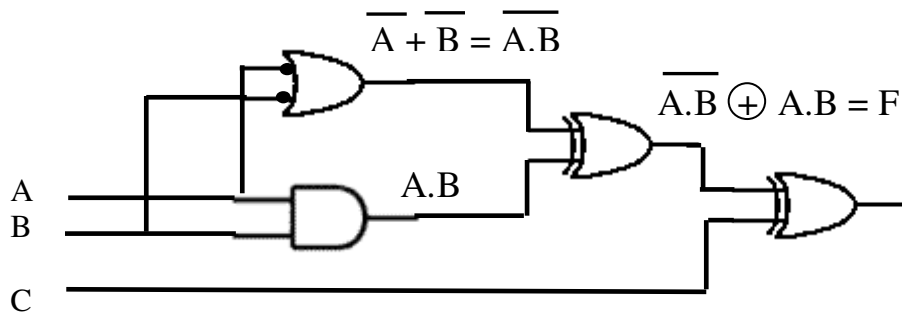


4)



$$F = \overline{\overline{A.B}} \oplus A.B = \overline{\overline{A.B}} . A.B + \overline{A.B} . \overline{\overline{A.B}} = A.B + \overline{A.B} = 1$$

| A | B | A.B | $\overline{A.B}$ | $A.B + \overline{A.B}$ |
|---|---|-----|------------------|------------------------|
| 0 | 0 | 0   | 1                | 1                      |
| 0 | 1 | 0   | 1                | 1                      |
| 1 | 0 | 0   | 1                | 1                      |
| 1 | 1 | 1   | 0                | 1                      |

