

G. Discount

Author: **Shahril**

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
\leq 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 ($1 \leq T \leq 100$), the amount of test case(s).
The following T lines contains p ($0 \leq P \leq 100000$), 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	RM 0.00
0	RM 100.00
100	RM 950.00
1000	RM 1230.04
1337	RM 4250.00
5000	