Таблица оригиналов и изображений

№	$f(t)$	$F(p)$	№	$f(t)$	$F(p)$
1	$\eta(t)$	$\dfrac{1}{p}$	13	$t^{n-1}e^{\alpha t}$	$\dfrac{(n-1)!}{(p-\alpha)^n}$
2	t^n	$\dfrac{n!}{p^{n+1}}$	14	$\cos^2\beta t$	$\dfrac{p^2+2\beta^2}{p(p^2+4\beta^2)}$
3	$e^{\alpha t}$	$\dfrac{1}{p-\alpha}$	15	$\sin^2\beta t$	$\dfrac{2\beta^2}{p(p^2+4\beta^2)}$
4	$\cos\beta t$	$\dfrac{p}{p^2+\beta^2}$	16	$\dfrac{1}{\alpha}\left(e^{\alpha t}-1\right)$	$\dfrac{1}{p(p-\alpha)}$
5	$\sin\beta t$	$\dfrac{\beta}{p^2+\beta^2}$	17	$1-e^{-\frac{t}{\alpha}}$	$\dfrac{1}{p(1+\alpha p)}$
6	$ch\,\beta t$	$\dfrac{p}{p^2-\beta^2}$	18	$\sqrt{t}$	$\dfrac{\sqrt{\pi}}{2p\sqrt{p}}$
7	$sh\,\beta t$	$\dfrac{\beta}{p^2-\beta^2}$	19	$\dfrac{e^{\alpha t}}{\sqrt{t}}$	$\dfrac{\sqrt{\pi}}{\sqrt{p-\alpha}}$
8	$\dfrac{1}{\sqrt{t}}$	$\dfrac{\sqrt{\pi}}{\sqrt{p}}$	20	$-\ln t - C$	$\dfrac{\ln p}{p}$
9	$e^{\alpha t}\cos\beta t$	$\dfrac{p-\alpha}{(p-\alpha)^2+\beta^2}$	21	$\dfrac{\ln t}{\sqrt{t}}$	$-\sqrt{\dfrac{\pi}{p}}\cdot(\ln 4p + C)$
10	$e^{\alpha t}\sin\beta t$	$\dfrac{\beta}{(p-\alpha)^2+\beta^2}$	22	$\dfrac{e^{\beta t}-e^{\alpha t}}{t}$	$\ln\left|\dfrac{p-\alpha}{p-\beta}\right|$
11	$e^{\alpha t}ch\beta t$	$\dfrac{p-\alpha}{(p-\alpha)^2-\beta^2}$	23	$\dfrac{\sin\alpha t}{t}$	$arctg\,\dfrac{\alpha}{p}$
12	$e^{\alpha t}sh\beta t$	$\dfrac{\beta}{(p-\alpha)^2-\beta^2}$	24	$\dfrac{sh\,\alpha t}{t}$	$\dfrac{1}{2}\ln\left|\dfrac{p+\alpha}{p-\alpha}\right|$