

Jaap's Puzzle Page

Morph head



This object is so simple it can hardly be called a puzzle, but it has a nice mechanism and moves quite well. It depicts Morph, and was part of a MacDonaldis campaign in 2002. It consists of 4 segments, and each half can be turned through 180 degrees. It can be thought of as a $2 \times 2 \times 1$ cube-like puzzle.

The number of positions:

If you hold one piece steady, then the other three pieces are mixed relative to it. Their orientations depend on their positions, so there are merely $3! = 6$ possible positions.

Depth	# Positions
0	1
1	2
2	2
3	1
Total	6

Solution:

If you hold one part steady, then there are only two possible moves you can do. Alternate those two moves, and it will be solved in at most 5 moves.

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