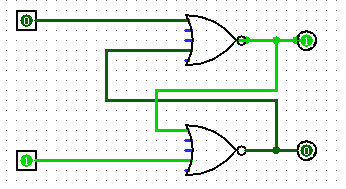
**ОТЧЁТ ПО ЛАБОРАТОРНОЙ РАБОТЕ № 4**

**Выполнил студент 3 курса МОиАИС**

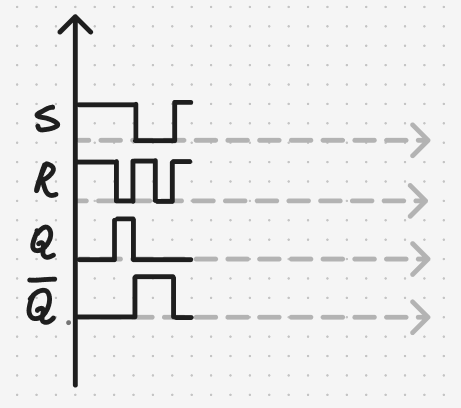
**Сушин Андрей**

**RS-триггер**

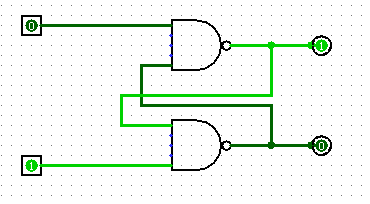
Асинхронный RS триггер с прямыми входами (2 элемента ИЛИ-НЕ)



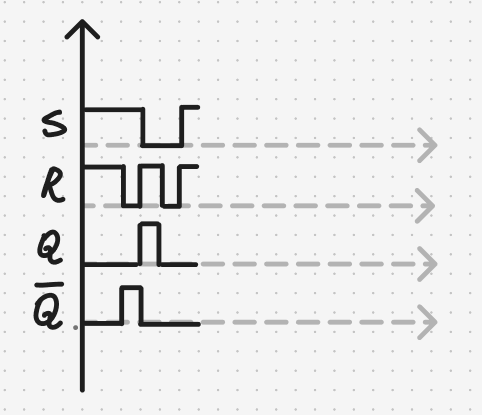
|  |  |  |  |
| --- | --- | --- | --- |
| **S** | **R** | **Q** |  |
| 0 | 0 |  |  |
| 0 | 1 | 0 | 1 |
| 1 | 0 | 1 | 0 |
| 1 | 1 | 0 | 0 |



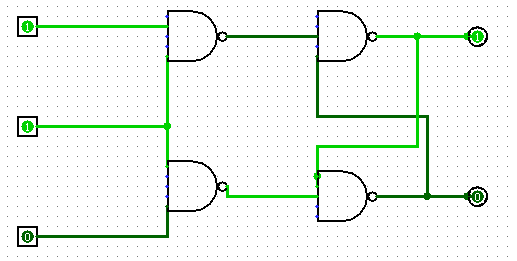
Асинхронный RS-триггер с инверсными входами (2 элемента И-НЕ)



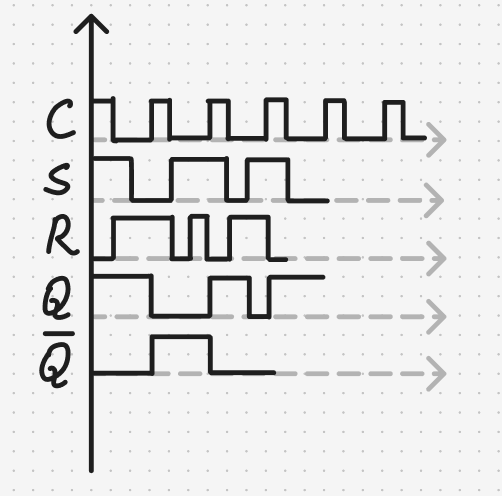
|  |  |  |  |
| --- | --- | --- | --- |
| **S** | **R** | **Q** |  |
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| 0 | 1 | 1 | 0 |
| 1 | 0 | 0 | 1 |
| 1 | 1 |  |  |



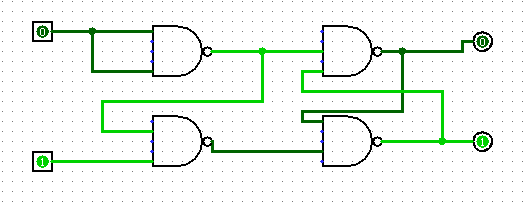
Синхронный RS-триггер



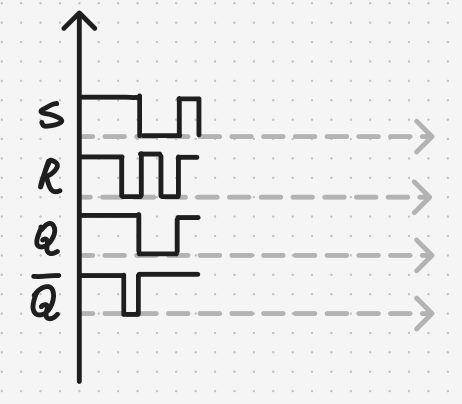
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S** | **R** | **С** | **Q** |  |
| - | - | 0 |  |  |
| 0 | 0 | 1 |  |  |
| 0 | 1 | 1 | 0 | 1 |
| 1 | 0 | 1 | 1 | 0 |
| 1 | 1 | 1 | 0 | 0 |



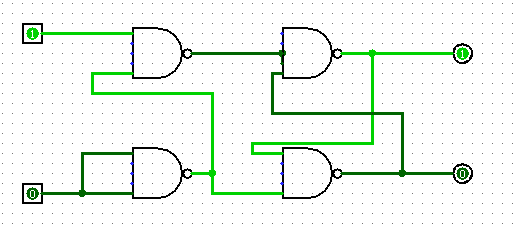
S-триггер



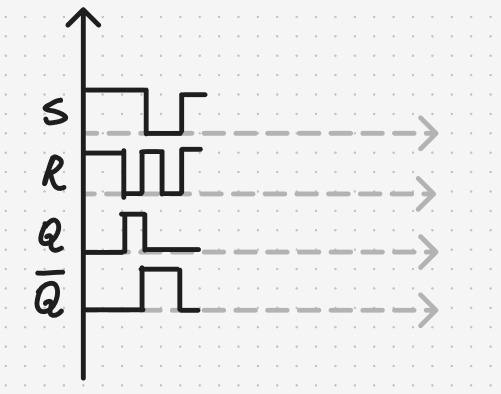
|  |  |  |  |
| --- | --- | --- | --- |
| **S** | **R** | **Q** |  |
| 0 | 0 |  |  |
| 1 | 0 | 1 | 0 |
| 0 | 1 | 0 | 1 |
| 1 | 1 | 1 | 1 |



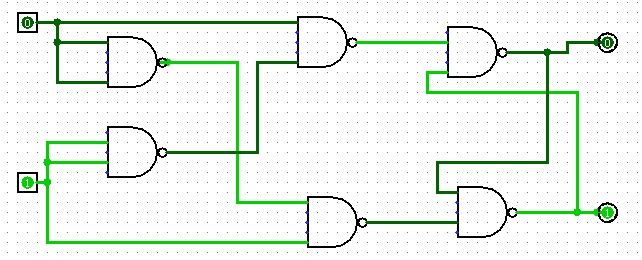
R-триггер



|  |  |  |  |
| --- | --- | --- | --- |
| **S** | **R** | **Q** |  |
| 0 | 0 |  |  |
| 1 | 0 | 1 | 0 |
| 0 | 1 | 0 | 1 |
| 1 | 1 | 0 | 0 |



E-триггер



|  |  |  |  |
| --- | --- | --- | --- |
| **S** | **R** | **Q** |  |
| 0 | 0 |  |  |
| 1 | 0 | 1 | 0 |
| 0 | 1 | 0 | 1 |
| 1 | 1 |  |  |

