Problem 11: Ordenación en Español[1]

Source filename:	`espanol.(cpp|java)`
Input filename:	`espanol.in`
Output filename:	`espanol.out`

The goal of this problem is to sort Spanish words according a collating sequence that accommodates Spanish letters. You do not need to know any Spanish to solve this problem. You should write a program named **`espanol.cpp`** that reads input from a file named **`espanol.in`** and writes output to a file named **`espanol.out`**.

Detailed Problem Description

It is fairly simple to alphabetize a list of English words, since each letter in the collating sequence is a single ASCII character. However, in Spanish some letters consist of more than one character. Assume the collating sequence is

```
a,b,c,ch,d,e,f,g,h,i,j,k,l,ll,m,n,~n,o,p,q,r,rr,s,t,u,v,w,x,y,z
```

using `~n` to represent the real letter ñ (the tilde character '~' corresponds to ASCII value 126). Further, for this problem, assume that any pair of characters which can represent a letter does; for example, the combination `ch` would always mean the letter `ch`, not the letter `c` followed by the letter `h`.

Your program should read a list of Spanish words and alphabetize it according to the collating sequence given above.

Input File **`(espanol.in)`**

The input file contains 1 test case. The first line contains a single, positive integer *n* ($0<n<500$), which represents the number of words that exist in this test case. Each of the next *n* lines contains a single Spanish word (that is, one per line) and each word will contain fewer than 20 characters. The file will contain no spaces, upper case letters, or any other character besides those listed in the collating sequence above.

Output **`(espanol.out)`**

Display the words in sorted order, according to the collating sequence above, one word per line.

Example Input File **`(espanol.in)`**

```
2
chico
cubana
```

Example Output **`(espanol.out)`**

```
cubana
chico
```

[1] This problem appeared in the 1991 ACM South Central Region Scholastic Programming Contest hosted by Texas A&M University.