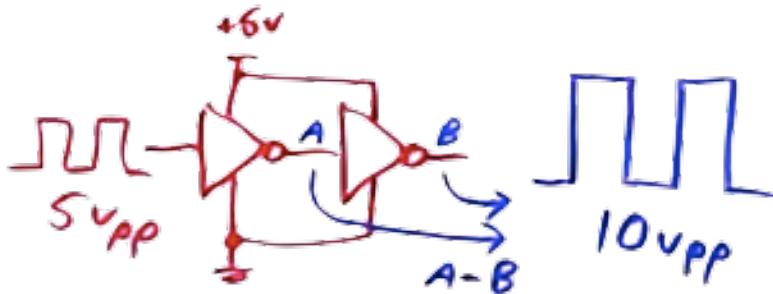


"Voltage doubling" to drive a LCD :



Mmmh... Voltage doubling, really ? NO !

*Vpp is NOT A VOLTAGE.*

*A voltage is the difference of two potentials AT THE SAME POINT IN TIME. That is not how Vpp is measured though. Vpp describes a time-dependent signal and is the difference of the highest and lowest amplitude regardless of where those appear in time.*

*This isn't voltage doubling. You've got 5V DC in, you have 5V AC RMS coming out. Peak-to-peak is meaningless—there's never more than 5V across the LCD.*