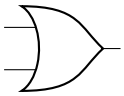
TABLE I
OR GATE

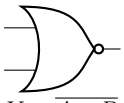


$Y = A + B$

| | $F$ | $T$ |
|---|---|---|
| $F$ | F | T |
| $T$ | T | T |

| Input1 | Input2 | Output |
|---|---|---|
| | | |
| | 1 | 1 |
| 1 | | 1 |
| 1 | 1 | 1 |

TABLE II
NOR GATE

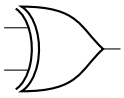


$Y = \overline{A + B}$

| | $F$ | $T$ |
|---|---|---|
| $F$ | T | F |
| $T$ | F | F |

| Input1 | Input2 | Output |
|---|---|---|
| | | 1 |
| | 1 | |
| 1 | | |
| 1 | 1 | |

TABLE III
(EXCLUSIVE)XOR GATE

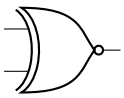


$Y = A \oplus B$

| | $F$ | $T$ |
|---|---|---|
| $F$ | F | T |
| $T$ | T | F |

| Input1 | Input2 | Output |
|---|---|---|
| | | |
| | 1 | 1 |
| 1 | | 1 |
| 1 | 1 | |

TABLE IV
EXCLUSIVE OR GATE = EX-NOR GATE , BOOLEAN EX



$Y = \overline{A \oplus B}$

| | $F$ | $T$ |
|---|---|---|
| $F$ | T | F |
| $T$ | F | T |

| Input1 | Input2 | Output |
|---|---|---|
| | | 1 |
| | 1 | |
| 1 | | |
| 1 | 1 | 1 |