## Internal Resistance with Parallel Circuit

Step 1: Fill in the voltage of your battery, the colors of the stripes of your resistors and the current that is flowing through the circuit. Then find the resistance of your resistors based on the color code.



Step 2: Find the effective resistance of the two resistors in parallel. Show your work below

Step 3: Find the voltage for the parallel branch of the circuit (terminal voltage of the battery). Show your work below

Step 4: Neatly show your calculation for the internal resistance of the battery. Enter your answers into your program to check that you did everything properly