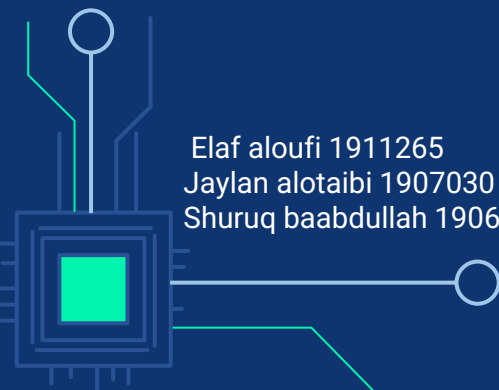




COMPETITION CIRCUIT

CPIT210 Group Project
Dr. Dua'a Sinnary - VAR



Elaf aloufi 1911265
Jaylan alotaibi 1907030
Shuruq baabdullah 1906284



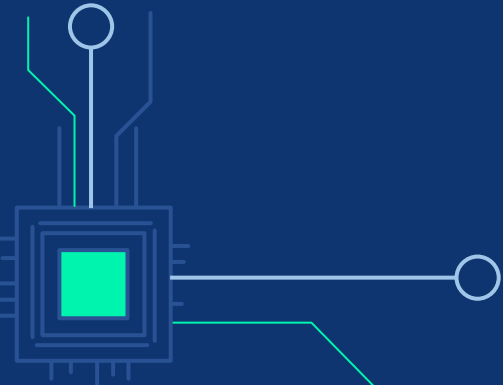


THE CONTENT

- THE COMPONENTS USED
- HOW THESE COMPONENTS WORK
- A STEP BY STEP BUILD OF THE CIRCUIT



WHAT COMPETITION CIRCUIT?

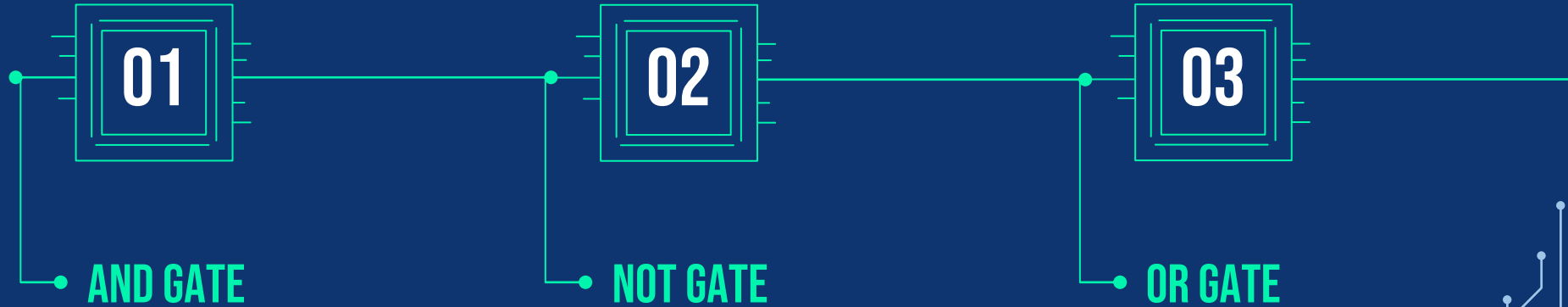


COMPONENTS OF COMPETITION SYSTEM CIRCUIT

Component	IC Number	Quantity
AND Gate	7408	1
NOT Gate	7404	1
OR Gate	7432	1
Counter	74192	1
BCD (Binary Coded Decimal) Circuit	7447	1
7 Segment Common Anode	5501	1
J-K Flip Flop	7473	1
4*1 Multiplexer	74153	1
Push Buttons		5



FUNCTION OF EACH COMPONENT



Controls the counter pulses.

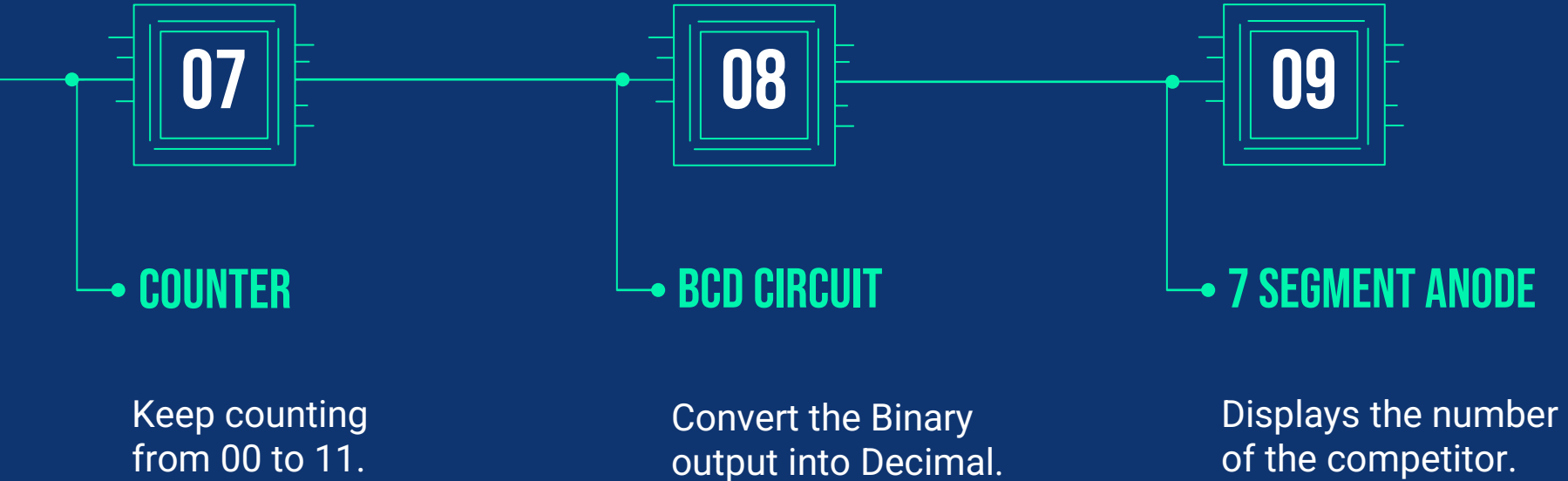
Invert the output of multiplexer to clear the flip flop.

Controls the jk flip flop clk.

FUNCTION OF EACH COMPONENT



FUNCTION OF EACH COMPONENT

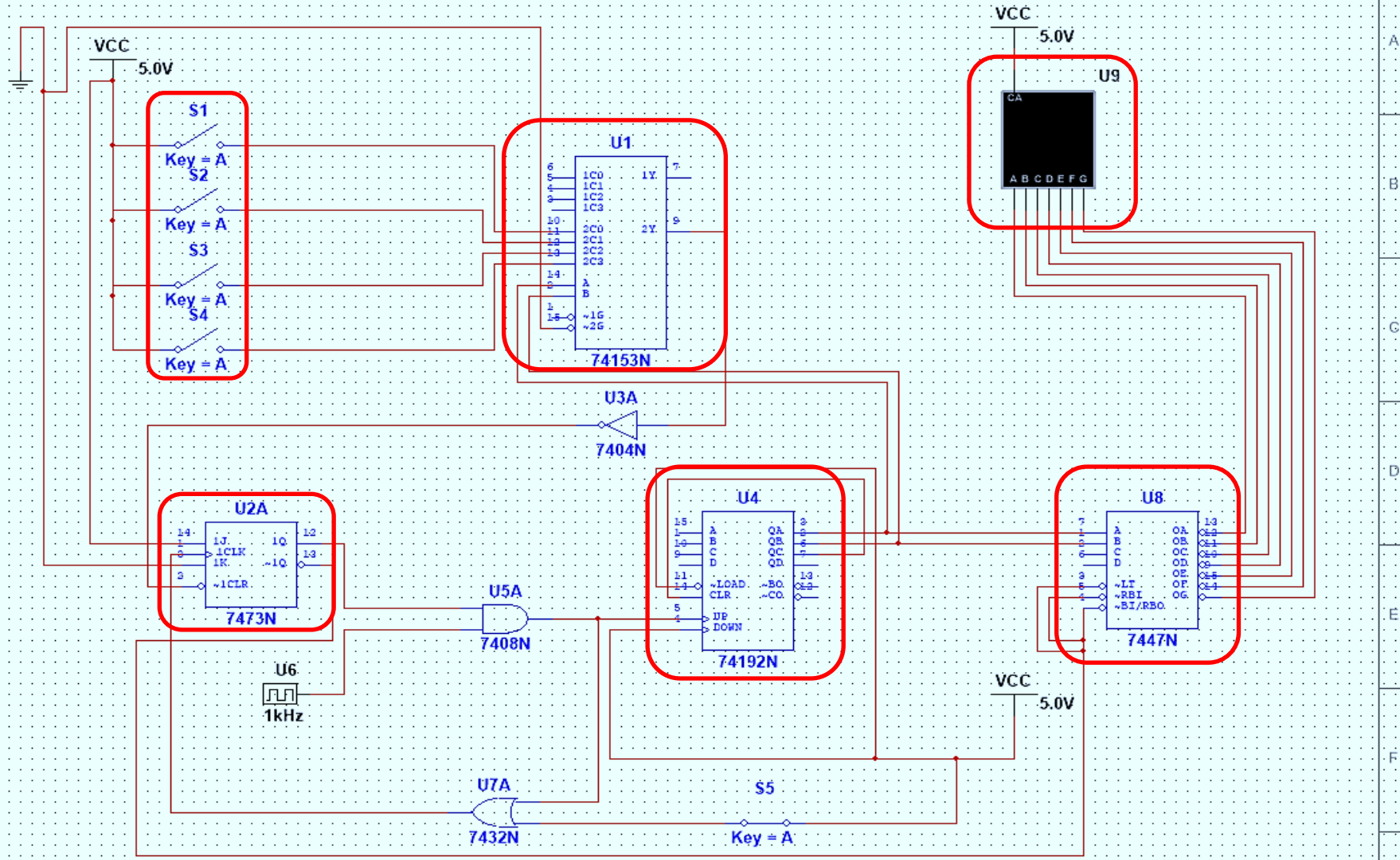


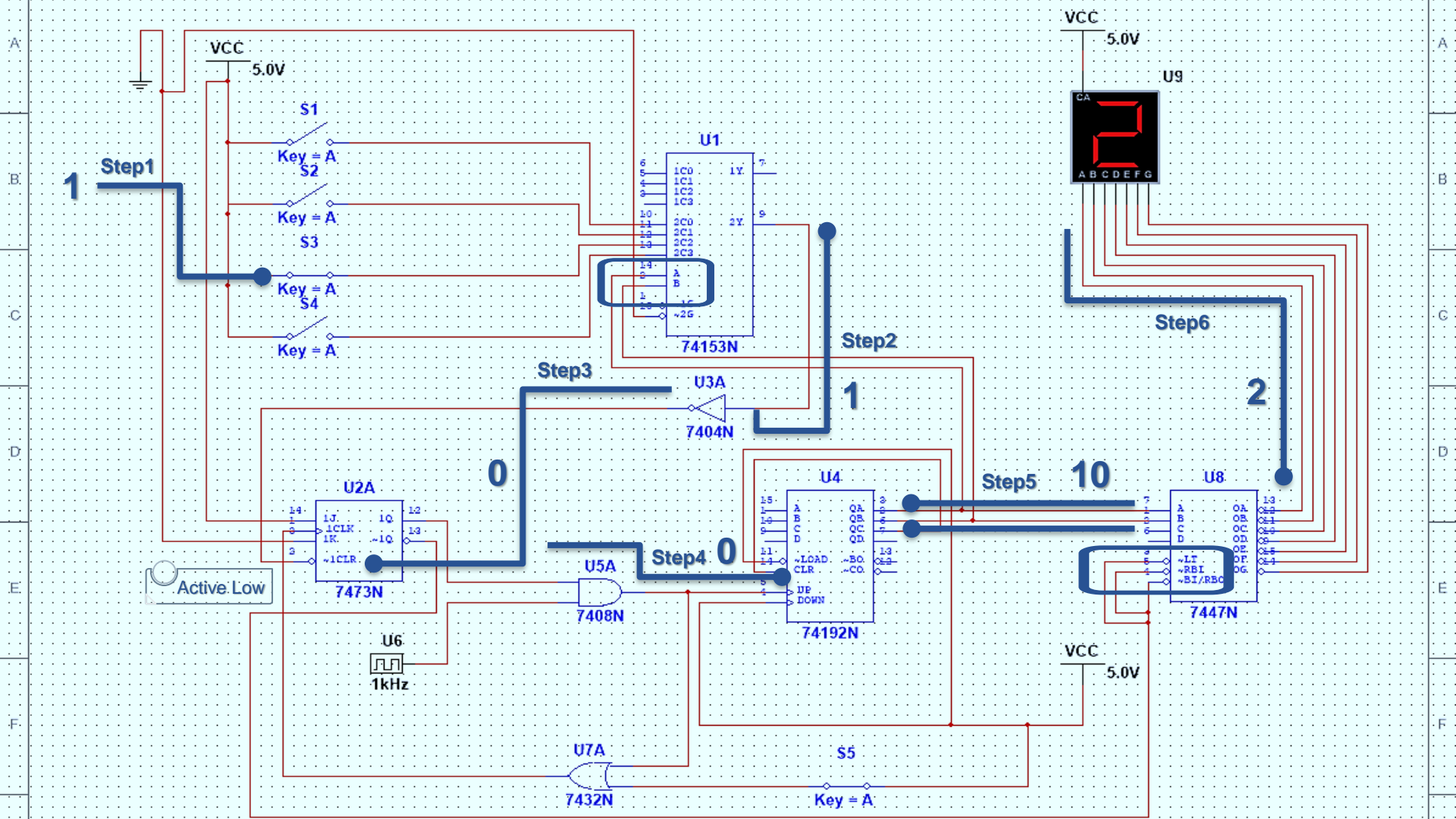
NOW

CIRCUIT IMPLEMENTATION

A step by step build of the circuit









THANK YOU FOR LISTINING!

Do you have any questions?



OUR GROUP

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