TABLA DE LA TRANSFORMADA DE LAPLACE

	$f(t) = \mathcal{L}^{-1}[F(s)]$, $t \geq 0$	$F(s) = \mathcal{L}[f(t)] = \int_0^\infty e^{-st} f(t) dt$
1	$af(t) + bg(t)$	$aF(s) + bG(s)$
2	1	$\dfrac{1}{s}$
3	t	$\dfrac{1}{s^2}$
4	t^n	$\dfrac{n!}{s^{n+1}}$, $n \in \mathbb{N}$
5	$\cos(at)$	$\dfrac{s}{s^2 + a^2}$
6	$\operatorname{sen}(at)$	$\dfrac{a}{s^2 + a^2}$
7	$\cosh(at)$	$\dfrac{s}{s^2 - a^2}$
8	$\operatorname{senh}(at)$	$\dfrac{a}{s^2 - a^2}$
9	e^{at}	$\dfrac{1}{s - a}$
10	te^{at}	$\dfrac{1}{(s - a)^2}$
11	$f'(t)$	$sF(s) - f(0)$
12	$f''(t)$	$s^2 F(s) - sf(0) - f'(0)$
13	$f^{(n)}(t)$	$s^n F(s) - s^{n-1} f(0) - s^{n-2} f'(0) - \ldots - f^{(n-1)}(0)$
14	$e^{at} f(t)$	$F(s - a)$
15	$f(t - a)u(t - a)$	$e^{-as} F(s)$
16	$f(at)$	$\dfrac{1}{a} F(s/a)$

	$f(t) = \mathcal{L}^{-1}[F(s)] \quad, \ t \geq 0$	$F(s) = \mathcal{L}[f(t)] = \int_0^\infty e^{-st} f(t)\,dt$
17	$t^n f(t)$	$(-1)^n F^{(n)}(s)$
18	$(f * g)(t) = \int_0^t f(u)g(t-u)\,du$	$F(s)G(s)$
19	$\dfrac{f(t)}{t}$	$\int_s^\infty F(z)\,dz$
20	$\int_0^t f(u)\,du$	$\dfrac{F(s)}{s}$
21	$f(t+T) = f(t) \quad$ (periódica)	$\dfrac{1}{1 - e^{-sT}} \int_0^T e^{-st} f(t)\,dt$
22	$\int_t^\infty \dfrac{f(u)}{u}\,du$	$\dfrac{1}{s} \int_0^s F(z)\,dz$
23	$u(t)$	$\dfrac{1}{s}$
24	$u(t-a)$	$\dfrac{e^{-as}}{s}$
25	$\delta(t)$	1
26	$\delta(t-a)$	e^{-as}