Design and Analysis of Algorithms (COMP3001)

Tutorial 8
Rabin Karp searching

Question 1.

Working modulo 11, how many *spurious hits* does the Rabin-Karp matcher encounter in the text $T = 3141592653589793$ when looking for the pattern $P = 26$.

Question 2.

How would you extend the Rabin-Karp algorithm to look for a set of k patterns in a text?

Question 3.

Modify the Rabin-Karp algorithm presented in lectures so that the text is processed right-to-left, rather than left-to-right.