

$$(a^m)^n = a^{mn} \text{ (} m, n \text{ are natural numbers.)}$$

m, n 이 자연수일 때, $(a^m)^n = a^{mn}$
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▶ Start

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$$(a^m)^n = \underbrace{(a \times \cdots \times a)}_m^n$$

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$$\begin{aligned}(a^m)^n &= \underbrace{(a \times \cdots \times a)}_m^n \\ &= \underbrace{(a \times \cdots \times a)}_m \times \cdots \times \underbrace{(a \times \cdots \times a)}_m\end{aligned}$$

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END