

Jenga Views

By David K Butler 2020

(Based on “Fun with Ortho-Projections” by J.D. Hamkins, 2018.)

This file contains 30 Jenga Views puzzles.

For each Jenga Views puzzle, you need to build a structure with Jenga blocks that has the side view, the front view and the top view shown in the pictures. The shadowy shape in the middle is not a picture of the solution; it's just there to remind you the final structure is a 3D shape.

After the 30 puzzles, there are some blank puzzles for you to draw the three views for your own Jenga Views puzzles

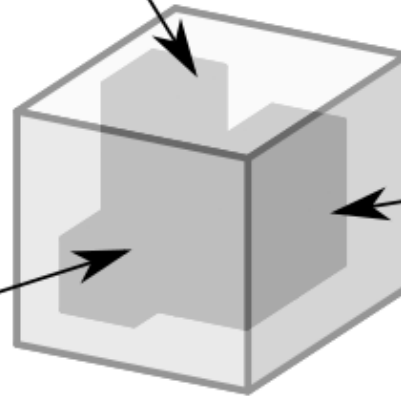
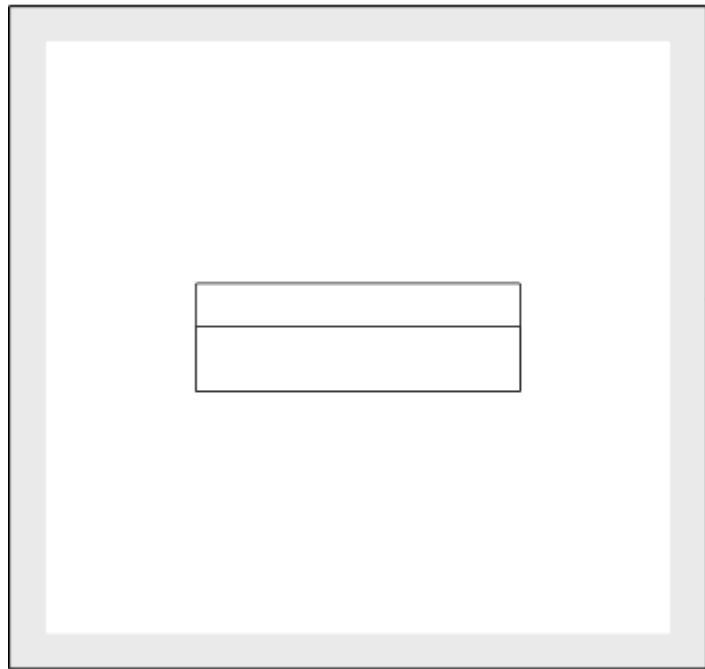
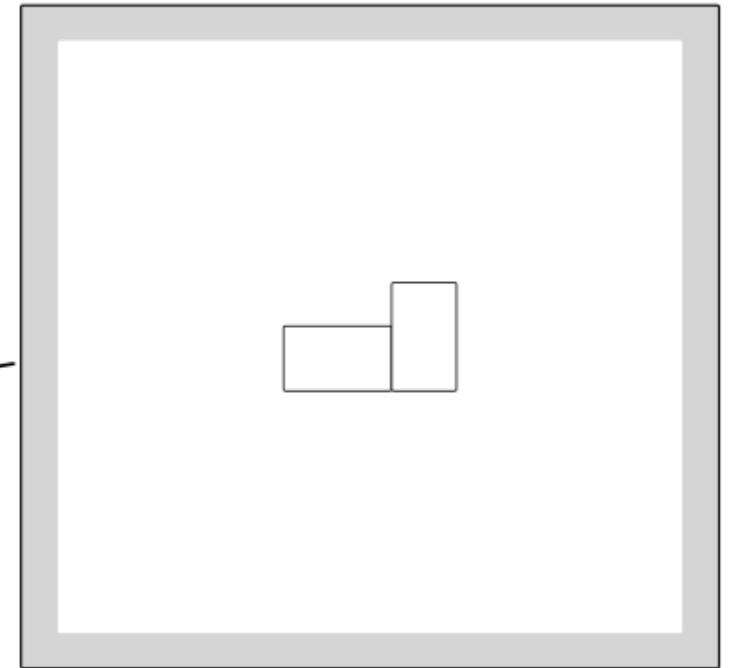
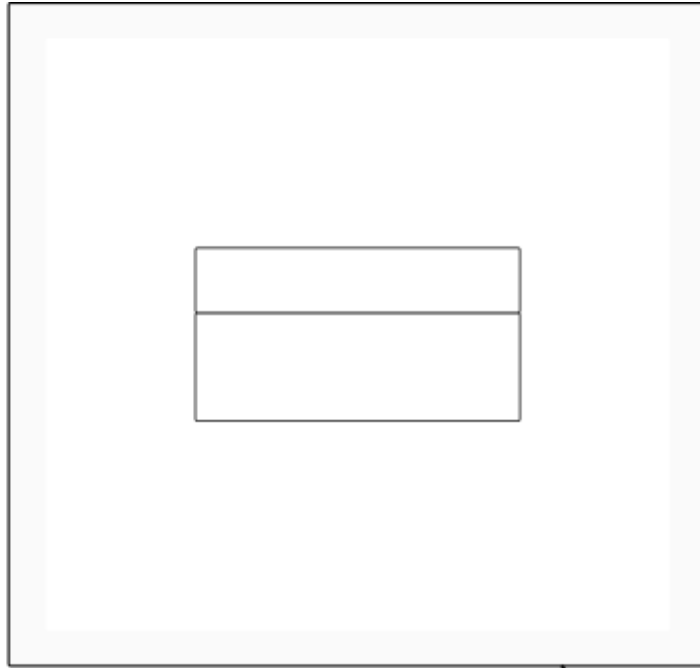
Note, if you do not have Jenga blocks, then at the end of this file, there is a printable template and instructions for you to make your own blocks from paper. You will need at most six blocks for each Jenga Views puzzle.

1

Jenga Views

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Build a structure with Jenga blocks that has these three views.

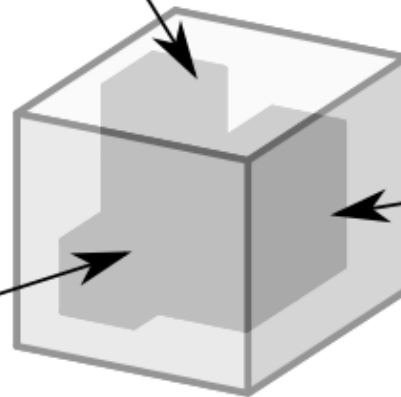
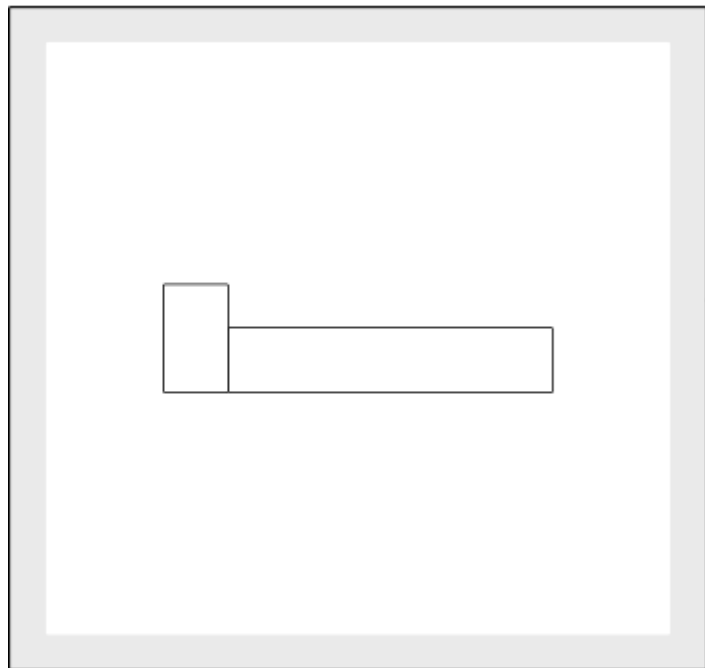
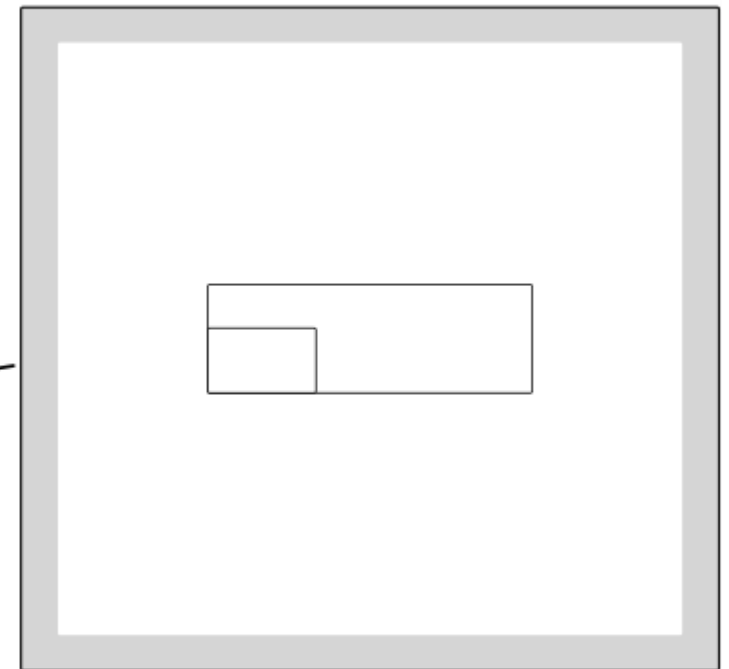
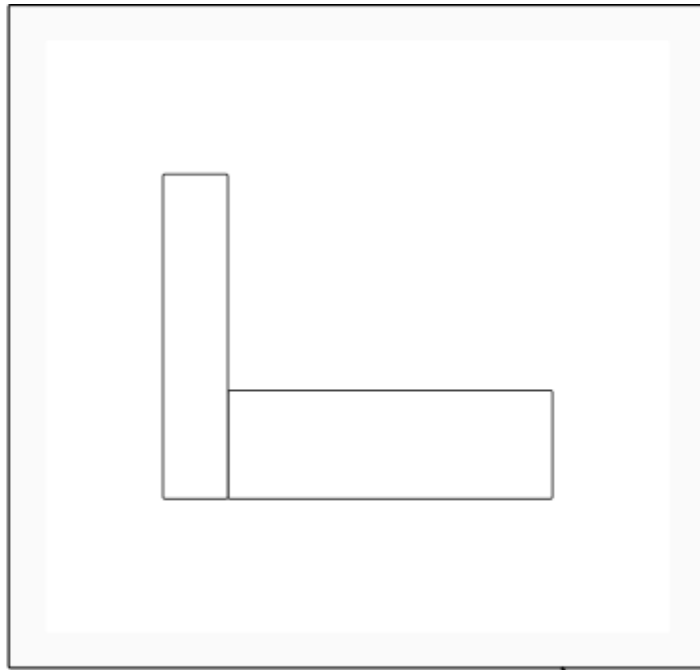


2

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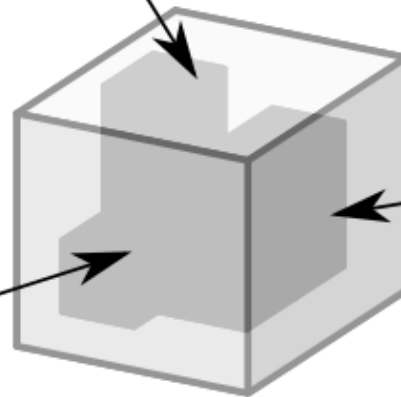
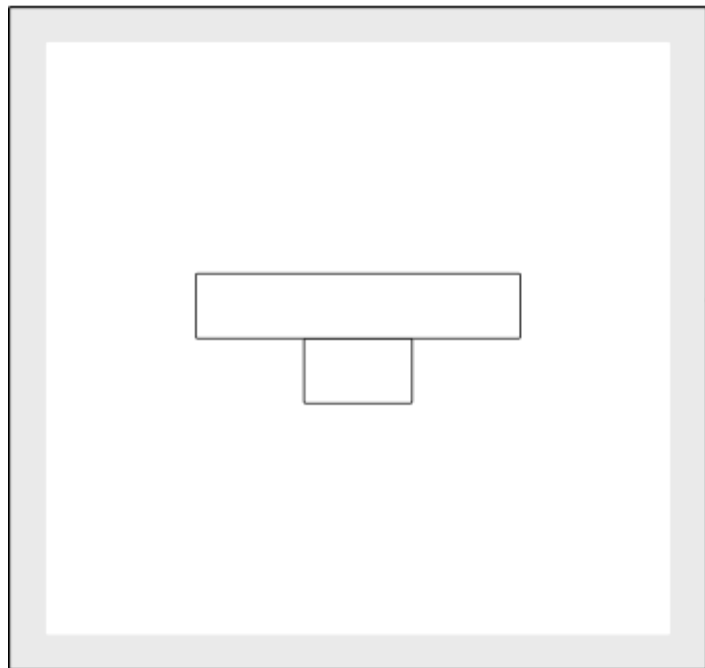
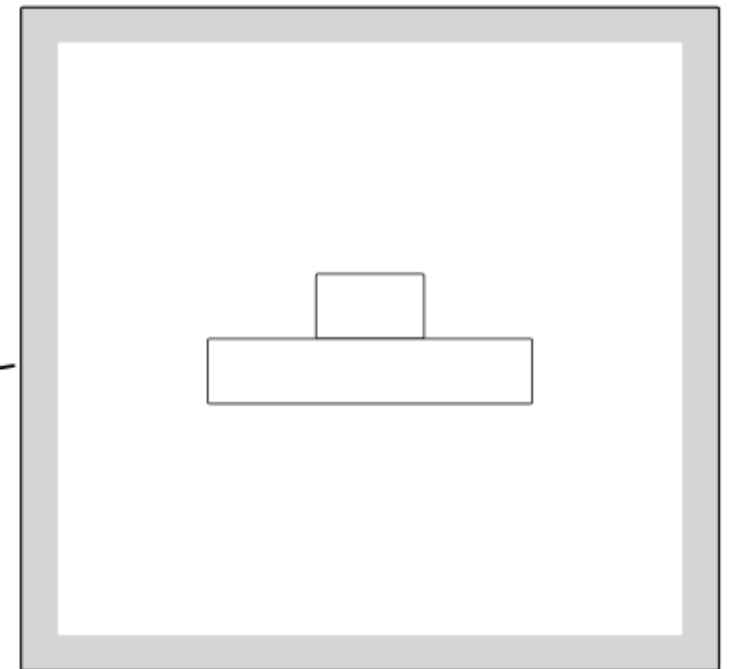
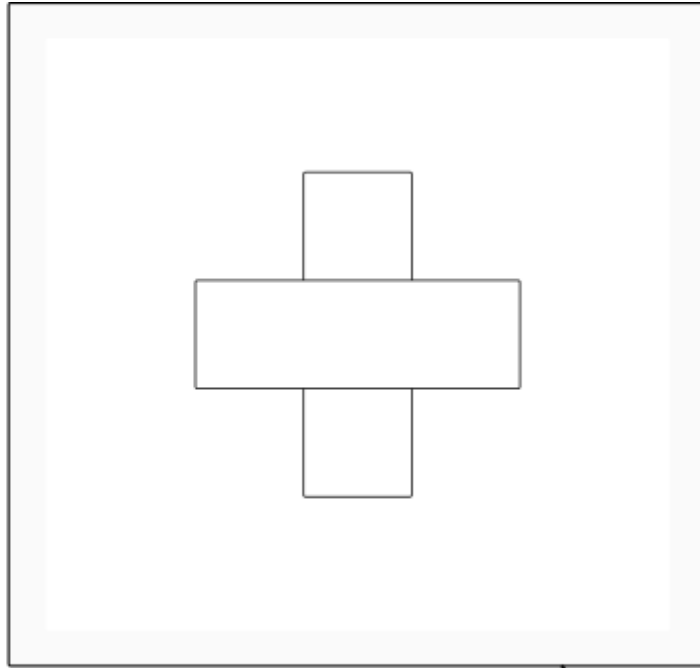


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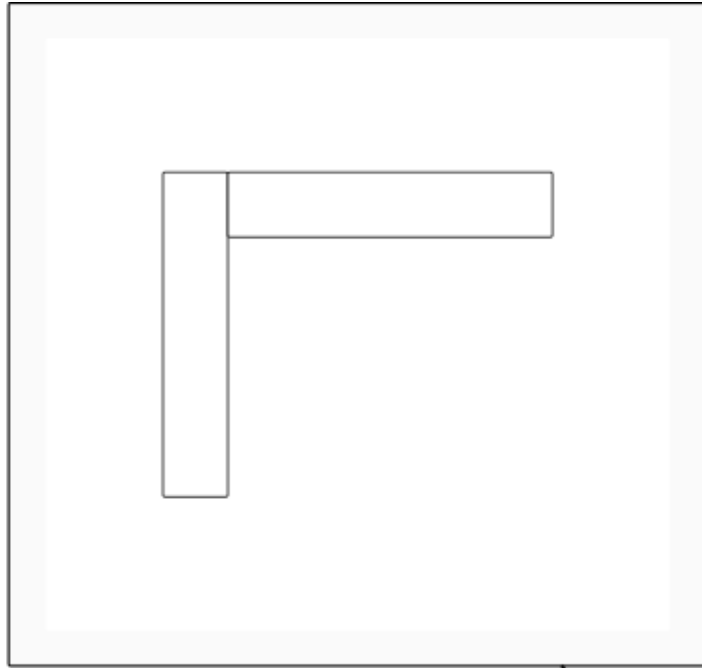
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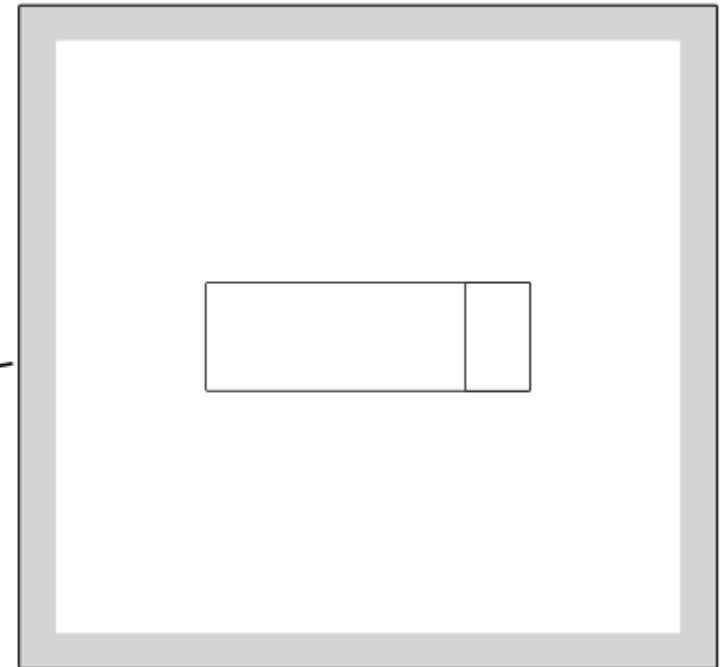
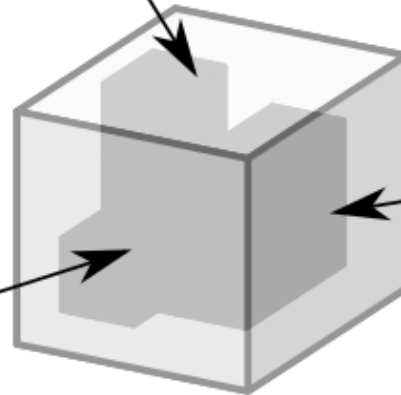
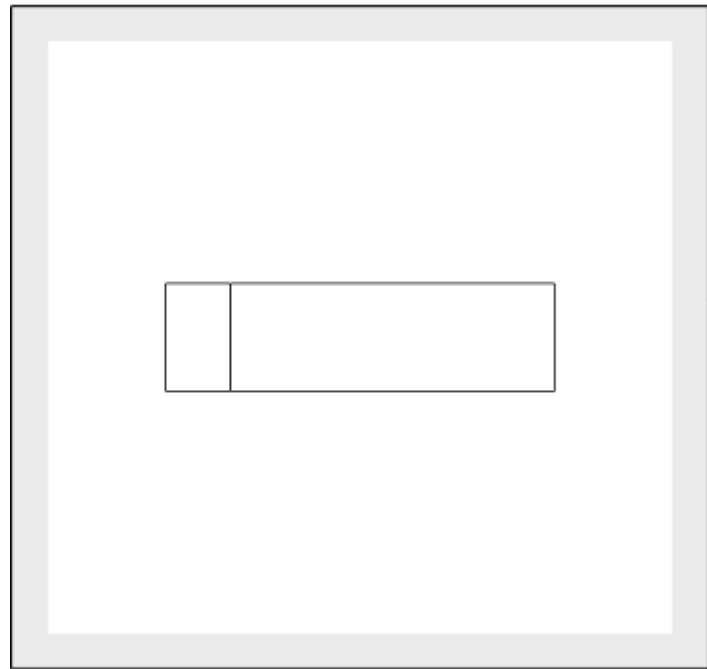
4



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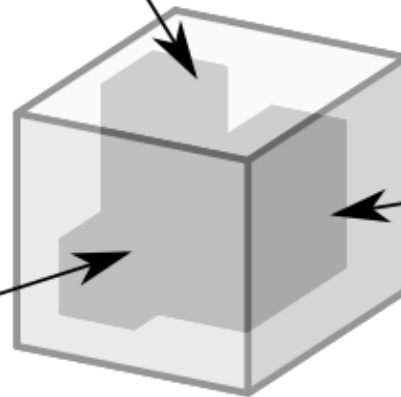
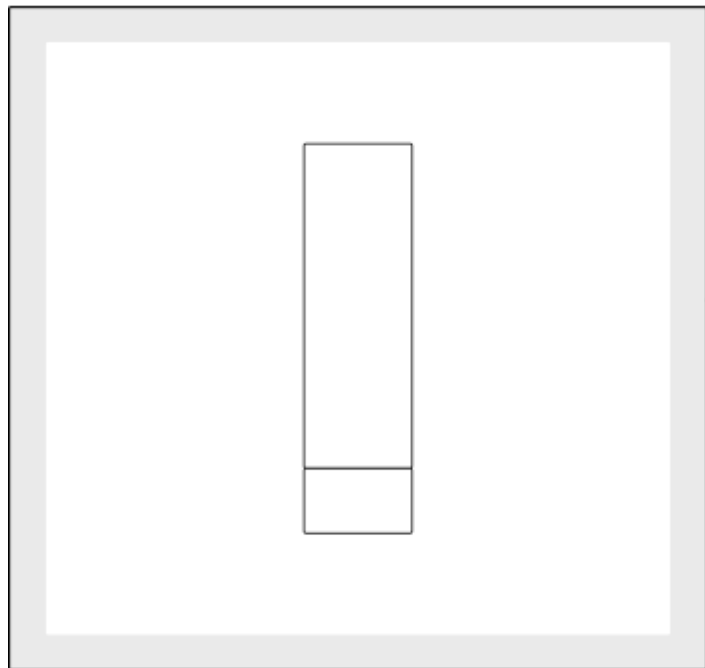
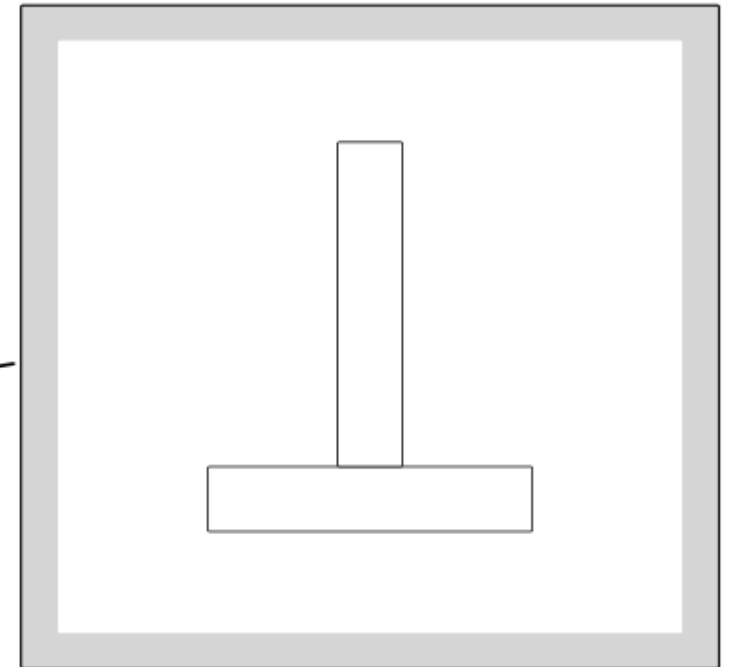
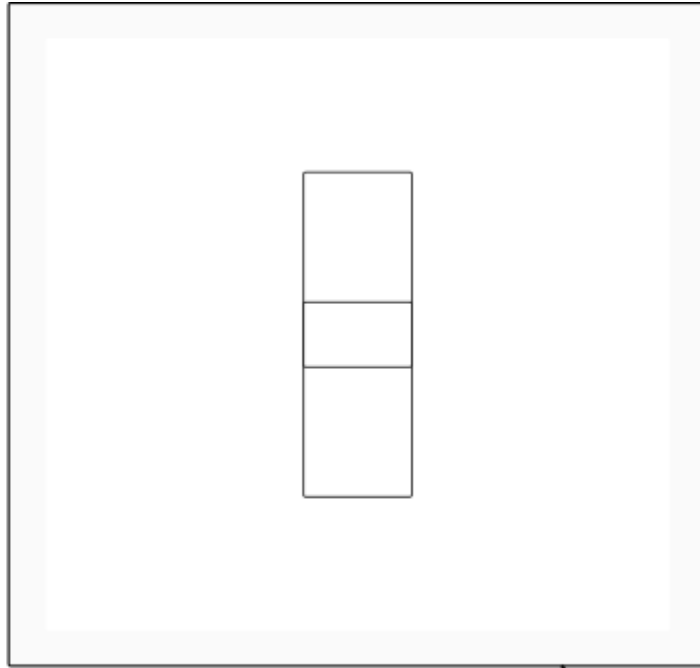


5

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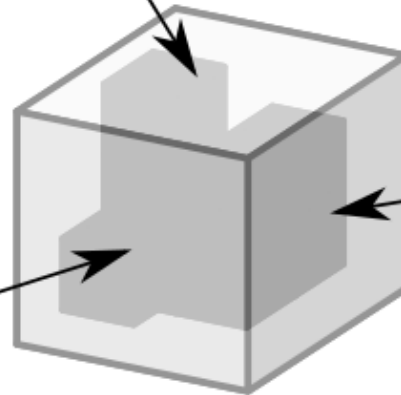
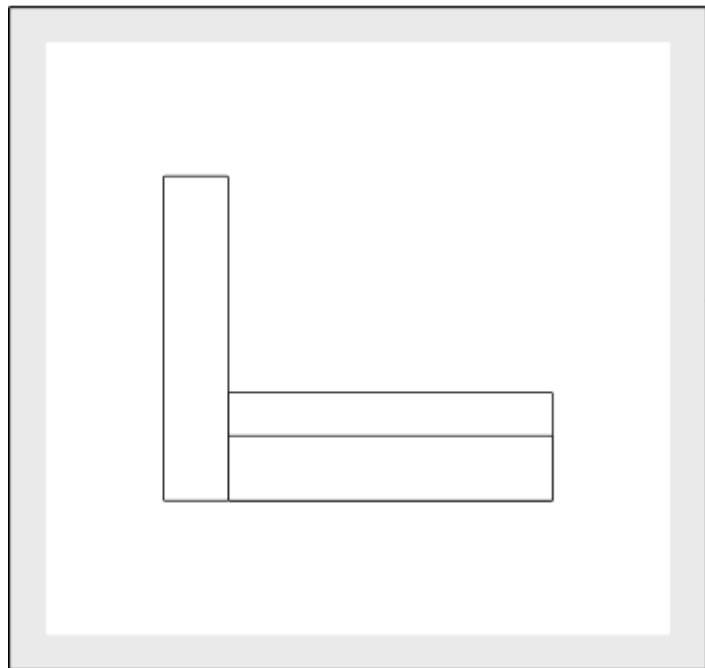
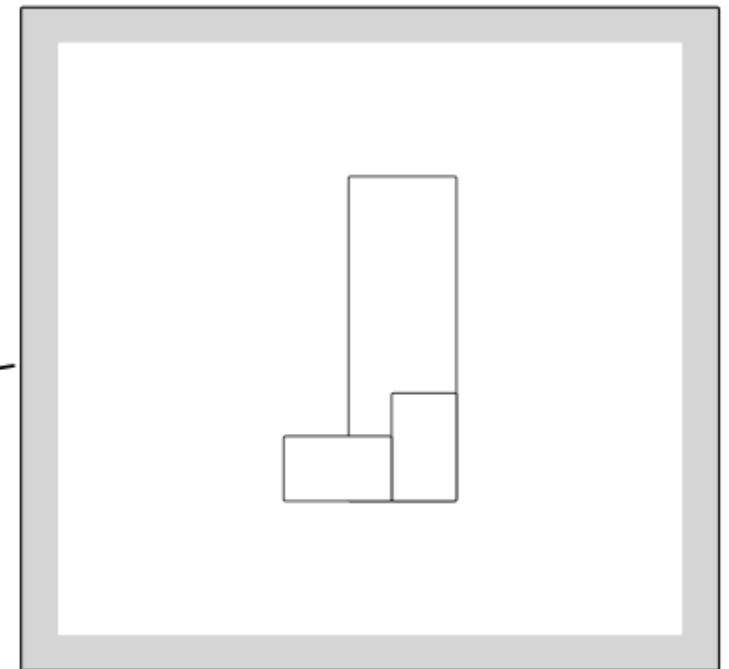
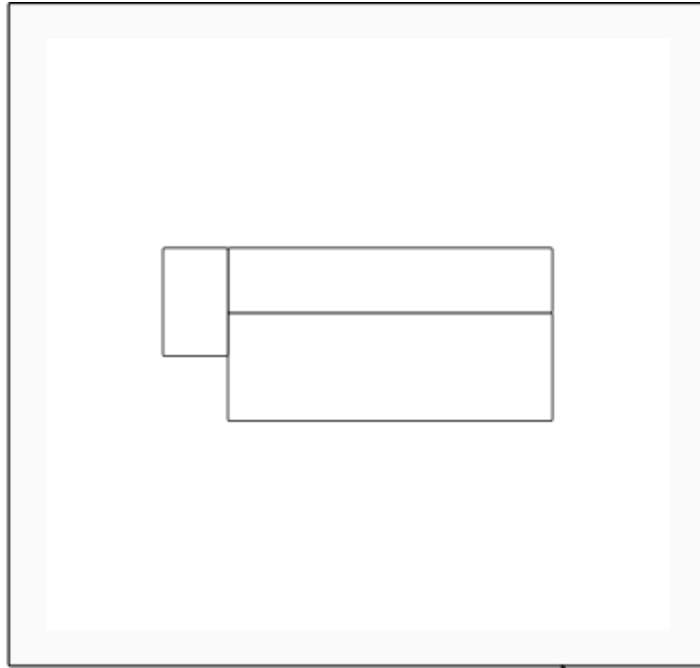


6

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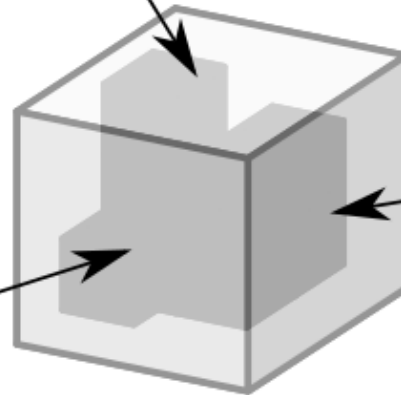
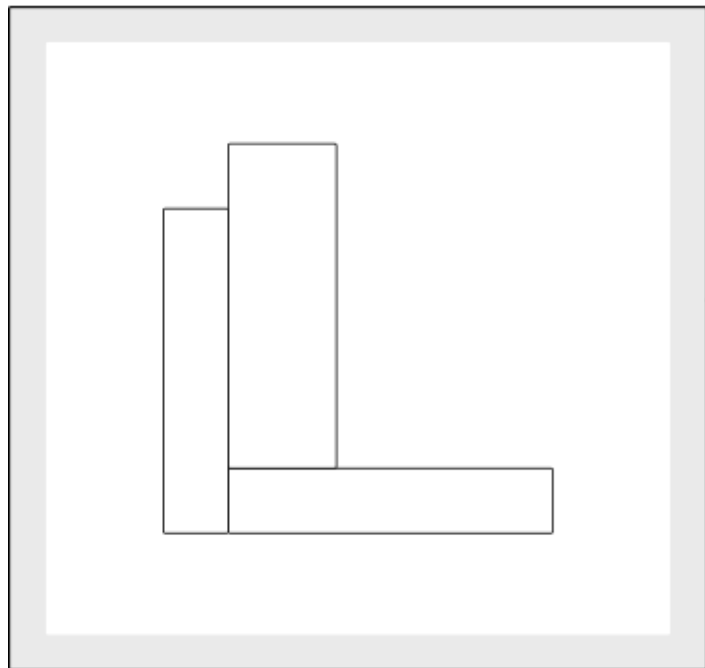
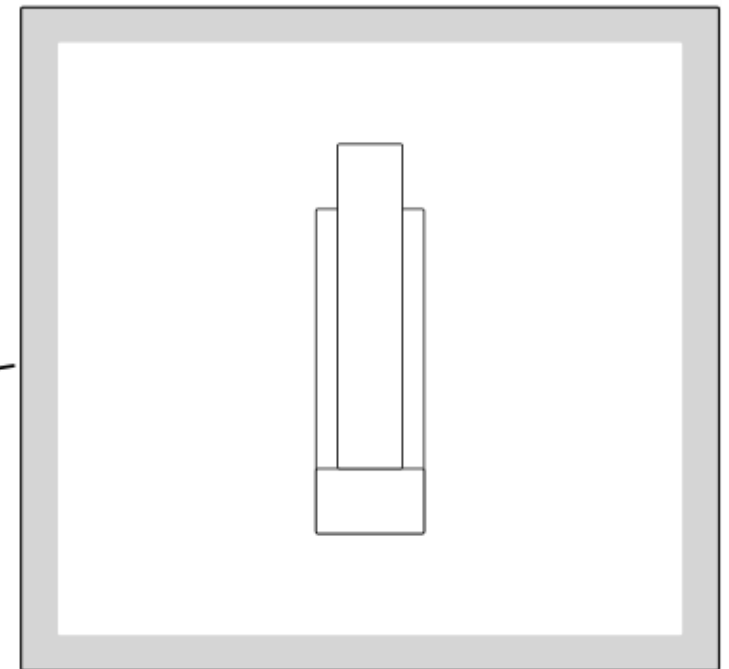
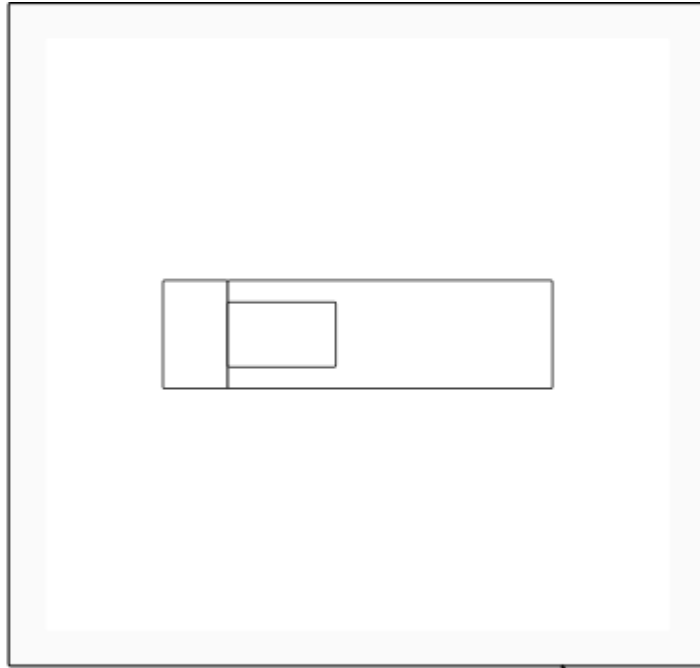


7

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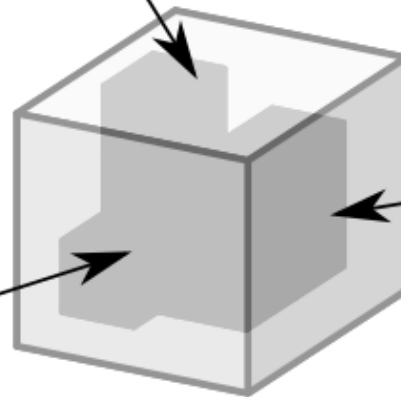
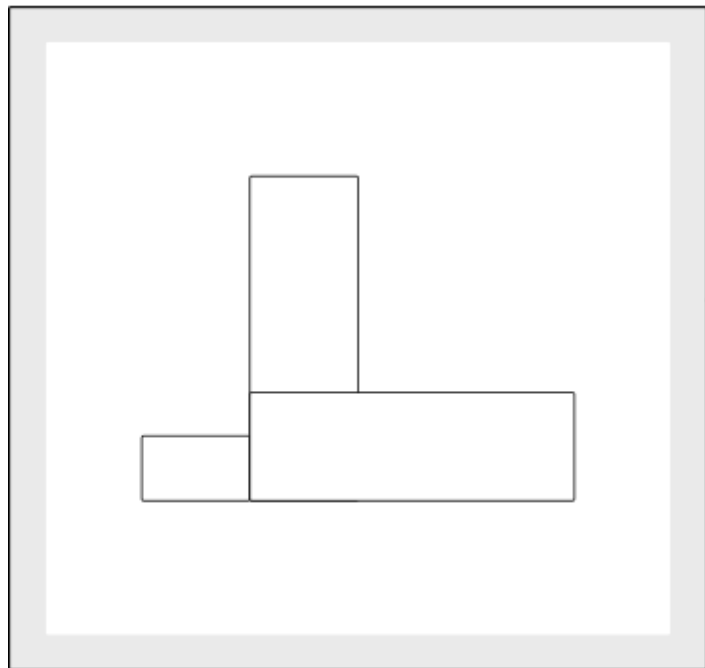
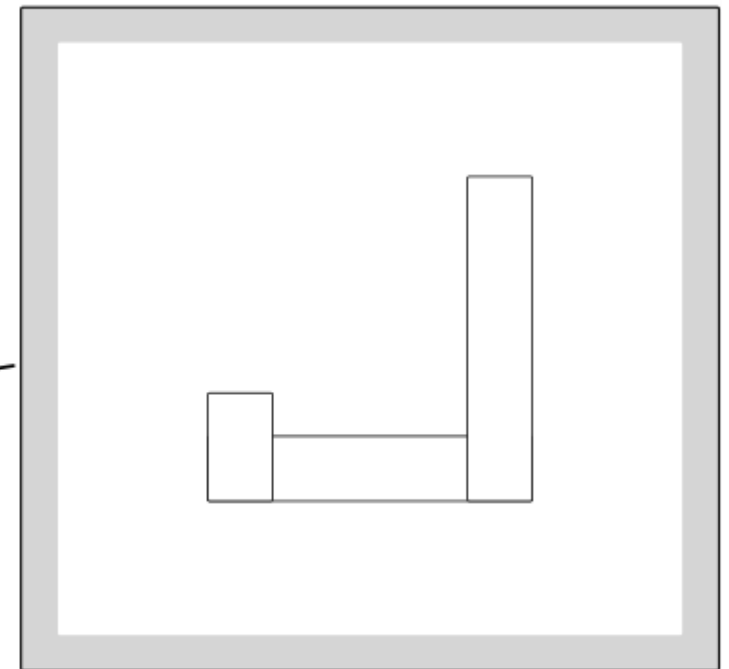
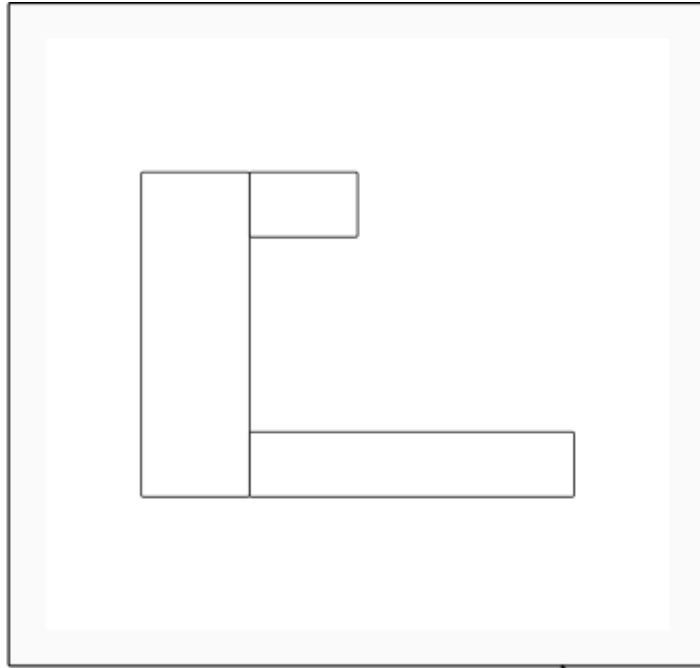


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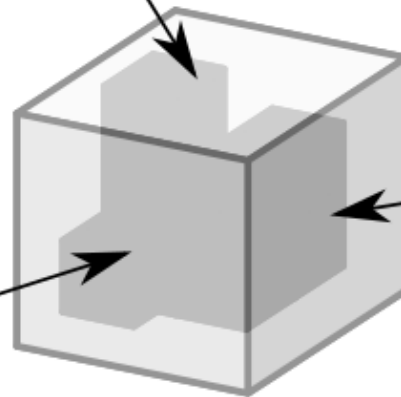
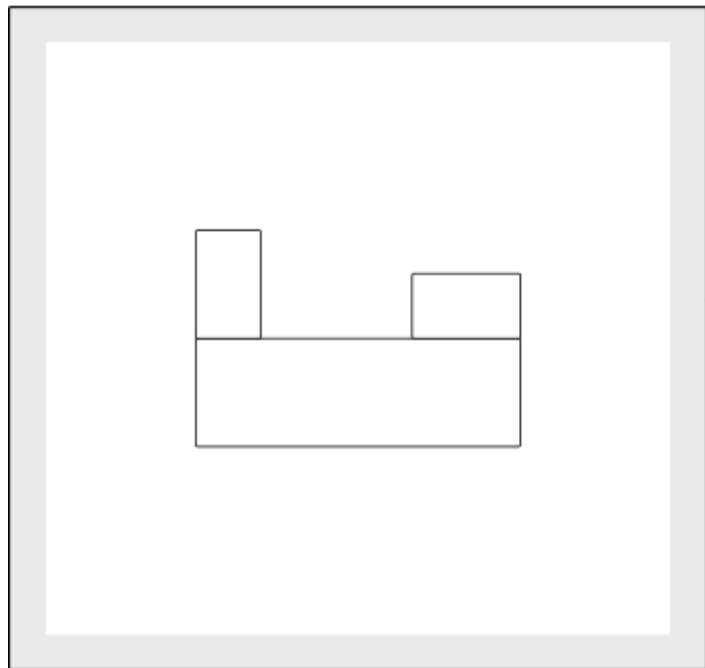
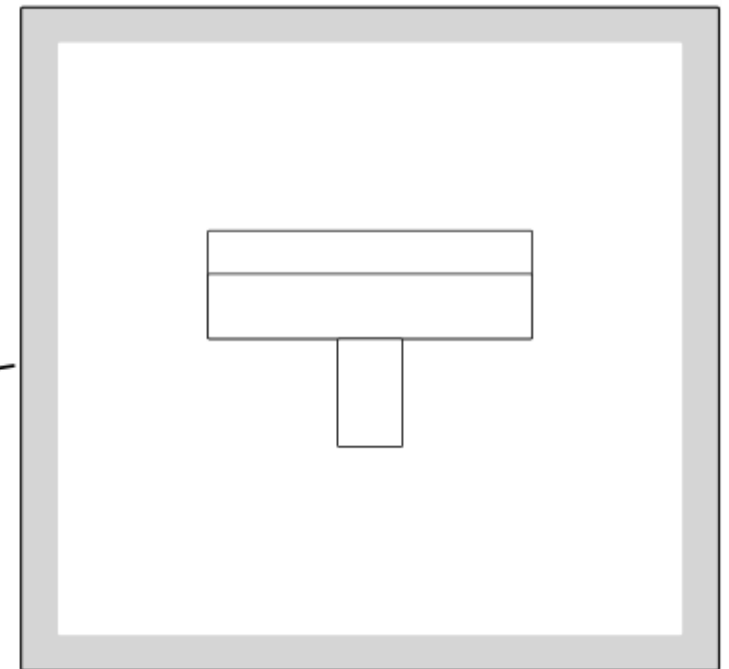
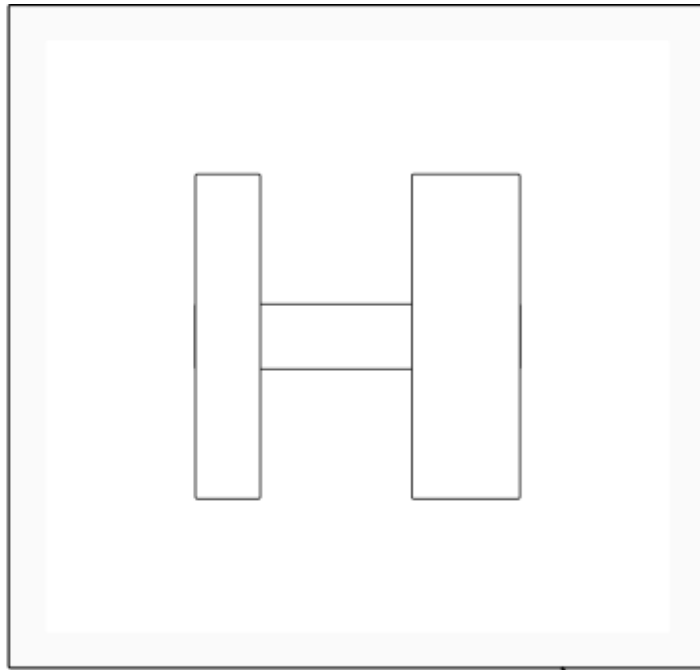


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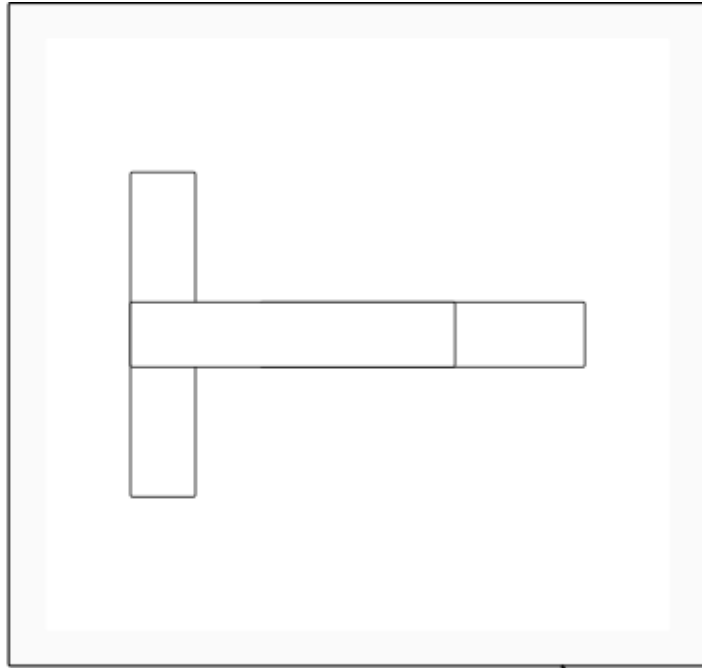
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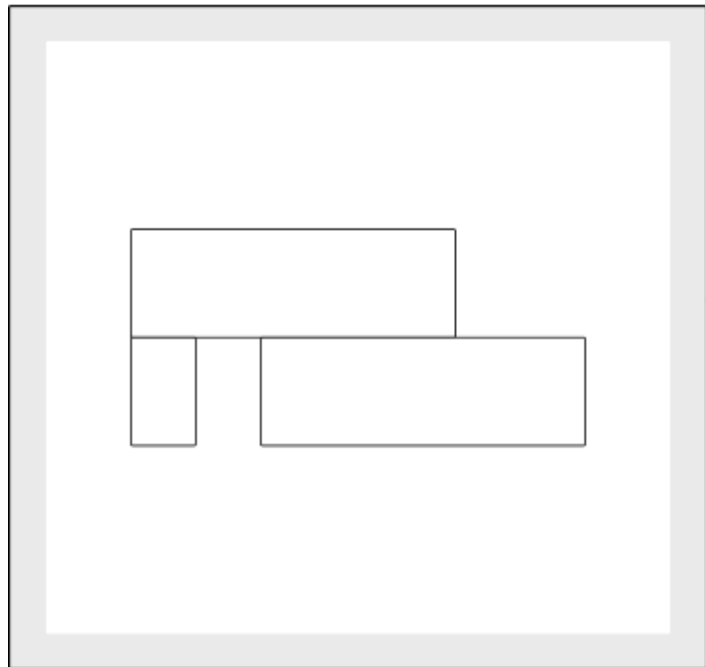
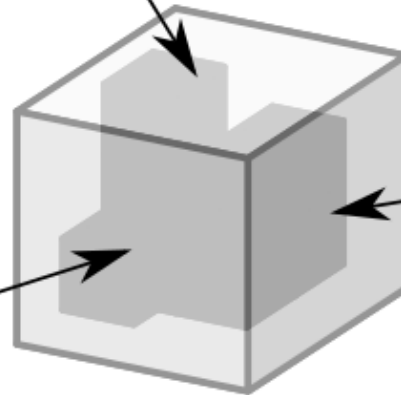
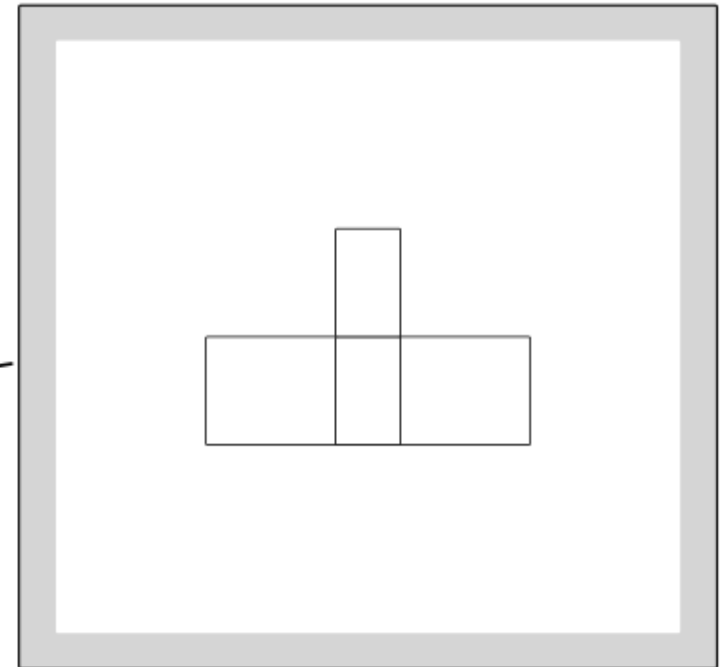
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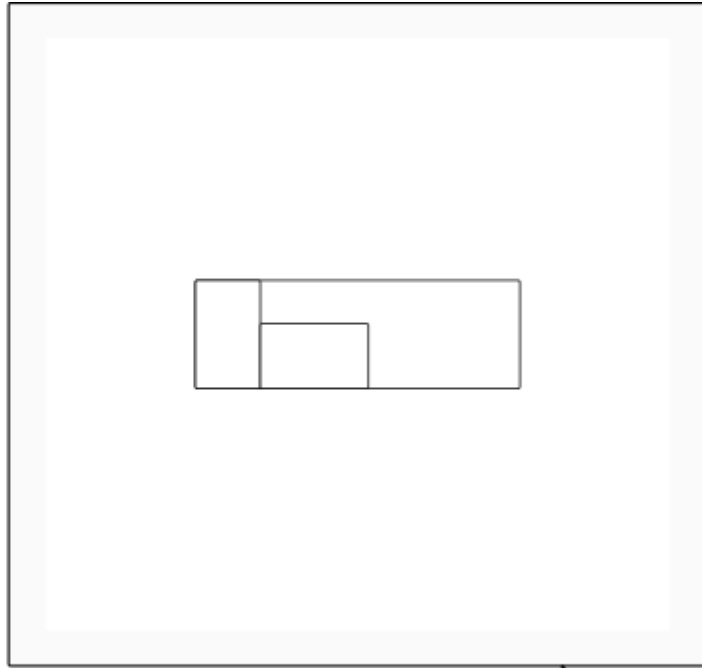
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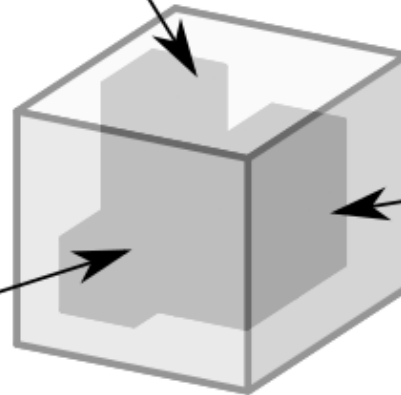
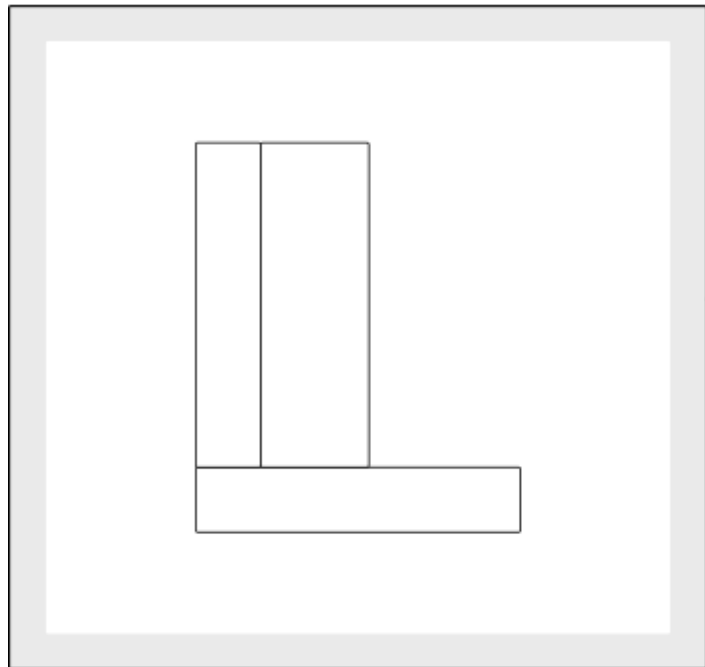
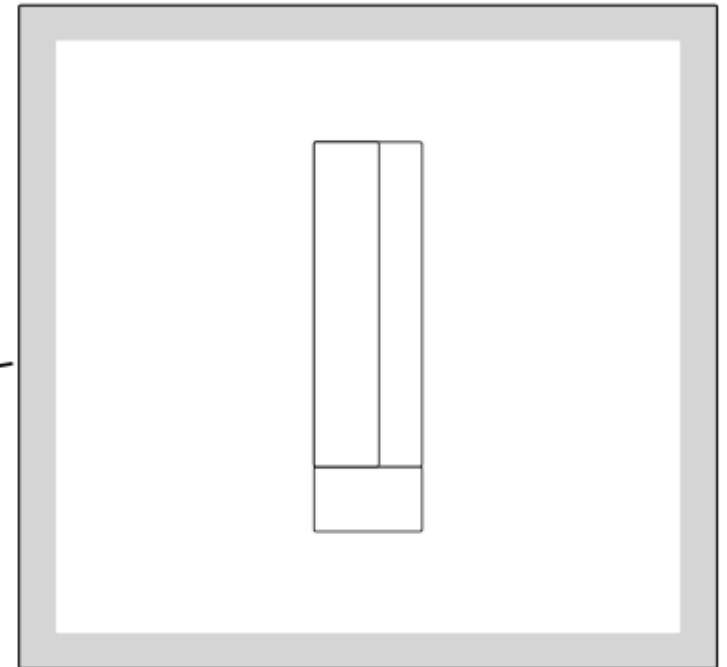
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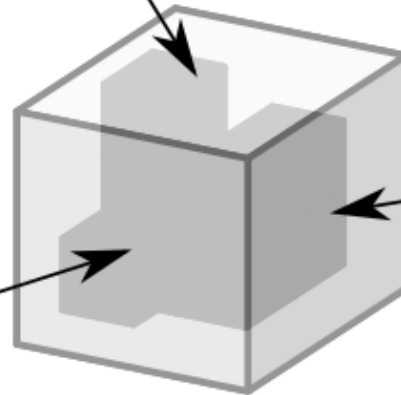
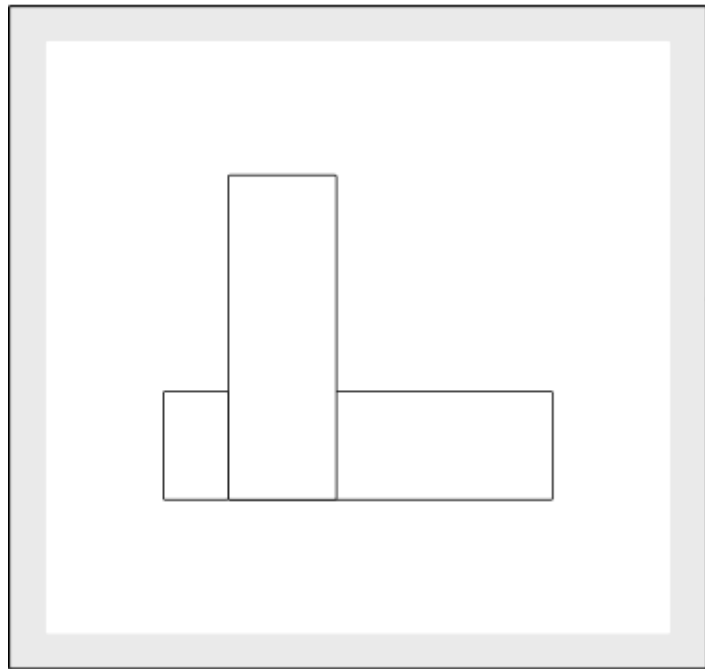
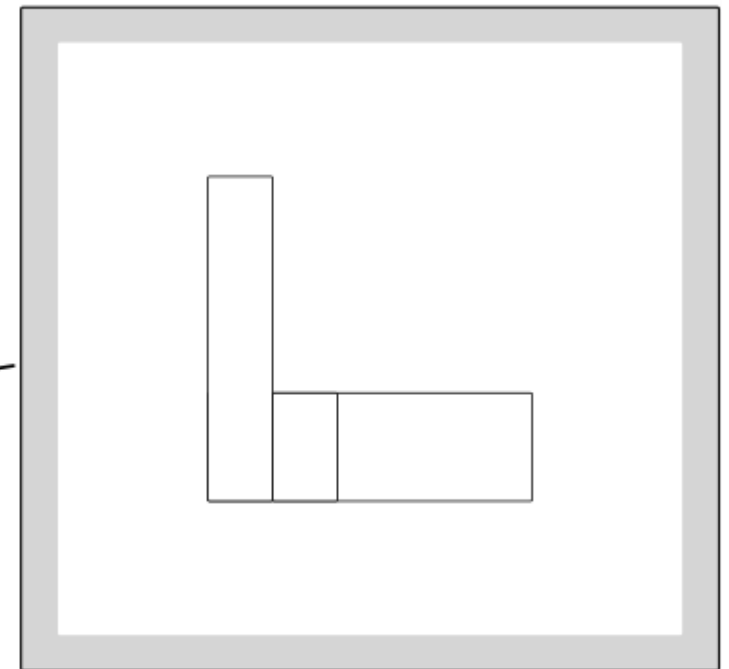
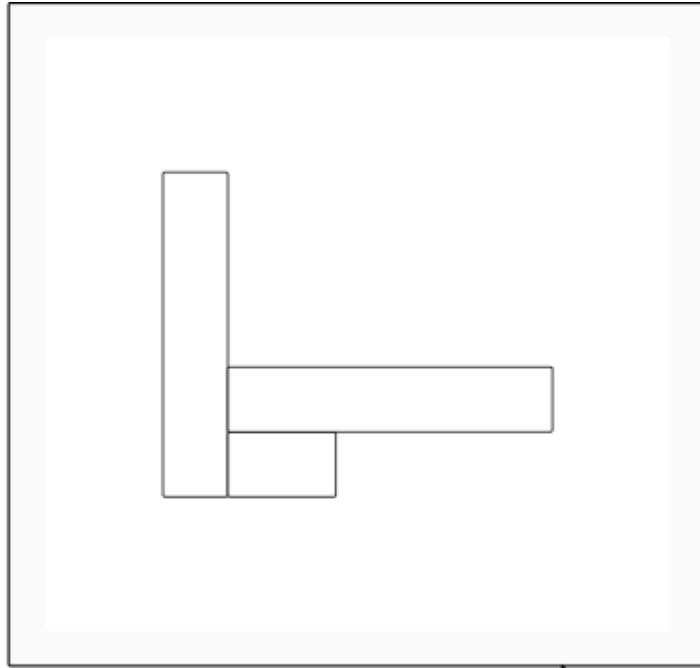


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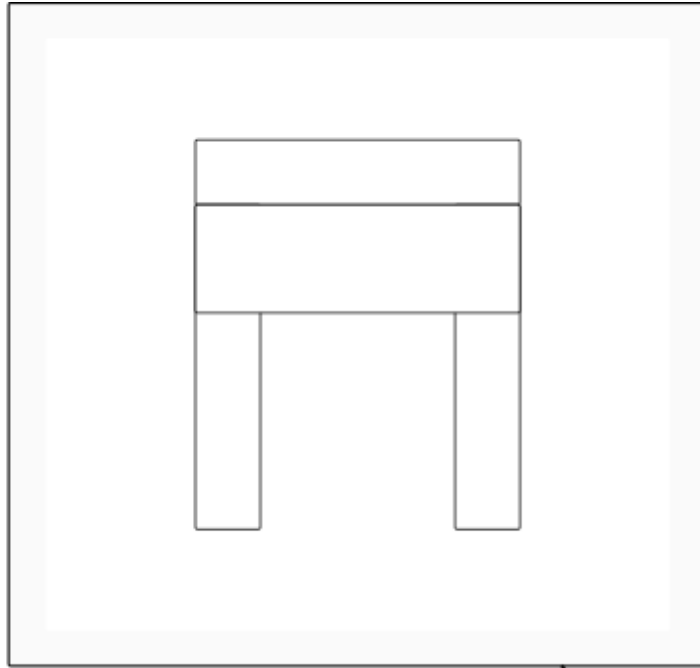
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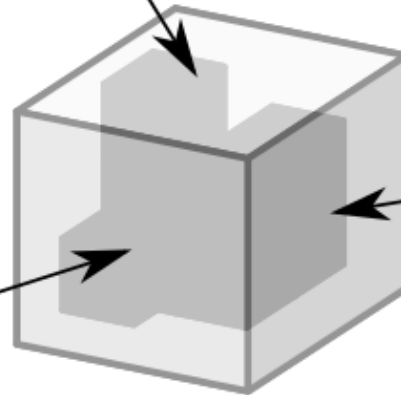
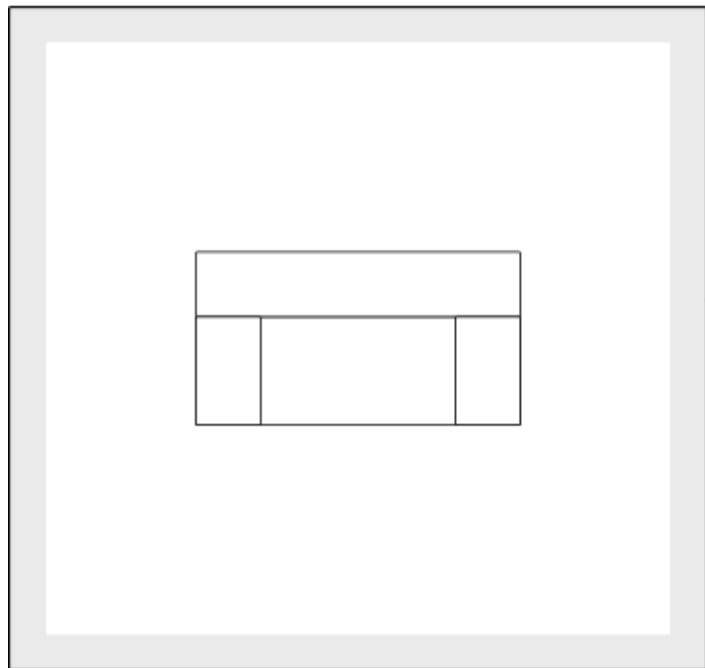
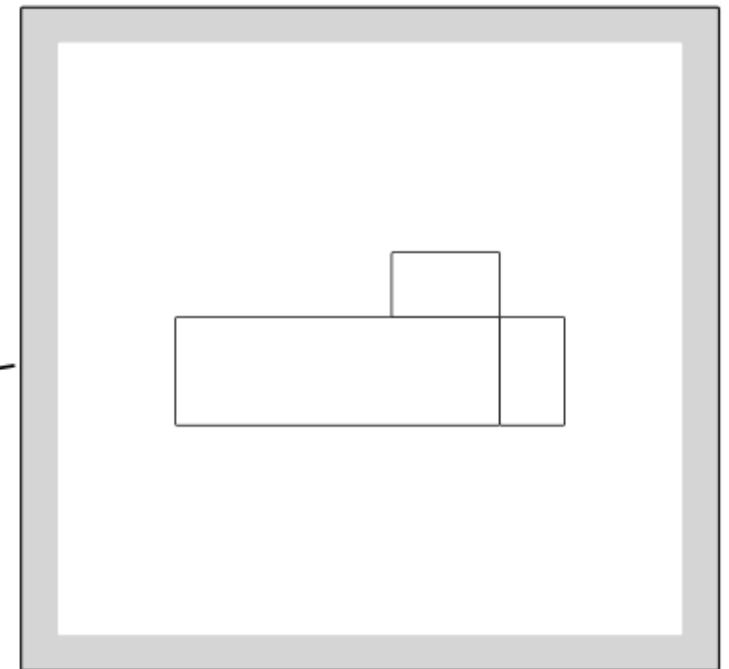
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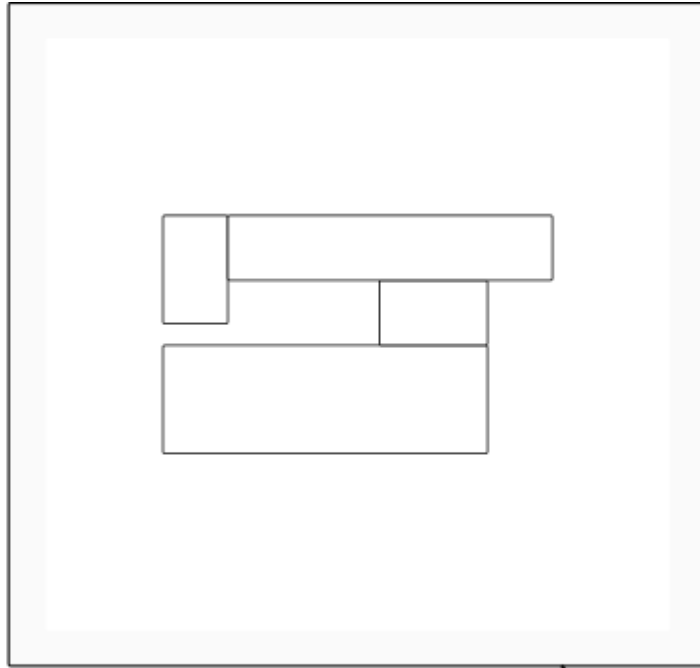
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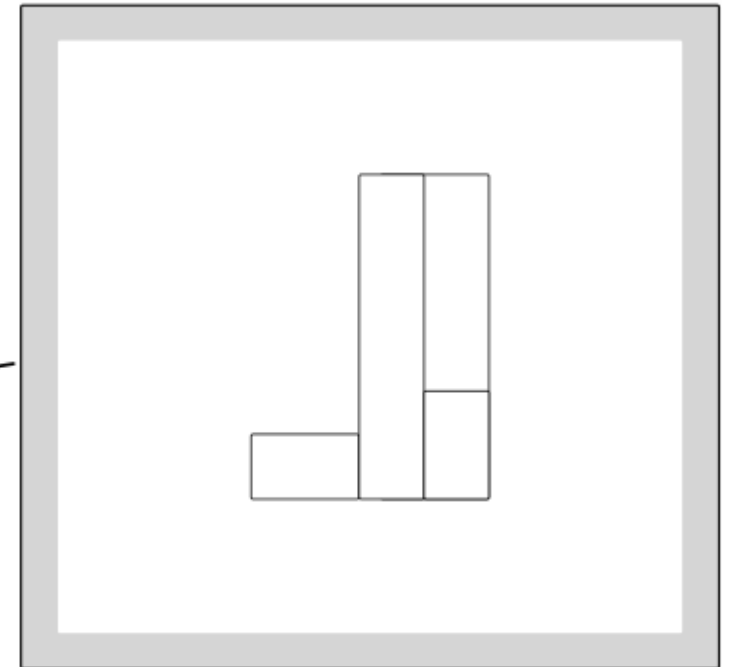
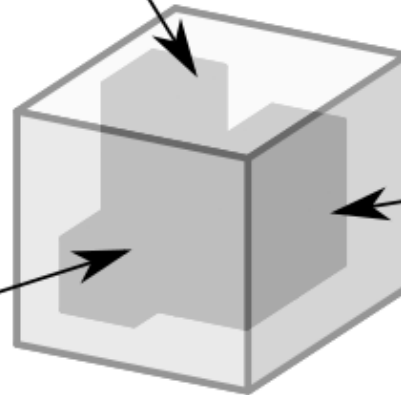
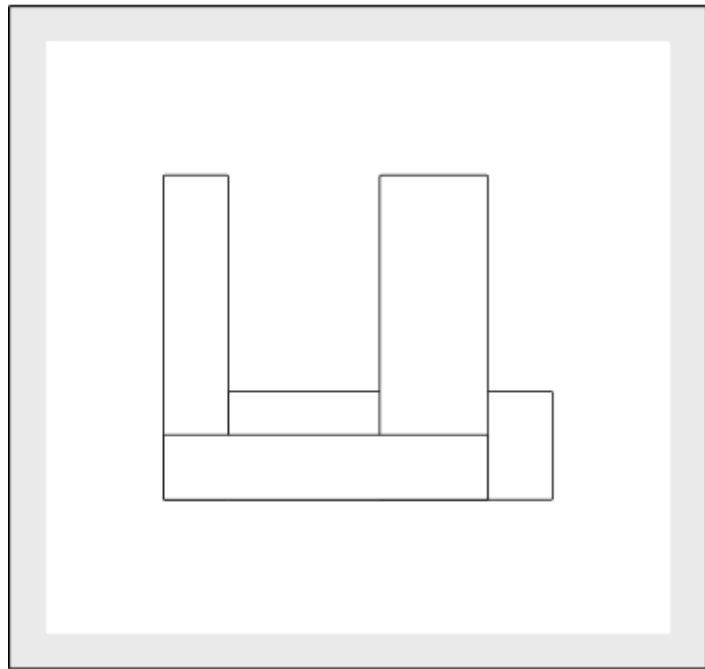
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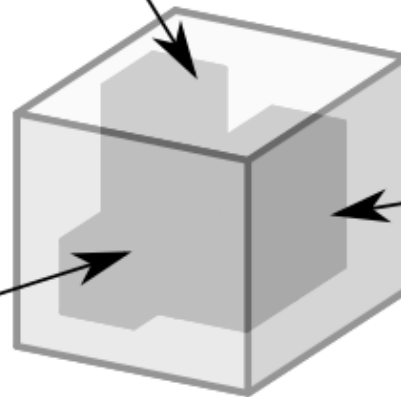
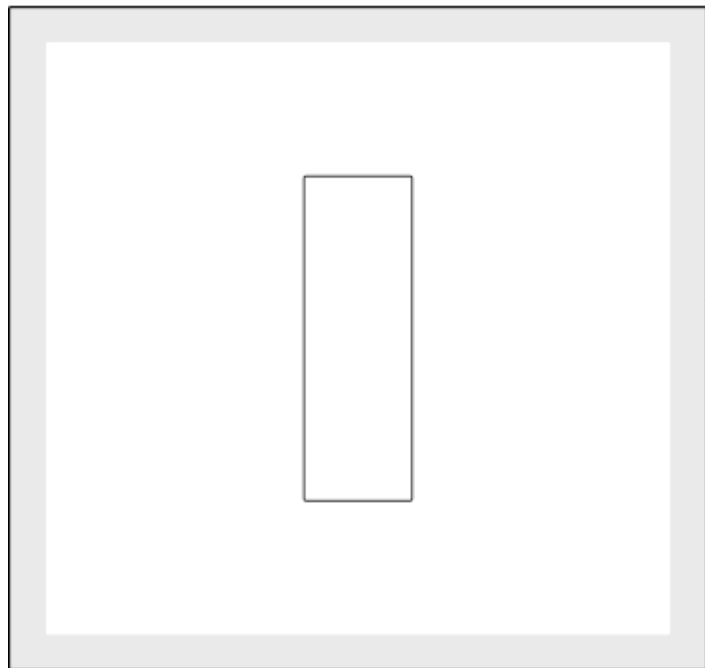
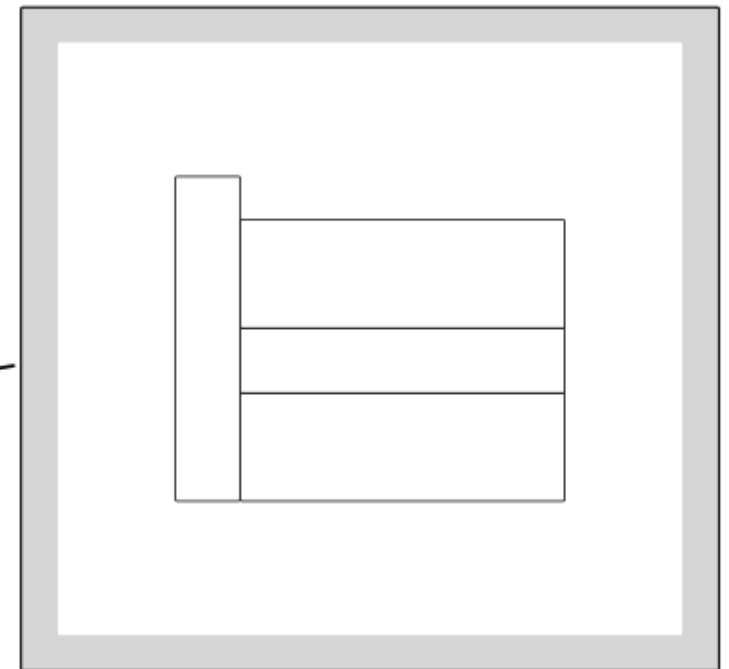
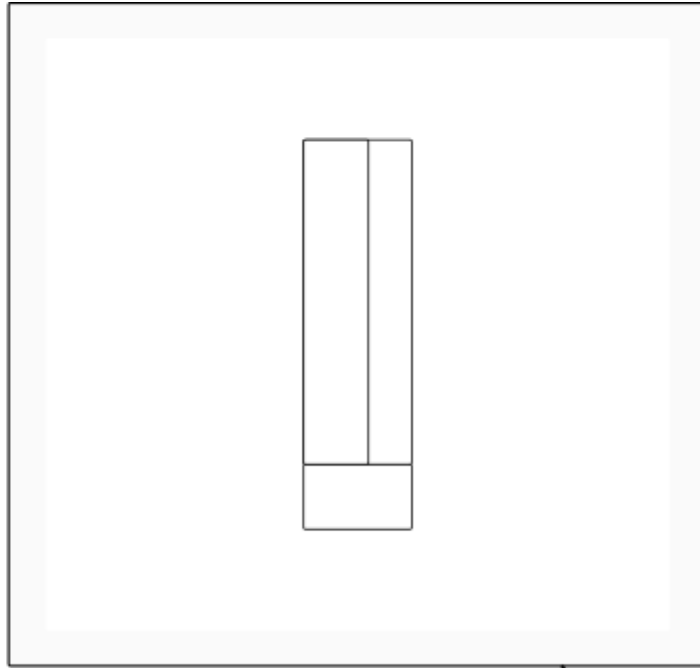


15

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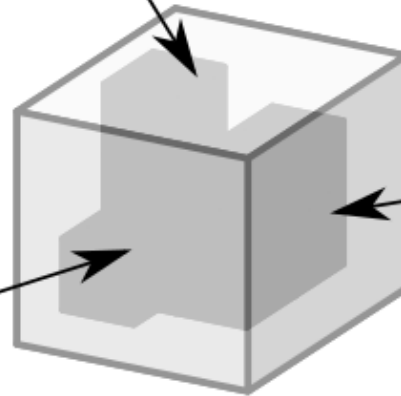
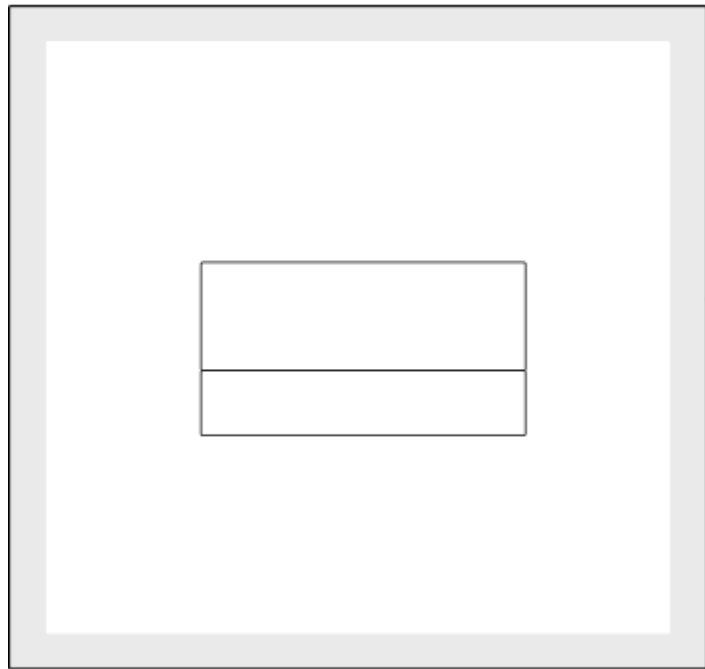
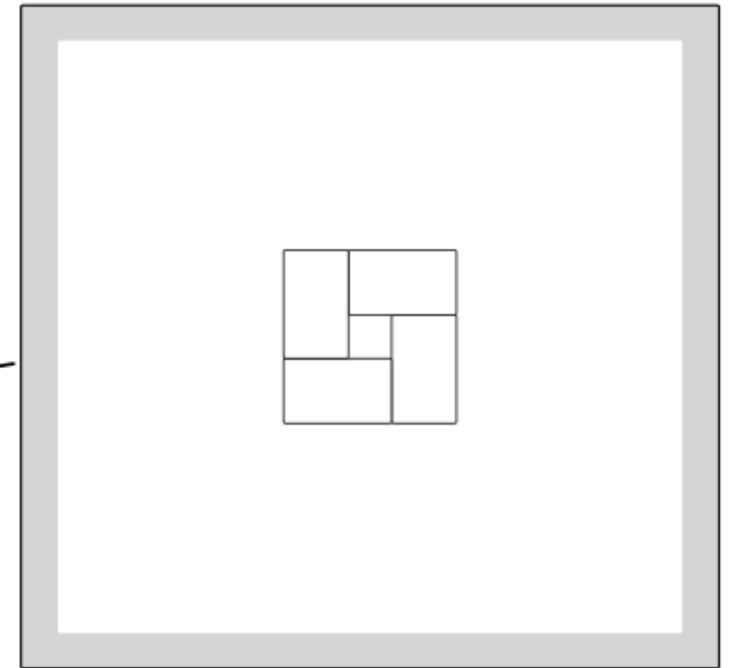
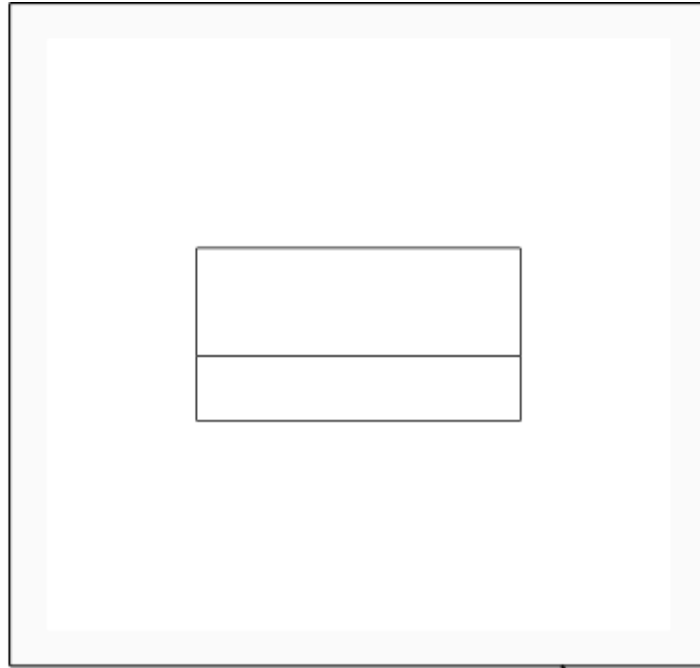


16

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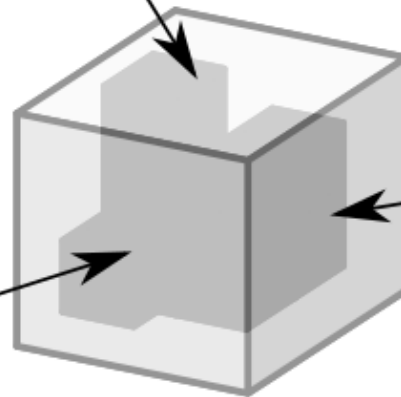
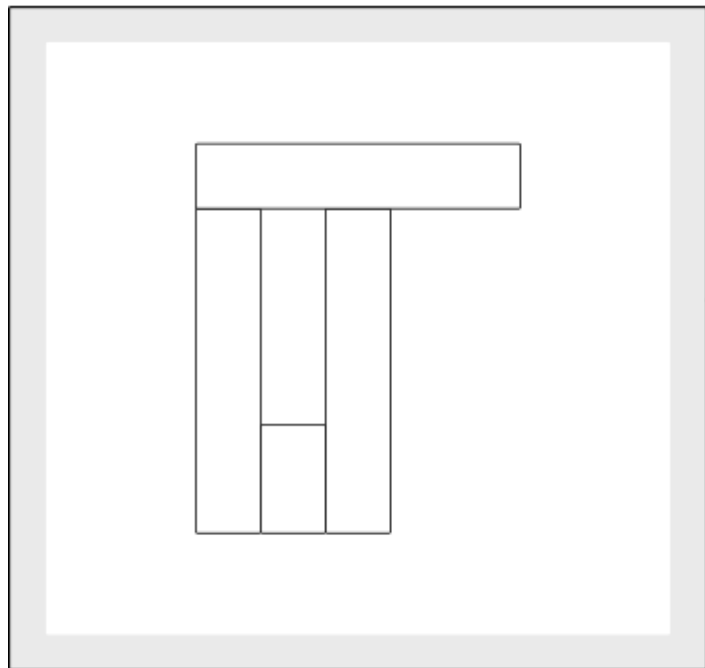
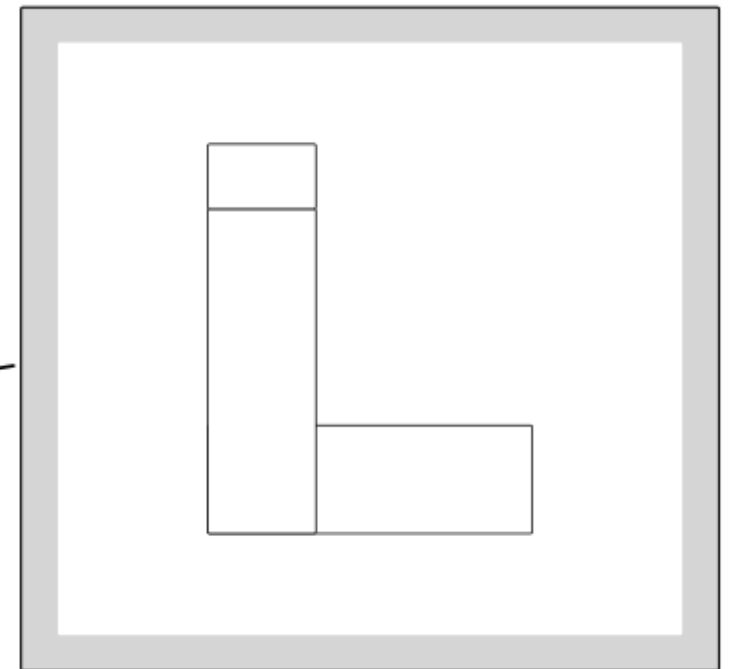
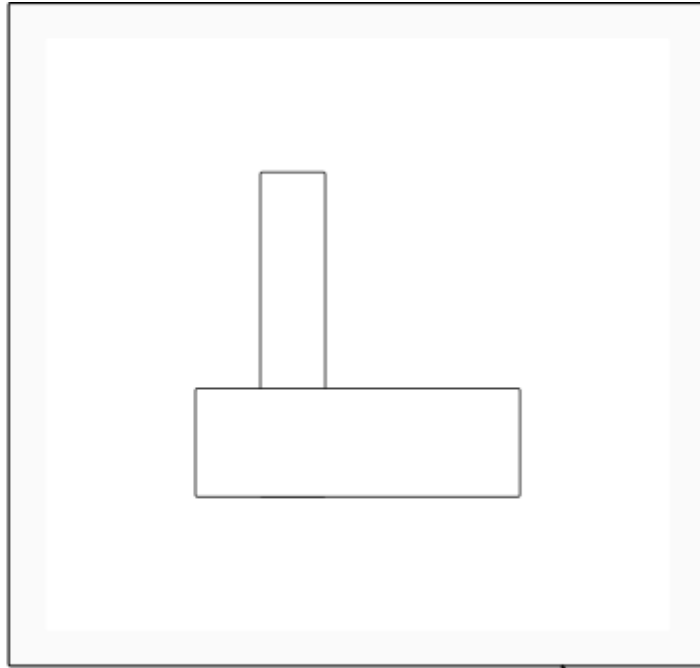


17

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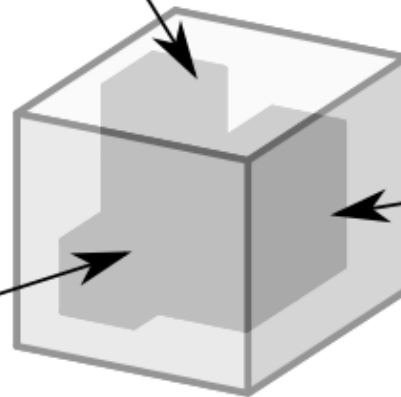
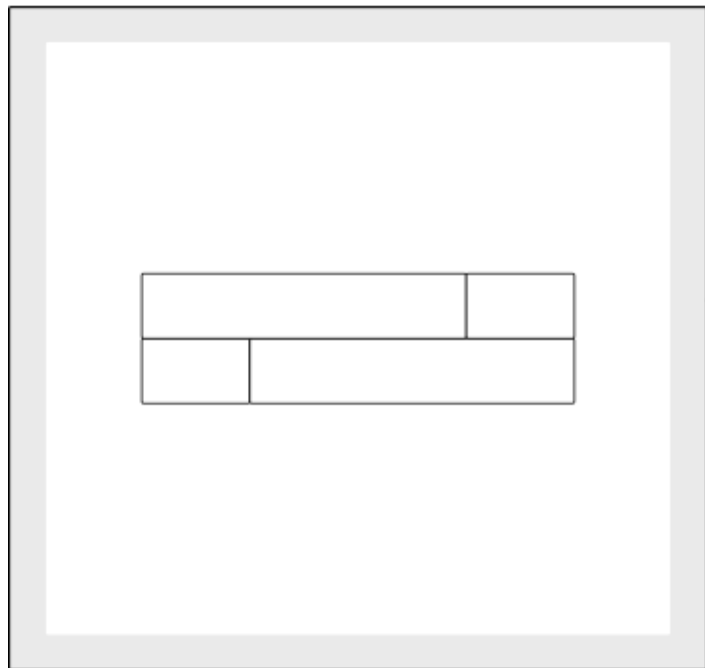
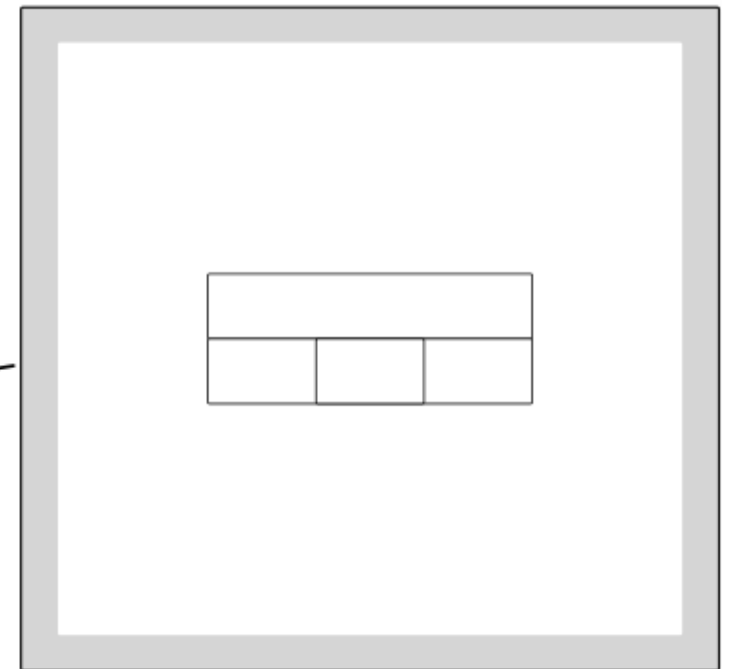
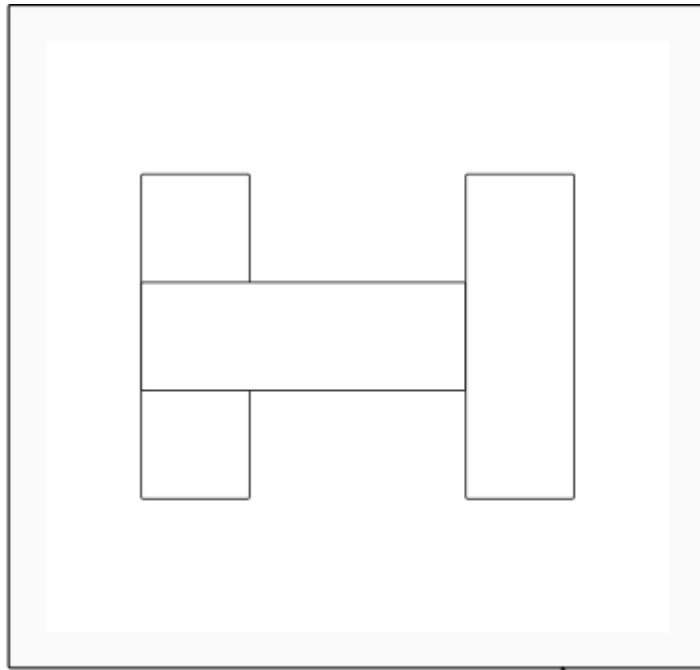


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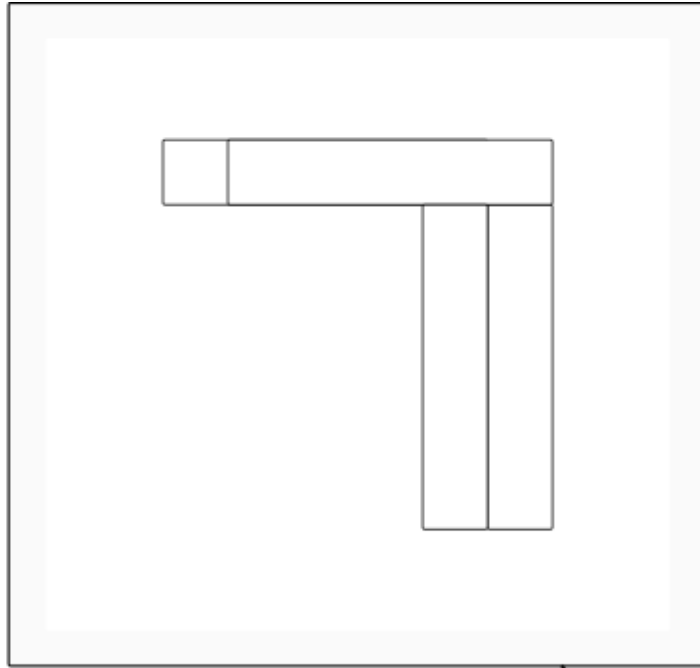
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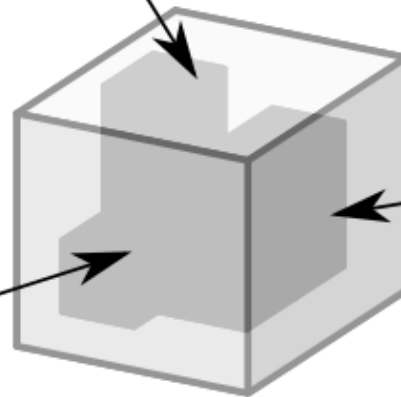
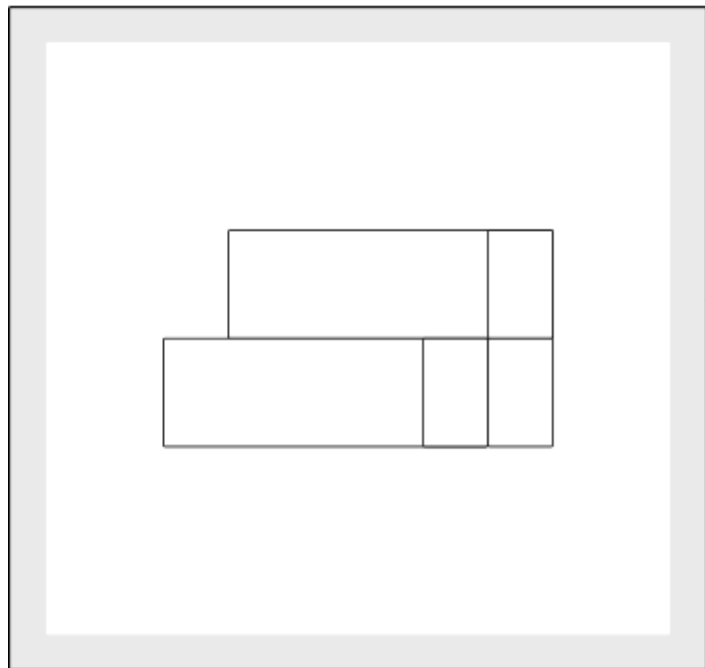
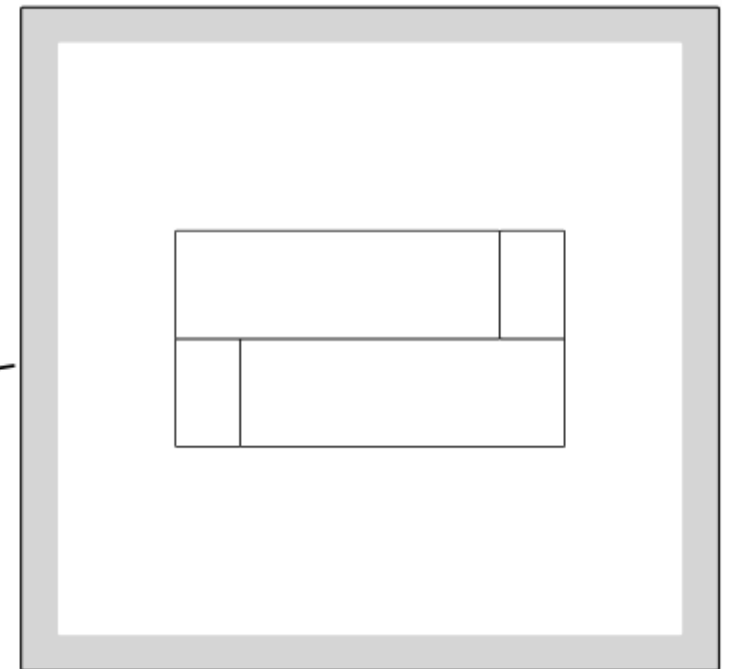
19



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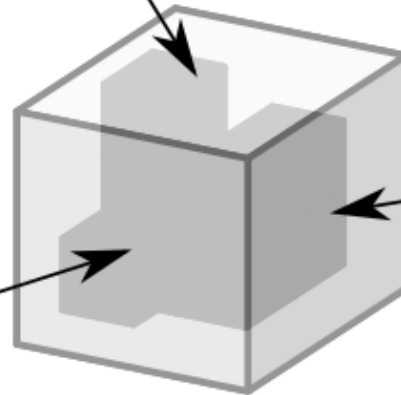
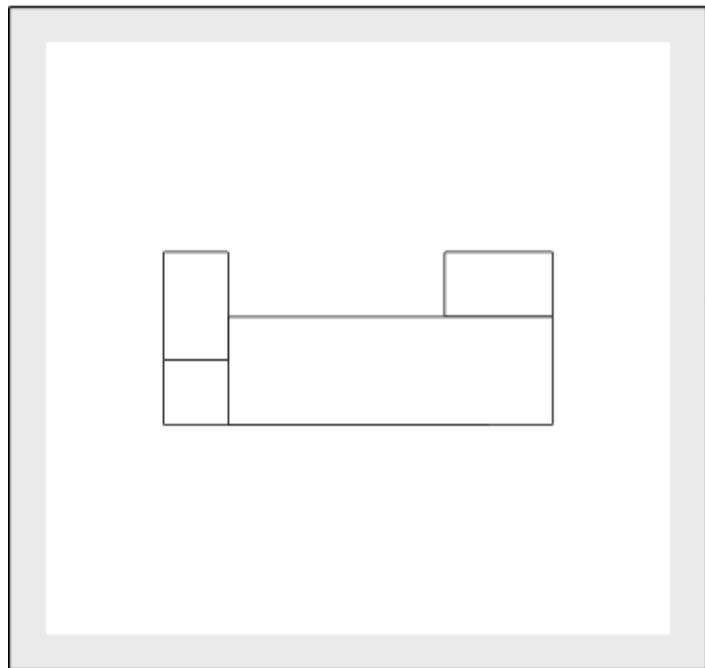
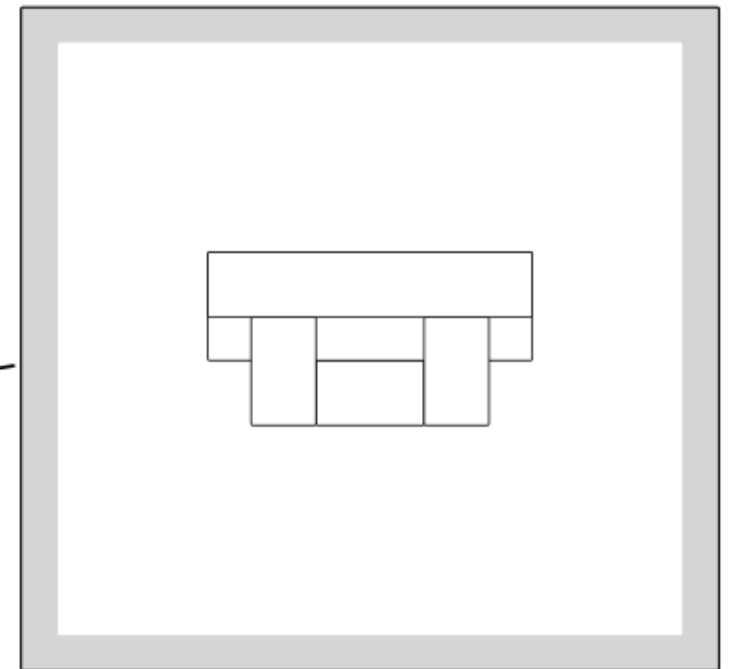
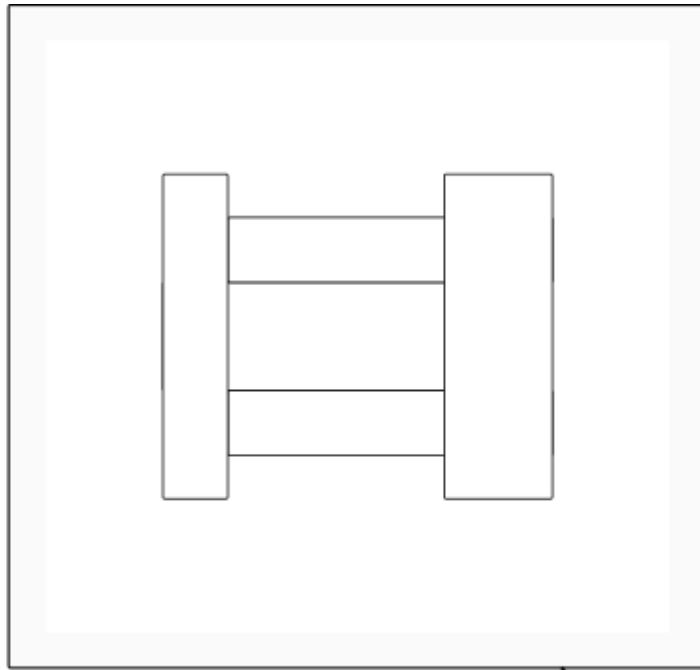


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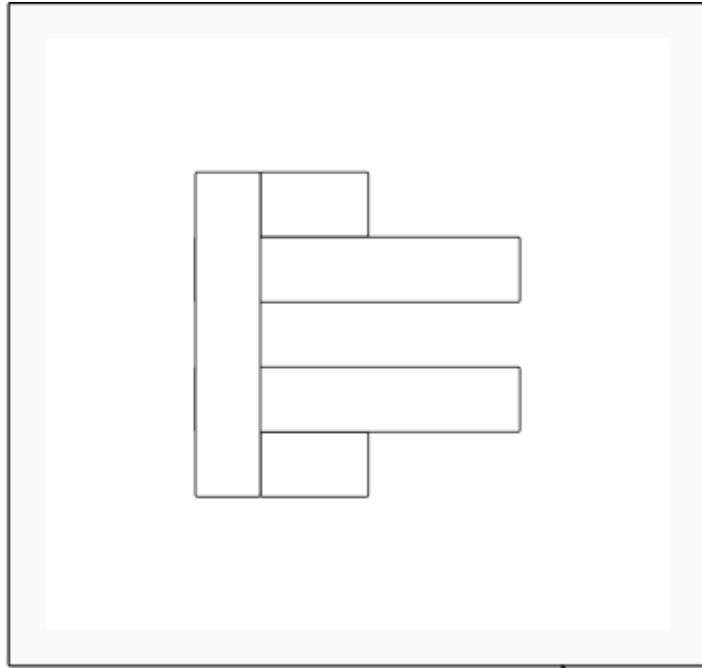
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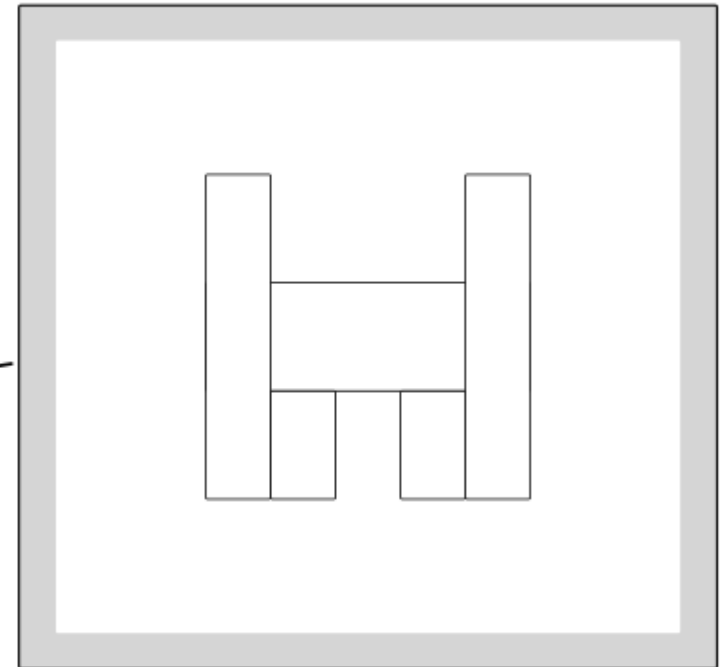
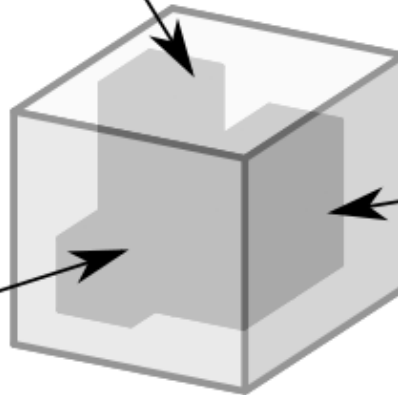
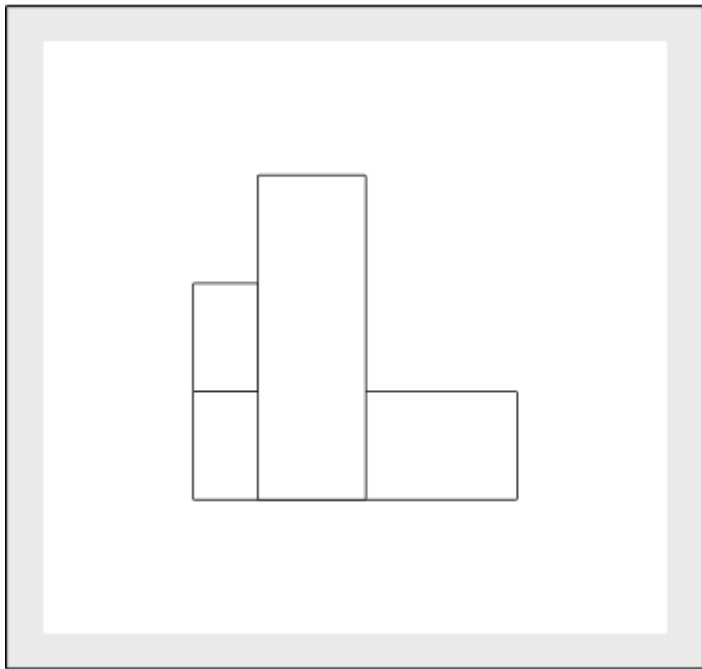
21



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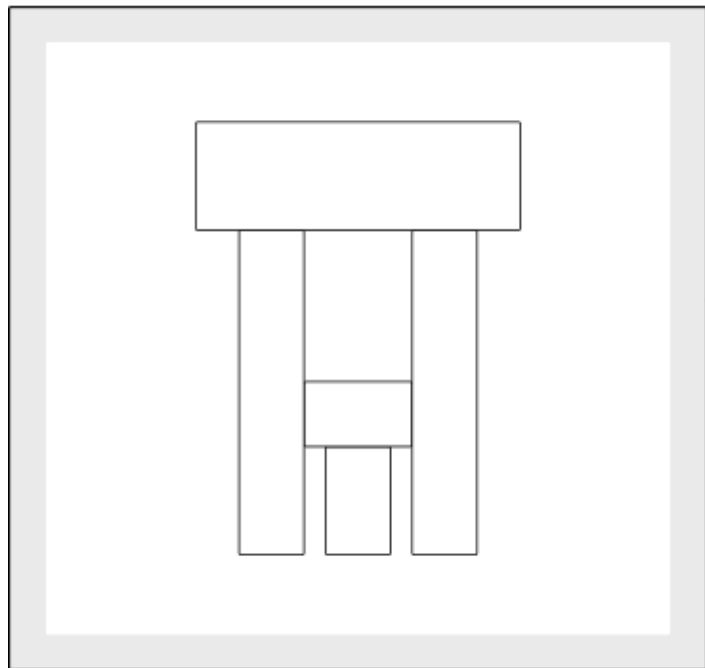
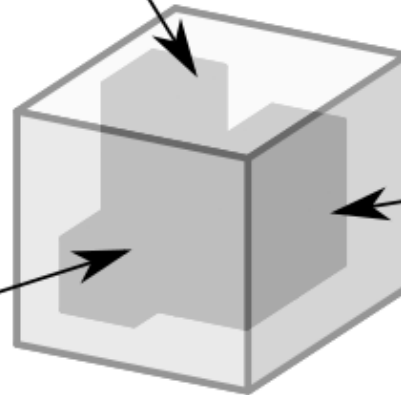
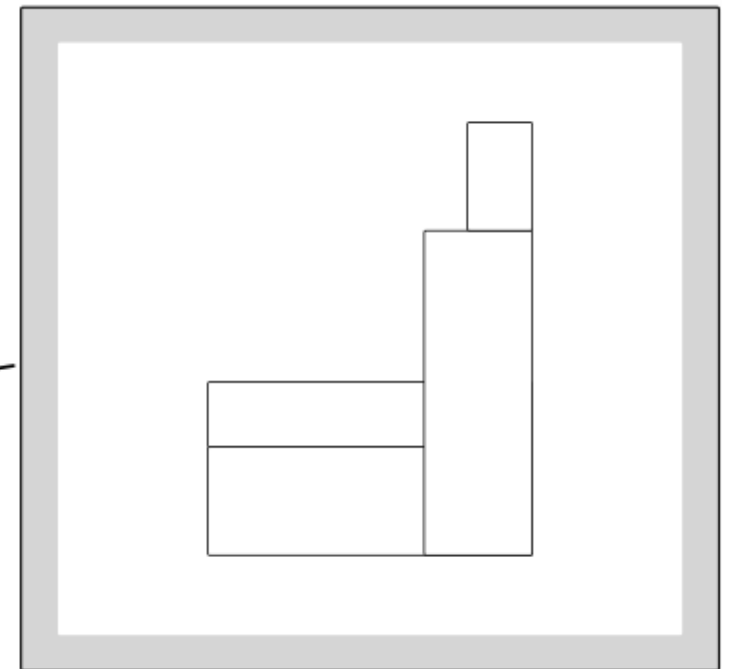
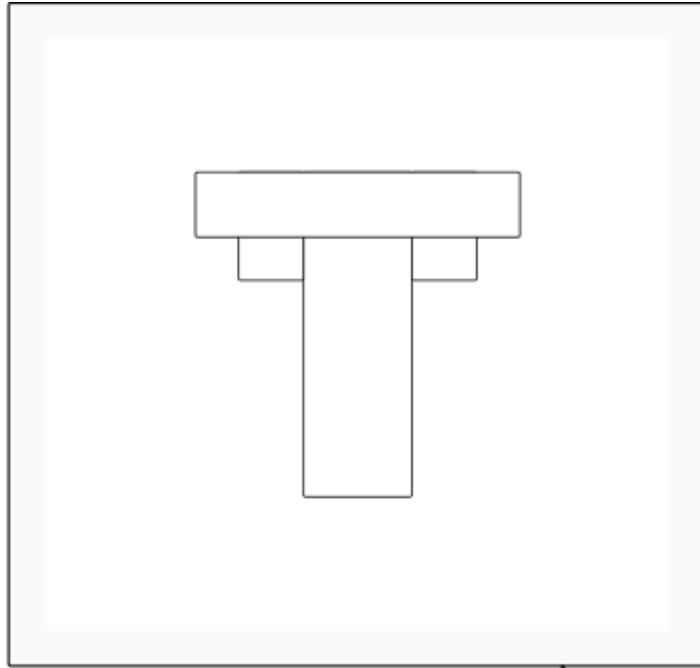


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Build a structure with Jenga blocks that has these three views.

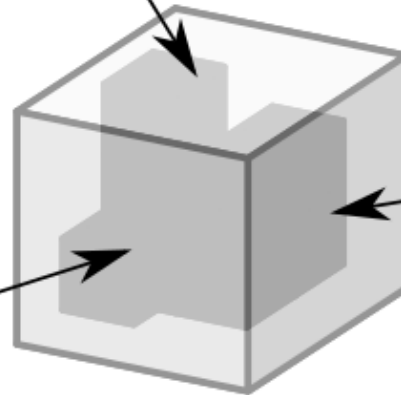
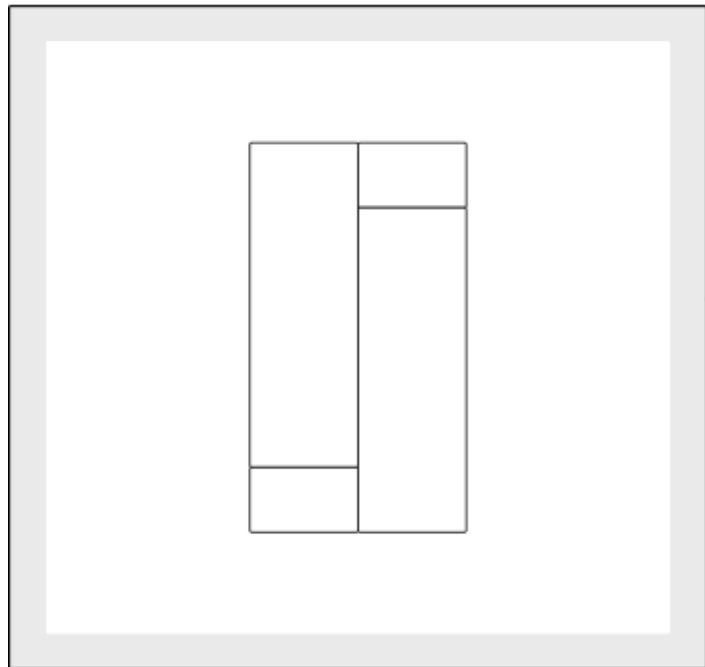
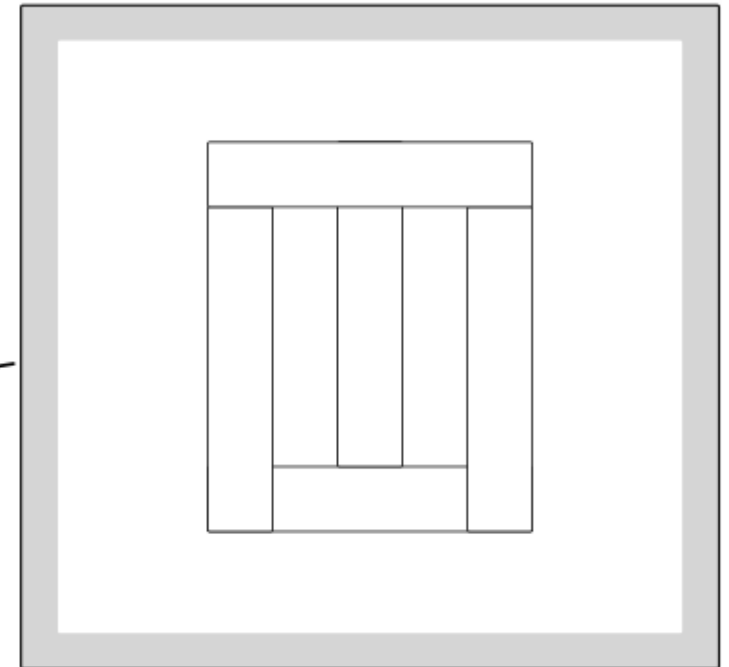
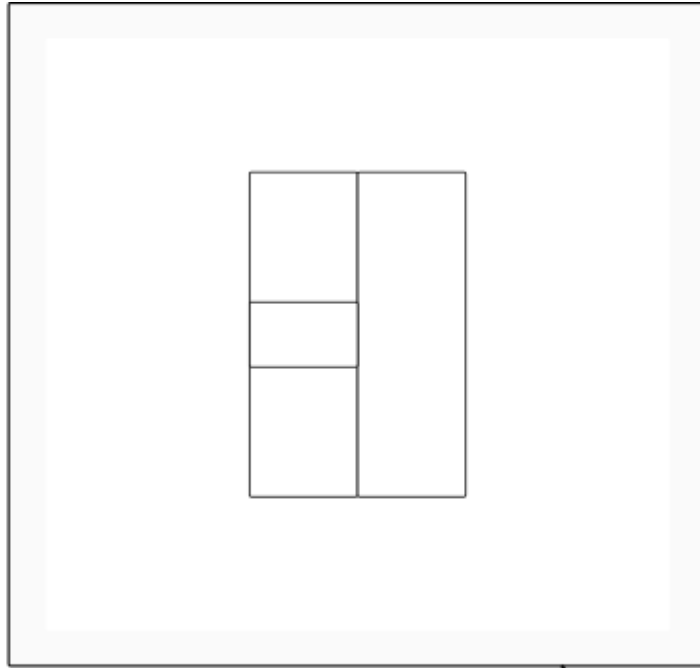


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Jenga Views

By David K Butler

Build a structure with Jenga blocks that has these three views.

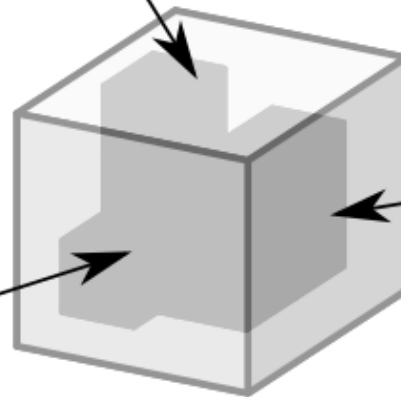
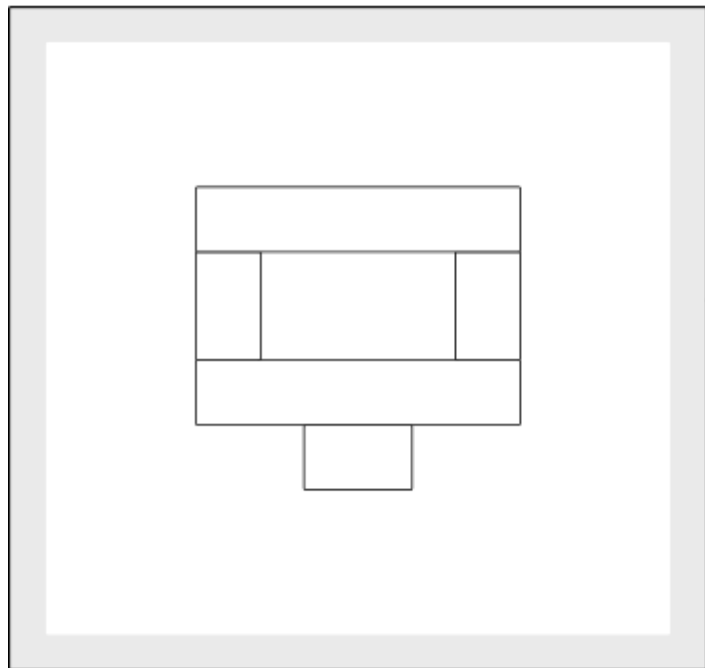
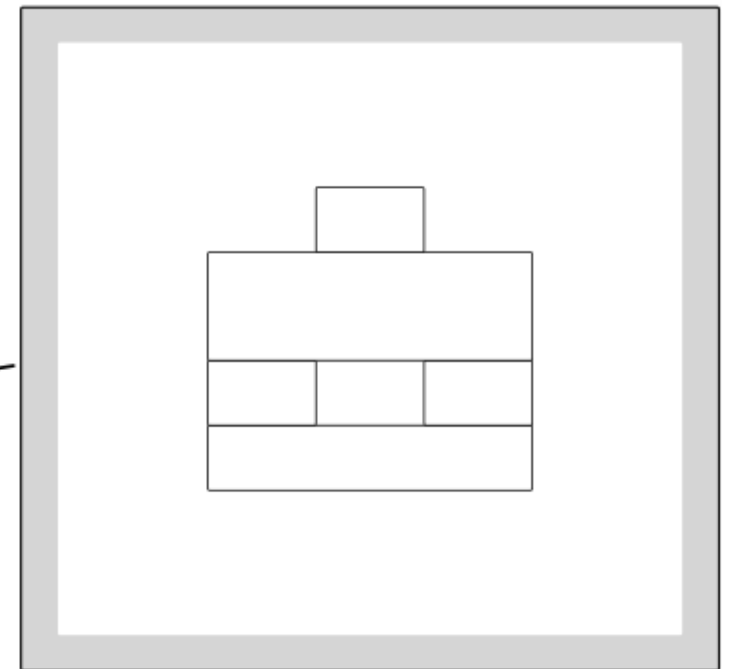
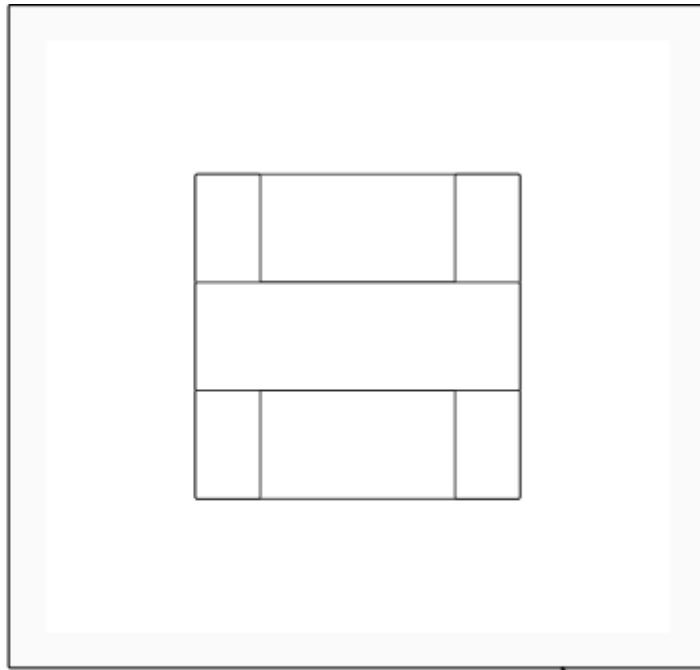


24

Jenga Views

By David K Butler

Build a structure with Jenga blocks that has these three views.

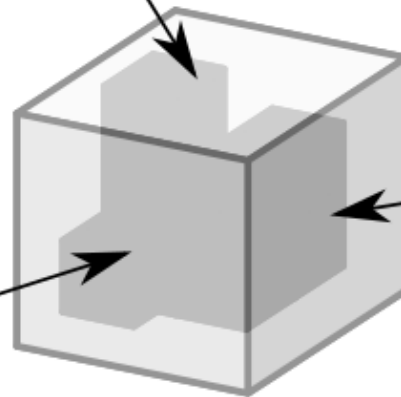
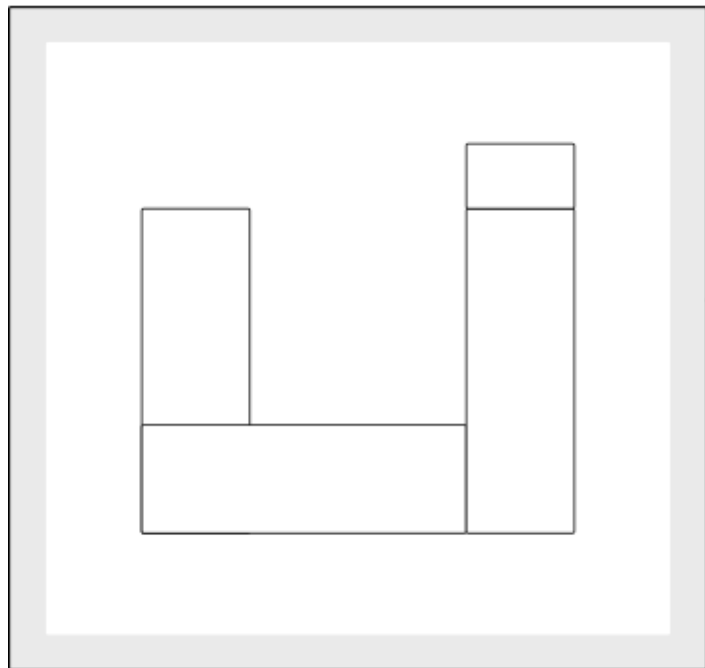
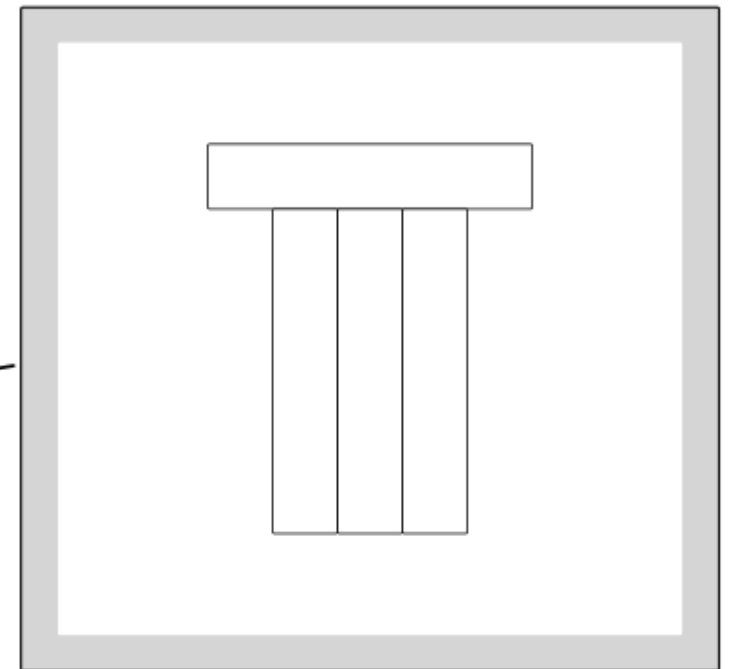
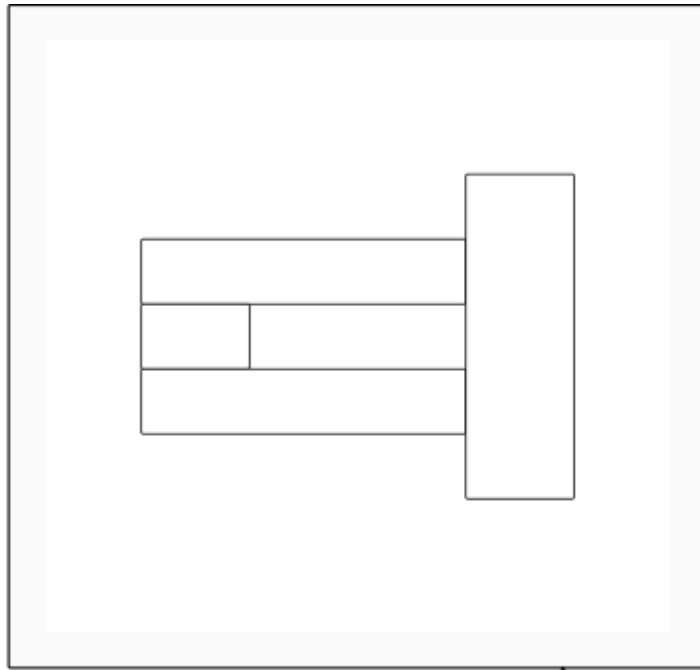


25

Jenga Views

By David K Butler

Build a structure with Jenga blocks that has these three views.

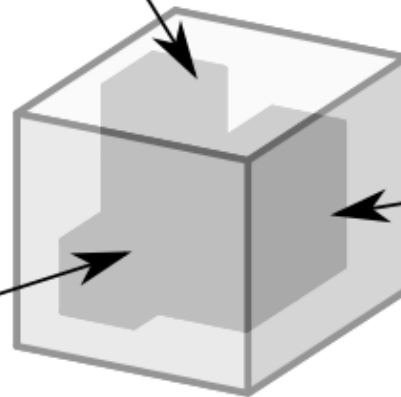
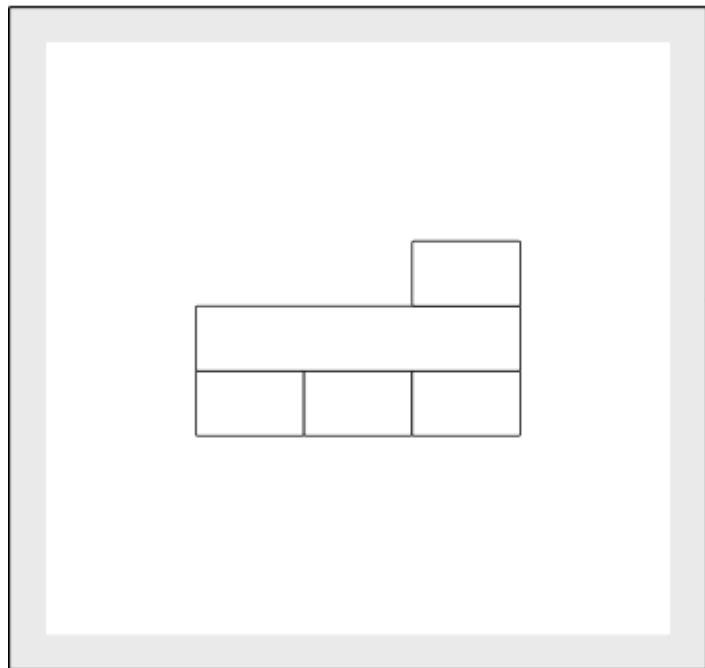
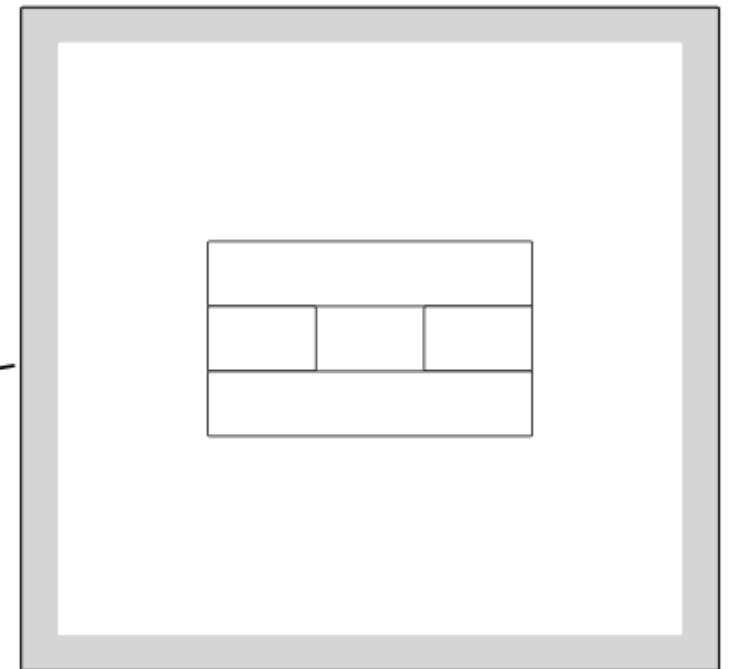
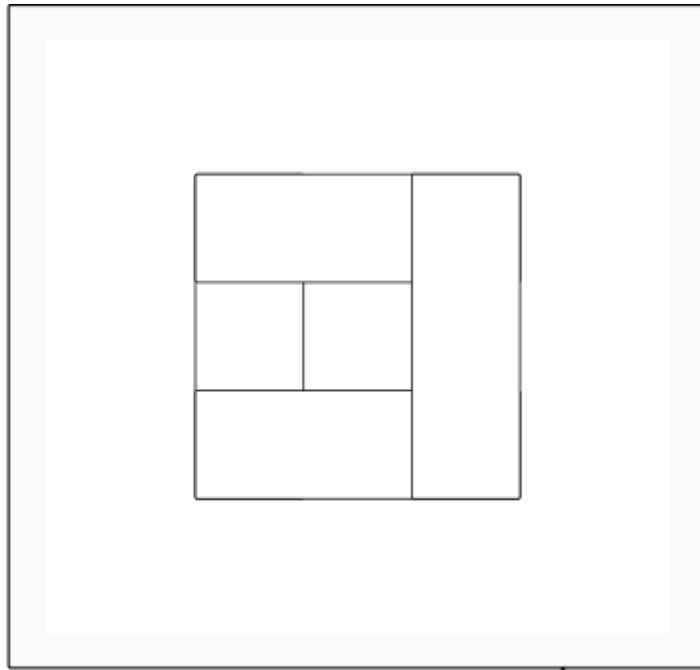


26

Jenga Views

By David K Butler

Build a structure with Jenga blocks that has these three views.

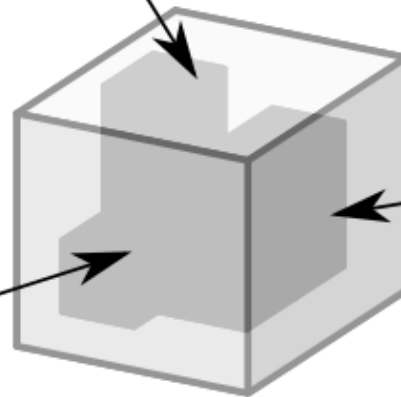
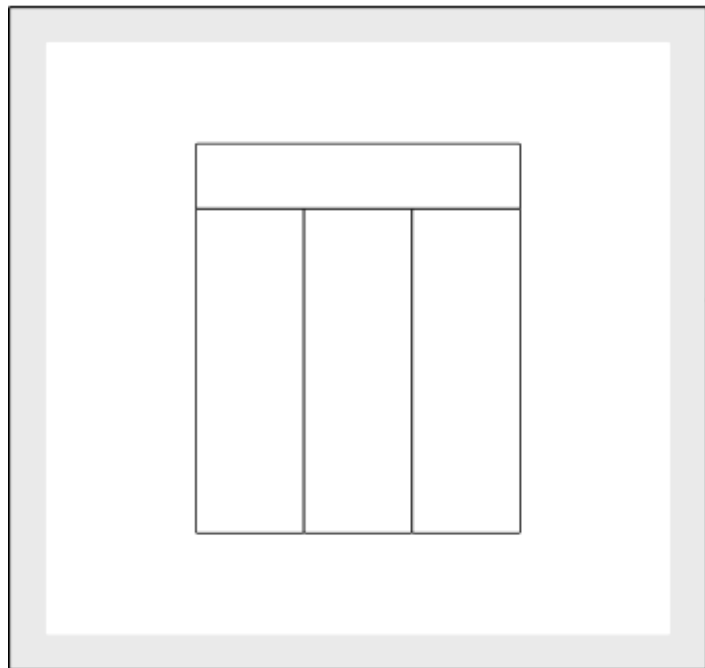
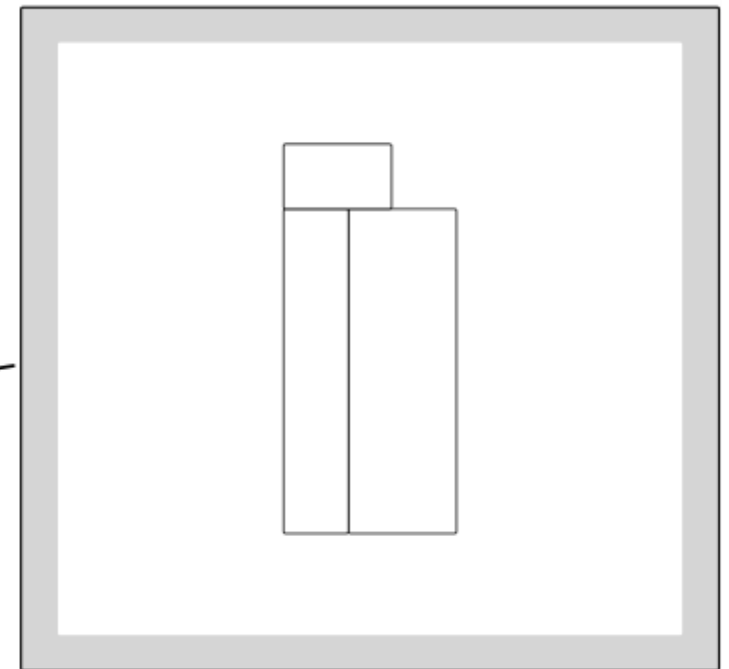
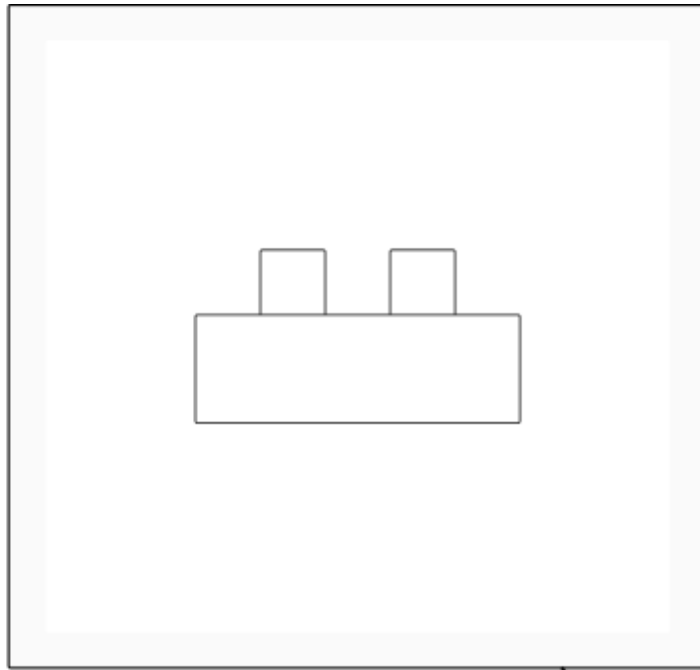


27

Jenga Views

By David K Butler

Build a structure with Jenga blocks that has these three views.

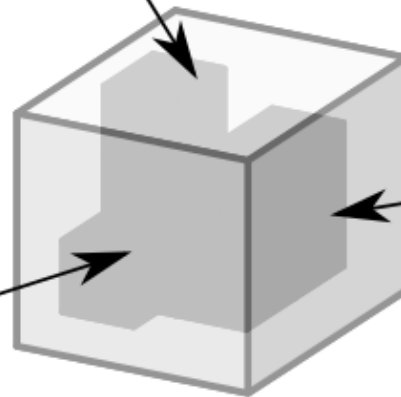
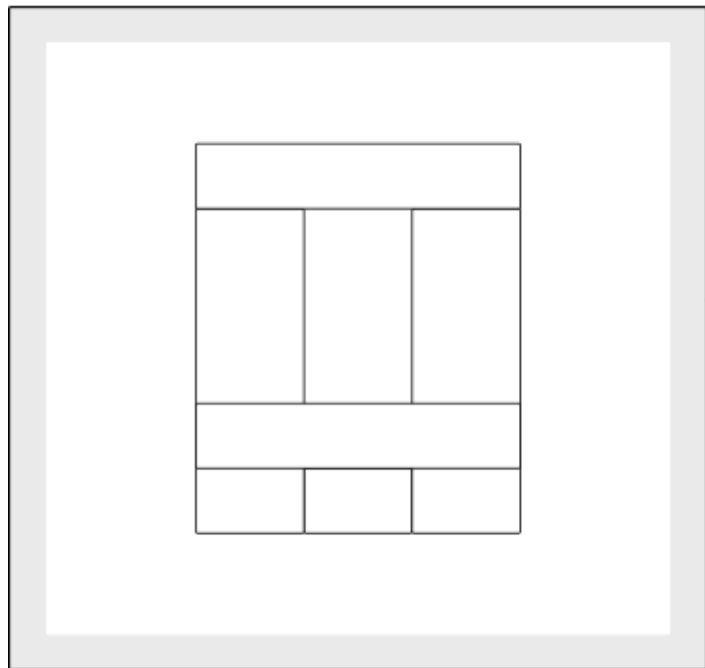
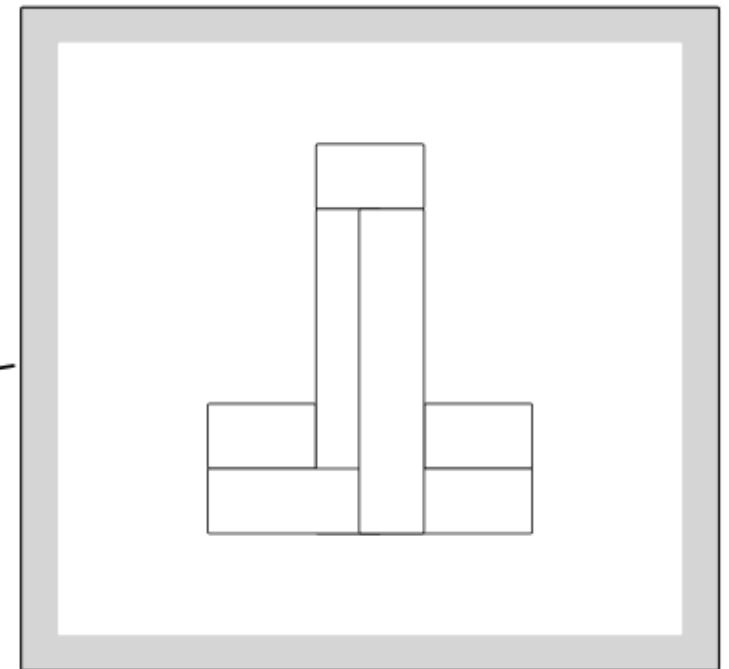
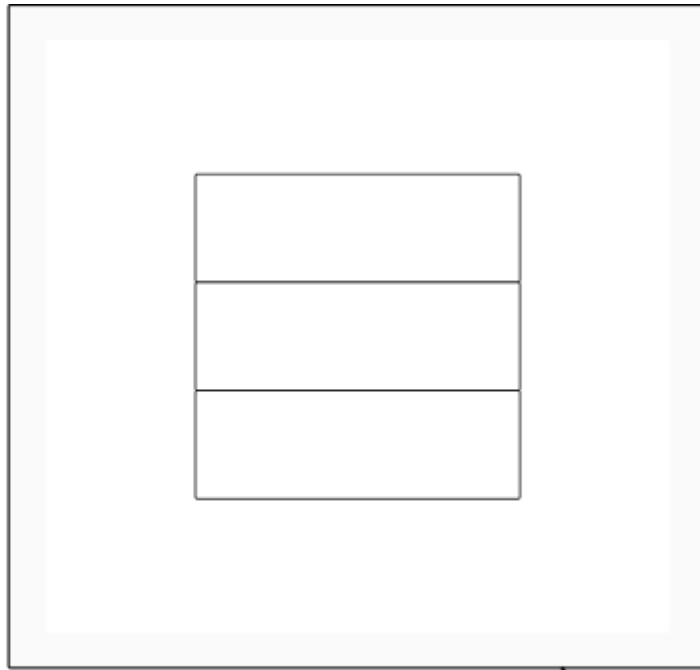


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Jenga Views

By David K Butler

Build a structure with Jenga blocks that has these three views.

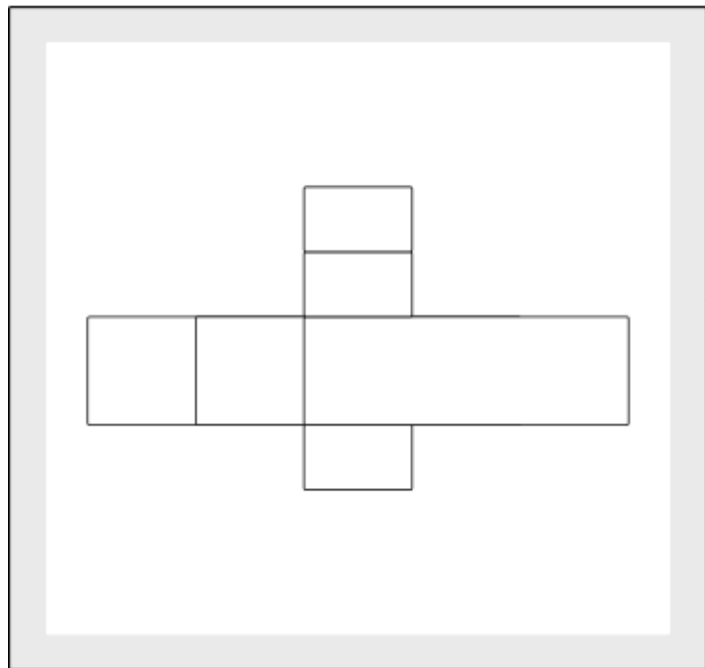
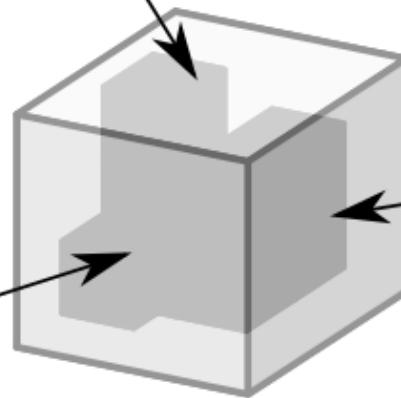
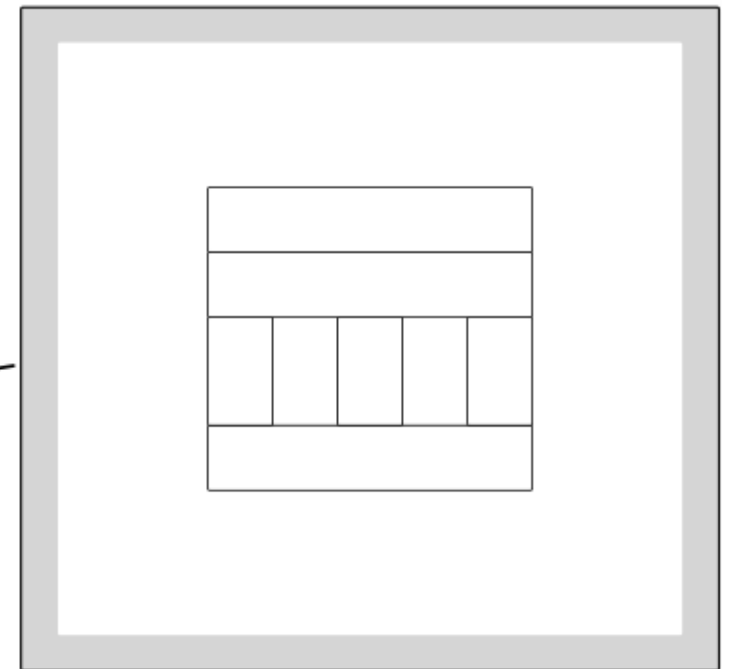
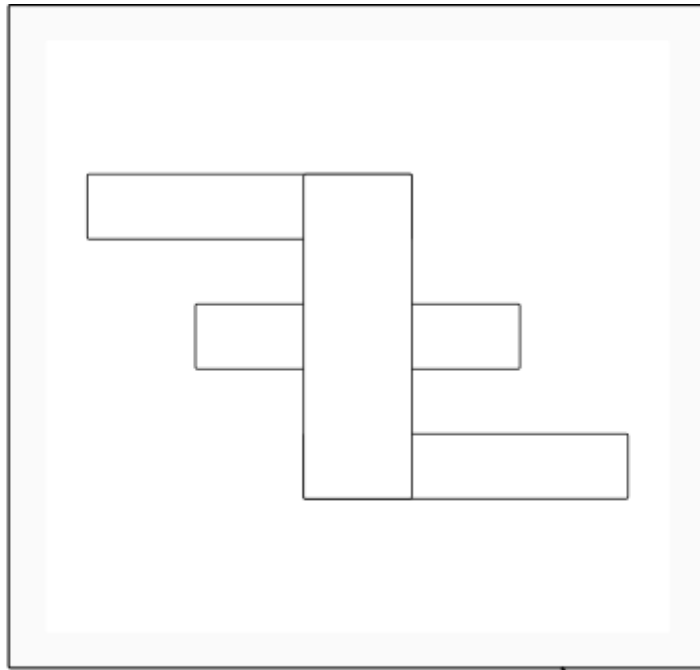


29

Jenga Views

By David K Butler

Build a structure with Jenga blocks that has these three views.

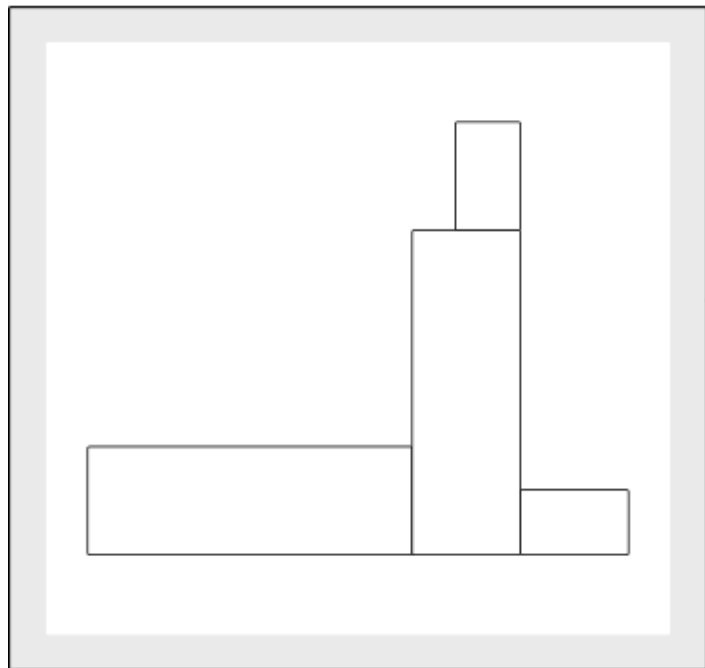
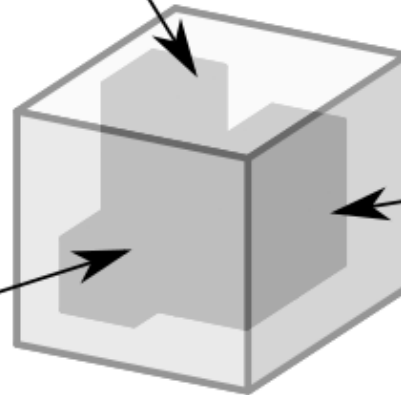
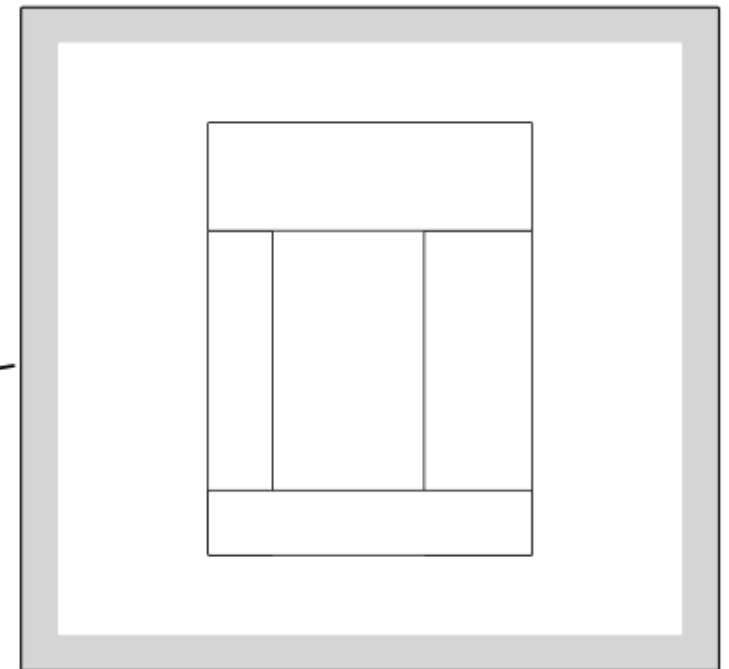
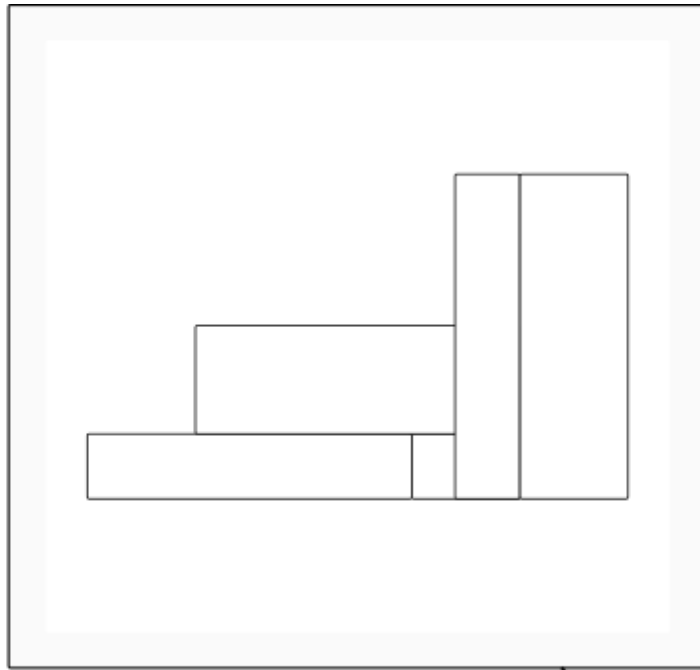


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Jenga Views

By David K Butler

Build a structure with Jenga blocks that has these three views.

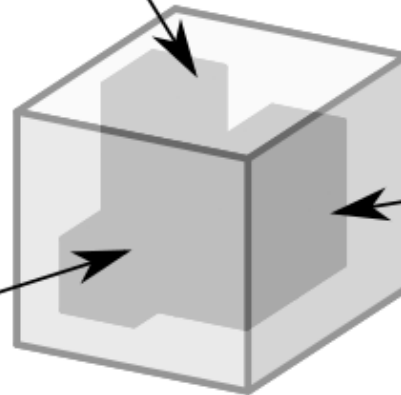
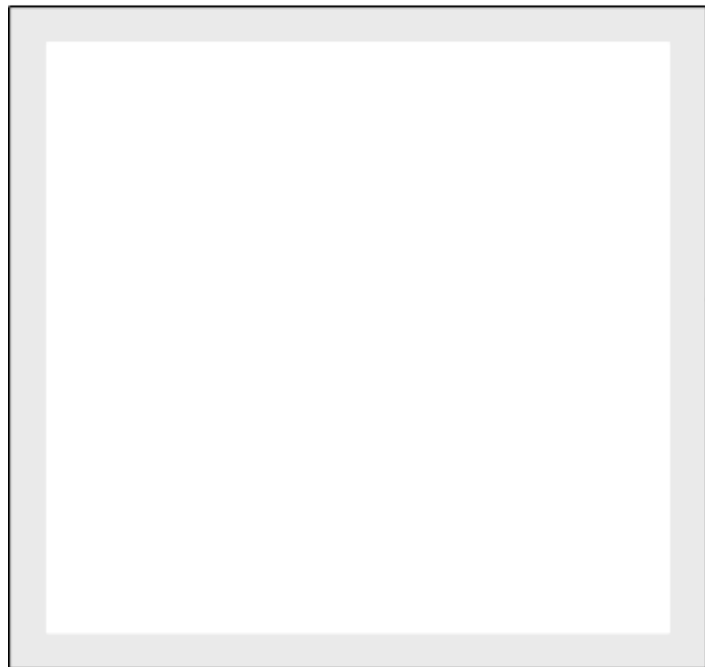
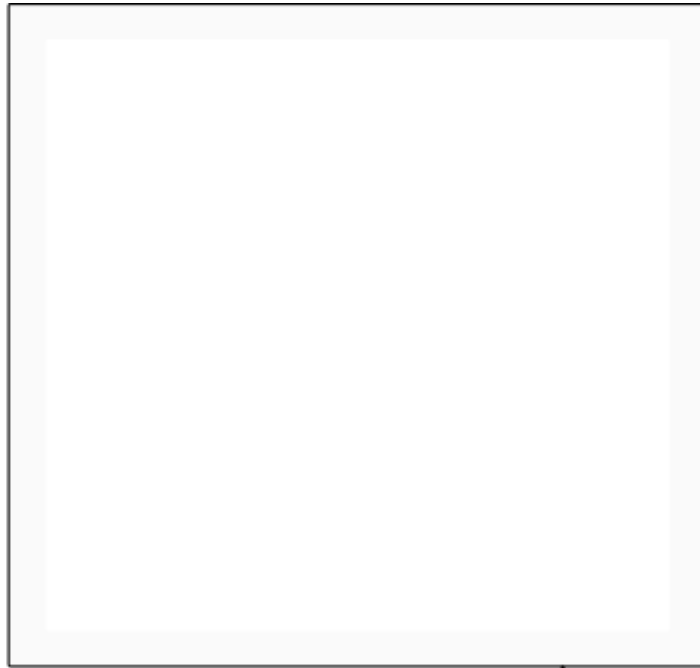


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Jenga Views

By David K Butler

Build a structure with Jenga blocks
that has these three views.

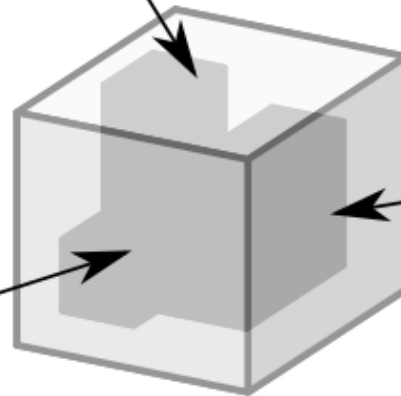
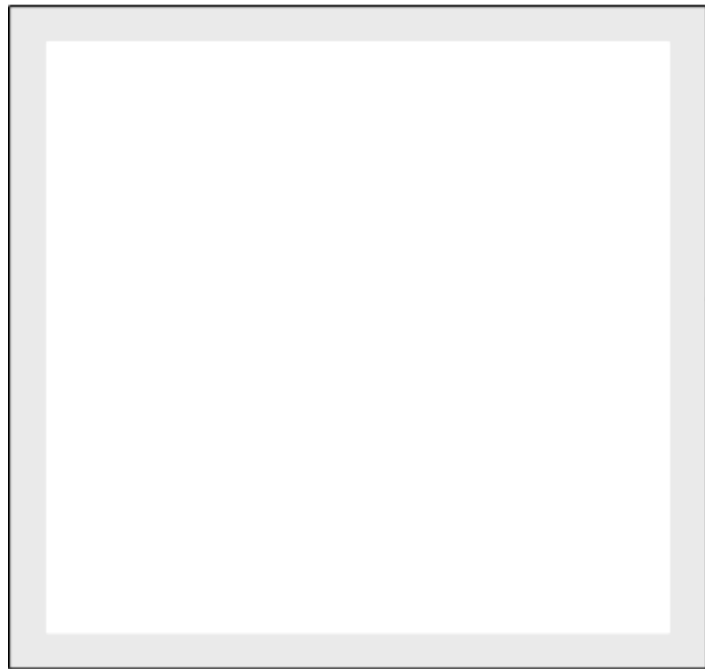
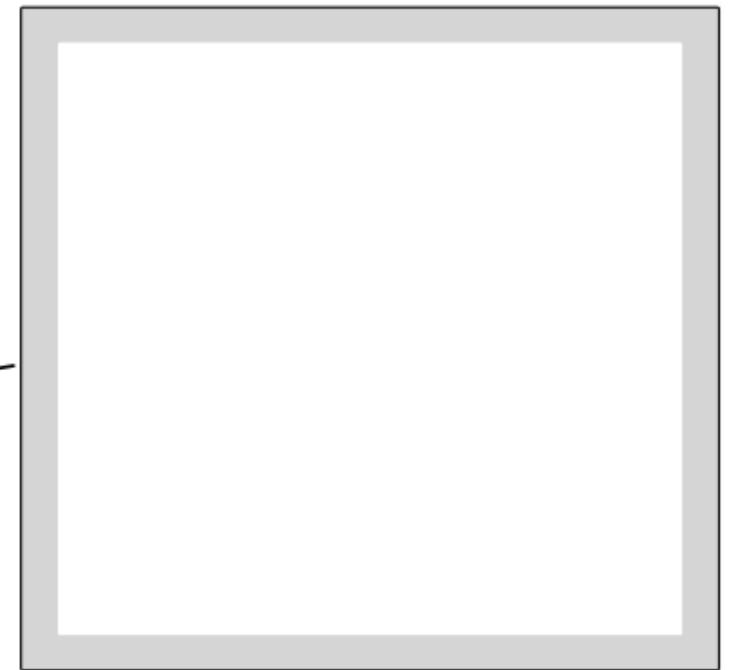
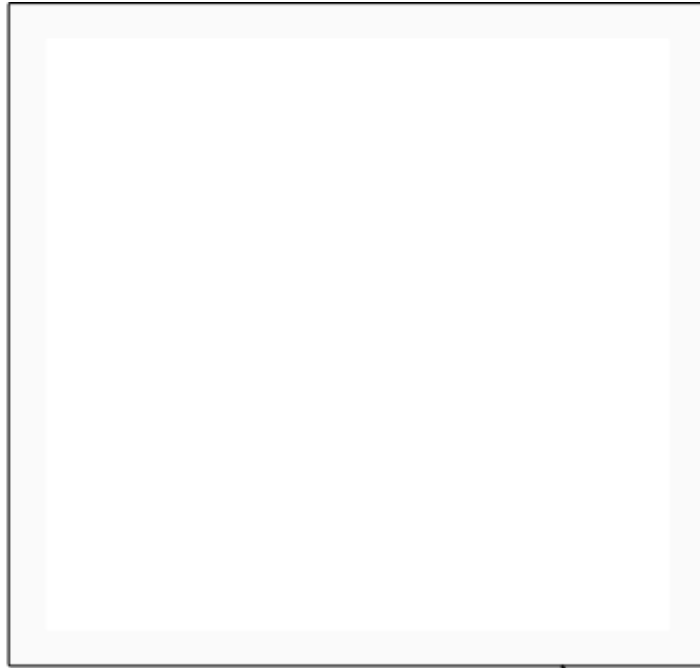


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Jenga Views

By David K Butler

Build a structure with Jenga blocks
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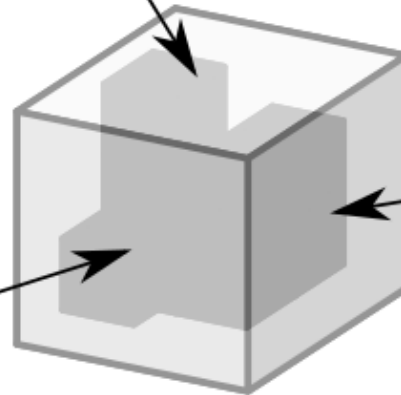
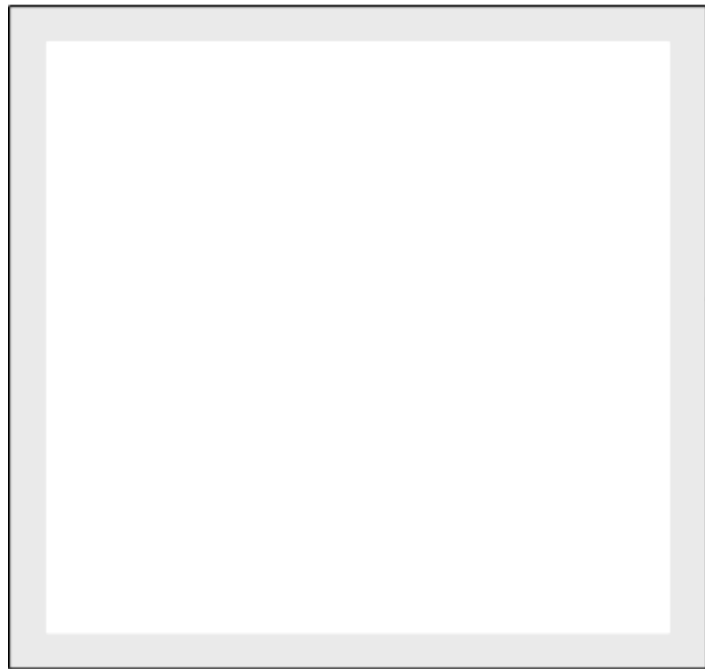
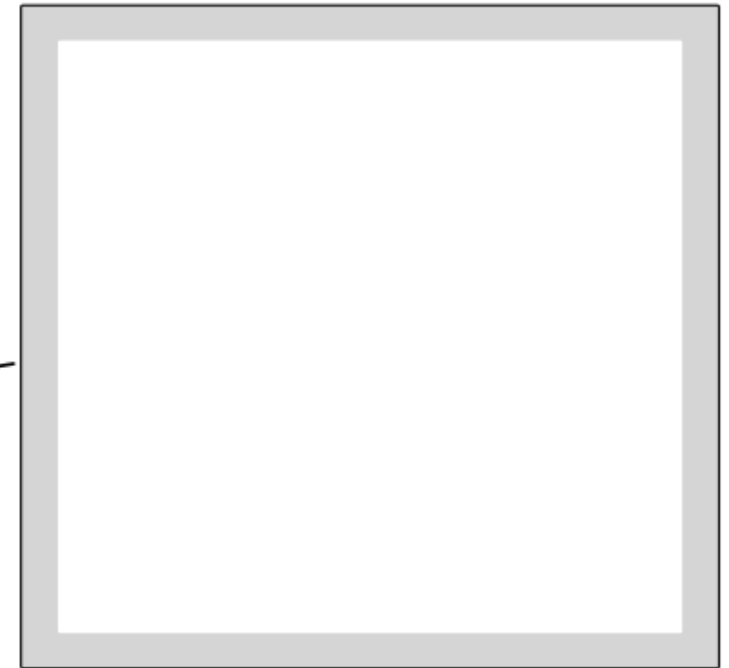
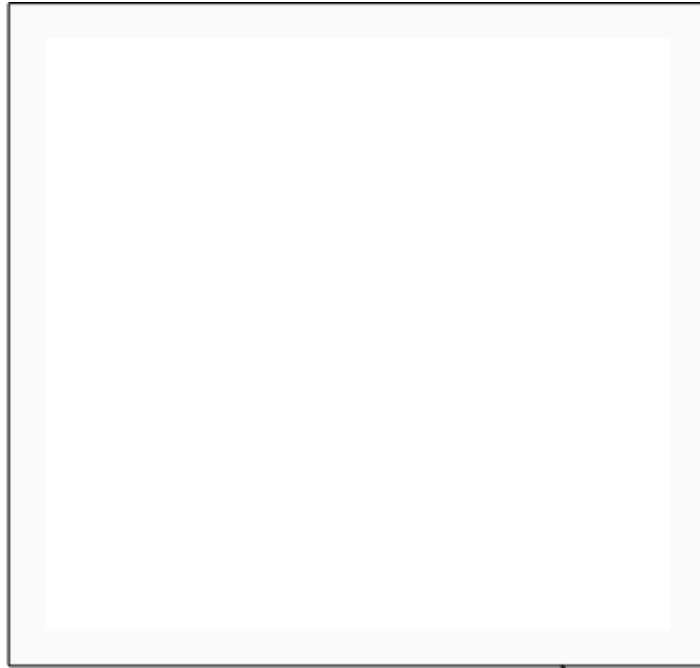


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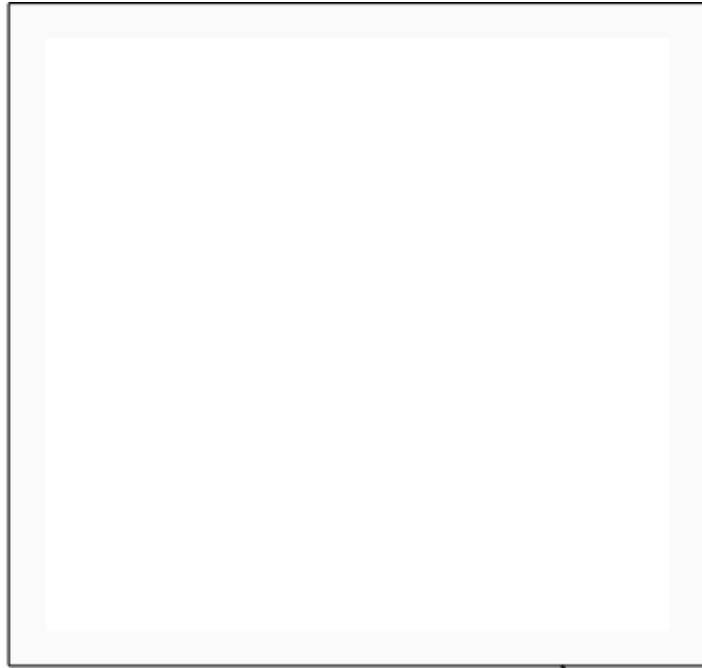
Jenga Views

By David K Butler

Build a structure with Jenga blocks
that has these three views.



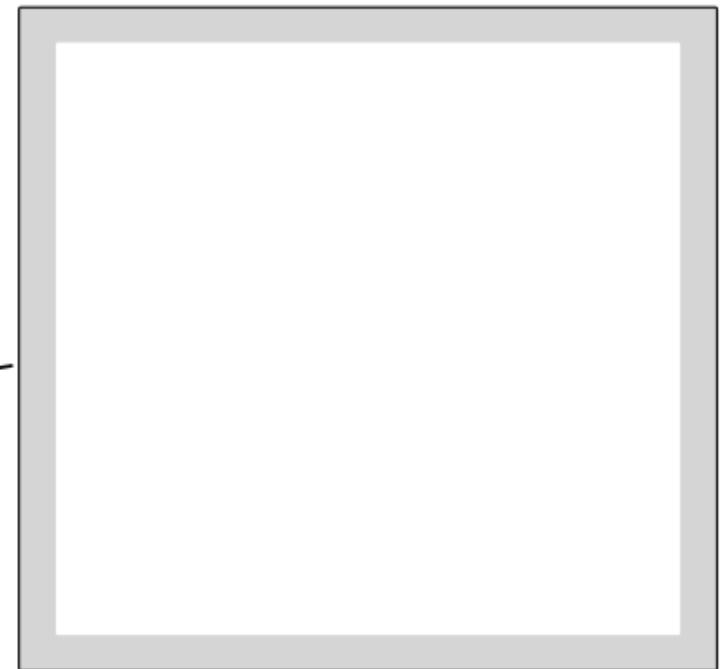
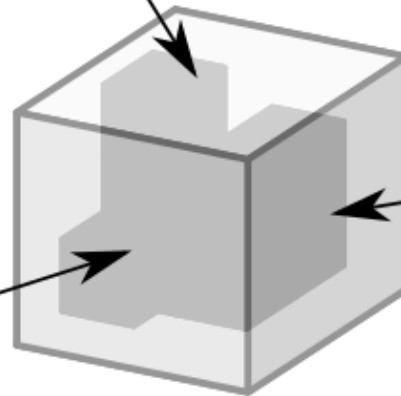
Make
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Jenga Views

By David K Butler

Build a structure with Jenga blocks
that has these three views.



Jenga Views: Home-Made Blocks

By David K Butler

The next page has a template you can use to make your own blocks from paper. You will need at most six blocks for each Jenga Views puzzle.

To make a Jenga Block:

1. Cut out the net along the outside lines. Also cut along any line with a stripy pattern next to it.
2. Fold all lines in the same direction away from the printed side of the paper, except the long grey tab with four arrows. This should be folded back and forth in a zigzag.
3. Roll up the box with the white rectangles on the outside. Tuck the grey rectangles under the white faces. The zigzag should sit inside the box to give the block support. This video shows how to fold the net into the block: https://youtu.be/ZwKNPJ5_qnA .
4. It is a good idea to tape the long open edges of each block to hold it together tightly.

