

# Online 1 for B1

Time: 15 minutes

April 14, 2018

## 1 Problem Statement

Write a program to encode a three-letter message using *Caesar Cipher* with seed  $N$ . A Caesar Cipher with seed  $N$  replaces the input character with a character which is at  $N$  distance from the input in alphabet. For example, if the seed is 4, 'A' in input would be converted to 'E'.

- The program takes four inputs. The first three are letters (a-z/A-Z). The fourth one is a single-digit number (0-9).
- The output is displayed on the same line, effectively replacing the input. The fourth output should be a space.

## 2 Assumptions and Restrictions

- You may assume no boundary case will be given.
- You may only use the instructions/techniques showed in the first Assembly lecture.

## 3 Sample Input Output

Input:

ABC4

Output (on the same line):

EFG