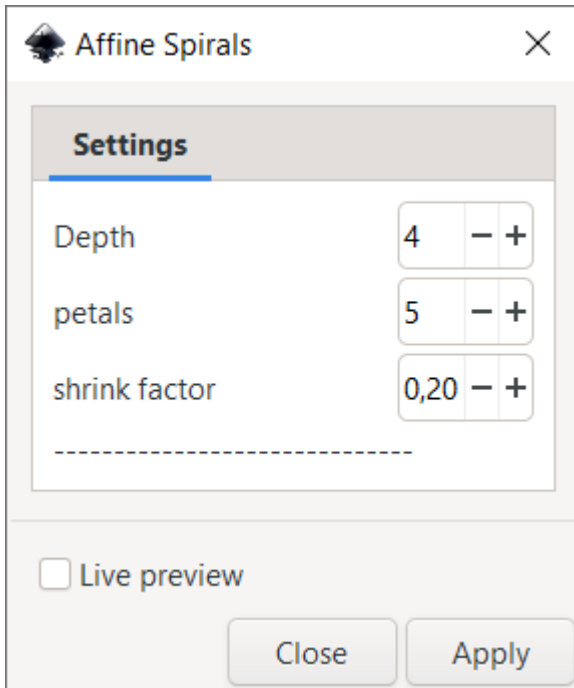


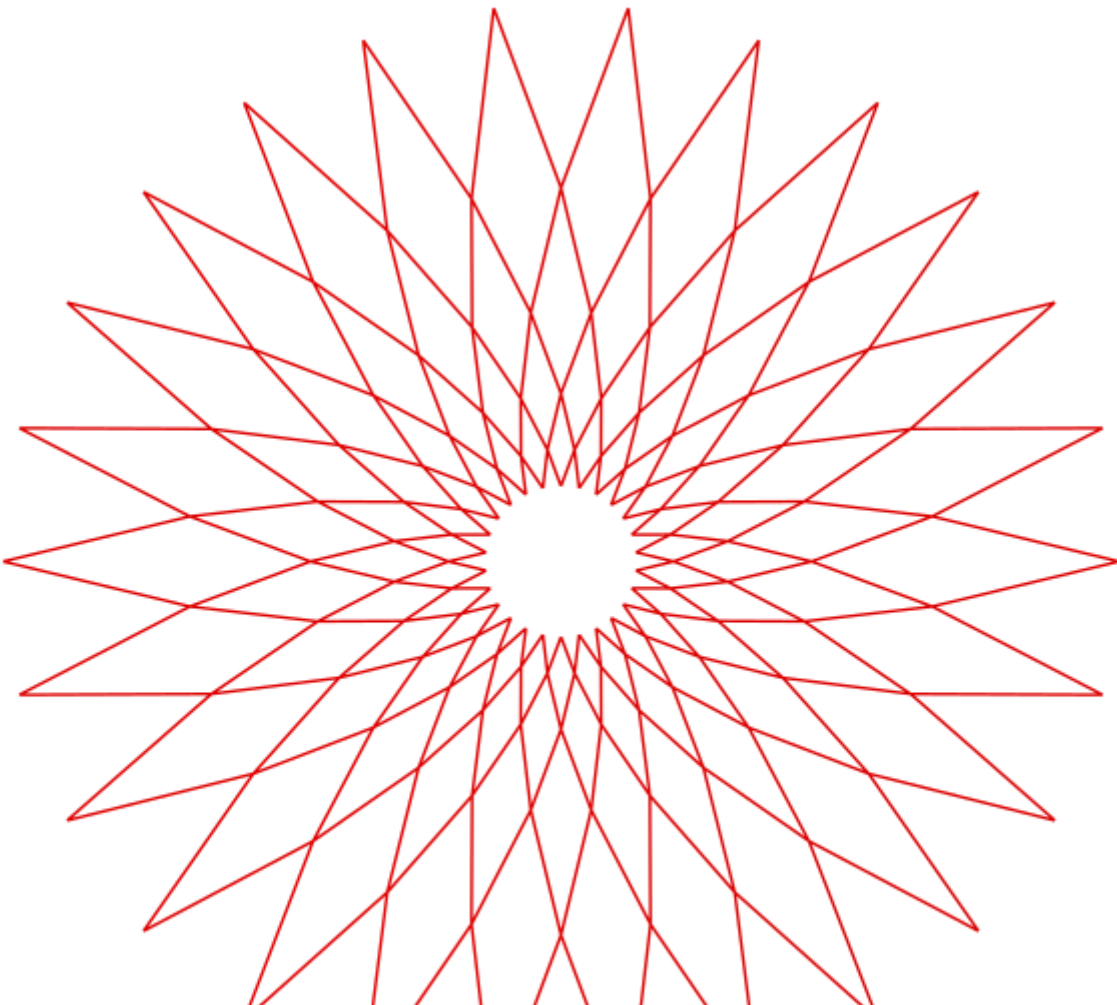
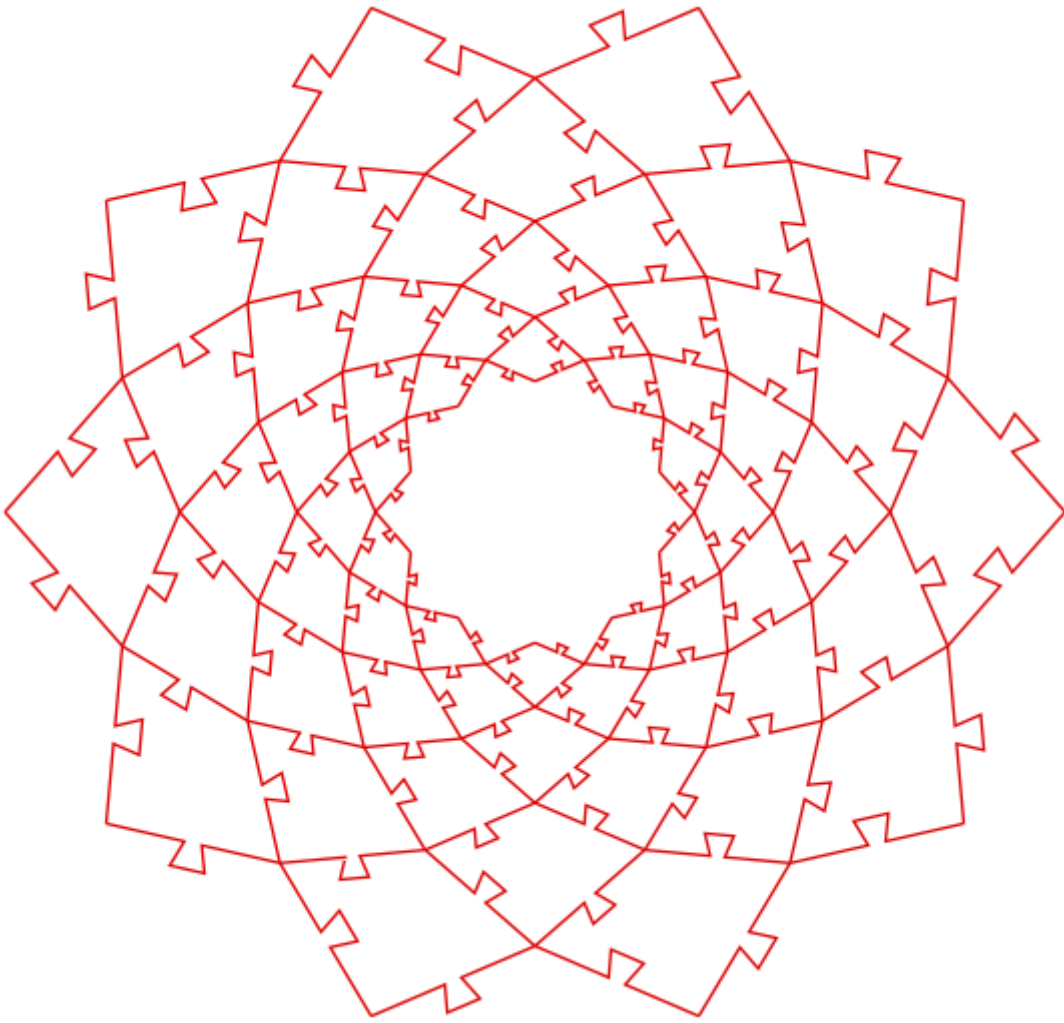
Puzzles/Mazes/Nests

S

- [Affine Spirals](#)
- [Apollonian Gasket](#)
- [Bouwkamp Code](#)
- [Eggmazing](#)
- [Lasercut Jigsaw](#)
- [Maze](#)
- [Sudoku](#)

Affine Spirals





Apollonian Gasket

Source of the extension: <https://github.com/macbuse/Apollonian>

Apollonian Gasket

Settings Usage Help

Depth 4

c1 3,00

c2 4,00

c3 2,00

shrink circles for cutting

Live preview

Close Apply

Apollonian Gasket

Settings Usage Help

Make an apollonian gasket:

Depth = depth in search tree

c_1, c_2, c_3 = curvatures of first 3 osculating circles

See https://en.wikipedia.org/wiki/Apollonian_gasket for details of construction.

Live preview

Close Apply

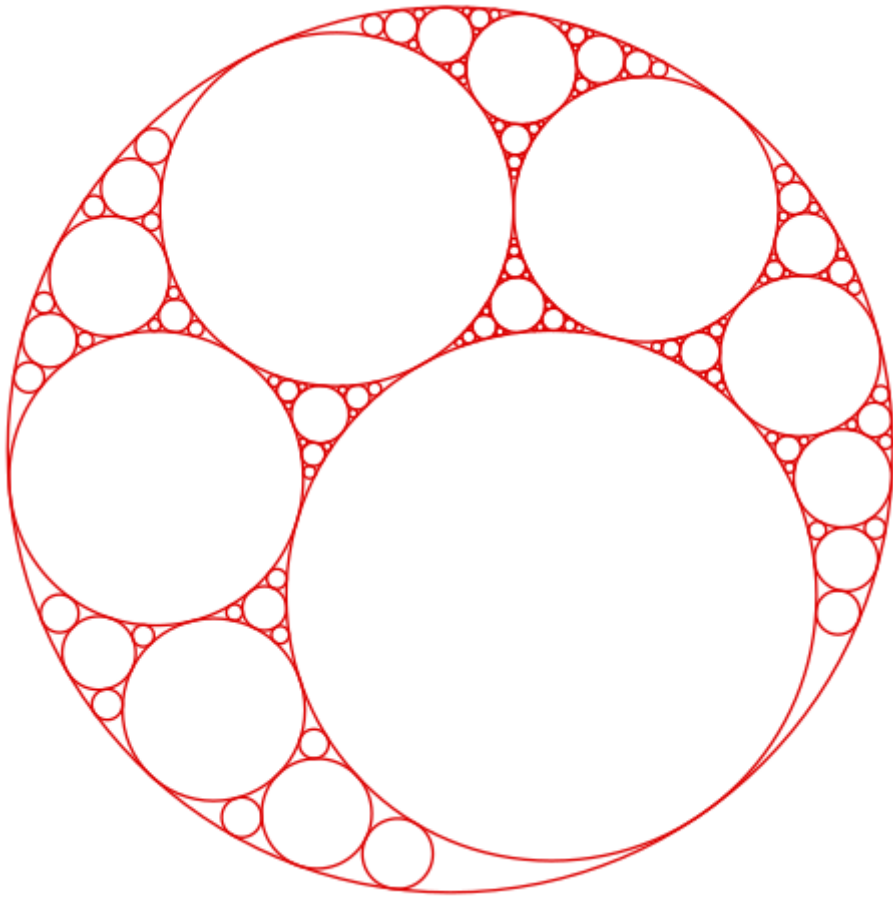
Apollonian Gasket

Settings Usage Help

No help needed.

Live preview

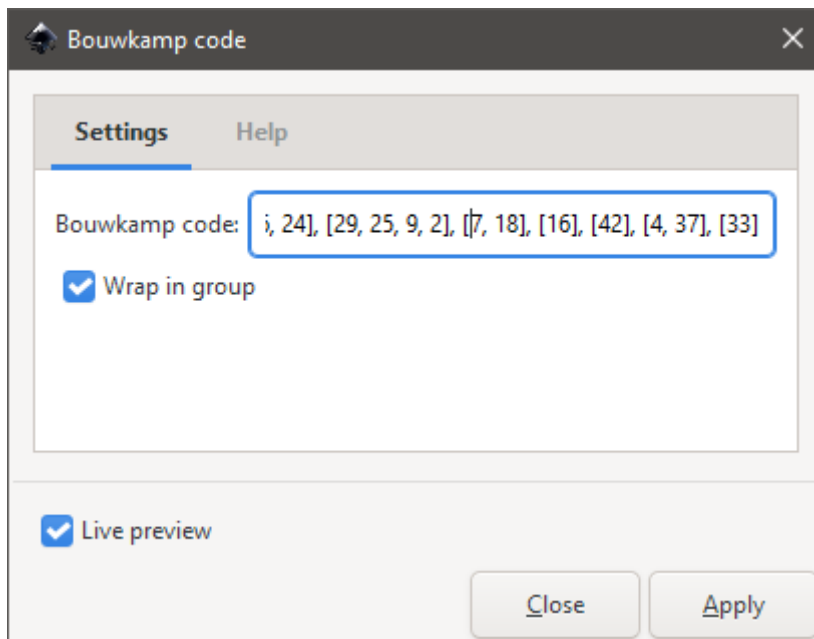
Close Apply

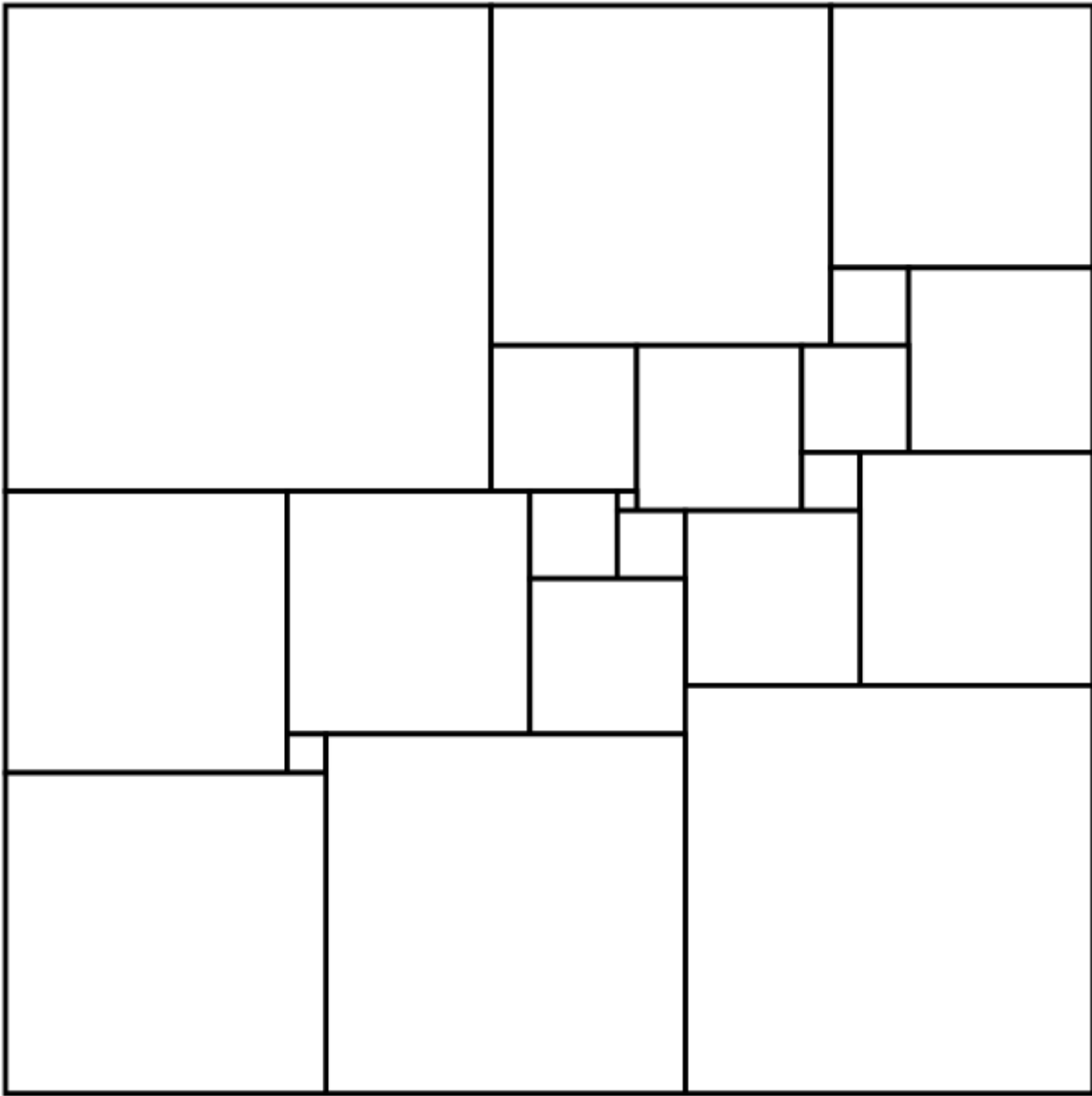


Bouwkamp Code

Source: <https://github.com/Wandmalfarbe/bouwkamp-code-generator>

This Inkscape extension allows you to generate squared squares and squared rectangles from Bouwkamp codes and table codes. You can paste Bouwkamp codes with or without various formatting characters (like brackets) and convert them to the corresponding squares. The following three simple perfect squared squares (SPSS) that were generated from Bouwkamp codes.





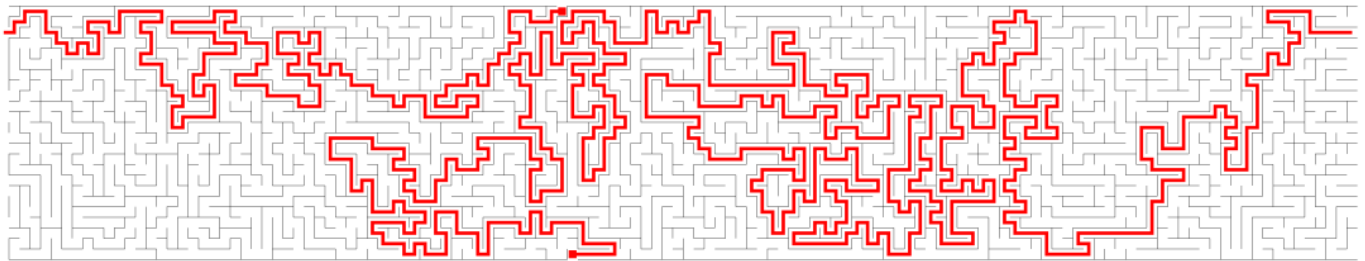
Eggmazing

Eggmazing ×

Maze dimensions (w x h): Small (32 x 6)
 Medium (64 x 12)
 Large (96 x 18)
 Extra large (128 x 24)

Vorschau

Schließen Anwenden



Lasercut Jigsaw

An extension for Inkscape that creates jigsaw shaped pieces. Options for back, and single cut pieces. Creates a jigsaw puzzle for laser cutting.

- set dimensions in various units,
- number of pieces in X,Y,
- randomness and size of tabs,
- rounded corners, and a backing as an option.
- packed neatly for minimal cutting.
- uses minimal lines to optimise for laser cutting (e.g. when using packed backboard).

May one day be extended to do boolean cuts and create separate pieces. (Will require DBUS or some other way to call boolean ops from a plugin.) Currently there is an experimental checkbox which will create pieces suitable for laborious manual boolean operations. Useful if you want separate jigsaw pieces.

Source:

- <https://inkscape.org/de/~Neon22/%E2%98%85lasercut-jigsaw>
- <https://github.com/Neon22/inkscape-jigsaw>

option is enabled.

Border color



Jigsaw lines color



Live preview

Close

Apply

Lasercut Jigsaw



Style

Dimensions

Notches

Usage

Define the Jigsaw size and grid size.

Width

350,00

-

+

Height

350,00

-

+

Corner radius

0,00

-

+

Units

mm ▼

Outer Border

Border width

20,00

-

+

Border radius

5,00

-

+

Pack Location

Below ▼

How many pieces across

10

-

+

How many pieces down

10

-

+

Live preview

Close

Apply

Lasercut Jigsaw ✕

Style Dimensions **Notches** Usage

The interlocking pieces can be shaped here. Also the random nature of the layout.

Notch relative size 0,50 - +

Grid Randomisation 0,33 - +

Some edges can be smooth

percentage of smooth edges 10,00 - +

Random jigsaw

or Jigsaw pattern (seed) 12345 - +

Create separated pieces

Shifting for each piece 50,00 - +

Live preview

Close Apply

Lasercut Jigsaw ✕

Style Dimensions Notches **Usage**

Jigsaw lines are single for minimal laser cutting.
(The pieces are not discrete shapes.)
The outer edge can be a rectangle or have rounded corners.

A Surrounding border can be added to frame the jigsaw.

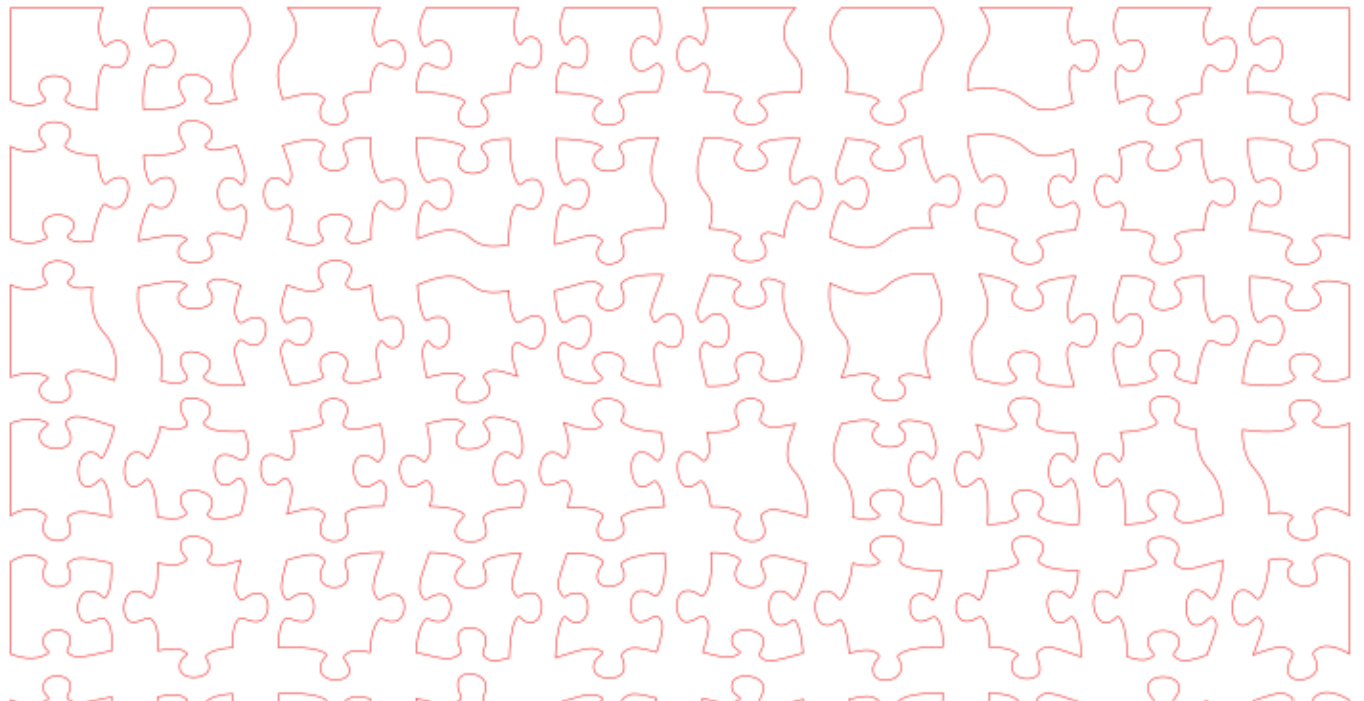
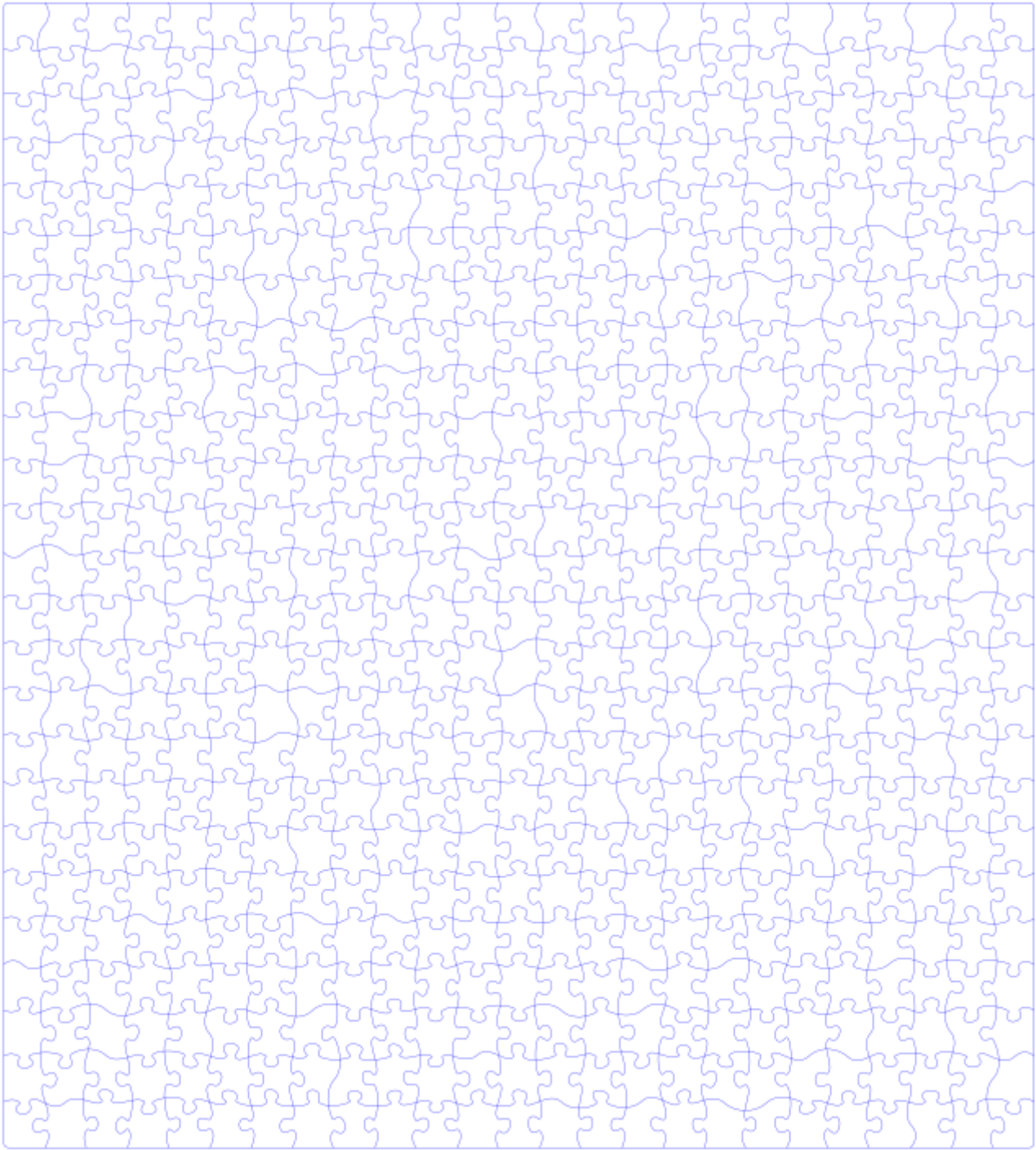
Notch size is related to the averaged Jigsaw piece size.

Randomization creates irregularity for unique pieces.

Adjust Notch size and Randomization to avoid overlapping lines:

- High values of randomization will cause overlapping lines on small notches.
- Highly unbalanced grids (E.g. 9x2 with 0.5 notches) will create overlapping lines.

Sample Output



Maze

Source of extension: <https://inkscape.org/de/~thjazi/%E2%98%85maze>

Maze ✕

Height - +

Length - +

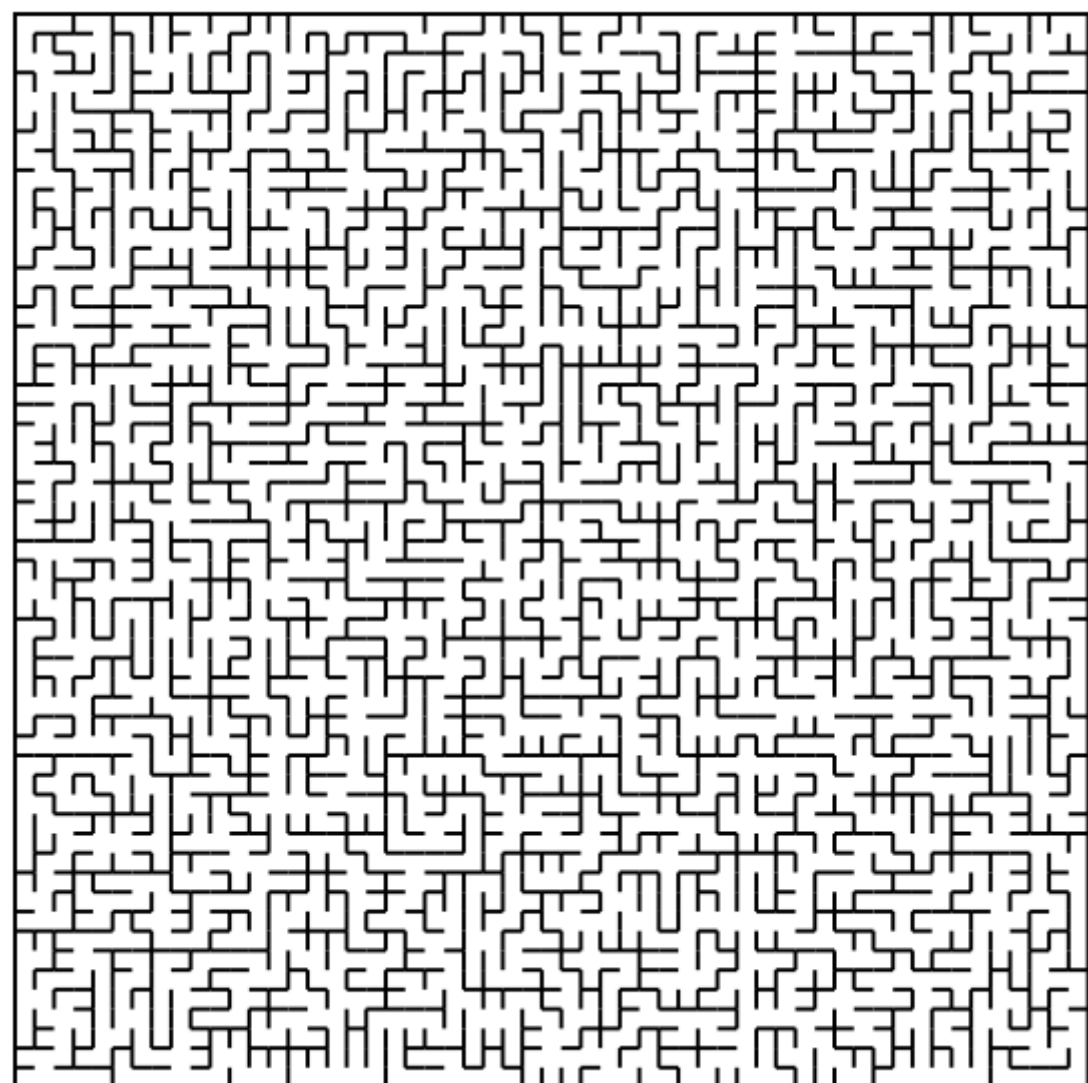
Cell Size - +

Line Width - +

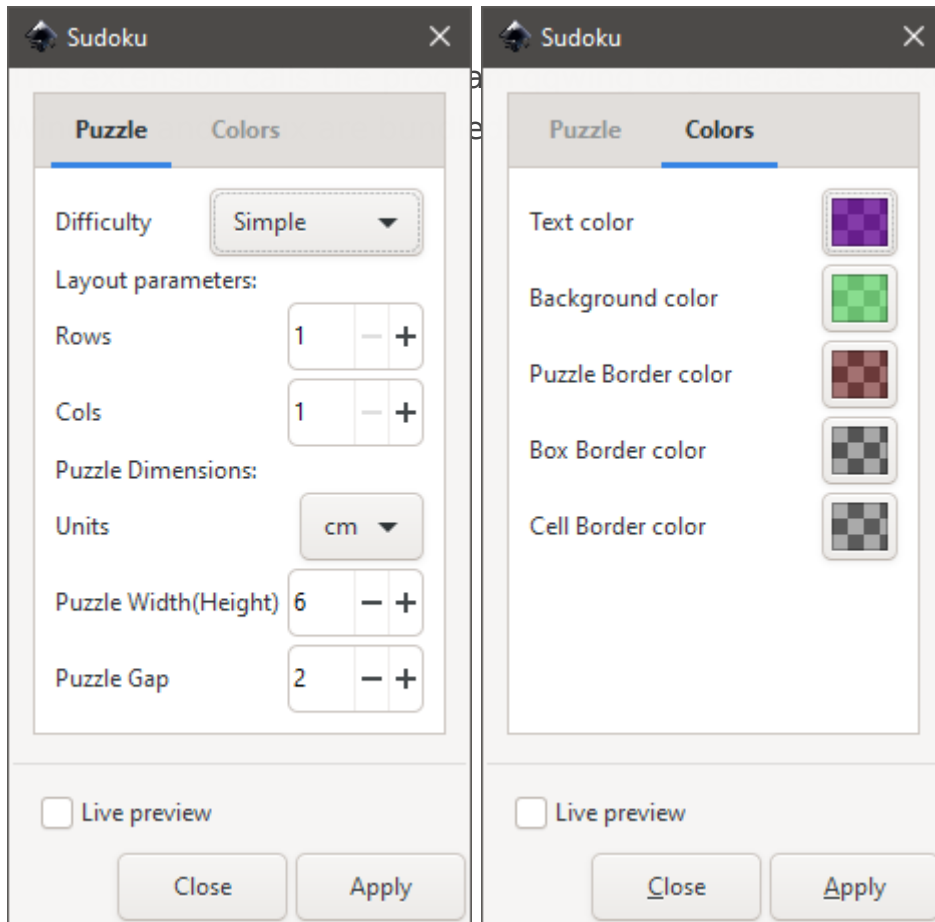
Algorithm ▼

This script will generate a maze according to a certain algorithm.

Live preview



Sudoku



data. The executable for

Example output

2		8			6	5	9	
		5	1		8	6		7
	6					1		
	5		7	2			4	
		7				9		
	2							
1							5	
	8	4		9		7	1	
	9							