## Homework Project 3

Given 10/23/2019, Due 11/26/2019

The aim of the project is to create a function that implements the Rabin-Karp Algorithm to search for any occurrence of any of a set of forbidden substrings in a long string (e.g., any virus fragment in a long program binary). All strings are '\0'-terminated. The function prototype is:

The function takes an array of k forbidden strings, each of them of length 8, and an input string of length n, and checks whether any of the forbidden strings occurs in the input string. If it finds the a forbidden string, it returns the index at which it starts, else it returns -1. So for forbidden string ''abcdabc'' and input string ''abcabcdabcd'' it will return 3.

Submit your source code by e-mail to phjmbrass@gmail.com; include the course (I06) and homework number in the subject line, and your name as a comment in the homework file. If you submit multiple files, you can pack them with the tar archiver.