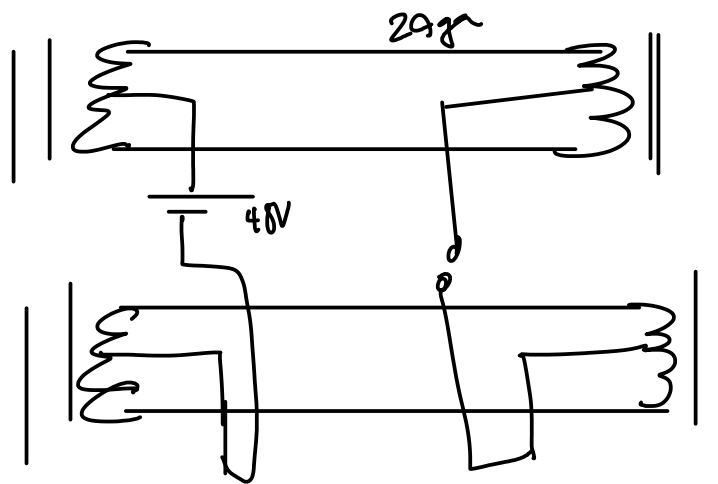# Lecture 11

**Exercise 1**: How many possible OUI's are there? How many devices can be manufactured for each OUI?

$$2^{(3\times 8)} = 2^{24} = 16\times 10^{6} - OUIs$$

$$2^{24} \quad L.S. \quad 3 \text{ bytes of MAC}$$



transfer of DC power over 2 pairs for Power over Ethernet (PoE)