$$Y(z) = E(z) + A(z)X(z) - A(z)Y(z)$$

$$= E(z)\frac{1}{1 + A(z)} + X(z)\frac{A(z)}{1 + A(z)}$$

$$= E(z)\underbrace{H_E(z) + X(z)}_{H_X(z)}\underbrace{H_X(z)}_{H_X(z)}$$