

Mini Quiz 2

Name: _____

Kerberos: _____

Q: Consider the language of strings defined by this regular expression:

$$(10)^* 01 (10)^* (0|1)$$

Which of the following strings are accepted by this expression?

- 10011 – YES
- 0110101 – YES
- 01 – NO
- 1010010 – YES
- 10011001 – NO

Q: Give a regular expression which accepts the language of all binary strings which end in 0 and whose length is a positive multiple of 3

$$((0|1)(0|1)(0|1))^*(0|1)(0|1)0$$

Q: Assume you're given a NFA that accepts regular expressions from a language r (with starting state R_0 and accept state R_1) Draw an NFA that accepts strings $0(1|r)^*$

