Trans. Laplace are forma: $\int_a^b N(p,t)f(t)\,dt$, unde N(p, t) $\to$ nucleu

Nr.	**f(t)**	**F(p)**
1.	1	$\frac{1}{p}$
2.	t	$\frac{1}{p^2}$
3.	t^n	$\frac{n!}{p^{n+1}}$
4.	e^t	$\frac{1}{p-1}$
5.	$\sin t$	$\frac{1}{p^2+1}$
6.	$\cos t$	$\frac{1}{p^2+1}$
7.	e^{at}	$\frac{1}{p-a}$
8.	$\sin at$	$\frac{a}{p^2+a^2}$
9.	$\cos at$	$\frac{p}{p^2+a^2}$
10.	$e^{\alpha t}\sin \alpha t$	$\frac{a}{(p-\alpha)^2+a^2}$
11.	$e^{\alpha t}\cos \alpha t$	$\frac{p-\alpha}{(p-\alpha)^2+a^2}$
12.	sh t	$\frac{a}{p^2-a^2}$
13.	ch t	$\frac{p}{p^2-a^2}$

Teor. Asemanarii
$L\{f(at)\} = \frac{1}{a}F\left(\frac{p}{a}\right)$

Teor. Deplasarii
$L\{e^{\alpha t}f(t)\} = F(p-\alpha)$

Trans. Laplace a deriv. f(t)
$L\{f'(t)\} = pF(p) - f(0)$
$L\{f''(t)\} = p^2F(p) - pf(0) - f'(0)$
$L\{f^{(n)}(t)\} = p^nF(p) - p^{n-1}f(0) - p^{n-2}f''(0) - \cdots - f^{(n-1)}(0)$