$$f(x) = x + 3 - \frac{4}{x^3} = x + 3 - 4 x^{-3}$$

$$F(x) = \frac{x^2}{2} + 3x - 4 \frac{x^{-3+1}}{-3+1} + C =$$

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

$$= \frac{x^2}{2} + 3x + \frac{2}{x^2} + C$$

f	F
×	x"+1
n ≠ -1	n+1

$$f(x) = x(x^2 + 1)^2$$

$$u = x^2 + L$$
 $u' = 2x$

$$f(x) = \frac{1}{2} 2 \times (x^2 + 1)^2 = \frac{1}{2} u' u^2$$

$$F(x) = \frac{1}{2} \left(\frac{x^2 + 1}{3} \right)^3$$

4	F
44	unti
	N+1

$$\frac{E \times 38}{f(x)} = \frac{2e^{x}}{e^{x} + 1} = 2 \frac{e^{x}}{e^{x} + 1}$$

$$u = e^{x} + 1$$
 $u' = e^{x}$

$$f(x) = 2 \frac{u'}{u}$$

f	F
44	In(u)