$$\frac{\sum 26: \int (x) = ax + b + \frac{c}{x} + a(\frac{1}{x})}{1 + \frac{c}{x} + \frac{d}{x^{2}}} \cdot \frac{1}{3x} \cdot \frac{d}{3x} \cdot \frac{d}{3x} \cdot \frac{d}{x^{2}} + o(\frac{d}{x^{2}})}{1 + \frac{c}{x} + \frac{d}{x^{2}}} = \frac{1}{3x} \cdot \frac{d}{3x} \cdot \frac{d}{3x} \cdot \frac{d}{x^{2}} + o(\frac{d}{x^{2}})$$

$$= x - \frac{2}{3} - \frac{d}{3x} + o(\frac{1}{x})$$

$$N(x) = \sqrt{2^{2}} \sqrt{A + \frac{1}{x} + \frac{1}{x^{2}}} = 1 \times 1 \cdot \left(A + \frac{1}{x} + \frac{1}{x^{2}}\right)^{\frac{1}{2}} - x \cdot \left(A + \frac{1}{2x^{2}} + \frac{1}{3x^{2}} + o(\frac{1}{x^{2}})\right)$$

$$= -x - \frac{1}{2} + \frac{9}{8x} + o(\frac{1}{x})$$

$$\int (x) = u(x) - N(x) = 2x - \frac{1}{6} - \frac{74}{32x} + o(\frac{1}{x})$$

$$asymptote < 0$$

$$2) = x + o(\frac{1}{x})$$

$$A = \int (x) = -\frac{1}{6} - \frac{5}{32x} + o(\frac{1}{x})$$

$$asymptote < 0$$