

Risolvere le seguenti espressioni:

$$1) \left\{ -\frac{5}{12} - \left[\frac{3}{4} - \left(\frac{5}{2} - \frac{2}{3} + \frac{1}{6} \right) - \left(2 - \frac{3}{4} + \frac{5}{3} \right) \right] \right\} - \frac{7}{4} = \quad R = 2$$

$$2) -\frac{15}{4} + \left\{ \frac{5}{4} - \left[\frac{29}{12} - \left(\frac{27}{10} - \frac{2}{3} - \frac{1}{30} \right) - \left(1 - \frac{3}{4} + \frac{8}{3} \right) \right] \right\} = \quad R = 0$$

$$3) \left\{ -\frac{3}{4} - \left[\left(\frac{5}{4} - \frac{3}{5} - \frac{3}{2} \right) - \left(-\frac{2}{5} + \frac{1}{2} - \frac{5}{6} \right) \right] \right\} + \frac{2}{15} = \quad R = -\frac{1}{2}$$

$$4) \left\{ \frac{13}{4} - \left[\left(\frac{7}{3} + \frac{1}{4} \right) - \left(\frac{1}{10} - \frac{1}{3} + \frac{2}{5} \right) - \frac{19}{12} \right] - \frac{4}{3} \right\} \cdot \left(\frac{2}{13} - \frac{1}{2} \right) = \quad R = -\frac{3}{8}$$

$$5) \left\{ -\frac{7}{4} - \left[\left(\frac{3}{20} - \frac{4}{3} - \frac{3}{4} \right) - \left(\frac{23}{20} - \frac{7}{5} - \frac{1}{30} \right) - \frac{3}{5} \right] \right\} \cdot \left(\frac{5}{3} - \frac{7}{15} - \frac{3}{2} \right) = \quad R = -\frac{3}{20}$$

$$6) \left\{ -\frac{3}{4} - \left[-\left(\frac{1}{12} + \frac{11}{21} + \frac{22}{15} \right) - \left(\frac{11}{12} - \frac{21}{20} - \frac{4}{7} \right) \right] \right\} \cdot \left(\frac{17}{6} + \frac{11}{4} - \frac{1}{3} \right) = \quad R = \frac{13}{4}$$

$$7) \left[\left(\frac{18}{5} + \frac{3}{4} - \frac{4}{15} \right) \div \left(\frac{11}{5} + \frac{7}{15} + \frac{1}{4} \right) \right] \div \left(-\frac{5}{3} + \frac{7}{6} - \frac{5}{4} \right) = \quad R = -\frac{4}{5}$$

$$8) \left\{ -\left(\frac{11}{3} + \frac{5}{6} \right) - \left[3 + \frac{7}{4} - \left(2 + \frac{9}{10} - \frac{7}{4} \right) - \left(\frac{41}{12} + \frac{1}{3} - \frac{7}{5} \right) \right] \right\} \div \left(2 + \frac{13}{6} + \frac{19}{12} \right) = \quad R = -1$$

$$9) \frac{\frac{1}{2} - \frac{4}{3}}{1 - \frac{1}{3} - \frac{1}{2}} = \quad R = -5$$

$$10) \frac{\left(\frac{5}{3} - \frac{5}{4} \right) \div \left(-\frac{5}{3} \right) - 12 \cdot \left(\frac{13}{20} - \frac{2}{3} \right)}{\left(1 + \frac{2}{5} \right) \cdot \left(\frac{13}{14} - \frac{3}{4} \right)} = \quad R = -\frac{1}{5}$$

$$11) \left(+\frac{1}{2} \right)^3 - \left(\frac{4}{3} - \frac{2}{15} \right)^2 \cdot \left(\frac{3}{2} - \frac{5}{3} - \frac{1}{4} \right)^2 + \left(-\frac{1}{3} - \frac{1}{2} \right) \cdot \left(2 - \frac{3}{2} \right)^2 = \quad R = -\frac{1}{3}$$

$$12) \frac{\left(\frac{1}{4} - \frac{5}{8} \right) \cdot \left(\frac{5}{6} - \frac{3}{2} \right)^3 + \frac{9}{4} \div \left(\frac{3}{2} - \frac{5}{6} \right)^2 + \left(\frac{1}{6} - \frac{2}{3} \right) \div \left(-\frac{3}{5} - \frac{3}{4} \right)}{\left[-\frac{5}{3} \div \left(\frac{2}{3} - \frac{3}{2} \right) - \frac{8}{9} \right] \cdot \left[\left(-\frac{2}{3} \right) \div \frac{6}{7} + \frac{1}{2} + \left(-\frac{3}{4} \right) \div \left(-\frac{15}{2} \right) \right] \div \left(-\frac{1}{3} \right)^2} = \quad R = \frac{10}{9}$$