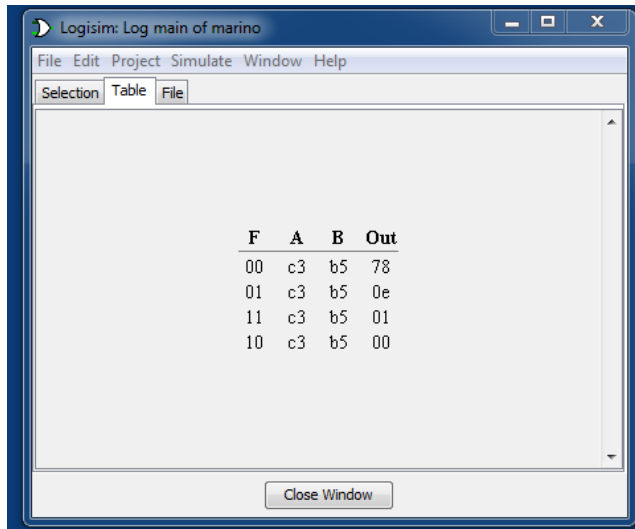


The screenshot shows a window titled "Logisim: Log main of marino". The window has a menu bar with "File", "Edit", "Project", "Simulate", "Window", and "Help". Below the menu bar are three tabs: "Selection", "Table", and "File". The "Table" tab is active, displaying a truth table with the following content:

| F  | A  | B  | Out |
|----|----|----|-----|
| 00 | aa | 55 | ff  |
| 01 | aa | 55 | 55  |
| 11 | aa | 55 | 01  |
| 10 | aa | 55 | 00  |

At the bottom of the window is a "Close Window" button.

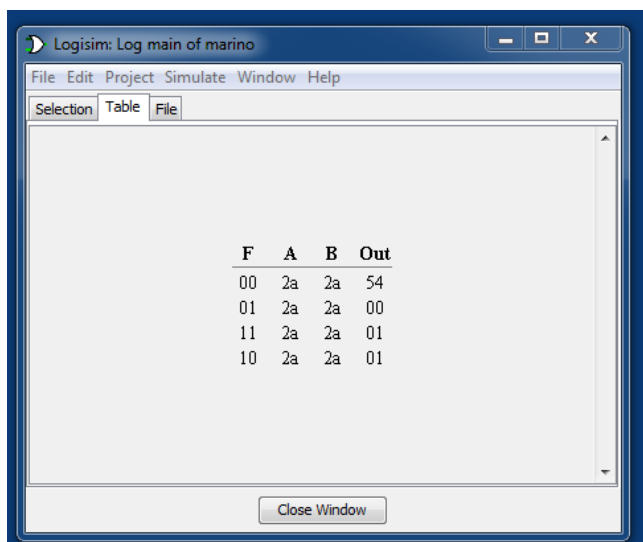
Test 2: A=11000011, B=10110101, A>B and the sum exceeds 8-bits



The screenshot shows a Logisim window titled "Logisim: Log main of marino". It has a menu bar with "File", "Edit", "Project", "Simulate", "Window", and "Help". Below the menu bar are three tabs: "Selection", "Table", and "File". The "Table" tab is active, displaying a truth table with four columns: "F", "A", "B", and "Out". The table contains five rows of data. At the bottom of the window is a "Close Window" button.

| F  | A  | B  | Out |
|----|----|----|-----|
| 00 | c3 | b5 | 78  |
| 01 | c3 | b5 | 0e  |
| 11 | c3 | b5 | 01  |
| 10 | c3 | b5 | 00  |

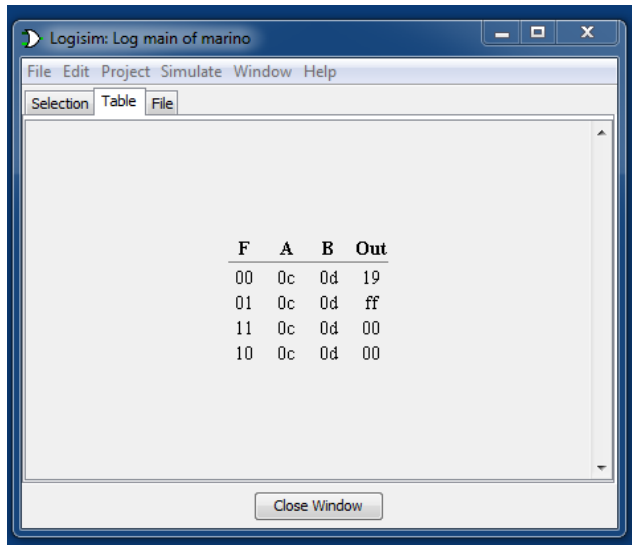
Test 3: A=B=00101010



The screenshot shows a Logisim window titled "Logisim: Log main of marino". It has a menu bar with "File", "Edit", "Project", "Simulate", "Window", and "Help". Below the menu bar are three tabs: "Selection", "Table", and "File". The "Table" tab is active, displaying a truth table with four columns: "F", "A", "B", and "Out". The table contains five rows of data. At the bottom of the window is a "Close Window" button.

| F  | A  | B  | Out |
|----|----|----|-----|
| 00 | 2a | 2a | 54  |
| 01 | 2a | 2a | 00  |
| 11 | 2a | 2a | 01  |
| 10 | 2a | 2a | 01  |

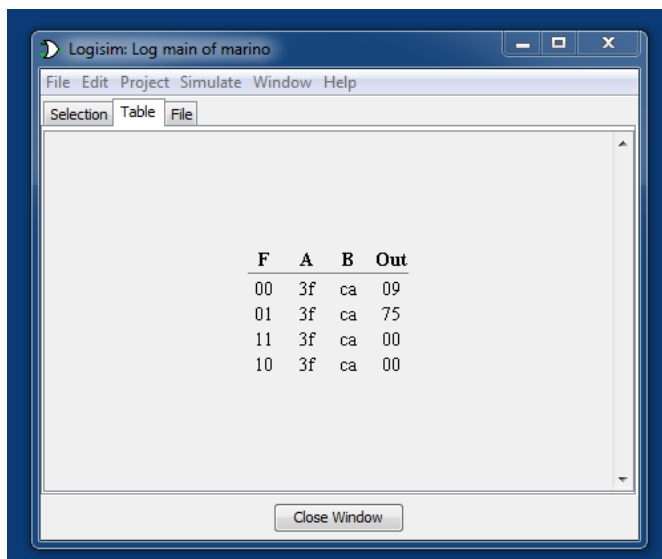
Test 4: A=00001100, B=00001110, B>A and the sum is in range



The screenshot shows a window titled "Logisim: Log main of marino" with a menu bar (File, Edit, Project, Simulate, Window, Help) and tabs (Selection, Table, File). The "Table" tab is active, displaying a truth table with columns F, A, B, and Out. The table contains four rows of data. A "Close Window" button is at the bottom.

| F  | A  | B  | Out |
|----|----|----|-----|
| 00 | 0c | 0d | 19  |
| 01 | 0c | 0d | ff  |
| 11 | 0c | 0d | 00  |
| 10 | 0c | 0d | 00  |

Test 5: A=00111111, B=11001010, B>A and the sum exceeds 8-bits



The screenshot shows a window titled "Logisim: Log main of marino" with a menu bar (File, Edit, Project, Simulate, Window, Help) and tabs (Selection, Table, File). The "Table" tab is active, displaying a truth table with columns F, A, B, and Out. The table contains four rows of data. A "Close Window" button is at the bottom.

| F  | A  | B  | Out |
|----|----|----|-----|
| 00 | 3f | ca | 09  |
| 01 | 3f | ca | 75  |
| 11 | 3f | ca | 00  |
| 10 | 3f | ca | 00  |