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House Painting Algorithm

1. Import Java scanner
2. Input cost per square foot
3. Accept cost per square foot and store as costpersqft
4. Input length of house
5. Accept length of house and store as houseLength
6. Input width of house
7. Accept width of house and store as houseWidth
8. Input height of house
9. Accept height of house and store as houseHeight
10. Input number of window
11. Accept number of windows and store as numWindows
12. Input length of window
13. Accept length of windows and store as windowLength
14. Input width of window
15. Accept width of windows and store as windowWidth
16. Input number of doors
17. Accept number of doors and store as numDoors
18. Input length of door
19. Accept length of door and store as doorLength
20. Input width of door
21. Accept width of door and store as doorWidth
22. Set sqftPeak equal to 2\*(houseLength\*houseWidth + 0.5\*(houseLength\*(houseHeight-houseWidth)))
23. Set sqftNormal equal to 2\*(houseLength\*houseWidth)
24. Set window equal to numWindows\*windowLength\*windowWidth
25. Set door equal to numDoors\*doorLength\*doorWidth
26. Set sqftToPaint equal to sqftNormal + sqftPeak – (window\*door)
27. Set costToPaint equal to sqftToPaint \* costpersqft
28. Output Your total paintable surface area is sqftToPaint square feet
29. Output Your estimate is costToPaint dollars
30. Close java scanner