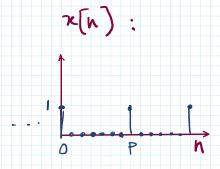
Example

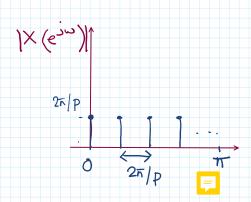
Source Dimpulse train of period P samples

Filter: Single real pole at "a"  $H(z) = \frac{1}{1-az^{-1}}$ 

$$1(z) = \frac{1}{1 - az^{-1}}$$





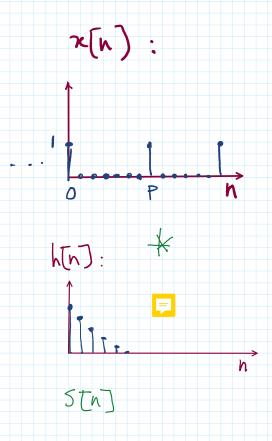


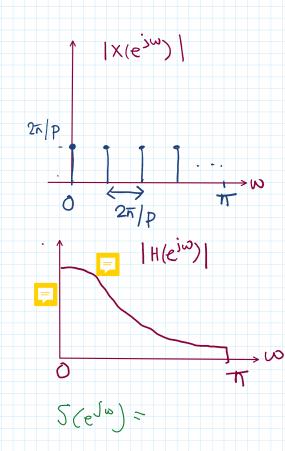
Example

Source: impulse train of period = P samples

Filter: single real pole at "a"

$$H(z) = \frac{1}{1-az}$$



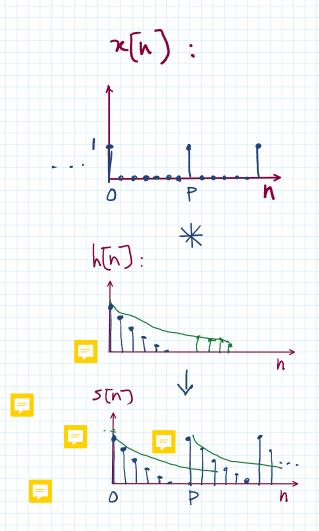


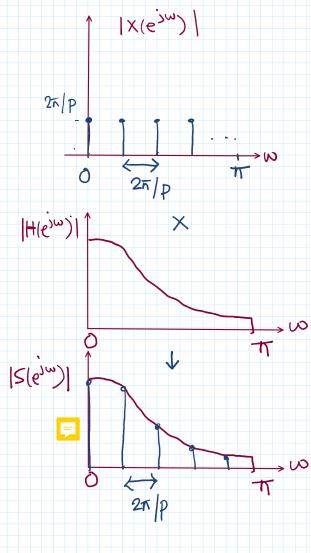
Example:

Source: impulse train of period = P samples

Filter: Single real pole at "a"

$$H(z) = \frac{1}{1 - az^{-1}}$$





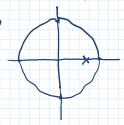
Example

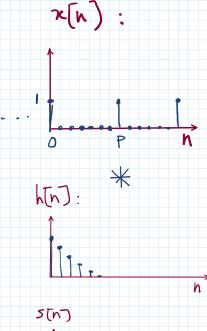
Source: impulse train of period = P samples

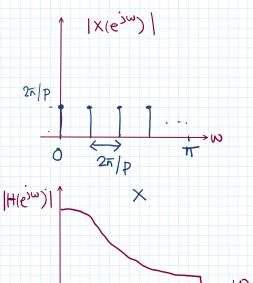
Filter: Single real pole at "a"

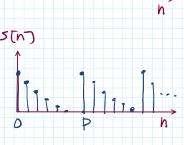
$$H(z) = 1$$
 $1-az$ 

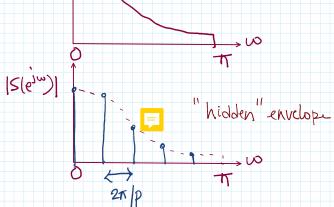
=> h[h] = an u[h]











Numerical example:

Soln: P = 80 Samples

Sketch | s(e)w)

 $V_1, \Theta_1 : get from B_1, F_1$   $V_1 = 0.94, \Theta_1 = \pi/4$ 

1x(ejw)1

