## Rubik 1x3x3 Floppy Mirror Cube


a.k.a. Magic Floppy Cube

Made in Hong Kong, 2009.
(plastic, 2.25 by 2.25 by $3 / 4$ inches)
A version of the Rubik 1x3x3 Floppy Cube where cube sizes progress from small to large; it can be solved in exactly the same way. Fun shapes can be formed:


Unlike the Rubik $3 \times 3 \times 3$ Mirror Block, which progresses in all three dimensions, here all cubes have the same thickness and not all unsolved positions have a jumbled shape. In fact, because for this puzzle it is very easy to get back to the square shape, it is perhaps even easier to solve than the normal floppy cube. By randomly mixing and restoring to a square the puzzle is typically quickly solved or in a position where two adjacent edges are flipped, which can easily be fixed with the following transformation ( F and R denote flips of the front and right sides, 3 means do it three times):

(F R) ${ }^{3}$

