



```
System.out.println("hello, world!");
```

Practice Mode

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Round 1B 2016

**A. Getting the Digits**[B. Close Match](#)[C. Technobabble](#)[Contest Analysis](#)[Questions asked](#)

## - Submissions

## Getting the Digits

 11pt Not attempted  
7826/9436 users  
correct (83%)

 12pt Not attempted  
6839/7763 users  
correct (88%)

## Close Match

 10pt Not attempted  
2847/6107 users  
correct (47%)

 23pt Not attempted  
938/1528 users correct  
(61%)

## Technobabble

 14pt Not attempted  
1558/4118 users correct  
(38%)

 30pt Not attempted  
568/733 users correct  
(77%)

## - Top Scores

ikatanic	100
rng..58	100
Anta0	100
EgorKulikov	100
simonlindholm	100
Snuke	100
enot.1.10	100
zerokugi	100
mk.al13n	100
bmmerry	100

**Problem A. Getting the Digits**

This contest is open for practice. You can try every problem as many times as you like, though we won't keep track of which problems you solve. Read the [Quick-Start Guide](#) to get started.

 Small input  
11 points

Solve A-small

 Large input  
12 points

Solve A-large

**Problem**

You just made a new friend at an international puzzle conference, and you asked for a way to keep in touch. You found the following note slipped under your hotel room door the next day:

"Salutations, new friend! I have replaced every digit of my phone number with its spelled-out uppercase English representation ("ZERO", "ONE", "TWO", "THREE", "FOUR", "FIVE", "SIX", "SEVEN", "EIGHT", "NINE" for the digits 0 through 9, in that order), and then reordered all of those letters in some way to produce a string **S**. It's up to you to use **S** to figure out how many digits are in my phone number and what those digits are, but I will tell you that my phone number consists of those digits in nondecreasing order. Give me a call... if you can!"

You would like to call your friend to tell him that this is an obnoxious way to give someone a phone number, but you need the phone number to do that! What is it?

**Input**

The first line of the input gives the number of test cases, **T**. **T** test cases follow. Each consists of one line with a string **S** of uppercase English letters.

**Output**

For each test case, output one line containing Case #*x*: *y*, where *x* is the test case number (starting from 1) and *y* is a string of digits: the phone number.

**Limits**
 $1 \leq T \leq 100$ .

A unique answer is guaranteed to exist.

**Small dataset**
 $3 \leq \text{length of } S \leq 20$ .
**Large dataset**
 $3 \leq \text{length of } S \leq 2000$ .
**Sample**

Input	Output
4	Case #1: 012
OZONETOWER	Case #2: 2468
WEIGHFOXTOURIST	Case #3: 114
OURNEONFOE	Case #4: 3
ETHER	

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