

$$\left(\frac{a}{b}\right)^m = \frac{a^m}{b^m} \quad (m, n \text{ are natural numbers.})$$

m, n 이 자연수일 때, $\left(\frac{a}{b}\right)^m = \frac{a^m}{b^m}$

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$$= \frac{\overbrace{a \times \cdots \times a}^m}{\underbrace{b \times \cdots \times b}_m}$$

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$$\begin{aligned} \left(\frac{a}{b}\right)^m &= \underbrace{\frac{a}{b} \times \cdots \times \frac{a}{b}}_m \\ &= \frac{\overbrace{a \times \cdots \times a}^m}{\underbrace{b \times \cdots \times b}_m} = \frac{a^m}{b^m} \end{aligned}$$

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