$$\frac{[(|-1|-|-1|^3-|-1|^2)^2-2^{|-1|+|-1|^2+|-1|^3}]^{10}}{4} : \{[(-5)(+2)+(-7)(-2)]^4\}^2 = \frac{[(|-1|-|-1|^3-|-1|^3-|-1|^2)^2-2^{|-1|+|-1|^2+|-1|^3}]^{10}}{4} : \{[(-5)(+2)+(-7)(-2)]^4\}^2 = \frac{[(-5)(+2)+(-7)(-2)]^4}{4} = \frac{[(-5)(+2)+(-7)(-2)]^4}{4}$$

$$|-1|^2 = 1^2 = 1$$

$$|-1|^3 = 1^3 = 1$$

$$= \left[\left(1 - 1 - 1^{3} - 1^{2} \right)^{2} - 2^{1 + 1^{2} + 1^{3}} \right]^{10} : \left\{ \left[-10 + 14 \right]^{4} \right\}^{2} =$$

$$= \left[\left(1 - 4 - 1 - 1 \right)^{2} - 2^{3} \right]^{10} : \left\{ 4^{4} \right\}^{2} =$$

$$= \left[(-2)^2 - 2^3 \right]^{10} : 4^8 =$$

578
$$[(8 \cdot 45)^4 : (6 \cdot 25)^2] : (16 \cdot 27)^2 =$$

$$= \left[\left(2^{3} \cdot 5 \cdot 3^{2} \right)^{4} \cdot \left(2 \cdot 3 \cdot 5^{2} \right)^{27} \cdot \left(2 \cdot 3^{3} \right)^{2} = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{2} \cdot 3^{2} \cdot 5^{4} \right) \right] \cdot \left(2^{8} \cdot 3^{6} \right) = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{8} \cdot 3^{6} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{8} \cdot 3^{6} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{8} \cdot 3^{6} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{8} \cdot 3^{6} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{8} \cdot 3^{6} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{8} \cdot 3^{6} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{8} \cdot 3^{6} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{8} \cdot 3^{6} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{8} \cdot 3^{6} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{8} \cdot 3^{6} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{8} \cdot 3^{6} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{8} \cdot 3^{6} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{8} \cdot 3^{6} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{12} \cdot 3^{8} \cdot 5^{4} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{12} \cdot 3^{8} \cdot 5^{4} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{12} \cdot 3^{8} \cdot 5^{4} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{12} \cdot 3^{8} \cdot 5^{4} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{12} \cdot 3^{8} \cdot 5^{4} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{12} \cdot 3^{8} \cdot 5^{4} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \right) \cdot \left(2^{12} \cdot 3^{8} \cdot 5^{4} \cdot 3^{8} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \cdot 5^{4} \cdot 3^{8} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \cdot 5^{4} \cdot 3^{8} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \cdot 5^{4} \cdot 3^{8} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \cdot 5^{4} \cdot 3^{8} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \cdot 5^{4} \cdot 3^{8} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \cdot 5^{4} \cdot 3^{8} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \cdot 5^{4} \cdot 3^{8} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \cdot 5^{4} \cdot 3^{8} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \cdot 5^{4} \cdot 3^{8} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot 3^{8} \cdot 5^{4} \cdot 3^{8} \right) \right] = \left[\left(2^{12} \cdot 5^{4} \cdot$$

579
$$[(40 \cdot 49)^2 \cdot 35 \cdot 18] : (280 \cdot 21)^2 =$$

$$= \left[\left(2^{3} \cdot 5 \cdot 7^{2} \right)^{2} \cdot 7 \cdot 5 \cdot 3^{2} \cdot 3^{2} \cdot \left(7 \cdot 2^{3} \cdot 5 \cdot 7 \cdot 3 \right)^{2} \right]$$

$$\{ [(-2)^{|5-15|} : (-2)^{|8-15|} - (-3)^{18} : (-3)^{15} - (-55)^{0}] : (-9) \}^{17} : (-2)^{14}$$

$$= \left\{ \left[(-2)^{1-101} \cdot (-2)^{1-71} - (-3)^3 - 1 \right] : (-9)^{17} \cdot 2^{14} \right\}$$

$$= \left\{ \left[(-2)^{10} : (-2)^{7} - (-27) - 1 \right] : (-9) \right\}^{17} : 2 =$$

$$\{ [(-2)^{|5-15|} : (-2)^{|8-15|} - (-3)^{18} : (-3)^{15} - (-55)^{0}] : (-9) \}^{17} : (-2)^{14} =$$

$$= \left\{ \begin{bmatrix} (-2)^{1-10} & (-2)^{1-71} & (-3)^3 & -1 \end{bmatrix} : (-9)^{17} & ($$

$$= \left\{ \left[(-2)^{10} : (-2)^{7} - (-27) - 1 \right] : (-9) \right\}^{17} : 2^{14} =$$

$$= \left\{ \left[(-2)^3 + 27 - 1 \right] : (-9) \right\}^{12} : 2 =$$

$$= \left\{ \left[-8 + 27 - 1 \right] : (-9) \right\}^{17} : 2 =$$

$$= \left\{ 18: (-9) \right\}^{17} : 2^{14} = \left\{ -2 \right\}^{17} : 2^{14} = \left\{ -2 \right\}^{17} = 2^{14}$$