Just a Problem (50 Points)

ZPRAC-16-17-Lab3

Years later, Bhuvesh is still busy eating, Shivam is enjoying life with his pretty wife and his new post as the manager of Power Research. Harpreeta is distressed after finding out that Shivam's wife is actually dumb and she did not solve the problem given during his birthday. On the other hand, you're sitting here solving your assignments. Nevermind that, in this problem you need to calculate your monthly electricity bill according to the rules specified below.

Note : Use doubles to store the answer

Input: The first line contains one integer ($n, 0 \leq n \leq 10000$) denoting the number of units of electricity used.
Output: Print the total electricity bill rounded off to 6 decimal places according to the following rate,
For first 50 units Rs. 0.50/unit
For next 100 units Rs. 0.75/unit
For rest of the units Rs. 1.00/unit
An additional surcharge of 20% is also added to the bill

Example:
Input:
10
Output:
6.000000