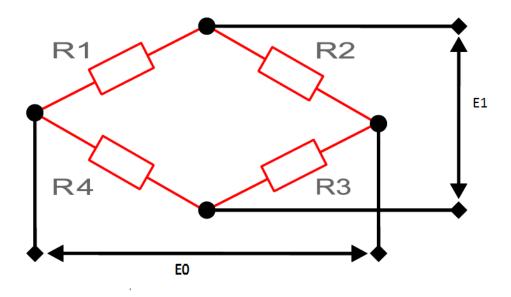
Exercise 2

- 1. The signal level in a hearing aid drops 8 db. How many per cents the amplitude of the signal the decreases?
- 2. In the picture below is shown the measuring bridge from a blood pressure meter. During a measurement $R_1=R_2=R_4=10k$ and $R_3=8.7k$. Define the voltage E1 if the voltage E0 is 12V. Design an amplifier to amplify E1 to 2 volts.



3. If in the bridge of task 3 all the resistors are 10k and the accuracy of these resistors is 5% how much voltage (E1) can be resulted from the resistor accuracy?