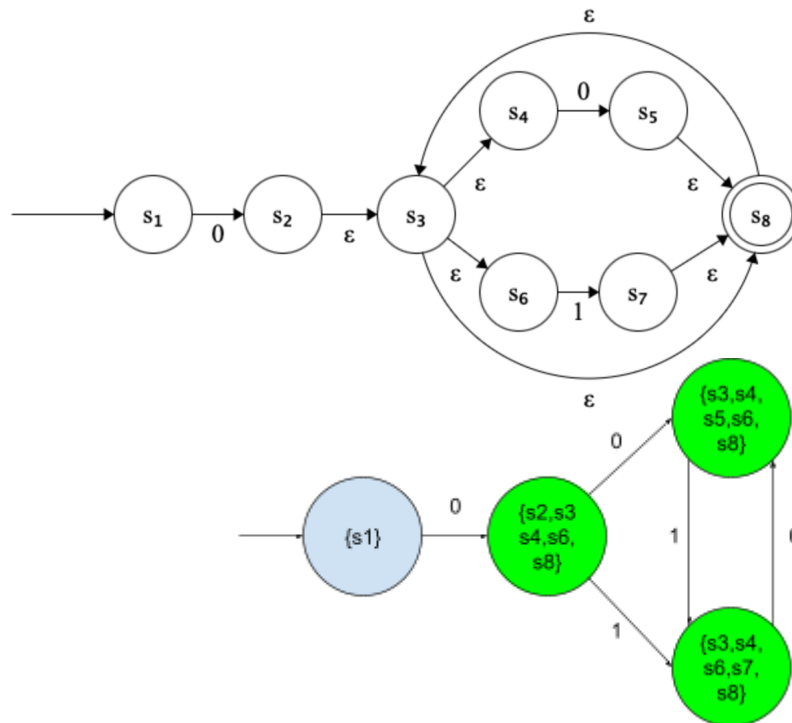


# Mini Quiz 3

Name: \_\_\_\_\_

Kerberos: \_\_\_\_\_

Q: Draw a DFA that accepts the same language as the following NFA:



Q: Consider the language on the left (with start symbol  $E$ ), which does not have any explicit precedence rules. Draw out two different parse trees for the expression  $1 + 2 * (3 + 4)$

$E ::= E \text{ OP } E \mid (E) \mid I$   
 $\text{OP} ::= + \mid *$   
 $I ::= 1 \mid 2 \mid 3 \mid 4$

