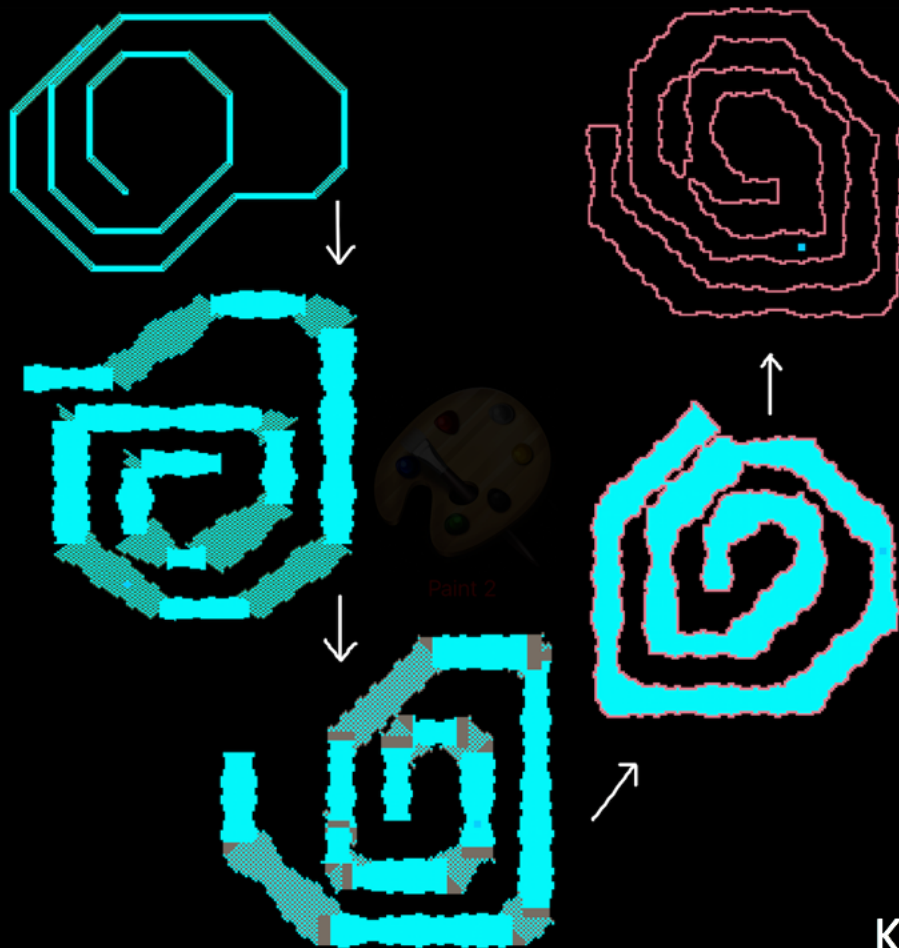# Data set generator for the inside/outside problem

Motivation: Elementary but difficult visual tasks for current computational models should be identified and analyzed first in order to create a unified system that solves multiple challenging tasks.

The problem: Determine whether or not an object is inside or outside a closed path.

Result: a program that can generate multiple and random data sets for this problem, allowing for changes in the complexity of the images.

Parameters: Number of turns, directions, thickness, side length, size, space, etc.

Further Work: Train neural networks with data sets that have different complexity levels to make comparisons and determine whether the problem can be successfully solved or not.

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