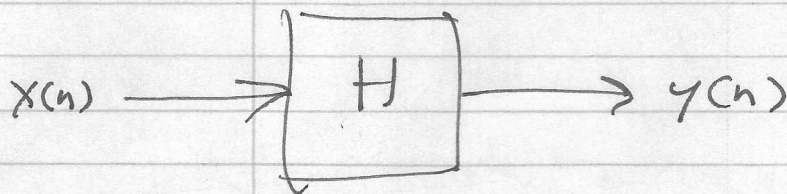


# Filtering

Linear Time Invariant Systems.

Read Sect. 1.3-1.8



- 1) Discrete
- 2) Lock Step  
one input  $\Rightarrow$  one output
- 3) Time Invariant

$$x_1(n) \rightarrow \boxed{H} \rightarrow y_1(n)$$

$$x_2(n) = x_1(n-k) \rightarrow \boxed{H} \rightarrow y_2(n) = y_1(n-k)$$

