a) 
$$R + 2R + 3R = 6R$$

a) 
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  $Req = \frac{6R \times 4R}{(6 + 4)R} = \frac{24}{10}R = 2,4R$ 

$$b) \cdot R + R = 2R$$

c) 
$$2R + R = 3R$$

$$.3R //2R = \frac{3R \times 2R}{(3+2)R} = \frac{6}{5}R$$

$$\cdot \frac{6}{5}R + R = \frac{11}{5}R$$

$$\frac{11}{5}R // R = \frac{\frac{11}{5}R \times R}{\frac{11}{5}R + R} = \frac{11}{5}R^2 \times \frac{5}{16R} = \frac{11}{16}R$$

d). 
$$4R // 4R = 2R$$
  $Req = \frac{6R \times 2R}{(6+2)R} = \frac{12}{8}R = \frac{3}{8}R$ 

$$\frac{3}{2}R//2R = \frac{\frac{3}{2}R \times 2R}{\left(\frac{3}{2} + 2\right)R} = \frac{6}{2}R^2 \times \frac{2}{7R} = \frac{6}{7}R$$

$$-1,5R+2R = \frac{3}{2}R+2R = \frac{7}{2}R = \frac{3.5R}{2}$$

$$\begin{cases} R_{3} // R_{4} = \frac{R_{3} R_{4}}{R_{3} + R_{4}} \\ R_{1} // R_{2} = \frac{R_{1} R_{2}}{R_{1} + R_{2}} \end{cases} \qquad \begin{cases} \frac{R_{3} R_{4}}{R_{3} + R_{4}} + \frac{R_{1} R_{2}}{R_{1} + R_{2}} \\ \frac{R_{1} R_{2}}{R_{1} + R_{2}} \end{cases}$$