

Math 495R Homework 3

- (1) In the ACME Introduction to Python lab 1, do Problem 5 (manipulating a list).
- (2) Project Euler, Problem 1.
- (3) Write a function `string2int26` that, given a string of capital letters, returns an integer using the 26 character alphabet $A = 00$, $B = 01$, ..., $Z = 26$, so that `CAT = 020019`. Write a function `int2string26` that, given an integer, returns the corresponding string in the 26 character alphabet, or returns an error message if the integer does not correspond to a string. Test your functions on the integer `1904181922141703` and the string `DOESTHISFUNCTIONWORK`.