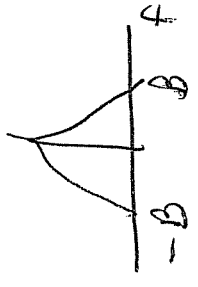
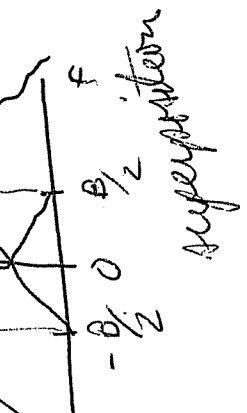
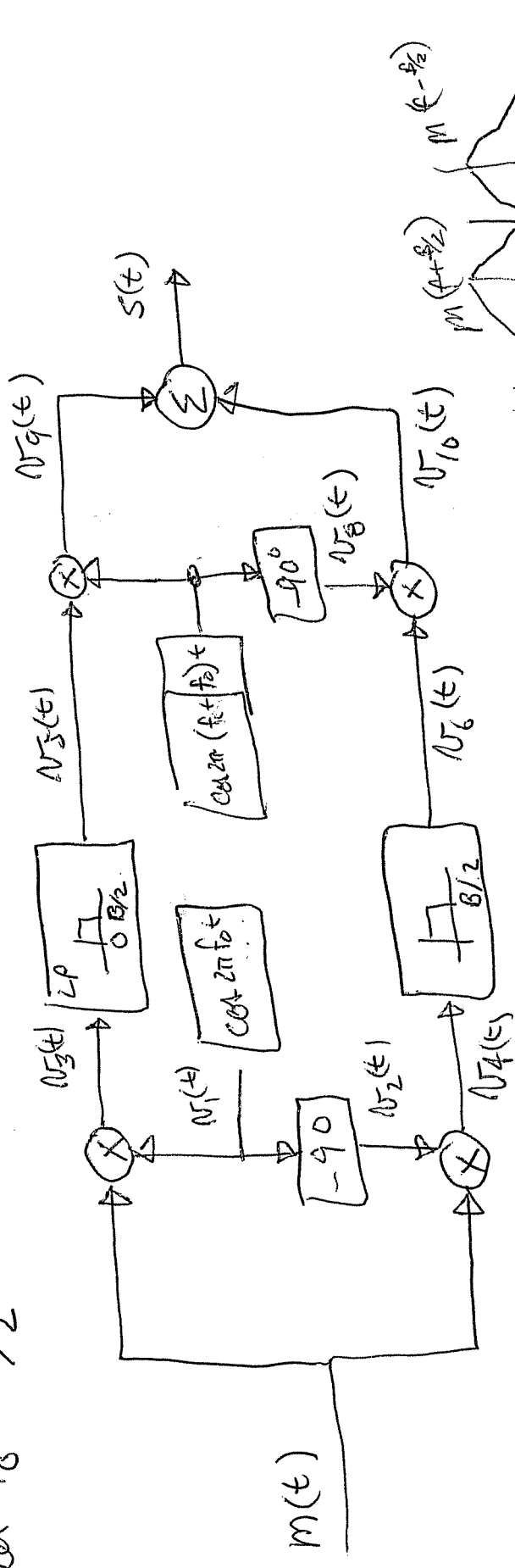


Optional lecture: Weaver Method for SSB

①

problem 5-12

Let $f_0 = B/2$

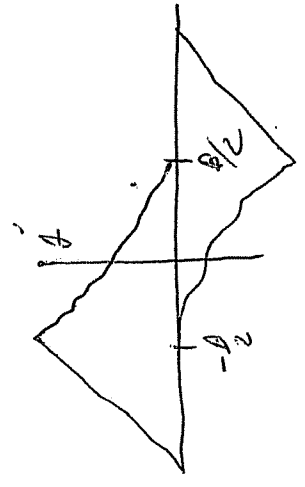


$$V_3(t) = m(t) V_1(t) = m(t) \cos(2\pi \frac{B}{2} t)$$

where $M(f) = \frac{1}{-B}$

$$V_2(t) = \sin 2\pi f_0 t$$

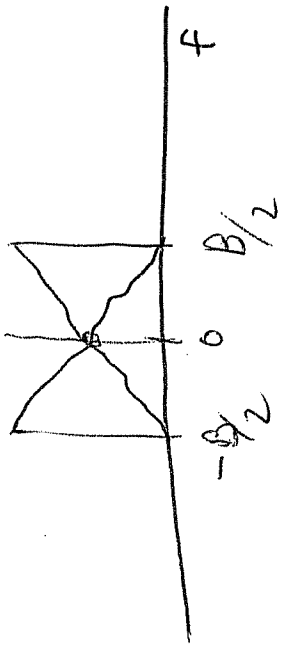
$$V_4(t) = m(t) V_2(t) = m(t) \sin(2\pi \frac{B}{2} t)$$



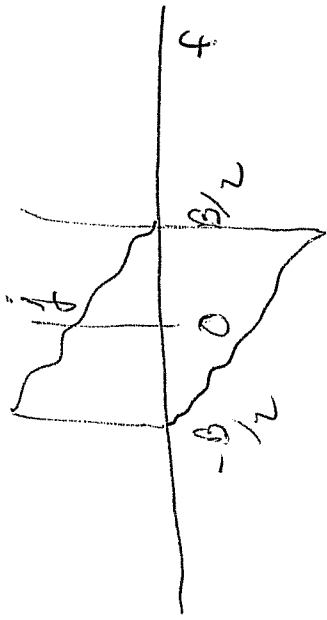
$$V_4(f)$$

(2)

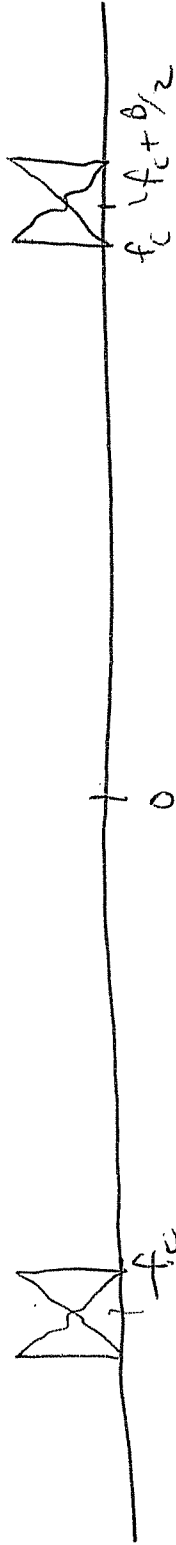
$$V_5(f) \Rightarrow$$



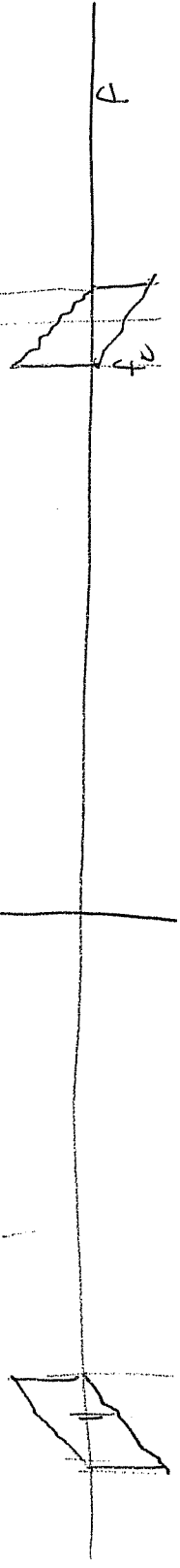
$$V_6(f) \Rightarrow$$



$$V_9(f) = V_5(f) * \delta(f - f_c) \Rightarrow$$



$$V_{10}(f) \Rightarrow V_6(f) * \delta(f - f_c) \Rightarrow$$



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