1. Find $V_4$ in terms of $I_0, R_1, R_2, R_3, R_4$

2. Find $V$ for the Wheatstone bridge circuit

3. For the Wheatstone bridge, let $R_1 = R_2 = R_3 = R$ and $R_4 = R + SR$ with $SR << R$. Find an expression for $V_0$ to first order in $SR$. Recall the expression $(1+G)^n = 1 + nG + \cdots$.

4. Solve for $I$ in terms of $I_0$.

5. Find the Thévenin equivalent circuits between $A\{A'$