$$(D-rI)(f(t)e^{rt}) = f'(t)e^{rt}$$

$$(D-ZT)^3 = D^3 3D^2 ZI 3D(ZI)^2 (ZI)^3$$
 $D^3 Z^2 T 12DI 8I$

$$P''(x) P''(x) x 12P'(x)^2 8x$$

$$D^3 - 6D^2 + 12D - 8I$$

$$(D-ZI)^3p(n) = 0$$

$$D^{3}(p(n)) - 6D^{2}I(p(n))$$