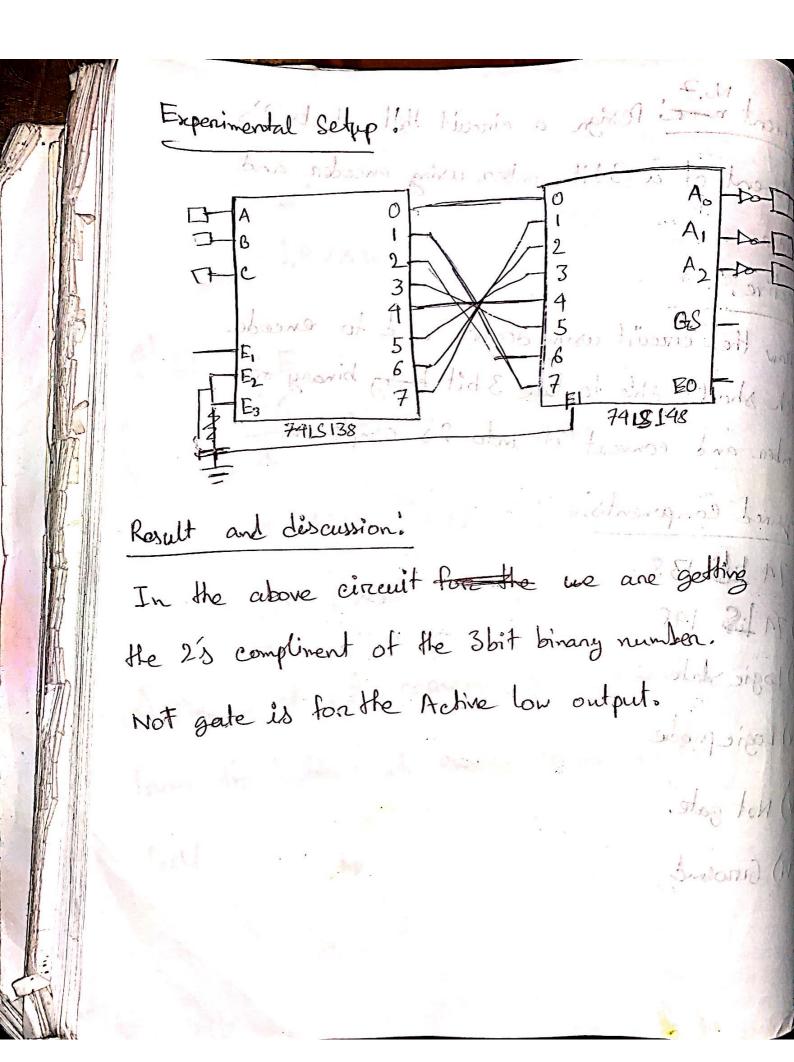
Experiment name Design a circuit that outputs 2's compliment of a 3 bit number using encoder and decoder. Objective: i) Doraw the circuit using decoder and to encode which should able to take 3 bit briang binary more number and convert it into 2's complement. Required components. inothernal for Horal In the above circuit forether we i) 74 15 138 ii) 74 LS 148 the 25 car placed of the Bbit himan iii) Logic state iv) Logic prode Hot gale is fouth Active low V) Not gate. vi) Ground



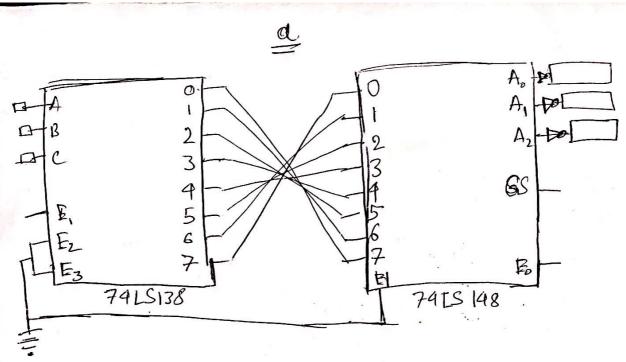


Fig. Decoder Encoder of the 1's complement of a 3 bit numbers output



and

Yes, it is possible to implement a code converter with encoder and & decoder. We can design a BCD to excess -3 code converder using AXIB decoders and 16X9 encoders. Here we take (0-9) and get the (+3) excess -3 numbers as output Irean the converter.