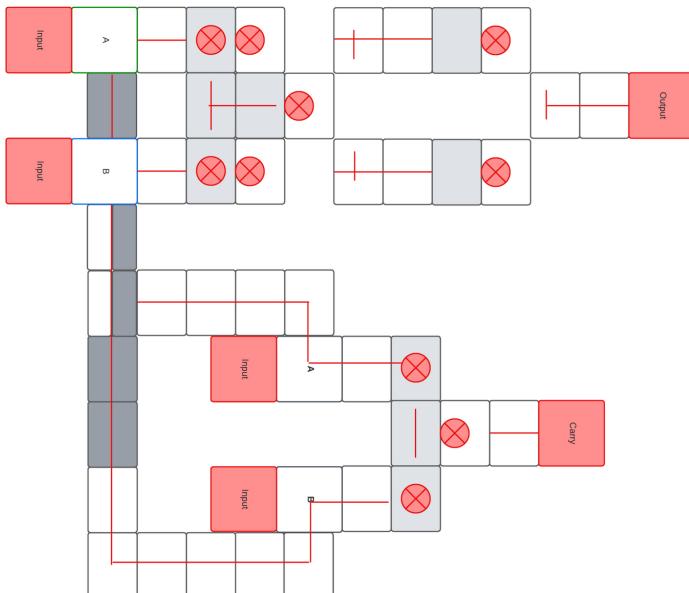
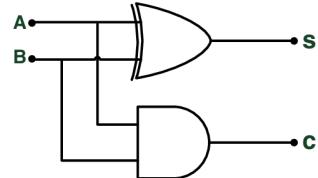


# Half-Adder



Green: input A (lever)  
 Blue: input B (lever)  
 Red line: redstone powder  
 Red circle with X: redstone torch  
 Red circle: redstone lamp  
 One quartz block: one quartz block  
 Two quartz blocks: two quartz blocks  
 Gray block: - two quartz blocks  
 Gray block with border: one quartz block on top and - two quartz blocks under



Inputs		Outputs	
A	B	Sum	Carry
0	0	0	0
0	1	1	0
1	0	1	0
1	1	0	1

[https://www.researchgate.net/figure/Half-adder-circuit-diagram\\_fig1\\_272015389](https://www.researchgate.net/figure/Half-adder-circuit-diagram_fig1_272015389)  
<https://www.javatpoint.com/half-adder-in-digital-electronics>

## Minecraft implementation

