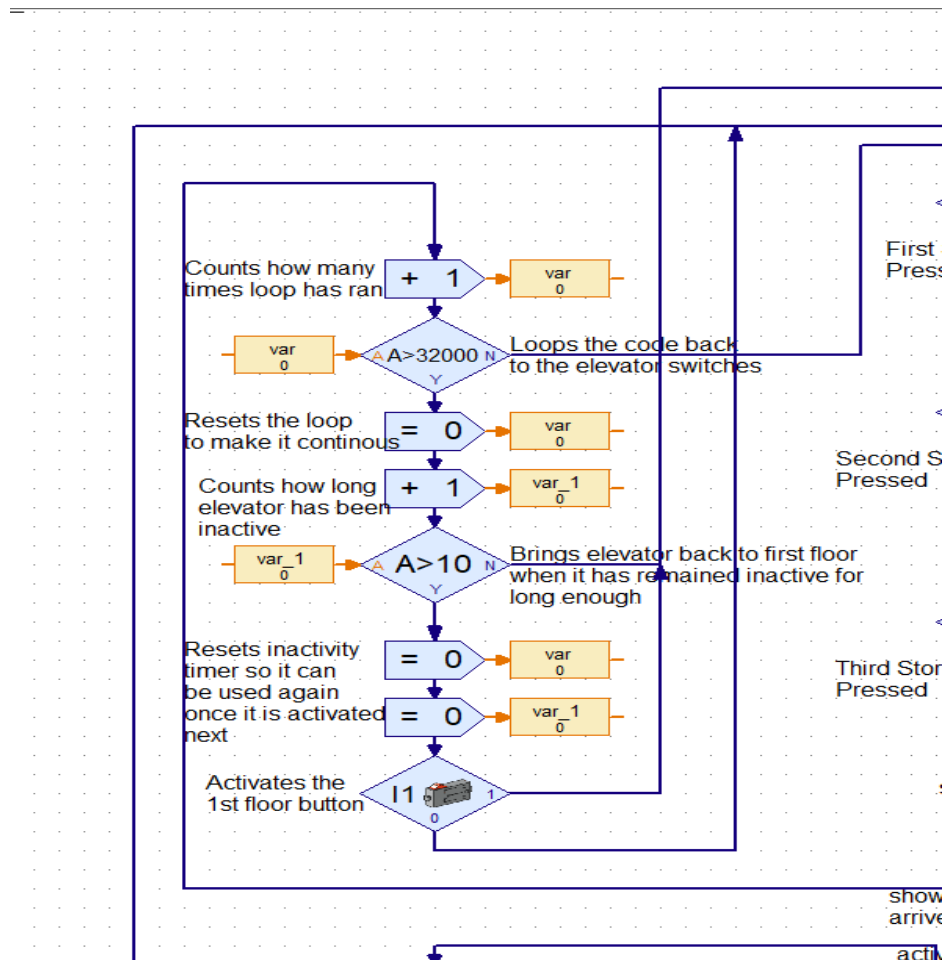


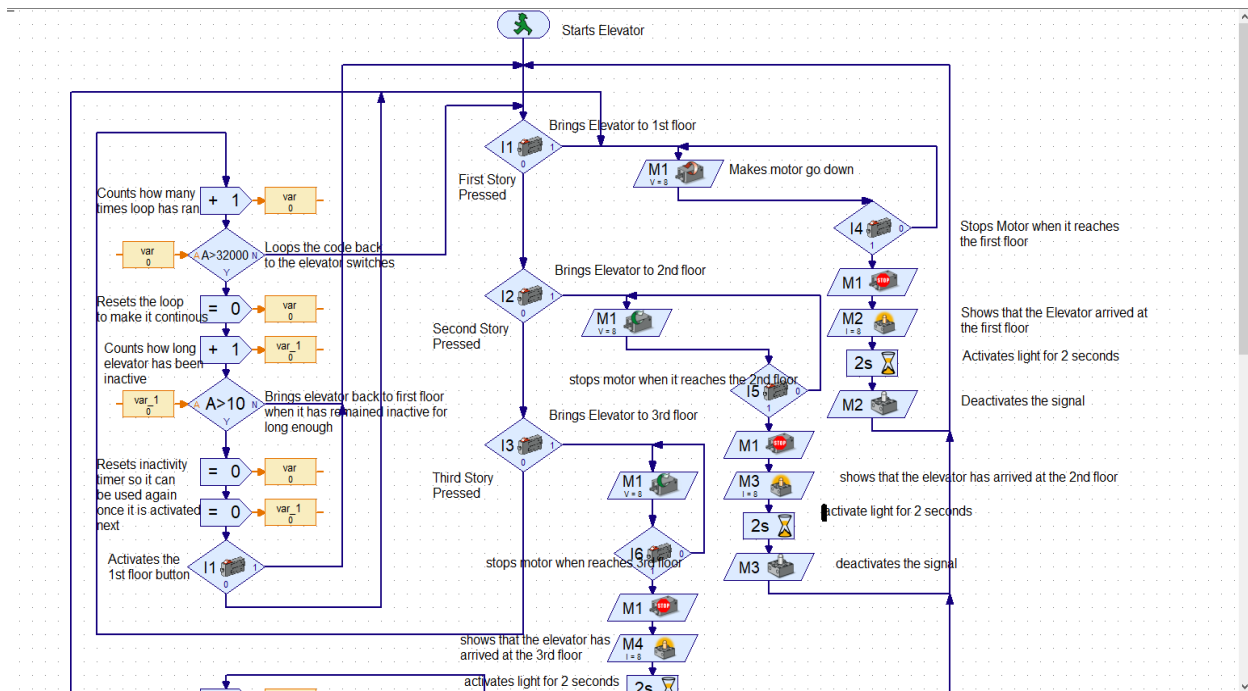
Elevator project

How it works

A company hired us to make an elevator for them. Over the past week, and with multiple tests and failures we have made a working elevator after a number of attempts, we (Nate and Tyler) have come up with our favorite design that fulfils all the design constraints. The first element that our design has is, our elevator goes to any floor desired. This is made possible by the way our code works. Our code is a closed loop program, so this means that the code is always continuously looping so the program doesn't stall. If you were to press the button that puts the elevator at level three, when the elevator is at level 1, it will go to level 3.

The second element is our elevator will return to the ground floor after 10 seconds. This is made possible because of a closed loop. While the elevator is not moving, a timer counts up. When the Timer reaches 10 seconds then the elevator returns.





Summary

As mentioned earlier, this program is a closed loop program meaning it will loop forever since there is no end and thus you can use it for however you want.