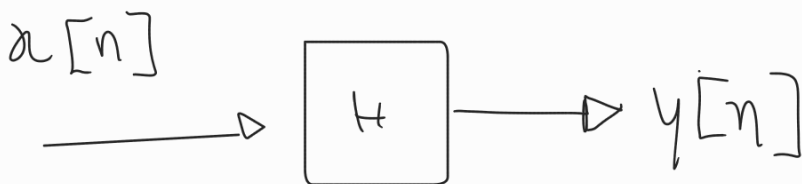
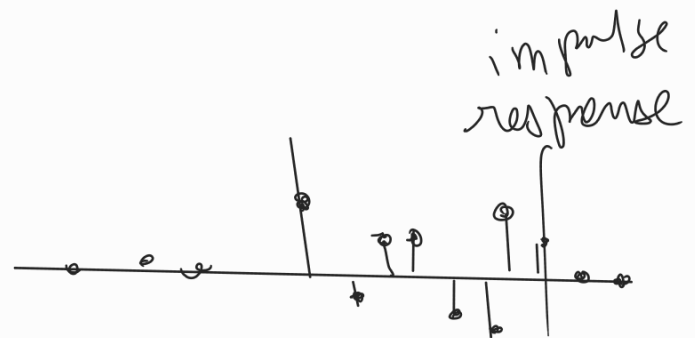
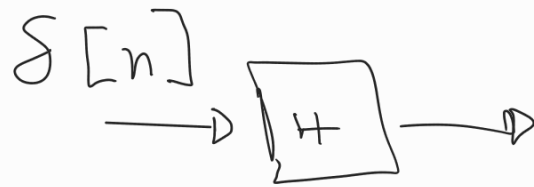
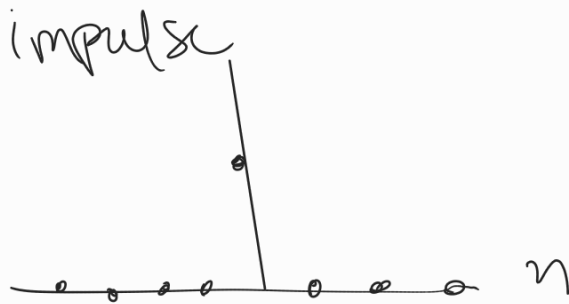


- # Characterizing linear, time-invariant systems using canonical inputs -
- 1) Write arbitrary input as a weighted sum of time-shifted canonical input
 - 2) output is a weighted sum of time-shifted canonical outputs



$$y[n] = \sum_{k=-\infty}^{\infty} h[k] x[n-k] =$$

"convolution"

$$h[n] * x[n]$$

↑ operator notation

