

* Gamma function.	
T"(n) = \int_0 e-1 and da	

Laplace Util	Laplace 역반환.
$L[f(t)](s) = \int_{\infty}^{\infty} e^{-st} f(t) dt$	ইপ্তর: $(f * g)(t) = \int_{0}^{t} f(t-e)g(z)dz$
기념학무변환.	L[f*g](s) = F(s)(s)
(I) [[0](s) = D	L+[FG](s)= (f * g)(t).
$(2) L[](5) = \frac{1}{5}$	
(3) $\lfloor [e^{at}](s) = \frac{1}{s-a}$	
(4) $\lfloor [\text{cinat}] (s) = \frac{\alpha}{s^2 + \alpha^3}$ (5) $\lfloor [\text{sinhat}] = \frac{\alpha}{s^2 - \alpha^2}$	
(6) $\lfloor [\cos \alpha t]_{(S)} = \frac{S}{S^2 + \alpha^2}$ (7) $\lfloor [\cosh \alpha t] = \frac{S}{S^2 - \alpha^2}$	
(8) $\lfloor [N_H(t-\alpha)](s) = \frac{\varepsilon^{-\alpha s}}{s}$	
(4) $L[t^m](s) = \frac{1}{S^{n+1}} P(n+1) = \frac{n!}{S^{n+1}}$	
(10) $\lfloor [+n e^{\alpha t}](s) = \frac{n!}{(s-a)^{n+1}}$	
ternies 4	
(1) L[f+g](s) = L[f](s) + L[g](s)	
(2) [cf](6) = CL[f](5)	
(3) $\lfloor [f^{(n)}](s) = S^n \lfloor [f](s) - S^{n+1}(s) - S^{n-2}f(s) - \cdots - S^{f(n-1)}(s) - f^{(n-1)}(s)$	
(4) $L[\int_{s}^{t}f(nh)(s) = \frac{1}{s}L(f)(s)$	
5) [[ebt fix)](s) = [[fix)](s-b)	
(6) $L[t^nf(t)](s) = (-i)^n \frac{d^n}{ds^n} L[f(s)](s)$	
(n) $L[N_n(t-b)](s) = e^{-sb}L[t+t](s)$	