

Elementary

Time limit: 1000 ms
Memory limit: 128 MB

Write a program that converts a word in the English dictionary (a string of lower case letters) into a number. Below are some examples of input-output pairs and there is a server that can give you more outputs for given inputs. Your task is to find out what the functions does and program it.

Standard input

On the first line there will be an integer n , the number of lines that will follow.

Lines 2, ..., $n + 1$ will contain one word on each one.

Standard output

Print a list of n numbers, one per line.

For the given tests, each number will be smaller or equal to 10^6 .

Input	Output
15 ieeextreme one brainteaser snow unicorn laparoscopy overcautiousness cosmos conclusion wisconsin binationalism barbascos cacophonic inosculate pneumonoconiosis	0 1 2 3 4 5 6 7 8 9 10 11 12 13 48
6 monkey frog bison chinook puffin rhinoceros	0 1 2 3 4 6
5 kale asparagus broccoli spinach chocolate	0 1 2 3 4

Sample Tester

Here's a helper so you can test the server:

- Modify the input (left), and hit compute.
- You are allowed to interrogate at most 100 strings of length at most 100, each.
- There is a limit of 10 interrogations per minute.