



namn: _____

Datum: _____ Poäng: _____

$$\frac{\left(\frac{3}{7}\right)^{-4} \cdot \left(\frac{3}{7}\right)^{-4} \cdot \left(\frac{3}{7}\right)^8 \cdot \left(\frac{3}{7}\right)^{-1}}{\left(\frac{3}{7}\right)^8 \cdot \left(\frac{3}{7}\right)^{-8}}$$

$$\frac{\left(\frac{1}{5}\right)^2 \cdot \left(\frac{1}{5}\right)^{11} \cdot \left(\frac{1}{5}\right)^9}{\left(\frac{1}{5}\right)^{-6}}$$

$$\left(\frac{4}{9}\right)^{11} \cdot \left(\frac{4}{9}\right)^{10} \cdot \left(\frac{4}{9}\right)^{-7}$$

$$\left(\frac{3}{5}\right)^{-4} \cdot \left(\frac{3}{5}\right)^2 \cdot \left(\frac{3}{5}\right)^{-6}$$

$$\left(\frac{1}{8}\right) \cdot \left(\frac{1}{8}\right)^3 \cdot \left(\frac{1}{8}\right)^5$$

$$\left(\frac{1}{7}\right)^{-3} \cdot \left(\frac{1}{7}\right)^2 \cdot \left(\frac{1}{7}\right)$$

$$\left(\frac{2}{7}\right)^{-7} \cdot \left(\frac{2}{7}\right)^2 \cdot \left(\frac{2}{7}\right)^{11}$$

$$\left(\frac{1}{5}\right)^6 \cdot \left(\frac{1}{5}\right)^{-3} \cdot \left(\frac{1}{5}\right)^{-5}$$

$$\left(\frac{4}{9}\right)^2 \cdot \left(\frac{4}{9}\right)^{-4} \cdot \left(\frac{4}{9}\right)^{-3}$$

$$\left(\frac{1}{6}\right)^{-10} \cdot \left(\frac{1}{6}\right)^{-8} \cdot \left(\frac{1}{6}\right)^2$$

$$\left(\frac{1}{2}\right)^{-5} \cdot \left(\frac{1}{2}\right)^{11} \cdot \left(\frac{1}{2}\right)^3$$

$$\left(\frac{1}{4}\right)^{11} \cdot \left(\frac{1}{4}\right)^{-1} \cdot \left(\frac{1}{4}\right)^2$$

$$\frac{\left(\frac{3}{5}\right)^2 \cdot \left(\frac{3}{5}\right)^{-10} \cdot \left(\frac{3}{5}\right)^{-1} \cdot \left(\frac{3}{5}\right)^5}{\left(\frac{3}{5}\right)^{-4} \cdot \left(\frac{3}{5}\right)^{-8}}$$

$$\frac{\left(\frac{3}{5}\right)^{-8} \cdot \left(\frac{3}{5}\right)^{10} \cdot \left(\frac{3}{5}\right)^{-10}}{\left(\frac{3}{5}\right)^{10}}$$

$$\frac{\left(\frac{1}{6}\right)^8 \cdot \left(\frac{1}{6}\right)^8 \cdot \left(\frac{1}{6}\right)^3 \cdot \left(\frac{1}{6}\right)^{-7}}{\left(\frac{1}{6}\right)^{-2} \cdot \left(\frac{1}{6}\right)^{-2}}$$



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$$\frac{\left(\frac{3}{7}\right)^{-4} \cdot \left(\frac{3}{7}\right)^{-4} \cdot \left(\frac{3}{7}\right)^8 \cdot \left(\frac{3}{7}\right)^{-1}}{\left(\frac{3}{7}\right)^8 \cdot \left(\frac{3}{7}\right)^{-8}}$$
$$\left(\frac{3}{7}\right)^{-1}$$

$$\frac{\left(\frac{1}{5}\right)^2 \cdot \left(\frac{1}{5}\right)^{11} \cdot \left(\frac{1}{5}\right)^9}{\left(\frac{1}{5}\right)^{-6}}$$
$$\left(\frac{1}{5}\right)^{28}$$

$$\left(\frac{4}{9}\right)^{11} \cdot \left(\frac{4}{9}\right)^{10} \cdot \left(\frac{4}{9}\right)^{-7}$$
$$\left(\frac{4}{9}\right)^{14}$$

$$\left(\frac{3}{5}\right)^{-4} \cdot \left(\frac{3}{5}\right)^2 \cdot \left(\frac{3}{5}\right)^{-6}$$
$$\left(\frac{3}{5}\right)^{-8}$$

$$\left(\frac{1}{8}\right) \cdot \left(\frac{1}{8}\right)^3 \cdot \left(\frac{1}{8}\right)^5$$
$$\left(\frac{1}{8}\right)^9$$

$$\left(\frac{1}{7}\right)^{-3} \cdot \left(\frac{1}{7}\right)^2 \cdot \left(\frac{1}{7}\right)$$
$$\left(\frac{1}{7}\right)^0$$

$$\left(\frac{2}{7}\right)^{-7} \cdot \left(\frac{2}{7}\right)^2 \cdot \left(\frac{2}{7}\right)^{11}$$
$$\left(\frac{2}{7}\right)^6$$

$$\left(\frac{1}{5}\right)^6 \cdot \left(\frac{1}{5}\right)^{-3} \cdot \left(\frac{1}{5}\right)^{-5}$$
$$\left(\frac{1}{5}\right)^{-2}$$

$$\left(\frac{4}{9}\right)^2 \cdot \left(\frac{4}{9}\right)^{-4} \cdot \left(\frac{4}{9}\right)^{-3}$$
$$\left(\frac{4}{9}\right)^{-5}$$

$$\left(\frac{1}{6}\right)^{-10} \cdot \left(\frac{1}{6}\right)^{-8} \cdot \left(\frac{1}{6}\right)^2$$
$$\left(\frac{1}{6}\right)^{-16}$$

$$\left(\frac{1}{2}\right)^{-5} \cdot \left(\frac{1}{2}\right)^{11} \cdot \left(\frac{1}{2}\right)^3$$
$$\left(\frac{1}{2}\right)^9$$

$$\left(\frac{1}{4}\right)^{11} \cdot \left(\frac{1}{4}\right)^{-1} \cdot \left(\frac{1}{4}\right)^2$$
$$\left(\frac{1}{4}\right)^{12}$$

$$\frac{\left(\frac{3}{5}\right)^2 \cdot \left(\frac{3}{5}\right)^{-10} \cdot \left(\frac{3}{5}\right)^{-1} \cdot \left(\frac{3}{5}\right)^5}{\left(\frac{3}{5}\right)^{-4} \cdot \left(\frac{3}{5}\right)^{-8}}$$
$$\left(\frac{3}{5}\right)^8$$

$$\frac{\left(\frac{3}{5}\right)^{-8} \cdot \left(\frac{3}{5}\right)^{10} \cdot \left(\frac{3}{5}\right)^{-10}}{\left(\frac{3}{5}\right)^{10}}$$
$$\left(\frac{3}{5}\right)^{-18}$$

$$\frac{\left(\frac{1}{6}\right)^8 \cdot \left(\frac{1}{6}\right)^8 \cdot \left(\frac{1}{6}\right)^3 \cdot \left(\frac{1}{6}\right)^{-7}}{\left(\frac{1}{6}\right)^{-2} \cdot \left(\frac{1}{6}\right)^{-2}}$$
$$\left(\frac{1}{6}\right)^{16}$$