The Six Pennies

by Henry E. Dudeney

Place six pennies on the table in two rows as shown in the uppermost figure. The object is to turn these two rows into the coin circle shown in the lowermost figure in only three moves.

A move consists of sliding one coin to a new position, where the moved coin has to touch two other coins.
The Six Pennies (solution)

The solution is shown in the illustration.