PRIMITIVAÇÃO

ALGUMAS SUBSTITUIÇÕES ACONSELHADAS

Função com	$x = \varphi(t)$	$\varphi'(t)$	$t = \varphi^{-1}(x)$
$\sqrt{ax+b}$	$\frac{t^2-b}{a}$	$\frac{2t}{a}$	$\sqrt{ax+b}$
$\sqrt{a^2-x^2}$	$a\ sent$	$a\cos t$	$arcsen\left(\frac{x}{a}\right)$
$\sqrt{a^2+x^2}$	$a\ tg\ t$	$a\sec^2 t = \frac{a}{\cos^2 t}$	$arctg\left(\frac{x}{a}\right)$
e^x	$ln\ t$	$\frac{1}{t}$	e^x
$\ln x$ e $\frac{1}{x}$ a multiplicar	e^t	e^t	lnx
$sen\ x$ e $\cos x$ a multiplicar	$arc\ sen\ t$	$\frac{1}{\sqrt{1-t^2}}$	$sen\ x$
$\cos\ x$ e $sen\ x$ a multiplicar	$arc\ \cos\ t$	$-\frac{1}{\sqrt{1-t^2}}$	$\cos\ x$
$sen\ x$ e $\cos x$	$2arctg\ t$	$\frac{2}{1+t^2}$	$tg\ \frac{x}{2}$
$tg\ x$	$arctg\ t$	$\frac{1}{1+t^2}$	$tg\ x$
$cotgx$	$arc\cot g\ t$	$-\frac{1}{1+t^2}$	$cotgx$
$x, \left(\frac{ax+b}{cx+d}\right)^{\frac{p_1}{q_1}}, \ldots, \left(\frac{ax+b}{cx+d}\right)^{\frac{p_n}{q_n}}$	$\frac{dt^q-b}{a-ct^q}$, com $q = m.m.c\left(\frac{p_1}{q_1}, \ldots, \frac{p_n}{q_n}\right)$	$\frac{(ad-bc)\,qt^{q-1}}{(a-ct^q)^2}$	$\sqrt[q]{\frac{ax+b}{cx+d}}$