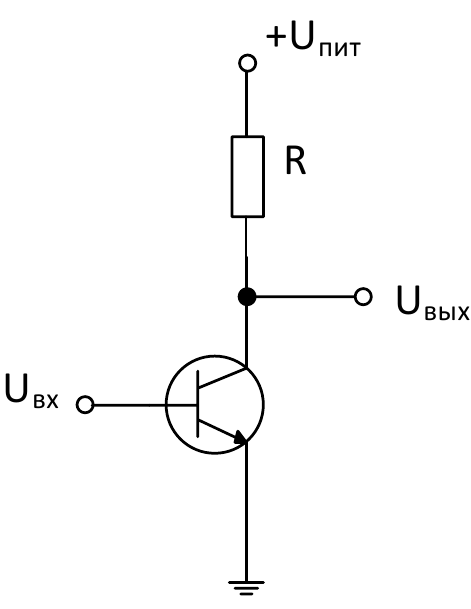
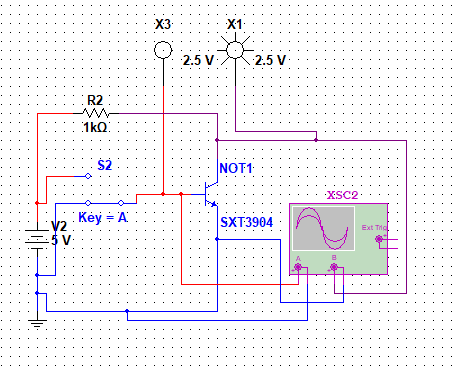
Отчет по лабораторной работе №5 (Логические вентили)

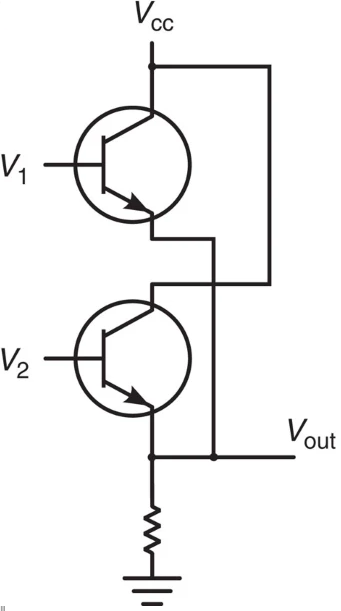
Задание №1

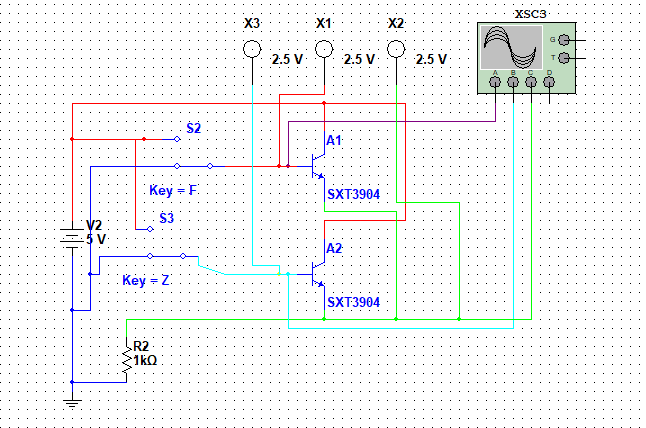
**Логический элемент – «НЕ»**



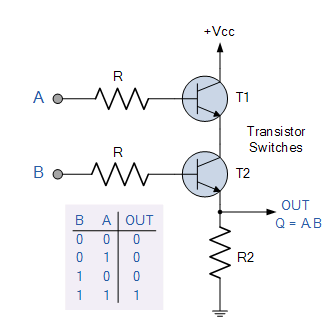
****

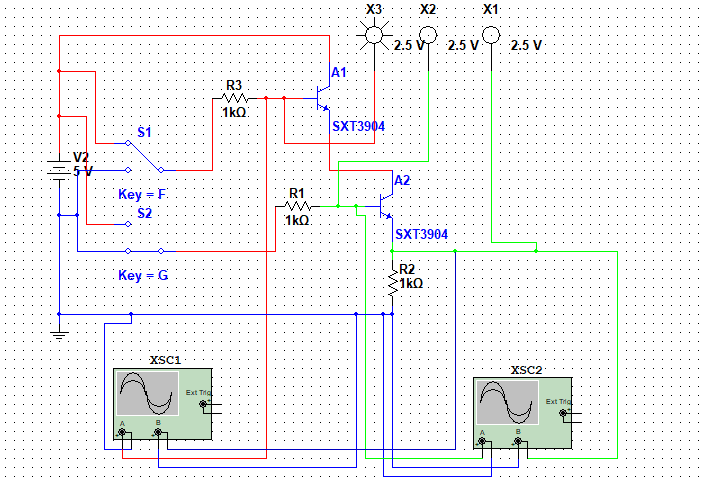
**Логический элемент – «ИЛИ»**



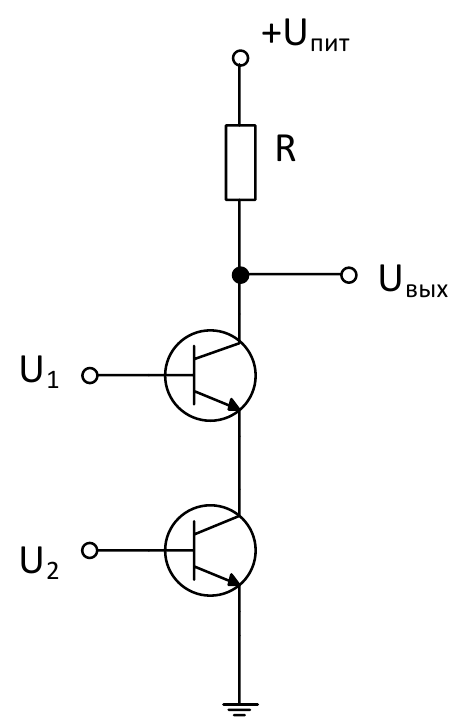
****

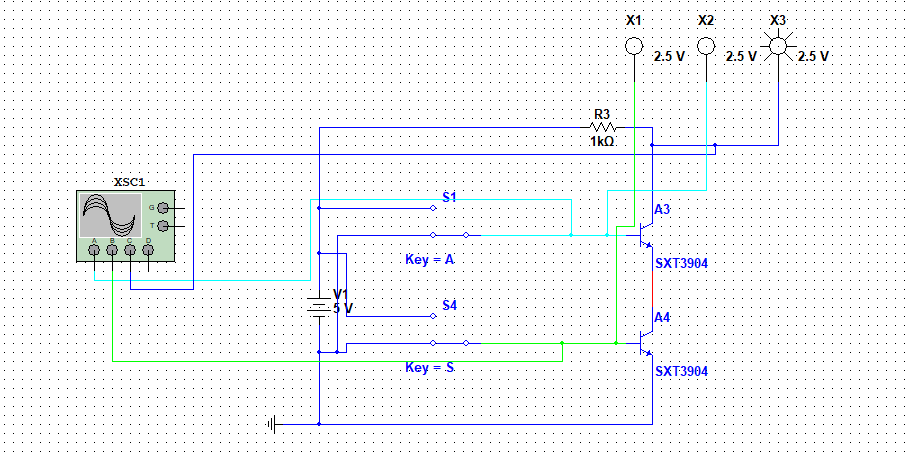
**Логический элемент – «И»**

****

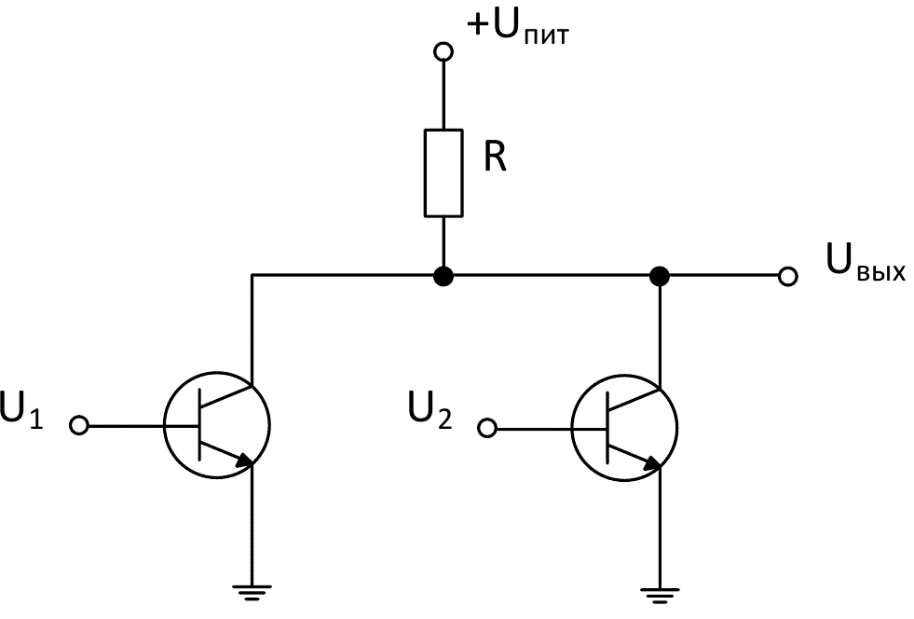
****

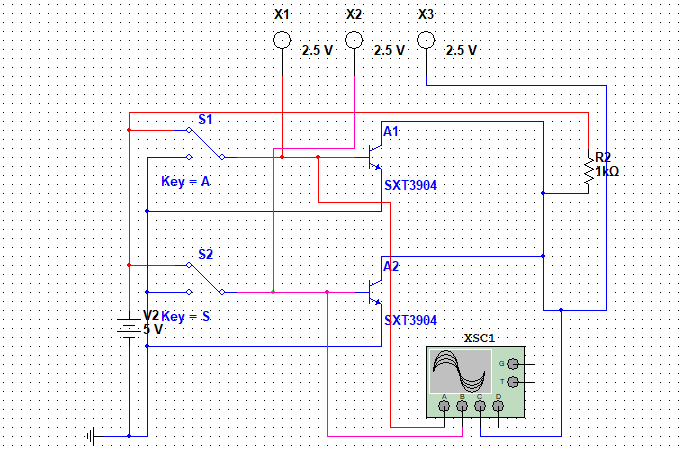
**Логический элемент – «ИЛИ-НЕ»**



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**Логический элемент – «И-НЕ»**

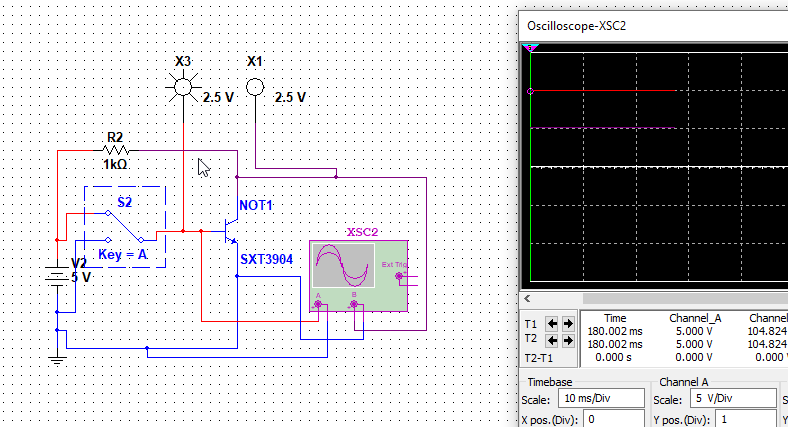
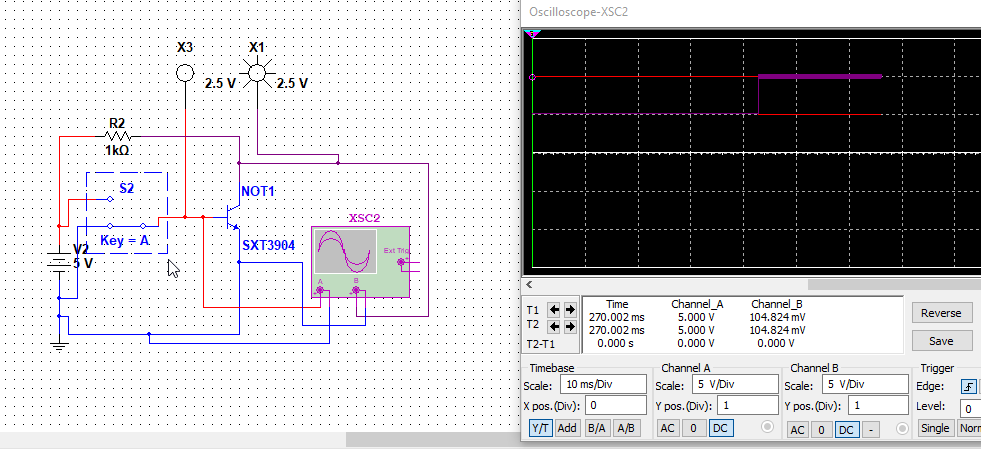


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Задание №2

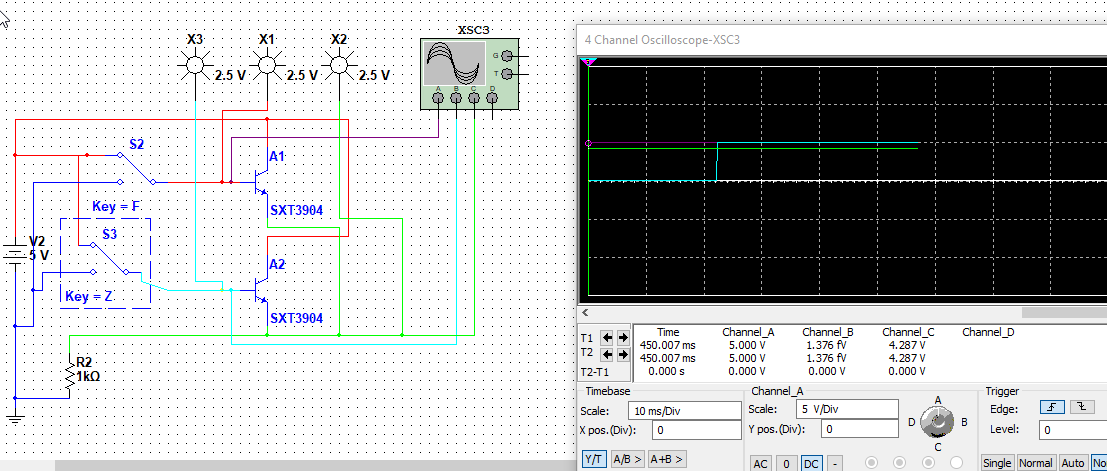
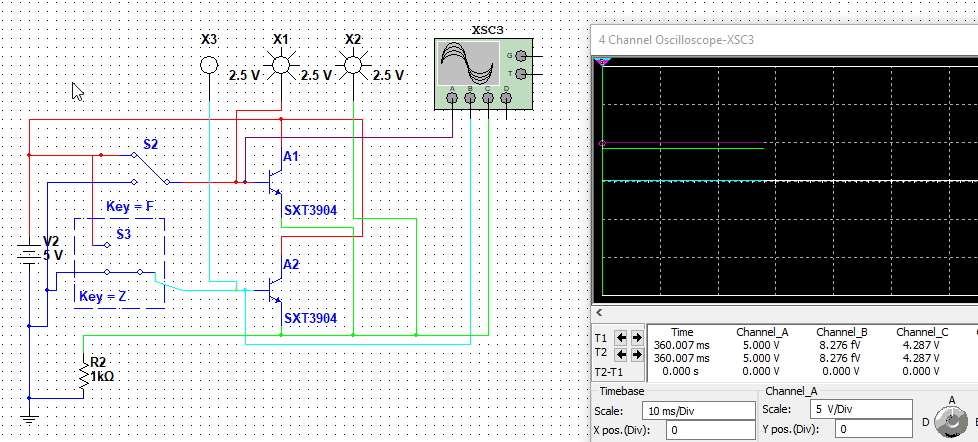
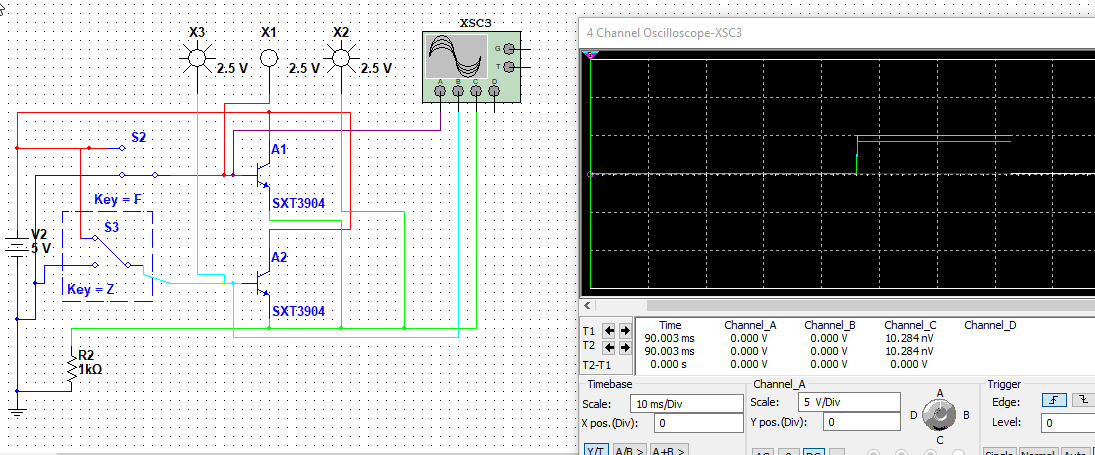
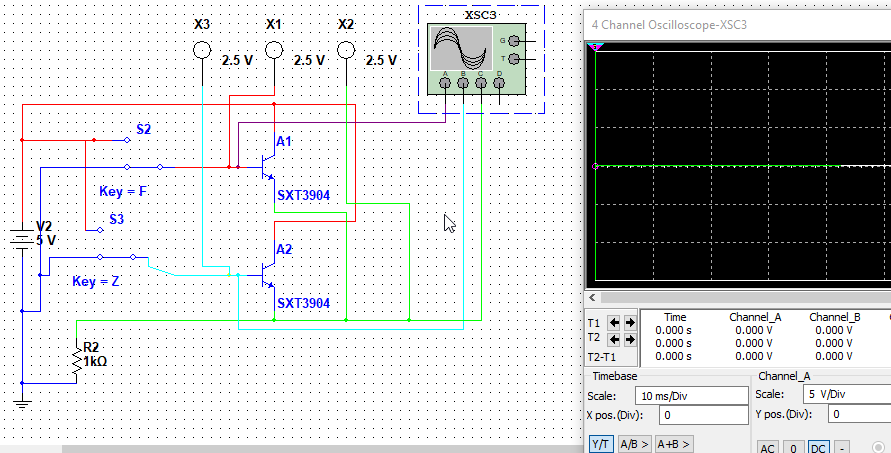
**Логический элемент – «НЕ»**

|  |  |  |
| --- | --- | --- |
| S2 | X3 | X1 |
| 1 | 1 | 0 |
| 0 | 0 | 1 |

****

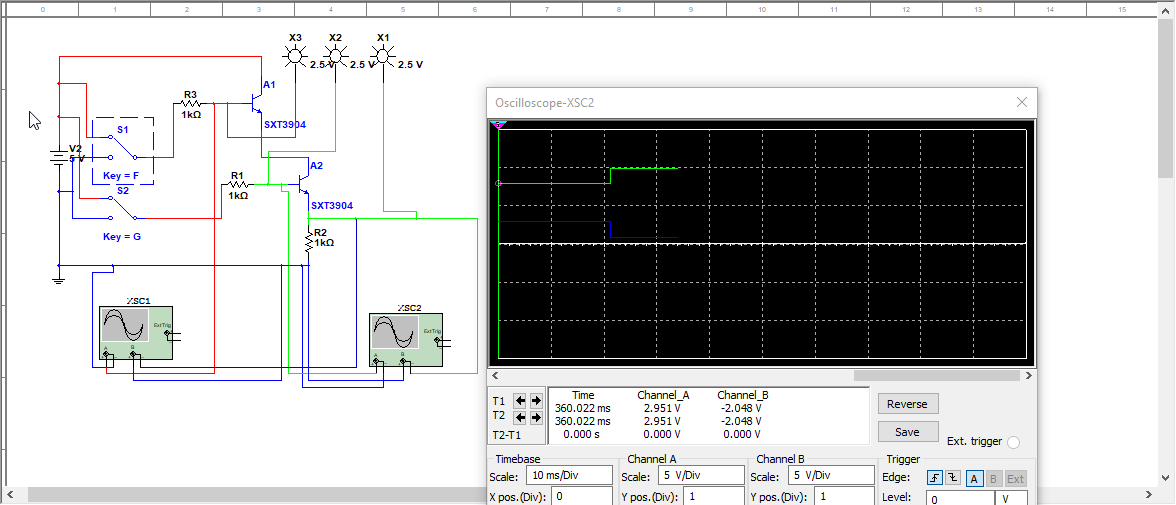
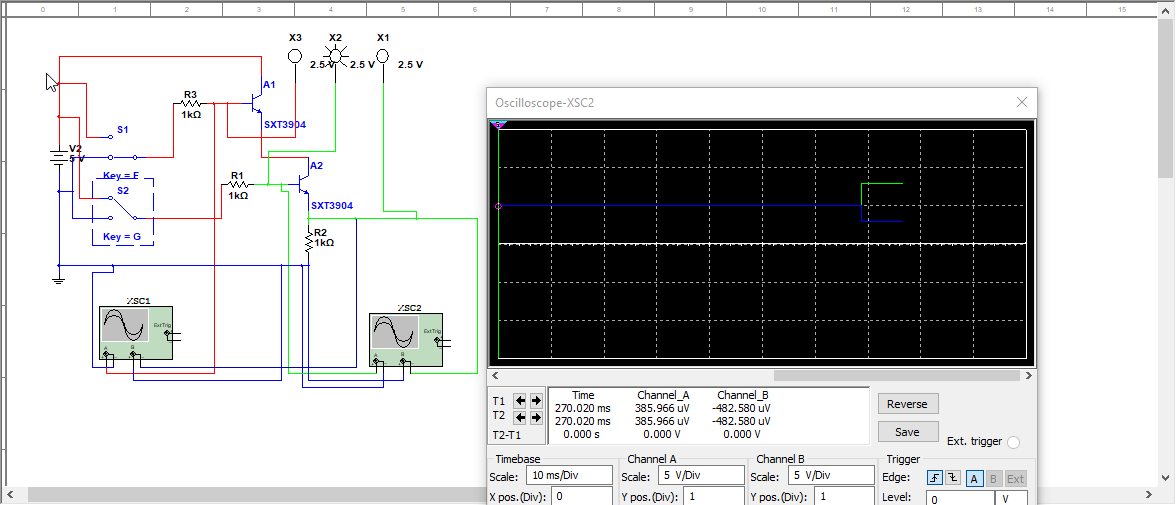
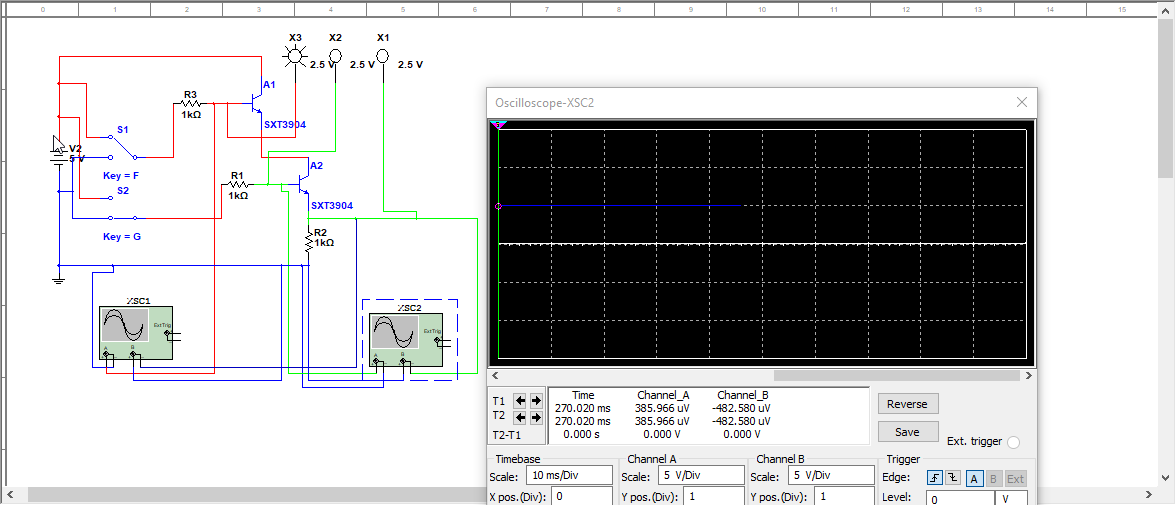
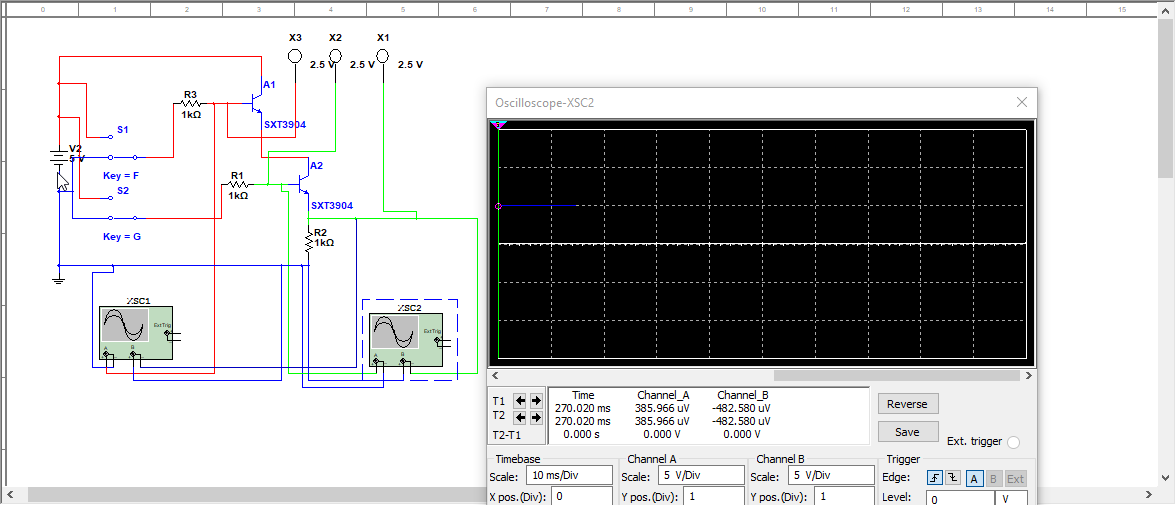
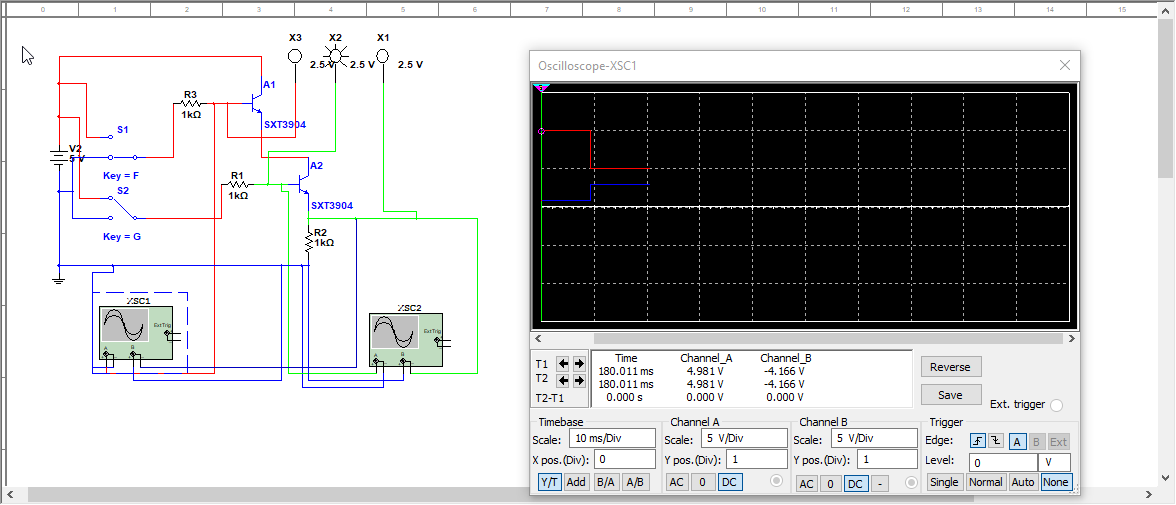
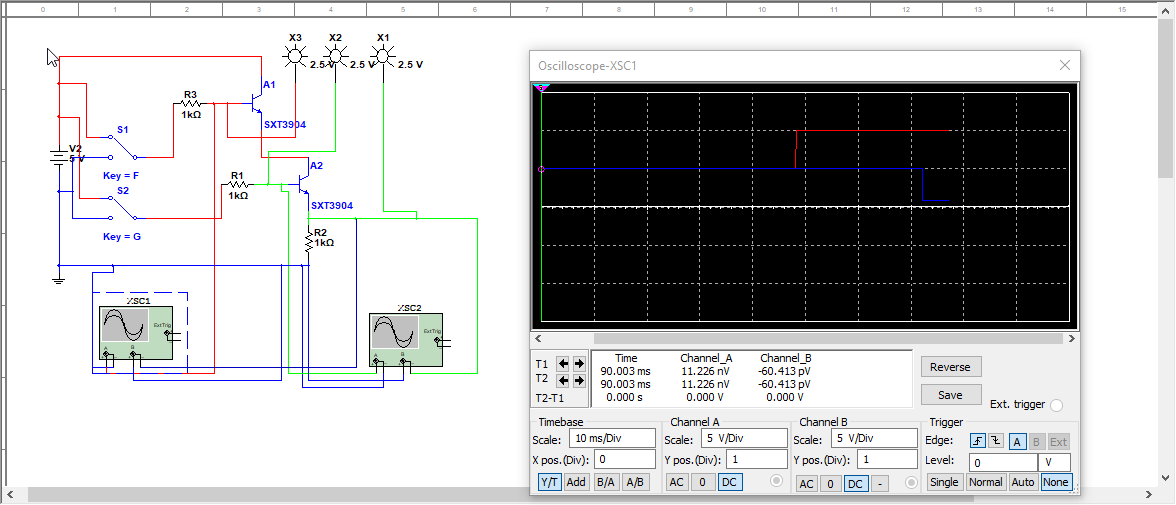
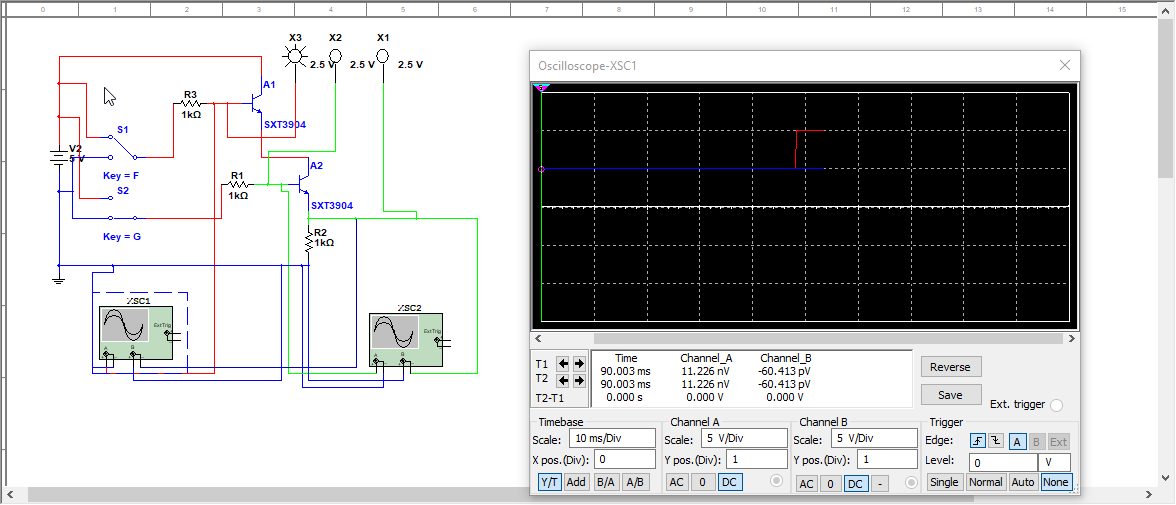
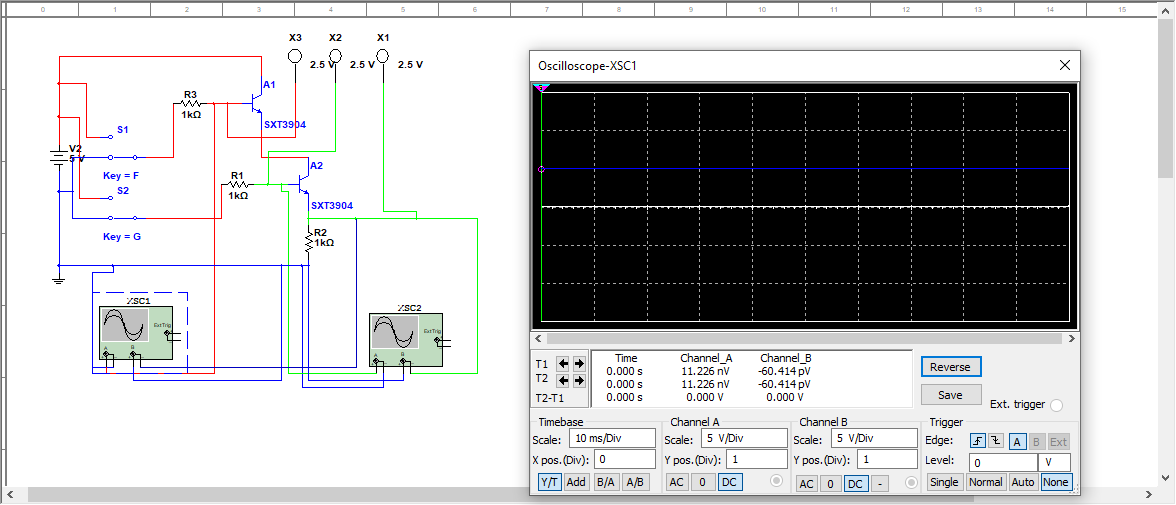
**Логический элемент – «ИЛИ»**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S2 | S3 | X1 | X2 | X3 |
| 0 | 0 | 0 | 0 | 0 |
| 0 | 1 | 0 | 1 | 1 |
| 1 | 0 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 | 1 |

****

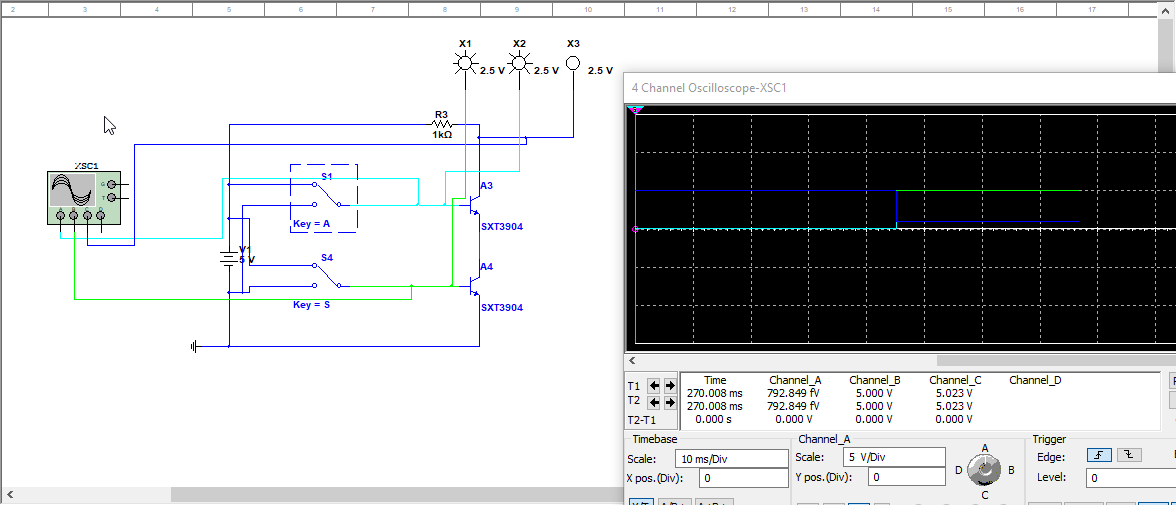
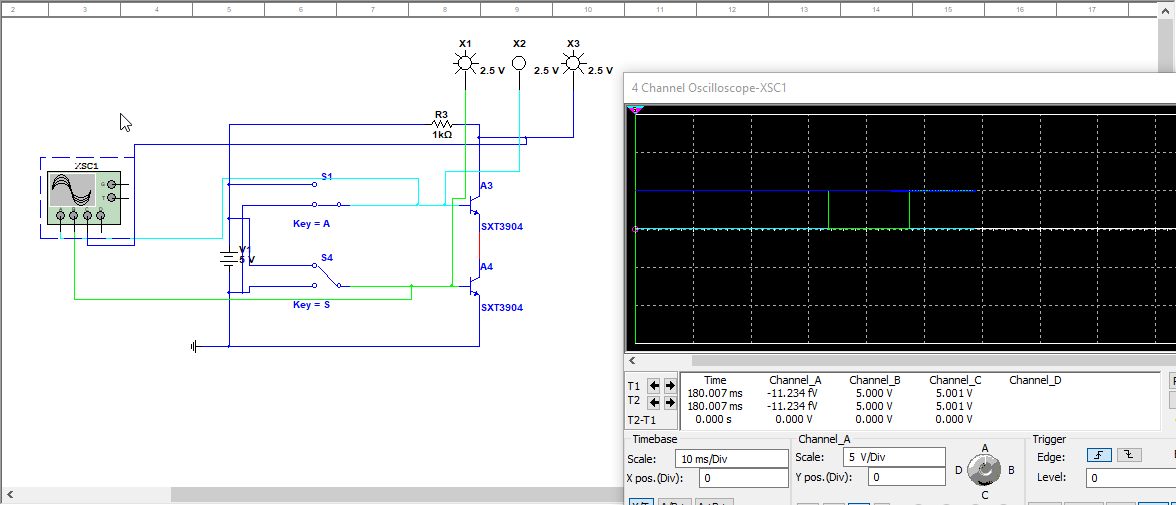
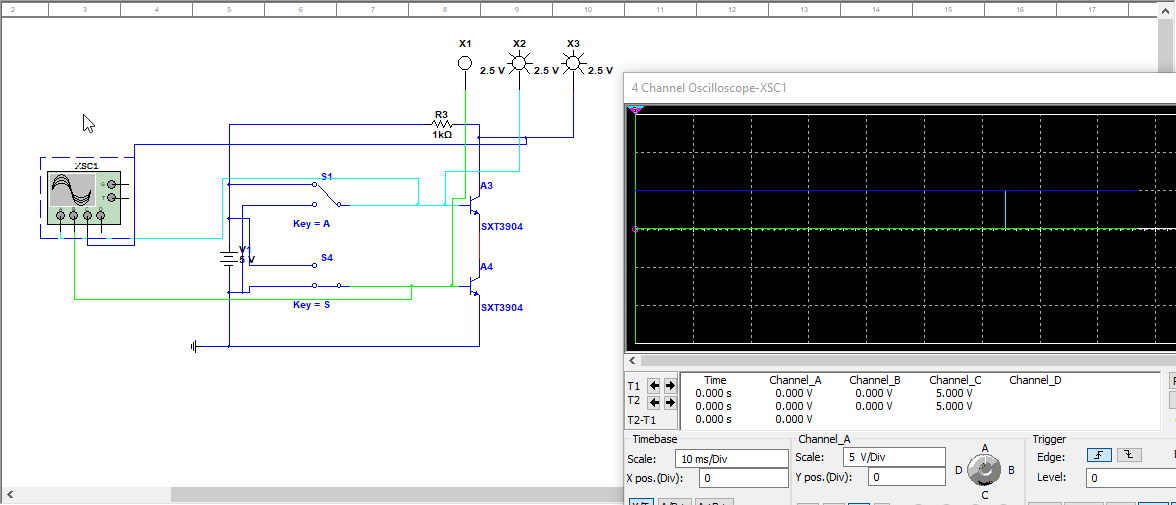
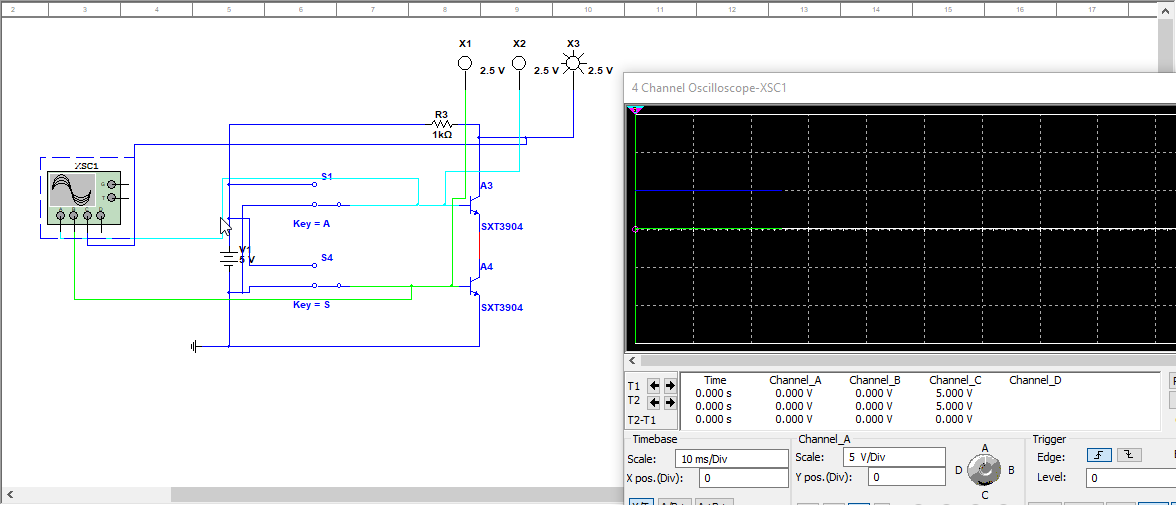
**Логический элемент – «И»**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S1 | S2 | X1 | X2 | X3 |
| 0 | 0 | 0 | 0 | 0 |
| 0 | 1 | 0 | 1 | 0 |
| 1 | 0 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 | 1 |

****

**Логический элемент – «ИЛИ-НЕ»**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S1 | S4 | X1 | X2 | X3 |
| 0 | 0 | 0 | 0 | 1 |
| 0 | 1 | 1 | 0 | 1 |
| 1 | 0 | 0 | 1 | 1 |
| 1 | 1 | 1 | 1 | 0 |

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**Логический элемент – «И-НЕ»**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S1 | S2 | X1 | X2 | X3 |
| 0 | 0 | 0 | 0 | 1 |
| 0 | 1 | 0 | 1 | 0 |
| 1 | 0 | 1 | 0 | 0 |
| 1 | 1 | 1 | 1 | 0 |

