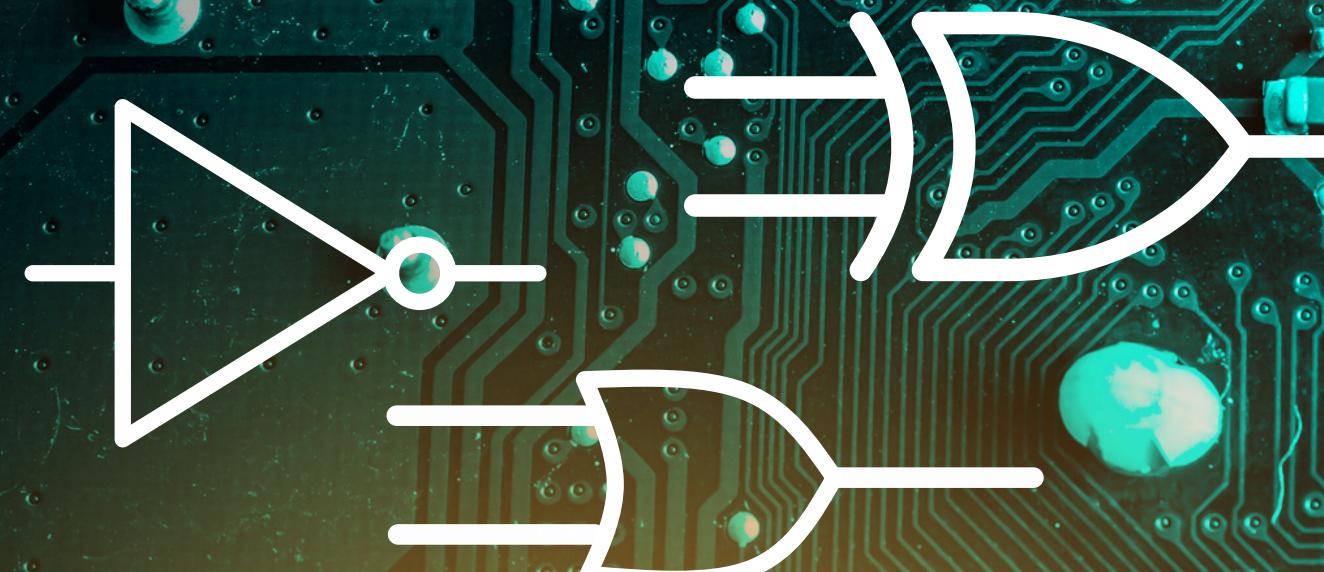
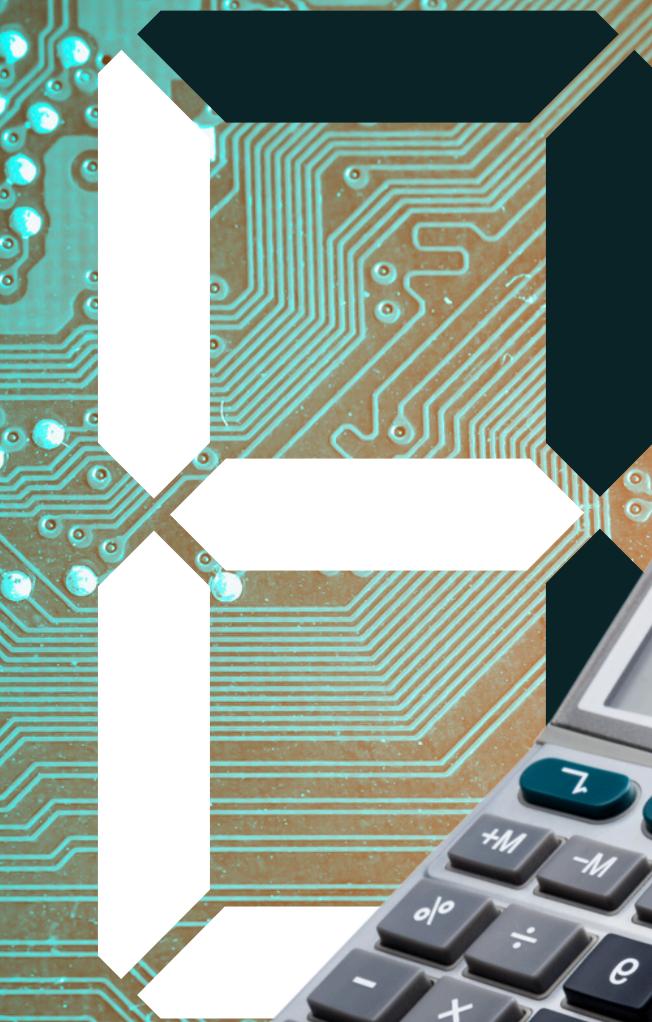


DIGITAL
LOGIC CIRCUITS

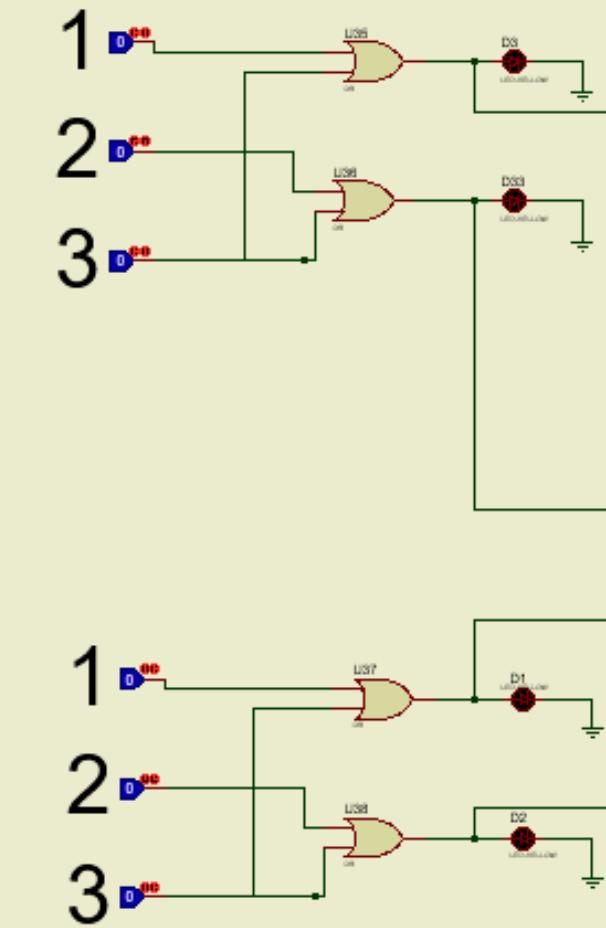


PROTEUS

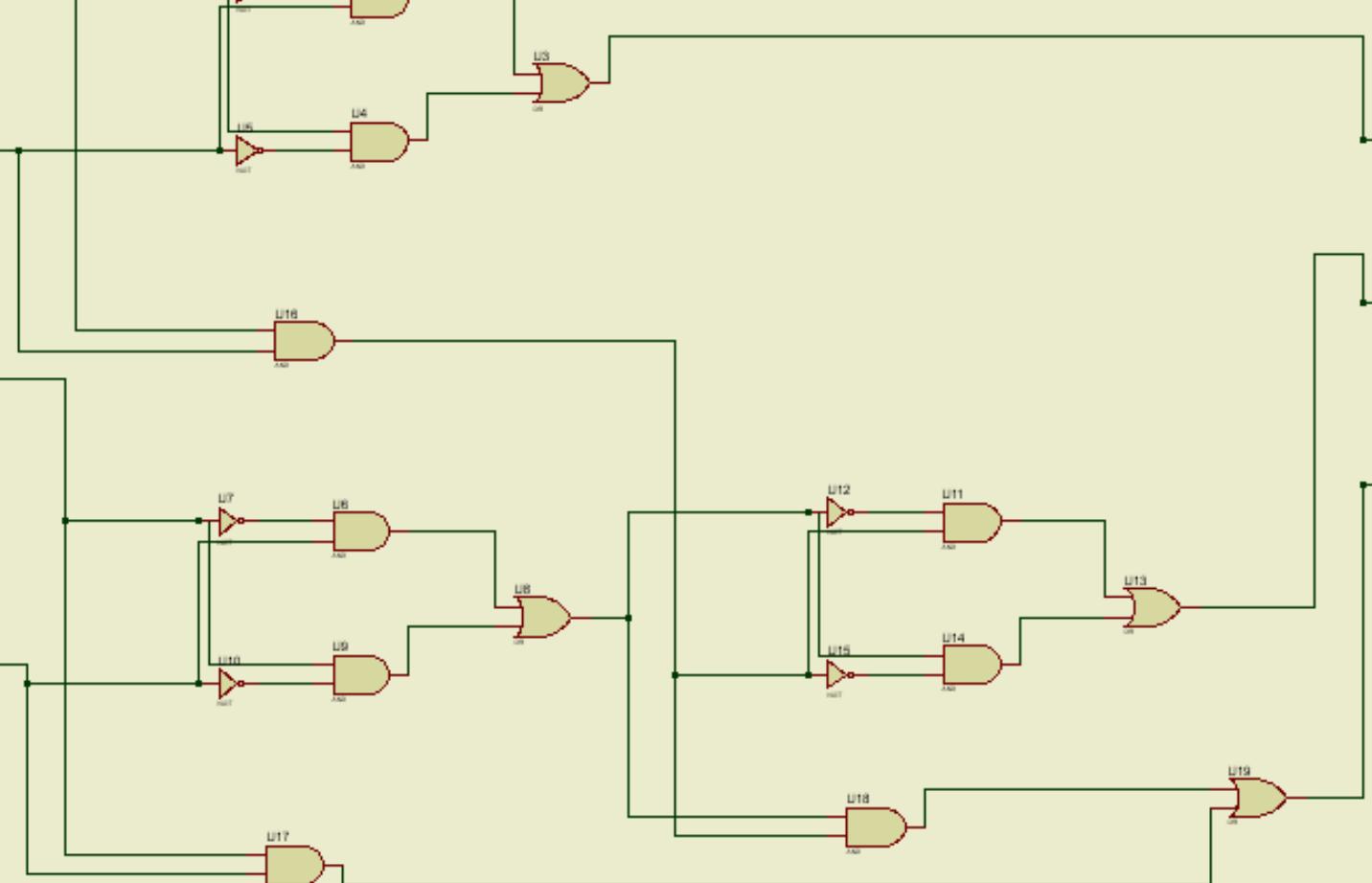


BRADA AEDER RAOUF

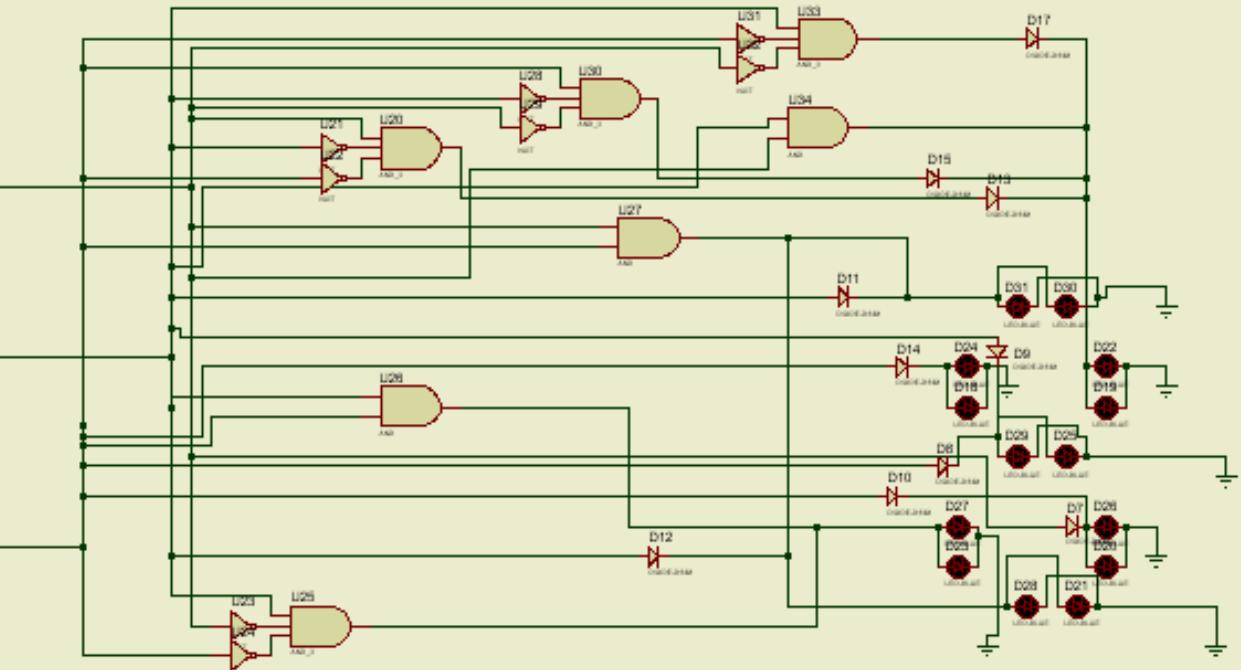
ENCODER



ADDER



DECODER



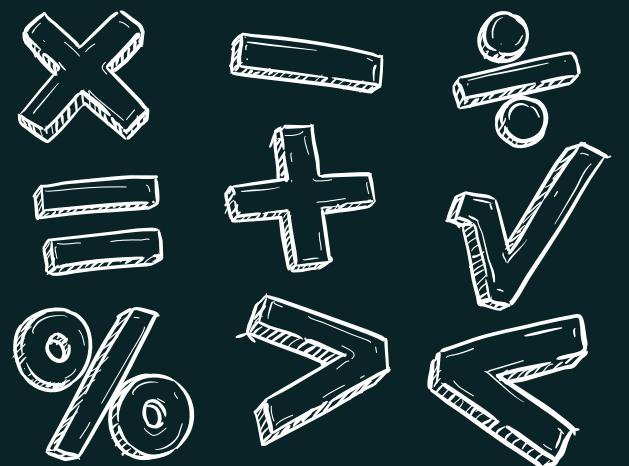
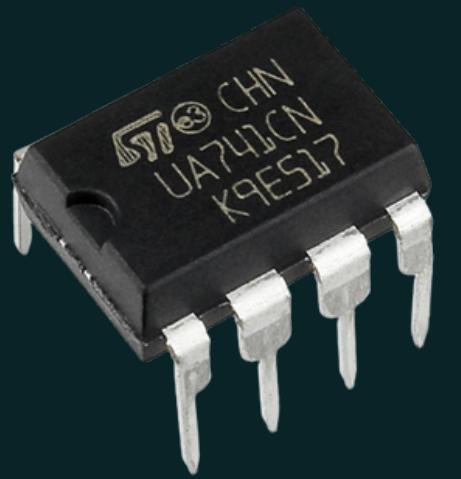
SCREEN

D17
D18
D19
D20
D21
D22
D23
D24

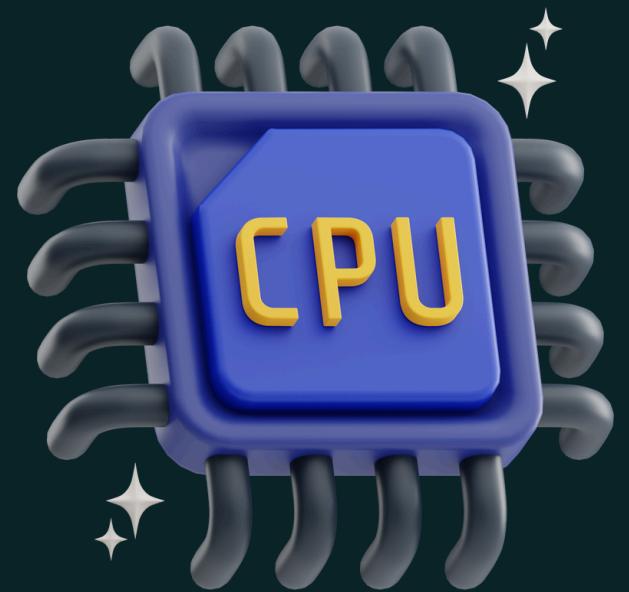
bottoms



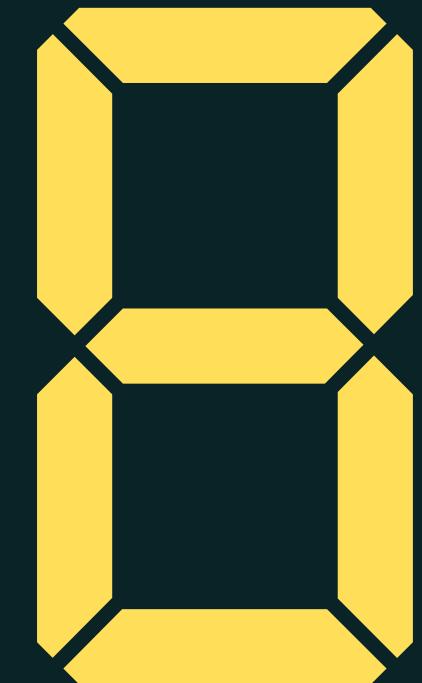
encoder



decoder



screen



adder



THE ENCODER CIRCUIT:

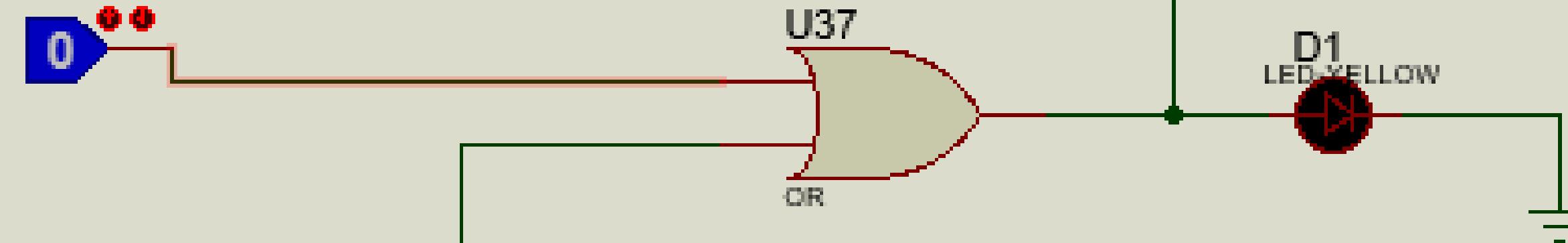
The encoder circuit's function is to convert the signal from a pressed key on the keyboard into a binary code understandable by the processor.

This is achieved using AND and OR logic gates to generate the binary signals corresponding to the pressed key.

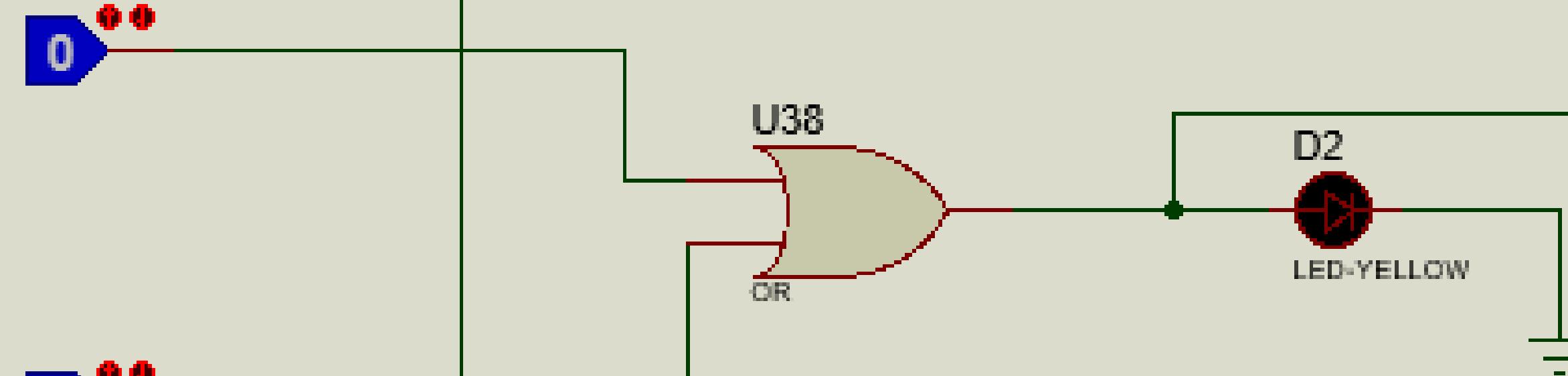
34627



1



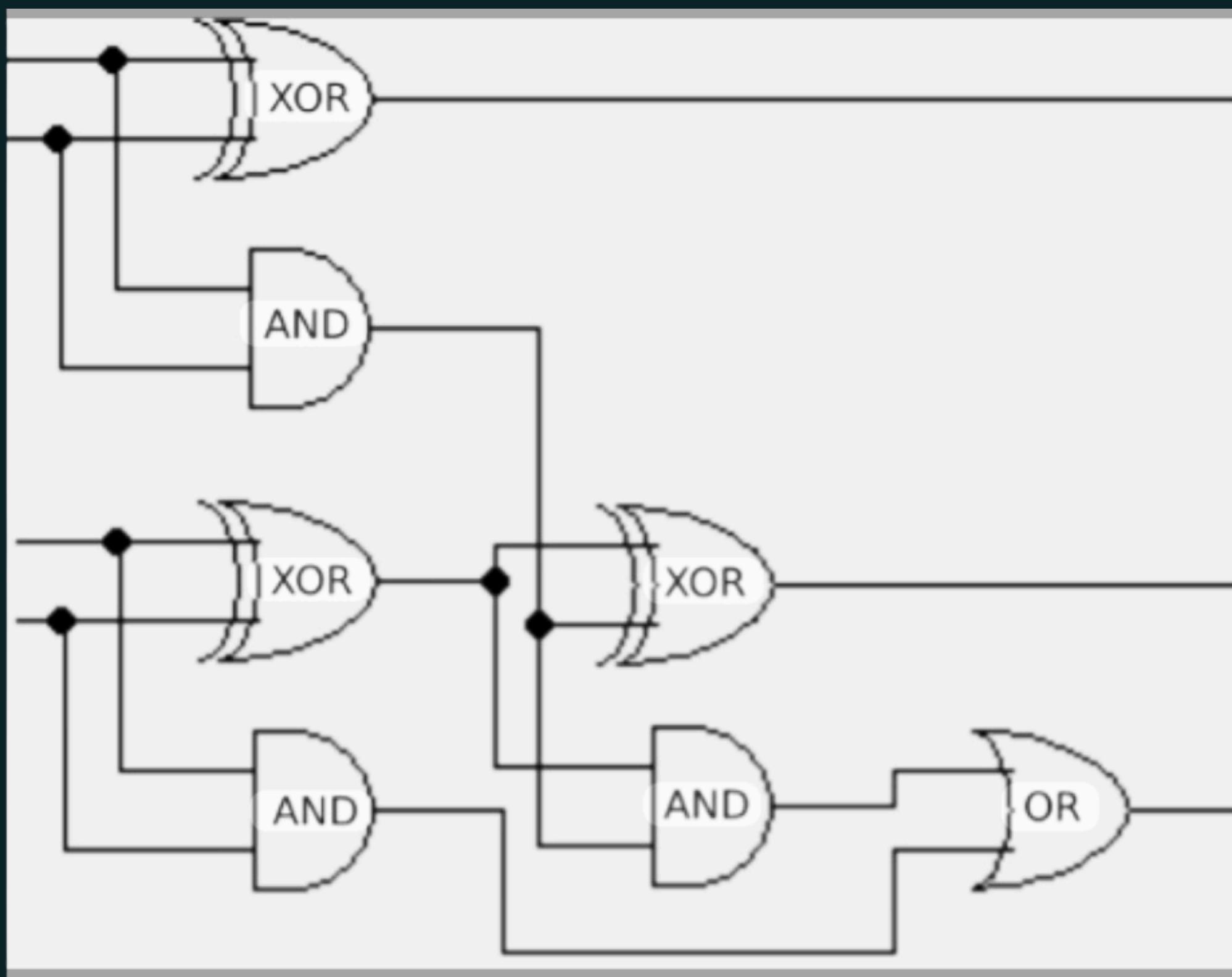
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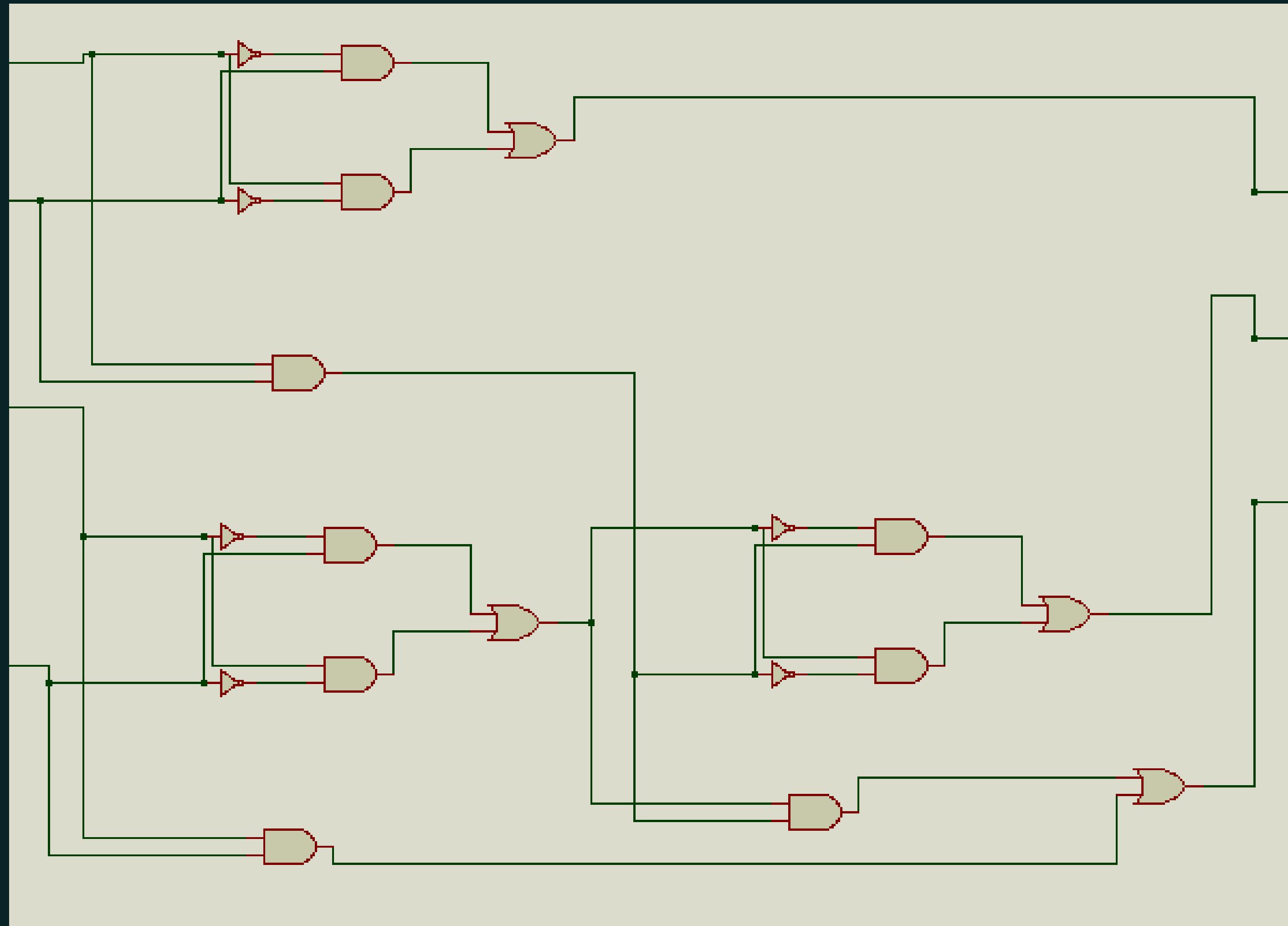


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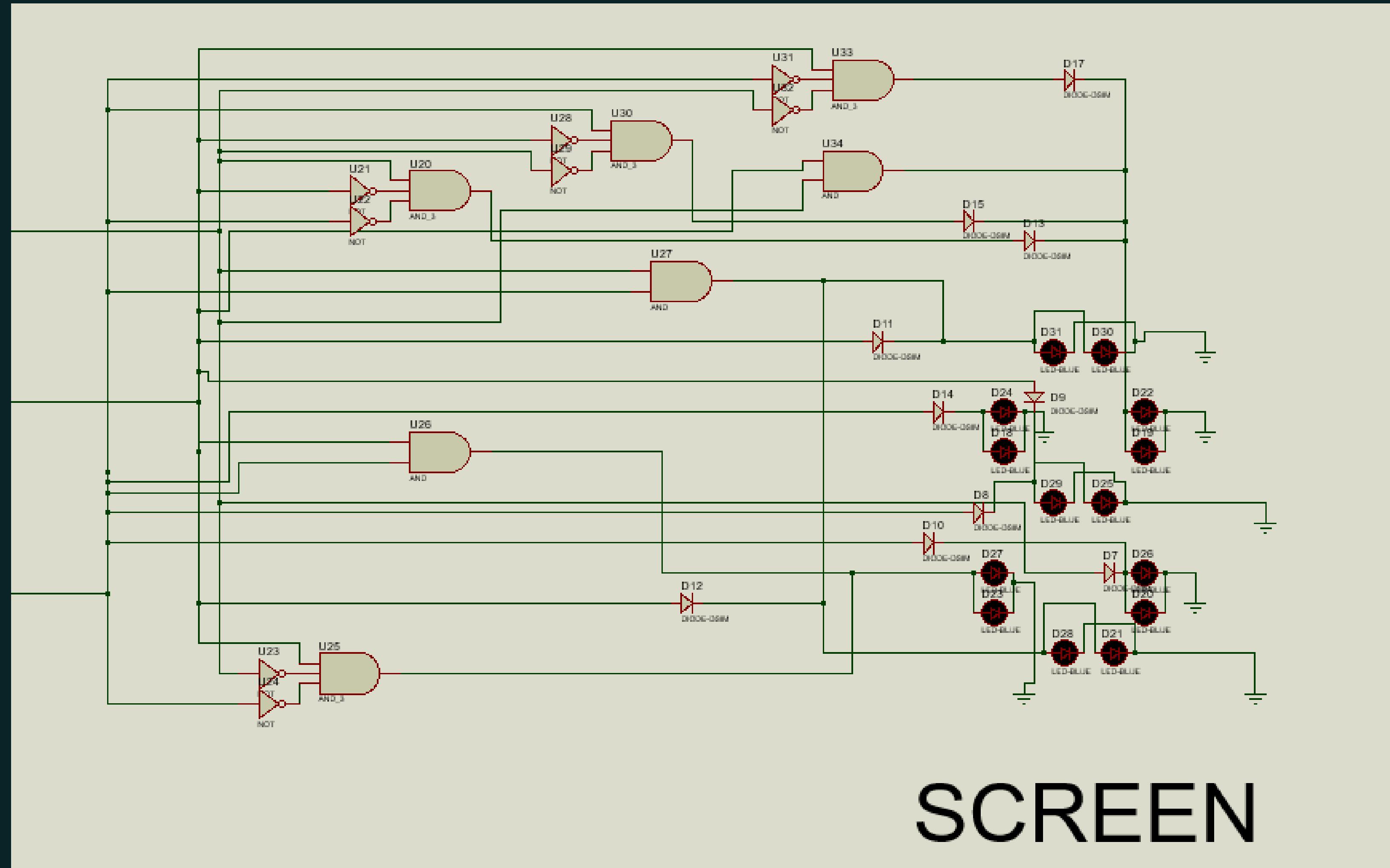
THE ADDER CIRCUIT :





THE DECODER CIRCUIT:

A decoder circuit is a combinational logic circuit that converts binary input signals into a specific output pattern, usually used to drive LEDs or 7-segment displays so that each input combination lights up the correct LED or segment.





THANKS