

Inputs

- Store width as widthOfHouse
- Store length as lengthOfBase
- Store height as heightOfHouse
- Store number of windows as numberOfWindows
- Store window dimensions as windowLength and windowWidth
- Store number of doors as numberOfDoors
- Store door dimensions as doorWidth and doorLength
- Store the cost of paint per square foot as costPerSquareFoot

Calculations

- Find square feet of side of house
 - $L * W$
 - $\text{squareFeetOfHouse} = \text{lengthOfBase} * \text{widthOfHouse}$
- Find square feet of height before house
 - $L * W + \frac{1}{2}(L(H-W))$
 - $\text{squareFeetOfHeightOfHouse} =$
 $\text{lengthOfBase} * \text{widthOfHouse} + \frac{1}{2}$
 $(\text{lengthOfBase}(\text{heightOfHouse} - \text{widthOfHouse}))$