

ESPRESSIONI NUMERICHE

$$\begin{aligned}
 1. \quad & \frac{\left[-\frac{5}{8} \left(-4 + \frac{1}{2} \right) (-7)^{-2} + (-2)^{-4} + \frac{3}{4} (+7)^{-1} \right] \left(-6 - \frac{2}{3} \right)}{4^{-1} \cdot \left(\frac{1}{2} - \frac{1}{3} \right) : (-5)^{-1} : \left[\left(-\frac{3}{2} \right)^2 + (-2)^{-3} \right] : \left(2 + \frac{3}{7} \right)^{-1}} = \\
 & = \frac{\left[-\frac{5}{8} \left(-\frac{7}{2} \right) \left(\frac{1}{7^2} \right) + \frac{1}{16} + \frac{3}{4} \cdot \frac{1}{7} \right] \left(-\frac{20}{3} \right)}{\frac{1}{4} \cdot \left(\frac{1}{6} \right) \cdot (-5) : \left[\frac{9}{4} - \frac{1}{8} \right] \cdot \left(\frac{17}{7} \right)} = \\
 & = \frac{\left[+\frac{5}{7 \cdot 16} + \frac{1}{16} + \frac{3}{28} \right] \left(-\frac{20}{3} \right)}{\frac{1}{24} \cdot (-5) \cdot \left(\frac{8}{17} \right) \cdot \left(\frac{17}{7} \right)} = \frac{\frac{24}{16 \cdot 7} \cdot \left(-\frac{20}{3} \right)}{-\frac{10}{42}} = \frac{10}{7} \cdot \frac{42}{10} = 6
 \end{aligned}$$

$$\begin{aligned}
 2. \quad & \frac{[(-2)^2 - (-2)^{-1}] \left[-2 - \left(-\frac{5}{2} \right)^{-1} \right]}{\frac{3}{(-2)^2} \cdot (-2)^{-2} \cdot (-2)^3} - (-5)^{-1} = \\
 & = \frac{\left(4 + \frac{1}{2} \right) \left[-2 + \frac{2}{5} \right]}{\frac{3}{-2}} + \frac{1}{5} = \frac{9}{2} \cdot \left(-\frac{8}{5} \right) \cdot \left(-\frac{2}{3} \right) + \frac{1}{5} = \frac{25}{5} = 5
 \end{aligned}$$

$$3. \quad \frac{2^{-1} + \frac{3}{2^2} \left(1 - \frac{1}{3} \right) - 2^{-2} : \left(1 - \frac{1}{4} \right)}{(-3)^{-3} (-3)^2 : (-3)^{-1} - \frac{2}{2^2 + 1} (2 + 2^{-1})} = \frac{\frac{1}{2} + \frac{3}{4} \left(\frac{2}{3} \right) - \frac{1}{4} \cdot \left(\frac{4}{3} \right)}{1 - \frac{2}{5} \cdot \frac{5}{2}} = \frac{1 - \frac{1}{3}}{0} \quad \text{NON ha significato}$$

$$4. \quad \frac{-5^2 \cdot \frac{-2^3 \cdot 2^{-2}}{3 - (-2)^3 : (-2)^2}}{(3^2 + 1)^2 \cdot 10^{-1} - (2^2 + 1) 2^{-3} (-2)^4} = \frac{-25 \cdot \frac{-2}{3 + 2}}{10^2 \cdot 10^{-1} - 5 \cdot 2} = \frac{10}{0} \quad \text{NON ha significato}$$