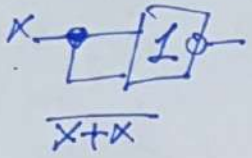
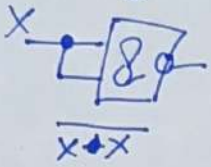
НЕ → 2 ИЛИ-НЕ → 2 И-НЕ

1) 

2) 

1) $\overline{x} = \overline{x+x}$

2) $\overline{x} = \overline{xx}$

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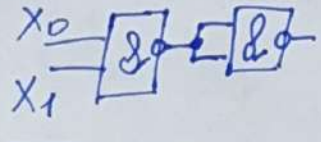
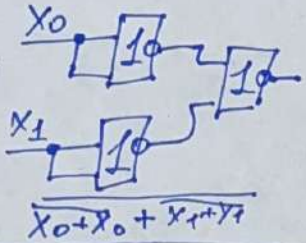
2 И → 2И-НЕ → 2 ИЛИ-НЕ

1) 

2) 

1) $X_0X_1 = \overline{\overline{X_0X_1} \cdot \overline{X_0X_1}}$

2) $X_0X_1 = \overline{\overline{X_0} + \overline{X_1}} = \overline{\overline{X_0 + X_0} + \overline{X_1 + X_1}}$

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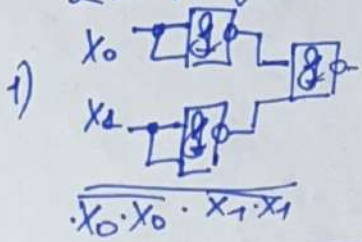
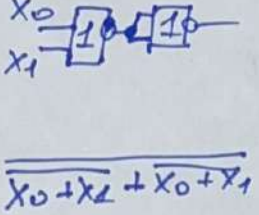
2 ИЛИ → 2И-НЕ → 2 ИЛИ-НЕ

1) 

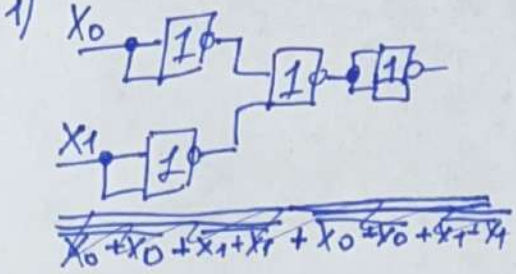
2) 

1) $X_0 + X_1 = \overline{\overline{X_0}\,\overline{X_1}}$

2) $X_0 + X_1 = \overline{\overline{X_0 + X_1}}$

---

2 И-НЕ → 2 ИЛИ-НЕ

1) 

$\overline{X_0X_1} = \overline{X_0} + \overline{X_1} = \overline{\overline{X_0} + \overline{X_1}}$

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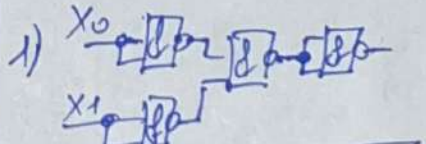
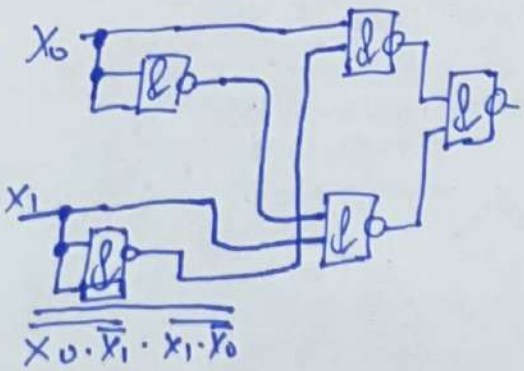
2 ИЛИ-НЕ → 2И-НЕ

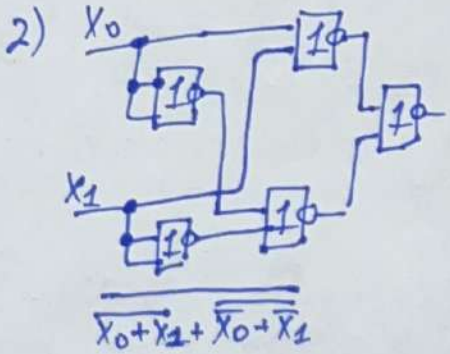
1) 

$\overline{X_0 + X_1} = \overline{\overline{X_0}\,\overline{X_1}}$

XOR → 2 И-НЕ → 2 ИЛИ-НЕ

1) $X_0\overline{X_1} + \overline{X_0}X_1 = \overline{\overline{X_0\overline{X_1}} \cdot \overline{\overline{X_0}X_1}}$



2) 

2) $(X_0 + X_1)(\overline{X_0} + \overline{X_1}) =$

$= \overline{\overline{X_0 + X_1} + \overline{\overline{X_0} + \overline{X_1}}}$