

Universidad De San Carlos De Guatemala

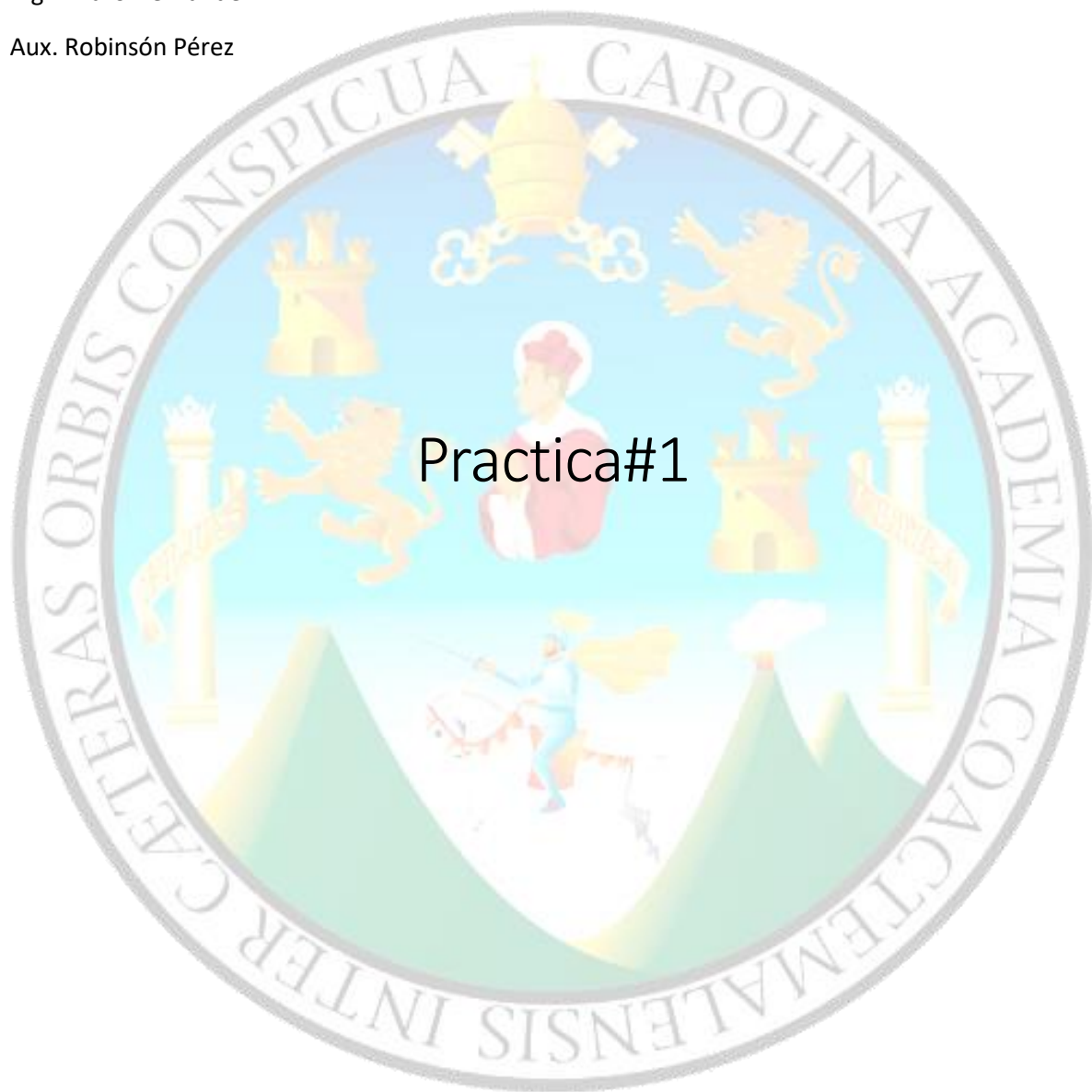
Facultad de Ingeniería

Escuela de ciencias y sistemas

Organización Computacional

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Diagrama de circuito:

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

| A\BC | 00 | 01 | 11 | 10 |
|------|----|----|----|----|
| 0    | 0  | 0  | 0  | 1  |
| 1    | 1  | 0  | 1  | 0  |

$$y = A'BC' + AB'C' + ABC$$

|       |       |       |    |    |
|-------|-------|-------|----|----|
| 6 and | 2 tra | 3 res | 12 | 18 |
| 2 or  | 2 tra | 3 res | 4  | 6  |
| 3 not | 1 tra | 2 re  | 3  | 6  |
|       |       |       | 20 | 35 |



Mapa en proteus:

