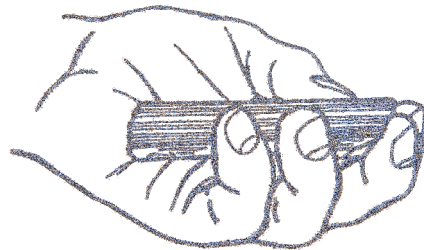


## Problem number 254

Posted Monday March 9<sup>th</sup> 2015

Submit by noon, Monday March 16<sup>th</sup> 2015



A deck of ten cards, labelled 1, 2, 3, 4, 5, 6, 7, 8, 9, and 10 is held face up and dealt onto a table in the following manner:

- The first card is placed face up on the table.
- The second card is put on the bottom of the deck.
- The third card is placed face up on the table.
- The fourth card is put on the bottom of the deck.
- The fifth card is placed face up on the table.

This pattern is continued, with every second card put on the bottom of the deck, until all cards are face up on the table. The order of the cards on the table is



In what order were the cards in the deck at the start?