DLD Lab #11

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# **Lab #10:**

## **Exercise #1:**



|  |  |  |  |
| --- | --- | --- | --- |
| **S2** | **S1** | **S0** | **Output** |
| 0 | 0 | 0 | D0 |
| 0 | 0 | 1 | D1 |
| 0 | 1 | 0 | D2 |
| 0 | 1 | 1 | D3 |
| 1 | 0 | 0 | D4 |
| 1 | 0 | 1 | D5 |
| 1 | 1 | 0 | D6 |
| 1 | 1 | 1 | D7 |

## **Exercise #2:**



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S3** | **S2** | **S1** | **S0** | **Output** |
| 0 | 0 | 0 | 0 | D0 |
| 0 | 0 | 0 | 1 | D1 |
| 0 | 0 | 1 | 0 | D2 |
| 0 | 0 | 1 | 1 | D3 |
| 0 | 1 | 0 | 0 | D4 |
| 0 | 1 | 0 | 1 | D5 |
| 0 | 1 | 1 | 0 | D6 |
| 0 | 1 | 1 | 1 | D7 |
| 1 | 0 | 0 | 0 | D8 |
| 1 | 0 | 0 | 1 | D9 |
| 1 | 0 | 1 | 0 | D10 |
| 1 | 0 | 1 | 1 | D11 |
| 1 | 1 | 0 | 0 | D12 |
| 1 | 1 | 0 | 1 | D13 |
| 1 | 1 | 1 | 0 | D14 |
| 1 | 1 | 1 | 1 | D15 |