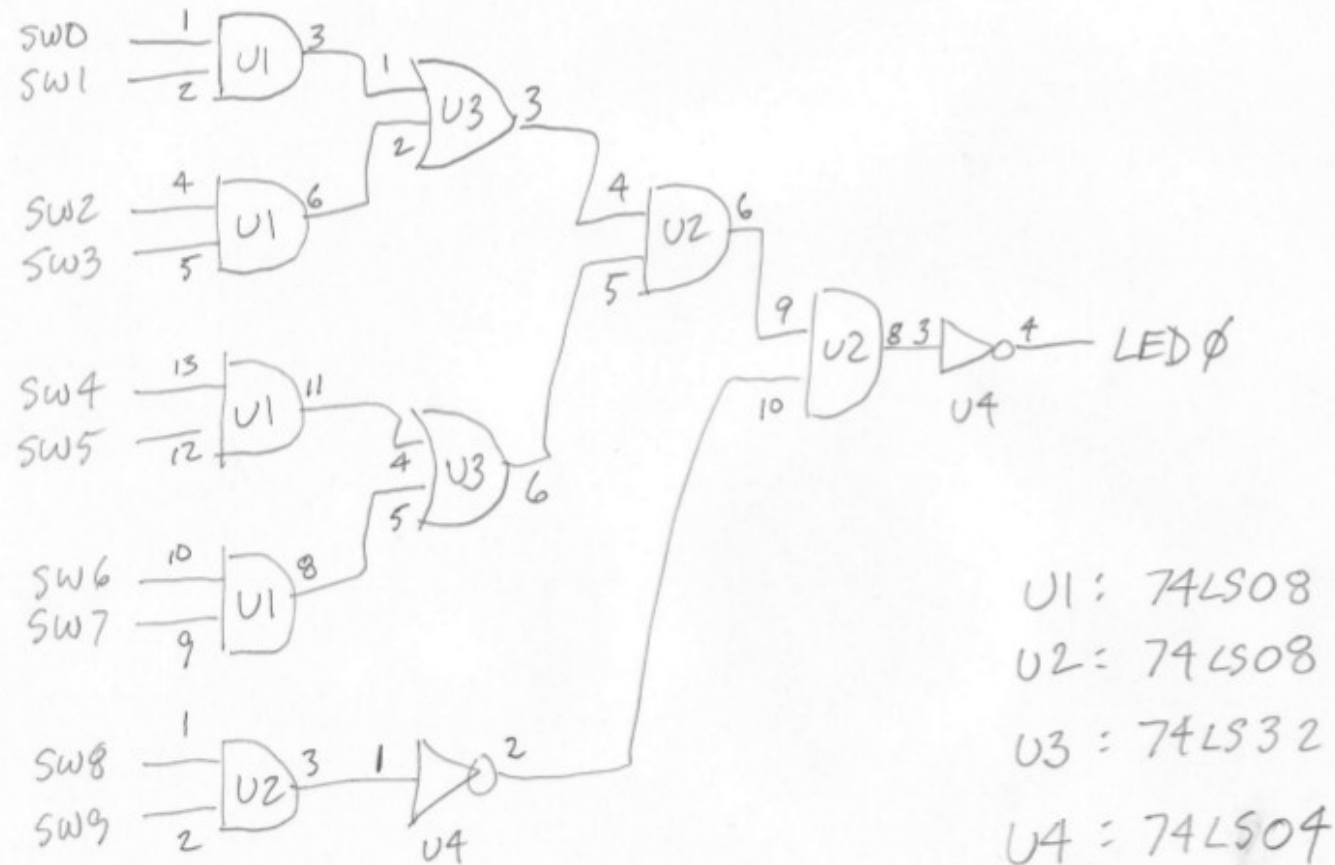


ECE241 Lab #1 Hints

- Preparation is key for quick completion of labs
- Thoroughly read the lab handouts
 - There's lots of useful information there
- Plan circuit using schematic
- Familiarize yourself with the equipment
- Plan out your breadboard
 - Place all necessary chips and header first
 - Then start wiring



Schematic Example



Don't forget to connect power and ground on your physical circuit!

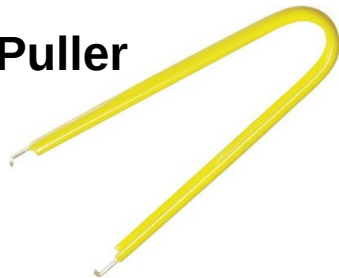
SILLY CIRCUIT
PAUL CHOW
SEPT 11, 2014

Equipment

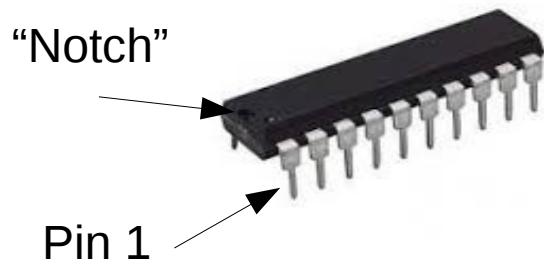
Logic Probe



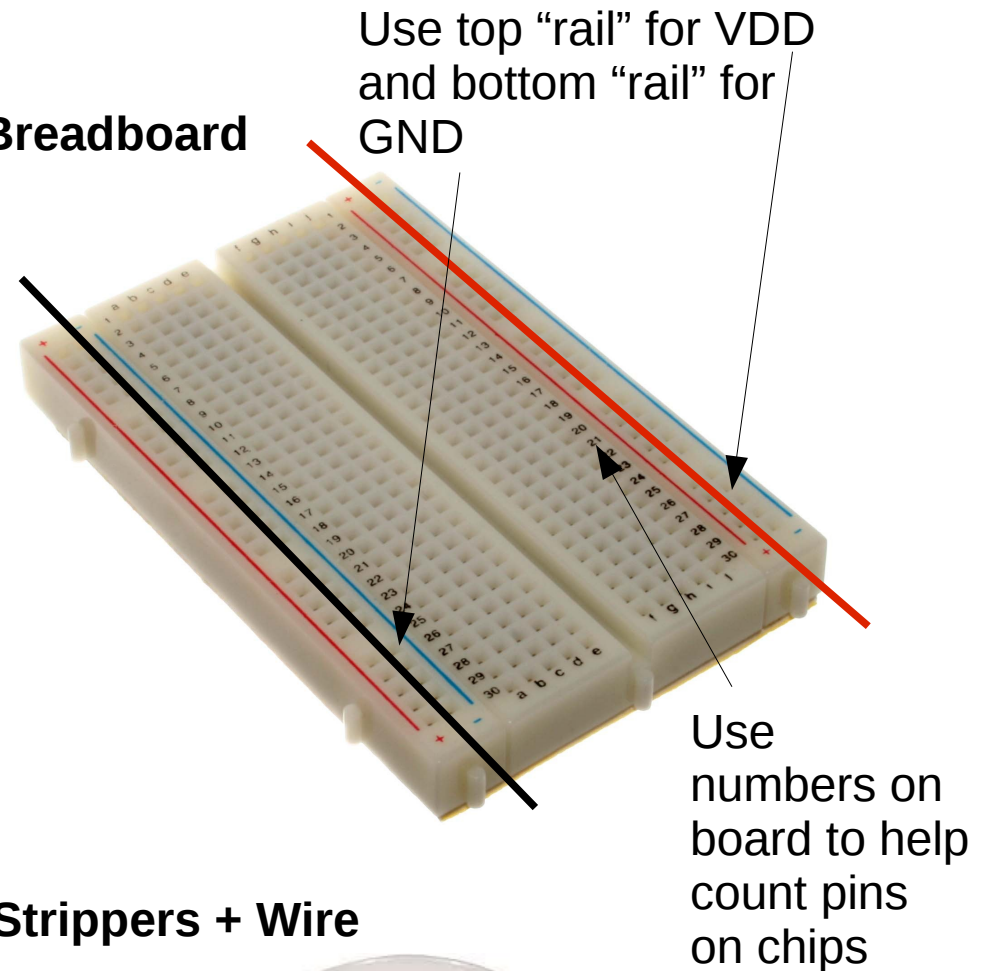
Chip Puller



74XX Chip



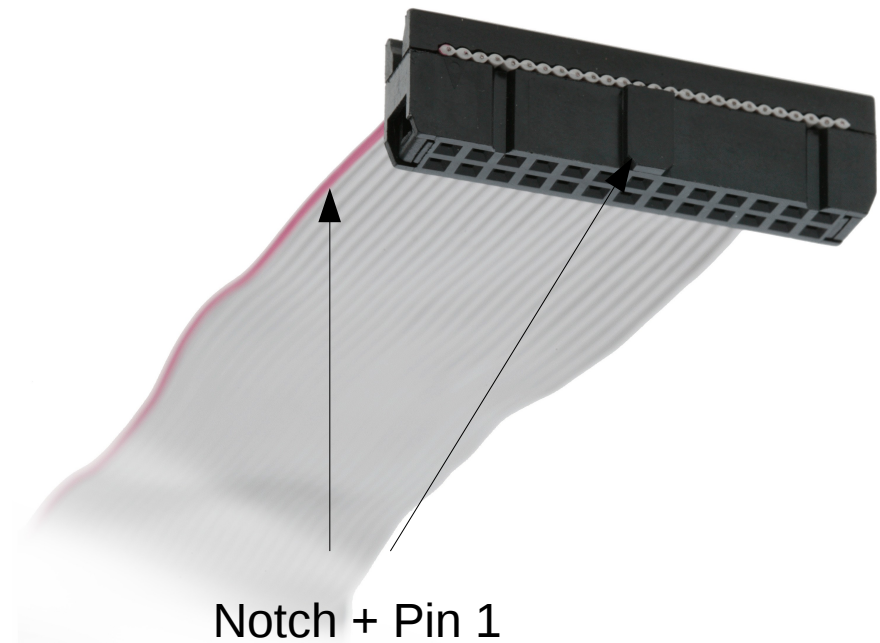
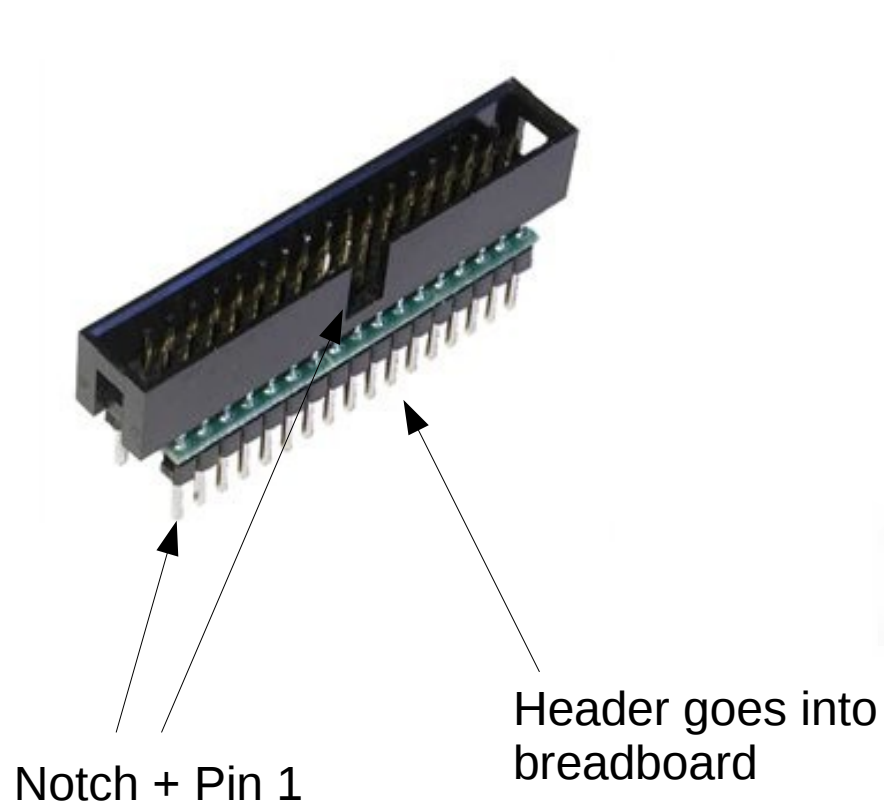
Breadboard



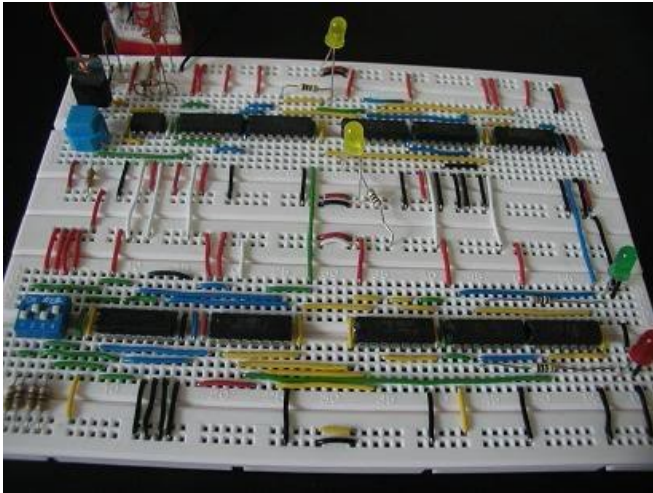
Wire Strippers + Wire



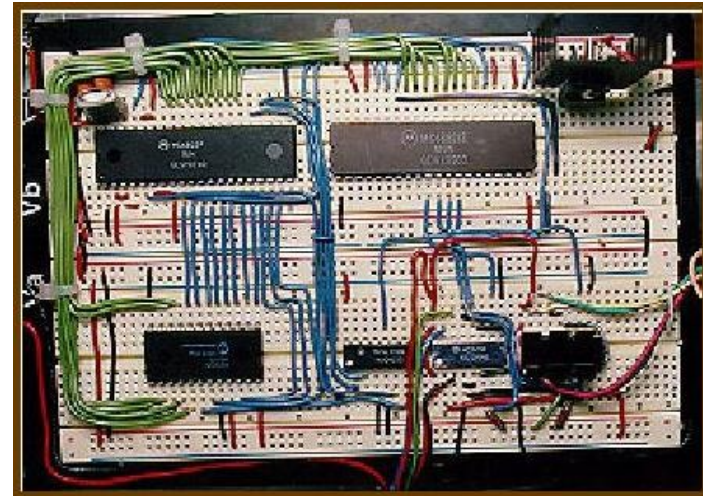
Pin Headers + Ribbon Cables



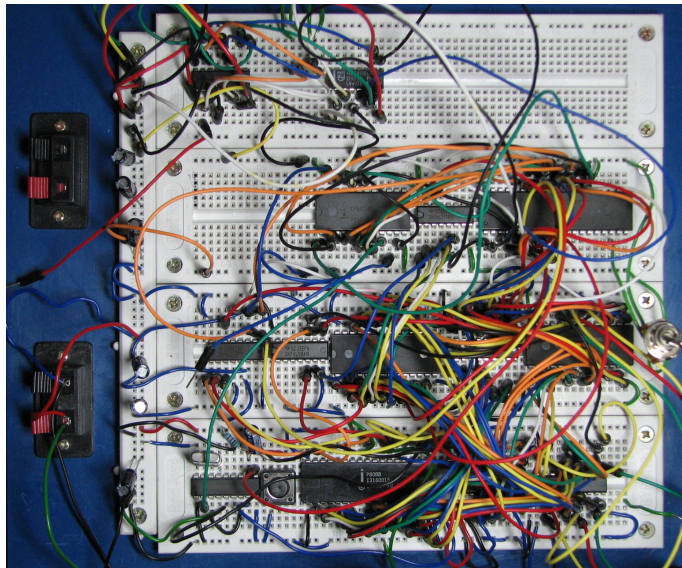
Breadboard Neatness



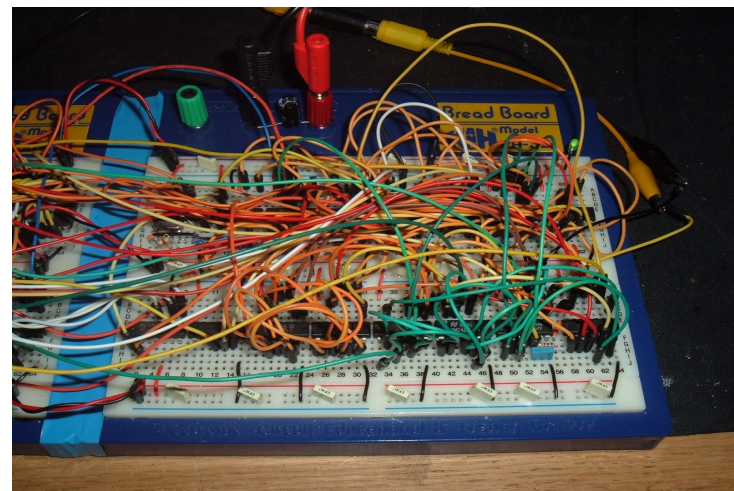
Overkill for Lab 1



Well planned, Easily debugged



OK for Lab 1



Lab Nightmare...