

> restart		
> f:= 1	$f:= 1$	(1)
> with(inttrans)		
[addtable, fourier, fouriercos, fouriersin, hankel, hilbert, invfourier, invhilbert, invlaplace, invmellin, laplace, mellin, savetable]		(2)
> F := laplace(f, t, s)	$F:= \frac{1}{s}$	(3)
> g := t	$g:= t$	(4)
> G := laplace(g, t, s)	$G:= \frac{1}{s^2}$	(5)
> gg := invlaplace(G, s, t)	$gg:= t$	(6)
> h := x <sup>2</sup>	$h:= x^2$	(7)
> H := laplace(h, x, s)	$H:= \frac{2}{s^3}$	(8)
> HH := laplace(h, x, p)	$HH:= \frac{2}{p^3}$	(9)
> ff:= exp(a·t)	$ff:= e^{at}$	(10)
> FF := laplace(ff, t, s)	$FF:= \frac{1}{s-a}$	(11)
> ggg := cos(b·t)	$ggg:= \cos(b\ t)$	(12)
> GGG := laplace(ggg, t, s)	$GGG:= \frac{s}{b^2+s^2}$	(13)
> hhh := sin(b·t)	$hhh:= \sin(b\ t)$	(14)
> HHH := laplace(hhh, t, s)	$HHH:= \frac{b}{b^2+s^2}$	(15)
> restart		
> Ecua := y''-5·y'+6·y=0		(16)

$$Ecua := \frac{d^2}{dx^2} y(x) - 5 \left( \frac{d}{dx} y(x) \right) + 6 y(x) = 0 \quad (16)$$

$$\begin{aligned} &> Cond := y(0) = 2, D(y)(0) = -3 \\ &Cond := y(0) = 2, D(y)(0) = -3 \end{aligned} \quad (17)$$

$$\begin{aligned} &> SolPart := dsolve(\{Ecua, Cond\}) \\ &SolPart := y(x) = 9 e^{2x} - 7 e^{3x} \end{aligned} \quad (18)$$

> restart

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