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 (*n* is a natural number.)

$$n$$
이 자연수일 때, $\left(\frac{a}{b}\right)^n = \frac{a^n}{b^n}$ $\left(\left(\frac{a}{b}\right)^n = \frac{a^n}{b^n}\right)$ ($\left(\frac{a}{b}\right)^n = \frac{a^n}{b^n}$ (n is a natural number.))

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$$= \underbrace{\frac{a \times \dots \times a}{b \times \dots \times b}}_{n} = \underbrace{\frac{a^n}{b^n}}_{n}$$

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