# Practical 1 (LOGISM)

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* Snapshot of logism practical gates : A screenshot of a cell phone

  Description automatically generated
* **Truth Tables :**

1.NOT gate :

|  |  |
| --- | --- |
| A | NOT |
| 0 | 1 |
| 1 | 0 |

2.AND gate :

|  |  |  |
| --- | --- | --- |
| A | B | AND |
| 0 | 0 | 0 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |

3.OR gate :

|  |  |  |
| --- | --- | --- |
| A | B | OR |
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 1 |

4.NAND gate :

|  |  |  |
| --- | --- | --- |
| A | B | NAND |
| 0 | 0 | 1 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 0 |

5.NOR gate :

|  |  |  |
| --- | --- | --- |
| A | B | NOR |
| 0 | 0 | 1 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |

6.XOR gate :

|  |  |  |
| --- | --- | --- |
| A | B | XOR |
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |

7.XNOR gate :

|  |  |  |
| --- | --- | --- |
| A | B | XNOR |
| 0 | 0 | 1 |
| 0 | 1 | 0 |
| 1 | 0 | 0 |
| 1 | 1 | 1 |