

Taller 3

1. Leyes asociativas:

1).

| | | | | |
|---|---|---|---|---|
| V | V | V | V | V |
| V | V | F | V | V |
| V | F | V | V | V |
| V | F | F | V | V |
| F | V | V | V | V |
| F | V | F | V | V |
| F | F | V | V | V |
| F | F | F | F | F |

2).

| | | | | |
|---|---|---|---|---|
| V | V | V | V | V |
| V | V | F | F | F |
| V | F | V | F | F |
| V | F | F | F | F |
| F | V | V | F | F |
| F | V | F | F | F |
| F | F | V | F | F |
| F | F | F | F | F |

2. Leyes conmutativas:

1).

| | | | |
|---|---|---|---|
| V | V | V | V |
| V | V | V | V |
| V | F | V | V |
| V | F | V | V |
| F | V | V | V |
| F | V | V | V |
| F | F | F | V |
| F | F | F | V |

2).

| | | | |
|---|---|---|---|
| V | V | V | V |
| V | V | V | V |
| V | F | F | F |
| V | F | F | F |
| F | V | F | F |
| F | V | F | F |
| F | F | F | F |
| F | F | F | F |

3. Leyes distributivas:

1).

| | | | | |
|---|---|---|---|---|
| V | V | V | V | V |
| V | V | F | V | V |
| V | F | V | V | V |
| V | F | F | F | F |
| F | V | V | F | F |
| F | V | F | F | F |
| F | F | V | F | F |
| F | F | F | F | F |

2).

| | | | | |
|---|---|---|---|---|
| V | V | V | V | V |
| V | V | F | V | V |
| V | F | V | V | V |
| V | F | F | V | V |
| F | V | V | F | V |
| F | V | F | F | F |
| F | F | V | F | F |
| F | F | F | F | F |

4. Leyes de identidad

1).

| | |
|---|---|
| V | V |
| F | F |

2).

| | |
|---|---|
| V | V |
| F | F |

5. Leyes de complementos

1).

| | |
|---|---|
| V | V |
| F | F |

2).

| | |
|---|---|
| V | V |
| F | F |

Conjunción

| | | |
|---|---|---|
| V | V | V |
| V | F | F |
| F | V | F |
| F | F | F |

Disyunción

| | | |
|---|---|---|
| V | V | V |
| V | F | V |
| F | V | V |
| F | F | F |

Negación:

| | |
|---|---|
| V | F |
| F | V |