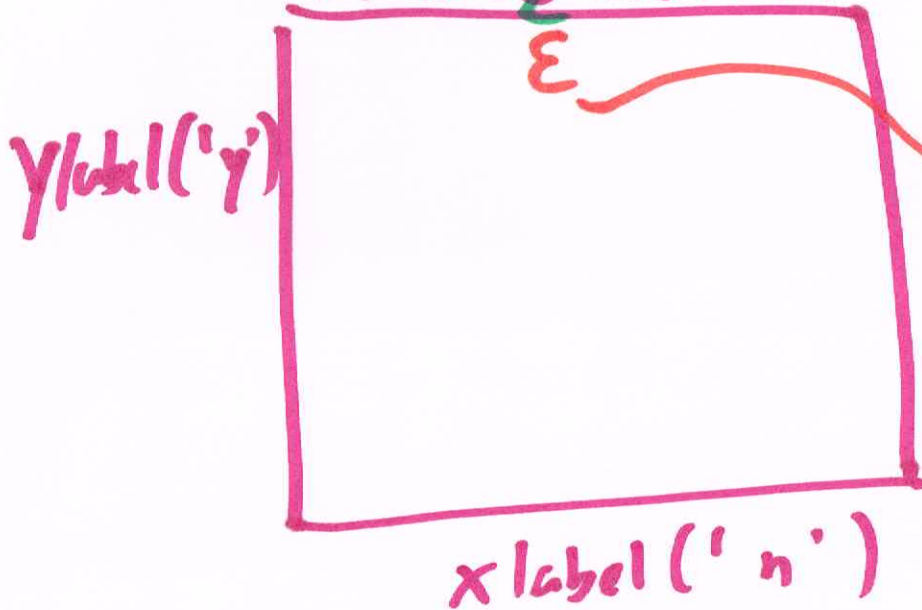


EE360D

Monday
8/30/21

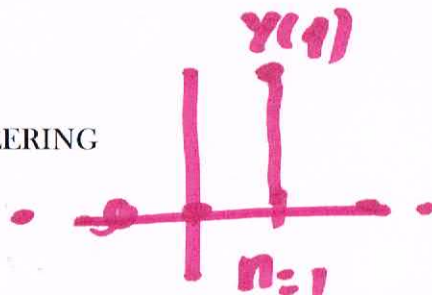
Advanced MATLAB Tricks

title ('The Ramp function' , r(n)=n)



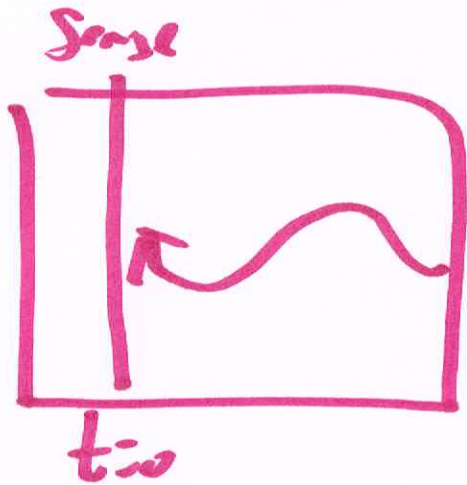
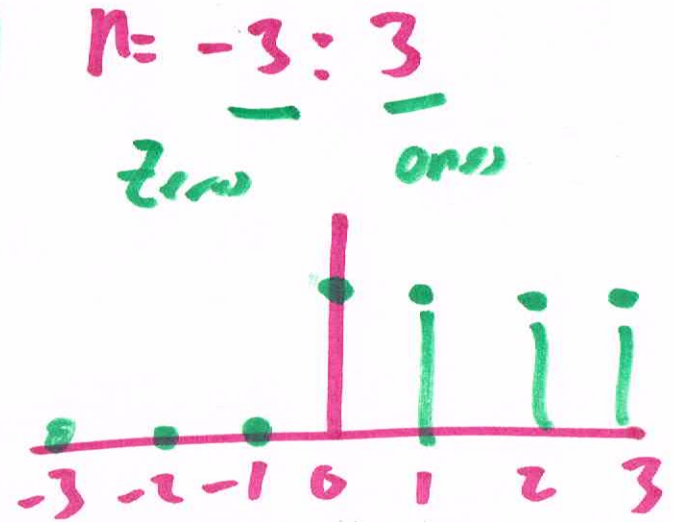
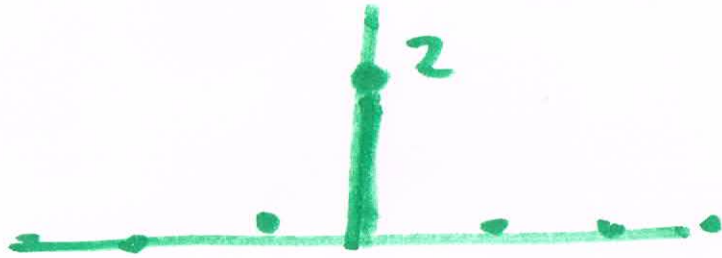
Sifting Property!

$$\underline{x(n)} \delta(n) = x(0)$$

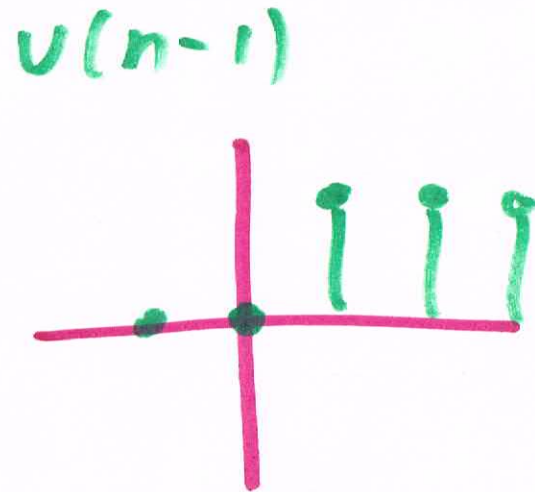
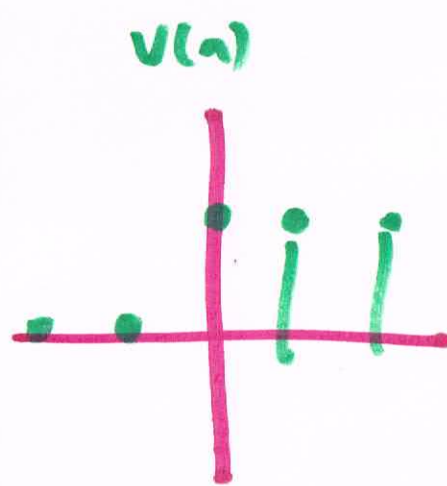


$$y(n) \delta(n-1) = y(1)$$

$2x(n) \delta(n)$



$$V = [\text{zeros}(1, \overset{\text{Abs}}{N(n)}), 1, \text{ones}(1, n \text{ length})]$$



$$e^{j\frac{\pi n}{5}} = \text{real}(\exp(j * \pi * n / 5)) + j \text{Im}(\exp(j * \pi * n / 5))$$

$$|e^{j(\frac{\pi n}{5})}| = 1$$

$$e^{j\frac{\pi 0}{5}} = e^{j0} = 1 + j0$$

