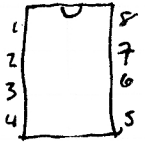
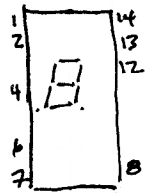


* Count pins on an IC from the top-left corner, go clockwise:



not all pins exist. insert @ breadboard & count 7 holes on each side



* power flows for low pin to short

* 2.7k = red violet red
2.2k = red red red
1M = brown black green