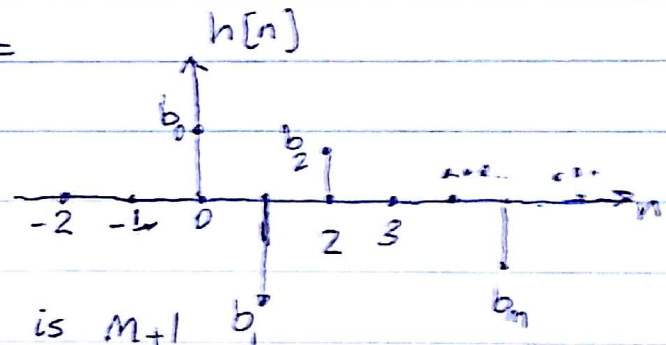


misorder

N determines number of coefficients

$$h[n] = \sum_{k=0}^{\infty} b_k \delta[n-k] =$$

$$n-k=0 \rightarrow n=k$$



extent in discrete time is $M+1$ samples

* denotes convolution

$$y[n] = x[n] * h[n] = \sum_{k=0}^M h[k] x[n-k] = h[0]x[n] +$$

$$h[1]x[n-1] + h[2]x[n-2] + \dots + h[M]x[n-M]$$

First Order Difference

$$y[n] = x[n] - x[n-1]$$

