

Universidad de San Carlos de Guatemala  
Facultad de Ingeniería  
Escuela de Ciencias y Sistemas  
Organización Computacional

## **Práctica 1**

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## Practica 1

Tabla de verdad:

| A | B | C | Z          |
|---|---|---|------------|
| 0 | 0 | 0 | 0 problema |
| 0 | 0 | 1 | 0          |
| 0 | 1 | 0 | 1          |
| 0 | 1 | 1 | 0          |
| 1 | 0 | 0 | 1          |
| 1 | 0 | 1 | 0          |
| 1 | 1 | 0 | 0 problema |
| 1 | 1 | 1 | 1          |

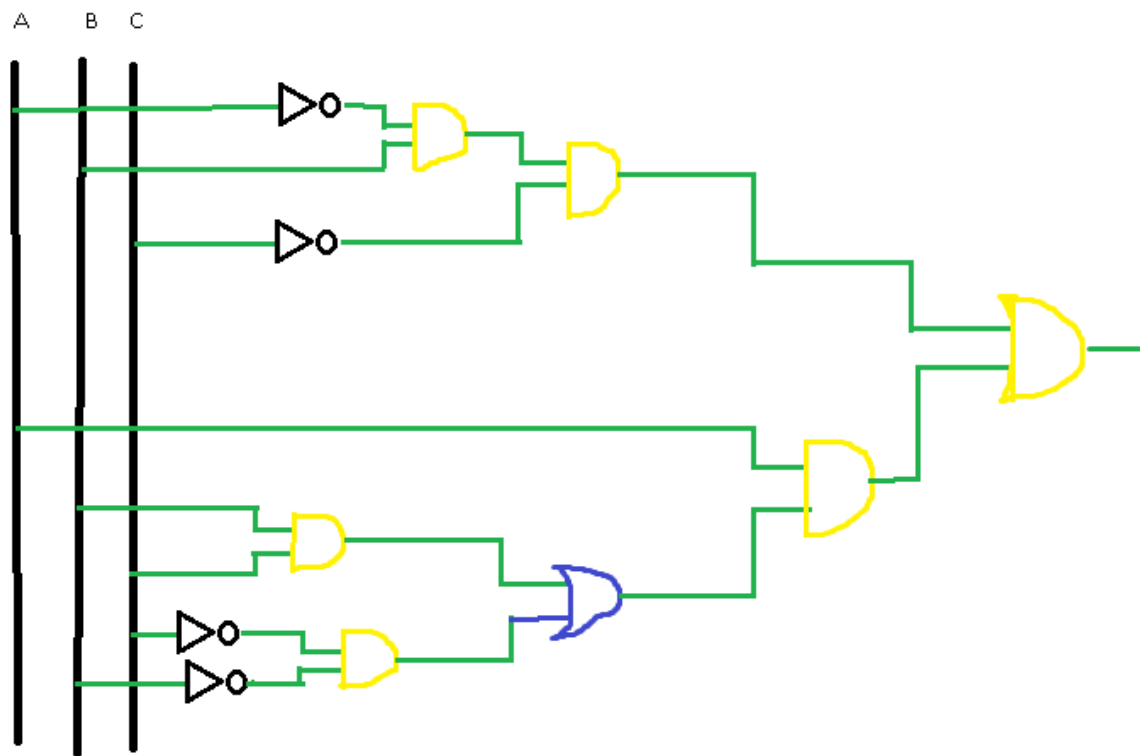
$$F_o = m_2 + m_4 + m_7$$

$$F_o = a' b c' + a b' c' + abc$$

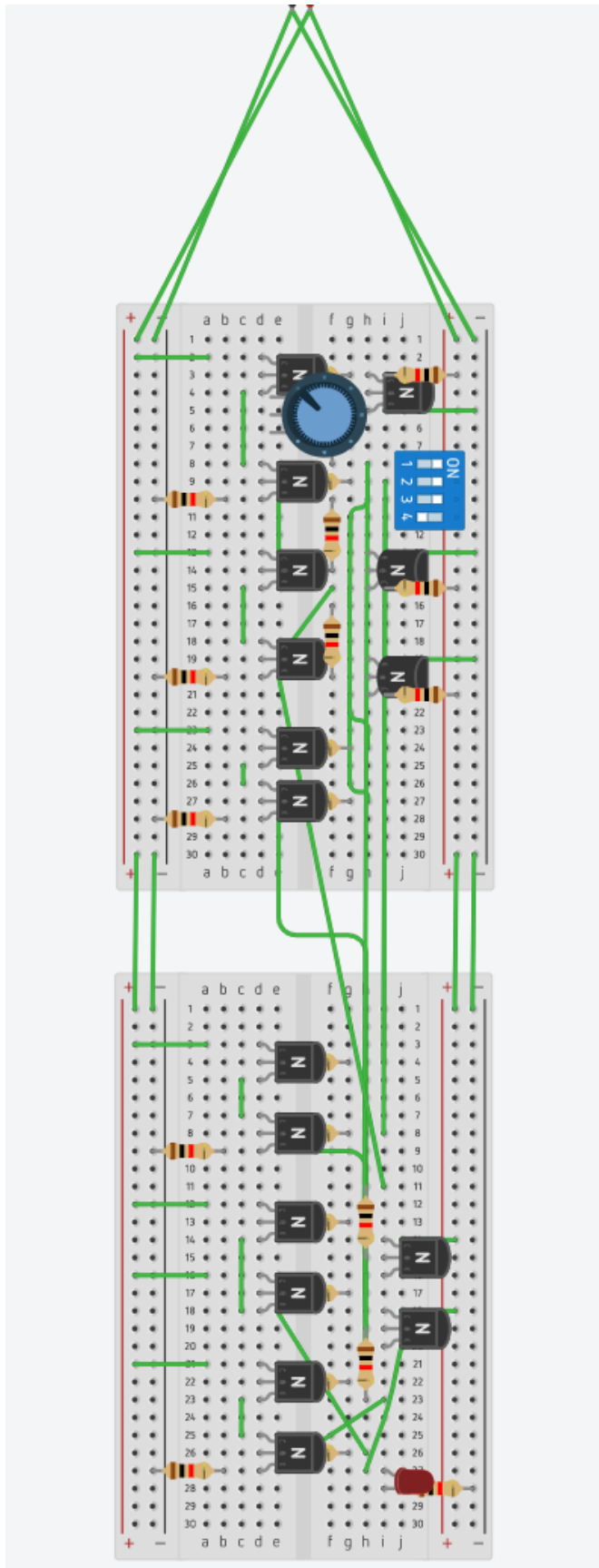
Simplificado:

$$F_o = a' b c' + a (b' c' + bc)$$

## Circuito gráfico



Prueba en Tinkercad:



Link Repositorio:

[https://github.com/Joshua0926/ORGANIZACION\\_PRACTICA1\\_202110773/invitations](https://github.com/Joshua0926/ORGANIZACION_PRACTICA1_202110773/invitations)