzzle Goal:**

The goal of this box is to open its two hidden compartments using the least amount of moves possible.

**Materials:**

Maple (main box & drawers), Cocobolo (tiles), Bloodwood (end frames & clutch), Wood Glue, Lacquer, Magnets, Bullet Catches.

**Classification:** Sequential Movement



## Stickman No. 4 Puzzlebox

### Puzzle Solution:

A single box drawer can be opened when all three special tiles (marked by various sized inlayed dots) are matched up with corresponding sized dots at each end of the box. The tile with the largest dot can then be slid back, pushing out the drawer far enough to be grasped. Moving the special tiles to the other end of the box will open the second drawer. Tiles can move from one side of the box to the next by extracting a wand from the central mechanical clutch and sliding tiles into the slot. With the wand pushed back in, the clutch can be turned to the appropriate box side, and the tile extracted.



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## Sway Cube

**Puzzle Goal:**

**How can you take the cube apart?**

**Materials:**

Walnut and Magnolia

**Classification:**

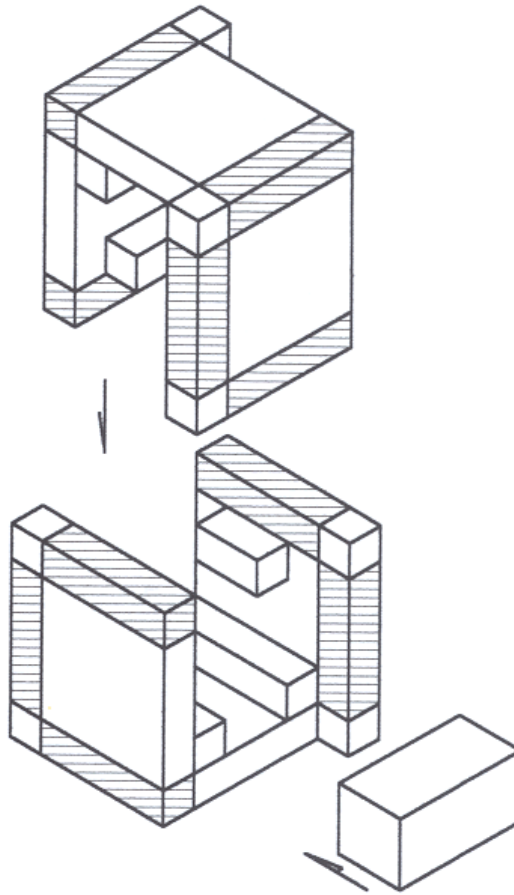
Take-Apart Puzzle



# Sway Cube

## Puzzle Solution:

1. Shake the cube slowly back and forth, and find a position until you hear rattle sounds clearly by the movement of a piece which is hidden inside.
2. Hold the bottom edges with both hands, the part furthest from you with the index fingers and put the ring fingers on edges closer to you. Now, find the position by pressing the side edges on the top with your thumbs which makes a slight motion of the panels by moving a 1/10 centimeter or so.
3. If your try failed, rotate the cube and try again. (There are 4 position which you will hear the rattles when the cube is shaken back and forth, and one position of which will open.)
4. When you find the right position, put the pieces almost to the beginning position and sway the inside piece back and forth again by pressuring your thumbs until it unlocks and breaks into three pieces.



# swissmad

**Puzzle Goal:**

On a swismad, you'll find 8 different symmetrical shapes shown on each corner. Your challenge is now to combine those 8 figures simultaneously on both sides. Of course, the colors aren't always the same on each face. With only 8 diagrams, you can already go through 28 possible couples of figures, over more than a million combination. Beware: It can drive you mad !

**Materials:**

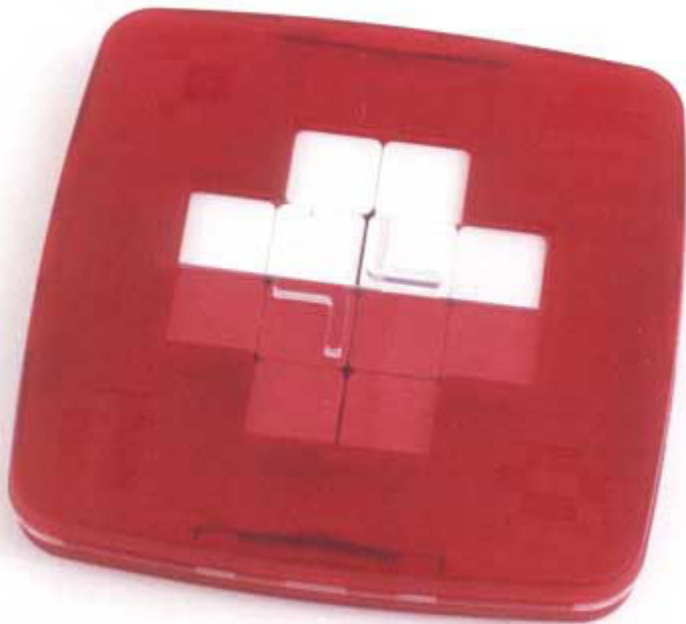
transparent ABS, POM, steel

**Classification:**

sequential movement

**Notes:**

How to move: Hold the game with the blank space for logo towards you, thumbs on top, index fingers underneath. Use the thumbs to move vertically, use the index fingers to move horizontally.

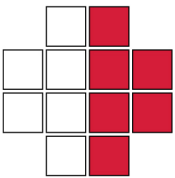


## swissmad

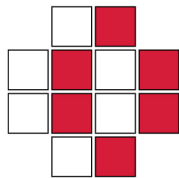
## Puzzle Solution:

Swissmad has got 3 white-white squares, 3 red-red, 3 white-red and as much red-white. Mathematically, it moves like a 15 puzzle, always three pieces moving together at once. However, because its particular disposition, that's a novelty, you can switch two different square by using a third one how is a similar type than one of the two to move. That subtlety allows you to create any shape you like or you can imagine. To combine both sides, you may fall on impossibilities of combinations. This is due to the fact that e.g. behind 6 white pieces, you'll get always 3 white and 3 red ones. A part of the original fun brought by swissmad !

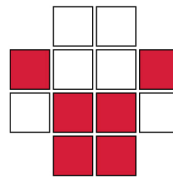
Possible combinations: 1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 1-8, 2-2, 2-3, 2-4, 2-5, 2-6, 2-7, 2-8, 3-3, 3-4, 3-5, 3-6, 3-8, 4-4, 4-5, 4-6, 4-7, 4-8, 5-7, 6-7, 7-7, 7-8.



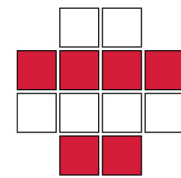
1



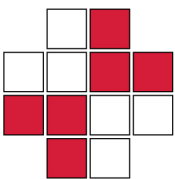
2



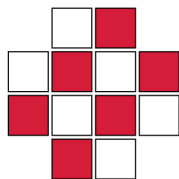
3



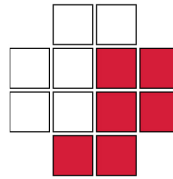
4



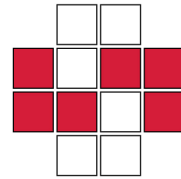
5



6



7



8



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## TanaCube

**Puzzle Goal:**

To assemble 12 pieces to form a cube having an identical tangram arrangement on each of its faces

**Materials:**

Wood and glue

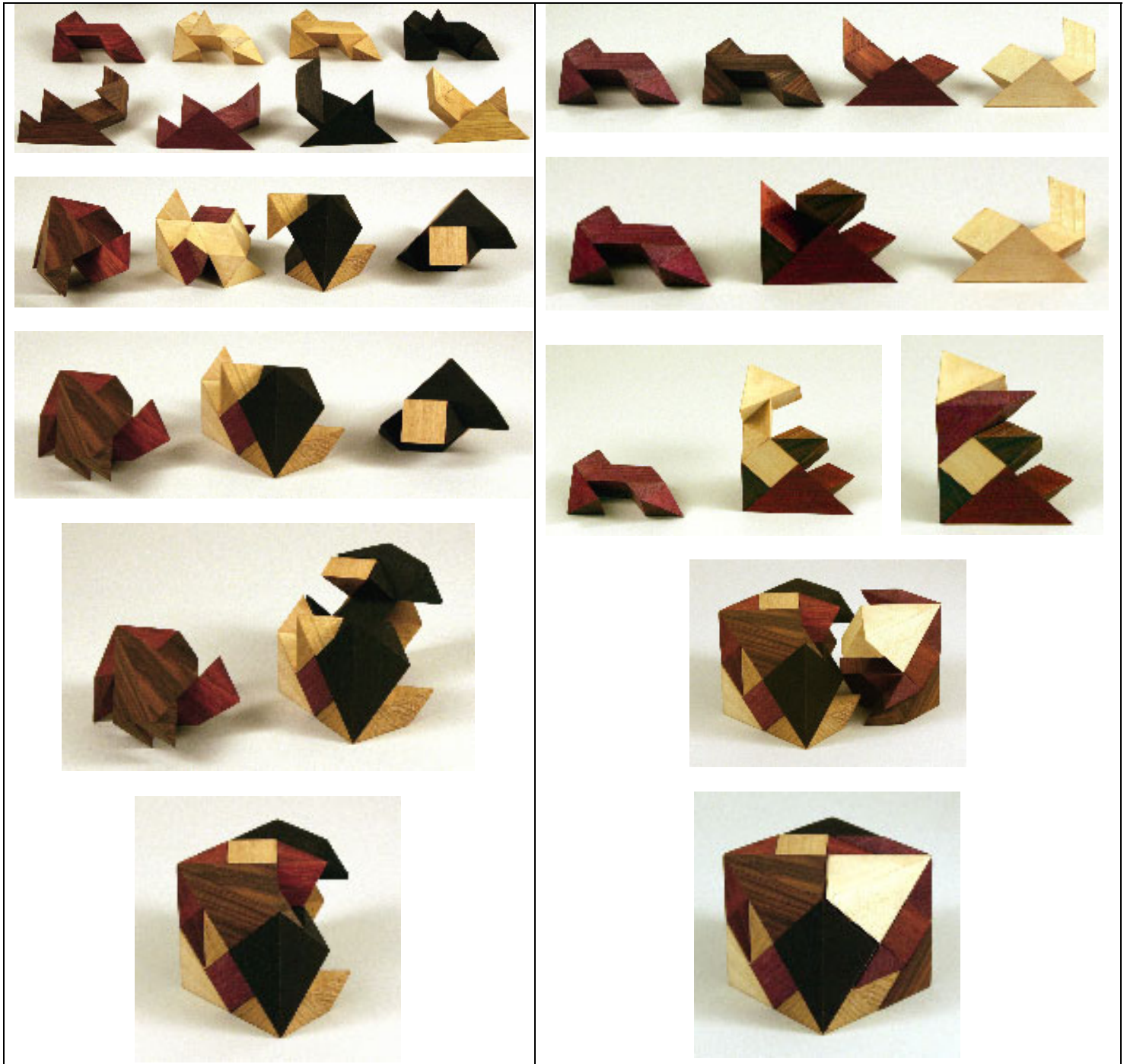
**Classification:**

Interlocking



# TanaCube

Puzzle Solution:



# Tanacube Too

**Puzzle Goal:**

**take apart - put together**

**Materials:**

Acrylonitrile Butadiene Styrene (ABS plastic)

**Classification:**

3.2 Interlocking Solid Puzzle



# Tanacube Too

Puzzle Solution:

Screw the blue!



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## Tangled Gym Jewel Box

**Puzzle Goal:**

**First, try to remove the chain from the frame. Then, try to return it to the starting position.**

**Materials:**

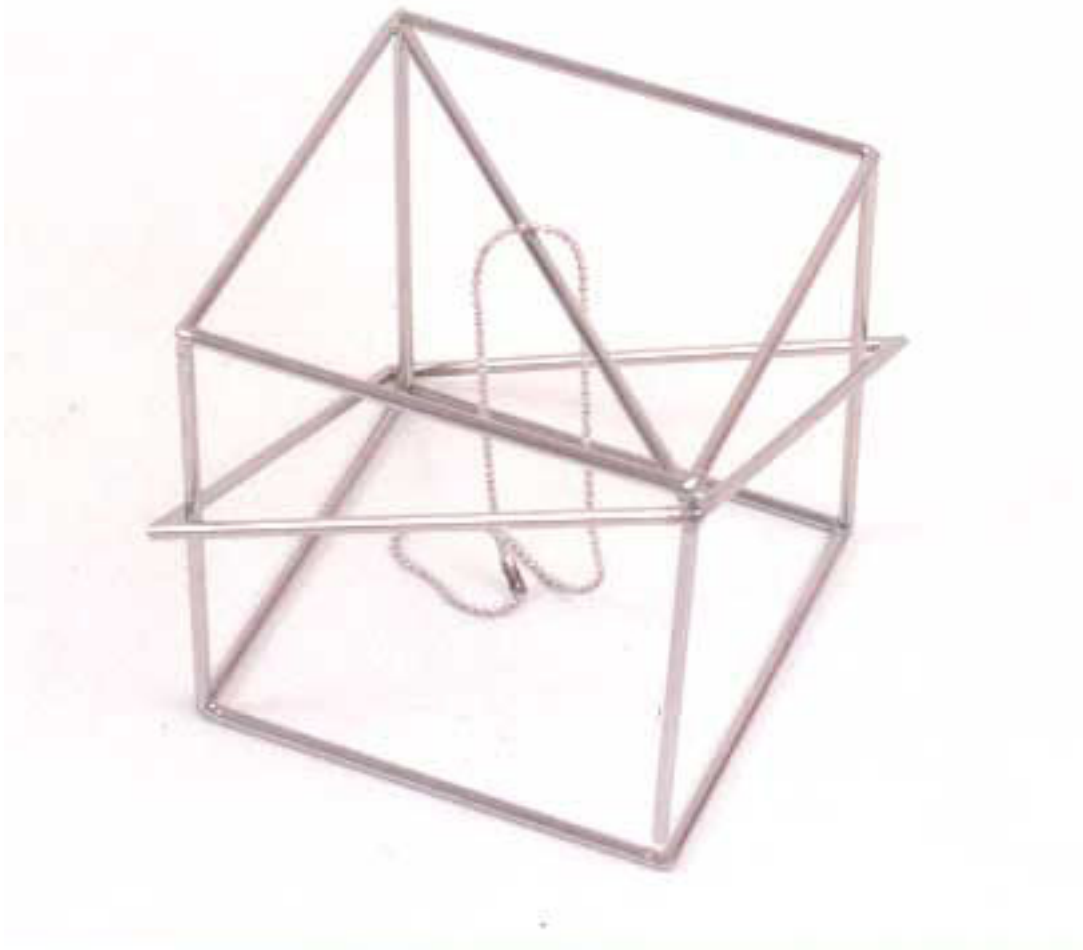
Stainless wire and chain

**Classification:**

Disentanglement

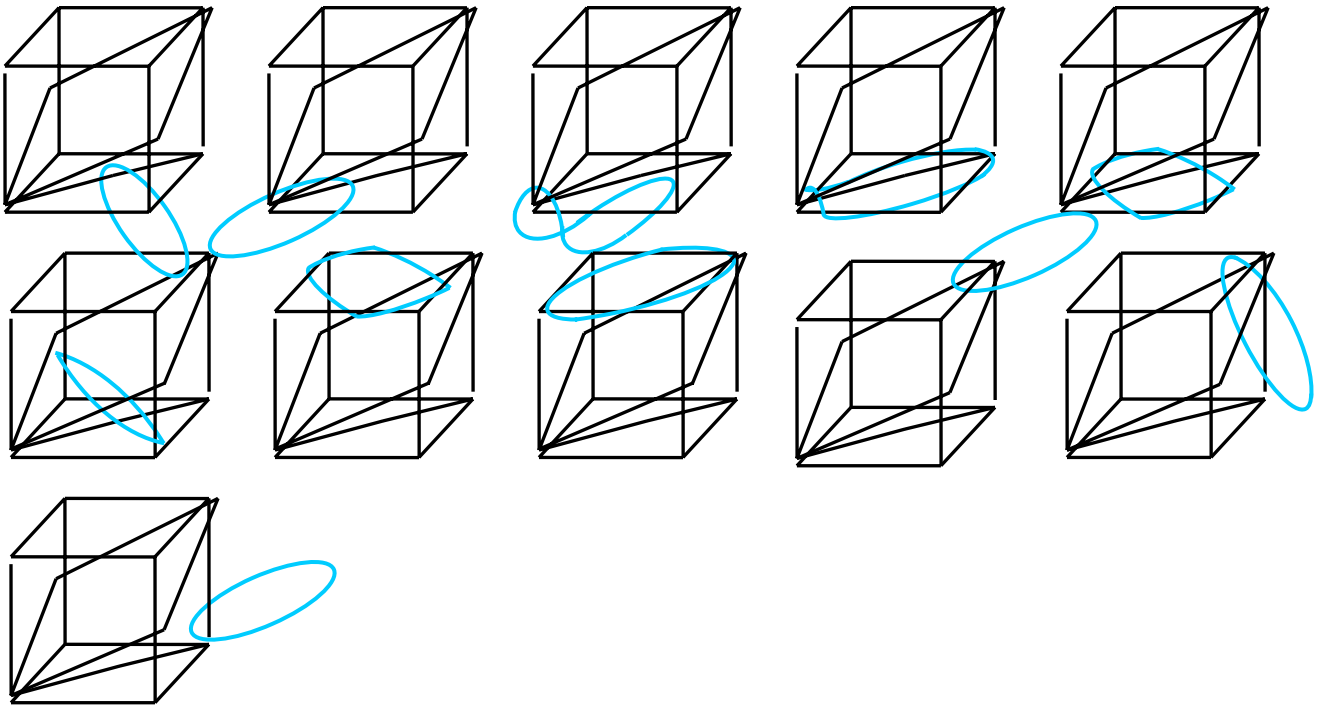
**Notes:**

This puzzle is very delicate. It only needs a little strength. Too much, and you will change it.



# Tangled Gym Jewel Box

Puzzle Solution:



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## toe-KEY-yo

**Puzzle Goal:**

**Get the ring off of the KEY**

**Materials:**

360 Brass machined

**Classification:**

Sequential Movement



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## toe-KEY-yo

**Puzzle Solution:**

Pull the toe of the key twist  $\frac{1}{4}$  turn,  
Slide yoke or head of key to one side  
And remove RING



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## Triangular Jam

**Puzzle Goal:**

**Beginning:** Put the four triangular pieces in the starting position.

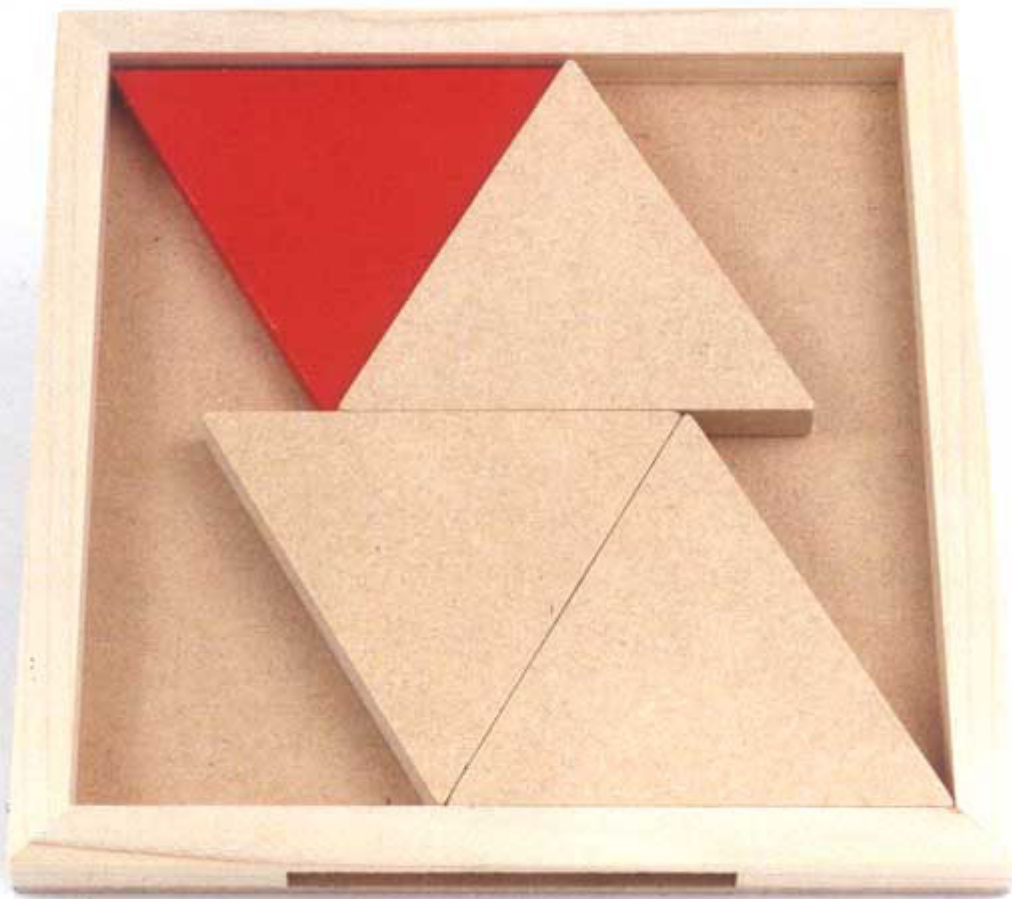
**During the game:** Slide pieces without picking them up.

**End:** Slip the red triangle through the hole in the front of the frame. (Only the red one can go through.)

**Materials:**

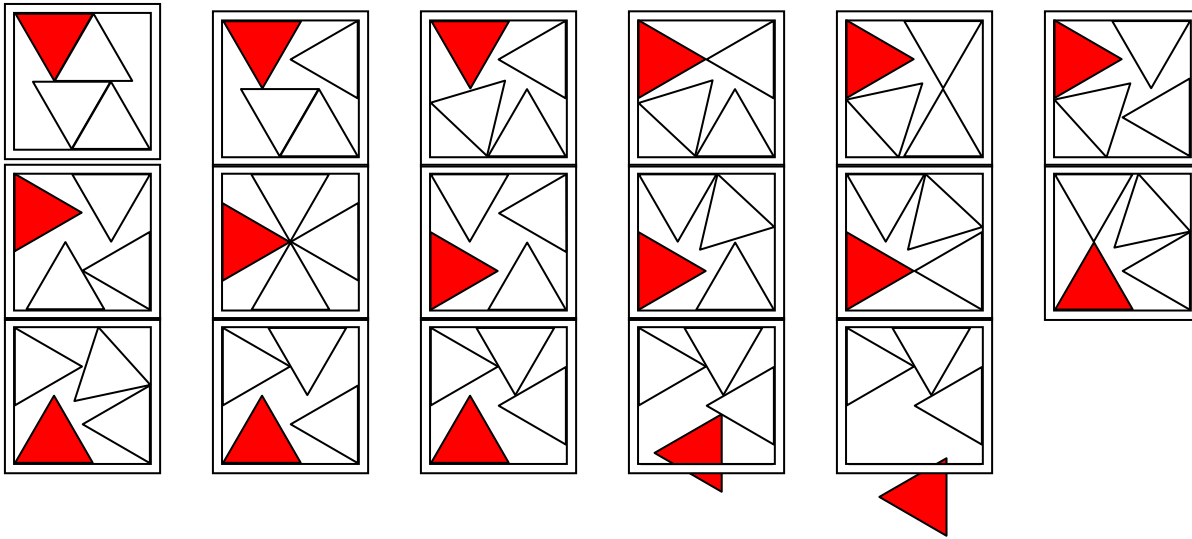
MDF and wood

**Classification:** Sequential Movement (Sliding Piece Puzzle).



# Triangular Jam

Puzzle Solution:



# Tricullis

**Puzzle Goal:**

The goal of the puzzle is to take it apart and to re-assemble it. The puzzle has four pieces, two of which fit together to make an assembly that is identical to the remaining two pieces.

**Materials:**

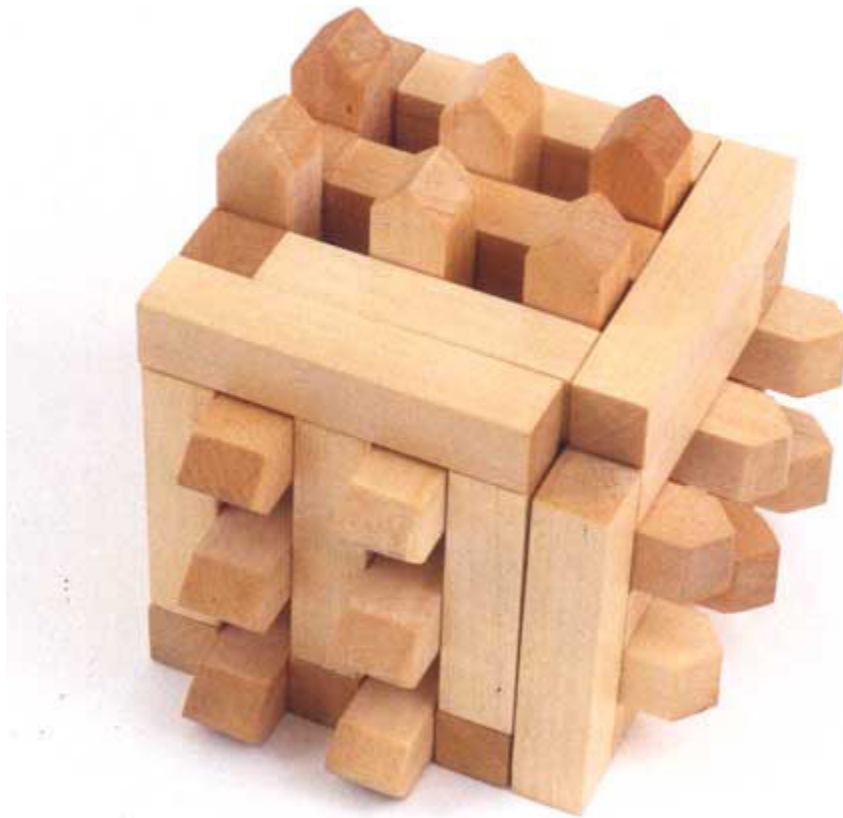
basswood

**Classification:**

Take apart - Put together

**Notes:**

No forcing, twisting or bending of the pieces or joints is required to solve the puzzle. Please take care with the delicate glue joints.

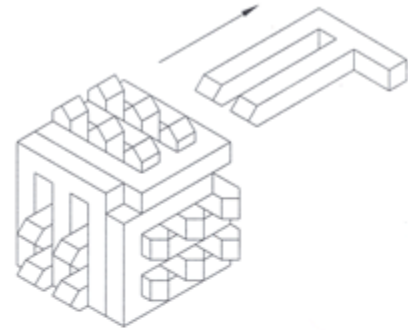


# Tricullis

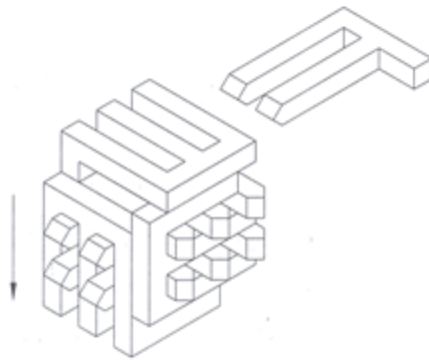
Puzzle Solution:



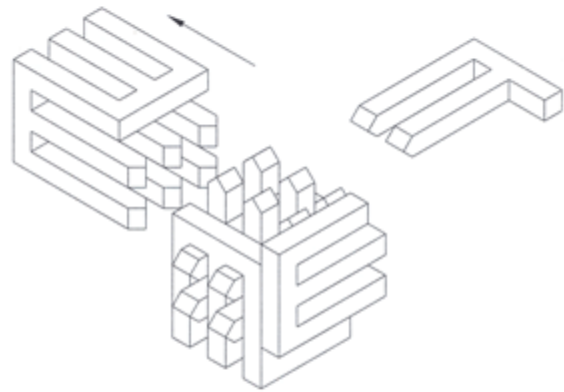
1. The assembled puzzle.



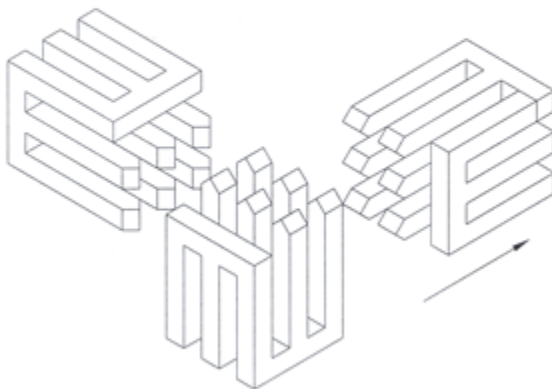
2. Remove the sliding piece.



3. Slide the lower piece downward.



4. Remove the side piece.



5. All pieces can now be separated. Reverse the sequence of move to reassemble the puzzle.

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## Twisted's Sister

**Puzzle Goal:**

**Gold plated 150mm (6 inch) nails**

**Materials:**

Gold plated 150mm (6 inch) nails

**Classification:**

Disentanglement

**Notes:**

The concept was found by accident during the manufacture of a remake of The Glass Nails. I have known about the puzzle for a number of years but only in the last year have I worked on a design that does not come apart/go together the same as the original puzzle.



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# Twisted's Sister

Puzzle Solution:

