- 2. Using the higher order function <code>reduce()</code>, write a function <code>max_in_list()</code> that takes a *list* of numbers and returns the largest one.
- 3. In cryptography, a *Caesar cipher* is a very simple encryption technique in which each letter in the plain text is replaced by a letter some fixed number of positions down the alphabet. For example, with a shift of 3, A would be replaced by D, B would become E, and so on. The method is named after Julius Caesar, who used it to communicate with his generals. *ROT-13* ("rotate by 13 places") is a widely used example of a Caesar cipher where the shift is 13. In Python, the key for ROT-13 may be represented by means of the following dictionary:

Your task in this exercise is to implement an encoder/decoder of ROT-13. Once you're done, you will be able to read the following secret message:

```
Pnrfne pvcure? V zhpu cersre Pnrfne fnynq!
```

Note that since English has 26 characters, your ROT-13 program will be able to both encode and decode texts written in English.