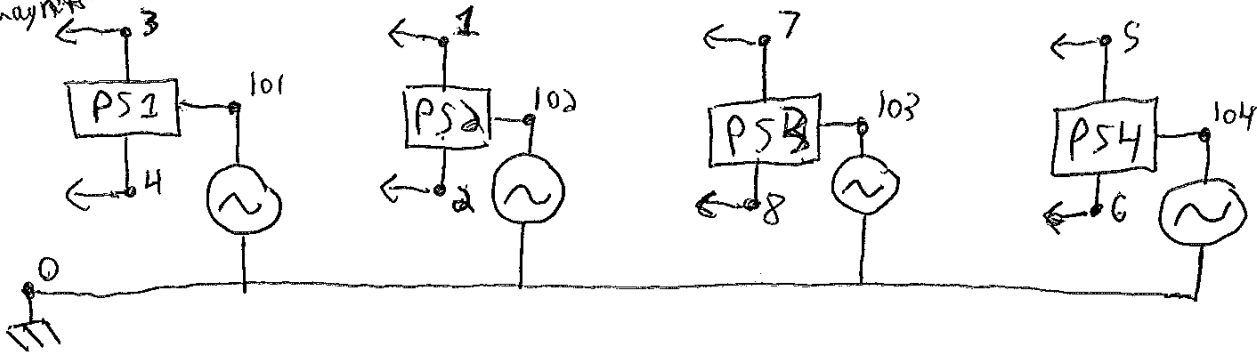
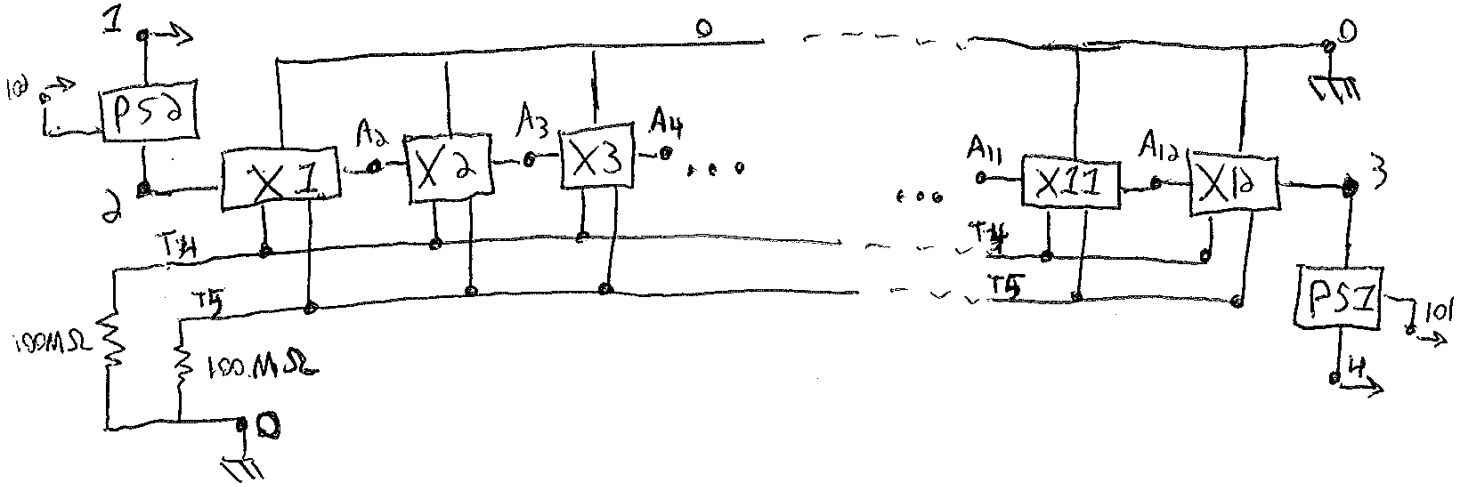


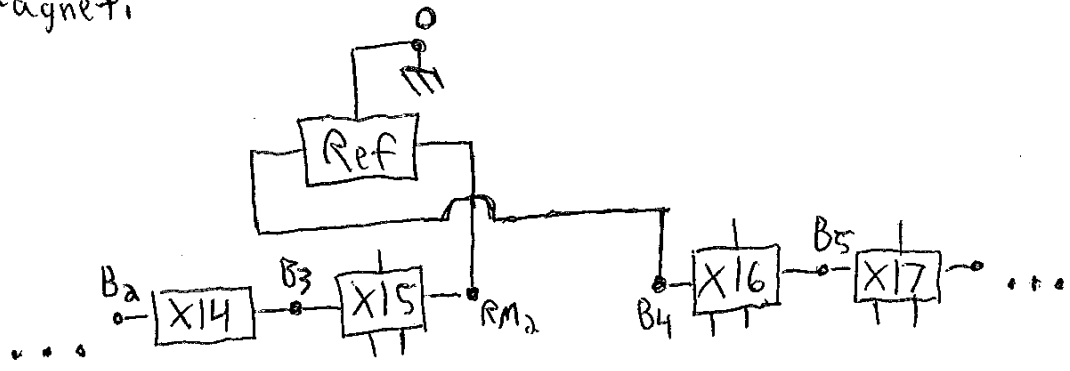
To Booster Magnets:
Power Supplies:



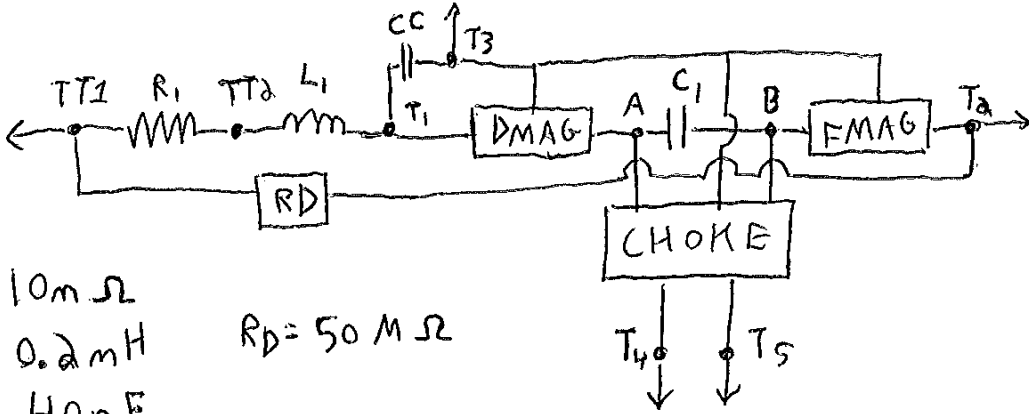
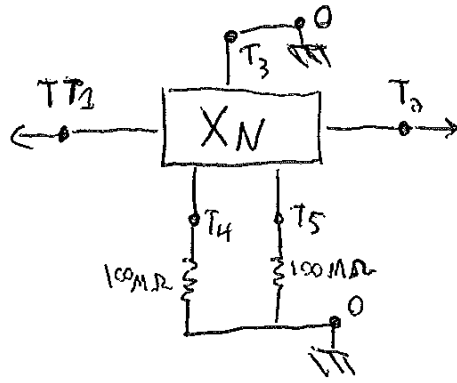
Magnets:



Reference Magnet:

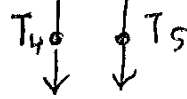


Magnet Cell:

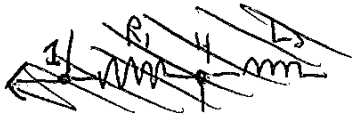


- $R_1 = 10\text{m}\Omega$
- $L_1 = 0.2\text{mH}$
- $CC = 40\text{nF}$
- $C_1 = 8250\mu\text{F}$

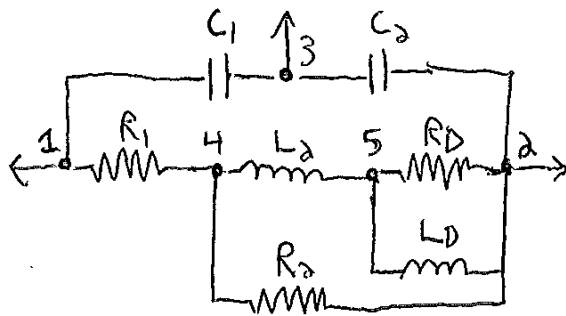
$R_D = 50\text{M}\Omega$



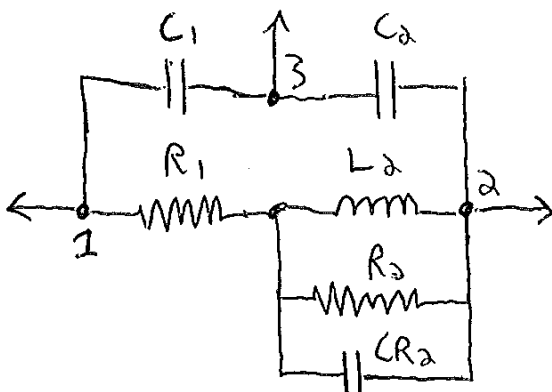
Dmagnet/Fmagnet:



- $R_1 = 17\text{m}\Omega$
- $R_2 = 3000\Omega$
- $R_D = 38\Omega$
- $C_1 = 22\text{nF}$
- $C_2 = 22\text{nF}$
- $L_D = 4.1\text{mH}$

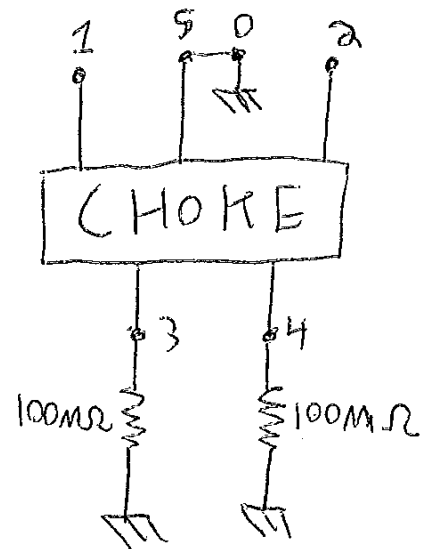
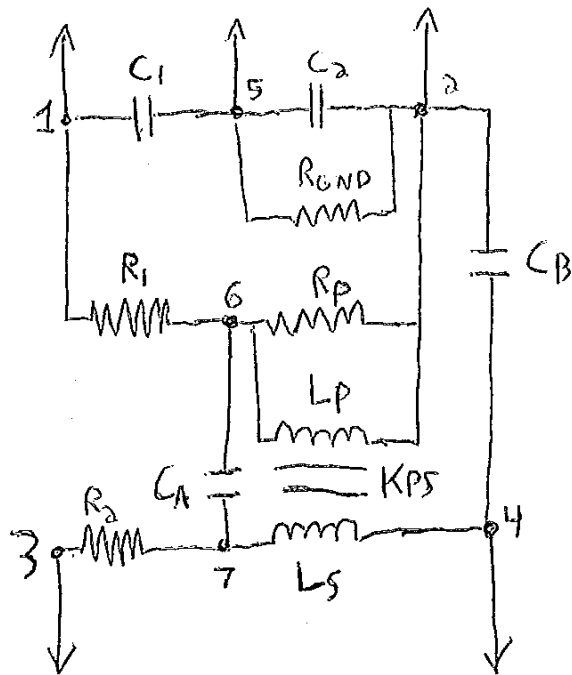


Reference Magnet:



- $R_1 = 9.64\text{m}\Omega$
- $R_2 = 1800\Omega$
- $L_2 = 2.23\text{mH}$
- $CR_2 = 3\mu\text{F}$
- $C_1 = 2.4\text{nF}$
- $C_2 = 2.4\text{nF}$

Choke:



$$R_1 = 36 m\Omega$$

$$R_2 = 295 m\Omega$$

$$R_p = 5000 \Omega$$

$$L_p = 40 mH$$

$$L_s = 40 mH$$

$$C_1 = 2 nF$$

$$C_2 = 2 nF$$

$$R_{GND} = 10 M\Omega$$

$$KPS \quad L_p \sim L_s$$

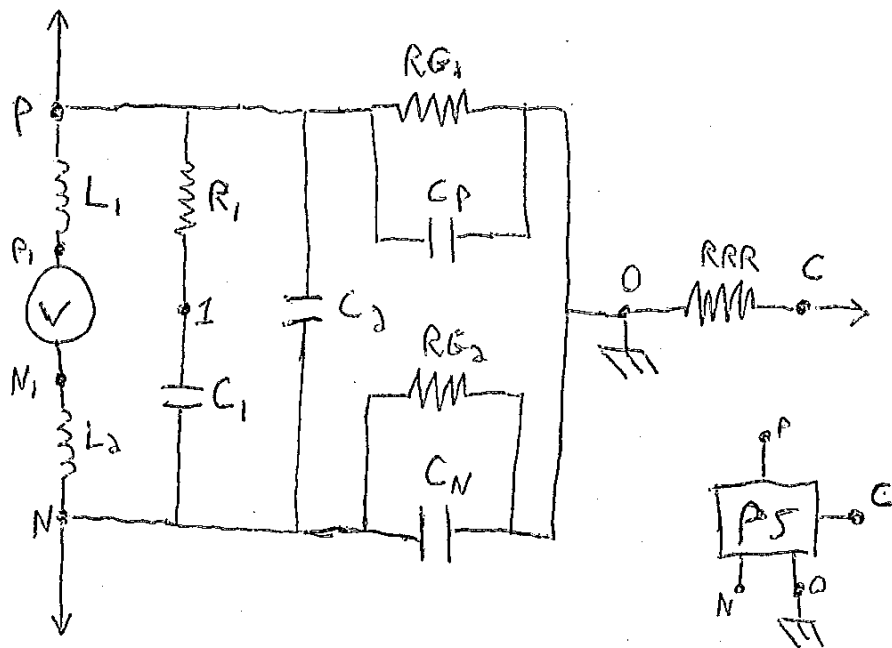
$$K = 0.999$$

Mutual
Inductance

$$C_A = 92 nF$$

$$C_B = 92 nF$$

Power Supply:



$$L_1 = 0.9 \text{ mH}$$

$$L_2 = 0.9 \text{ mH}$$

$$R_1 = 1.76 \Omega$$

$$C_1 = 2422 \mu\text{F}$$

$$C_2 = 486 \mu\text{F}$$

$$R_{G1} = 50 \text{ k}\Omega$$

$$R_{G2} = 50 \text{ k}\Omega$$

$$C_P = 1 \text{ mH}$$

$$C_N = 1 \mu\text{H}$$

$$R_{RR} = 1000 \Omega$$