The setup:

A tetrahedron is constructed out of six resistors, as shown in the photo below. Each one of the resistors has a resistance of 1 Ω, except for one resistor that has a resistance of 2 Ω. It is not known which one of the six resistors is the different one.

The challenge:

Using only one measurement, determine which resistor is the 2-Ω one.

The winner (closest answer to correct) will be awarded a money prize and will be announced on the website and in this space along with the challenge solution.

Check THE Q-MARGIN website for more details and announcements.