Power budget 2mw = 1.8v x Itotal

$$I+otal = \frac{2 \times 10^{-3}}{1.8} = 1.11 \text{ mA} = I_{REF} + I_{copy}$$

$$= \frac{2J61/(V_{401} - V_{741})}{1J61 + l_2J61} = \frac{2}{(V_{401} - V_{741})(J_1 + J_2)} = 0.73 V$$

$$I_{REF} \times \frac{(W/L)_{L}}{(W/L)_{REF}} = I_{COPY}.$$

$$thus, \frac{(W/L)_{2}}{(W/L)_{REF}} = \frac{6.05 \times 10^{-4}}{0.505} = \frac{1.12}{11}$$