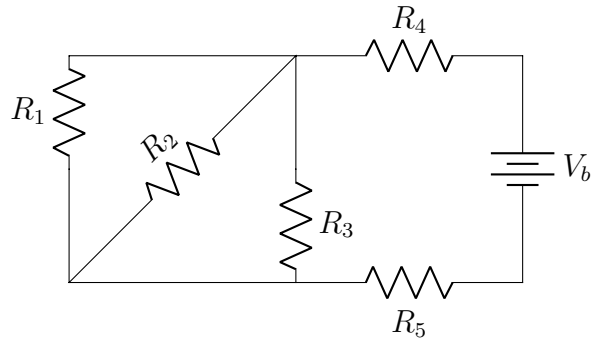1. Consider the following circuit:

Given the following values: $V_b = 6\,\text{V}$, $R_1 = 330\,\Omega$, $R_2 = 560\,\Omega$, $R_3 = 1000\,\Omega$, $R_4 = 100\,\Omega$, and $R_5 = 100\,\Omega$, determine the current through and the potential difference across each resistor.