

To find the inverse transforms of Z transformation, another approach is to be used rather than partial fractions this approach can not be applied for Laplace transforms. (1) Linear Factors Аz H(z) (az+b)(Cz+d) В£ cz+d az+b $\frac{EX! + 4}{(2-3)(2-2)} = \frac{A_2}{(2-3)} + \frac{B_2}{(2-2)}$ (2) Repeated Factors $\frac{H(z)}{(az+b)^n} = \frac{A_n \cdot z}{(az+b)^n} + \frac{A_{n-1} \cdot z}{(az+b)^{n-1}}$ Avz (az + b) $\frac{2+4}{(2+3)^3}$ $\frac{Az}{(z+3)^3} + \frac{Bz}{(z+3)^2} + \frac{Cz}{(z+3)^2}$ 3) Quadratic Factors $\frac{H(z)}{az^2+bz+c} = \frac{Az^2+Bz}{az^2+bz+c}$





















