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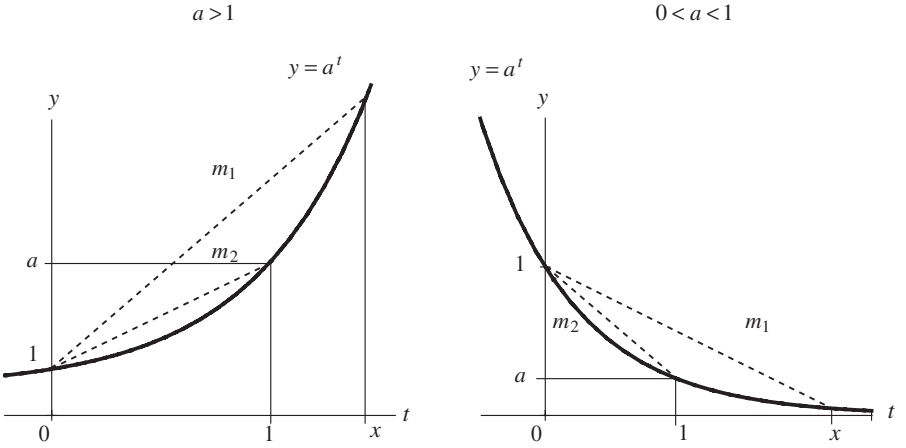
Proof Without Words: Bernoulli's Inequality

If $a > 0$, $a \neq 1$, and $x > 1$, then $a^x - 1 > x(a-1)$.



$$m_1 > m_2 \Rightarrow \frac{a^x - 1}{x} > a - 1.$$

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