분모(
$$\sqrt{a}$$
)의 유리화
(Rationalization of Denominator(\sqrt{a}))

Rationalization of Denominator(\sqrt{a})

$$\frac{\sqrt{a}}{\sqrt{b}}$$

$$\frac{\sqrt{a}}{\sqrt{b}} = \frac{\sqrt{a}\sqrt{b}}{\sqrt{b}\sqrt{b}}$$

$$\frac{\sqrt{a}}{\sqrt{b}} = \frac{\sqrt{a}\sqrt{b}}{\sqrt{b}\sqrt{b}} = \frac{\sqrt{a}\sqrt{b}}{b}$$

$$\frac{\sqrt{a}}{\sqrt{b}} = \frac{\sqrt{a}\sqrt{b}}{\sqrt{b}\sqrt{b}} = \frac{\sqrt{a}\sqrt{b}}{b}$$
$$= \frac{\sqrt{ab}}{b}$$

$$\frac{\sqrt{a}}{\sqrt{b}} = \frac{\sqrt{a}\sqrt{b}}{\sqrt{b}\sqrt{b}} = \frac{\sqrt{a}\sqrt{b}}{b}$$
$$= \frac{\sqrt{ab}}{b}$$

. .

$$\frac{\sqrt{a}}{\sqrt{b}} = \frac{\sqrt{a}\sqrt{b}}{\sqrt{b}\sqrt{b}} = \frac{\sqrt{a}\sqrt{b}}{b}$$
$$= \frac{\sqrt{ab}}{b}$$

$$\therefore \frac{\sqrt{a}}{\sqrt{b}} = \frac{\sqrt{ab}}{b} \ (a > 0, b > 0)$$

$$\frac{\sqrt{a}}{\sqrt{b}} = \frac{\sqrt{a}\sqrt{b}}{\sqrt{b}\sqrt{b}} = \frac{\sqrt{a}\sqrt{b}}{b}$$
$$= \frac{\sqrt{ab}}{b}$$

$$\therefore \frac{\sqrt{a}}{\sqrt{b}} = \frac{\sqrt{ab}}{b} \ (a > 0, b > 0)$$

YouTube: https://youtu.be/DO_pZELB_B0

Click or paste URL into the URL search bar, and you can see a picture moving.