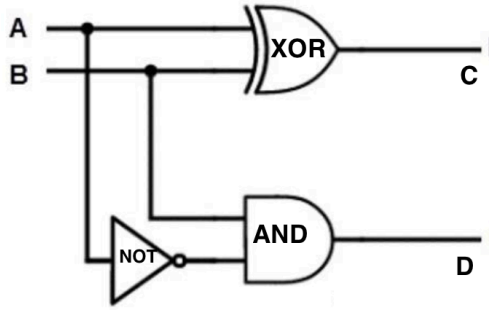
INFO 102 Lab 2: Digital forensics and digital logic review

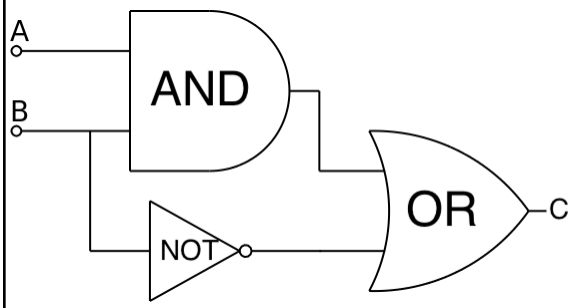
Team member #1: Name: _____ Net ID: _____

Team member #2: Name: _____ Net ID: _____

Team member #1, Find C and D when A and B are 1 and 1, and explain how you did so to your partner.



Team member #2, Find C when A and B are 0 and 0, and explain how you did so to your partner.



Team member #2, How many gigabytes are there in a terabyte? Explain how you found this to your partner.

Team member #1, How many megabytes are in a petabyte? Explain how you found this to your partner.

For the following questions, go to https://hexed.it/ so you can see files in hexadecimal representation. Use files from the "Labs" link on the course website.

Working together, Upload mystery1.txt. What encoding is it in? (Hint, use Tools> Compare text encodings)

Working together, Try to open mystery2.docx on your computer. Somehow, it got the wrong extension (was someone trying to cover their tracks?) Upload mystery2.docx to hexed.it. Can you find the original message in the file contents?

Working together, Try to open mystery3.pdf on your computer. Somehow, it also got the wrong extension (seems like the modus operandi) Upload mystery3.pdf to hexed.it. Can you figure out what the original file type was? Add the correct ending and see if you can open it.

Why do you think changing the file ending makes it so the computer can't open the file?

Both team members, upload mystery4.jpeg to hexed.it and to https://jimpl.com

What clues did you find about the photo taker's location and phone? Any other interesting information?

Do you see any of the metadata extracted from jimpl.com on the hex view? Any thoughts on why you don't see more?

If you're curious about uploading any other files to hexed.it or jimpl.com, feel free, but understand that the website could keep your files for their own use!

When you're done, check out with a TA or CA, and hand over this completed worksheet.

Bye!