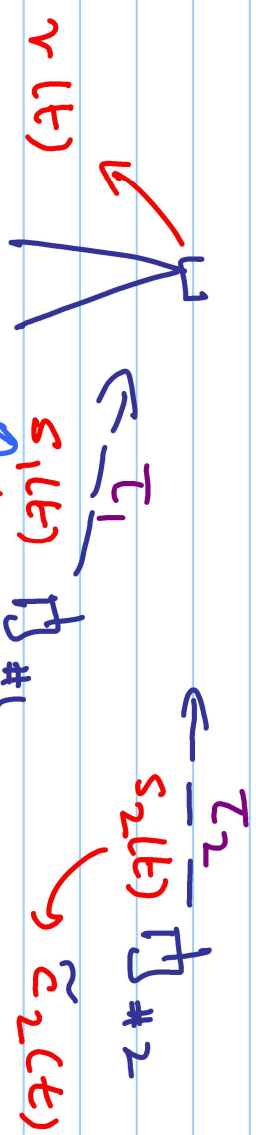
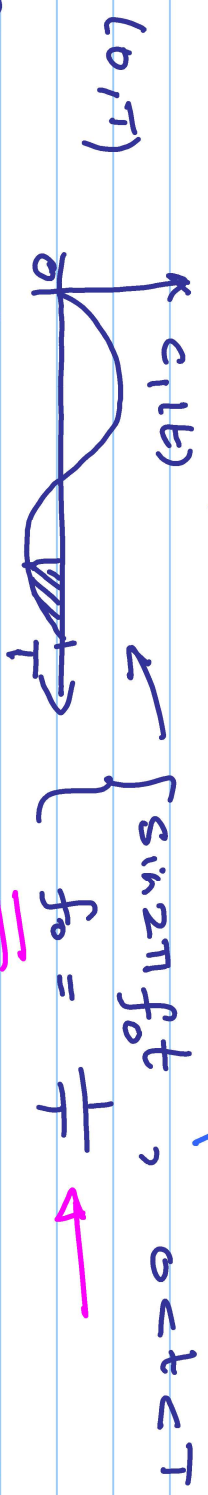


Basis of Block Modulation \rightarrow (1)

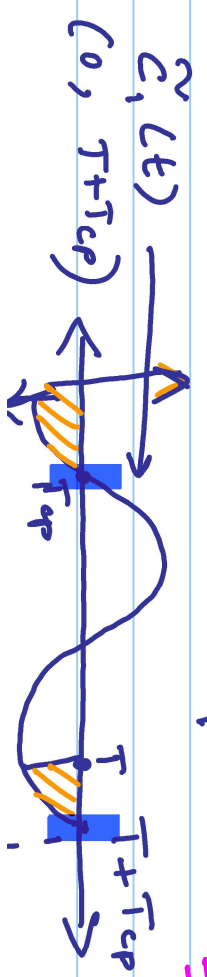
27 Mar

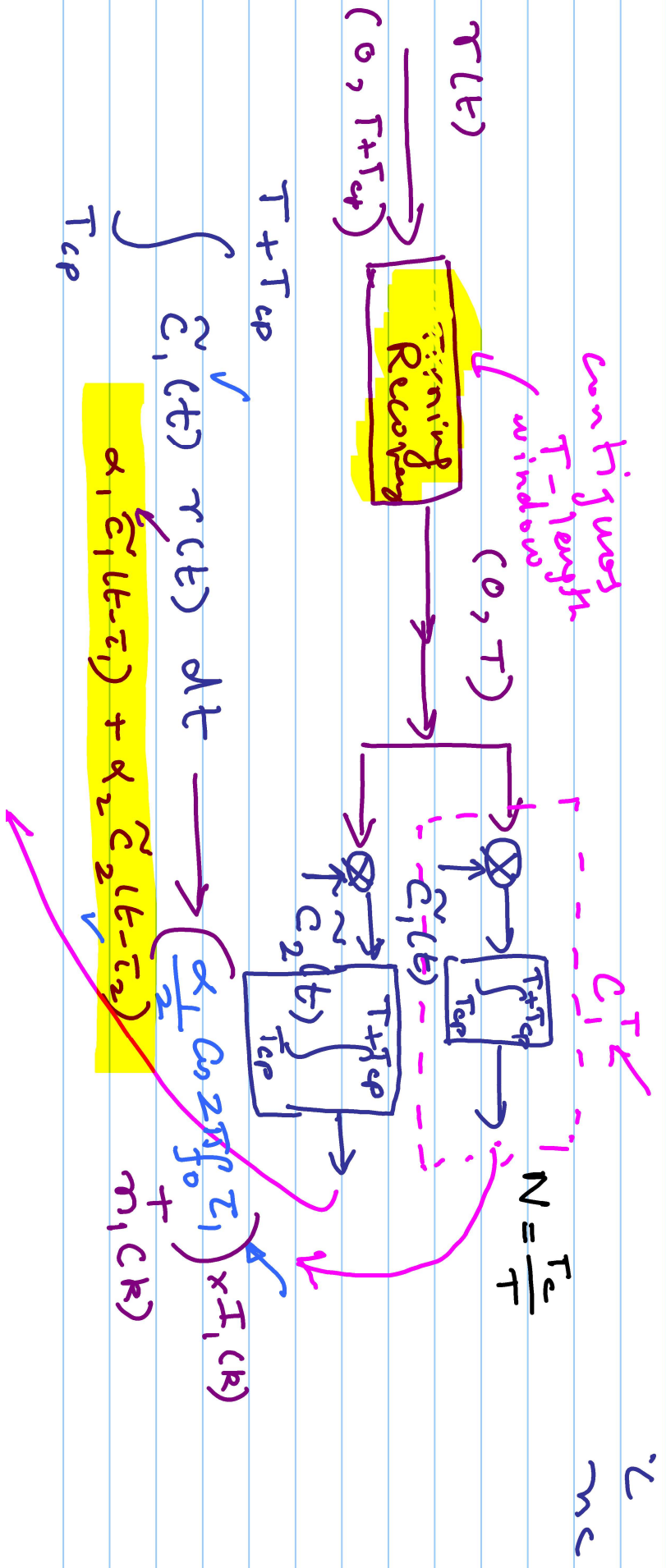
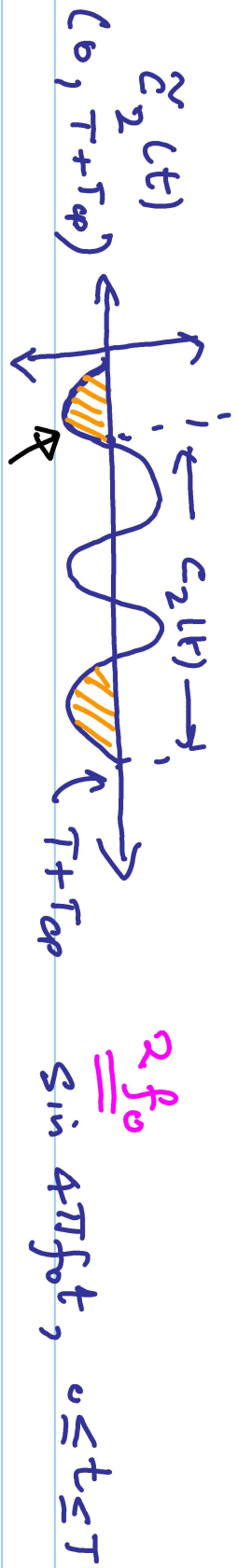


$$r(t) = \alpha_1 c_1(t - \tau_1) + \alpha_2 c_2(t - \tau_2) + n(t)$$



$$f_0 = \frac{1}{T} \quad T_{cp} = T/4 \quad 0 \leq t \leq T$$

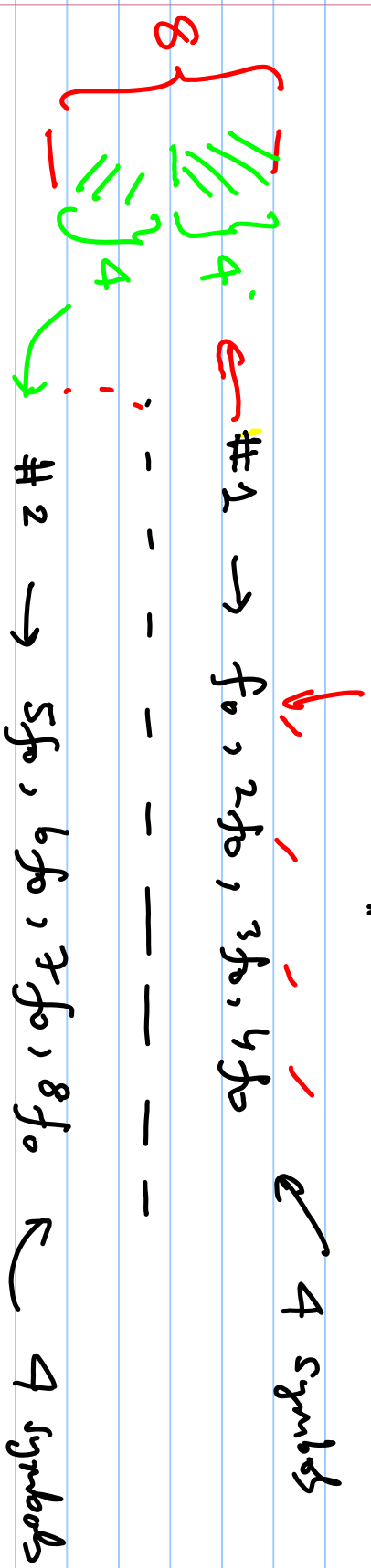
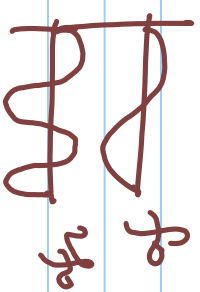




$$\int_{T_{cp}}^{T+T_{cp}} c_1(t) r(t) dt \rightarrow \left(\frac{\alpha_1}{2} \cos 2\pi f_0 \tau_1 \right) x I_1(k)$$

$$\left(\frac{\alpha_2}{2} \cos(2\pi f_0 \tau_2) \right) \times I_2(k) + n_2(k)$$

provided $0 \leq \tau_1, \tau_2 \leq T_{op}$



OFDMA → Bit Rate / Power / Link budget

