Problem of the Month
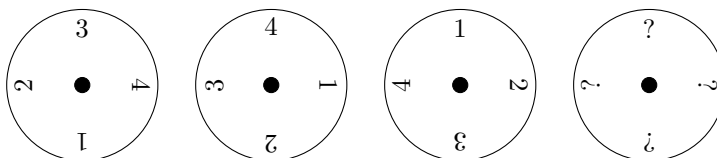## Problem 4: Rotating dials

January 2026

Hint

Here are two distinct but related hints for this problem:

- Does the order in which moves are applied affect the outcome of a sequence of moves?

- Suppose $k = 4$ and the dials are configured as follows:

Is it possible to determine the position of the 4th dial?