Exercise 7

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$a \gtrsim b \lesssim c$
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$\frac{a}{b}$
$\frac{\frac{a}{b}}{\frac{c+d}{d+e}}$
$F = G_N \frac{m_1 m_2}{r^2}$
$n \pm (E,T) = \frac{1}{e^{\frac{E}{k_B T}} \pm 1} = \frac{1}{e^{\hbar\omega / k_B T} \pm 1}$
$F\mu = [D_\mu, D_v] = \partial_\mu A_v - \partial_V A_\mu = \partial_{[\mu} A_{v]}$

$$\frac{df}{dt}$$

$$\frac{\partial f}{\partial t}$$

$$\int f(x)dx, \sum x_n, \prod \omega_k \int_0^1 f(x)dx, \sum_{n=0}^{7} x_n, \prod_1^{10} \omega_k$$

$\int_0^1 f(x)dx, \sum_{n=0}^{7} x_n, \prod_1^{10} \omega_k$

Taylor expansion $e^x = \sum_{\infty}^{b} \frac{1}{n!} x^n$.

$$\int_0^1 \frac{df}{dx} = f(1) - f(0)$$

$$e^{\zeta(s)} = \prod_{n=1}^{\infty} e^(1/n^s)$$