## Clase repard

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(an) n succión

lim 
$$\frac{|a_{n+1}|}{|a_{n}|} < 1 \Rightarrow \lim_{n \to \infty} \sqrt{|a_{n}|} < 1$$

1) 
$$\int_0^\infty t^{x-1} e^{-t} dt = \int (x)$$

$$t^{*-1} e^{-t} dt = 1$$

$$e^{-t} dt = 1$$

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 $T(x) = \int_0^1 t^{x-1} e^{-t} dt + \int_1^\infty t^{x-1} e^{-t} dt$ 

$$\lim_{t \to \infty} \frac{t^{x-1}}{e^{-t}} = \lim_{t \to \infty} t^{x-1} = 0 \quad c = 0$$

$$\int_{1}^{\infty} e^{t} dt cv \Rightarrow I_{2}cv \left(0 \leq x \leq 1\right)$$

$$\lim_{\epsilon \to \infty} \frac{t^{x-1}}{\epsilon^{-1}} e^{-t} = \lim_{\epsilon \to \infty} \frac{t^{x+1}}{\epsilon^{+1}} = 0$$

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$$\int_{1}^{\infty} t^{-2} dt \underbrace{CV} \Longrightarrow \int_{1}^{\infty} t^{x-1} e^{-t} dt$$

$$\underbrace{CV}_{1}$$

$$\underbrace{V}_{1} \times CIR$$

$$\underbrace{V}_{2} \times CIR$$

$$\underbrace{V}_{3} \times CIR$$

$$\underbrace{V}_{4} \times CIR$$

$$\underbrace{V}_{3} \times CIR$$

$$\underbrace{V}_{4} \times CIR$$

$$t^{x-1} \cdot e^{-t} \leq t^{x-1}$$

$$= \int_0^1 t^{x-1} dt = \int_0^1 \frac{1}{t^{1-x}} dt cu$$

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$$C = \int_{0}^{1} t^{x-1} dt = \int_{0}^{1} \frac{1}{t^{1-x}} dt cv$$

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