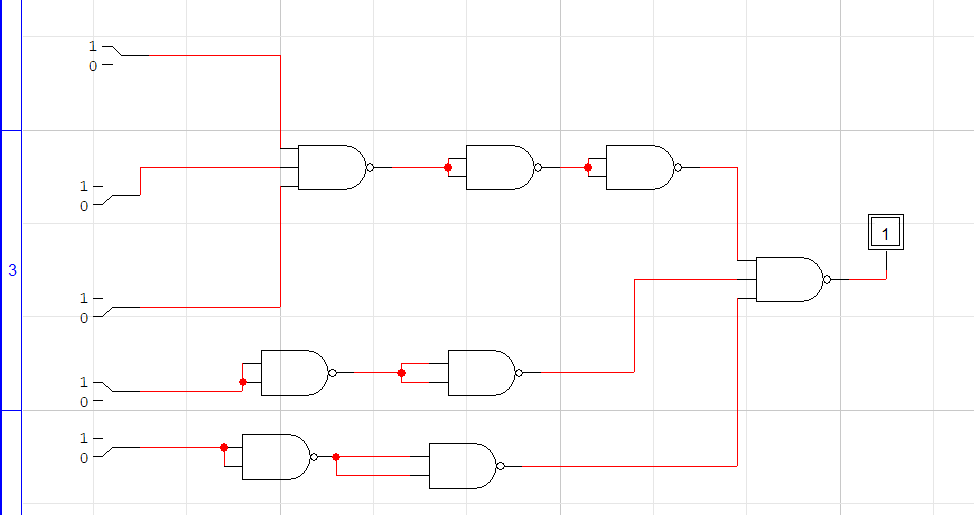
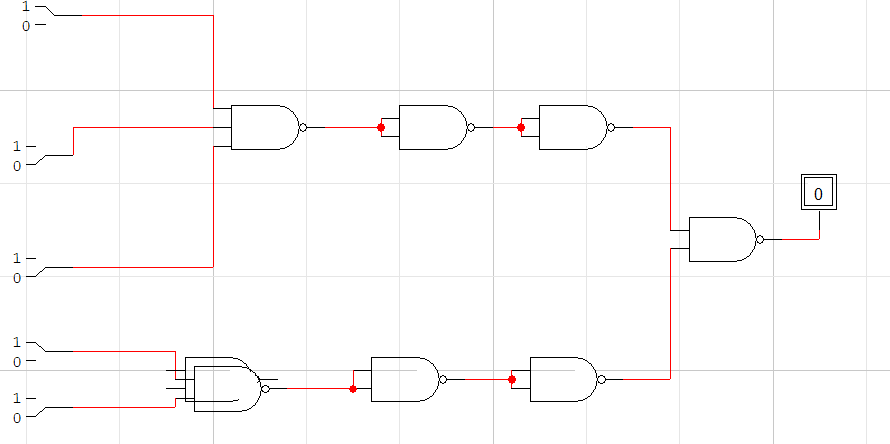
K23-0800  
Lab\_06

Muhammad Mufeez

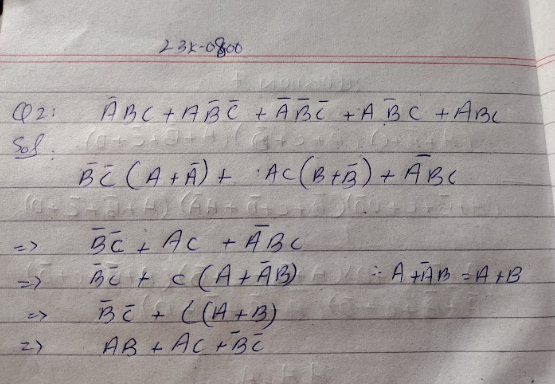
#### *Task\_1\_1:*

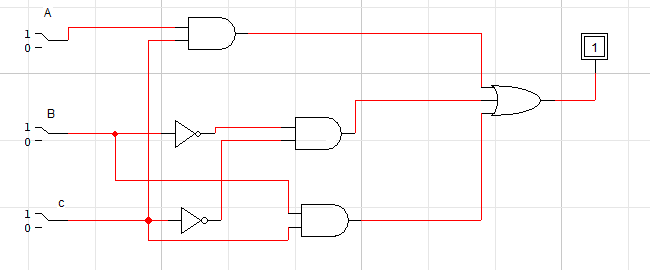


#### *Task\_1\_2*

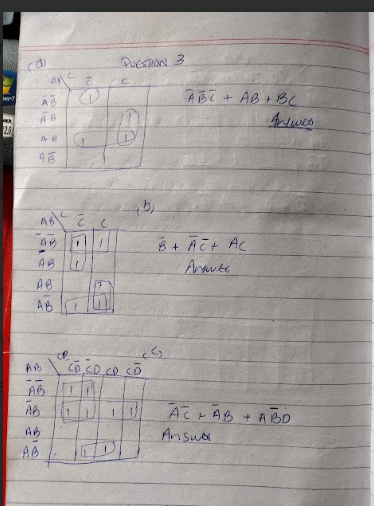


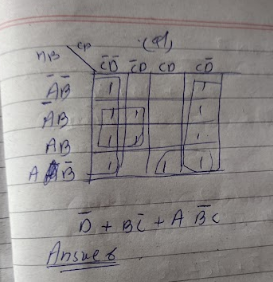
#### Task\_2:

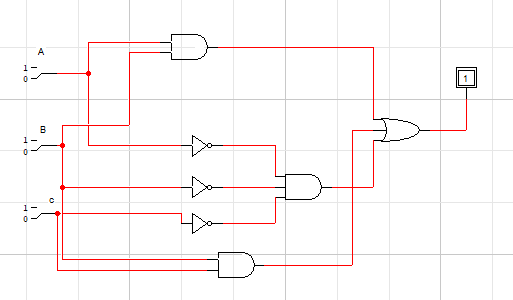




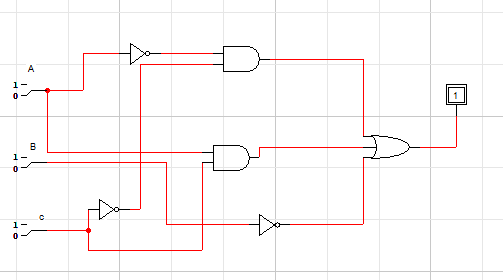
#### Task\_3\_1:



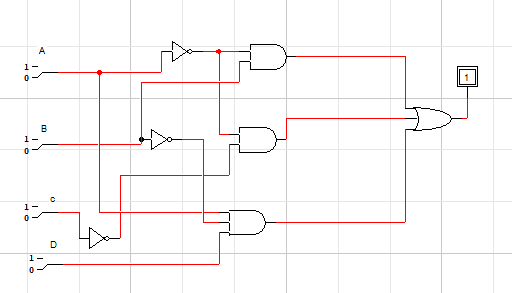




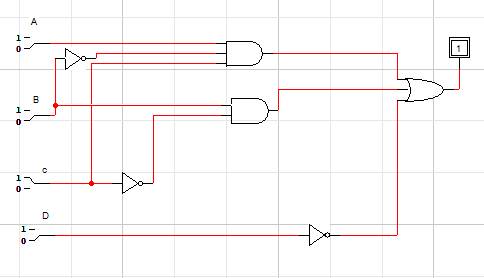
#### Task\_3\_2:



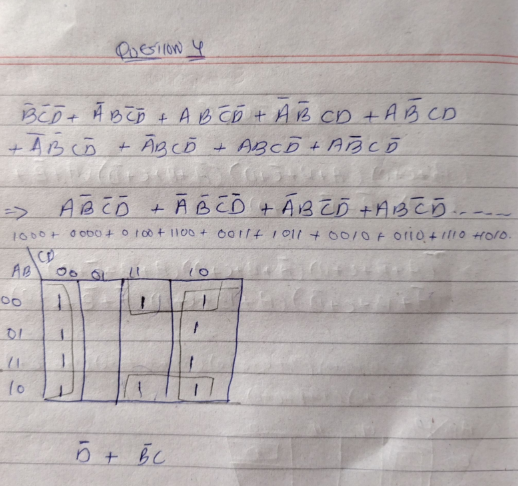
#### Task\_3\_3:

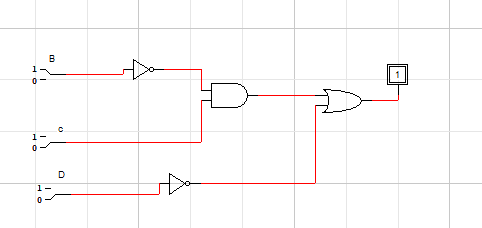


#### Task\_3\_4:



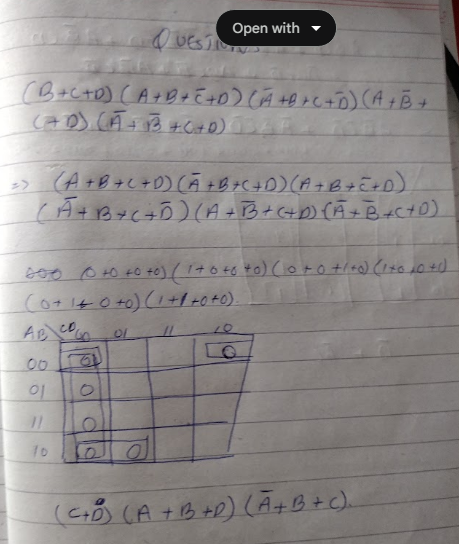
#### Task\_4:

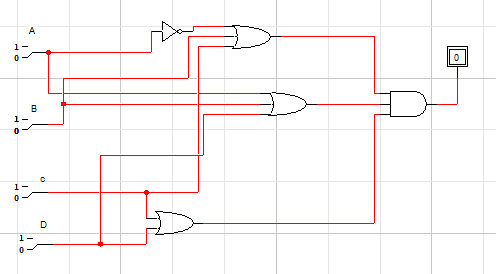




|  |  |  |  |
| --- | --- | --- | --- |
| **B** | C | D | OUTPUT X |
| 0 | 0 | 0 | 1 |
| 0 | 0 | 1 | 0 |
| 0 | 1 | 0 | 1 |
| 0 | 1 | 1 | 1 |
| 1 | 0 | 0 | 1 |
| 1 | 0 | 1 | 0 |
| 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 0 |

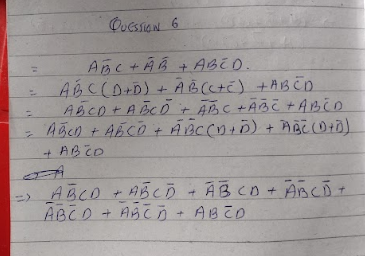
#### Task\_5:

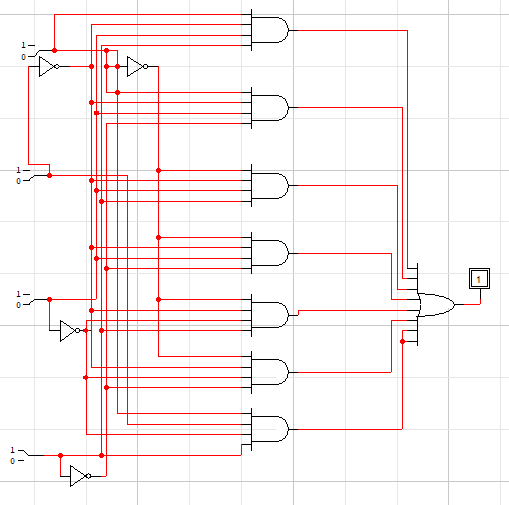




|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **A** | B | C | D | X (OUTPUT) |
| 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 | 1 |
| 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 1 | 1 | 1 |
| 0 | 1 | 0 | 0 | 0 |
| 0 | 1 | 0 | 1 | 1 |
| 0 | 1 | 1 | 0 | 1 |
| 0 | 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 1 | 0 |
| 1 | 0 | 1 | 0 | 1 |
| 1 | 0 | 1 | 1 | 1 |
| 1 | 1 | 0 | 0 | 0 |
| 1 | 1 | 0 | 1 | 1 |
| 1 | 1 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 |

#### Task\_6:





#### Task\_7

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