$$\frac{0.004519\,z^9 + 0.007442\,z^8 - 0.08589\,z^7 + 0.1608\,z^6 - 0.09249\,z^5 - 0.03386\,z^4 + 0.05398\,z^3 - 0.01336\,z^2 - 0.001149\,z + 5.389\text{e-}19}{z^{10} - 7.546\,z^9 + 25.84\,z^8 - 52.96\,z^7 + 72.12\,z^6 - 68.24\,z^5 + 45.46\,z^4 - 21.06\,z^3 + 6.492\,z^2 - 1.202\,z + 0.1015}$$

$$\left(0.004519\,z^9 + 0.007442\,z^8 - 0.08589\,z^7 + 0.1608\,z^6 - 0.09249\,z^5 - 0.03386\,z^4 + 0.05398\,z^3 - 0.01336\,z^2 - 0.001149\,z + 5.389\text{E}{-}19\right) \Big/ \left(z^{10} - 7.546\,z^9 + 25.84\,z^8 - 52.96\,z^7 + 72.12\,z^6 - 68.24\,z^5 + 45.46\,z^4 - 21.06\,z^3 + 6.492\,z^2 - 1.202\,z + 0.1015\right)$$

$$\cdot z^{-10}$$

$$\left(0.004519\cdot z^{-1} + 0.007442\cdot z^{-2} - 0.08589\cdot z^{-3} + 0.1608\cdot z^{-4} - 0.09249\cdot z^{-5} - 0.03386\cdot z^{-6} + 0.05398\cdot z^{-7} - 0.01336\cdot z^{-8} - 0.001149\cdot z^{-9} + (5.389\text{E}{-}19)\cdot z^{-10}\right) \Big/ \left(1 - 7.546\,z^{-1} + 25.84\,z^{-2} - 52.96\,z^{-3} + 72.12\,z^{-4} - 68.24\,z^{-5} + 45.46\,z^{-6} - 21.06\,z^{-7} + 6.492\,z^{-8} - 1.202\,z^{-9} + 0.1015\cdot z^{-10}\right)$$

$$\frac{Y(z)}{X(z)} = \left(0.004519\cdot z^{-1} + 0.007442\cdot z^{-2} - 0.08589\cdot z^{-3} + 0.1608\cdot z^{-4} - 0.09249\cdot z^{-5} - 0.03386\cdot z^{-6} + 0.05398\cdot z^{-7} - 0.01336\cdot z^{-8} - 0.001149\cdot z^{-9} + (5.389\text{E}{-}19)\cdot z^{-10}\right) \Big/ \left(1 - 7.546\,z^{-1} + 25.84\,z^{-2} - 52.96\,z^{-3} + 72.12\,z^{-4} - 68.24\,z^{-5} + 45.46\,z^{-6} - 21.06\,z^{-7} + 6.492\,z^{-8} - 1.202\,z^{-9} + 0.1015\cdot z^{-10}\right)$$

$$Y(z)\cdot 1 - 7.546\,z^{-1}\cdot Y(z) + 25.84\,z^{-2}\cdot Y(z) - 52.96\,z^{-3}\cdot Y(z) + 72.12\,z^{-4}\cdot Y(z) - 68.24\,z^{-5}\cdot Y(z) + 45.46\,z^{-6}\cdot Y(z) - 21.06\,z^{-7}\cdot Y(z) + 6.492\,z^{-8}\cdot Y(z) - 1.202\,z^{-9}\cdot Y(z) + 0.1015\cdot z^{-10}\cdot Y(z) = 0.004519\cdot z^{-1}\cdot X(z) + 0.007442\cdot z^{-2}\cdot X(z) - 0.08589\cdot z^{-3}\cdot X(z) + 0.1608\cdot z^{-4}\cdot X(z) - 0.09249\cdot z^{-5}\cdot X(z) - 0.03386\cdot z^{-6}\cdot X(z) + 0.05398\cdot z^{-7}\cdot X(z) - 0.01336\cdot z^{-8}\cdot X(z) - 0.001149\cdot z^{-9}\cdot X(z) + (5.389\text{E}{-}19)\cdot z^{-10}\cdot X(z)$$

Solve for Y(z)

$$Y(z) = 0.004519\cdot z^{-1}\cdot X(z) + 0.007442\cdot z^{-2}\cdot X(z) - 0.08589\cdot z^{-3}\cdot X(z) + 0.1608\cdot z^{-4}\cdot X(z) - 0.09249\cdot z^{-5}\cdot X(z) - 0.03386\cdot z^{-6}\cdot X(z) + 0.05398\cdot z^{-7}\cdot X(z) - 0.01336\cdot z^{-8}\cdot X(z) - 0.001149\cdot z^{-9}\cdot X(z) + (5.389\text{E}{-}19)\cdot z^{-10}\cdot X(z) + 7.546\,z^{-1}\cdot Y(z) - 25.84\,z^{-2}\cdot Y(z) + 52.96\,z^{-3}\cdot Y(z) - 72.12\,z^{-4}\cdot Y(z) + 68.24\,z^{-5}\cdot Y(z) - 45.46\,z^{-6}\cdot Y(z) + 21.06\,z^{-7}\cdot Y(z) - 6.492\,z^{-8}\cdot Y(z) + 1.202\,z^{-9}\cdot Y(z) - 0.1015\cdot z^{-10}\cdot Y(z)$$

Invers Z

$$y[n] = 0.004519 \cdot x[n-1] + 0.007442 \cdot x[n-2] - 0.08589 \cdot x[n-3] + 0.1608 \cdot x[n-4] - 0.09249 \cdot x[n-5] - 0.03386 \cdot x[n-6] + 0.05398 \cdot x[n-7] - 0.01336 \cdot x[n-8] - 0.001149 \cdot x[n-9] + (5.389\text{E}{-19}) \cdot x[n-10] + 7.546\, y[n-1] - 25.84\, y[n-2] + 52.96\, y[n-3] - 72.12\, y[n-4] + 68.24\, y[n-5] - 45.46\, y[n-6] + 21.06\, y[n-7] - 6.492\, y[n-8] + 1.202\, y[n-9] - 0.1015 \cdot y[n-10]$$