



## CuLoop Rules

Variation - Classic

Mode: 1 Player (solo/puzzle)

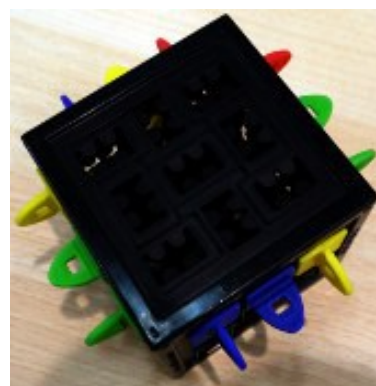
Difficulty: Advanced

### Rules

#### A Loop is:

- ✓ A loop is a side-by-side (straight, not diagonal) sequence of pegs (or slots), that wraps around the Culica, like a loop or band.
- ✓ A loop is one peg (or slot) wide and twelve pegs (or slots) long.
- ✓ Note that there are 9 loops in total on the cube – 3 around each axis. Some loops may be horizontal and others vertical.

*The pictures, right, show a populated loop from different angles.*



#### To Win:

- ✓ Put as many pegs into the Culica as you can such that each of the nine loops has no more than three pegs of each colour. (i.e. 3 red, 3 yellow, 3 green and 3 blue).
- ✓ Your high score is the number of pegs you managed to place.
- ✓ The best possible score is to place so many pegs that only 2 empty slots remain! (i.e. 52 pegs are placed).

*The picture, right, shows two populated loops (which wrap around the cube around different axes).*



### Notes

The game described above is **3-Per-Colour-CuLoops**. You can also play **n-Per-Colour CuLoops**, where **n** is the number of pegs of each colour allowed per loop.

Surprisingly, it is impossible to make a legal move in n-Per-Colour-CuLoops if n is an odd number. For 3-Per-Colour-CuLoops no more than 52 pegs can be placed. The Culica website has proofs.

*See also:* CuLook, a related Culica game.

[www.culica.com](http://www.culica.com)

Copyright 2012 Culica Ltd