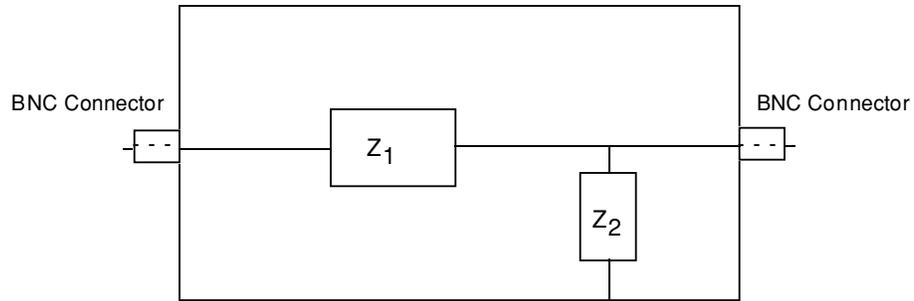


Physics 241B
Lab 5
MYSTERY!

We have intercepted a number of mysterious boxes containing electronic components. We have managed to decode a note accompanying these boxes, which tells us only the following:

1. The circuit is of this form:



2. There are at most 3 separate linear circuit elements in the box (i.e., Z_1 or Z_2 might consist of 2 elements in series or in parallel).
3. Opening the box will trigger a large thermonuclear device that will annihilate civilization as we know it.

Bearing in mind restriction #3, you are asked to determine the circuit within the box by any measurements you can devise. Whether or not you are successful, your report should tell us how you approached the problem and what you found. Please identify the box number in your report.