* Boyer-Moore
* Knuth-Morris-Pratt(KMP)
* Rabin-Karp.

procedure RabinKarp(text, pattern)

patternHash rolling hash of pattern

textHash rolling hash of first pattern.length characters of

text

i 0

while i <= length of text − length of pattern do

if patternHash = textHash then

j 0

while j < length of pattern and text[i + j] = pattern[j] do

j j + 1

end while

if j = length of pattern then

return i

end if

end if

i i + 1

if i <= length of text − length of pattern then

textHash new hash of text, with the hash window shifted over

end if

end while

return -1

end procedure