OUTPUT

NAND GATE:

|  |  |  |  |
| --- | --- | --- | --- |
| Time | A | B | Y |
| 0 | 0 | 0 | 1 |
| 1 | 0 | 1 | 1 |
| 2 | 1 | 0 | 1 |
| 3 | 1 | 1 | 0 |

OR GATE:

|  |  |  |  |
| --- | --- | --- | --- |
| Time | A | B | Y |
| 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 1 |
| 2 | 1 | 0 | 1 |
| 3 | 1 | 1 | 1 |

AND GATE:

|  |  |  |  |
| --- | --- | --- | --- |
| Time | A | B | Y |
| 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 |
| 2 | 1 | 0 | 0 |
| 3 | 1 | 1 | 1 |

NOR GATE:

|  |  |  |  |
| --- | --- | --- | --- |
| Time | A | B | Y |
| 0 | 0 | 0 | 1 |
| 1 | 0 | 1 | 0 |
| 2 | 1 | 0 | 0 |
| 3 | 1 | 1 | 0 |

XOR GATE:

|  |  |  |  |
| --- | --- | --- | --- |
| Time | A | B | Y |
| 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 1 |
| 2 | 1 | 0 | 1 |
| 3 | 1 | 1 | 0 |

XNOR GATE:

|  |  |  |  |
| --- | --- | --- | --- |
| Time | A | B | Y |
| 0 | 0 | 0 | 1 |
| 1 | 0 | 1 | 0 |
| 2 | 1 | 0 | 0 |
| 3 | 1 | 1 | 1 |