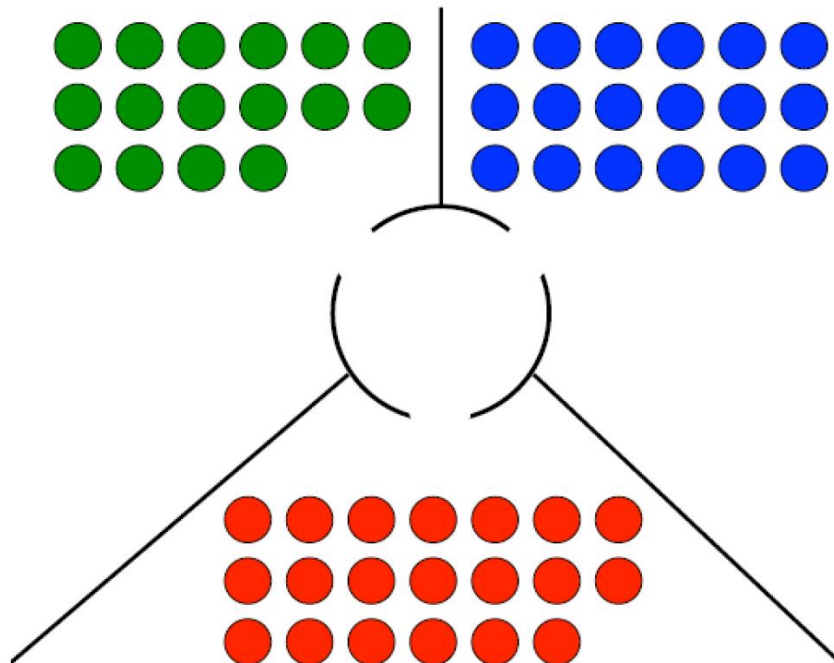# Puzzle
Chameleons

Problem definition:

A chameleon colony currently consists of 20 red, 18 blue and 16 green individuals. When two chameleons of different colours meet, both change their colours to the third colour. Is it possible that all chameleons will have the same color after a while?

Sketch:

Source:
Peter Winkler: „Mehr mathematische Rätsel für Liebhaber" (S.32)