분모
$$(\sqrt{a} - \sqrt{b}, \sqrt{a} + \sqrt{b})$$
의 유리화
(Rationalization of Denominator $(\sqrt{a} - \sqrt{b}, \sqrt{a} + \sqrt{b})$)

$$\frac{1}{\sqrt{a} - \sqrt{b}}$$

$$\frac{1}{\sqrt{a} - \sqrt{b}} = \frac{\sqrt{a} + \sqrt{b}}{(\sqrt{a} - \sqrt{b})(\sqrt{a} + \sqrt{b})}$$

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

 $\frac{1}{\sqrt{a}+\sqrt{b}}$

$$\frac{1}{\sqrt{a} - \sqrt{b}} = \frac{\sqrt{a} + \sqrt{b}}{(\sqrt{a} - \sqrt{b})(\sqrt{a} + \sqrt{b})}$$
$$= \frac{\sqrt{a} + \sqrt{b}}{a - b}$$

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$$\therefore \frac{1}{\sqrt{a} + \sqrt{b}} = \frac{\sqrt{a} \mp \sqrt{b}}{a - b} \quad (a > 0, b > 0, a \neq b)$$

$$\frac{1}{\sqrt{a} - \sqrt{b}} = \frac{\sqrt{a} + \sqrt{b}}{(\sqrt{a} - \sqrt{b})(\sqrt{a} + \sqrt{b})}$$

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$$\therefore \frac{1}{\sqrt{a} + \sqrt{b}} = \frac{\sqrt{a} \mp \sqrt{b}}{a - b} \quad (a > 0, b > 0, a \neq b)$$

YouTube: https://youtu.be/W_sLBxR6RVg

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