Exercise 7 (April 9)

- Solve the following problems by programming and Send your programs with testing results to program06@yeah.net before (including) April 15.

5.1.26 *Challenging REs.* Construct an RE that specifies each of the following languages of binary strings over the alphabet `{0, 1}`.

a. All binary strings except `11` or `111`

b. Binary strings with `1` in every odd-number bit position

c. Binary strings with at least two `0`s and at most one `1`

d. Binary strings with no two consecutive `1`s

5.1.33 *Web crawling.* Modify `Harvester` program to develop a program that prints all web pages that can be accessed from the web page given as a command-line argument.

5.1.34 *One-level REs.* Construct a Java RE that specifies the set of strings that are legal REs over the binary alphabet, but with no occurrence of nested parentheses. For example, `(a.*b)*|(b.*a)*` is in this language, but `(b(a|b)b)*` is not.