TABELA

N	Original $\varphi(t)$	Imagem $L[\varphi](p)$
1	$\chi(t) = 1$	$\dfrac{1}{p}$
2	$\operatorname{sen} \alpha\, t$	$\dfrac{\alpha}{p^2 + \alpha^2}$
3	$\cos \alpha\, t$	$\dfrac{p}{p^2 + \alpha^2}$
4	$\cos \alpha\, (t - t_0)$	$\dfrac{pe^{-pt_0}}{p^2 + \alpha^2}$
5	$e^{-\alpha t}$	$\dfrac{1}{p + \alpha}$
6	$\operatorname{sh} \alpha\, t$	$\dfrac{\alpha}{p^2 - \alpha^2}$
7	$\operatorname{ch} \alpha\, t$	$\dfrac{p}{p^2 - \alpha^2}$
8	$e^{-\alpha t} \operatorname{sen} \beta\, t$	$\dfrac{\beta}{(p + \alpha)^2 + \beta^2}$
9	$e^{-\alpha t} \cos \beta\, t$	$\dfrac{p + \alpha}{(p + \alpha)^2 + \beta^2}$
10	$t^n,\ n \in N$	$\dfrac{n!}{p^{n+1}}$
11	$t^\alpha,\ \alpha \in R$	$\dfrac{\Gamma(\alpha + 1)}{p^{\alpha+1}}$
12	$t^n f(t)$	$(-1)^n \dfrac{d^n}{dp^n} L[f](p)$
13	$t\, e^{-\alpha t}$	$\dfrac{1}{(p + \alpha)^2}$
14	$t \operatorname{sen} \alpha\, t$	$\dfrac{2p\alpha}{(p^2 + \alpha^2)^2}$
15	$t \cos \alpha\, t$	$\dfrac{p^2 - \alpha^2}{(p^2 + \alpha^2)^2}$
16	$f^{(n)}(t)$	$p^n L[f](p) - p^{(n-1)}f(0) - \ldots - p\, f^{(n-2)}(0) - f^{(n-1)}(0)$
17	$\displaystyle\int_0^t f(\tau)d\tau$	$\dfrac{1}{p} L[f](p)$
18	$\dfrac{f(t)}{t}$	$\displaystyle\int_p^\infty L[f](q)dq$
19	$f(t - t_0)$	$e^{-pt_0} L[f](p)$
20	$(f_1 * f_2)$	$L[f_1](p) \cdot L[f_2](p)$