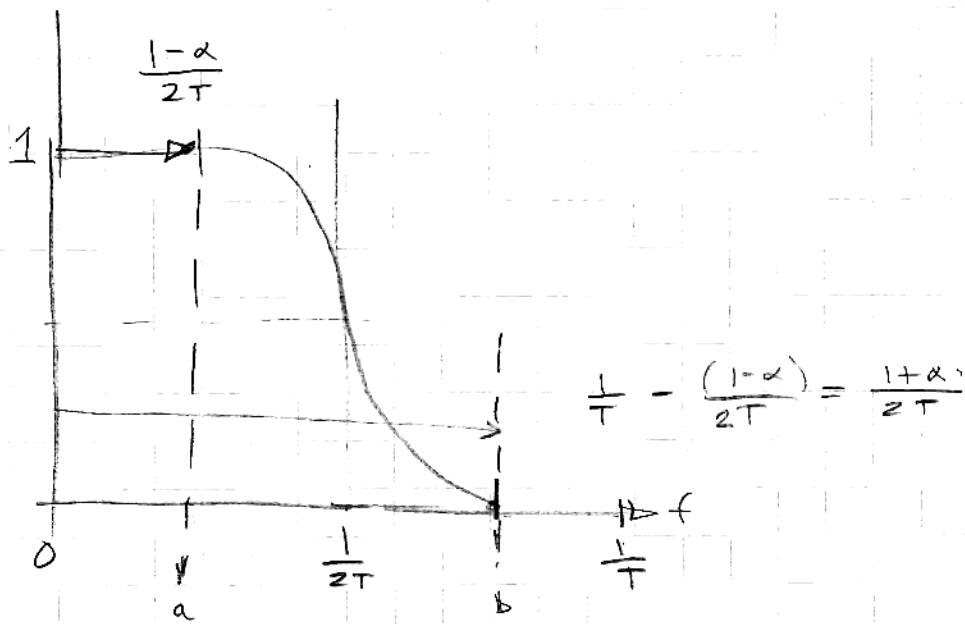


Lecture 9 exercise 3



$$H(f) = \begin{cases} 1 & 0 < f < a \\ \frac{1}{2} + \frac{1}{2} \cos\left(\left(\frac{f-a}{b-a}\right) \pi\right) & a \leq f \leq b, \alpha > 0 \\ 0 & f > b \end{cases}$$