

TÁBOA DE INTEGRAIS INMEDIATAS

$\int x^n \cdot dx = \frac{x^{n+1}}{n+1} + C \quad [\text{se } n \neq -1]$	$\int [f(x)]^n \cdot f'(x) \cdot dx = \frac{[f(x)]^{n+1}}{n+1} + C \quad [\text{se } n \neq -1]$
$\int \frac{1}{x} \cdot dx = L x + C$	$\int \frac{f'(x)}{f(x)} \cdot dx = L f(x) + C$
$\int e^x \cdot dx = e^x + C$	$\int e^{f(x)} \cdot f'(x) \cdot dx = e^{f(x)} + C$
$\int a^x \cdot La \cdot dx = a^x + C$	$\int a^{f(x)} \cdot f'(x) \cdot La \cdot dx = a^{f(x)} + C$
$\int \text{sen } x \cdot dx = -\text{cos } x + C$	$\int \text{sen } f(x) \cdot f'(x) \cdot dx = -\text{cos } f(x) + C$
$\int \text{cos } x \cdot dx = \text{sen } x + C$	$\int \text{cos } f(x) \cdot f'(x) \cdot dx = \text{sen } f(x) + C$
$\int \text{sec}^2 x \cdot dx = \text{tag } x + C$	$\int \text{sec}^2 f(x) \cdot f'(x) \cdot dx = \text{tag } f(x) + C$
$\int \text{cosec}^2 x \cdot dx = -\text{cotg } x + C$	$\int \text{cosec}^2 f(x) \cdot f'(x) \cdot dx = -\text{cotag } f(x) + C$
$\int \text{sec } x \cdot \text{tag } x \cdot dx = \text{sec } x + C$	$\int \text{sec } f(x) \cdot \text{tag } f(x) \cdot f'(x) \cdot dx = \text{sec } f(x) + C$
$\int \text{cosec } x \cdot \text{cotg } x \cdot dx = -\text{cosec } x + C$	$\int \text{cosec } f(x) \cdot \text{cotag } f(x) \cdot f'(x) \cdot dx = -\text{cosec } f(x) + C$
$\int \frac{dx}{\sqrt{1-x^2}} = \text{arcsen } x + C$	$\int \frac{f'(x)}{\sqrt{1-[f(x)]^2}} \cdot dx = \text{arcsen } f(x) + C$
$\int \frac{dx}{1+x^2} = \text{arctag } x + C$	$\int \frac{f'(x)}{1+[f(x)]^2} \cdot dx = \text{arctag } f(x) + C$
$\int \text{sec } x \cdot dx = L \text{sec } x + \text{tag } x + C$	$\int \text{sec } f(x) \cdot f'(x) \cdot dx = L \text{sec } f(x) + \text{tag } f(x) + C$
$\int \text{cosec } x \cdot dx = -L \text{cosec } x + \text{cotag } x + C$	$\int \text{cosec } f(x) \cdot f'(x) \cdot dx = -L \text{cosec } f(x) + \text{cotag } f(x) + C$
$\int \text{tag } x \cdot dx = -L \text{cos } x + C$	$\int \text{tag } f(x) \cdot f'(x) \cdot dx = -L \text{cos } f(x) + C$
$\int \text{cotg } x \cdot dx = L \text{sen } x + C$	$\int \text{cotg } f(x) \cdot f'(x) \cdot dx = L \text{sen } f(x) + C$