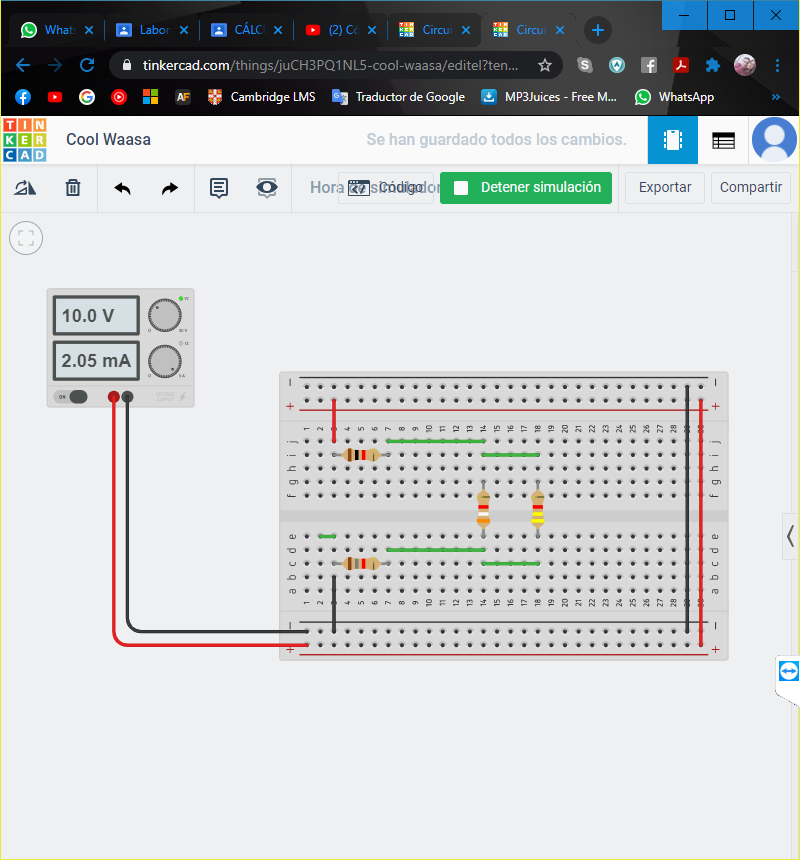
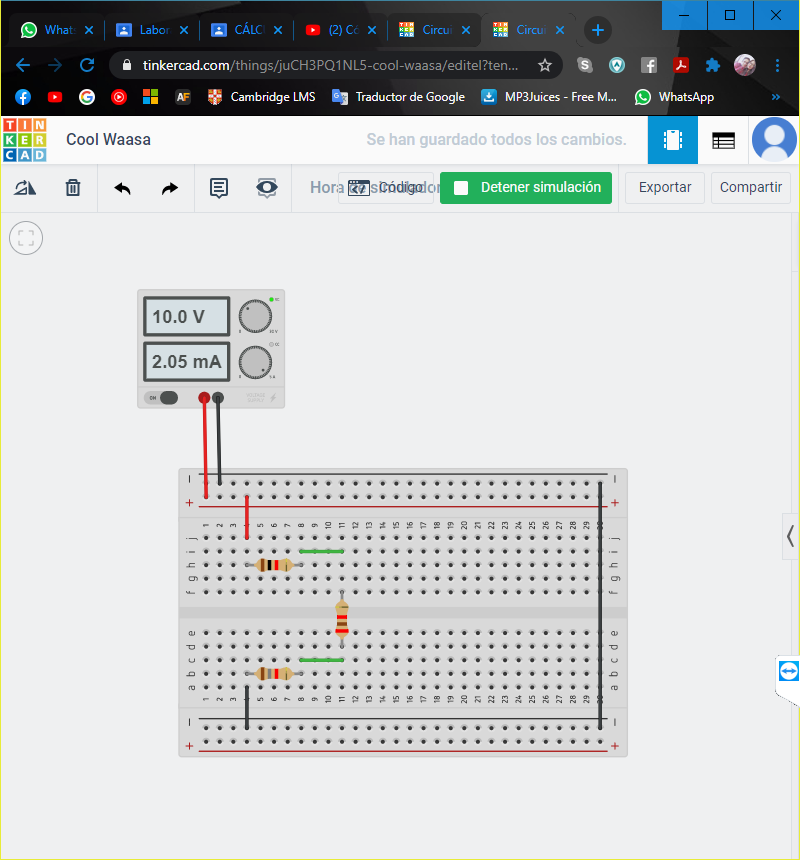
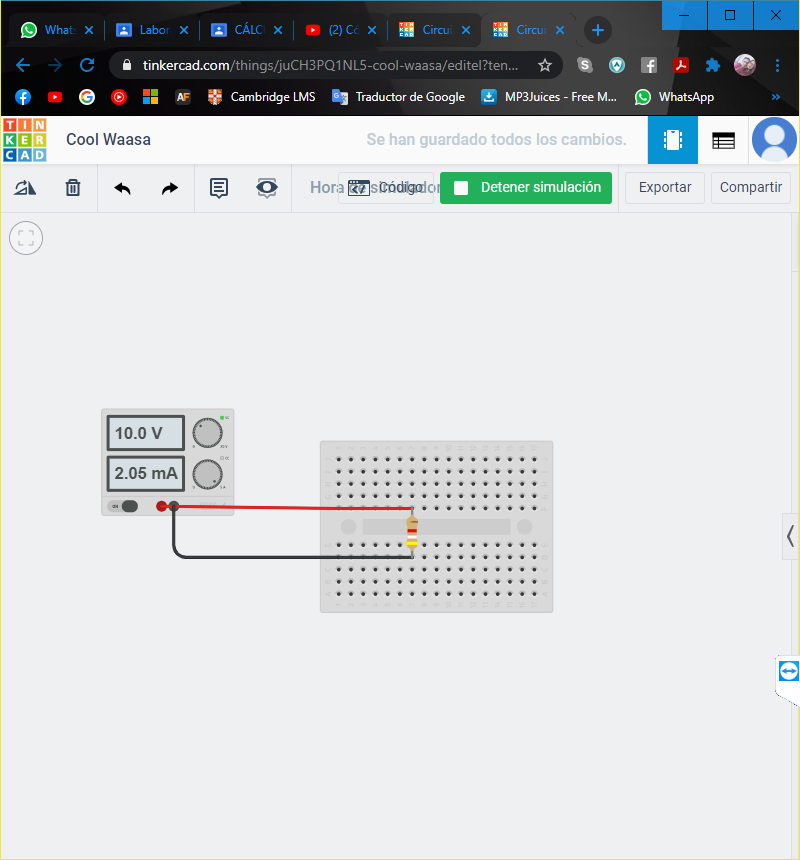
|  |  |  |  |
| --- | --- | --- | --- |
| Variable | Valor calculado | Valor medido | Error porcentual |
| VR1 (V) | 2.05 | 2.05 | 0.01 % |
| IR1 (mA) | 2.05 | 2.05 | 0.01% |
| VR2 (V) | 4.24 | 4.25 | 0.01% |
| IR2 (mA) | 1.09 | 0.965 | 11.46% |
| VR3 (V) | 2.12 | 2.12 | 0.01% |
| IR3 (mA) | 0.964 | 0.965 | 0.01% |
| VR4 (V) | 2.12 | 2.12 | 0.01% |
| IR4 (mA) | 0.964 | 0.965 | 0.10% |
| VR5 (V) | 3.69 | 3.70 | 0.27% |
| IR5 (mA) | 2.05 | 2.05 | 0.01% |

Tabla 1.1. Resultados obtenidos de voltaje y corriente, en cada elemento del circuito.

**CÁLCULOS**





**Para resistencia 1**

**Para resistencia 2**

**Para resistencia 3**

**Para resistencia 4**

**Para resistencia 5**

Tabla 1.2 Verificación de la tabla LVK

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| VOLTAJE | TRAYECTORIA 1 | | TRAYECTORIA 2 | | TRAYECTORIA 3 | |  |
| **Calculado** | **Medido** | **Calculado** | **Medido** | **Calculado** | **Medido** | **Error porcentual** |
| VT (V) | 10 | 10 | 0 | 0 | 0 | 0 | - |
| VR1 (V) | 2.05 | 2.05 | 0 | 0 | 2.05 | 2.05 | 0.01% |
| VR2 (V) | 4.25 | 4.25 | 4.25 | 4.25 | 0 | 0 | 0.01% |
| VR3 (V) | 0 | 0 | 2.12 | 2.12 | 2.12 | 2.12 | 0,01% |
| VR4 (V) | 0 | 0 | 2.12 | 2.12 | 2.12 | 2.12 | 0.01% |
| VR5 (V) | 3.69 | 3.70 | 0 | 0 | 3.69 | 3.70 | 0.27% |
| ∑V | 19.99 | 20 | 8.49 | 8.49 | 9.98 | 9.98 | - |

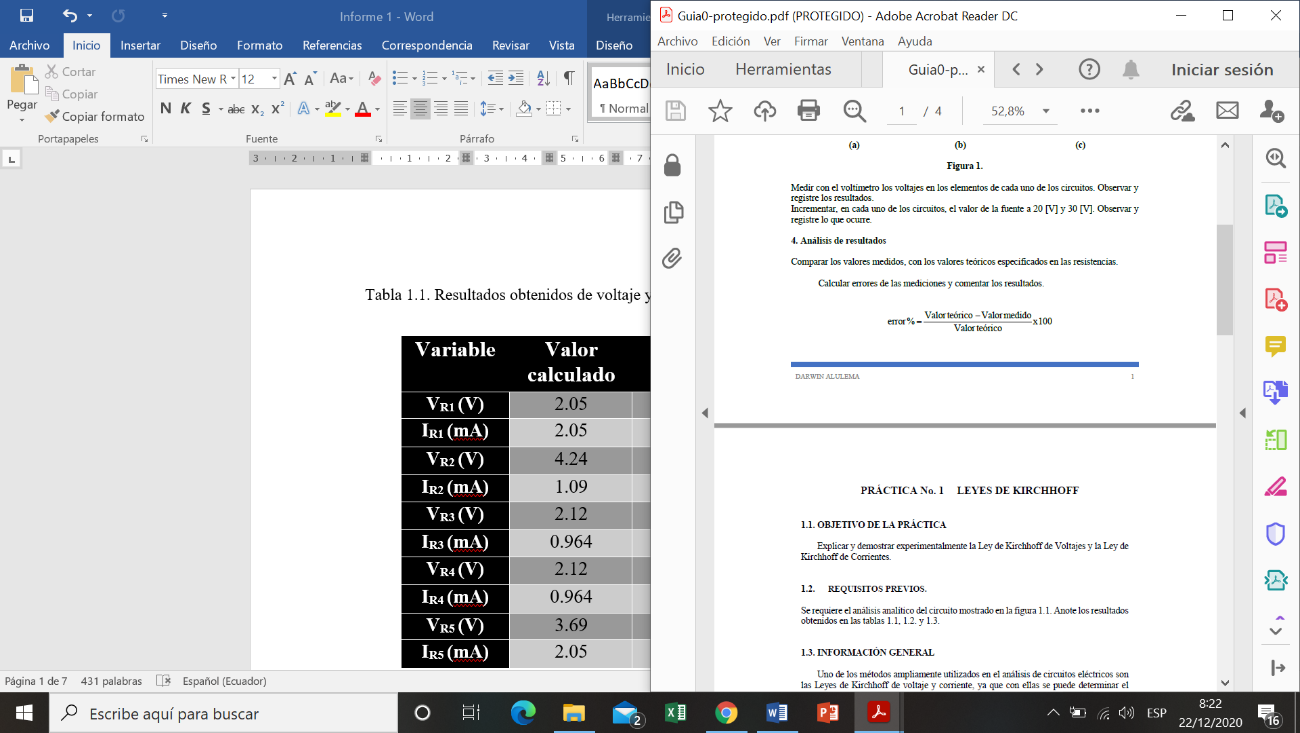
**CÁLCULOS**

Trayectoria 1

Trayectoria 2

Tabla 1.3 Verificación de la LCK

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| AMPERAJE | NODO 1 | |  | NODO 2 | |  |
| **Calculado** | **Medido** | **Error porcentual** | **Calculado** | **Medido** | **Error porcentual** |
| IT (V) | 2.05 | 2.05 | 0.01% | 0.964 | 0.965 | 0.10% |
| IR1 (V) | 2.05 | 2.05 | 0.01% | 0 | 0 | - |
| IR2 (V) | 1.09 | 0.965 | 11.46% | 1.09 | 0.965 | 11.46% |
| IR3 (V) | 0 | 0 | - | 0.964 | 0.965 | 0.10% |
| IR4 (V) | 0 | 0 | - | 0.964 | 0.965 | 0.10% |
| IR5 (V) | 2.05 | 2.05 | 0.01% | 0 | 0 | - |
| ∑I | 7.24 | 7.115 | - | 3.98 | 3.86 | - |

Formulas a considerar: