$$\frac{1}{x} < 1 + 4 \times^2 - 4 \times$$

$$\left(\times < \frac{1}{2} \right)$$

$$\frac{1}{x}$$
 < 1 + 4 × 2 - 4 ×

$$4 \times^{2} - 4 \times + 1 - \frac{1}{\times} > 0$$

$$4\times^3-4\times^2+\times-1$$

$$\frac{(x-1)(4x^{2}+1)}{(4x^{2}+1)} > 0 \Rightarrow \frac{1}{x} > 0 \Rightarrow \frac{1}$$

V

$$2\times-1>\frac{1}{\sqrt{x}}$$

$$\frac{1}{x} < 4x^2 + 1 - 4x$$

$$\left(\times \right) \frac{1}{2}$$

$$\frac{1}{x} < 4x^2 + 1 - 4x$$

$$4 \times^{2} (x-1) + (x-1)$$

$$\frac{4\times^{2}(\times-1)+(\times-1)}{\times}>0$$









