

This repository has been archived by the owner on Oct 2, 2020. It is now read-only.

Misc 0x004

Jonathan Ho edited this page on Mar 28, 2020 · 1 revision

Challenge

×

Misc 0x0004

100

<https://imgur.com/c0Je5j8>

101 image 110 => gives you the flag Note- flag format eg riftCTF{eval}

Flag

Submit

For this challenge, we are given an Imgur link to a jpg image, gate.jpg, and are asked to evaluate some function.

Inputs		Outputs
X	Y	Z
0	0	0
0	1	1
1	0	1
1	1	0

The hint states that we need to find 101 image 110 and that the flag format is riftCTF{eval}.

Those who have studied Discrete Mathematics, Boolean Algebra, or worked with Logic Gates will recognize this as the truth table for the exclusive disjunction logical operator (aka xor or \oplus).

For those who do not recognize the table, the challenge is still solvable as one can recognize that based on the inputs x and y, there will be some sort of output z.

Result: Using the xor operator or the truth table, we can evaluate $101 \oplus 110$ to get 011.

Flag: riftCTF{011}

Pages 23

Find a page...

▸ Home

▸ Crypto 0x001

▸ Crypto 0x002

▸ Crypto 0x003

▸ Crypto 0x004

▸ Crypto 0x005

▸ Crypto 0x007

▸ Misc 0x001

▸ Misc 0x002

▸ Misc 0x003

Misc 0x004

▸ Misc 0x005

▸ Misc 0x006

▸ Osint 0x001

▸ Osint 0x003

Show 8 more pages...

Clone this wiki locally

https://github.com/csn3rd/riftCT

