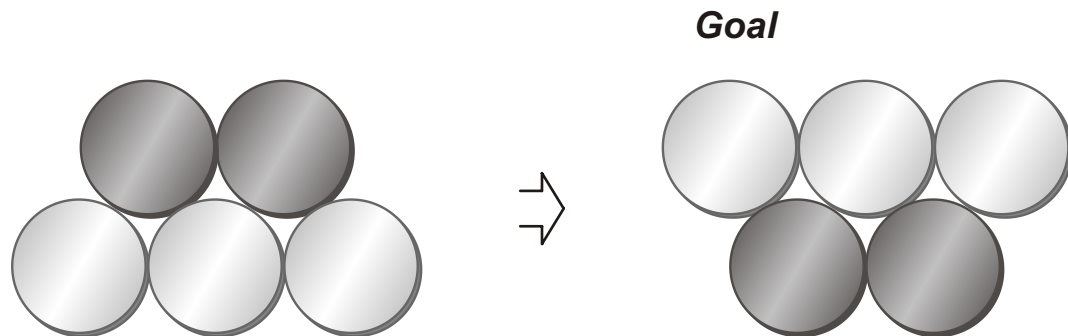


Olympic Coins 2*

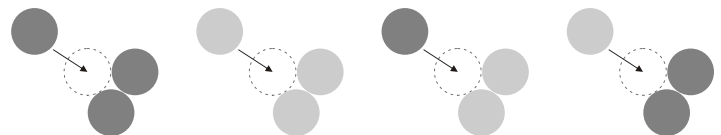
by Serhiy Grabarchuk, Jr.



Legal moves



Illegal moves



Five identical coins are arranged into the shape reminding the Olympic Rings symbol, only exchanged its two rows of the rings. Three coins are placed heads up and two - tails up, just as shown on the left.

Can you reach the **Goal** position shown on the right with the minimum number of special single-coin moves? A special single-coin move consists of sliding a coin to a new position where it must touch only (!) two other coins one of which is placed heads up, while another - tails up. The examples of legal and illegal moves are shown in the bottom row of the illustration. The case when the moved coin (marked as @) makes a straight line triad, like O@O (where both O's are the two unmoved coins), is not allowed.

How many moves will you need?

*The first *Olympic Coins* puzzle can be found at <http://www.unipuzzle.com/Puzzles/OlympicCoins>.