

ΣΧΕΔΙΑΣΗ ΨΗΦΙΑΚΩΝ ΣΥΣΤΗΜΑΤΩΝ(2021)

Ομάδα:DSD105

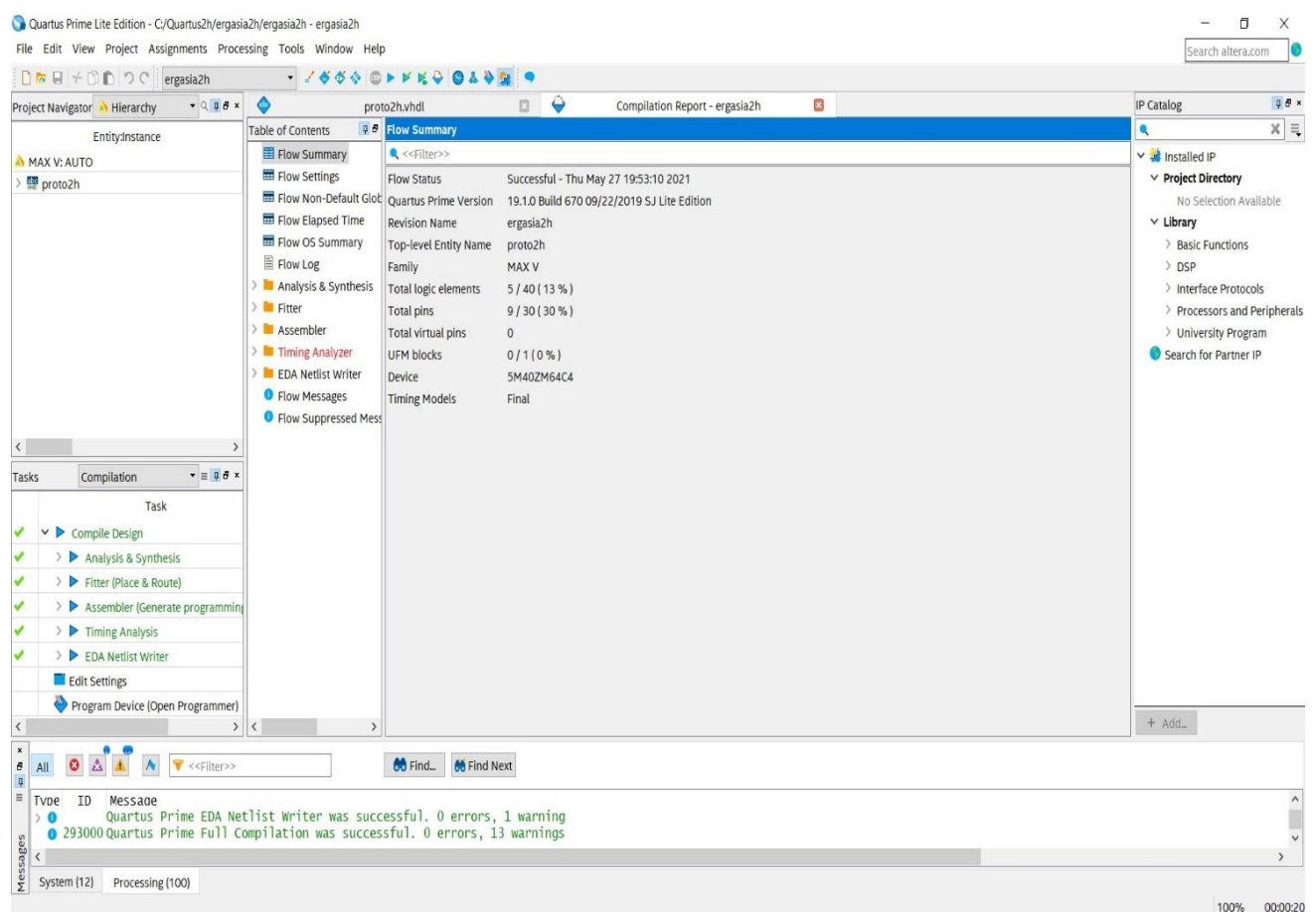
Μέλη:

Δημήτριος Ρουσάλης(p3200166@aub.gr)

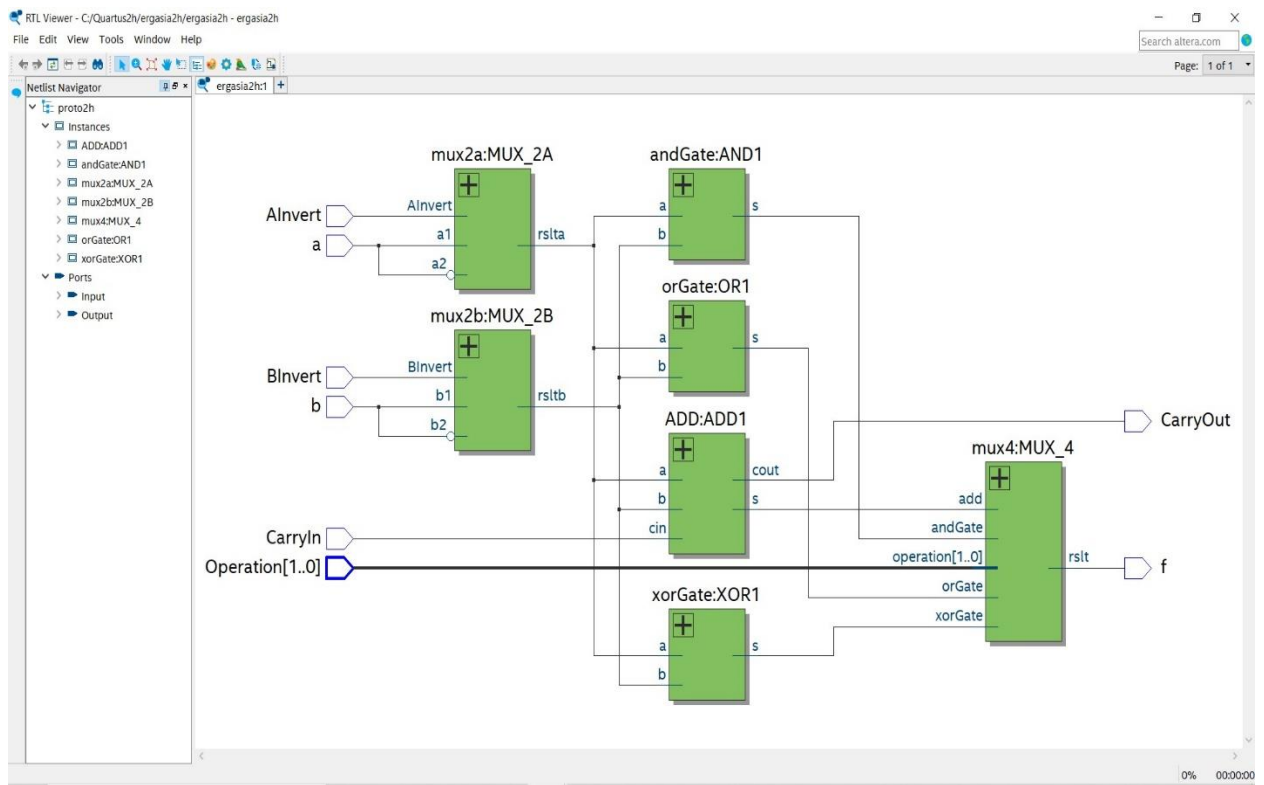
Τσίντζος Ιωαννης(p3200211@aub.gr)

ΜΕΡΟΣ 1^ο

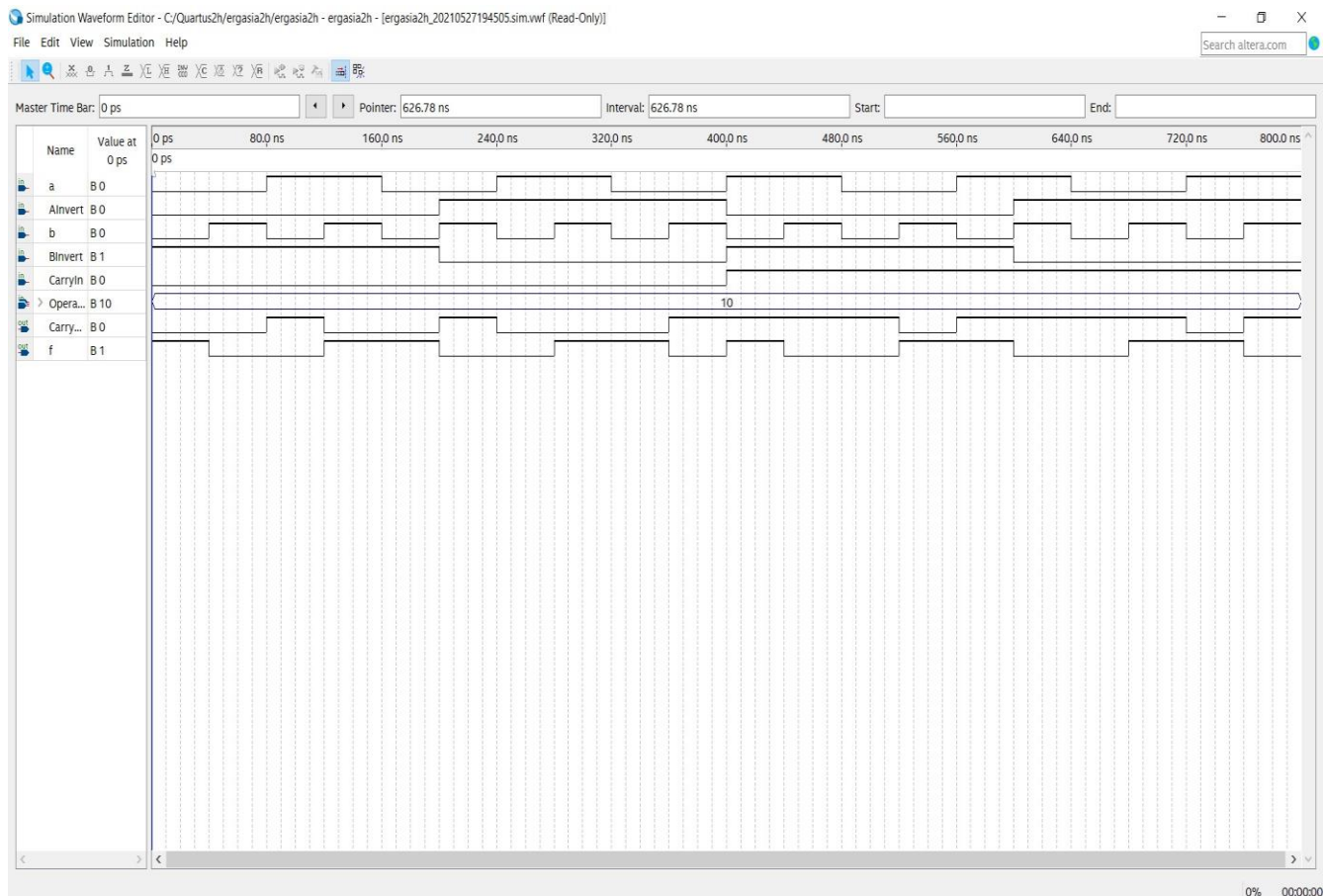
- Compilation του vhdl κωδικα:



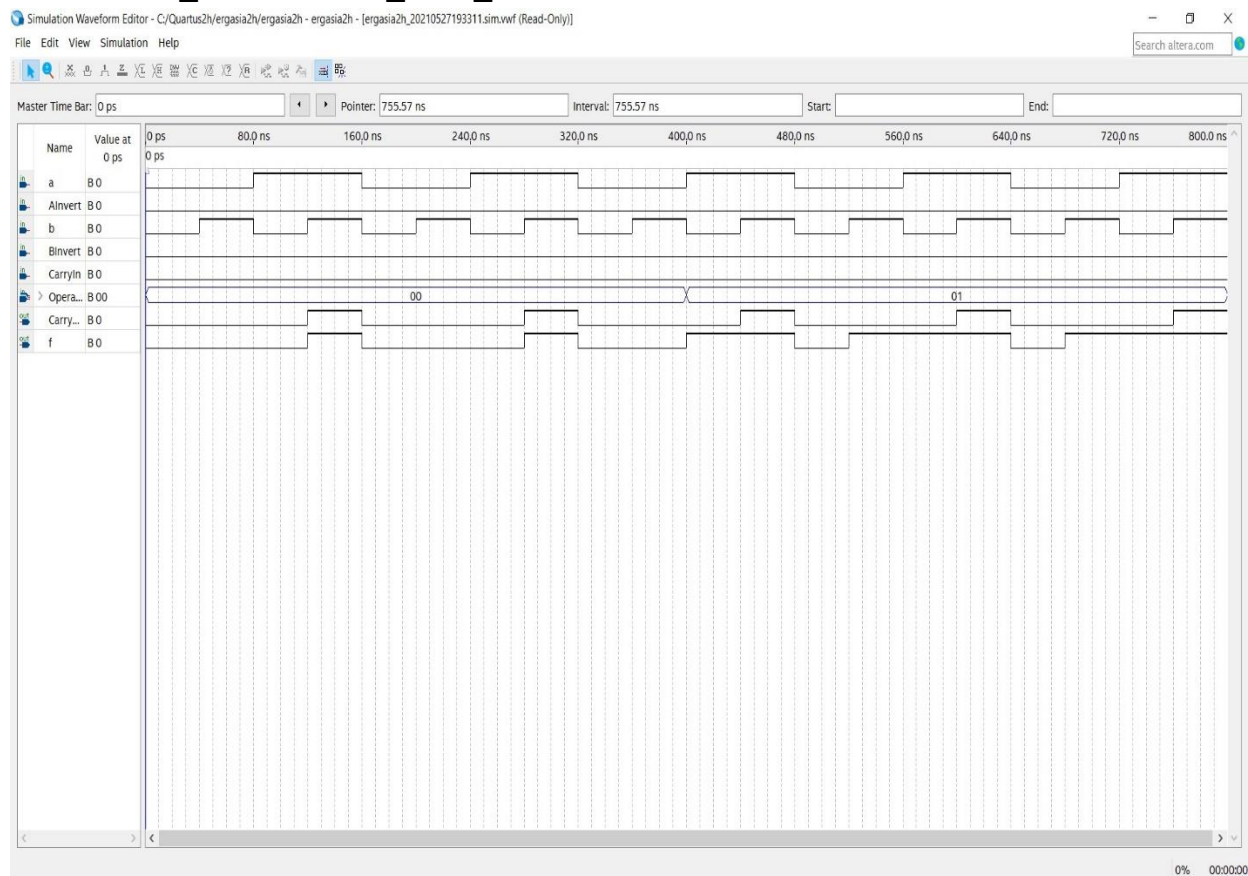
- Screenshot tou RTL diagram:



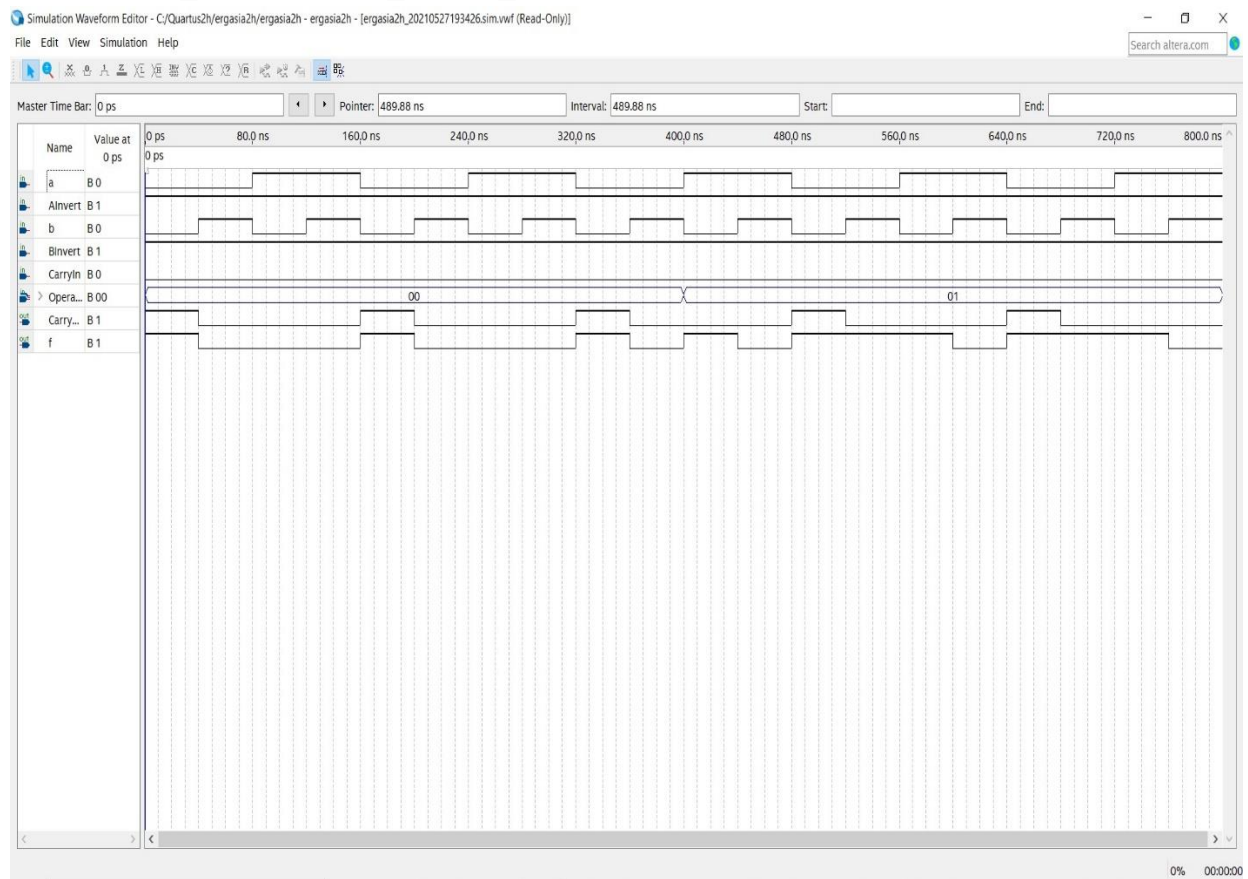
- Screenshot_WAVEFORM_ADD_SUB



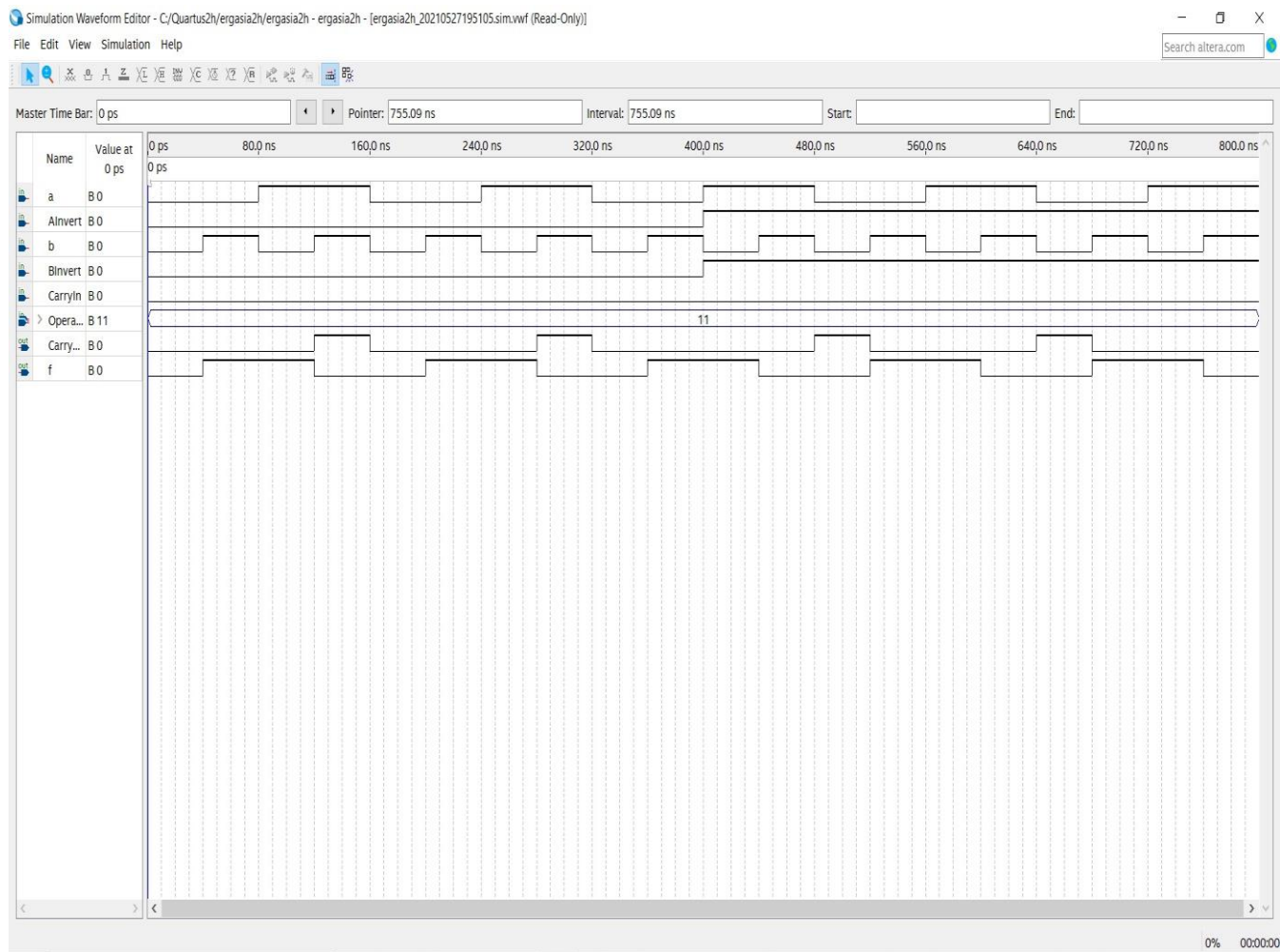
- Screenshot_WAVEFORM_AND_OR



- Screenshot_WAVEFORM_NAND_NOR



- Screenshot_WAVEFORM_XOR_XNOR



ΜΕΡΟΣ 2^ο

- Compilation του vhdI κωδικα:

The screenshot displays the Quartus Prime Lite Edition interface during the compilation of a VHDL project. The main window shows the 'Flow Summary' tab, which provides a detailed overview of the compilation process.

Flow Summary Details:

Category	Value
Flow Status	Successful - Sat May 29 16:51:13 2021
Quartus Prime Version	19.1.0 Build 670 09/22/2019 S.J. Lite Edition
Revision Name	ergasia2h_Part2
Top-level Entity Name	ergasia2h_Part2
Family	MAX V
Total logic elements	102 / 160 (64 %)
Total pins	52 / 79 (66 %)
Total virtual pins	0
UFM blocks	0 / 1 (0 %)
Device	5M160ZT100C4
Timing Models	Final

The 'Tasks' pane on the left shows the compilation steps, all of which are completed with green checkmarks:

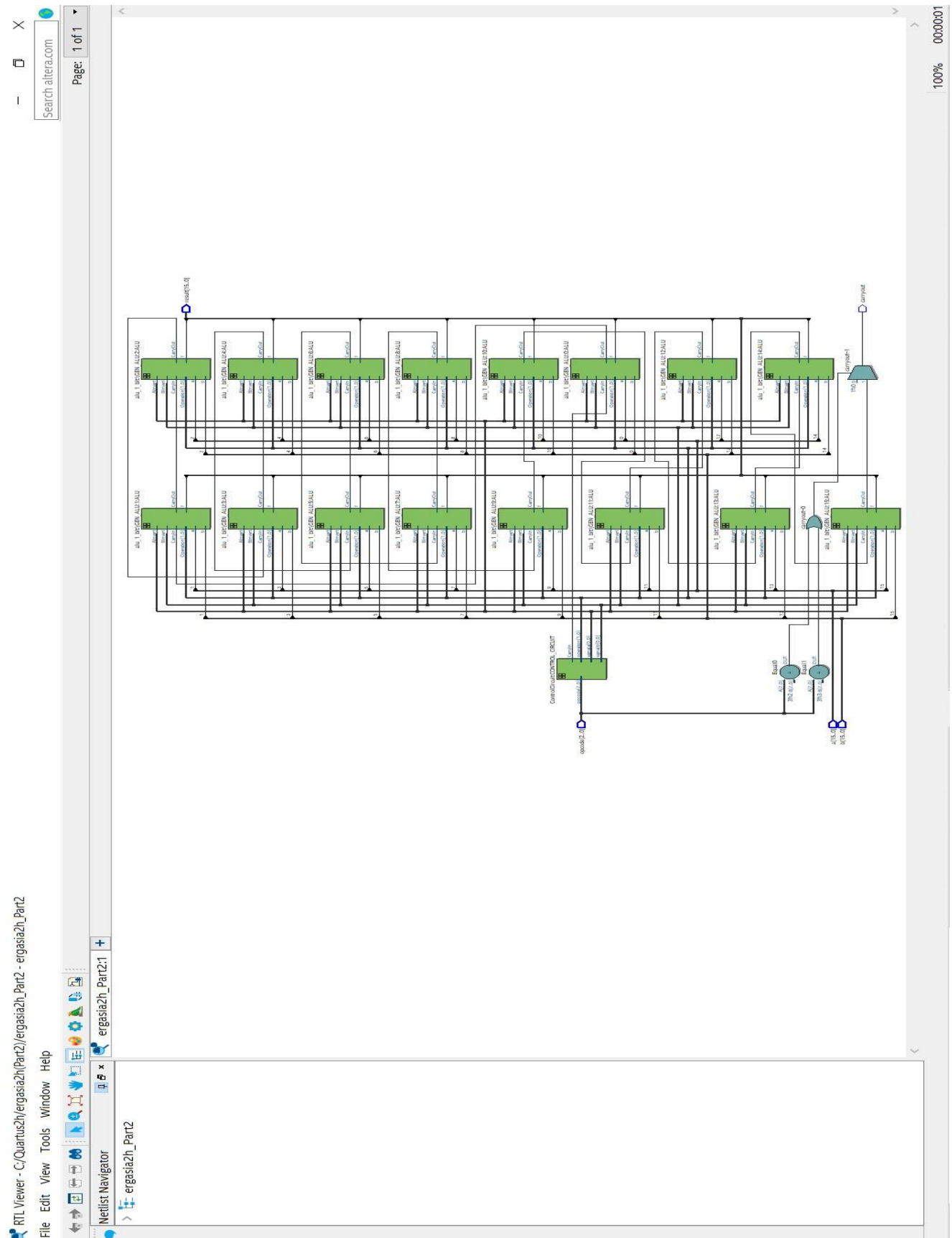
- Compile Design
- Analysis & Synthesis
- Fitter (Place & Route)
- Assembler (Generate programming)
- Timing Analysis
- EDA Netlist Writer
- Edit Settings
- Program Device (Open Programmer)

The 'Messages' pane at the bottom displays the following messages:

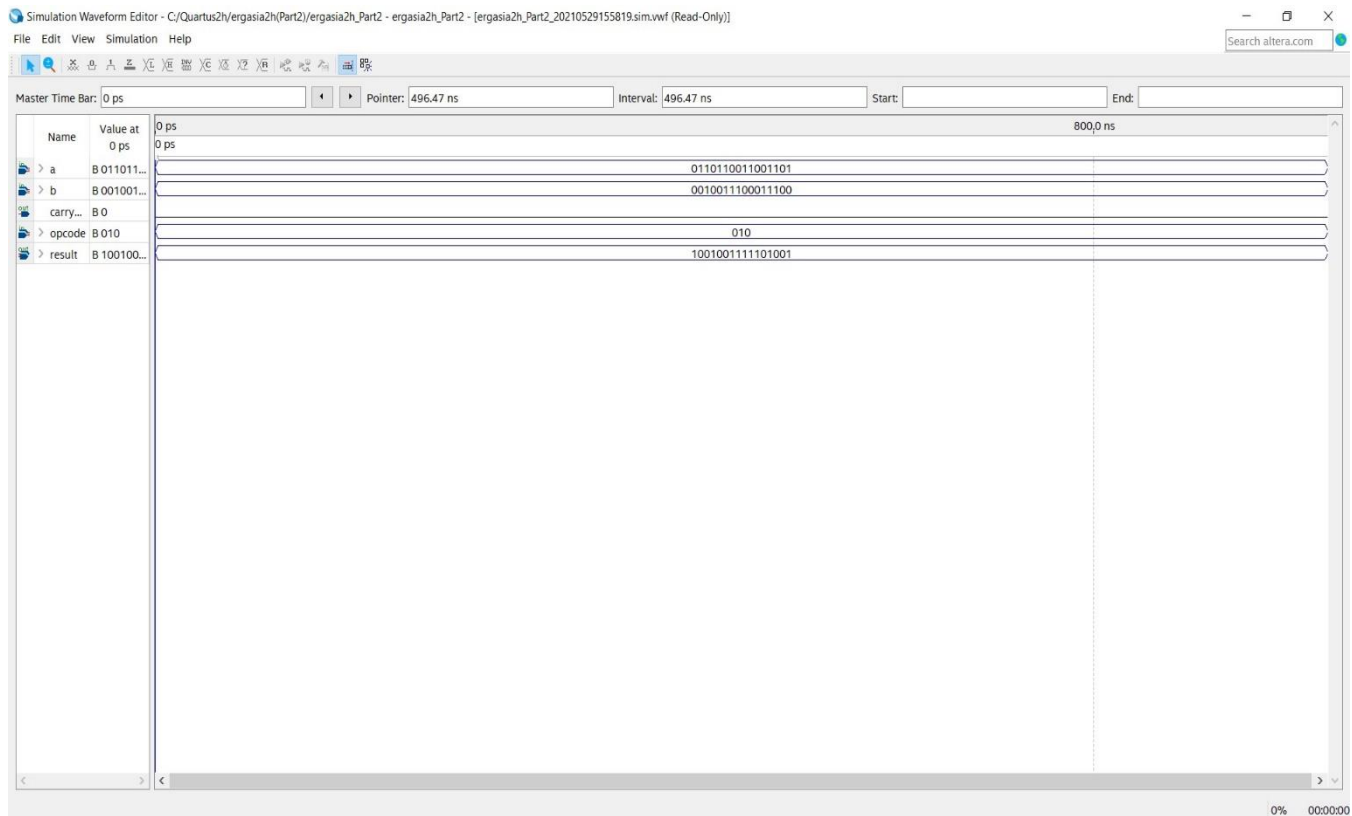
```
Type ID Message
> [i] Quartus Prime EDA Netlist Writer was successful. 0 errors, 1 warning
> [i] 293000 Quartus Prime Full Compilation was successful. 0 errors, 13 warnings
```

The status bar at the bottom indicates 'System (21)' and 'Processing (106)'.

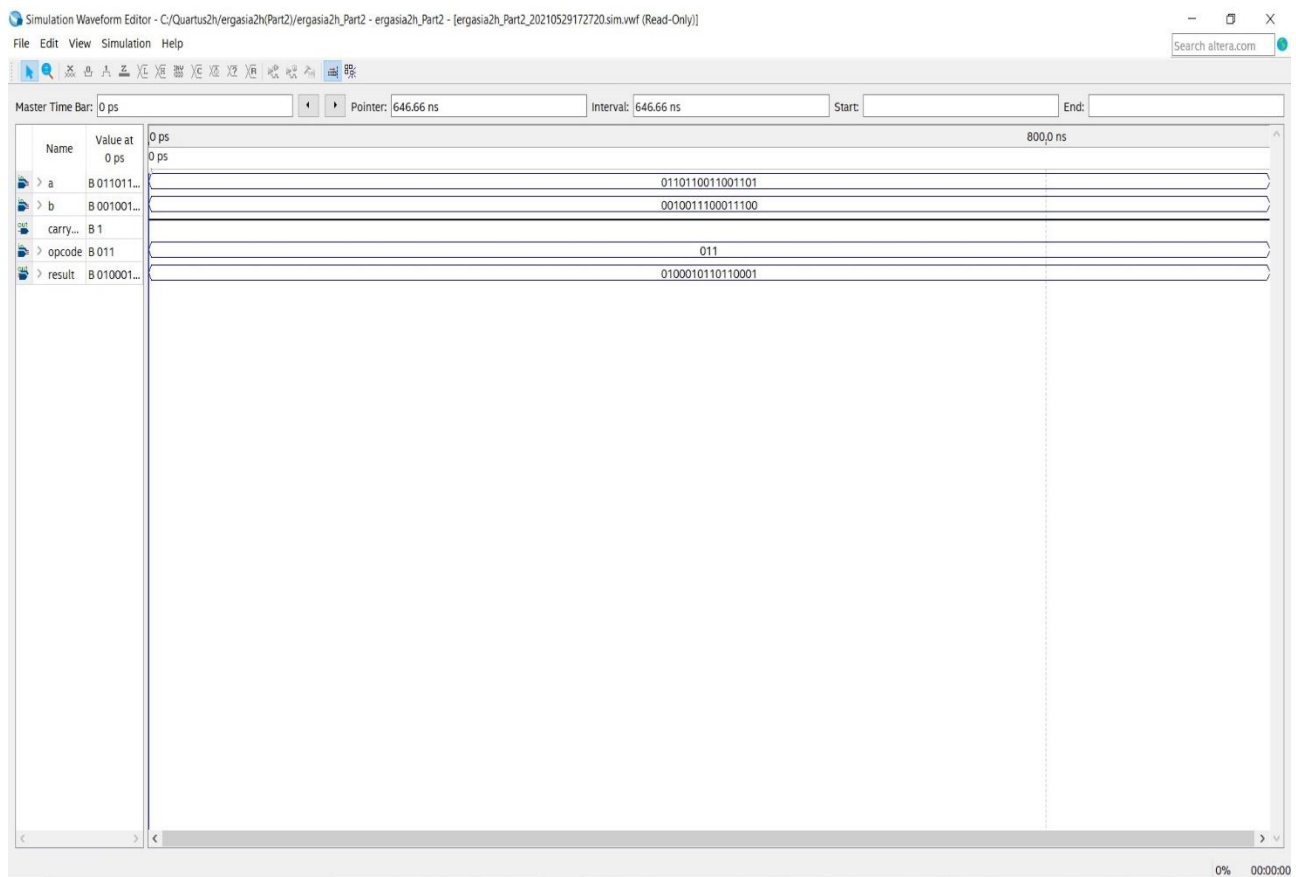
- Screenshot του RTL diagram: (λεπτομερέστερα φαίνεται στο αρχείο JPEG του φακέλου)



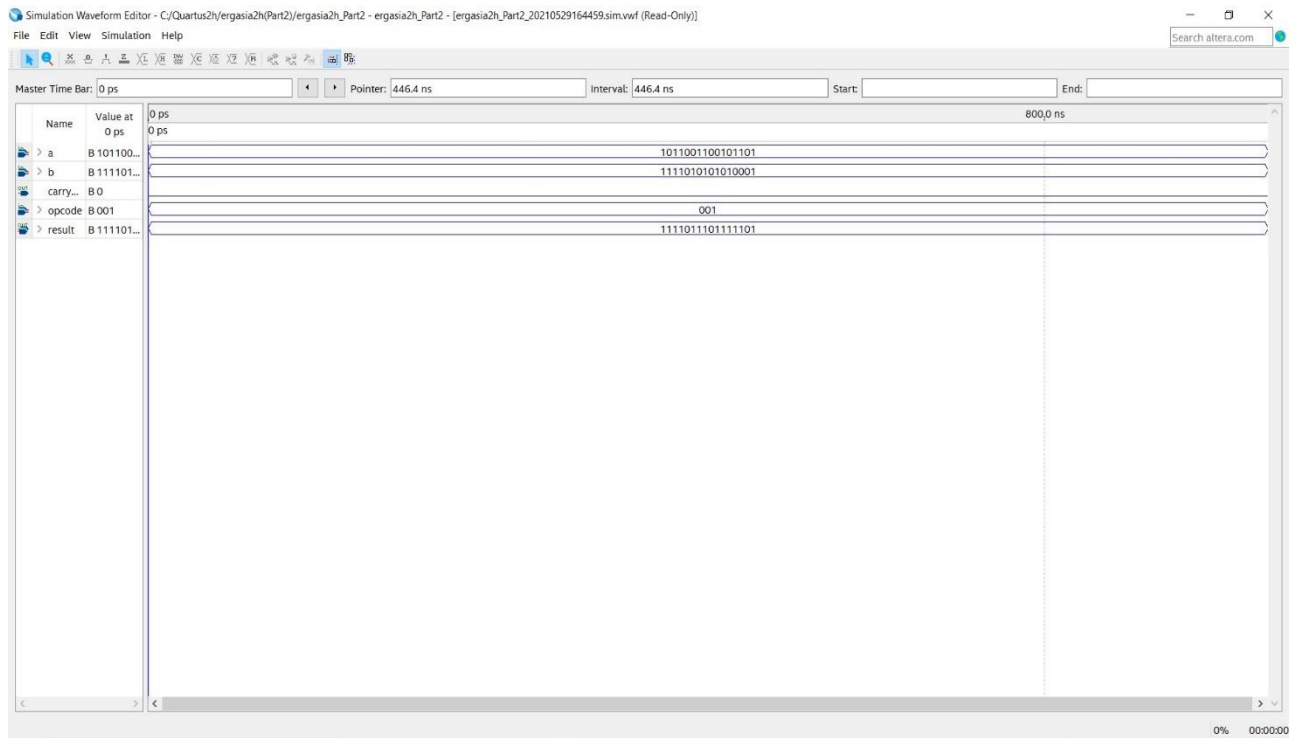
- Screenshot_ADD_Part2



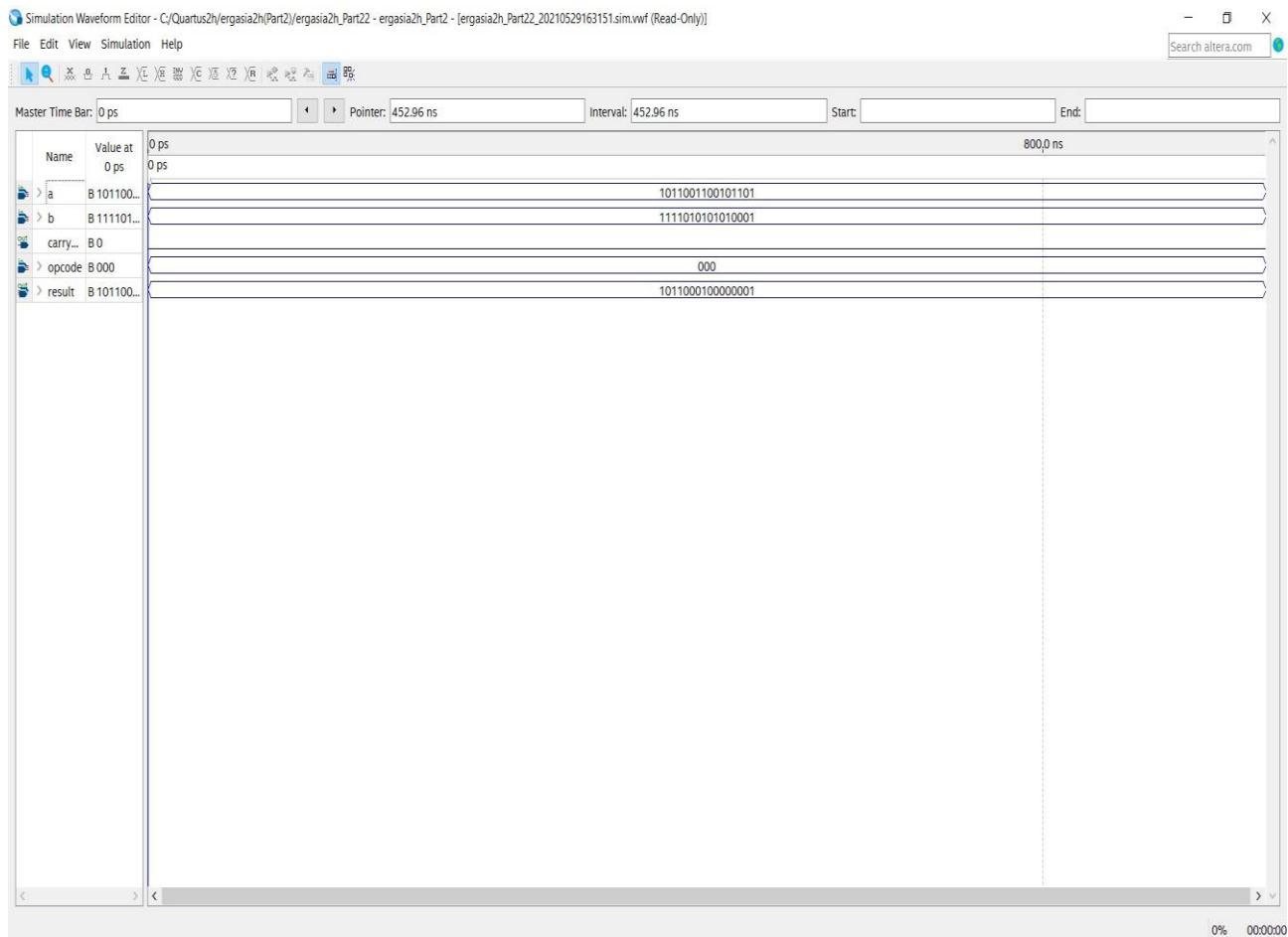
- Screenshot_SUB_Part2



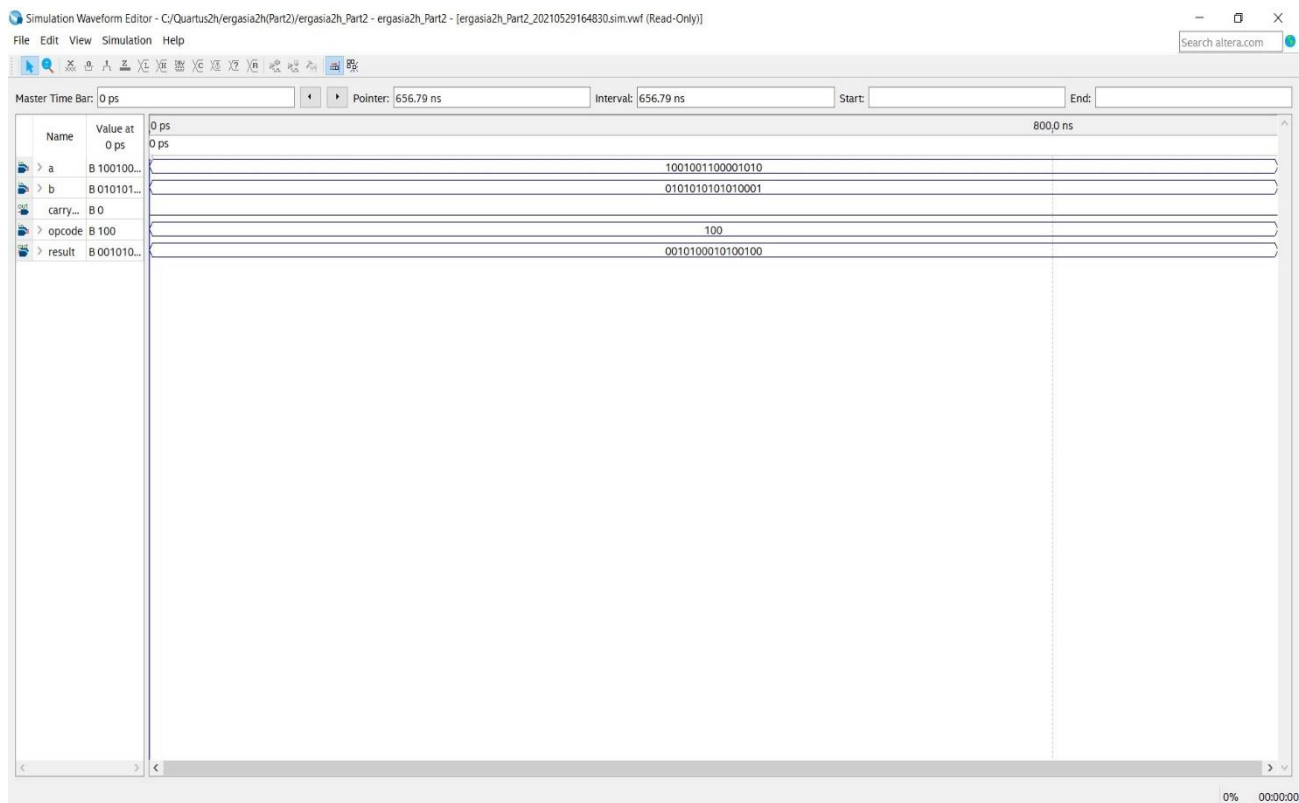
- Screenshot_OR_Part2



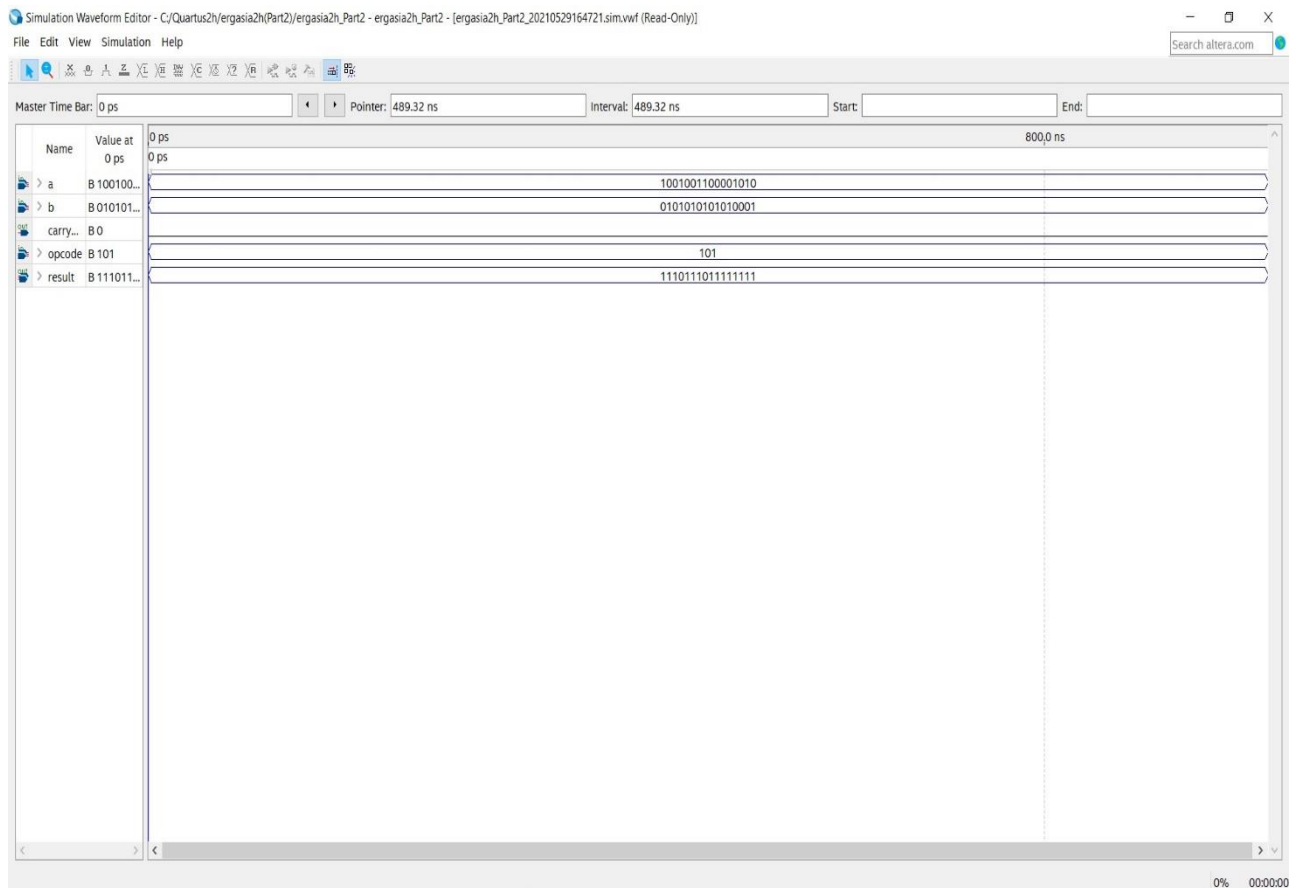
- Screenshot_AND_Part2



- Screenshot_NOR_Part2



- Screenshot_NAND_Part2



- Screenshot_XOR_Part2

