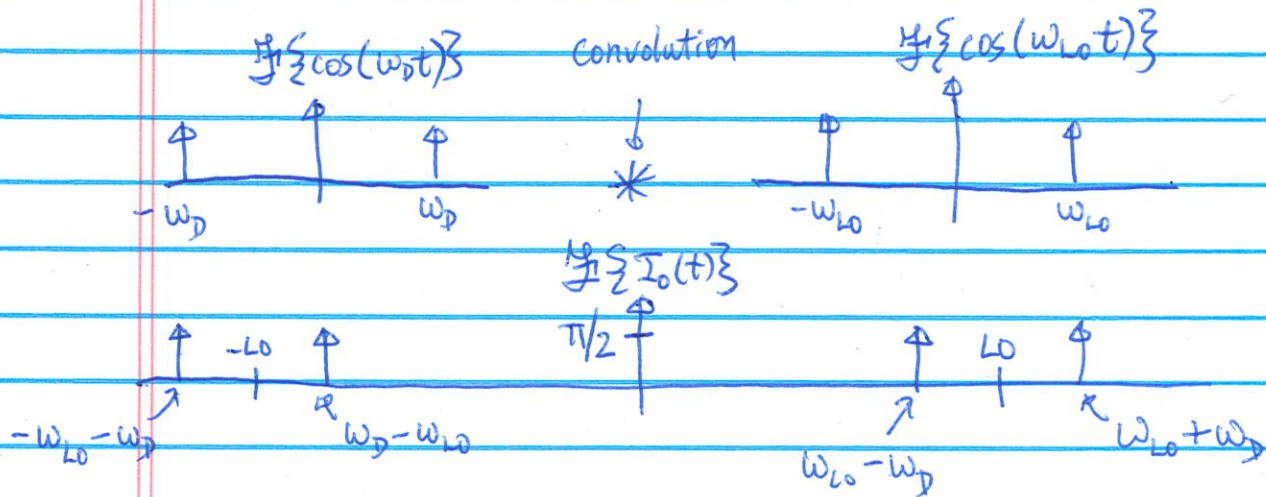
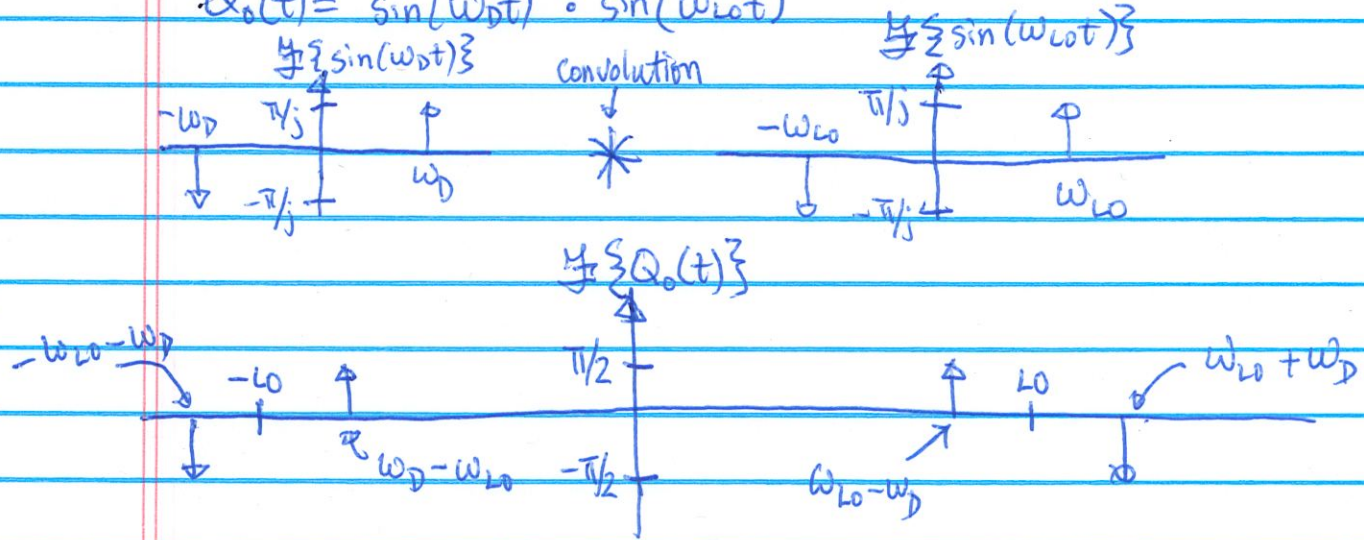
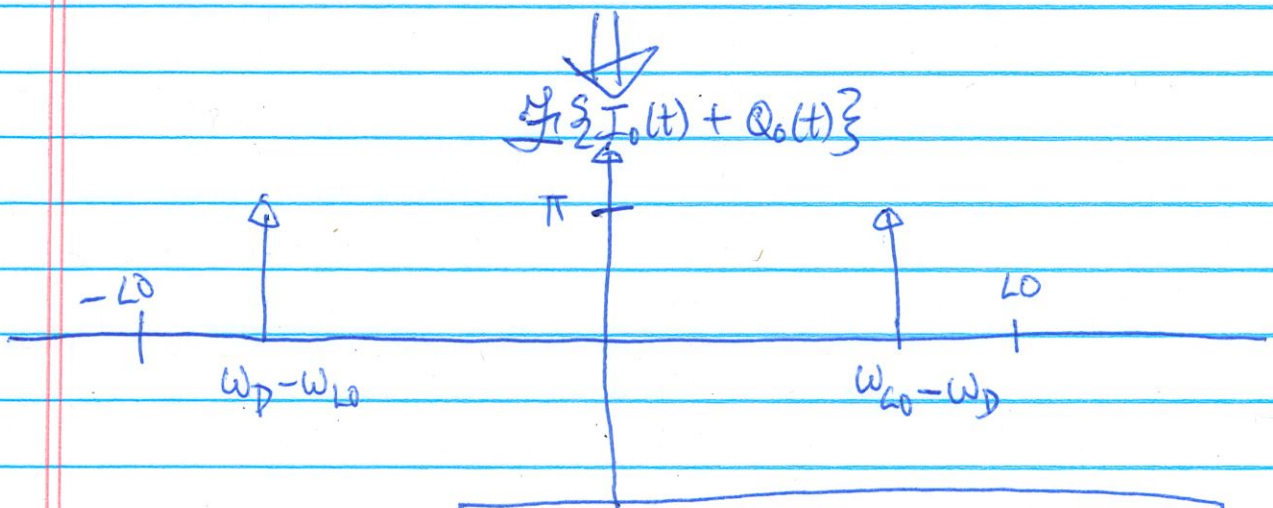
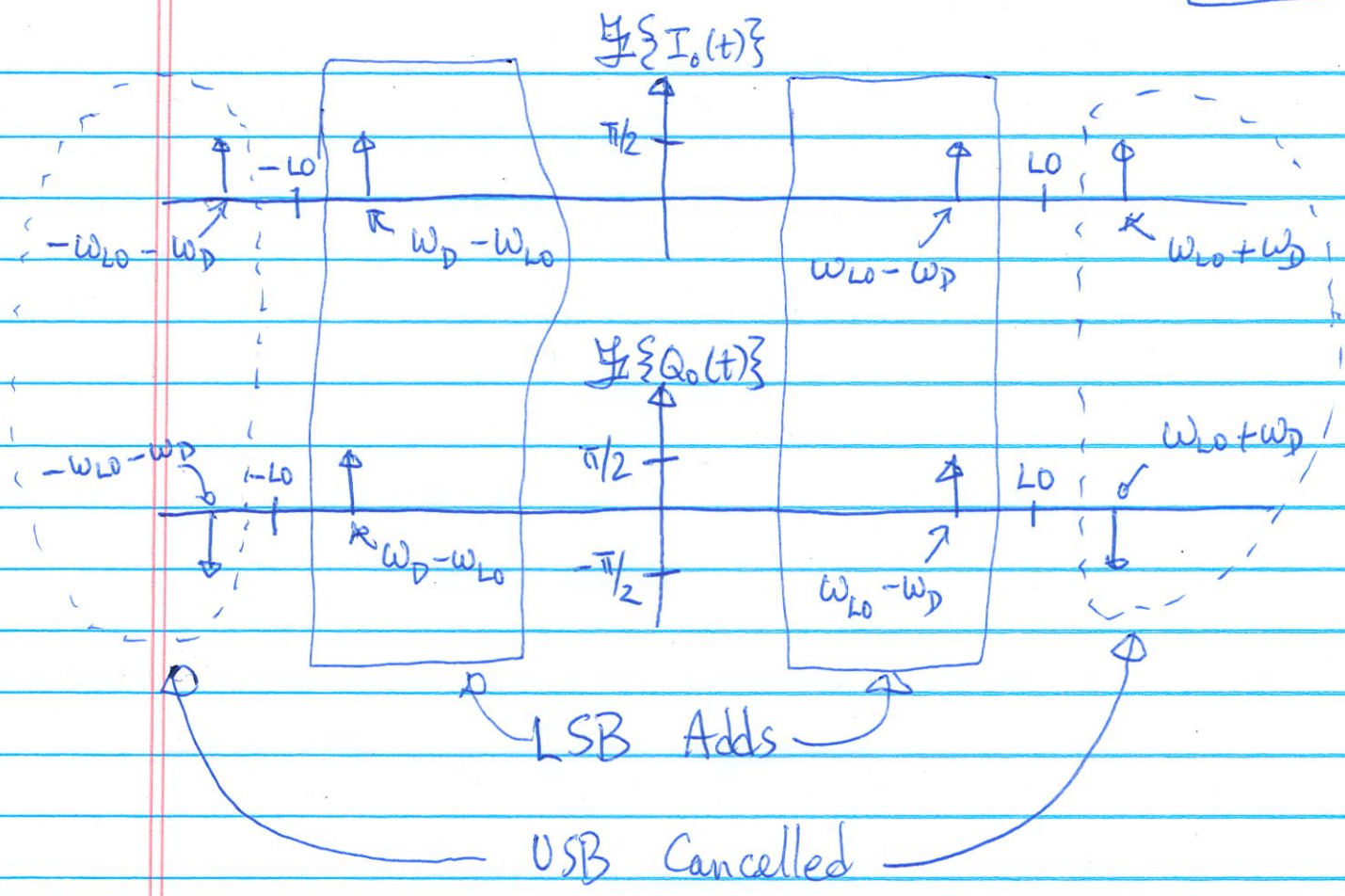


$$I_o(t) = \cos(\omega_p t) \cdot \cos(\omega_{lo} t)$$



$$Q_o(t) = \sin(\omega_p t) \cdot \sin(\omega_{lo} t)$$





LSB when $L_0 = \sin(\omega_{LO}t)$

There is frequency inversion !!