When I was writing the program, I used "for" to write the xy coordinates to build the house. I first use "for" to build the roof, then use "for" to define the (0, 0) position of the body of the house, and finally use "for" to build the body of the house. I encounter difficulties while building windows. It took me a lot of time to think how to write before knowing that "&&" and "||" can also use "()"to express. Writing variable is also a difficulties to find the regular pattern. There are too many variables need to be calculated. However, my assignment finally finished at last. Changing the constant from the variable can verify if my design is valid.