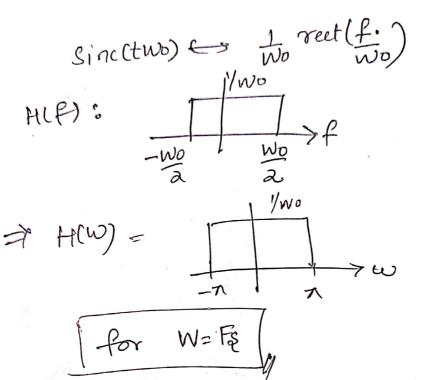
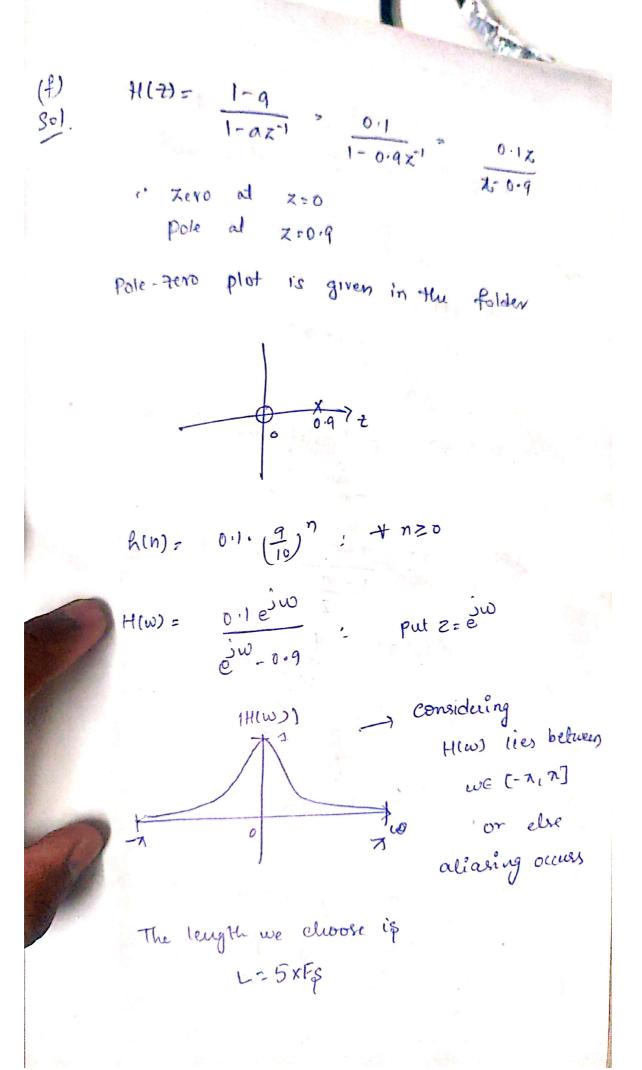
OBSERVATIONS



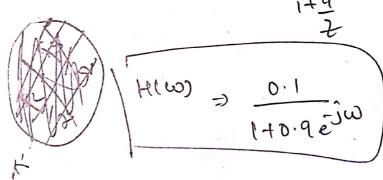


effect of hin);

- The high freq. components gets lavere and only the low freq. components exist.

for
$$H(w-\pi)$$
: Z -transforms to $e^{j(w-\pi)}$:
$$= -e^{j(w-\pi)}$$

LPF:
$$H(Z) = \frac{1-a}{1-\frac{a}{2}}$$
 => $H(w) = \frac{0.1}{1-0.9e^{-2}w}$



i, The low frequency components of input gets slowered while high frequency pass freely. 18012