* $m<n$

$$G(s)=\frac{Y(s)}{U(s)}=\frac{(b_m s^m+b_{m-1}s^{m-1}+\cdots+b_1 s+b_0)X(s)}{(a_n s^n+a_{n-1}s^{n-1}+\cdots+a_1 s+a_0)X(s)}$$

$X(s)=$ [$x(t)=$ isyarat sembarang

[Jika $Y(s)=(b_m s^m+b_{m-1}s^{m-1}+\cdots+b_1 s+b_0)X(s)$
maka $U(s)=(a_n s^n+a_{n-1}s^{n-1}+\cdots+a_1 s+a_0)X(s)$]

$\frac{a}{b}=\frac{3}{4}\rightarrow$ [Jika $a=3$
maka $b=4$]

$\rightarrow U(s)=a_n s^n X(s)+a_{n-1}s^{n-1}X(s)+\cdots+a_1 s X(s)+a_0 X(s)$

Laplace Inverse :

$$u(t)=a_n\underbrace{\frac{d^n x(t)}{dt^n}}_{x_n}+a_{n-1}\underbrace{\frac{d^{n-1}x(t)}{dt^{n-1}}}_{x_n}+\cdots+a_1\underbrace{\frac{dx(t)}{dt}}_{x_2}+a_0\overbrace{x(t)}^{x_1}$$