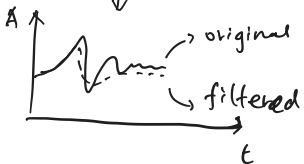
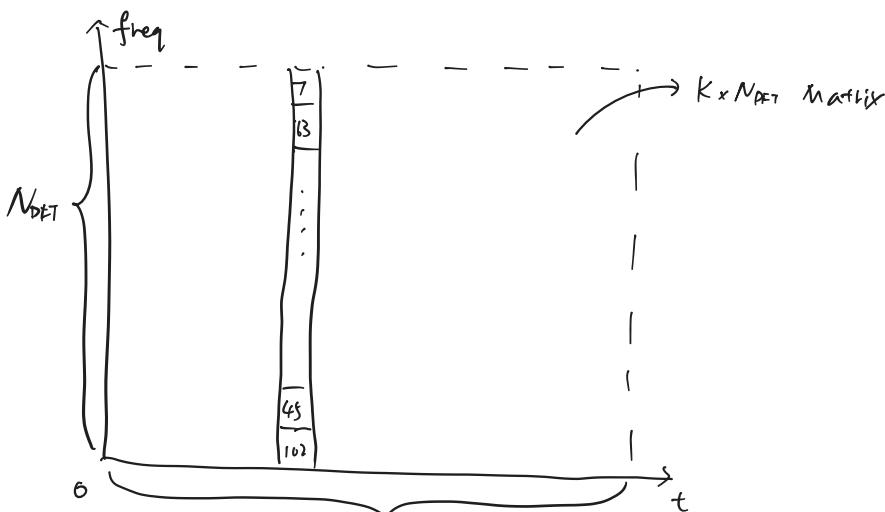
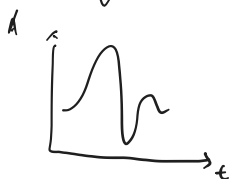


apply window function (hanning)



FFT  
(can zeropadding)



$$k = \left\lfloor \frac{N(x) - L}{M - L} \right\rfloor$$

zeropadding to  $X$  make  $k$  integer