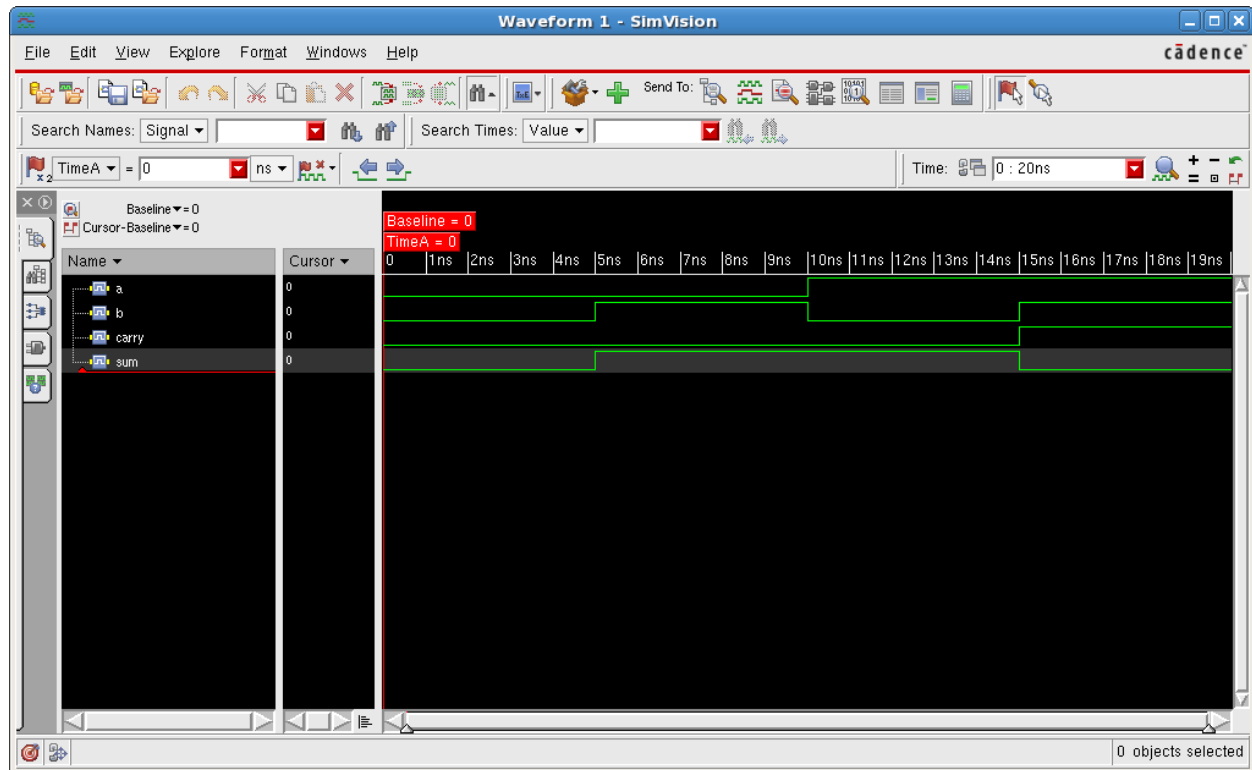
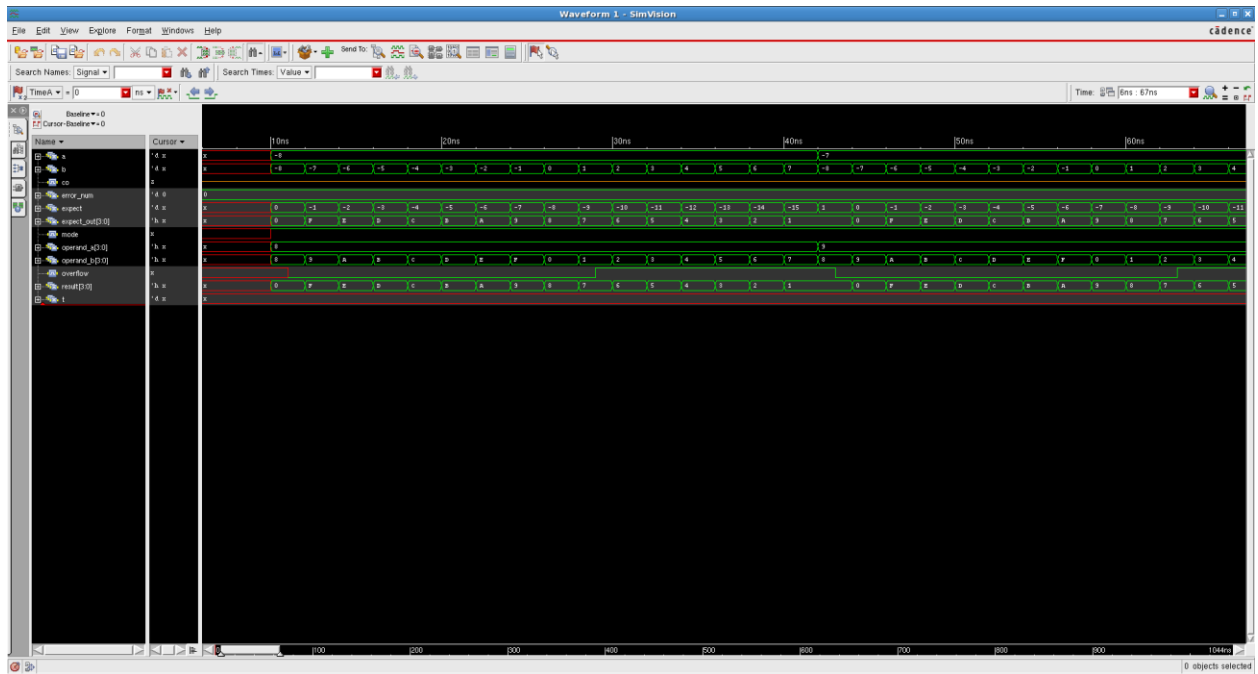


Exercise 2



The waveform above shows all possible input combinations (a, b, carry) and the correct output (sum).

Demonstrating part of the sweep that covers all input combinations.



6 - 7: (demonstrating negative result)



The screenshot shows the Cadence Waveform 1 - SimVision application. The top menu bar includes File, Edit, View, Explore, Format, Windows, and Help. Below it is a toolbar with various icons for file operations and simulation control. Search fields are present for "Signal" and "Value".

On the left side, there is a variable declaration pane titled "BusView" and "Cursor BusView = S25m". It lists several variables:

- `a`: 0
- `b`: 1
- `c`: 0
- `enr_run`: 0
- `expect`: 1
- `expect_load[0]`: 1
- `mode`: 0
- `operand_0[0]`: 1
- `operand_0[1]`: 0
- `operand_0[2]`: 0
- `result[0]`: 0
- `t`: 0

The main window displays a digital waveform plot. The horizontal axis represents time in nanoseconds (ns), ranging from 0 to 1040 ns. The vertical axis represents multiple signals. A red vertical cursor is positioned at 525 ns. A yellow tooltip box is visible, containing the text:

```
waves: main hulladder w3 (/Avares.din)
Probed to databases: waves: from 'Waves'
```