Homework Project 4

Given 05/08/2017, Due 05/18/2017

Write a function that performs simultaneous search for multiple patterns on a long string, using the Rabin-Karp algorithm. The function

int multi_string_search(char *s, char **t, int k, int l)

- has the following arguments
 - the data string s in which we search,
 - the array of pattern strings t,
 - the number of pattern strings k,
 - the length of the pattern strings 1

The function returns the position of the start of the first pattern that occurs in **s**, or -1 if none of the patterns occurs. We count the position from 0, so "work" occurs in "homework" at position 4.