**G. Discount**

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Some small supermarket is having a sales promotion. If you buy exceeds some threshold value you will get a discount. The discounts are based on the table below:

|  |  |
| --- | --- |
| **Value** | **Discount** |
| ≤ RM500 | 0% |
| RM501 - RM1000 | 5% |
| RM1001 - RM2000 | 8% |
| > RM2000 | 15% |

Harith want to shop, but then he needs to plan carefully how much we want to buy. So please help him calculate the final amount based on total price.

**Input**

The first line contains ***T (1 ≤ T ≤ 100)***, the amount of test case(s).

The following T lines contains **p *(0 ≤ P ≤ 100000)***, represent the total price Harith planned to buy.

**Output**

Output the final calculated price, based on the table above. Price must be rounded down to two decimal places.

|  |  |
| --- | --- |
| **Sample Input** | **Sample Output** |
| 5  0  100  1000  1337  5000 | RM 0.00  RM 100.00  RM 950.00  RM 1230.04  RM 4250.00 |