Problem A. Aviation alphabets

Input file:	standard input
Output file:	standard output
Time limit:	1 second
Memory limit:	256 megabytes

Have you ever heard a conversation between a pilot and air traffic control ? it's very weird right ? Alpha, Bravo, Charlie... What are they talking about ? Actually Those are code words are assigned to the letters of the English alphabet, so that the message could be understood regardless of language differences or the quality of the communication channel.

The 26 code words in the NATO phonetic alphabet are assigned to the 26 letters of the English alphabet in alphabetical order as follows: Alfa, Bravo, Charlie, Delta, Echo, Foxtrot, Golf, Hotel, India, Juliett, Kilo, Lima, Mike, November, Oscar, Papa, Quebec, Romeo, Sierra, Tango, Uniform, Victor, Whiskey, X-ray, Yankee, Zulu.

Given a conversation between a pilot and ATC consisting of those code words, we want you to make a program that decodes the message.

Input

The input file starts with an integers denoting the number of words in a message.

Each test case starts with an integer N ($1 \leq N \leq 100$) denoting the number of letters in a word.

Then follows N lines, each one containing one string consisting of the code words described above.

Output

For each test case output one line containing the decoded word.

Example

standard input	standard output
2 5 Hotel Echo Lima Lima Oscar 3 Mike Charlie Charlie	HELLO MCC