

Let four (red) circles 1, 2, 3, 4 such that 1 touching 2, 2 touching 3, 3 touching 4, 4 touching 1 and 1, 2, 3, 4 touching (blue) circle 5. Construct four purple circles 6, 7, 8, 9 such that: 6 touching 1, 2, 5; 7 touching 2, 3, 5; 8 touching 3, 4, 5; 9 touching 4, 1, 5. Then exist a circle touching with four circles 6, 7, 8, 9 (green).

