Here are the steps needed to create a PASSED grade:

1) Upload truth_table2.csv from the test_files folder under where it says Choose File in the right box:

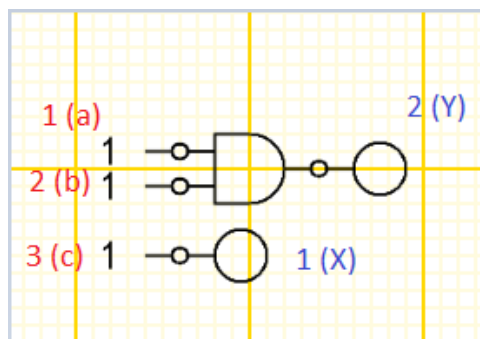truth_table2   5/19/2021 10:30 AM   CSV File   1 KB

2) It should then look like this after being uploaded:

Upload truth table to check against:

Choose File | No file chosen

a	b	c	X	Y
0	0	0	0	0
0	0	1	1	0
0	1	0	0	0
0	1	1	1	0
1	0	0	0	0
1	0	1	1	0
1	1	0	0	1
1	1	1	1	1

Check

3) Create a circuit that matches as follows. As explained, right now whatever input is placed first will be 'a', then 'b', etc... So have the first input you place match where the red 1 is, 2nd where the red 2 is, third where the red c is. For the outputs make sure the first one you place matches where the blue 1 is, and the 2nd matches where the blue 2 is.

4) From there, simply hit the Check Button, and a PASSED grade should show up:

Upload truth table to check against:

Choose File | No file chosen

a	b	c	X	Y
0	0	0	0	0
0	0	1	1	0
0	1	0	0	0
0	1	1	1	0
1	0	0	0	0
1	0	1	1	0
1	1	0	0	1
1	1	1	1	1

Check

PASSED

As you can see, a majority of the work that needs to be done is just abstracting what is already in place and making it more user friendly. The bulk of the work in terms of comparing a circuit to a truth table should all be working, and can be found in grader.js. The code is fairly confusing as the process is pretty complicated, so feel free to reach out with any questions. Again, my email is atalham@udel.edu.