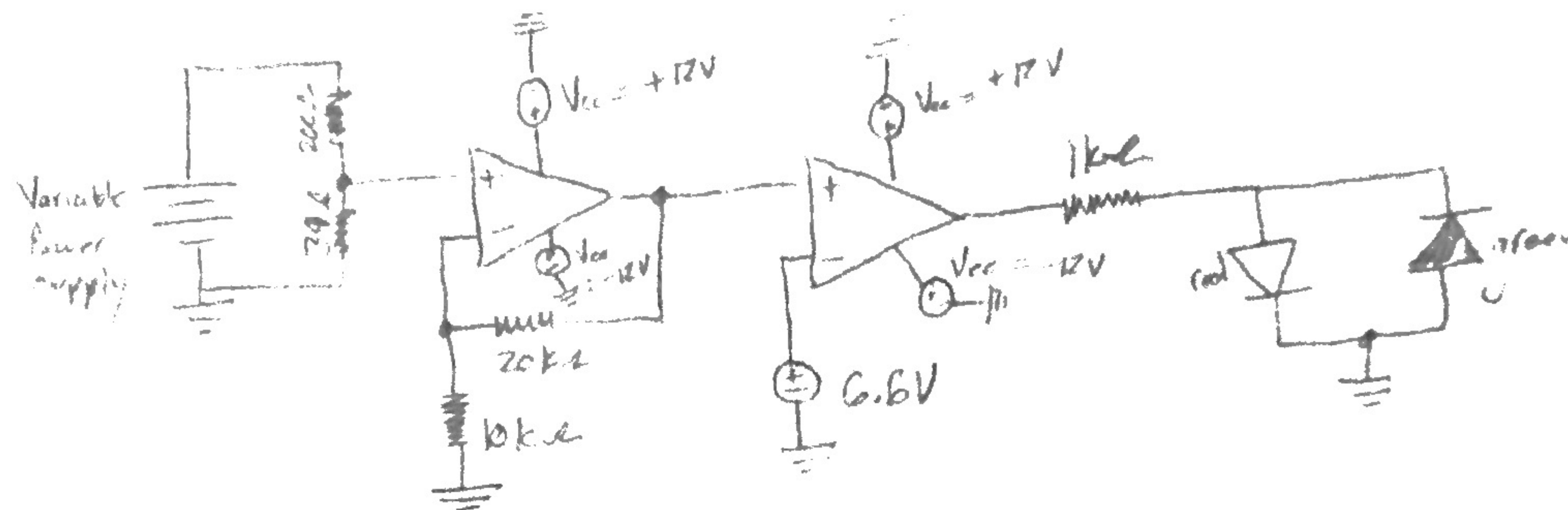
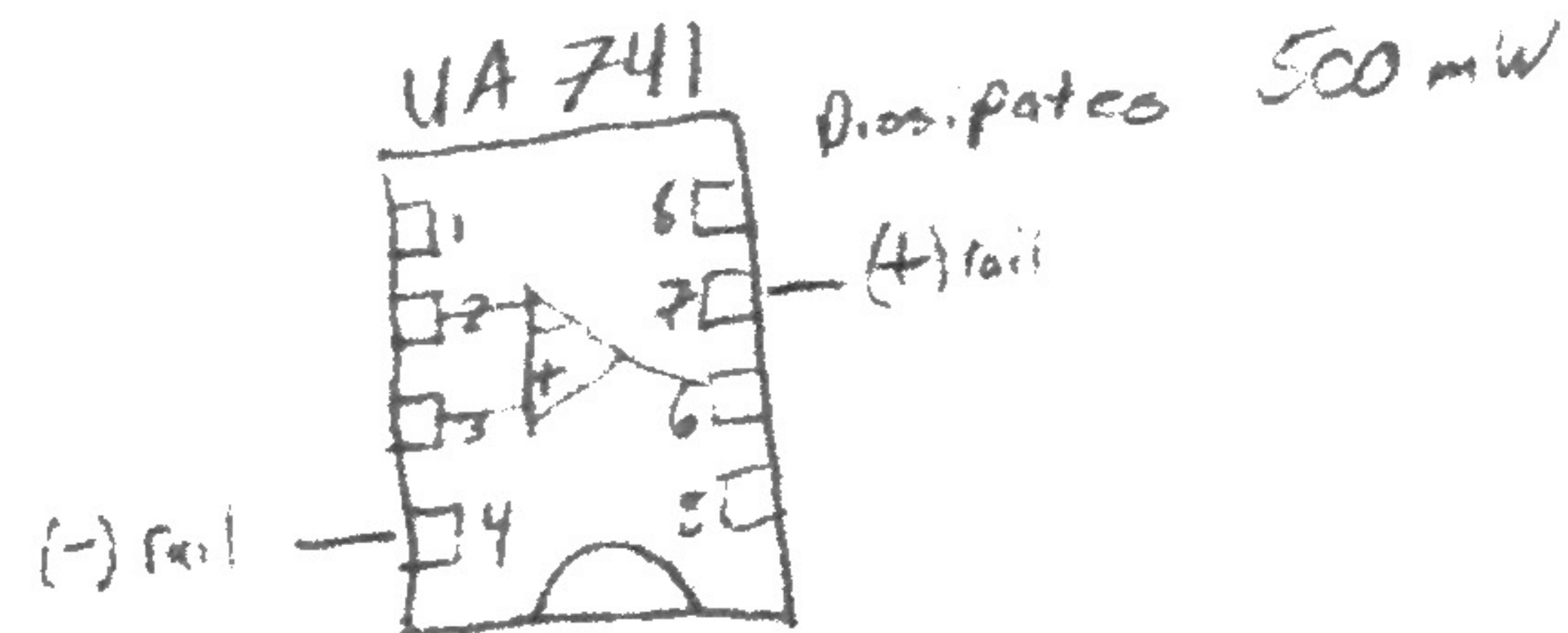


Bryan Guner
2/4



$$R_L \approx \frac{V_{a \text{ nom}}}{I_L \text{ nom}} = \frac{12}{0.05} = 240\Omega$$

$$P_L \text{ nom} = I_L^2 \cdot R_L = (0.05)^2 \cdot 240 = 0.6 \text{ Watts}$$



red led is
SR3HD-10

green led is
15308 OP

Led Specs:

Power dissipation: 80 mW

Forward Current: 20 mA

Peak Forward Current: 100 mA

Reverse Voltage: 5V

Voltage drop: (2.1 - 2.6)V