

$$\left(\frac{a}{b}\right)^n = \frac{a^n}{b^n} \quad (n \text{ is natural number.})$$

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$$= \frac{\overbrace{a \times \cdots \times a}^n}{\underbrace{b \times \cdots \times b}_n}$$

$$\left(\frac{a}{b}\right)^n = \frac{a^n}{b^n} \text{ (} n \text{ is natural number.)}$$

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END