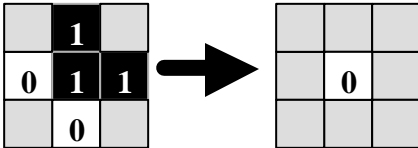


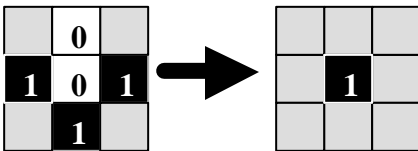
The NOR gate

Case 1: no input from either A or B.  
26 cycle animation.

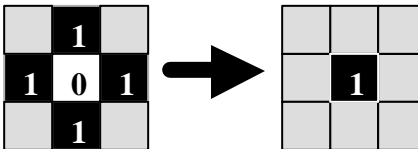
Rule 1.



Rule 2.



Rule 3.

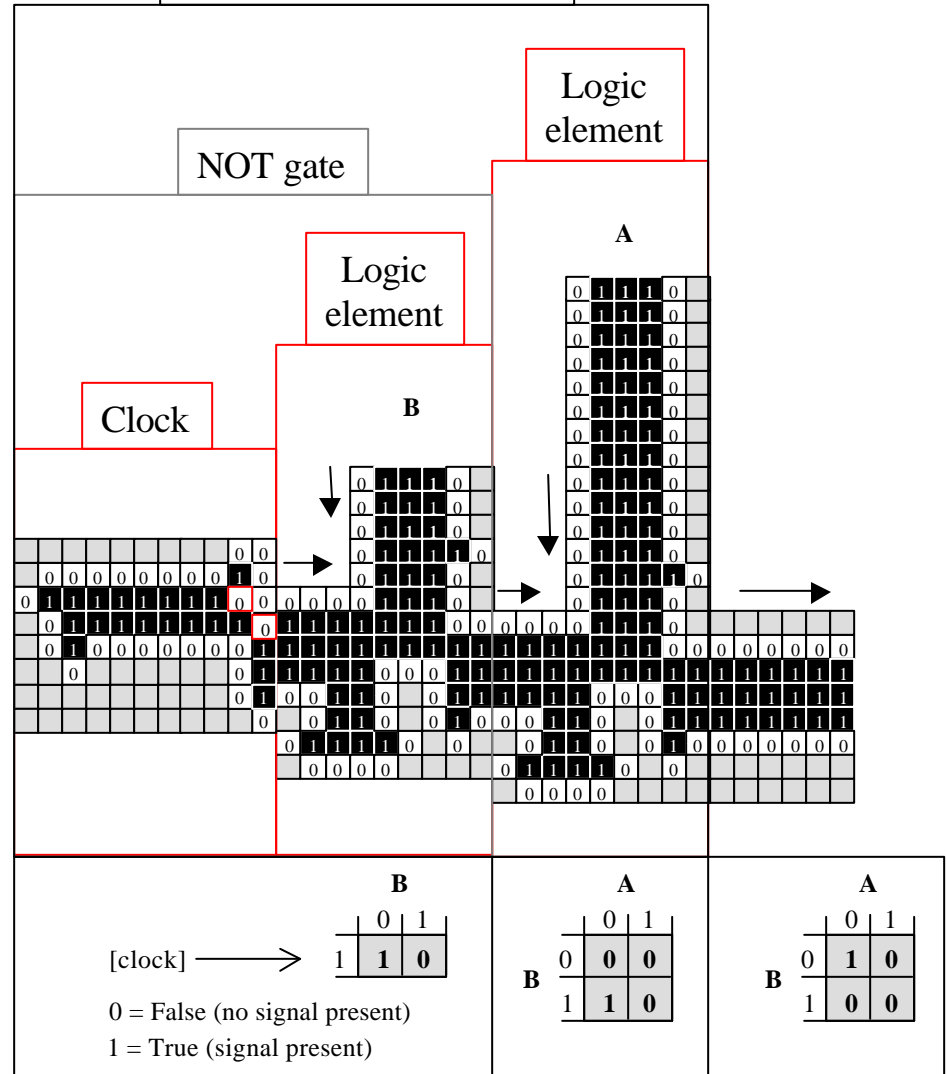


from Ross Rhodes, Commentary on Roger Banks' proof of universal computation in 2-state, 5-neighborhood cellular automata.

[http://www.bottomlayer.com/bottom/banks/banks\\_commentary.htm](http://www.bottomlayer.com/bottom/banks/banks_commentary.htm)

Start.

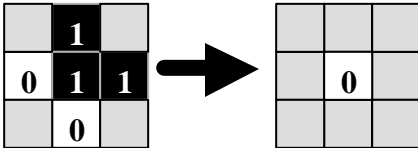
The NOR gate



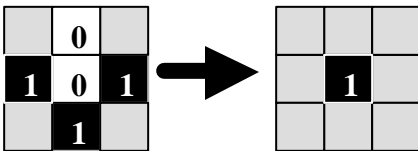
### The NOR gate

Case 1: no input from either A or B.

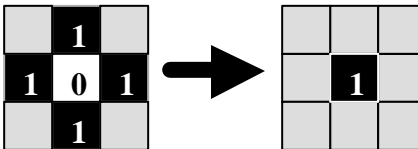
Rule 1.



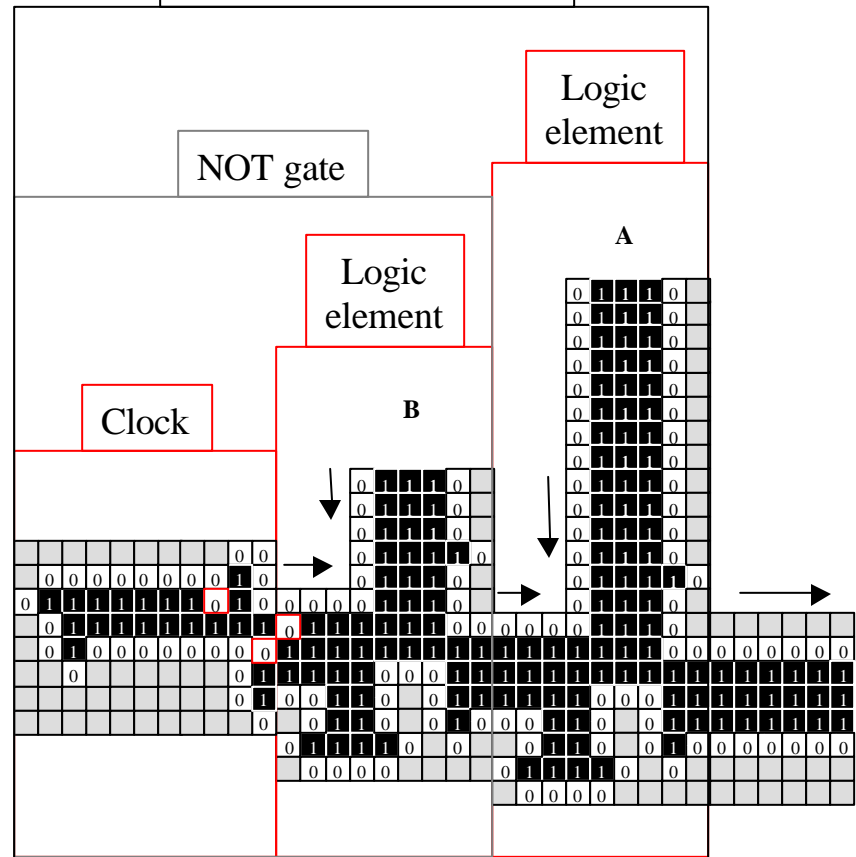
Rule 2.



Rule 3.



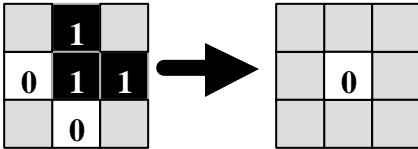
### The NOR gate



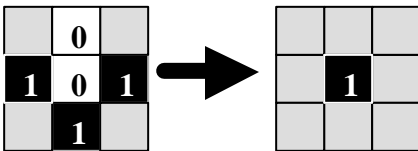
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Case 1: no input from either A or B.

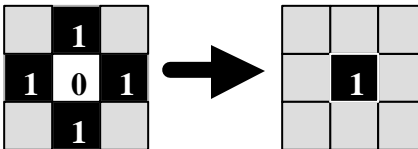
Rule 1.



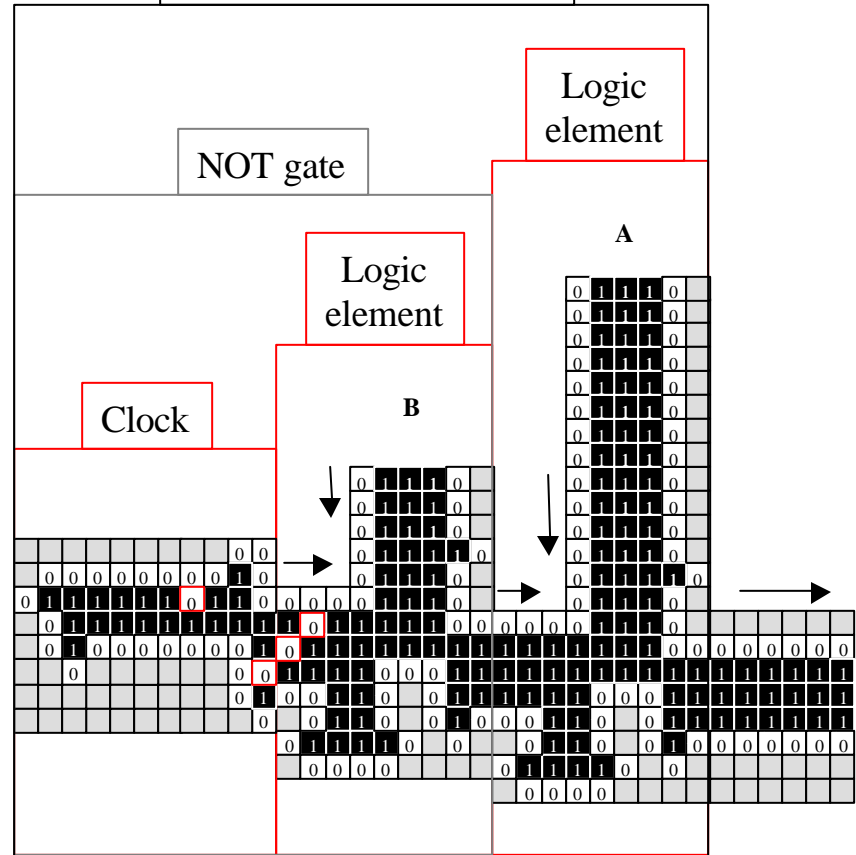
Rule 2.



Rule 3.



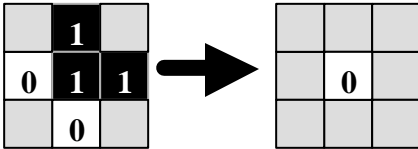
# The NOR gate



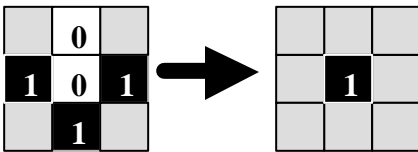
# The NOR gate

Case 1: no input from either A or B.

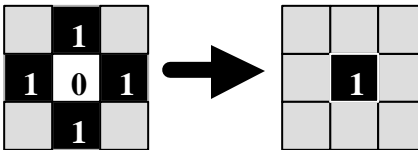
Rule 1.



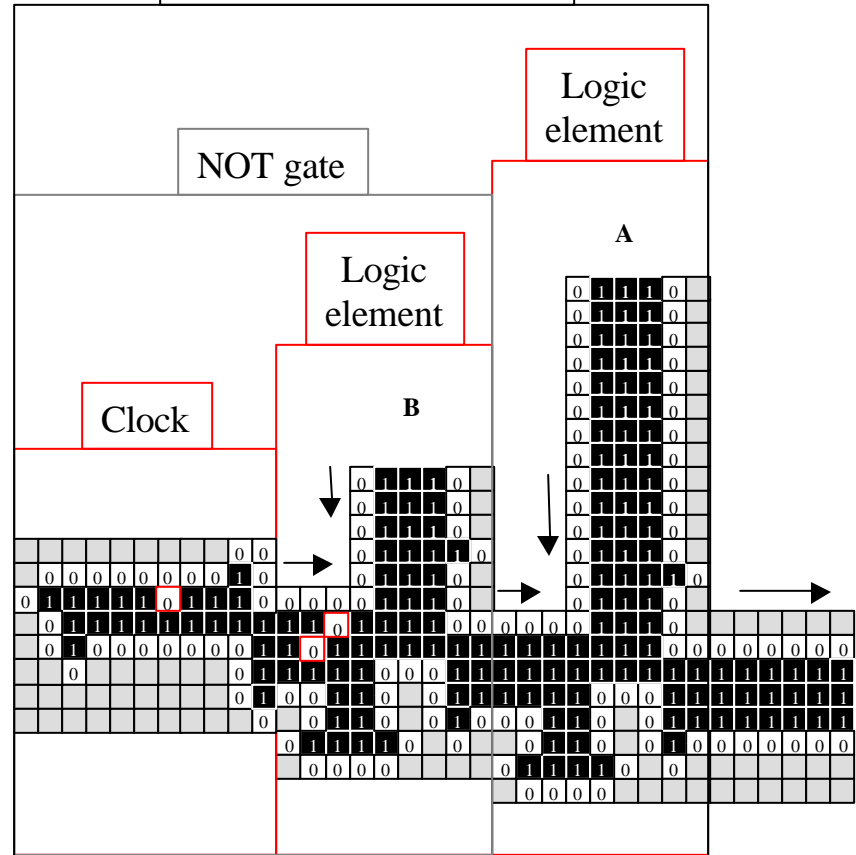
Rule 2.



Rule 3.



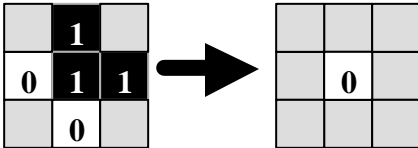
# The NOR gate



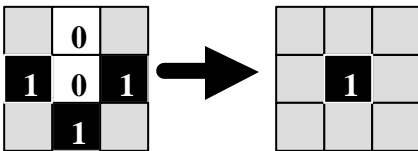
### The NOR gate

Case 1: no input from either A or B.

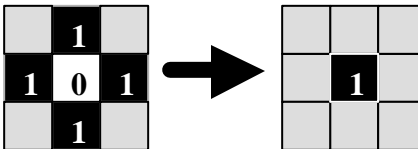
Rule 1.



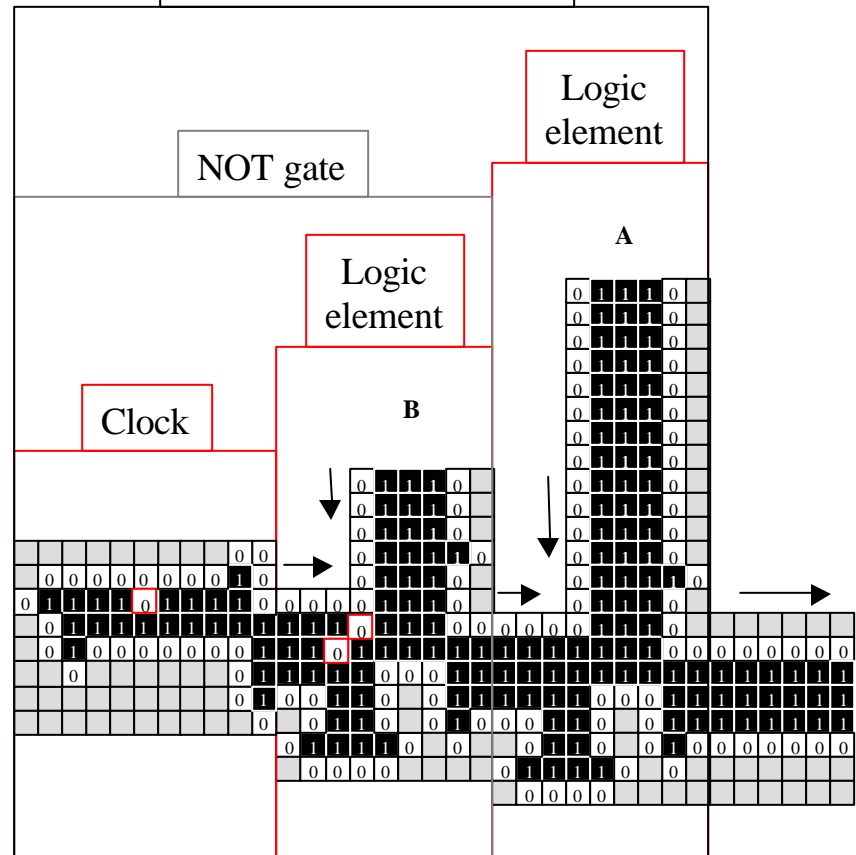
Rule 2.



Rule 3.



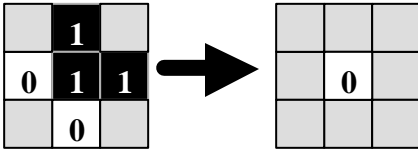
### The NOR gate



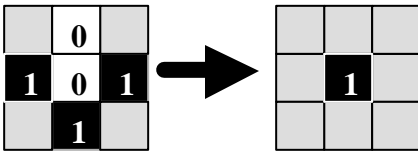
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Case 1: no input from either A or B.

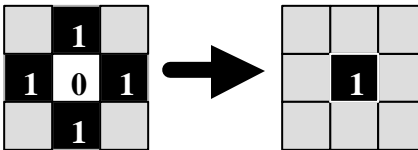
Rule 1.



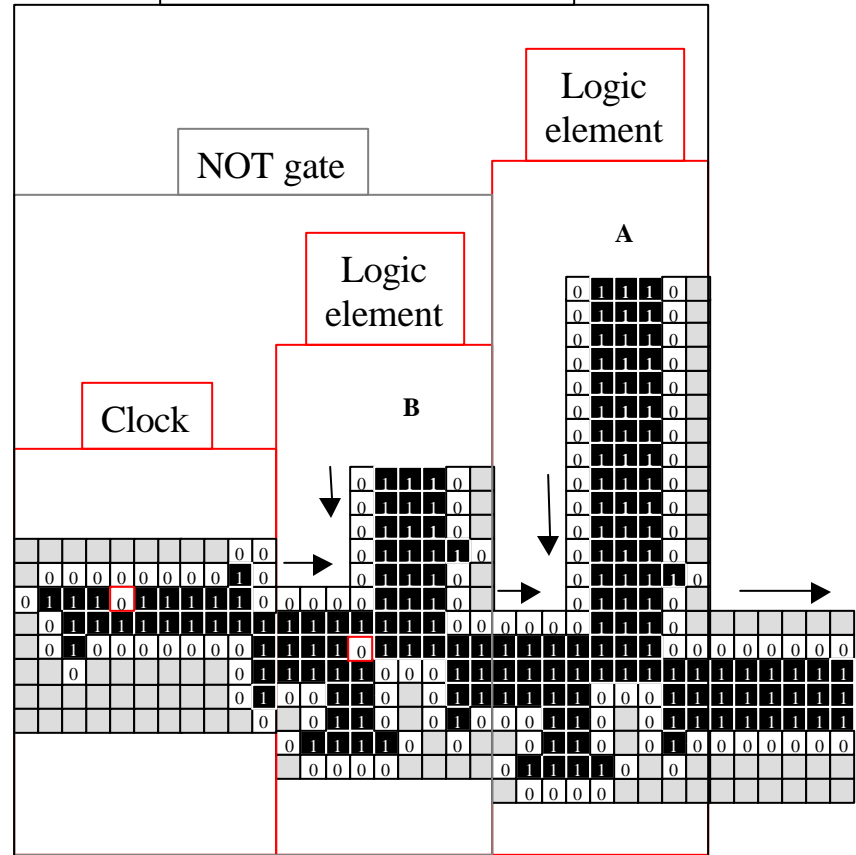
Rule 2.



Rule 3.



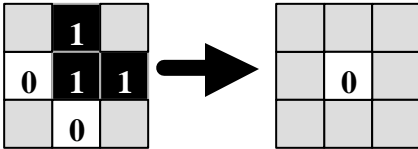
### The NOR gate



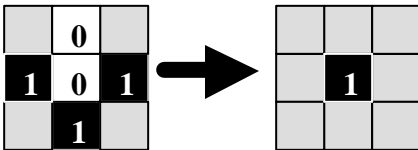
# The NOR gate

Case 1: no input from either A or B.

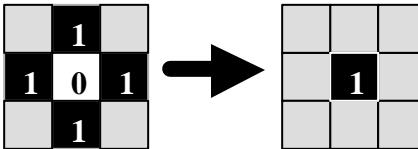
Rule 1.



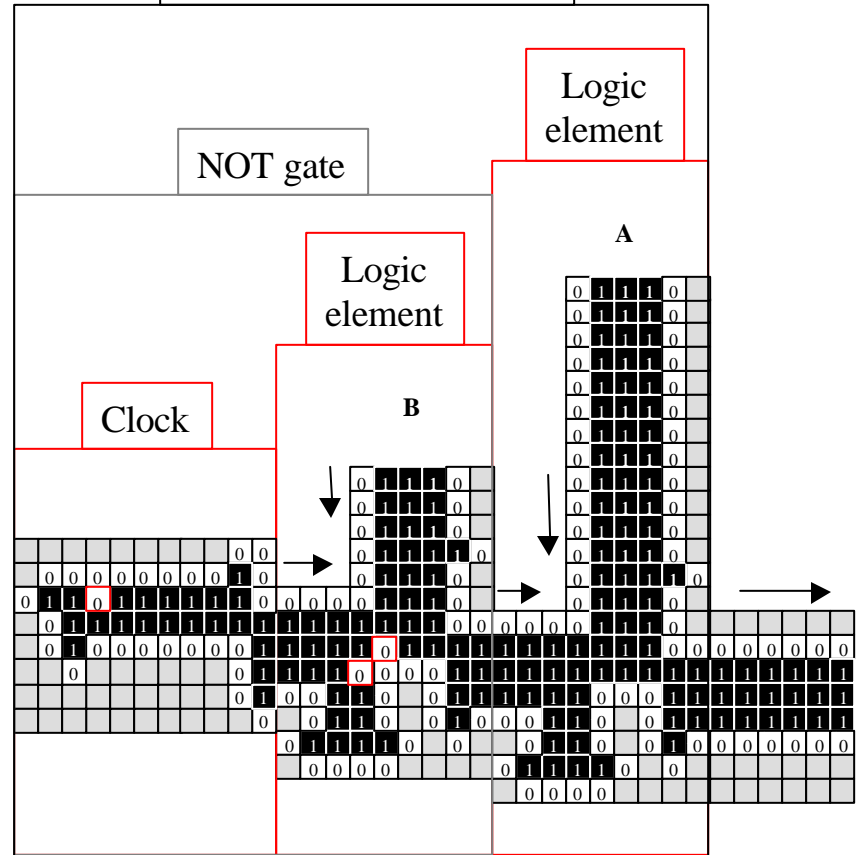
Rule 2.



Rule 3.



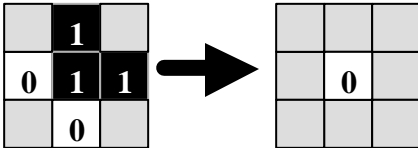
# The NOR gate



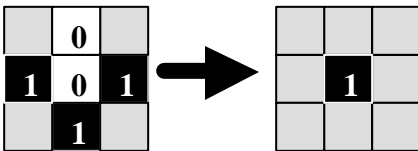
### The NOR gate

Case 1: no input from either A or B.

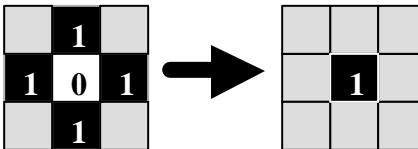
Rule 1.



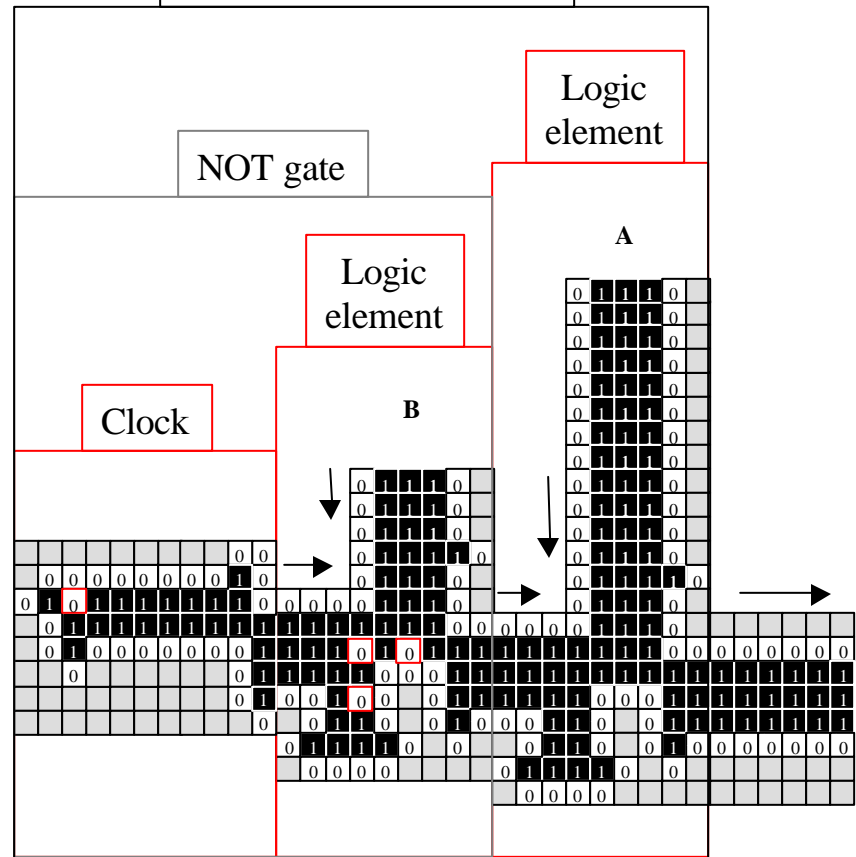
Rule 2.



Rule 3.



### The NOR gate

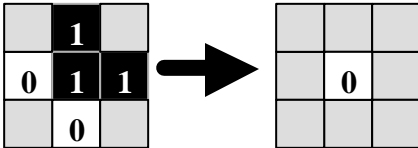




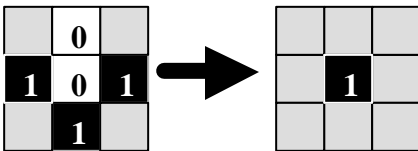
### The NOR gate

Case 1: no input from either A or B.

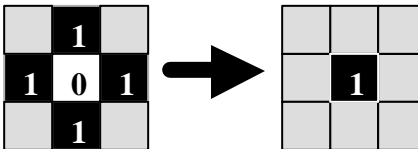
Rule 1.



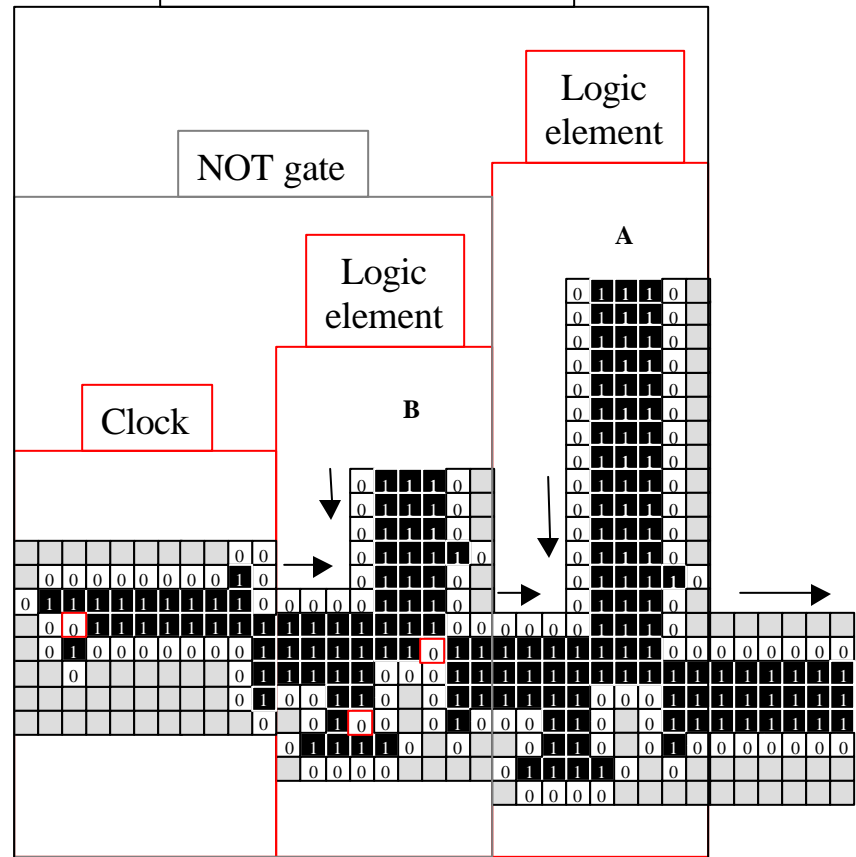
Rule 2.



Rule 3.



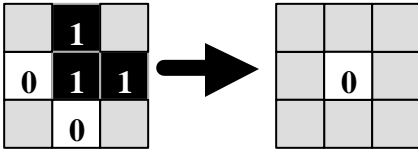
### The NOR gate



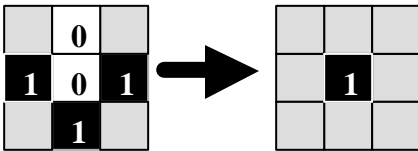
### The NOR gate

Case 1: no input from either A or B.

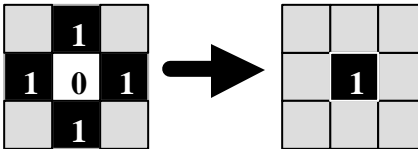
Rule 1.



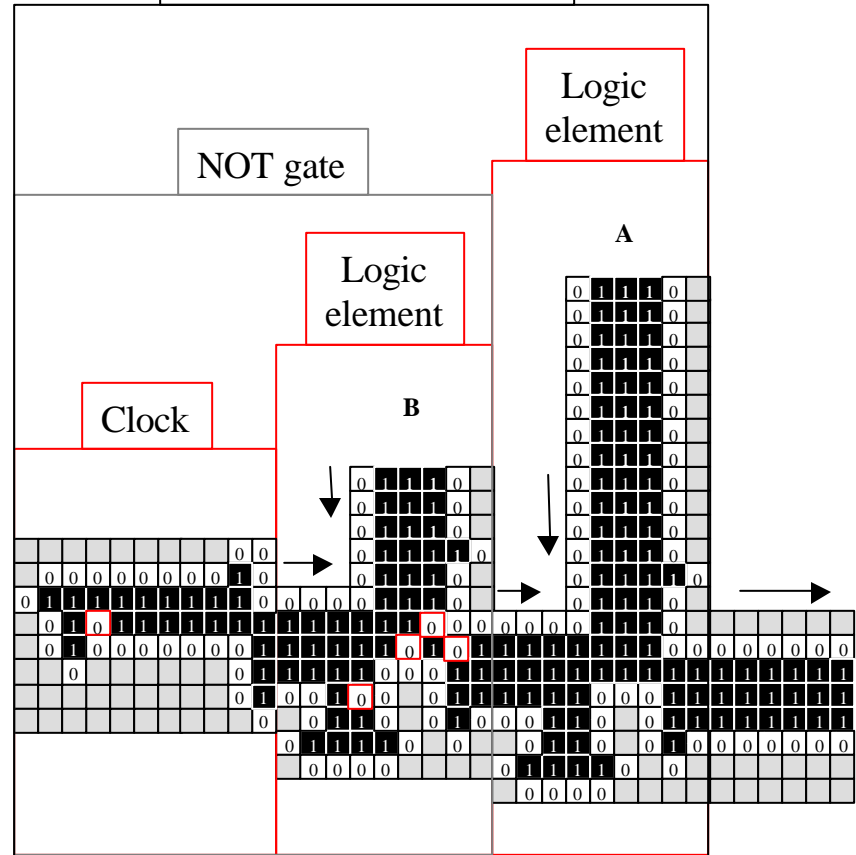
Rule 2.



Rule 3.



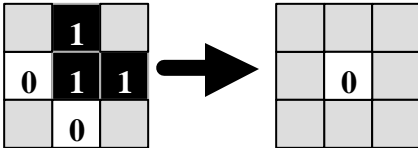
### The NOR gate



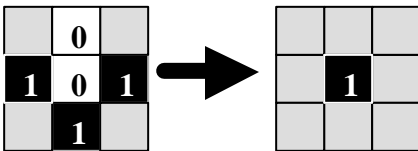
### The NOR gate

Case 1: no input from either A or B.

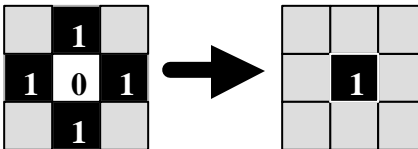
Rule 1.



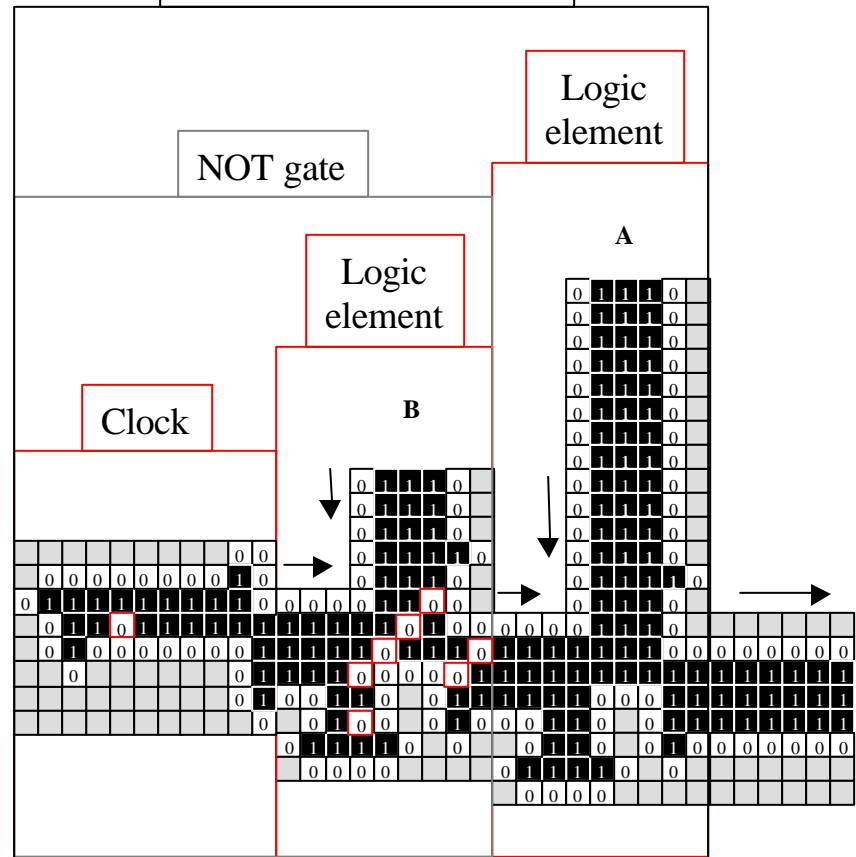
Rule 2.



Rule 3.



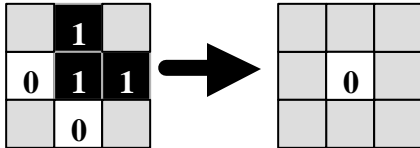
### The NOR gate



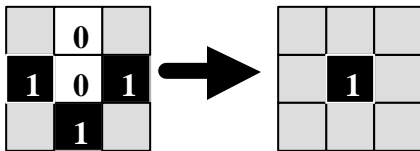
# The NOR gate

Case 1: no input from either A or B.

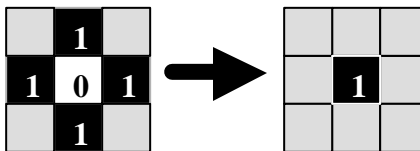
Rule 1.



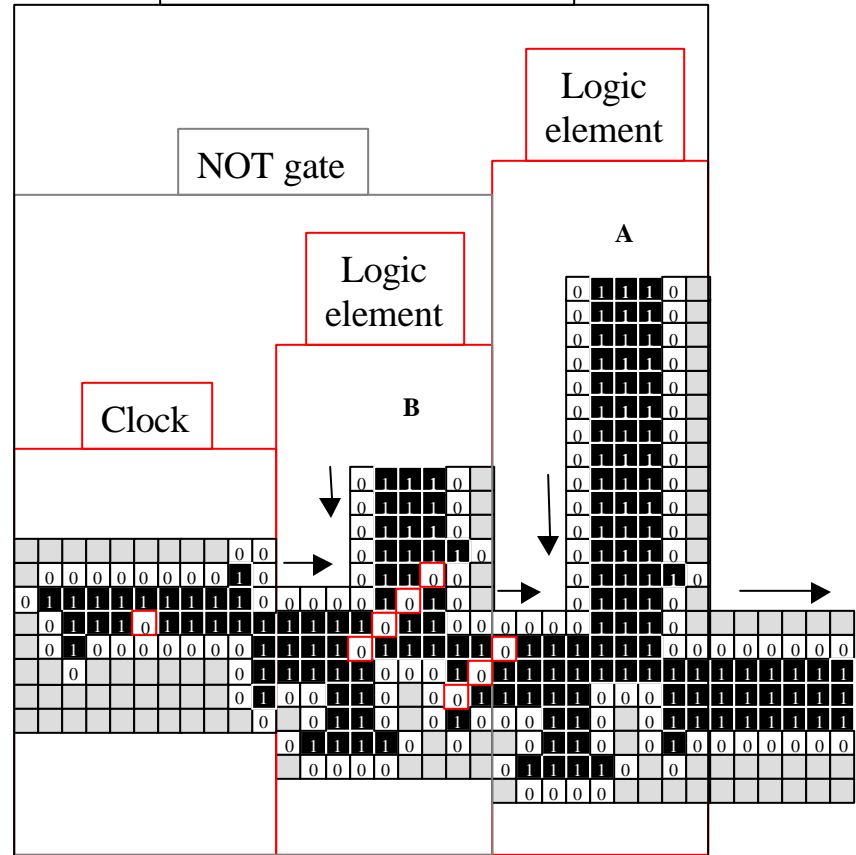
Rule 2.



Rule 3.



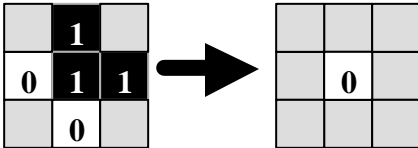
# The NOR gate



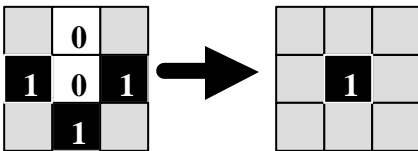
### The NOR gate

Case 1: no input from either A or B.

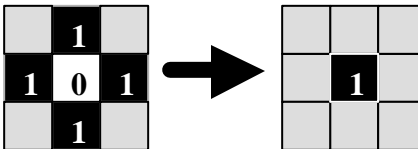
Rule 1.



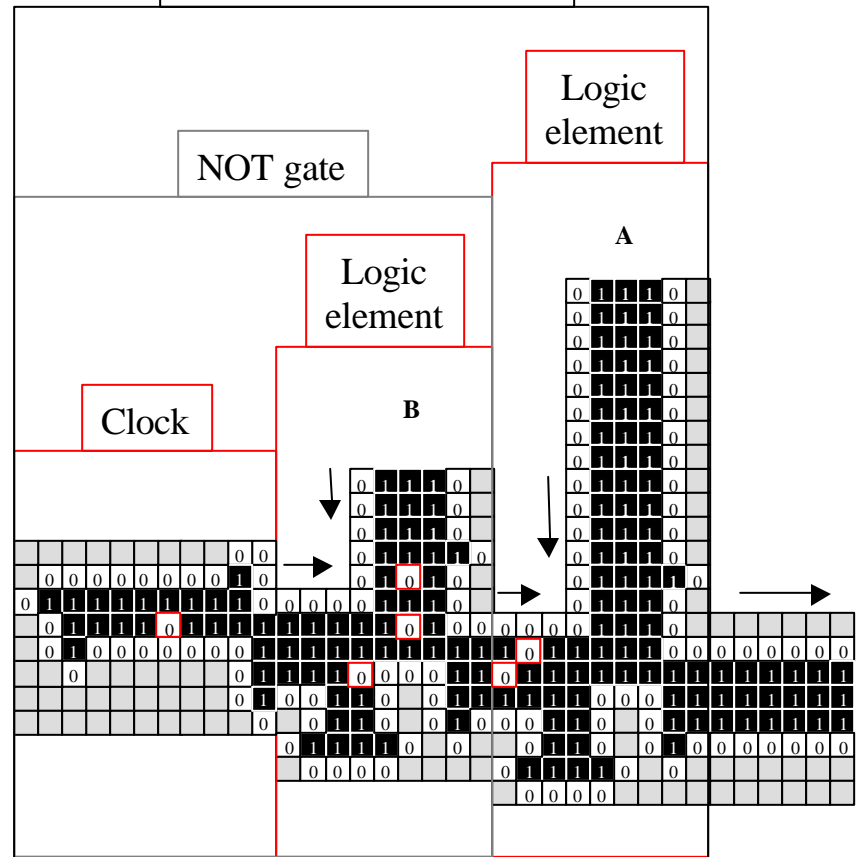
Rule 2.



Rule 3.



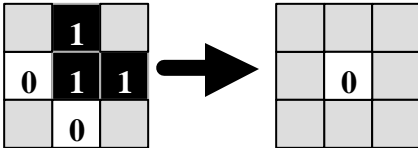
### The NOR gate



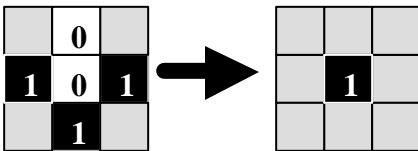
# The NOR gate

Case 1: no input from either A or B.

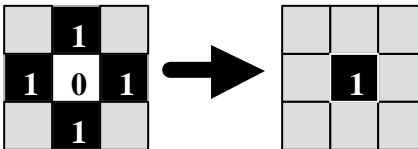
Rule 1.



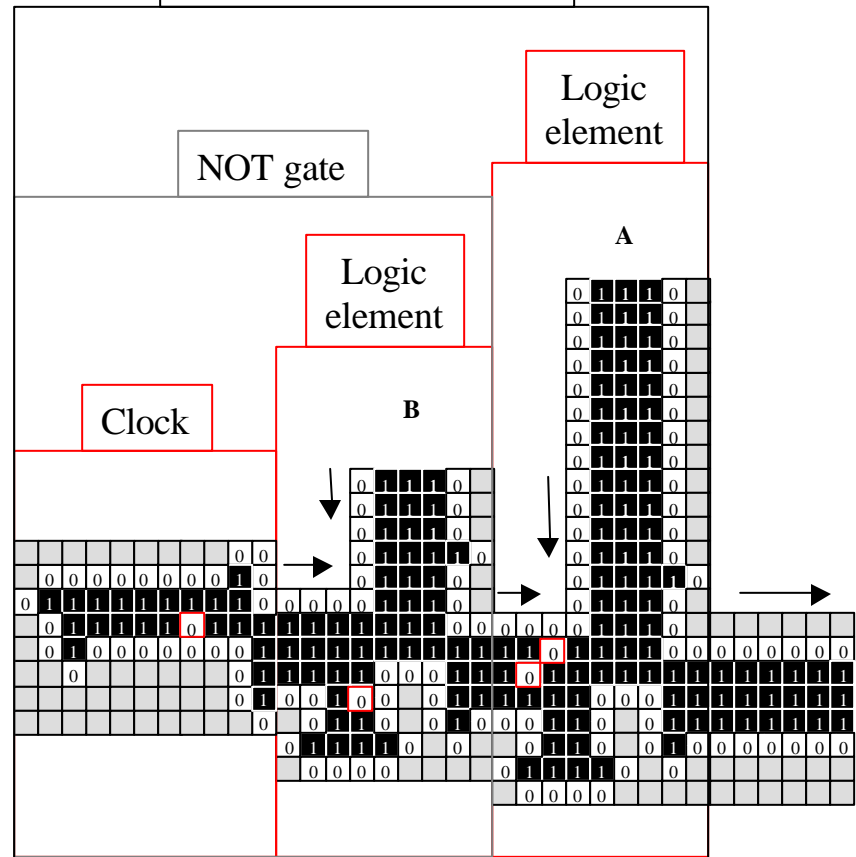
Rule 2.



Rule 3.



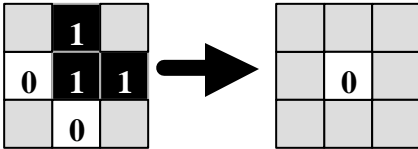
# The NOR gate



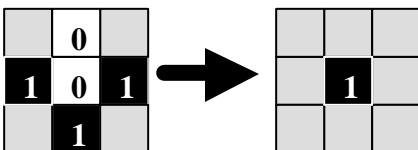
# The NOR gate

Case 1: no input from either A or B.

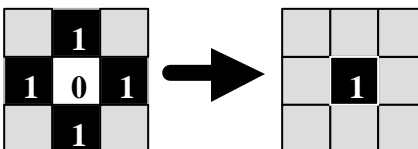
Rule 1.



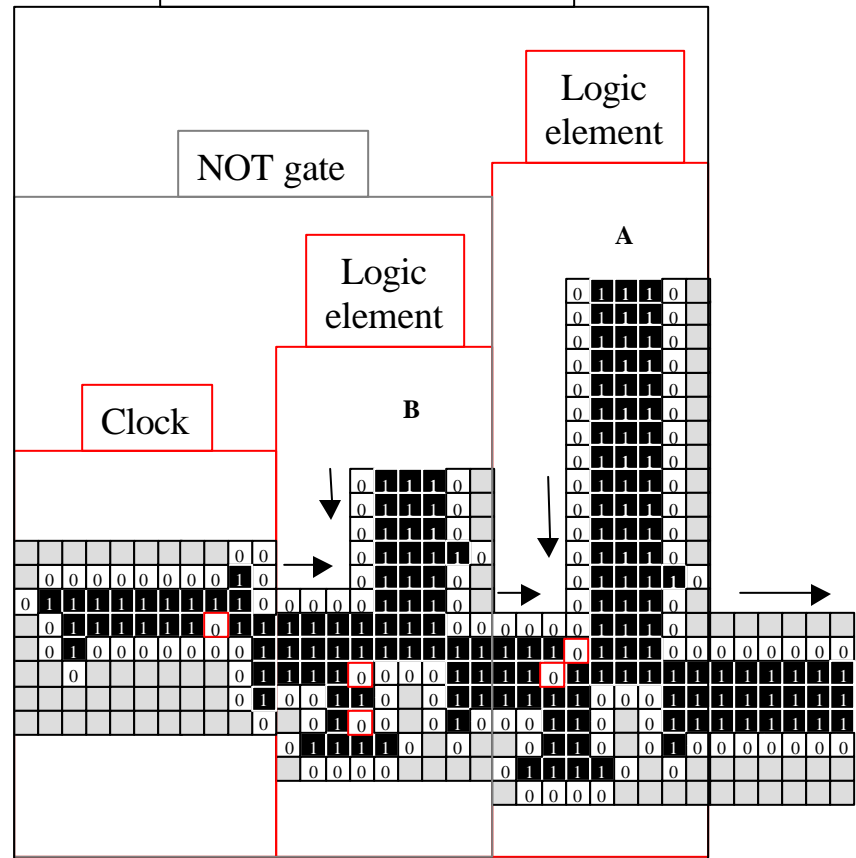
Rule 2.



Rule 3.



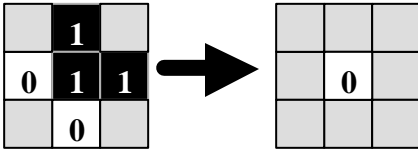
# The NOR gate



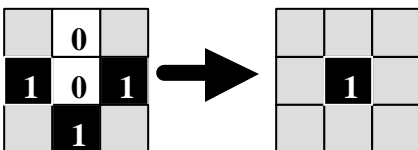
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Case 1: no input from either A or B.

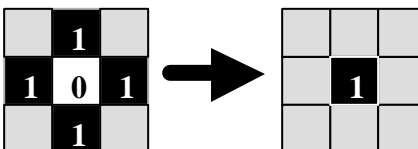
Rule 1.



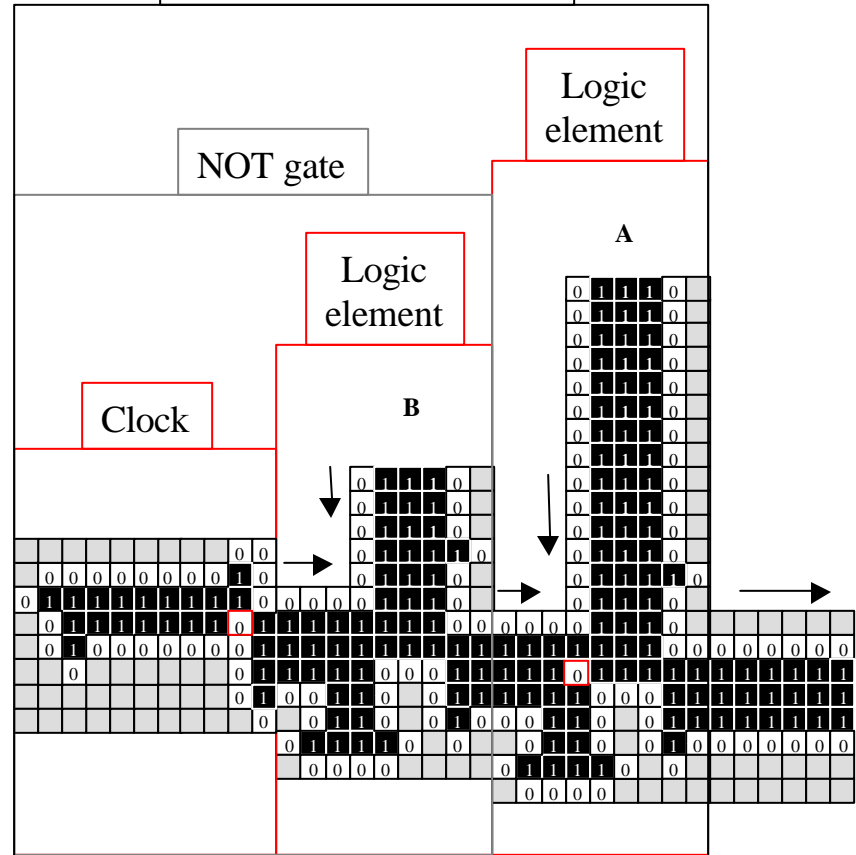
Rule 2.



Rule 3.



### The NOR gate

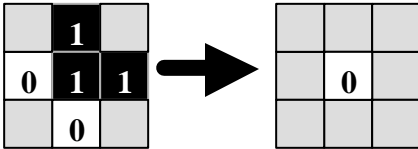




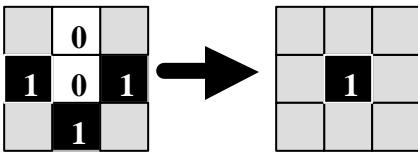
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Case 1: no input from either A or B.

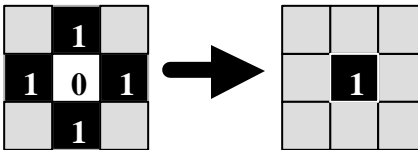
Rule 1.



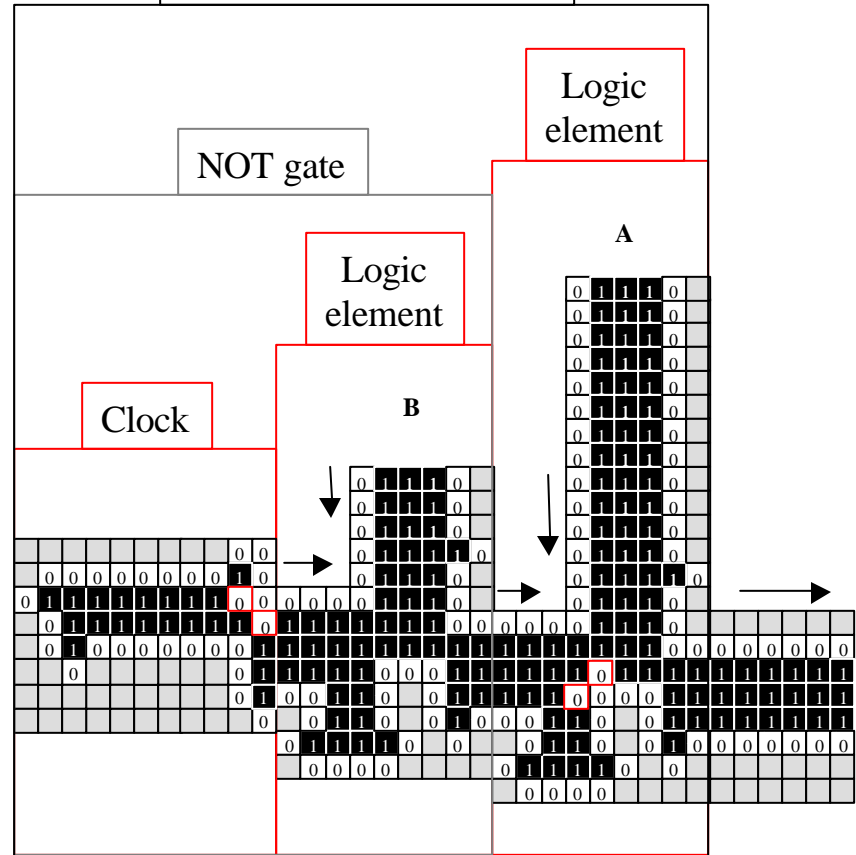
Rule 2.



Rule 3.



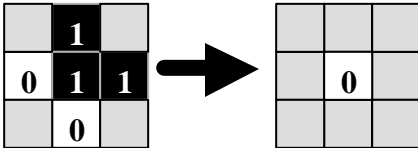
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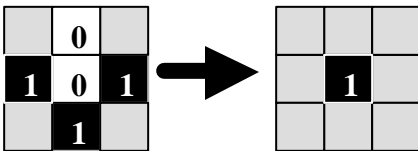
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Case 1: no input from either A or B.

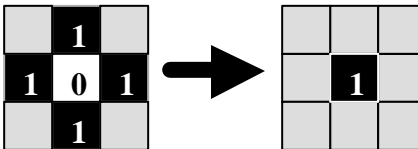
Rule 1.



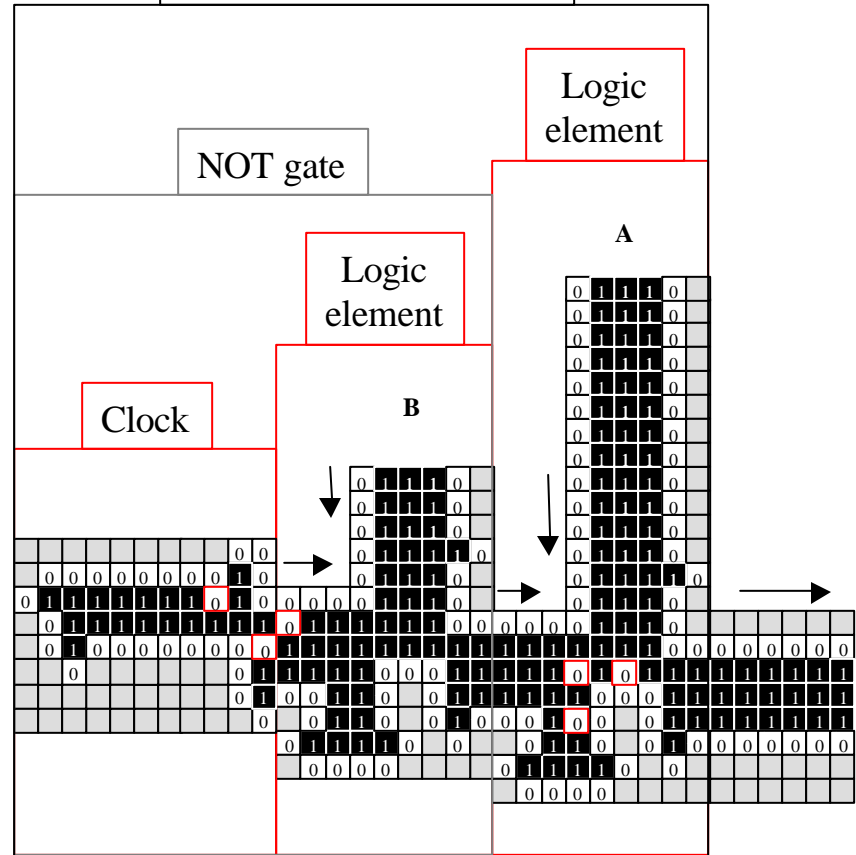
Rule 2.



Rule 3.



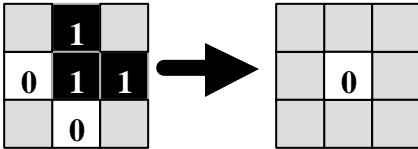
### The NOR gate



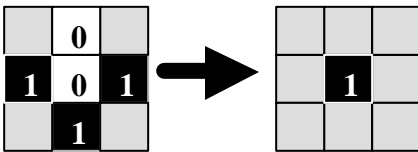
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Case 1: no input from either A or B.

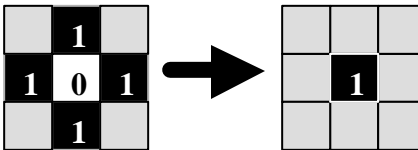
Rule 1.



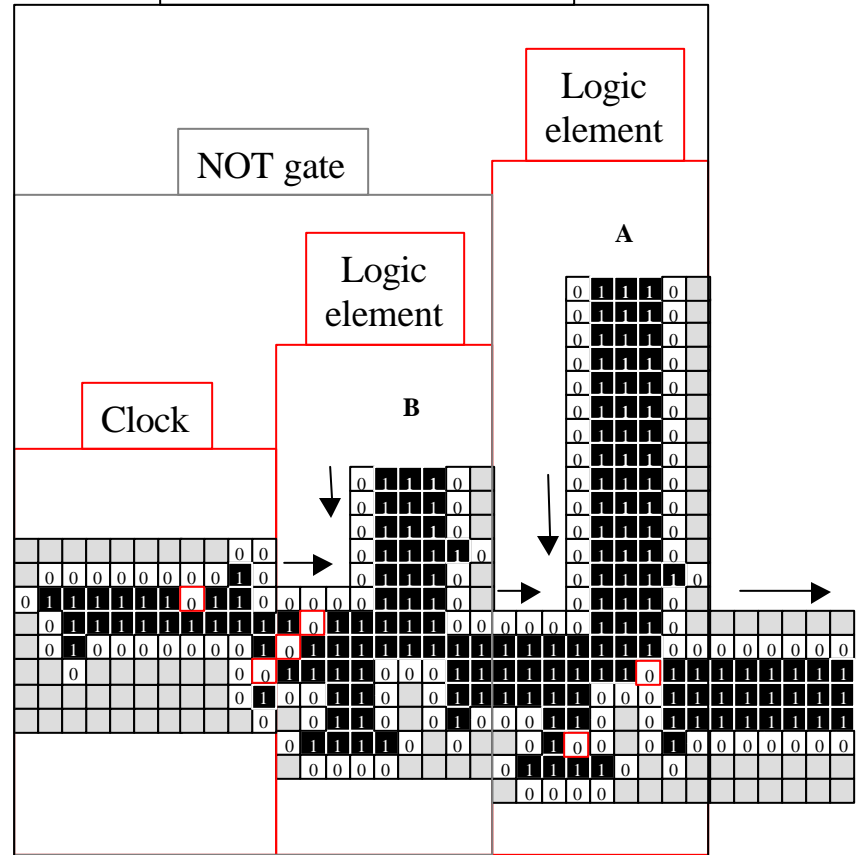
Rule 2.



Rule 3.



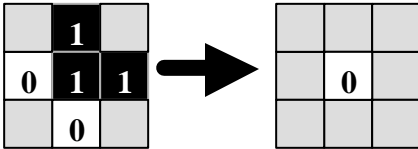
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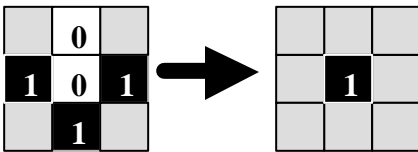
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Case 1: no input from either A or B.

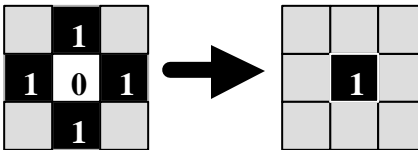
Rule 1.



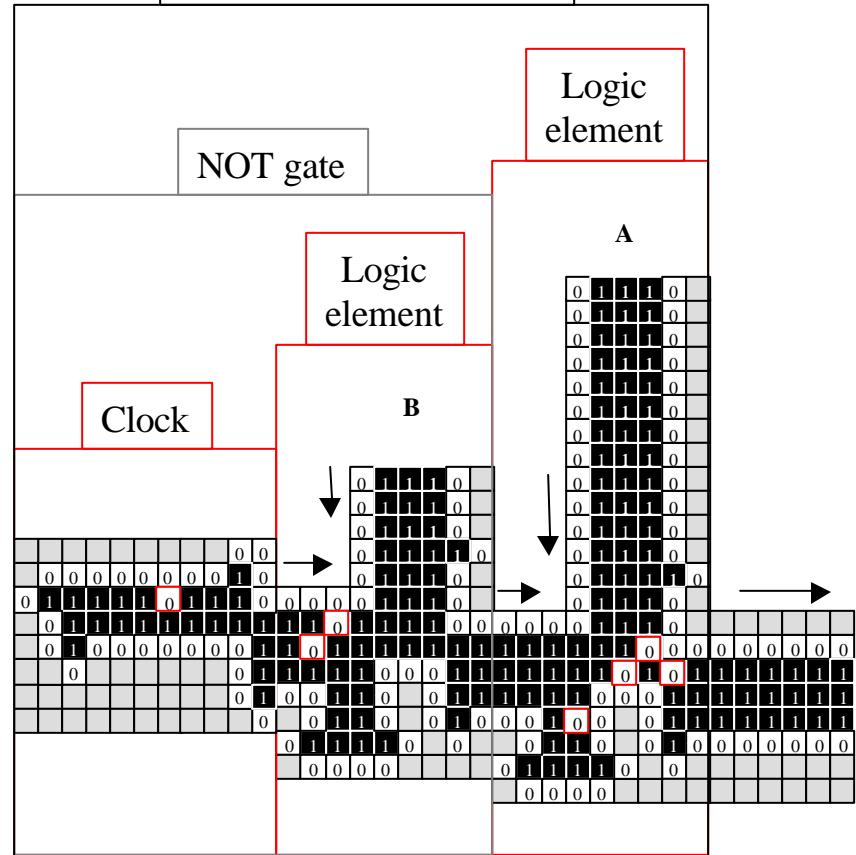
Rule 2.



Rule 3.



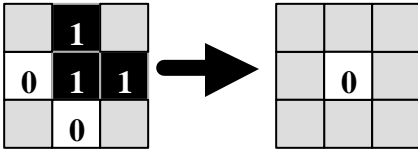
### The NOR gate



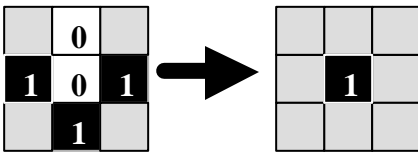
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Case 1: no input from either A or B.

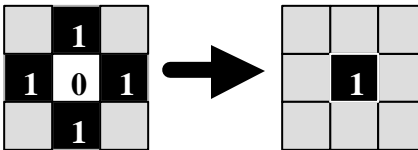
Rule 1.



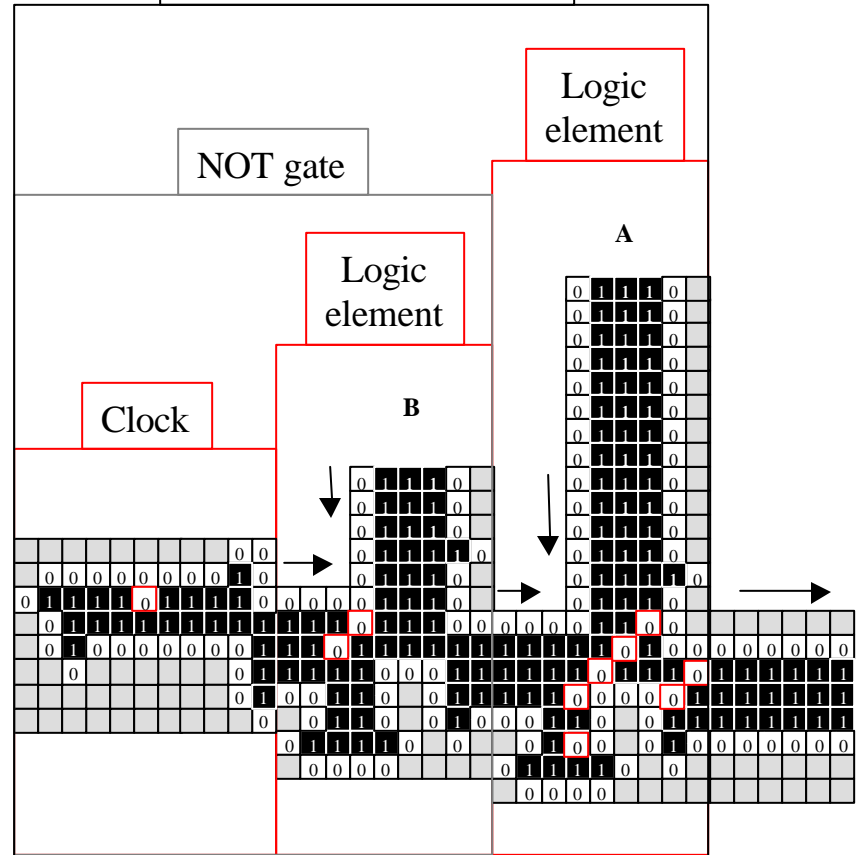
Rule 2.



Rule 3.



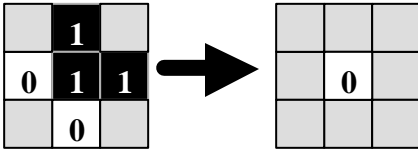
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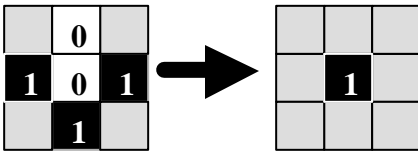
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Case 1: no input from either A or B.

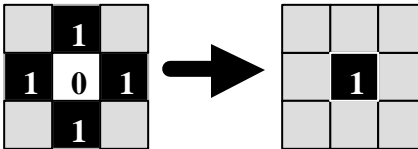
Rule 1.



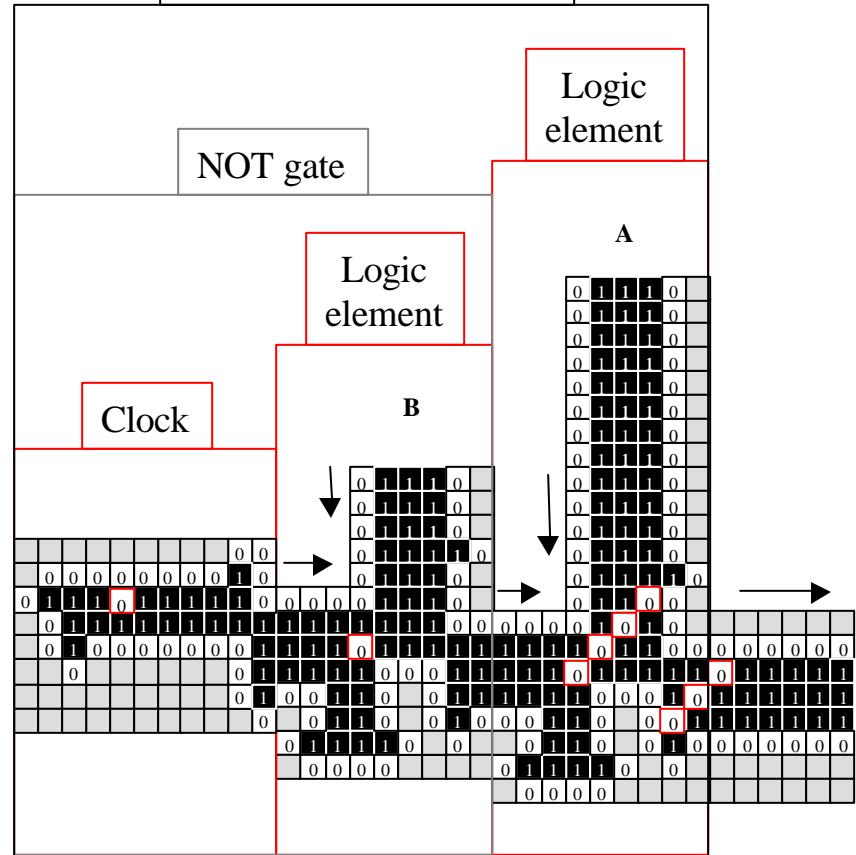
Rule 2.



Rule 3.



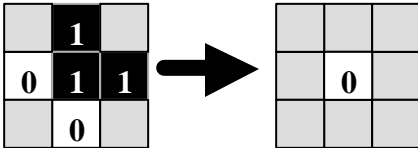
### The NOR gate



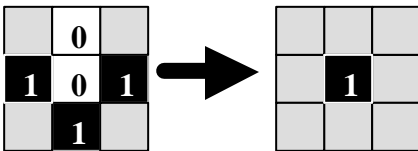
### The NOR gate

Case 1: no input from either A or B.

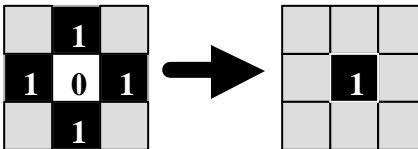
Rule 1.



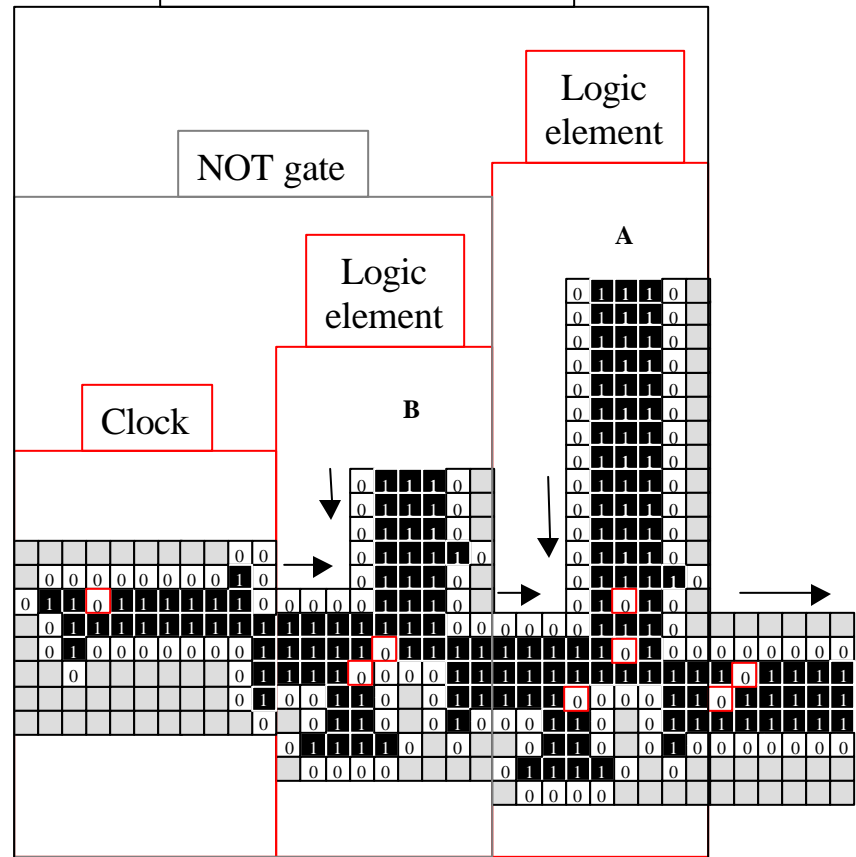
Rule 2.



Rule 3.



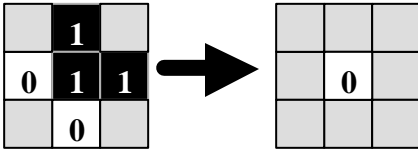
### The NOR gate



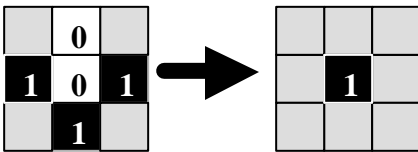
### The NOR gate

Case 1: no input from either A or B.

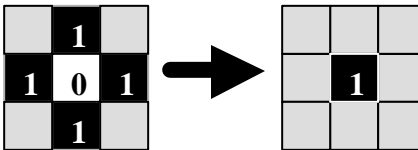
Rule 1.



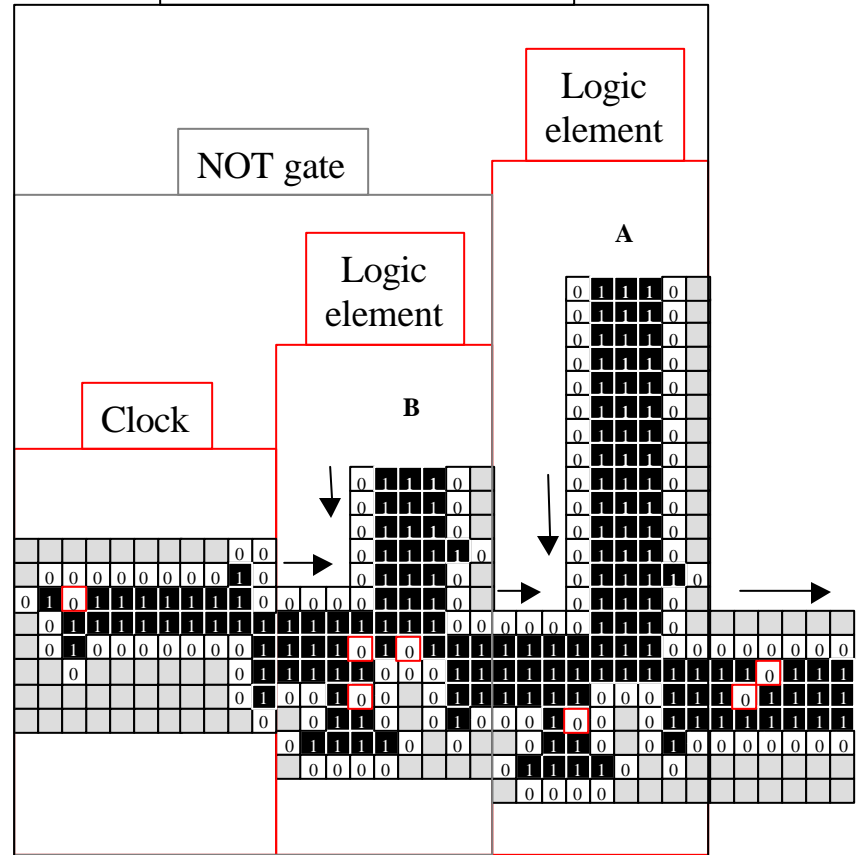
Rule 2.



Rule 3.



### The NOR gate

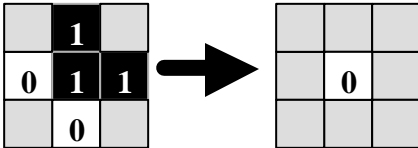




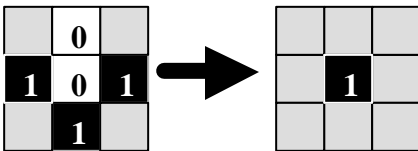
### The NOR gate

Case 1: no input from either A or B.

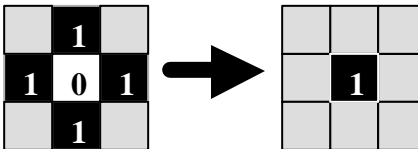
Rule 1.



Rule 2.



Rule 3.



### The NOR gate

