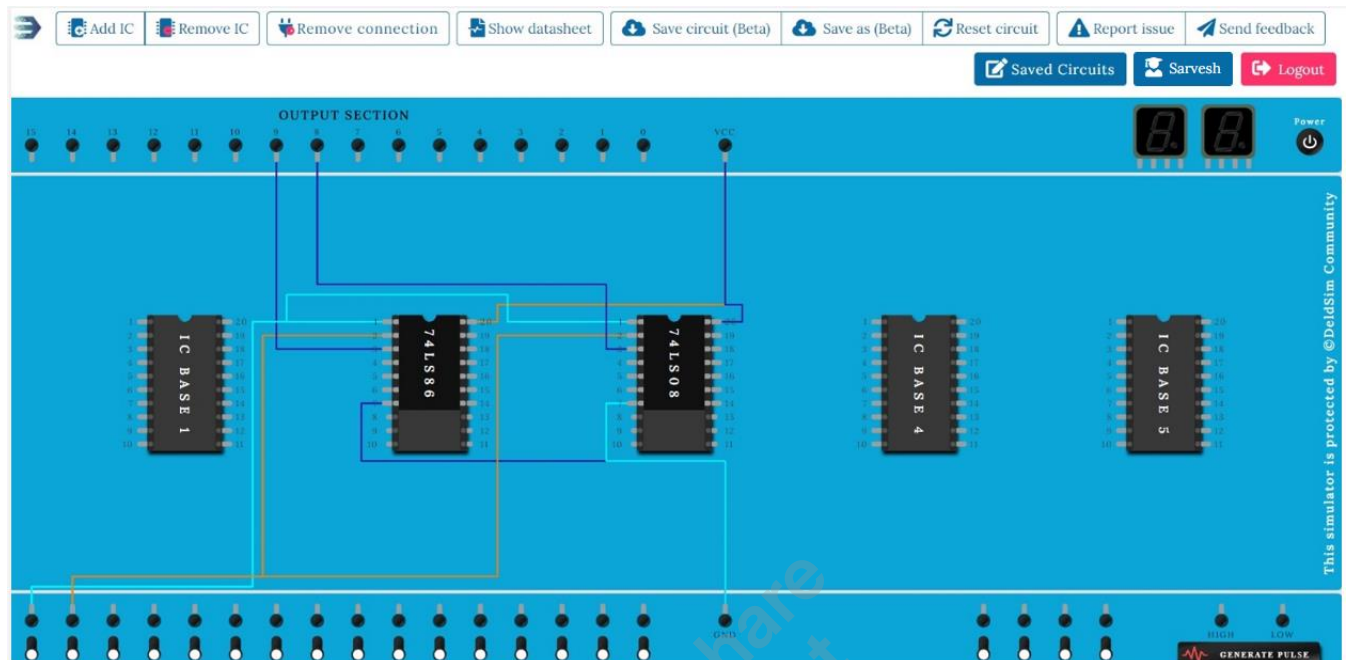
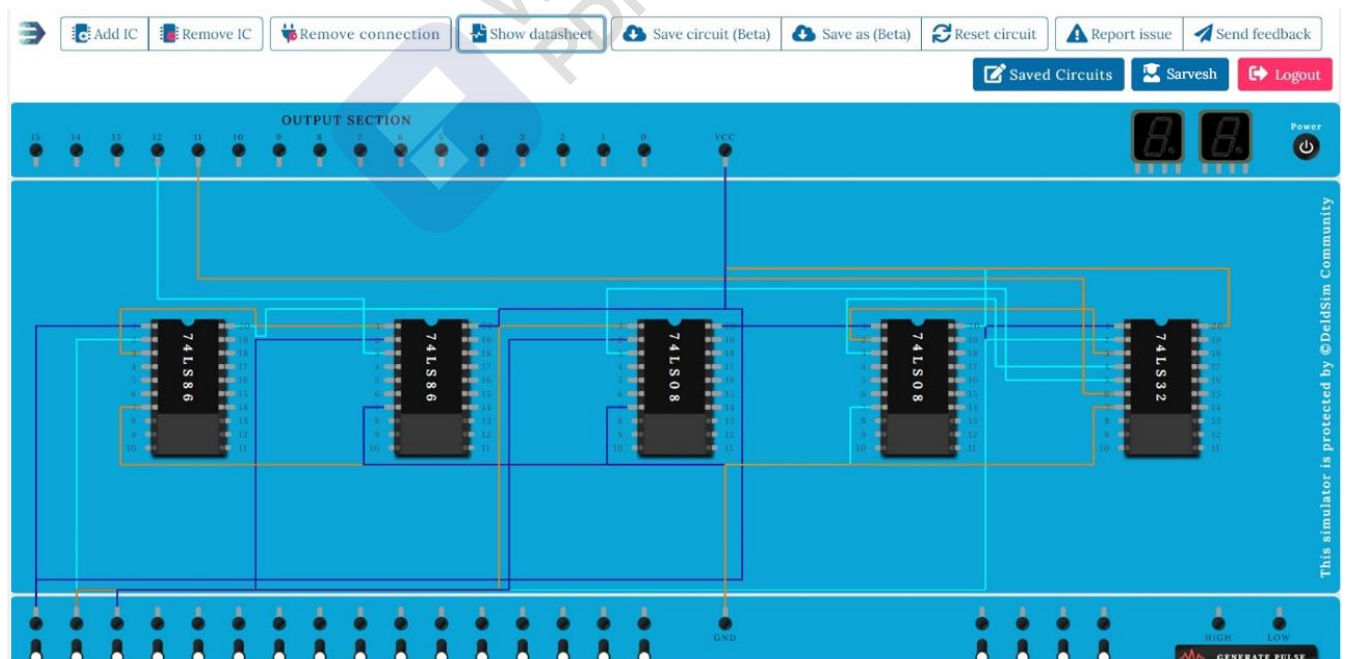


PRACTICAL 1

HALF ADDER

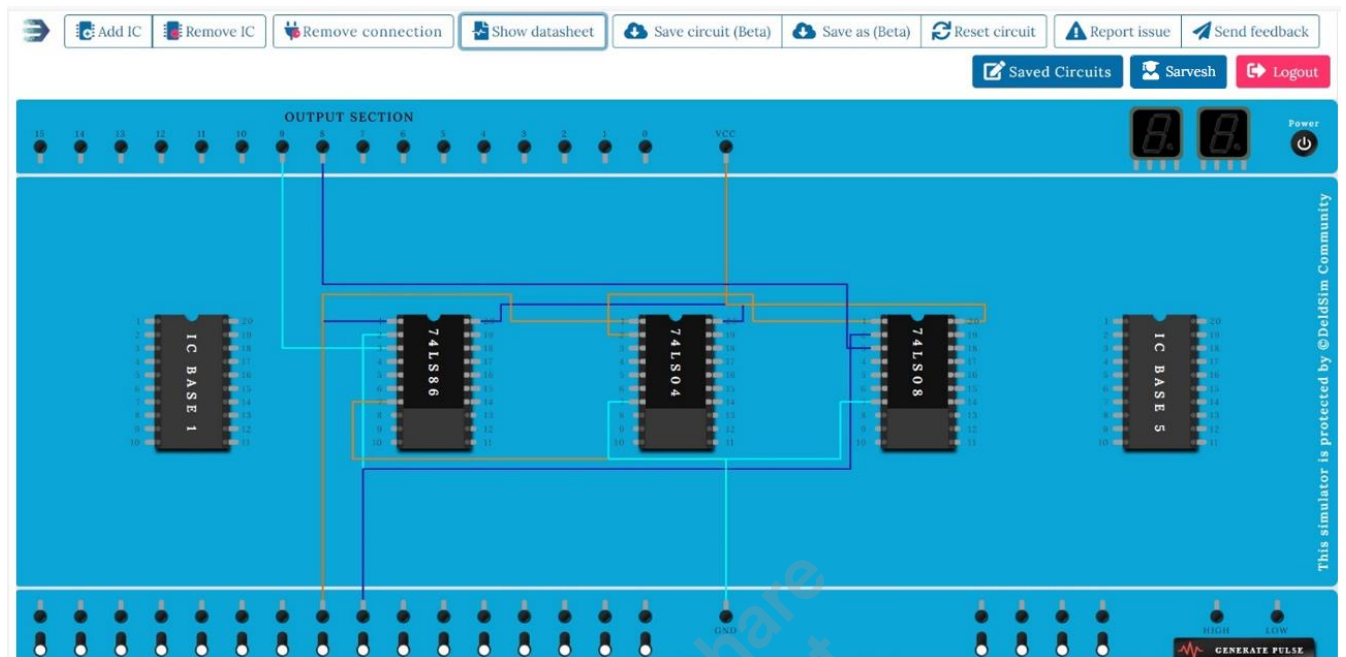


FULL ADDER

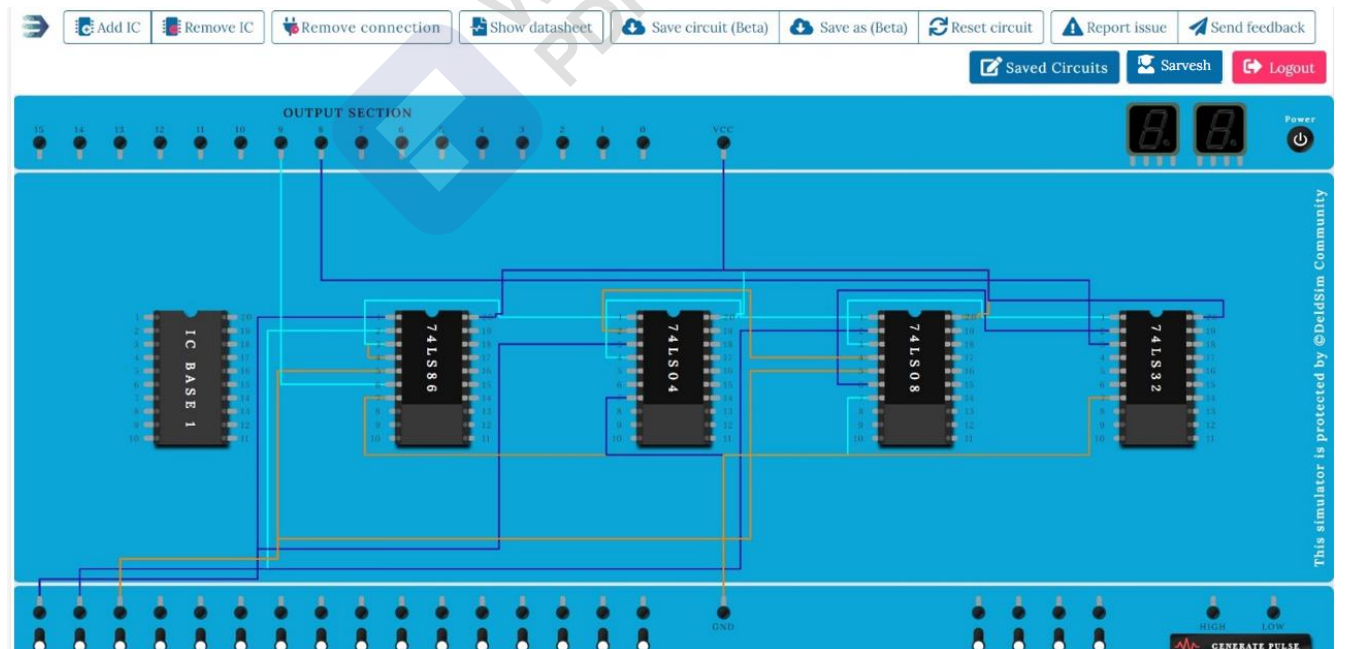


PRACTICAL 2

HALF SUBTRACTOR:

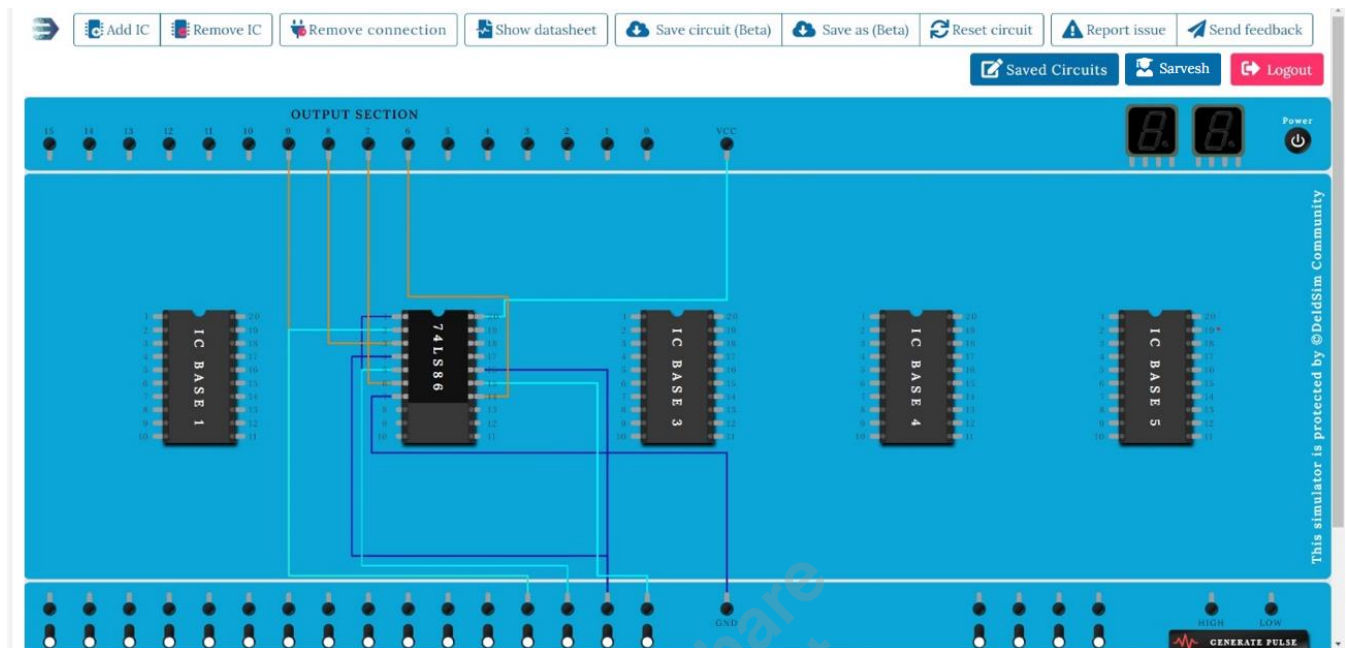


FULL SUBTRACTOR:

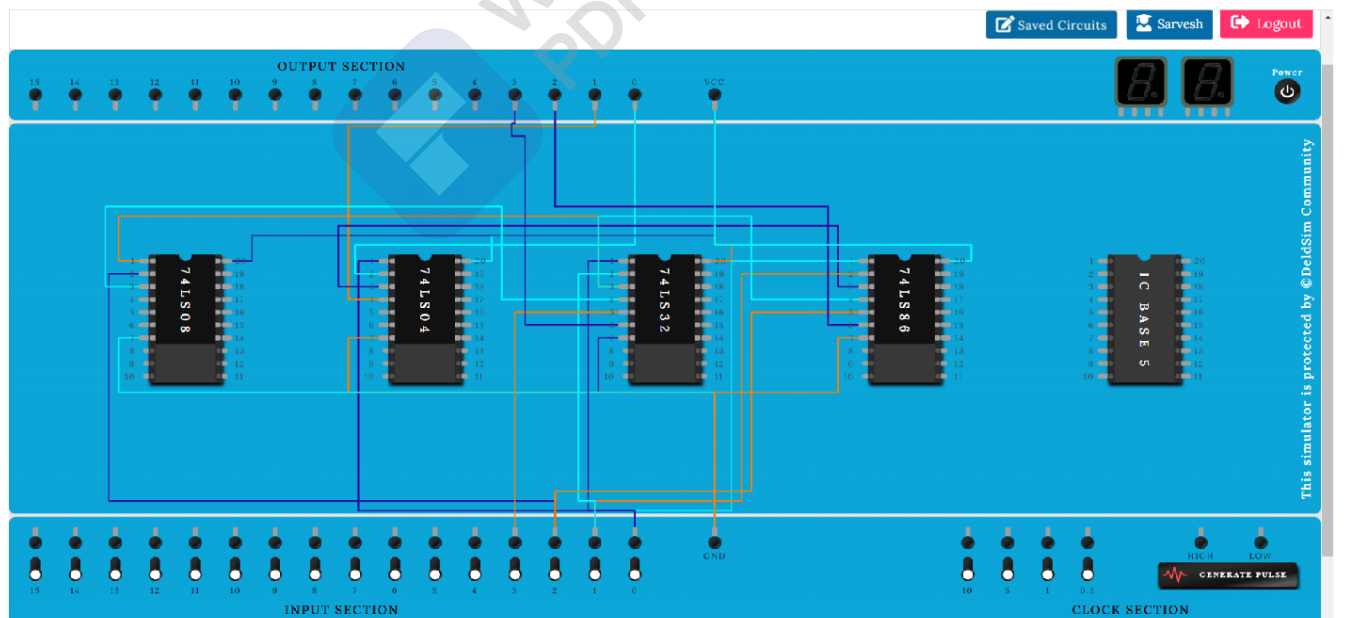


PRACTICAL 3

BCD TO GRAY CODE:

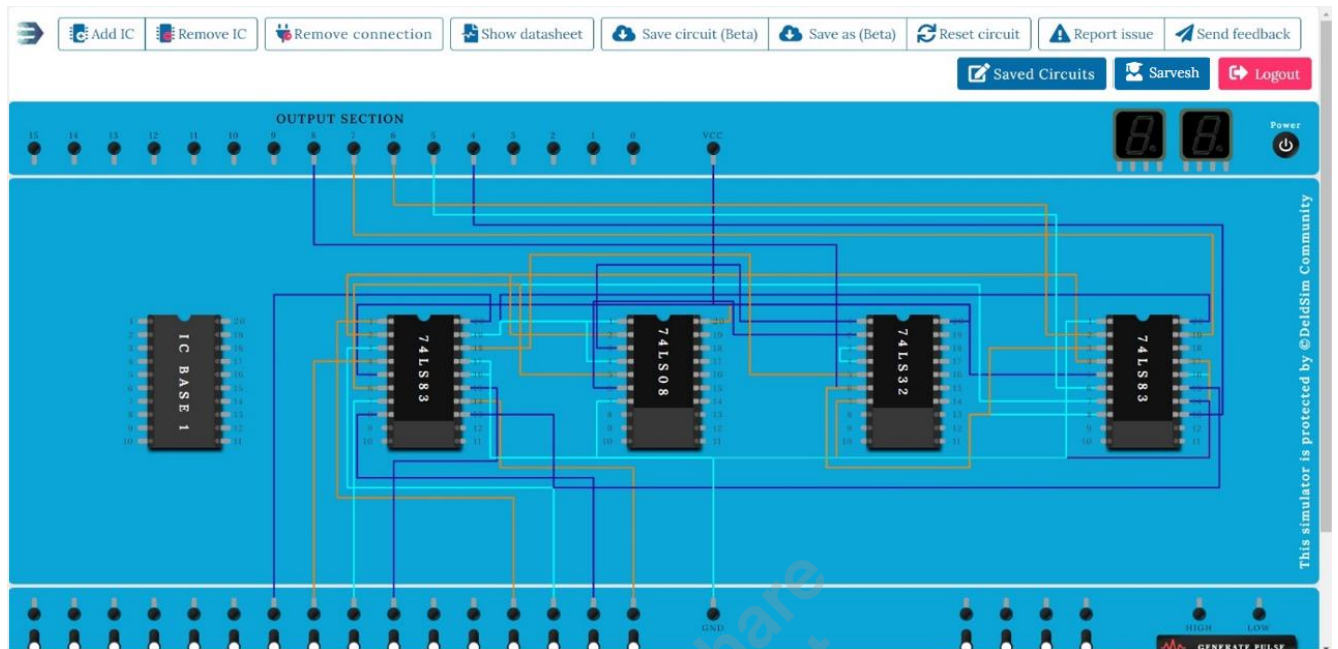


BCD TO EXCESS 3 CODE:



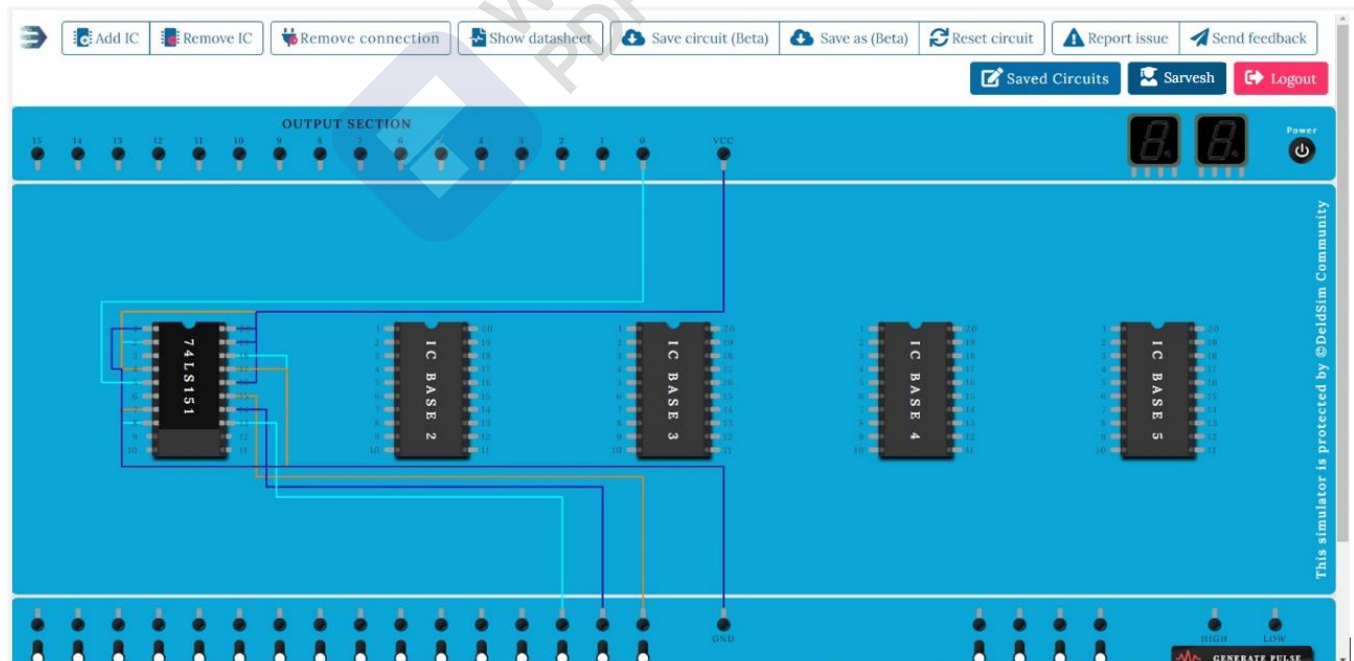
PRACTICAL 4

BCD ADDER:

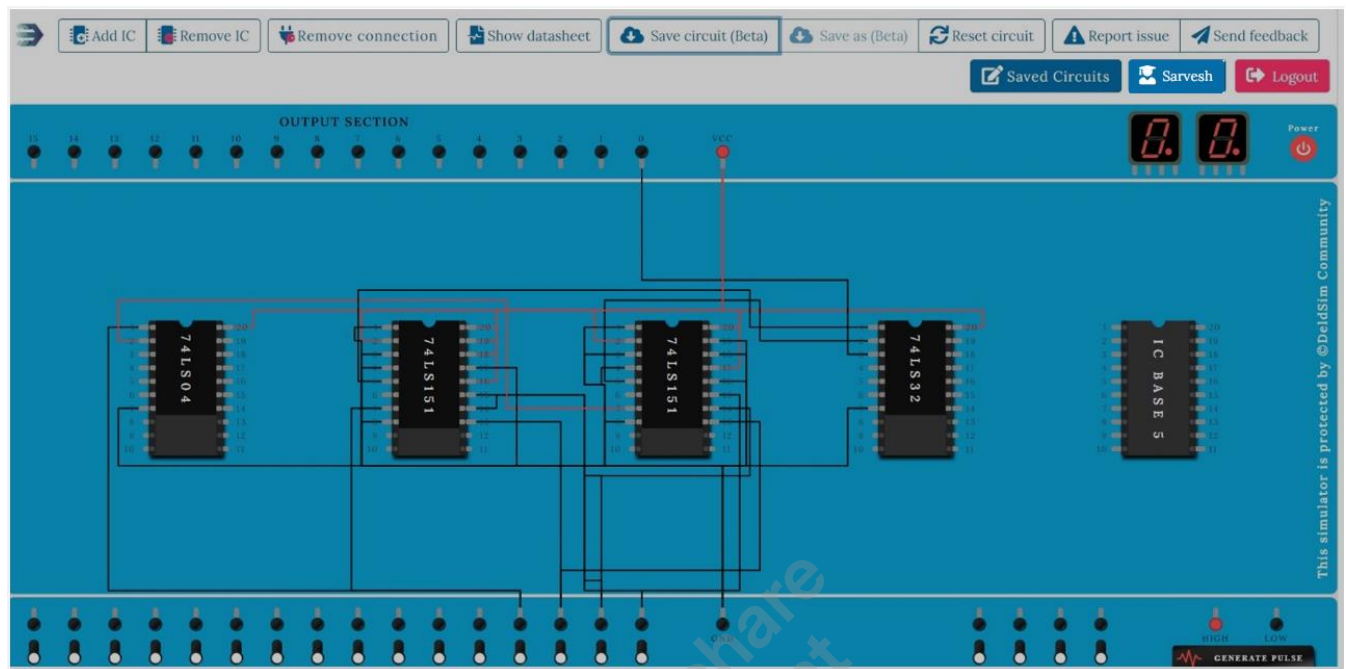


PRACTICAL 5

MUX:

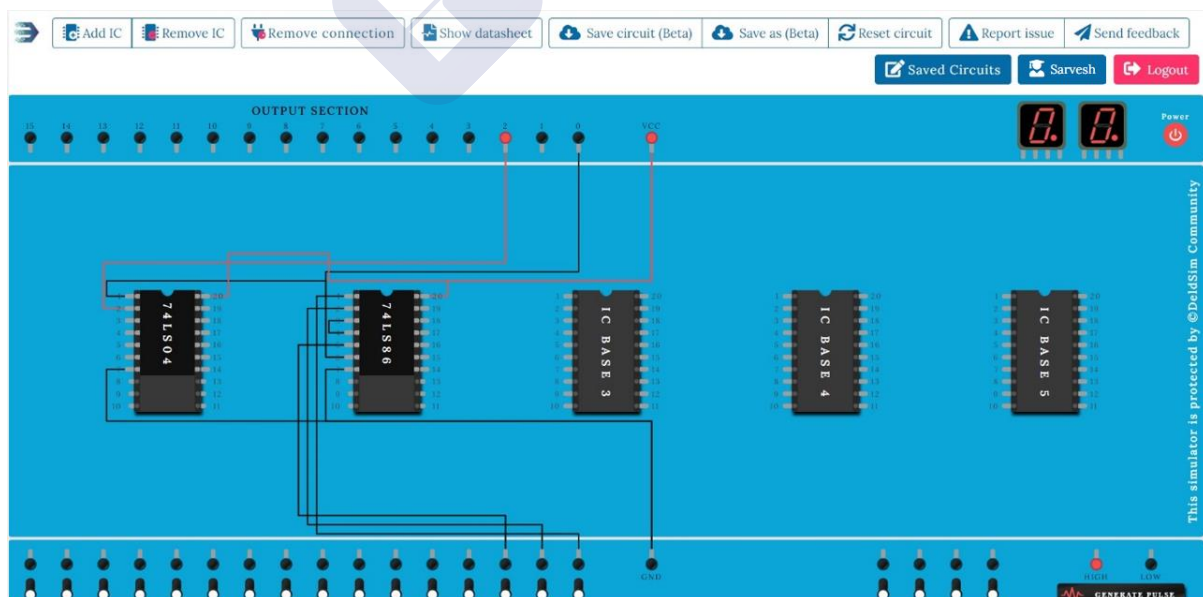


16:1 BY 8:1



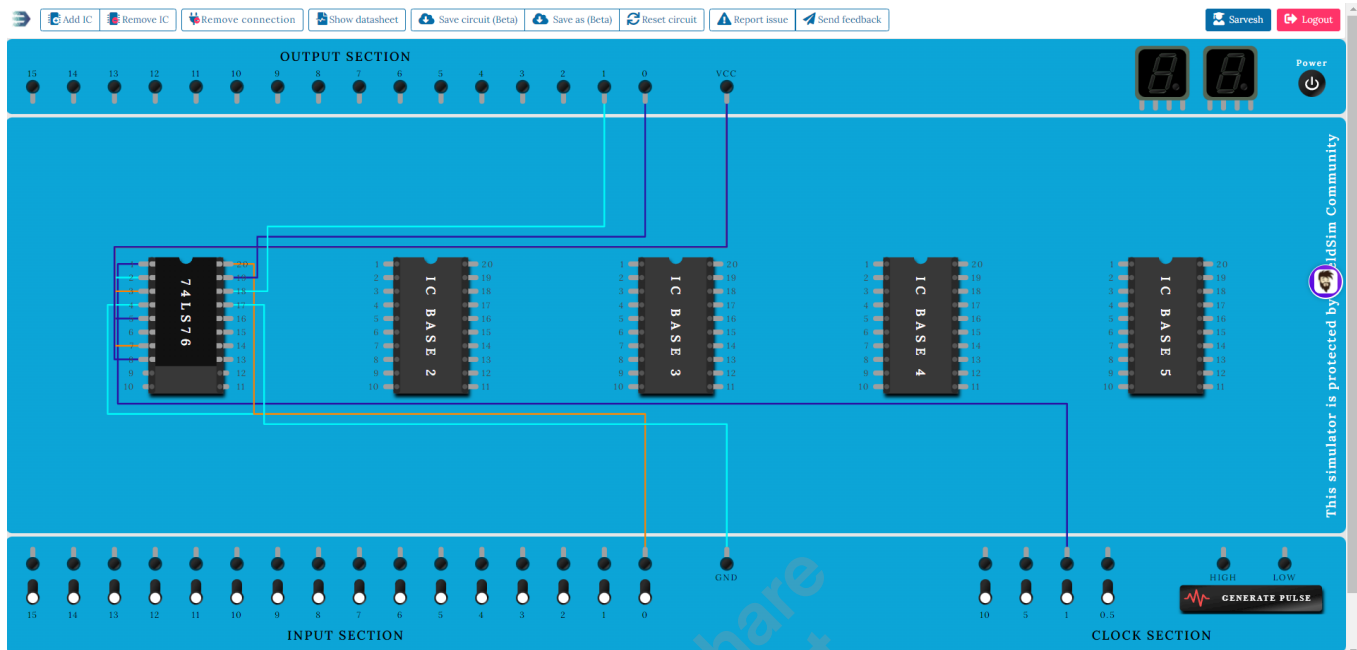
PRACTICAL 6

PARITY GENERATOR:

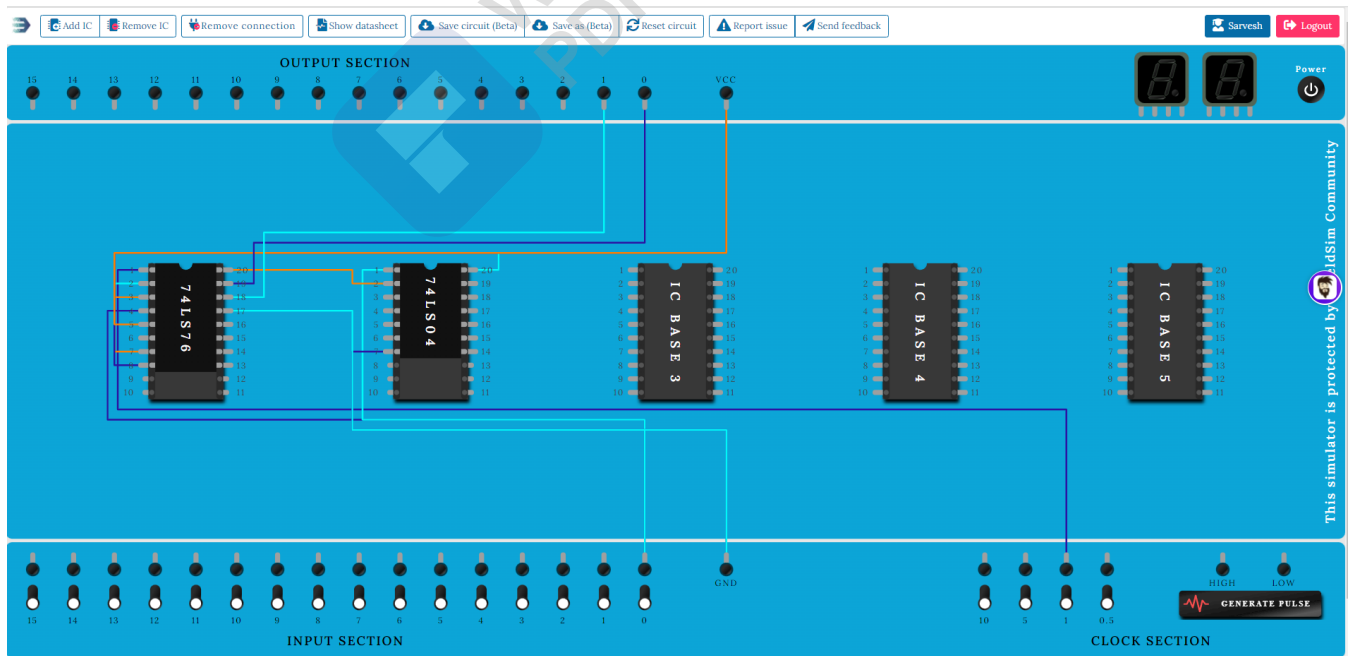


PRACTICAL 7

JK TO T FLIP FLOP :

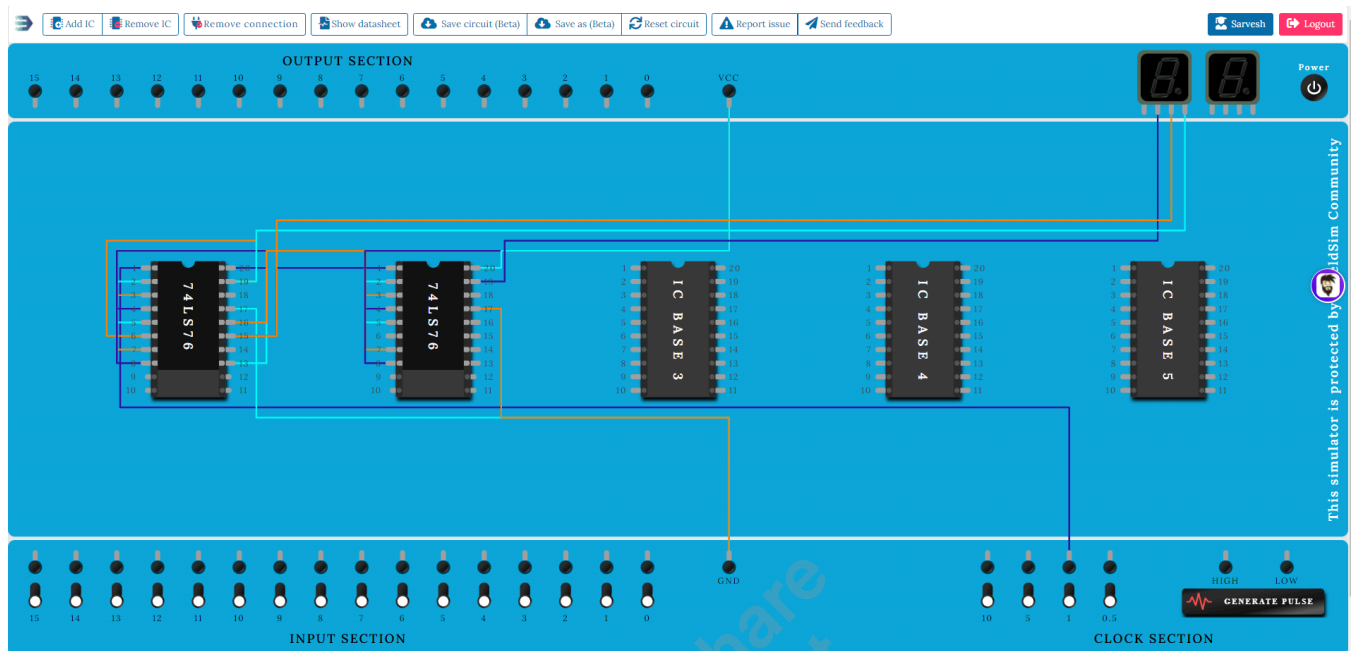


JK TO D FLIP FLOP:

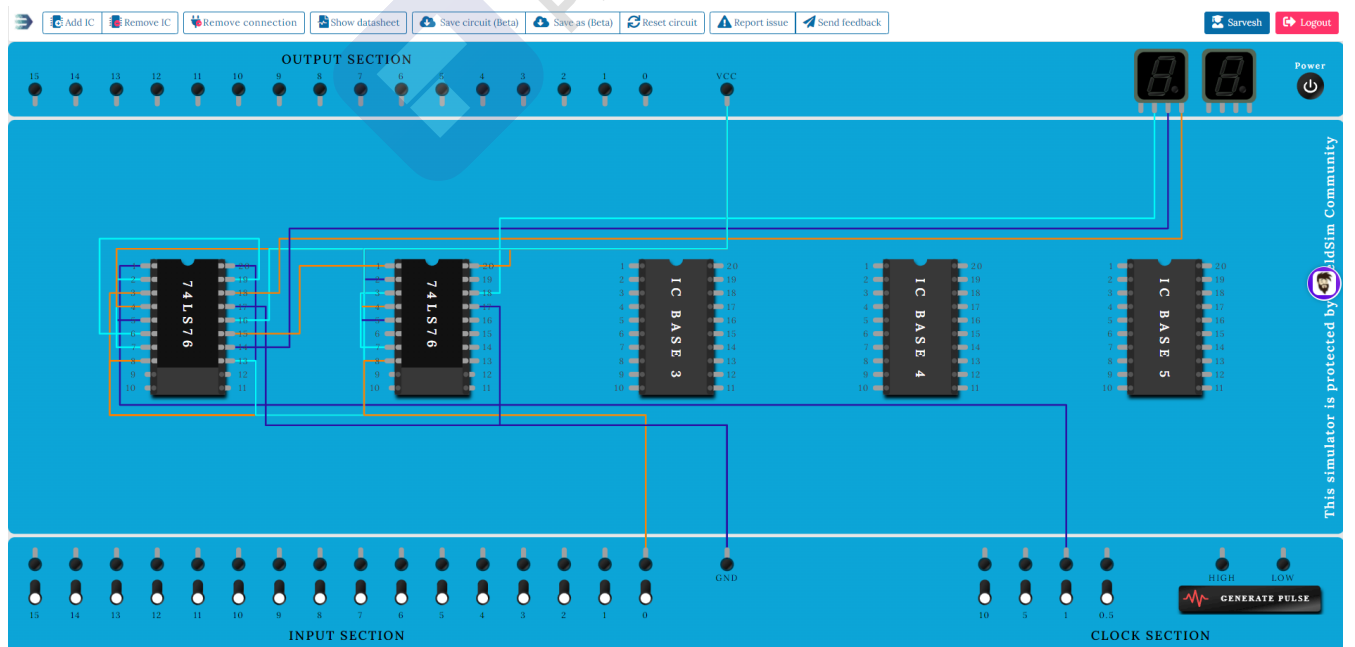


PRACTICAL 8

3 BIT UP COUNTER:



3 BIT DOWN COUNTER:



PRACTICAL 9

MOD 10 COUNTER:

