socrative

Module - 19 (copy) Score:

1. Pattern descriptions made up of characters that serve as operands for three fundamental operations. Choice them from following?

(A) Concatenation
(B) Or
(C) Closure
(D) Parentheses

2. A regular expression (RE) is either.
(Hint: Choose Multiple answers)

(A) Empty
(B) A Single Character
(C) A regular expression enclosed in parentheses
(D) Tw0 or more concatenated regular expressions
(E) Two or more regular expressions separated by or operator (|).
(F) A regular expressions followed by the closure operator (*).

3. A | E | I | O | U specifies the language { A , E , I , O , U }.

Is the above statement is true or false ?

(A) True
(B) False

4. Concatenation has lower precedence than or.

Is the above statement is true or false ?

(A) True
(B) False

5. C (A C | B) D specifies the language { C A C D , C B D }.

Is above statement is true or false ?

(A) True
(B) False

6. NFA recognizes a text string if and only if there is some sequence of transitions that scans all the text characters and ends in the accept state when started at the beginning of the text in state 0

(A) True
(B) False

7. Building the NFA corresponding to an M-character RE takes time and space proportional to M in the worst case.

A) True

B) False

8. The origin of regular expression pattern matching is the Unix command grep , which prints all lines matching a given RE.

A) True

B) False