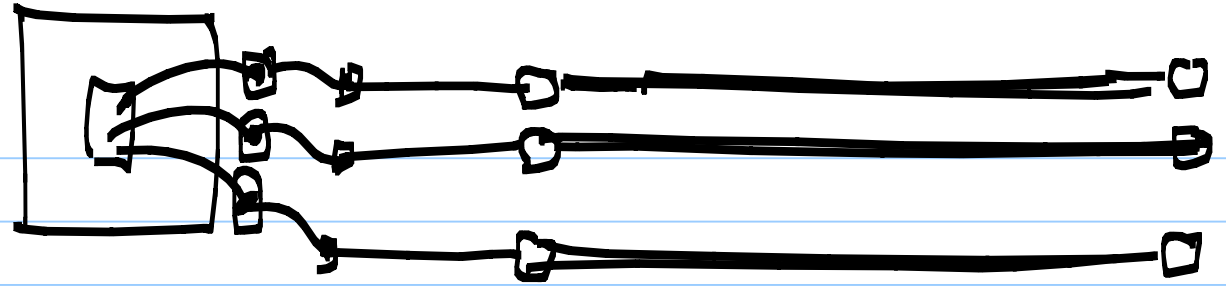


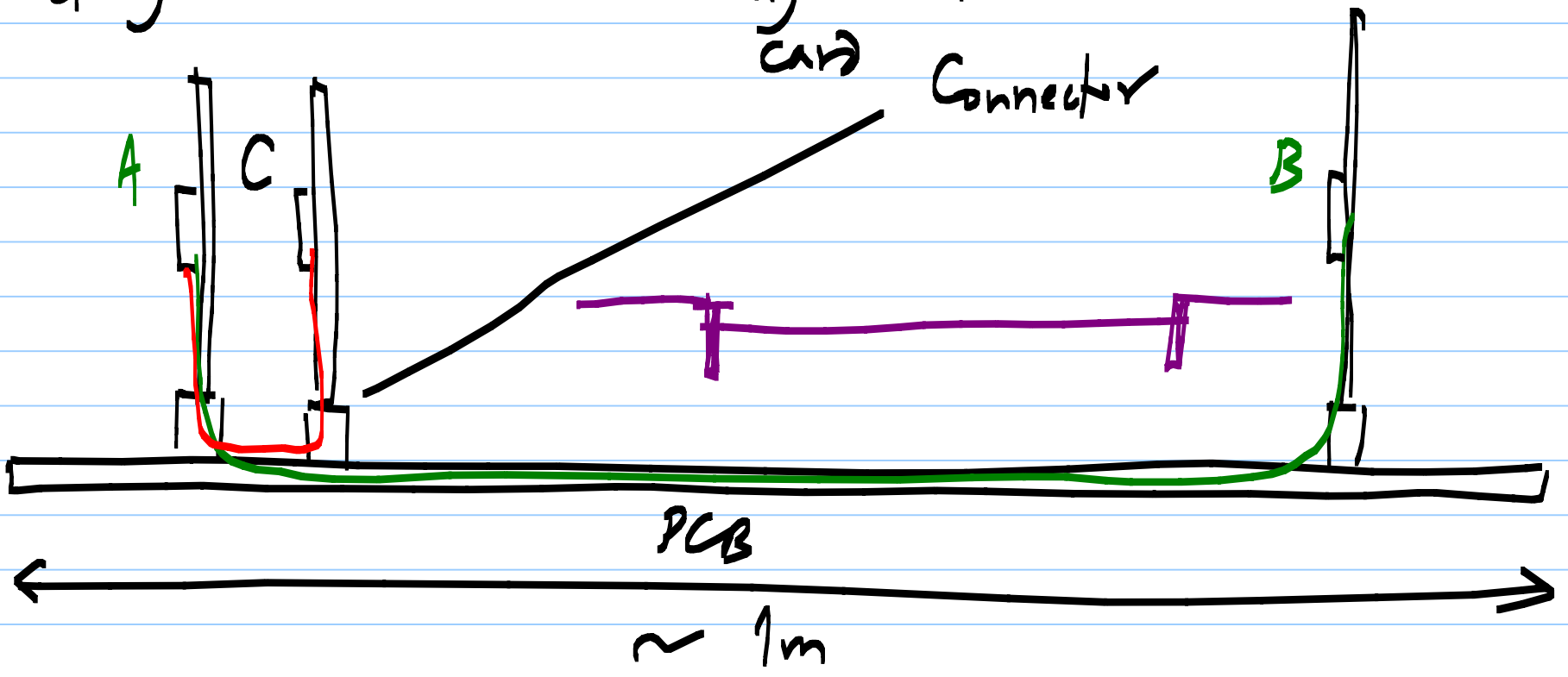
Backplane

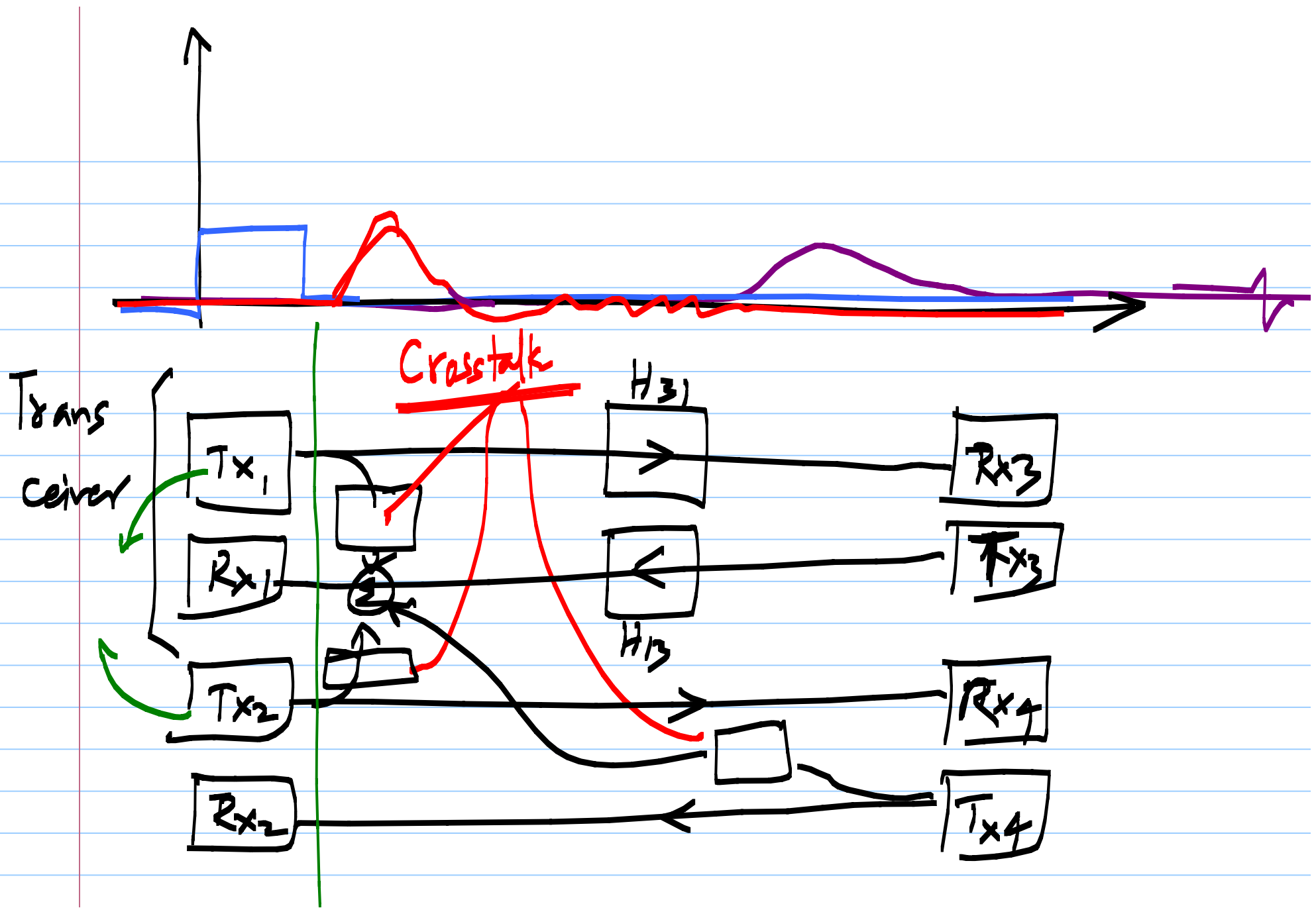


daughter cards

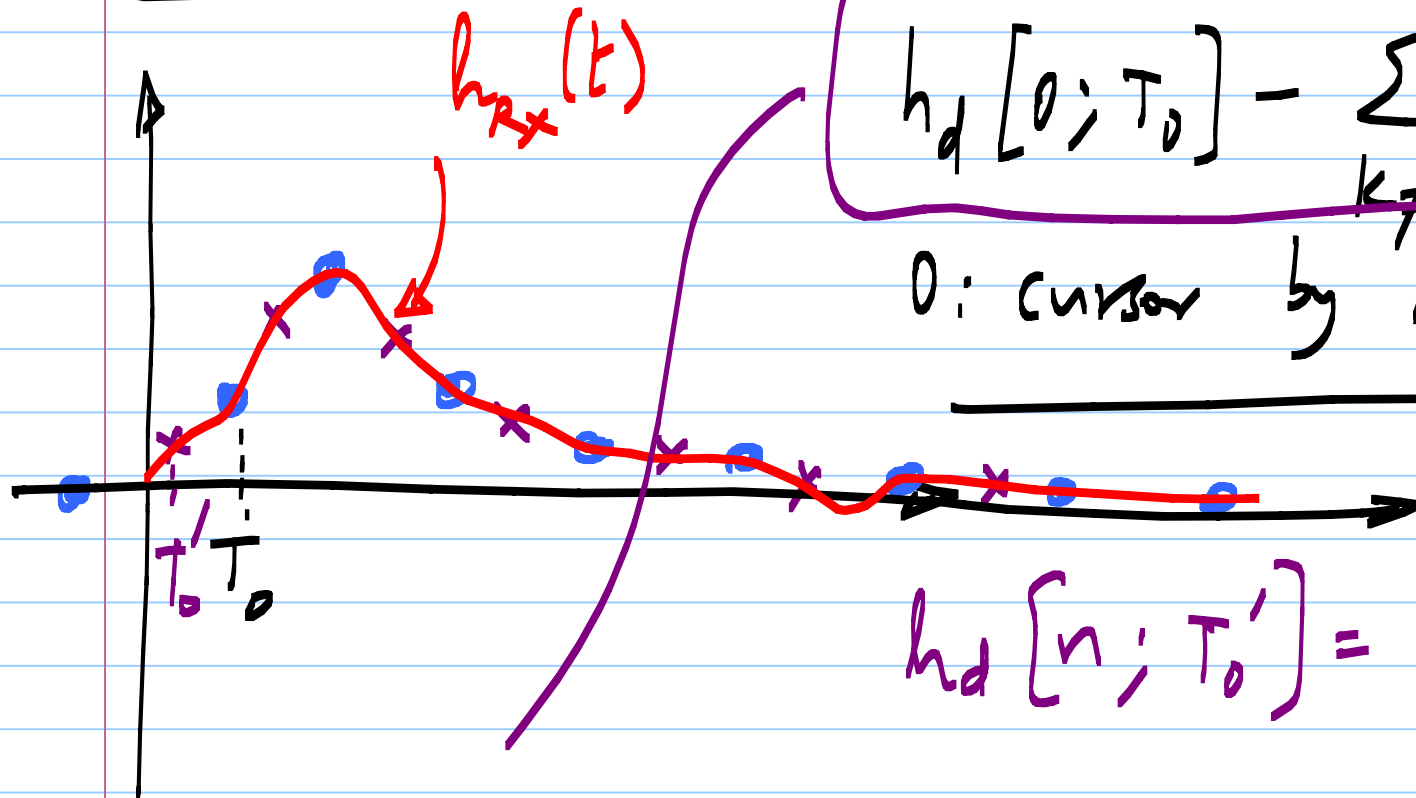
daughter card

Connector





Eye diagram :



$$h_d[n; T_0] = h_{Rx}(nT_s + T_0)$$

$$h_d[0; T_0] - \sum_{k \neq 0} |h_d[k; T_0]|$$

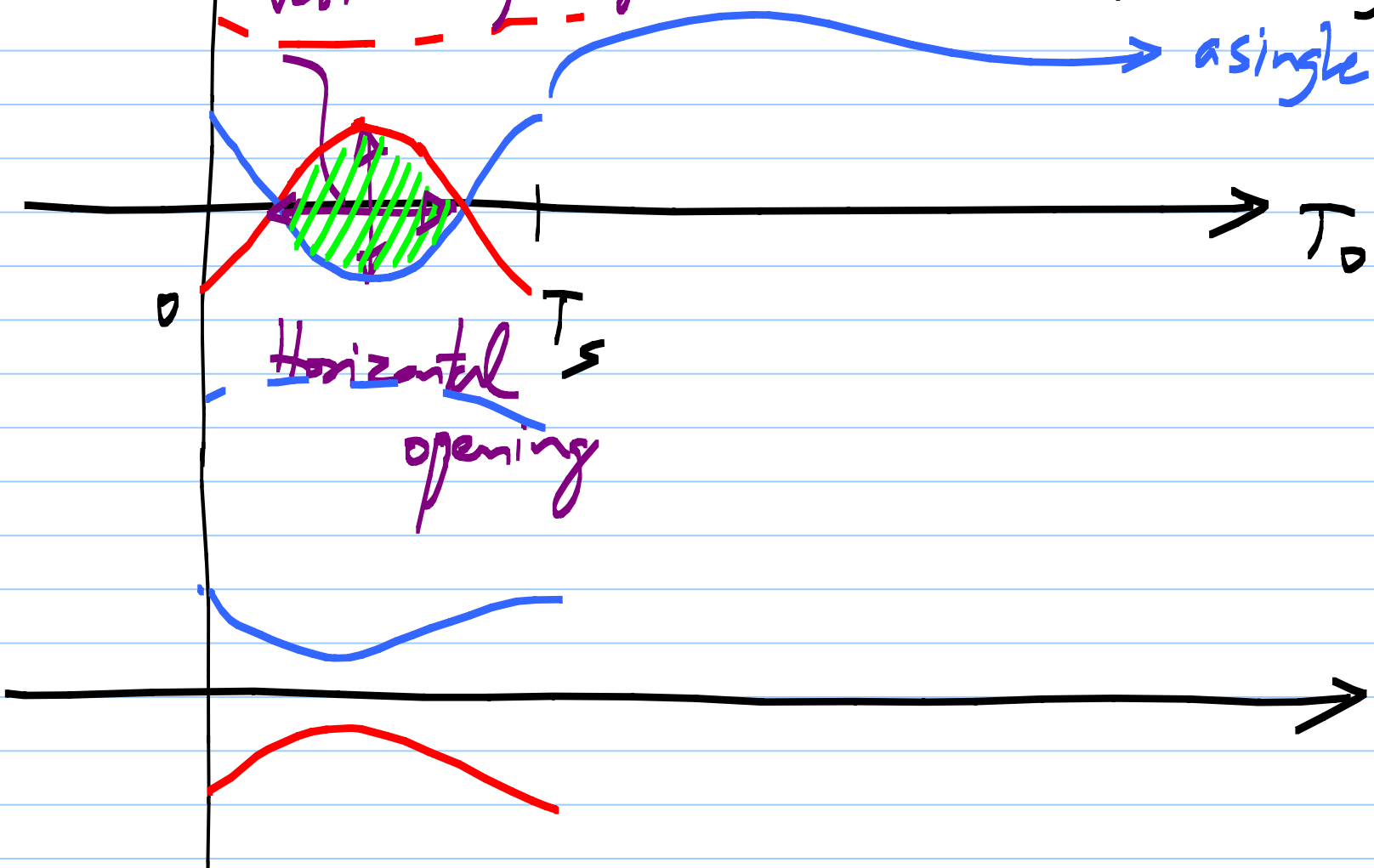
0: cursor by defn.

$$h_d[n; T_0'] = h_{Rx}(nT_s + T_0')$$

worst case received amplitude including ISI

$$A \quad h_d [0; T_0] - \sum_{k \neq 0} h_d [k; T_0]$$

worst case
for a single "1"
a single "-1"



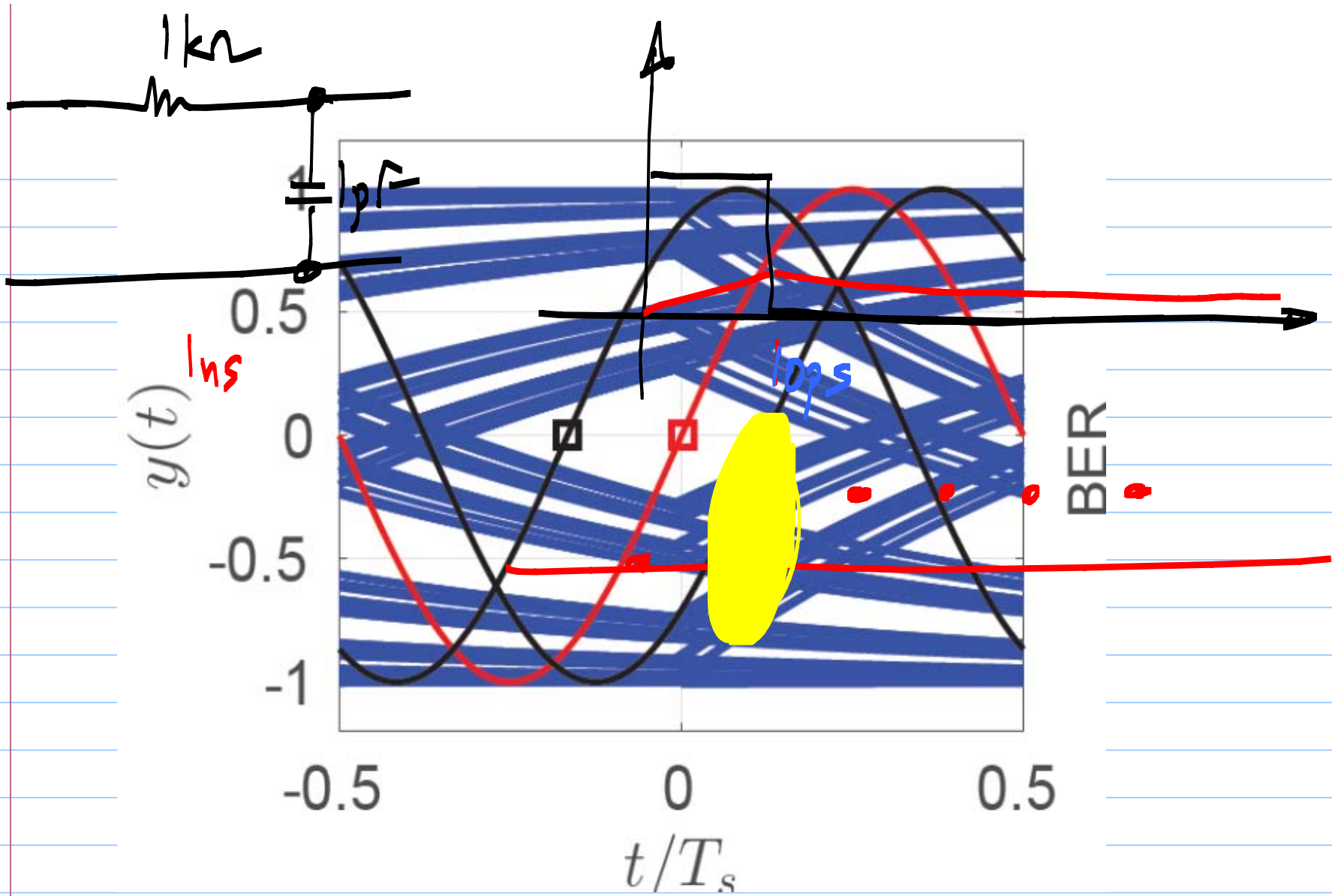
Vertical opening

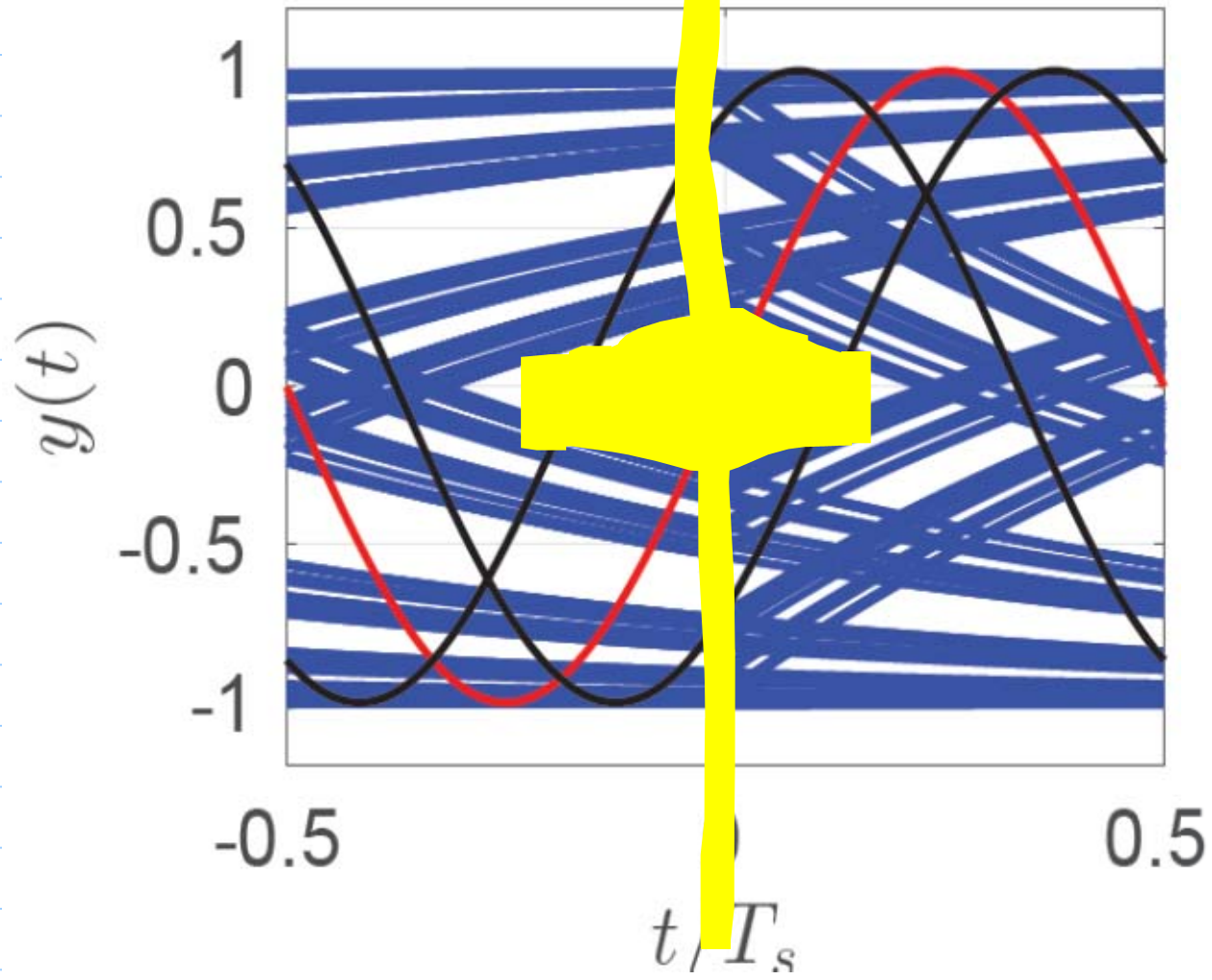
Horizontal opening

0

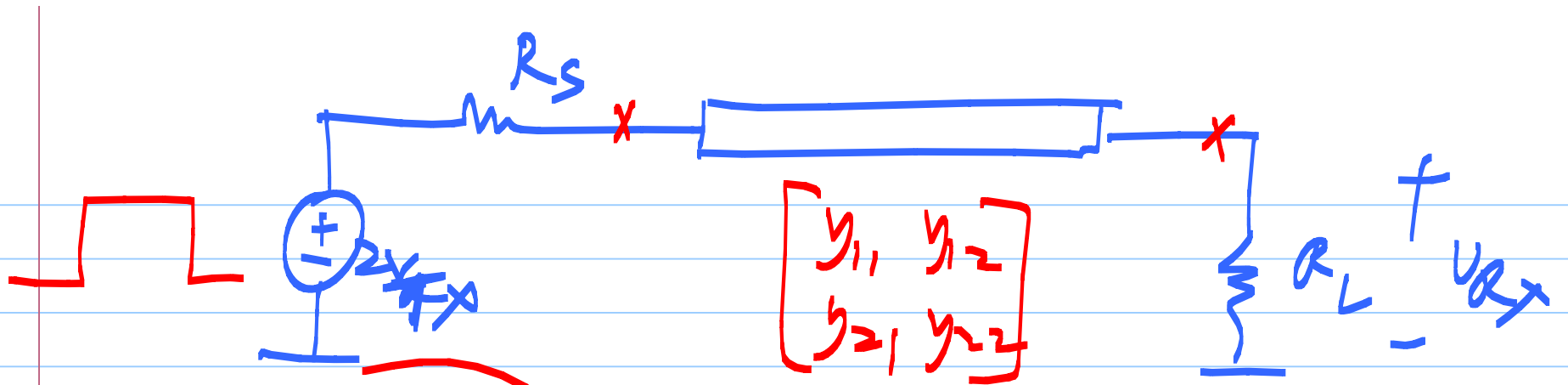
T_s

T_0

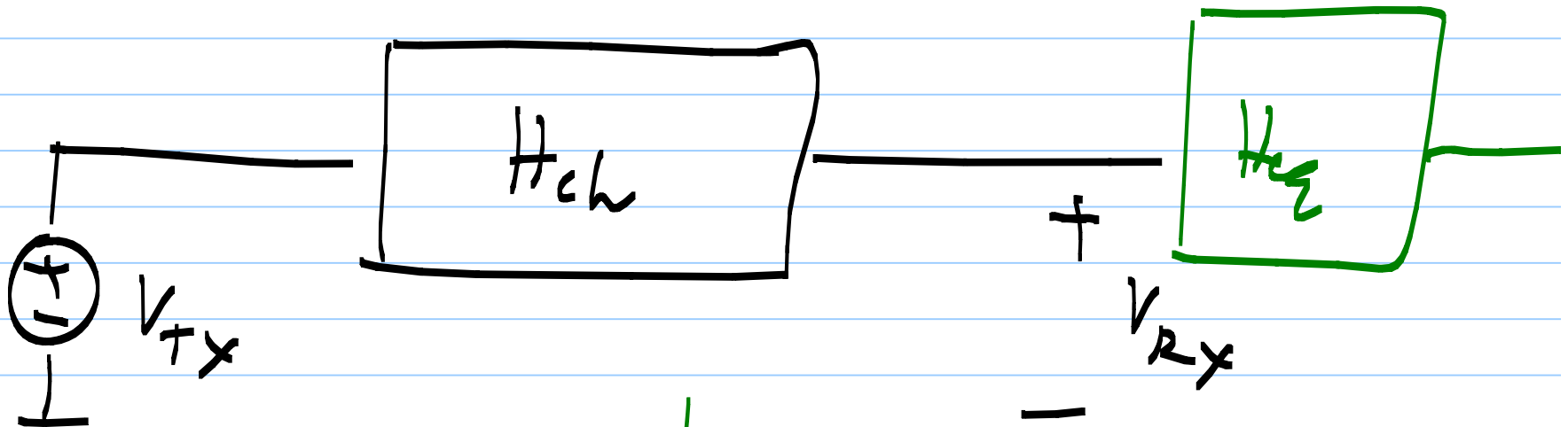
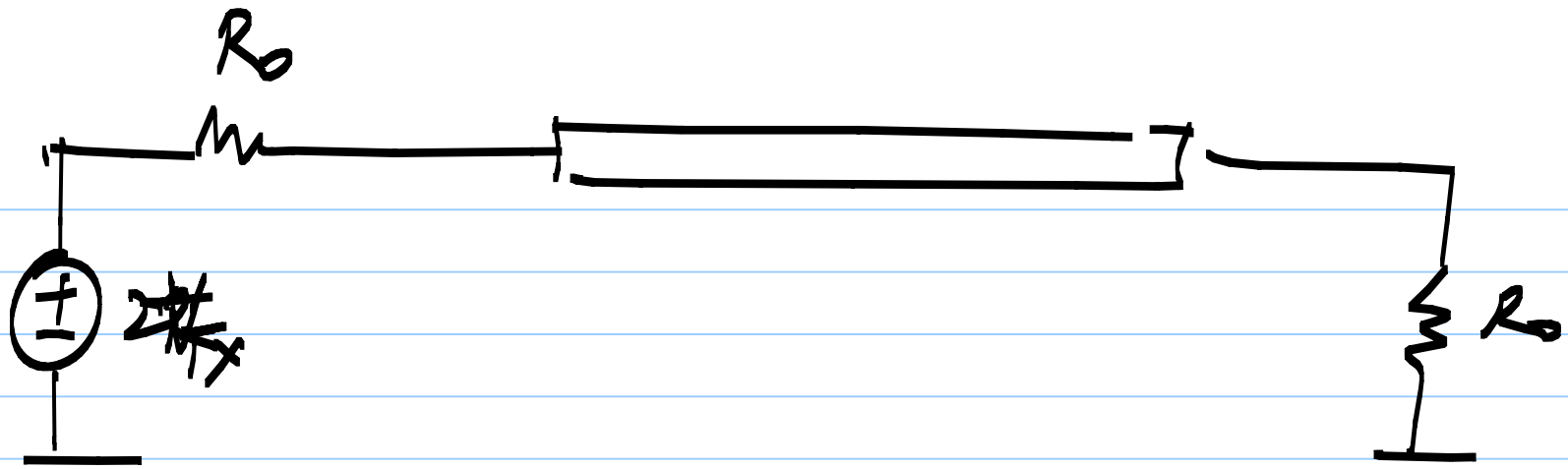




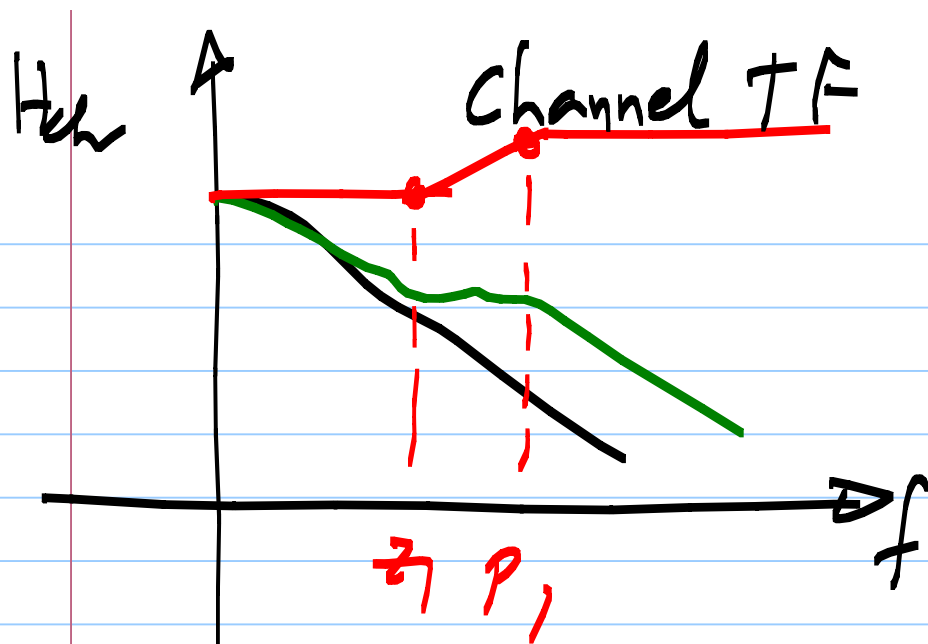
BER



$$\frac{V_{Rx}}{V_{Tx}}$$



$$\underline{H_{cx} = H_{ch}^{-1}}$$



$$H(s) = \frac{1 + s/z_1}{1 + s/p_1}$$

