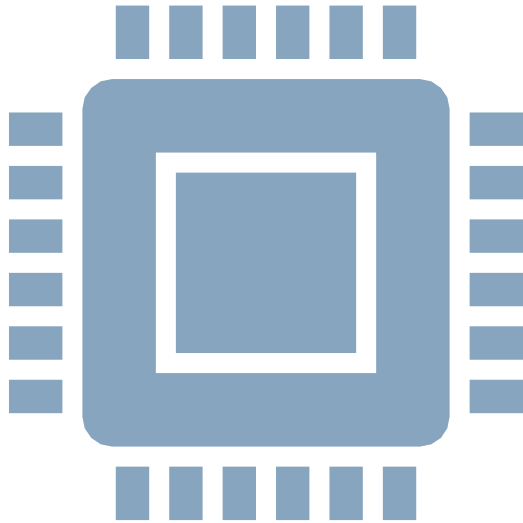




# WIRE STRUCTURE

BY KACE COTTAM



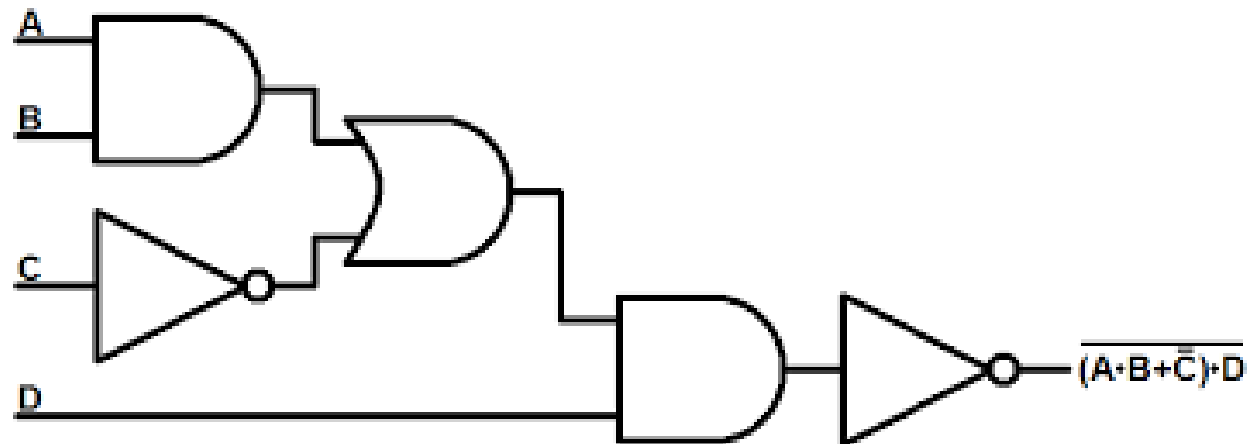
# IT IS A PROGRAM

FIGURES FOR A COMPUTER SCIENCE TUTOR

## WHAT IS IT?

It is a program for drawing and simulating “logic circuit” diagrams. In CPT\_S 260, we specifically needed a tool in order to draw circuit diagrams to the professor’s liking– with this program, in collaboration with the professor, students will have a free, open source alternative to other paid methods.

Since I am working with the professor on this project, I can tailor it to the demands of the homework and even the professor’s presentations!



## IS IT JUST FOR CPT\_S 260?



- No!
- Since it is written in C++, the main programming language for CPT\_S 121, 122, and 223, I can show students bits of code that are relevant to what they are learning– in terms of data structures, syntax, and programming style. Better yet, they can find the source code for the project online (at [www.github.com/KaceCottam/WireStructure](https://www.github.com/KaceCottam/WireStructure)), download it, and tinker with it themselves! They can even contribute to the project in order to learn git, which is a popular programming tool.

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## THE BIG PICTURE

- A student who is seeking a computer science degree should be able to see, if they want, what a fully developed project looks like; it is a goal for them to strive for.
- I can use this program to teach circuit diagrams and C++ programming.
- I can also use this experience to let tutees know what kind of troubles they can expect to see when developing a large program.

# What is Programming?

