TABLA DE INTEGRALES INMEDIATAS

$\int dx = x + c$	
$\int k\ dx = kx + c$	
$\int x^n\ dx = \frac{x^{n+1}}{n+1} + c \quad (n \neq -1)$	$\int (f(x))^n f'(x)\ dx = \frac{f(x)^{n+1}}{n+1} + c \qquad (n \neq -1)$
$\int \frac{dx}{x} = \ln\lvert x\rvert + c$	$\int \frac{f'(x)}{f(x)}\ dx = \ln\lvert f(x)\rvert + c$
$\int e^x\ dx = e^x + c$	$\int e^{f(x)}.f'(x)\ dx = e^{f(x)} + c$
$\int a^x dx = \frac{a^x}{\ln\ a} + c$	$\int a^{f(x)}.f'(x)\ dx = \frac{a^{f(x)}}{\ln a} + c$
$\int sen\ x\ dx = -\cos x + c$	$\int sen\, f(x) \cdot f'(x)\ dx = -\cos f(x) + c$
$\int \cos\ x\ dx = \text{sen}\ x + c$	$\int \cos f(x) \cdot f'(x)\ dx = \text{sen}\, f(x) + c$
$\int \frac{1}{\cos^2 x}\ dx = \text{tg}\ x + c$	$\int \frac{f'(x)}{\cos^2 f(x)}\ dx = \text{tg}\, f(x) + c$
$\int (1 + \text{tg}^2 x)\ dx = \text{tg}\ x + c$	$\int (1 + tg^2 f(x)) f'(x)\ dx = \text{tg}\, f(x) + c$
$\int -\frac{1}{sen^2 x}\ dx = \text{cotg}\ x + c$	$\int -\frac{f'(x)}{sen^2 f(x)}\ dx = \text{cotg}\, f(x) + c$
$\int (-1 - \cot g^2\ x)\ dx = \text{cotg}\ x + c$	$\int (-1 - \cot ag^2 f(x)).f'(x)\ dx = \text{cotg}\, f(x) + c$
$\int \frac{sen\ x}{\cos^2\ x}\ dx = \sec x + c$	$\int \frac{f'(x).sen\, f(x)}{\cos^2 f(x)}\ dx = \sec f(x) + c$
$\int -\frac{\cos\ x}{sen^2\ x}\ dx = \text{co sec}\ x + c$	$\int -\frac{f'(x).\cos f(x)}{sen^2 f(x)}\ dx = \text{co sec}\, f(x) + c$

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$\int \frac{1}{\sqrt{1-x^2}}\,dx = \text{arc sen } x + c$	$\int \frac{f'(x)}{\sqrt{1-f^2(x)}}\,dx = \text{arc sen } f(x) + c$
$\int -\frac{1}{\sqrt{1-x^2}}\,dx = \text{arc cos } x + c$	$\int -\frac{f'(x)}{\sqrt{1-f^2(x)}}\,dx = \text{arc cos } f(x) + c$
$\int \frac{1}{1+x^2}\,dx = \text{arc tg } x + c$	$\int \frac{f'(x)}{1+f^2(x)}\,dx = \text{arc tg } f(x) + c$