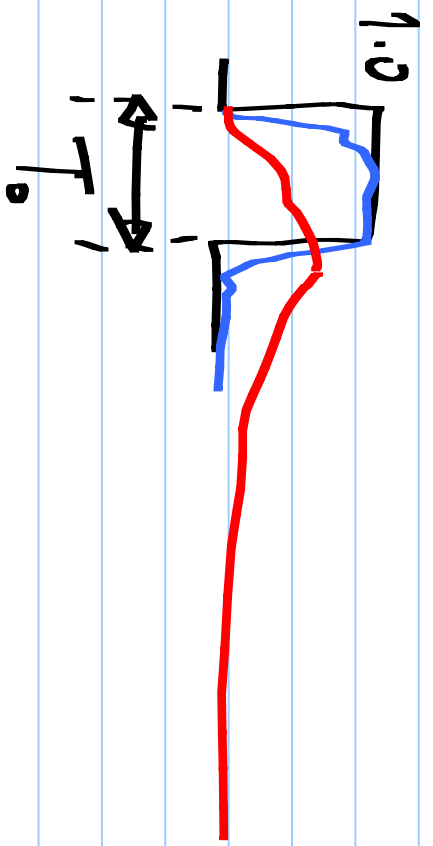
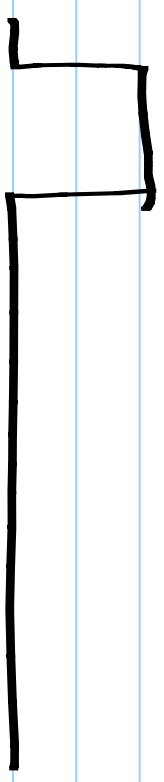


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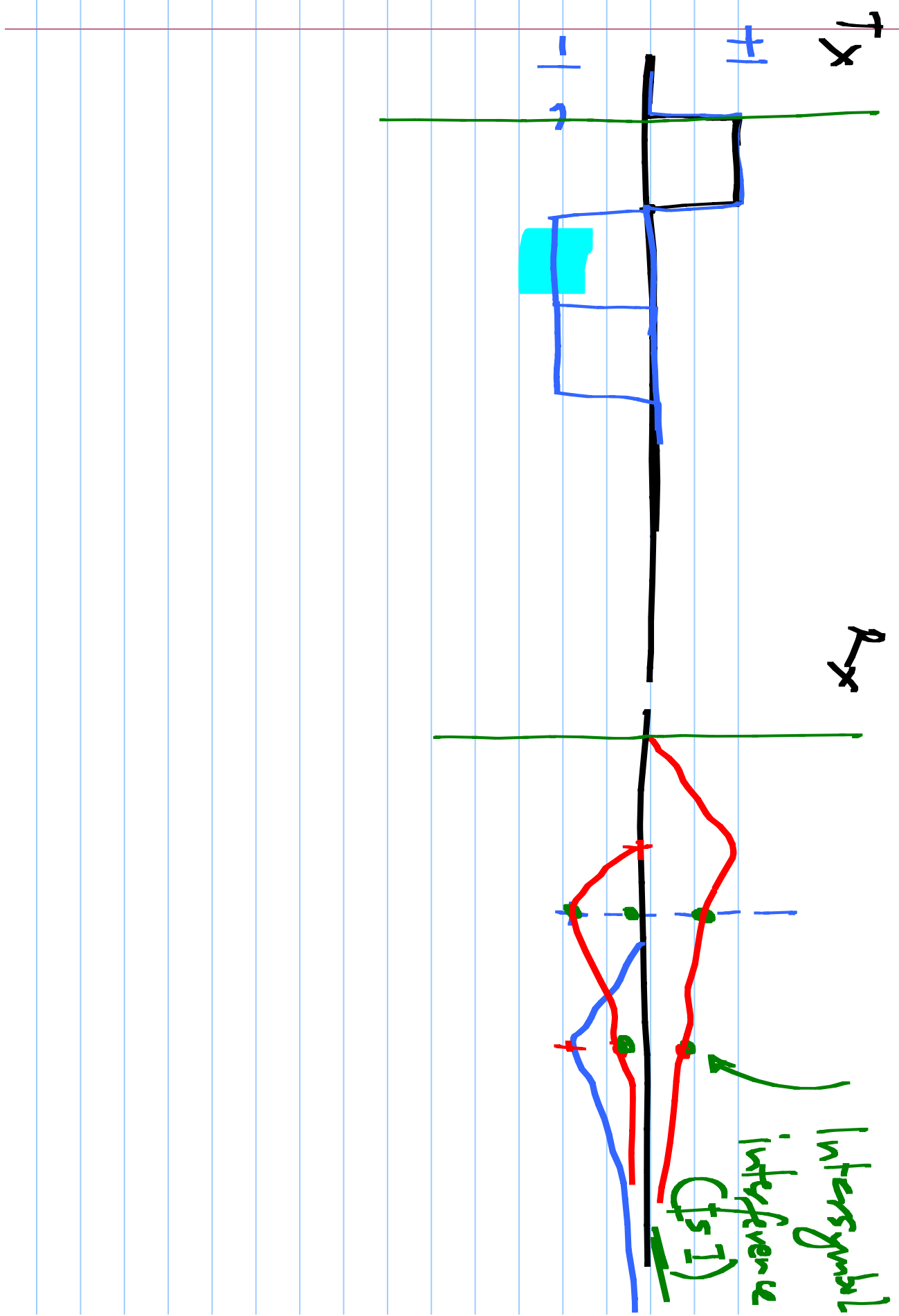
23/3/2018

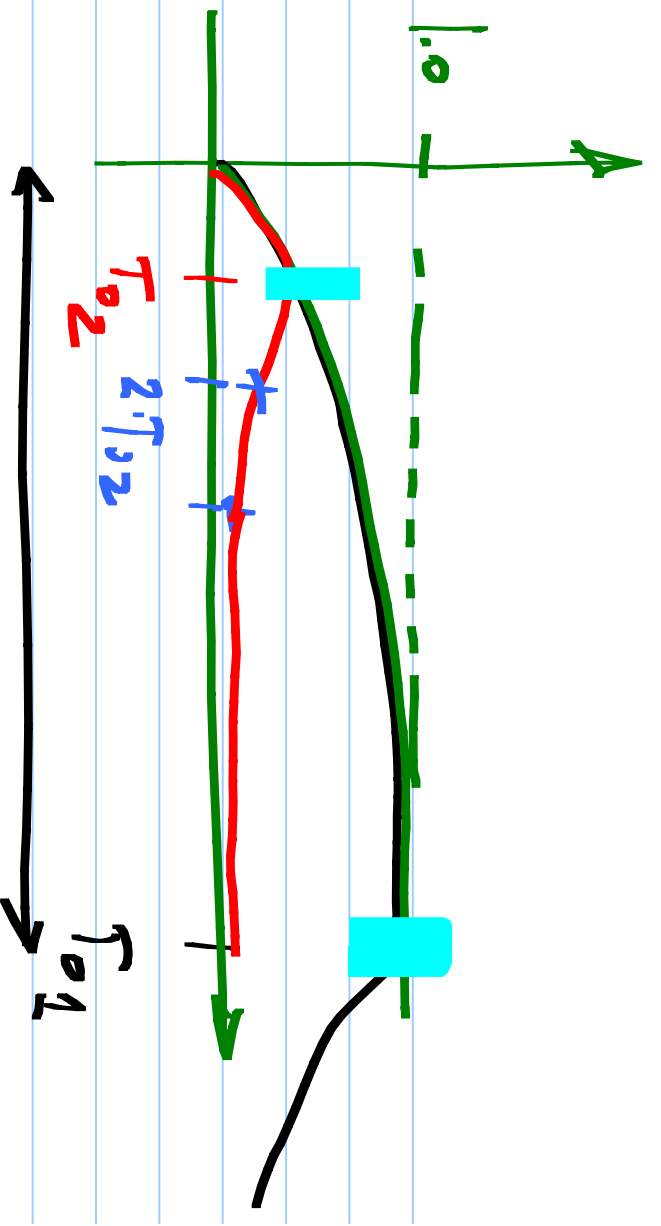
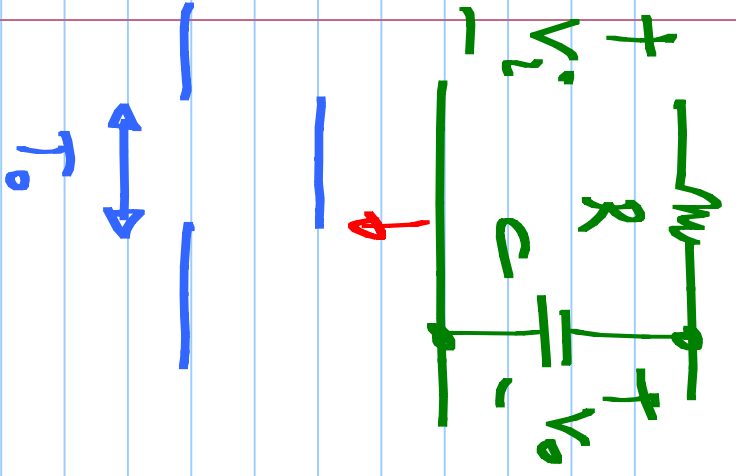


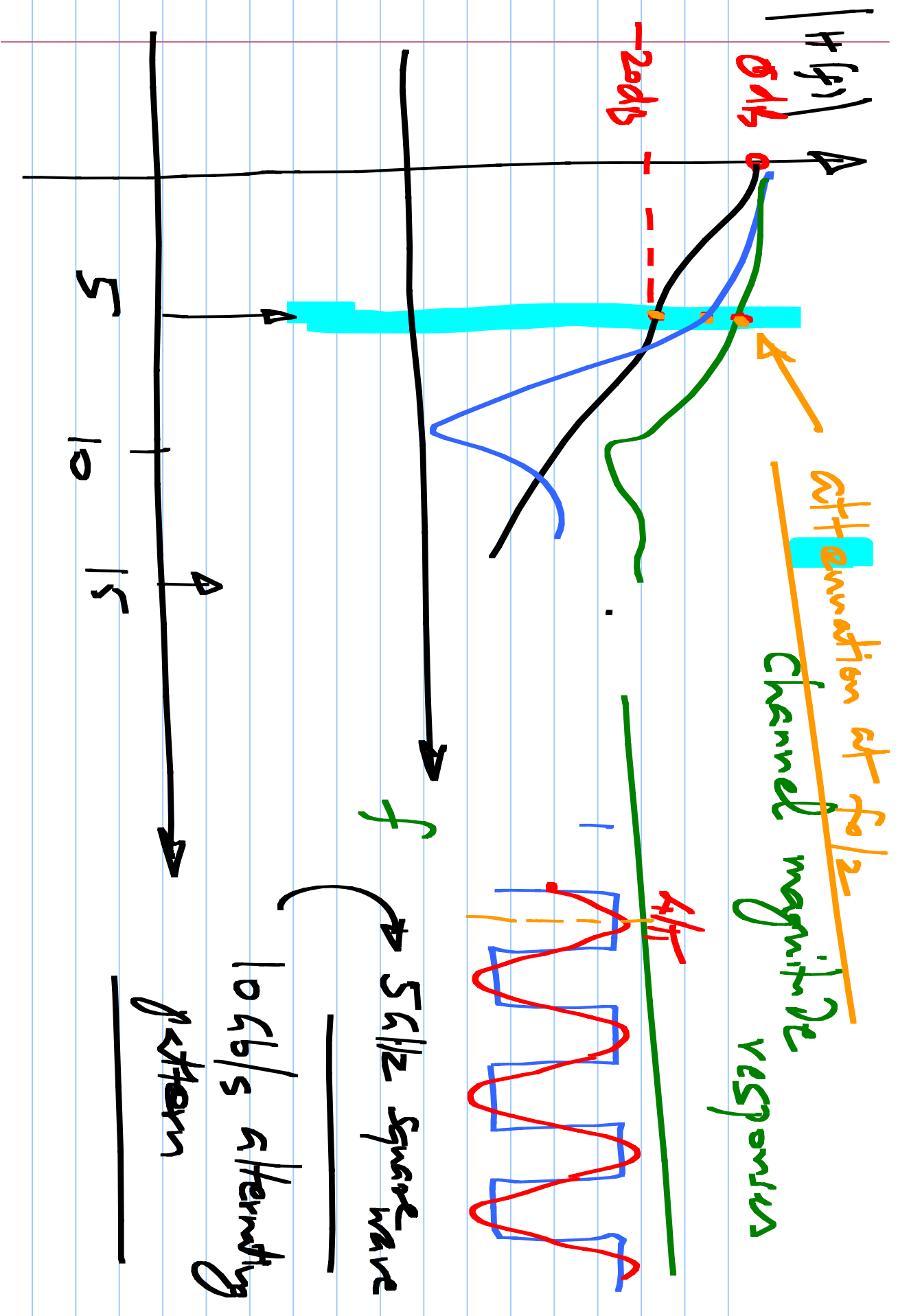
Symbol interval



Spreading
delay reduced
amplitude



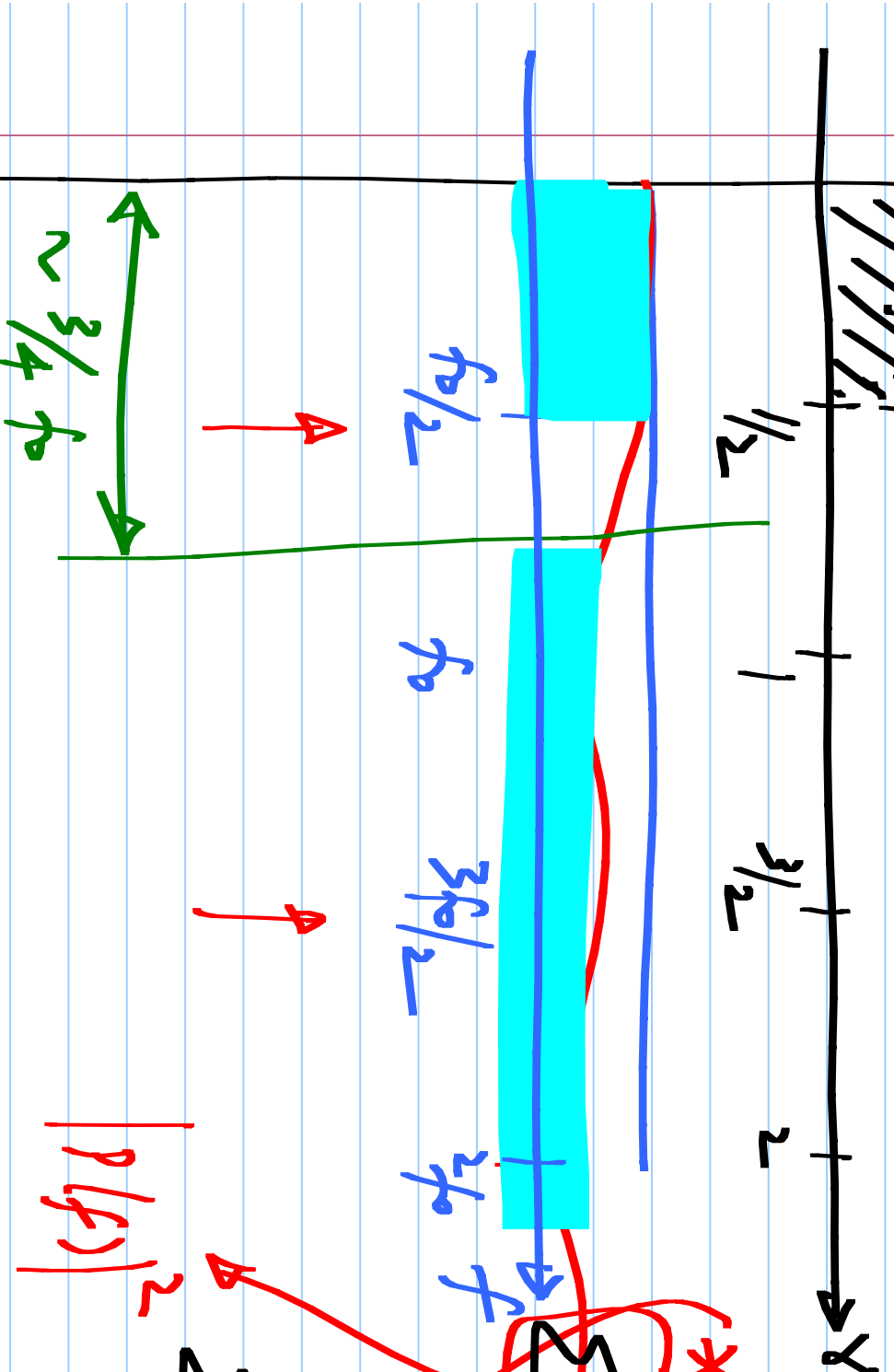




Symbol
Density

Symbols $\{a_k\}_{k=-1}^{+1}$ i.i.d.
(DT) independent,

identically



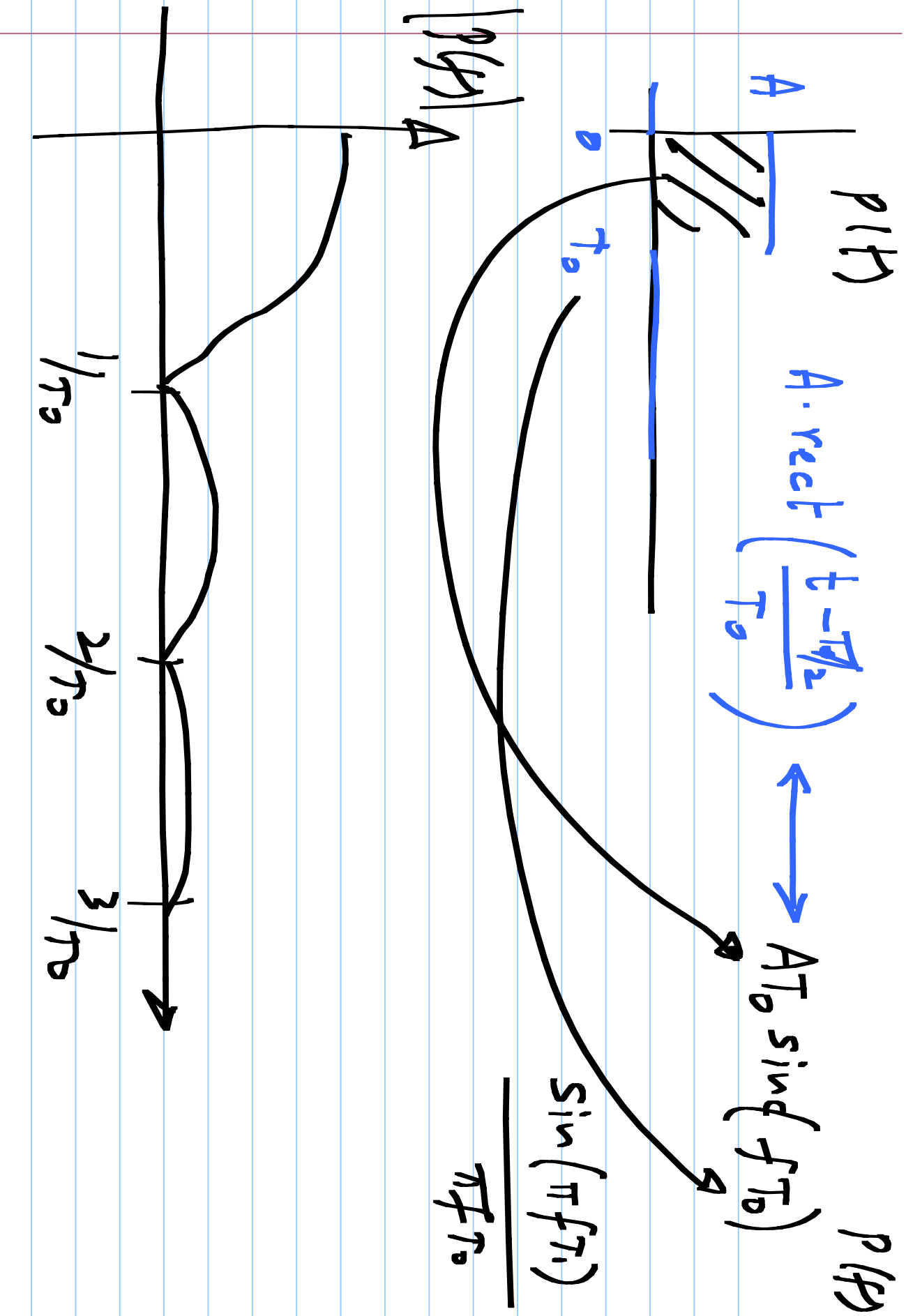
(* $p(f)$ distribution)

$$\sum_{k \in \mathbb{Z}} a_k \delta(t - kT_0)$$

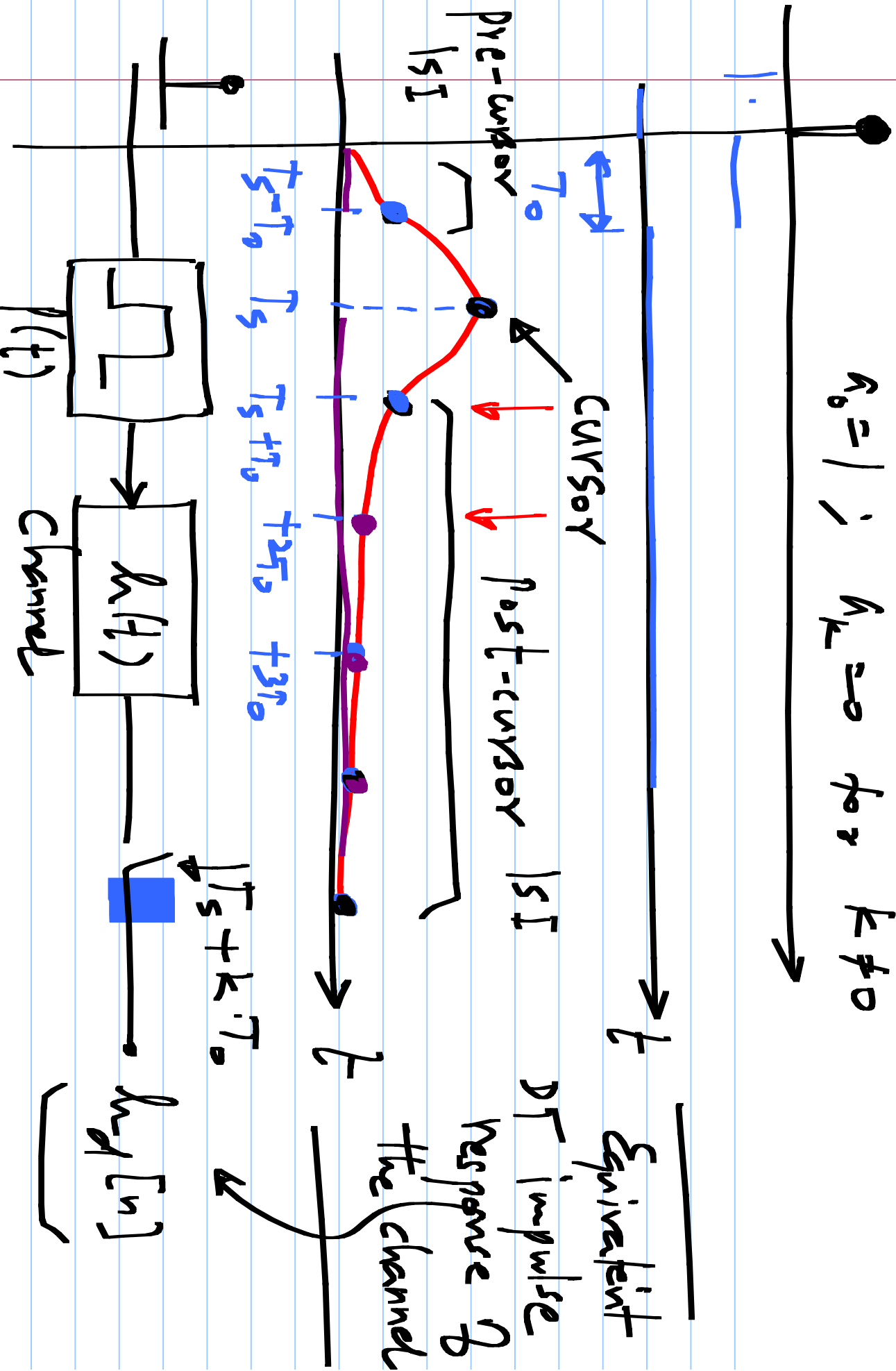
$$\sum_{k \in \mathbb{Z}} p(t - kT_0)$$

$$|p(f)|^2$$

CT



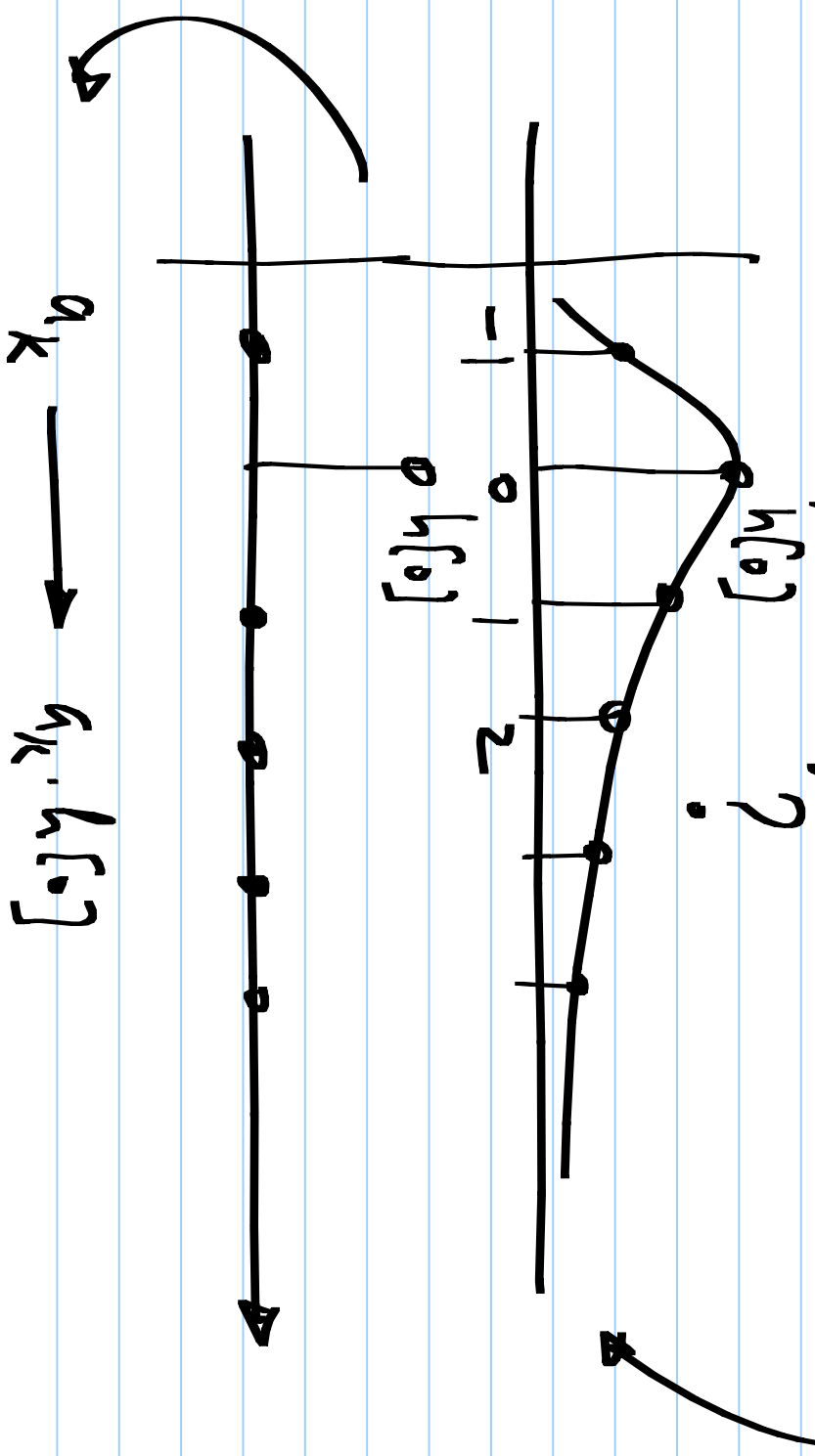
$$h_0 = 1 \quad ; \quad h_k = 0 \text{ for } k \neq 0$$

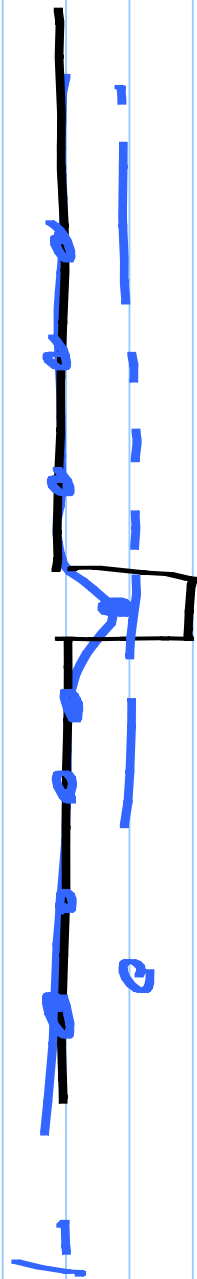
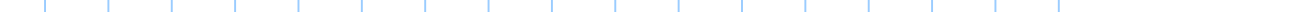


DT eq. impulse response = $h[n]$

ideal impulse response: $h[n]$

$\{a_k\}$





+1