$$r_2 = \tfrac{1}{2}r_1 \qquad A = r_2 + r_4 = \tfrac{1}{2}r_1 + \tfrac{1}{6}r_1 = \tfrac{4}{6}r_1$$

$$r_3 = \tfrac{1}{3}r_1 \qquad B = r_3 + r_4 = \tfrac{1}{3}r_1 + \tfrac{1}{6}r_1 = \tfrac{3}{6}r_1$$

$$r_4 = \tfrac{1}{6}r_1 \qquad C = r_2 + r_3 = \tfrac{1}{2}r_1 + \tfrac{1}{3}r_1 = \tfrac{5}{6}r_1$$

trójkąt ABC jest trójkątem $3 : 4 : 5$