$$H(z) = \frac{0.7 \left[ (2+0.5)^{3} + 1.5^{3} \right]}{z^{3} - 0.64} \longrightarrow H(z) = \frac{0.7 \left[ z^{3} + z + 0.75 + 1.75 \right]}{z^{3} - 0.64}$$

$$H(z) = \frac{0.7 \left( z^{3} + z + 2.5 \right)}{z^{3} - 0.64} \longrightarrow H(z) = \frac{0.7 \left( z^{3} + z + 2.5 \right)}{(z - 0.8)(z + 0.8)}$$

$$H(z) = \frac{0.7 \left( z^{3} + z + 2.5 \right)}{(z - 0.8)(z + 0.8)} \longrightarrow H(z) = \frac{0.7 \left( z + \left( -\frac{1}{7} + \frac{3}{7} i \right) \right) \left( 2 + \left( -\frac{1}{7} - \frac{3}{7} i \right) \right)}{(z - 0.8)(z + 0.8)}$$

$$H(z) = \frac{0.2(z+(\frac{1}{5}+\frac{3}{5}i))(z+(\frac{1}{5}-\frac{3}{5}i))}{(z-0.8)(z+0.8)} \cdot \frac{(z+(\frac{1}{5}+\frac{3}{5}i))(z+(\frac{1}{5}-\frac{3}{5}i))}{(z+(\frac{1}{5}+\frac{3}{5}i))(z+(\frac{1}{5}-\frac{3}{5}i))}$$

$$H_{AP} = \frac{(z - (-\frac{1}{5} + \frac{3}{5}i))(z - (-\frac{1}{5} - \frac{3}{5}i))}{(z - 0.8)(z + 0.8)}$$

$$G_{AP} = \frac{(z - (-\frac{1}{5} + \frac{3}{5}i))(z - (-\frac{1}{5} - \frac{3}{5}i))}{(z - (-\frac{1}{5} - \frac{3}{5}i))}$$

$$G_{AP} = \frac{0.2(z - (-\frac{1}{5} + \frac{3}{5}i))(z - (-\frac{1}{5} - \frac{3}{5}i))}{(z - (-\frac{1}{5} - \frac{3}{5}i))}$$

$$G_{AP} = \frac{0.2(z - (-\frac{1}{5} + \frac{3}{5}i))(z - (-\frac{1}{5} - \frac{3}{5}i))}{(z - (-\frac{1}{5} - \frac{3}{5}i))}$$

$$G_{AP} = \frac{1}{z^{*}} (MP'03L)$$