

Draw a house report

My house design:

Total width of the house MAX

$(r_top=40, r_bottom=72, h_width=64) = 72 == 72$

Total height of the house:

$h_height + (r_silde + 2) + floor + ceiling = 62 == 62$

Exterior width of the house MAX

$(h_width=64, windows_width=25, door_width=20) = 64 == 64$

Exterior height of the house:

$h_height + floor + ceiling = 44 == 44$

Interior width of the house:

$h_width = 64 == 64$

Interior height of the house:

$h_height = 40 == 40$

This house I used lots of for loop to build it. First of all, the roof of the house I use two-level for loop. The first one is in order to calculate the row. And the second one is in order to calculate the space or the letter that we need to print out. After

that, we can start to design the main of the house. I used two for loop to draw out the ceiling. In addition, below the ceiling have 10 rows of space but it should include “@@” in the start and the end of the line. As a result, I put for loop for the space in the middle and then put “printf(“@@”)” in the front and back. The window has two kind of different figure, so I use if judgment to determine whether is “=====” or “= + + =”. After that I used for loop to print out the door. In the end, I used for loop again to print out the space between the floor to the door.