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CS176L

Pseudocode for House Painting

1. Input cost per square foot as costPerSF
2. Input the length of the house as houseLength
3. Input the width of the house houseWidth
4. Input the height of the house as houseHeight
5. Input the number of windows as windowsNumber
6. Input the length of the windows as windowsLength
7. Input the width of the windows as windowsWidth
8. Input the number of doors as doorsNumber
9. Input the length of the doors as doorsLength
10. Input the width of the doors as doorsWidth
11. Calculate square footage of two peak sides using formula houseLength\*houseWidth + 1/2(houseLength\*(houseHeight-houseWidth)), assign answer to houseTrianSides and then multiply answer by 2
12. Calculate square footage of two recantgular sides using houseLength\*houseWidth, assign answer to houseRecSides and multiply by 2
13. Add houseTrianSides and houseRecSides together for total surface area, assign to houseTotalSurface
14. Calculate surface area of windows by doing windowsNumber\*windowsLength\*windowsWidth and assign to windowsSurface
15. Calculate surface area of doors by doing doorsNumber\*doorsLength\*doorsWidth and assign to doorsSurface
16. Subtract houseTotalSurface by doorsSurface and windowsSurface to get houseSurface
17. Multiply houseSurface by costPerSF , assign to finalCost to obtain the cost of painting the entire house