TAULA D'INTEGRALS

Propietats	
Integral de la suma/resta de funcions	$\int \big(f(x) \pm g(x)\big)\,dx = \int f(x)\,dx \pm \int g(x)\,dx$
Integral d'una constant per una funció	$\int k \cdot f(x)\,dx = k \cdot \int f(x)\,dx$

Integrals immediates	Integrals quasiimmediates
$\int k\,dx = kx + C$	
$\int x^n\,dx = \frac{x^{n+1}}{n+1} + C$	$\int f(x)^n \cdot f'(x)\,dx = \frac{f(x)^{n+1}}{n+1} + C$
$\int e^x\,dx = e^x + C$	$\int e^{f(x)} \cdot f'(x)\,dx = e^{f(x)} + C$
$\int a^x\,dx = \frac{a^x}{\ln a} + C$	$\int a^{f(x)} \cdot f'(x)dx = \frac{a^{f(x)}}{\ln a} + C$
$\int \frac{1}{x}dx = \ln\lvert x\rvert + C$	$\int \frac{f'(x)}{f(x)}dx = \ln\lvert f(x)\rvert + C$
$\int \sin x\,dx = -\cos x + C$	$\int \sin f(x) \cdot f'(x)dx = -\cos f(x) + C$
$\int \cos x\,dx = \sin x + C$	$\int \cos f(x) \cdot f'(x)dx = \sin f(x) + C$
$\int \frac{1}{\cos^2 x}\,dx = \operatorname{tg} x + C$	$\int \frac{f'(x)}{\cos^2 f(x)}\,dx = \operatorname{tg} f(x) + C$
$\int \frac{1}{\sqrt{1-x^2}}\,dx = arcsin\, x + C$	$\int \frac{f'(x)}{\sqrt{1-f(x)^2}}\,dx = arcsin\, f(x) + C$
$\int \frac{-1}{\sqrt{1-x^2}}\,dx = arccos\, x + C$	$\int \frac{-f'(x)}{\sqrt{1-f(x)^2}}\,dx = arccos\, f(x) + C$
$\int \frac{1}{1+x^2}\,dx = arctg\, x + C$	$\int \frac{f'(x)}{1+f(x)^2}\,dx = arctg\, f(x) + C$

Integració per canvi de variable
$\int f(x)\,dx = \int f\big(g(t)\big) \cdot g'(t)\,dt$

Integració per parts
$\int u\,dv = u \cdot v - \int v\,du$

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