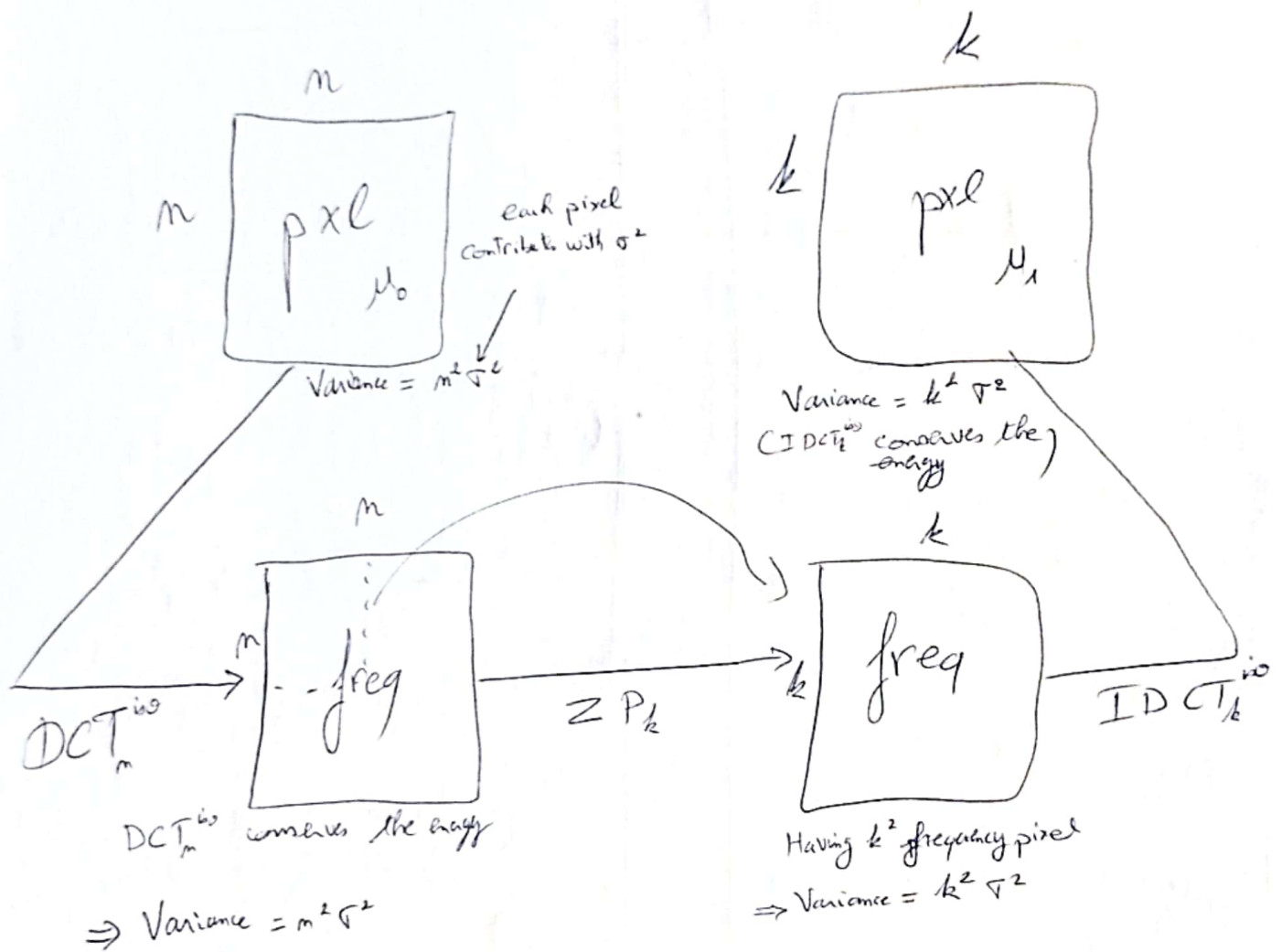


Ex 5.1)



Thus $V(\mu_1) = k^2 \sigma^2$ in scale k
 $= n^2 \sigma^2$ in scale n

$$\Rightarrow \sigma' = \sqrt{\frac{k^2}{n^2}} \sigma = \sqrt{\frac{\text{NPIX}(layer)}{\text{NPIX}(input)}} \sigma$$

std deviation
at scale k

std dev at scale n