$$\delta_\Delta(t-k\Delta) \longrightarrow \boxed{\text{LIT}} \longrightarrow h_{k\Delta}(t) = h_0(t-k\Delta)$$

$$x_\Delta(t) \longrightarrow \boxed{\text{LIT}} \longrightarrow y_\Delta(t) = \sum_{k=-\infty}^{\infty} x(k\Delta)h_0(t-k\Delta)\Delta$$