Problem B. Barfoosia Tax Return

Input file:	`stdin`
Output file:	`stdout`
Time limit:	1 second

It's tax return season in the United States of Barfoosia! Because their IRS employees are lazy, U.S.B's tax system is much simpler: when payroll is delivered, a 50% tax is withheld, regardless of your pre-tax income or any other personal factors. In the tax return process, a final tax amount will be calculated and a balance will be refunded or collected. The final tax amount will be calculated by a staggered rate based on one's pre-tax annual income:

The part of income falling within \$0-\$10,000 will be tax-free
The part of income falling within \$10,000-\$20,000 will be taxed 10%
The part of income falling within \$20,000-\$40,000 will be taxed 20%
The part of income falling within \$40,000-\$80,000 will be taxed 40%
The part of income above \$80,000 will be taxed 80%

For example, if Alice made \$5,000 last year, all her income will fall into the tax-free column, and she should have been taxed \$0. Since \$2,500 was withheld from her payroll, she should be refunded \$2,500. If Bob made \$35,000 last year, his first \$10,000 income is tax-free, his next \$10,000 income is taxed by 10%, and his remaining \$15,000 income is taxed by 20%. He should have been taxed

$$\$10,000 * 0\% + (\$20,000 - \$10,000) * 10\% + (\$35,000 - \$20,000) * 20\% = \$4,000$$

Since \$17,500 was withheld from his payroll, he should be refunded \$13,500.

Given the pre-tax annual income (always a multiple of 100) of U.S.B residents, compute amount refunded to or owed by each person.

Input

The first line of input contains a positive integer N ($1 \le N \le 100$), which represents the number of residents in U.S.B.
In the following N lines, the ith line has one integer X_i ($0 \le X_i \le 1,000,000$, X_i is guaranteed to be a multiple of 100), the pre-tax annual income of the ith resident.

Output

For each resident, print a line containing tax refunded or owed. If the person should be refunded tax, print "Refund "followed by the amount to be refunded; if the person owes tax, print "Owe "followed by the amount owed; if neither, print "Clear". All printed amounts should be integers.

Examples

stdin	stdout
4	Refund 2500
5000	Refund 13500
35000	Clear
0	Owe 2000
150000	