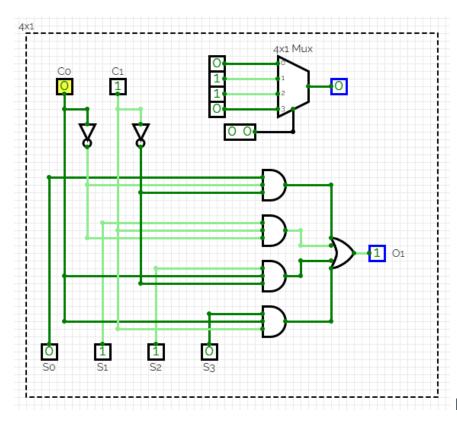
Assignment B-5 Exercise 3.2 Project 1 and 2

3.3.2 Multiplexer

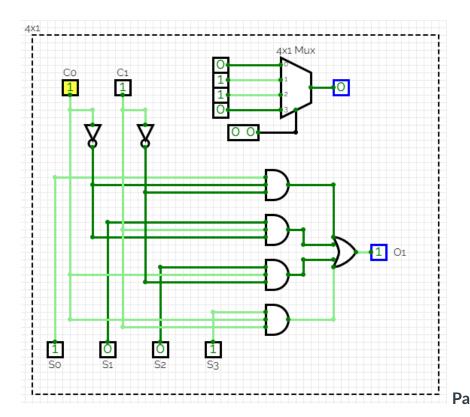
- Exercise 3-2:
- Project 1
 - 1) Draw the 4x1 multiplexer using the circuit simulator(Circuitverse, Digital)
 - 2) Show the truth tables and test results by using the simulation tool
- Project 2
 - 1) Draw 8x1 multiplexer by using your sub-circuit 2x1 mux
 - 4 2x1 Mux + 1 4x1 Mux
 - 2) Show the test results and truth table

2 tries with different combos to show that it works just like a multiplexer **Project 1**

1) Design Screenshot



Part 1



2) Testbench

Title:	4x1 T	4x1 Test pt.1				
Sequential Test			Combinational Test			
		INPU'	τs⊕	О∪ТР∪ТЅ ⊕		
La	abel	CO	C1	01		
Bitv	width	1	1	1		

Group 1

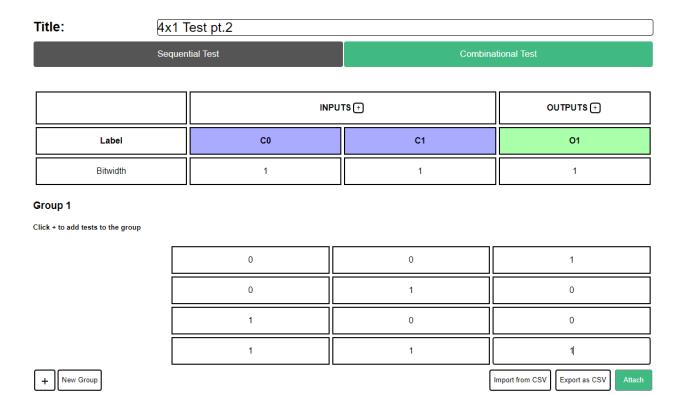
Click + to add tests to the group

0	0	0
0	1	1
1	0	1
1	1	0

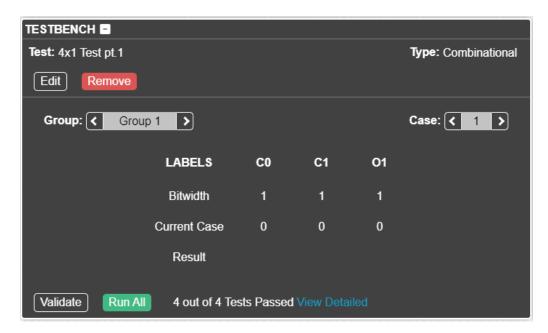
+ New Group

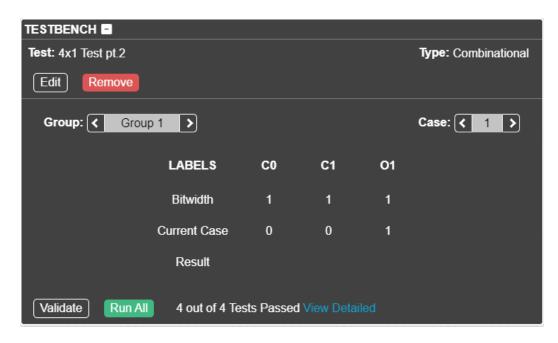
Import from CSV Export as CSV

Attach



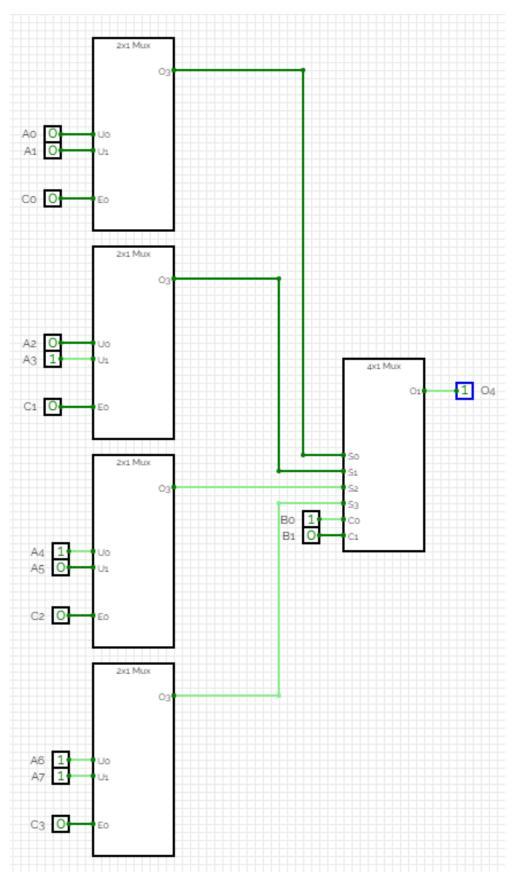
3) Test Result



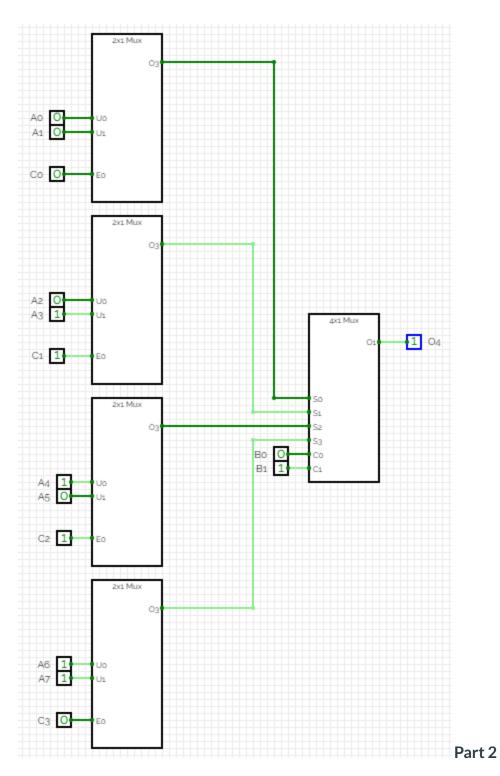


Project 2

1) Design Screenshot



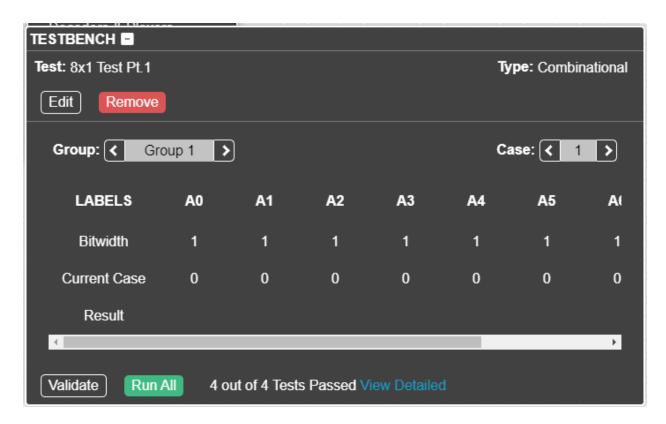
Part 1

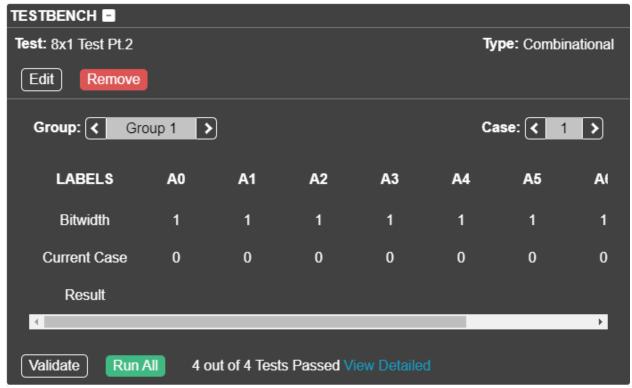


2) Testbench



3) Test Result





Extra:

