



## Checkerboard - TLs by Sam Loyd



Welt der Geduldspiele

[VIEW IN BROWSER](#)

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### Summary

The eight parts (one L and seven different T's) should be assembled into a correctly colored 8x8 checkerboard.

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Tags: [puzzle](#) [checkerboard](#) [packingpuzzle](#) [dissection](#)

#### Puzzle description:

This puzzle was created by Sam Loyd around 1902. The broken checkerboard consists of eight parts (one L and seven different T's) that are to be assembled into a correctly colored 8x8 checkerboard. You can assemble the puzzle in three different ways: One-sided (use TLs by Sam Loyd - onesided.stl for the pieces) or two-sided (use TLs by Sam Loyd - onesided.stl). In the second case you can color the back as the front or the opposite way.

If you can read German: Mehr Informationen gibt es in <https://welt-der-geduldspiele.blogspot.com/search?q=3D-Druck>

#### Puzzle difficulty:

The puzzle is very difficult for two reasons. Firstly, almost all pieces have at least one long side and you would therefore like to place this edge on the edge. But there isn't that much of a border, and the long sides inside

are very unwieldy. Secondly, there is only one solution, regardless of whether we make the one- or two-sided. Due to the larger number of possibilities, the two-sided variants are even more difficult than the one-sided variant.

Printing instructions:

For the one-sided version, print TLs by Sam Loyd - onesided.stl and 32 caps in two colors each.

For the two-sided version, print TLs by Sam Loyd - twosided.stl and 64 caps in two colors each.

Only if needed, more single caps can be printed with single\_cap.stl.

A tray for the 8x8 checkerboard also is provided (Checkerboard\_Tray.stl).

Prints are fine with no supports.

I printed the puzzle in PLA at 0.1 mm layer height.

## Print Settings

### Printer Brand:

Prusa

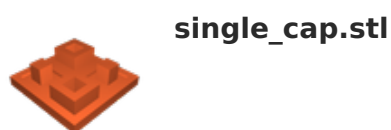
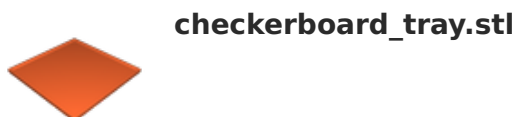
### Printer:

MINI+

**Filament:** PLA

Category: Puzzles

## Model files





**tls\_by\_sam\_loyd\_-\_onesided.stl**



**tls\_by\_sam\_loyd\_-\_twosided.stl**



**caps\_32.stl**

[Find source .stl files on Thingiverse.com](#)

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