

$$\frac{1}{x} \cdot \frac{x}{4} = \frac{1}{4}$$

$$\frac{1}{2} \cdot \frac{1 \times 2}{4x} = \frac{1}{4x}$$

$$\frac{1}{x} \cdot \frac{x}{4} = \frac{1}{4}$$

$$\frac{1}{2} \cdot \frac{1}{4x+2} = \frac{1}{2 \times 4x}$$

$$= \frac{x}{4} \cdot \frac{1}{4x+2} = \frac{8x \times x}{4x+2}$$

$$\frac{x}{4} \cdot \frac{1}{4x+2} = \frac{8x^2}{4x+2}$$

$$= \frac{x \times (4x^2 + 2x)}{4 \times (4x+2-8x^2)}$$

$$\frac{1}{x} \cdot \frac{x}{4} = \frac{1}{4}$$

$$\frac{1}{2} \cdot \frac{1}{4x+2} = \frac{1}{8x}$$

$$= \frac{x}{4} \cdot \frac{1}{4x+2} = \frac{8x \times x}{x \times (4x+2)}$$

$$= \frac{x}{4} \times \frac{4x^2 + 2x}{4x+2-8x^2}$$

$$= \frac{4x^3 + 2x^2}{8x + 8 - 32x^2}$$