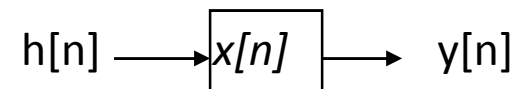
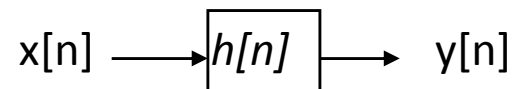
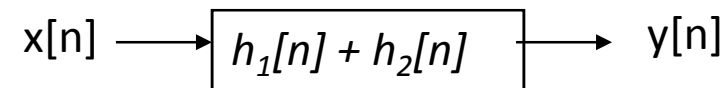
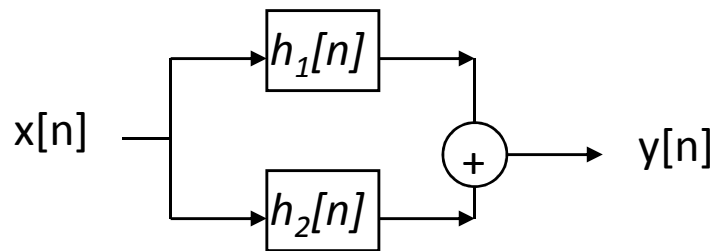


Properties of LTI systems

- Commutative: $x[n] \star h[n] = h[n] \star x[n]$



- Distributive: $x[n] \star (h_1[n] + h_2[n]) = x[n] \star h_1[n] + x[n] \star h_2[n]$



- Associative: $x[n] \star (h_1[n] \star h_2[n]) = (x[n] \star h_1[n]) \star h_2[n]$

