



In the same car CD player design, the reading laser needs to be supplied with 2 Volts, which has a resistance of 2kΩ. This can easily be solved by a voltage divider except that the voltage source is not stable unless 3 Amp are pulled from it. Design a combination voltage and current divider that will pull 3 Amps from the voltage source and still provide 2 Volts to the laser.