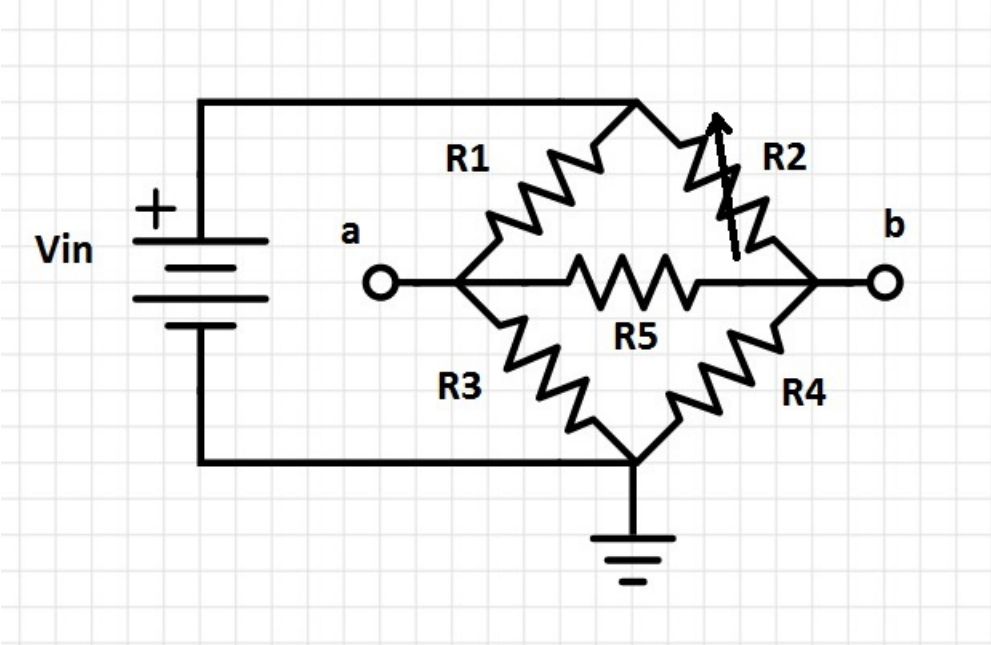
ELEN 3381 Assignment #9

Due date: Shown on the LULearn (Blackboard).

Plot Vout = a – b, versus R2 in the range from 1 kΩ to 100 kΩ in the following diagram. Use R1 = R3 = R4 = R5 = 20 kΩ and Vin = 10 V.




Please submit:

1. Matrix form of your equation.
2. MATLAB code.
3. MATLAB plot screenshot.
4. Solve (Hand calculate it and include the work with your report) the equation using R1 = R3 = R4 = R5 = 20 kΩ, R2 = 40 kΩ, and Vin = 10 V, then compare it with your MATLAB plot.