A MATHEMATICIAN AT PLAY

Slide, jump and switch places

Games have inspired mathematical puzzles since people began playing them. A puzzle is a kind of solitaire, after all. Join **Daniel Finkel** to explore a few puzzles that are inspired by checkers.

Today's puzzle, however, is only loosely inspired by checkers: there are no kings, no taking other pieces, and no diagonal movement. There are two colours of checkers, though, and there is jumping.

Your goal in these puzzles is to switch the red and black checkers. Red can either slide one space to the left, or jump left over a checker. Black moves right, either by sliding one space or by jumping. Checkers can only move to vacant spaces.

