Java Function:

checkString(String givenStr, String checkStr)

Strings:

givenStr – should contain this string

checkStr – user input string
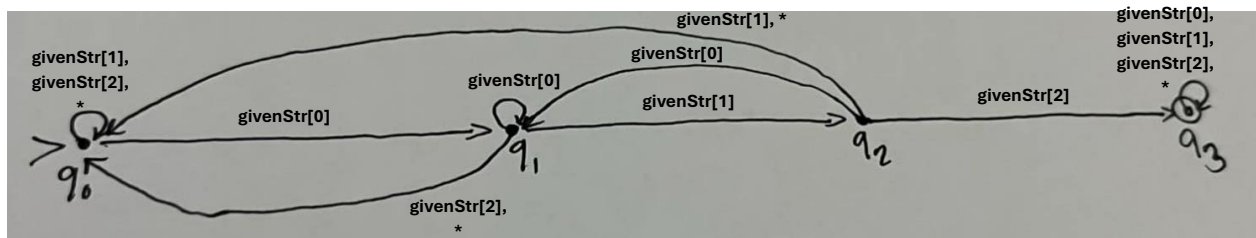
States:

State[0] = givenStr[0]

State[1] = givenStr[1]

State[2] = givenStr[2]

DFA:

Transition Table:

State	givenStr[0]	givenStr[1]	givenStr[2]	* (other char)
q0	q1	q0	q0	q0
q1	q1	q2	q0	q0
q2	q1	q0	q3	q0
q3	q3	q3	q3	q3