

> restart		
> with(inttrans)		
[addtable, fourier, fouriercos, fouriersin, hankel, hilbert, invfourier, invhilbert, invlaplace, invmellin, laplace, mellin, savetable, setup]		(1)
> f := 1	$f := 1$	(2)
> F := laplace(f, t, s)	$F := \frac{1}{s}$	(3)
> g := exp(a·t)	$g := e^{a \cdot t}$	(4)
> G := laplace(g, t, s)	$G := \frac{1}{s - a}$	(5)
> h := t	$h := t$	(6)
> H := laplace(h, t, s)	$H := \frac{1}{s^2}$	(7)
> j := t ²	$j := t^2$	(8)
> J := laplace(j, t, s)	$J := \frac{2}{s^3}$	(9)
> k := t ³	$k := t^3$	(10)
> K := laplace(k, t, s)	$K := \frac{6}{s^4}$	(11)
> l := cos(b·t)	$l := \cos(b \cdot t)$	(12)
> L := laplace(l, t, s)	$L := \frac{s}{b^2 + s^2}$	(13)
> m := sin(b·t)	$m := \sin(b \cdot t)$	(14)
> M := laplace(m, t, s)	$M := \frac{b}{b^2 + s^2}$	(15)

	> $N := \frac{1}{(s-5)^2}$		
=			
	> $n := \text{invlaplace}(N, s, t)$		
=			
	> $p := \exp(2 \cdot t) \cdot \cos(5 \cdot t)$		
=			
	> $P := \text{laplace}(p, t, s)$		
=			
	> $k := \exp(2 \cdot t) \cdot \sin(5 \cdot t)$		
=			
	> $K := \text{laplace}(k, t, s)$		
=			
	>		

$$N := \frac{1}{(s-5)^2} \quad (16)$$

$$n := t e^{5 t} \quad (17)$$

$$p := e^{2 t} \cos(5 t) \quad (18)$$

$$P := \frac{s-2}{(s-2)^2+25} \quad (19)$$

$$k := e^{2 t} \sin(5 t) \quad (20)$$

$$K := \frac{5}{(s-2)^2+25} \quad (21)$$