Tabelle di primitive

Funzione	Primitiva
k (cost.)	kx
$x^\alpha,\ \alpha \neq -1$	$\dfrac{x^{\alpha+1}}{\alpha+1}$
x^{-1}	$\log \lvert x \rvert$
$\operatorname{sen} x$	$-\cos x$
$\cos x$	$\operatorname{sen} x$
a^x	$\dfrac{a^x}{\log a}$

Funzione	Primitiva
$\dfrac{1}{\cos^2 x} = 1 + \operatorname{tg}^2 x$	$\operatorname{tg} x$
$\dfrac{1}{\operatorname{sen}^2 x} = 1 + \operatorname{cotg}^2 x$	$-\operatorname{cotg} x$
$\dfrac{x}{x^2+k}$	$\dfrac{1}{2}\log \lvert x^2+k \rvert$
$\dfrac{1}{x^2+k^2},\ k \neq 0$	$\dfrac{1}{k}\operatorname{arctg}\dfrac{x}{k}$
$\dfrac{1}{\sqrt{k^2-x^2}},\ k > 0$	$\operatorname{arcsen}(\dfrac{x}{k})$
$\dfrac{1}{\sqrt{k+x^2}},\ k \neq 0$	$\log \lvert x + \sqrt{x^2+k} \rvert$

Tabella 1

Funzione	Primitiva
$f(x)^\alpha f'(x),\ \alpha \neq -1$	$\dfrac{f(x)^{\alpha+1}}{\alpha+1}$
$\dfrac{f'(x)}{f(x)}$	$\log \lvert f(x) \rvert$
$f'(x)\cos f(x)$	$\operatorname{sen} f(x)$
$f'(x)\operatorname{sen} f(x)$	$-\cos f(x)$
$f'(x)a^{f(x)}$	$\dfrac{a^{f(x)}}{\log a}$

Funzione	Primitiva
$\dfrac{f'(x)}{\cos^2 f(x)}$	$\operatorname{tg} f(x)$
$\dfrac{f'(x)}{\operatorname{sen}^2 f(x)}$	$-\operatorname{cotg} f(x)$
$\dfrac{f'(x)}{\sqrt{1-f(x)^2}}$	$\operatorname{arcsen} f(x)$
$\dfrac{f'(x)}{1+f(x)^2}$	$\operatorname{arctg} f(x)$
$\dfrac{f'(x)}{\sqrt{1+f(x)^2}}$	$\log \lvert f(x) + \sqrt{1+f(x)^2} \rvert$

Tabella 2