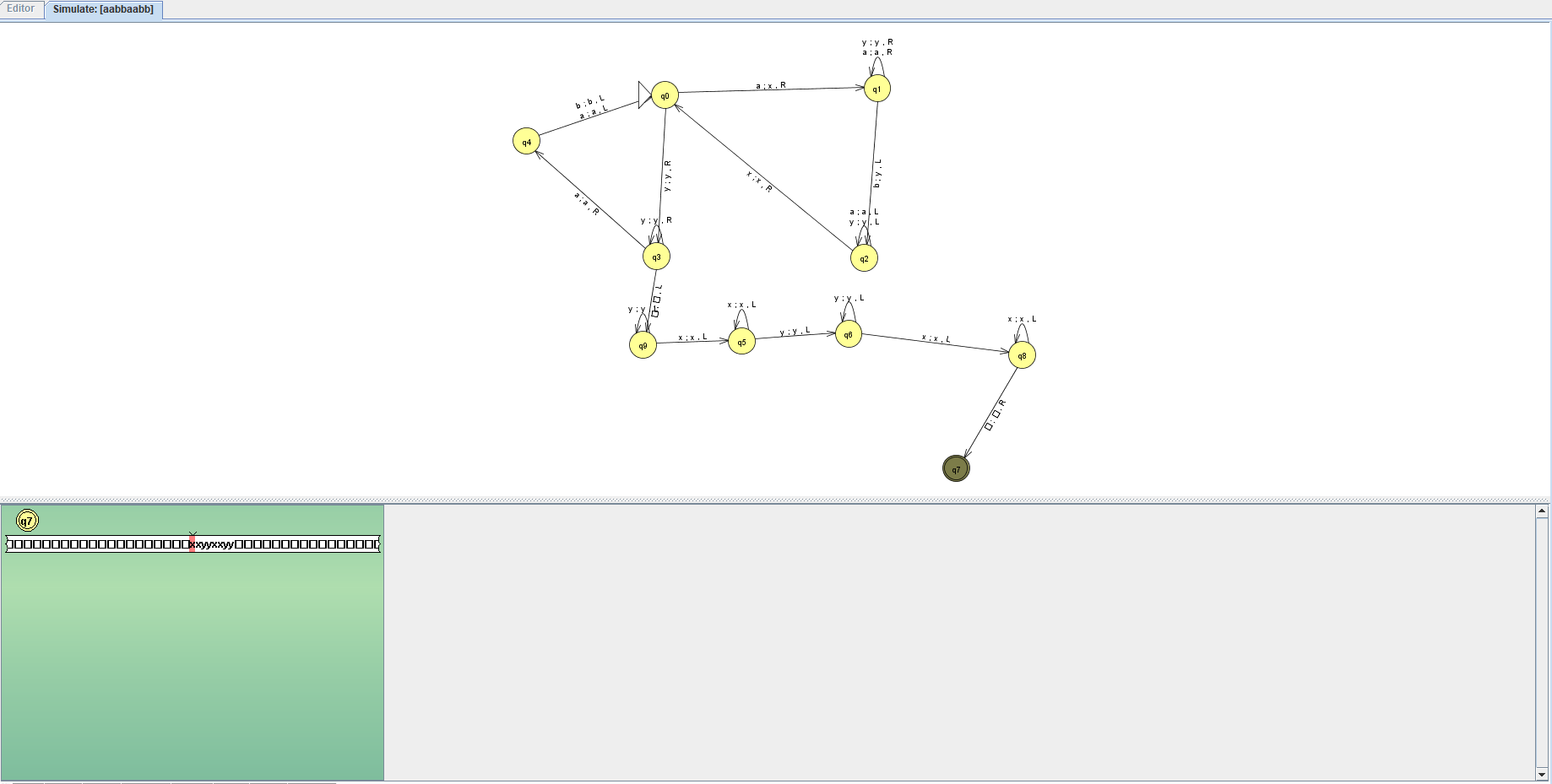
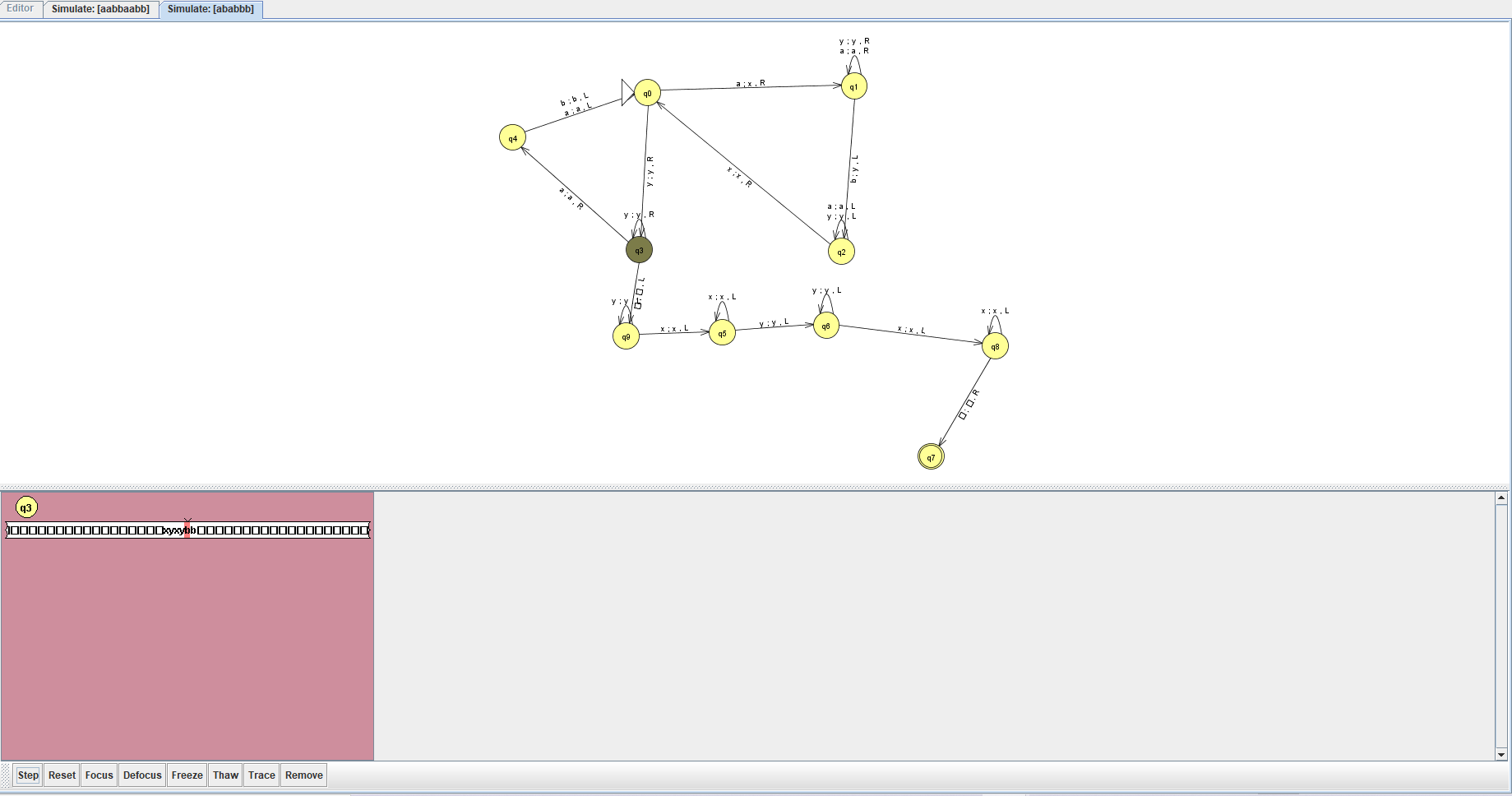
Problem#1)

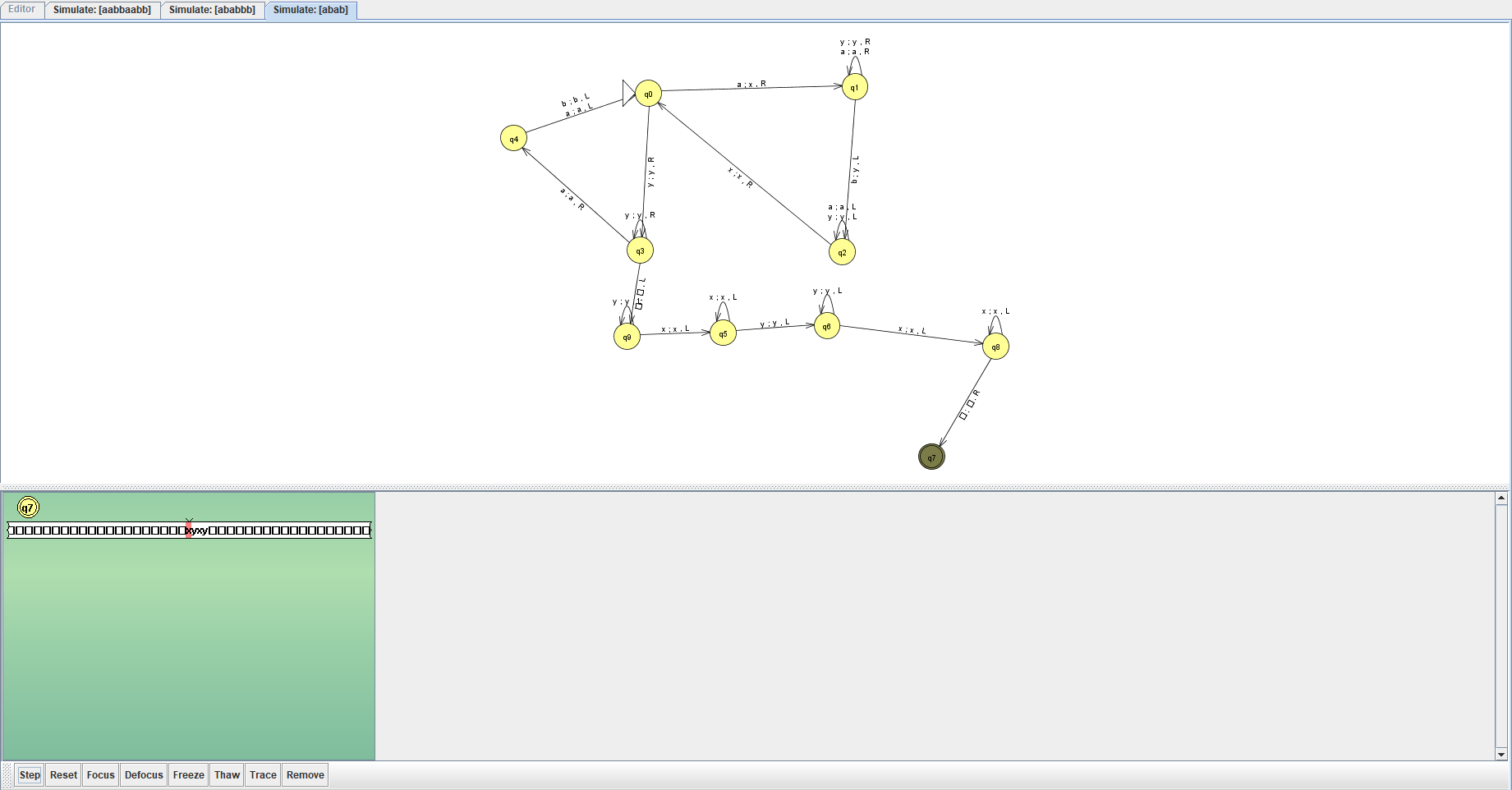
‘aabbaabb’



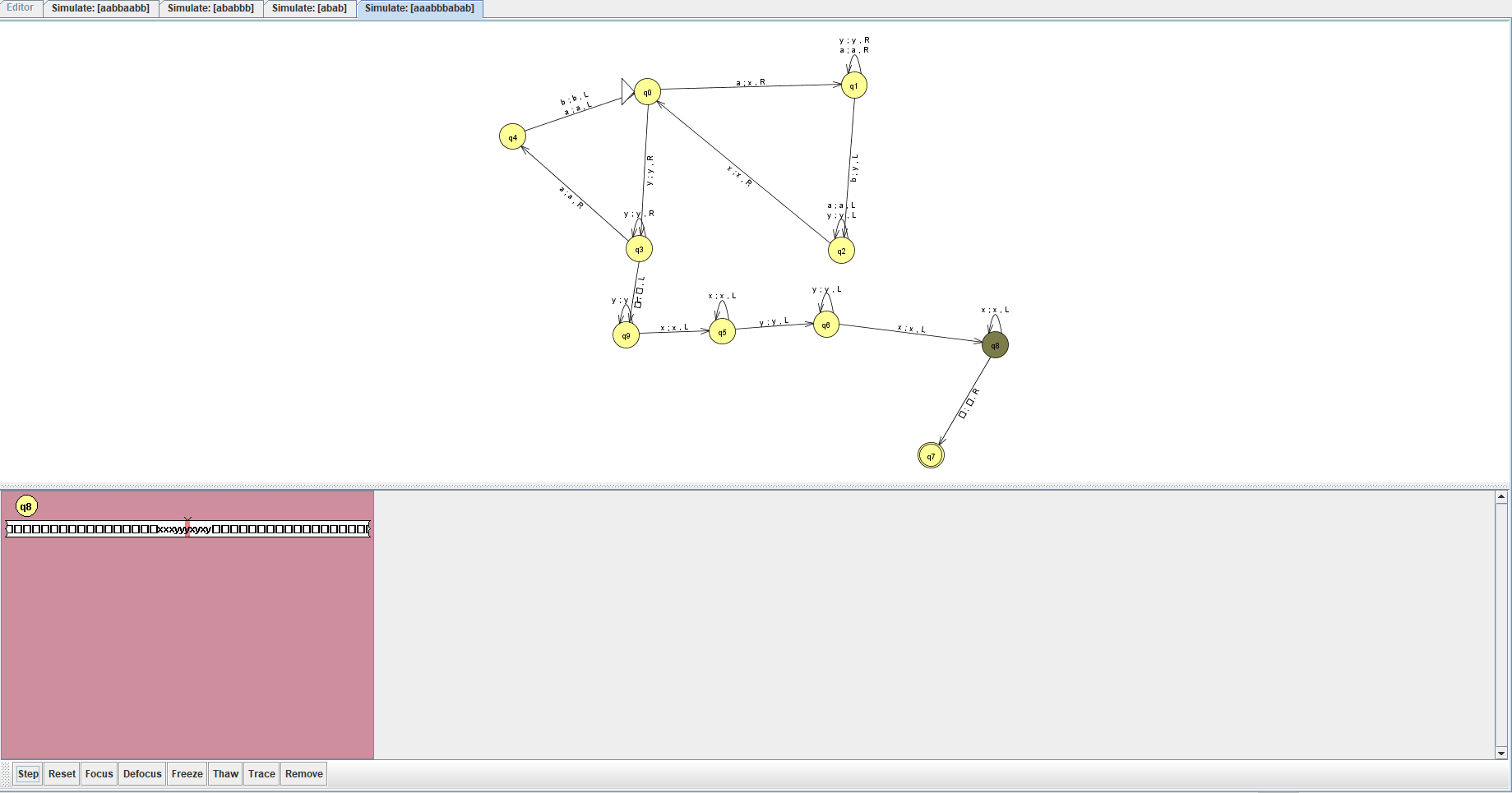
‘ababbb’



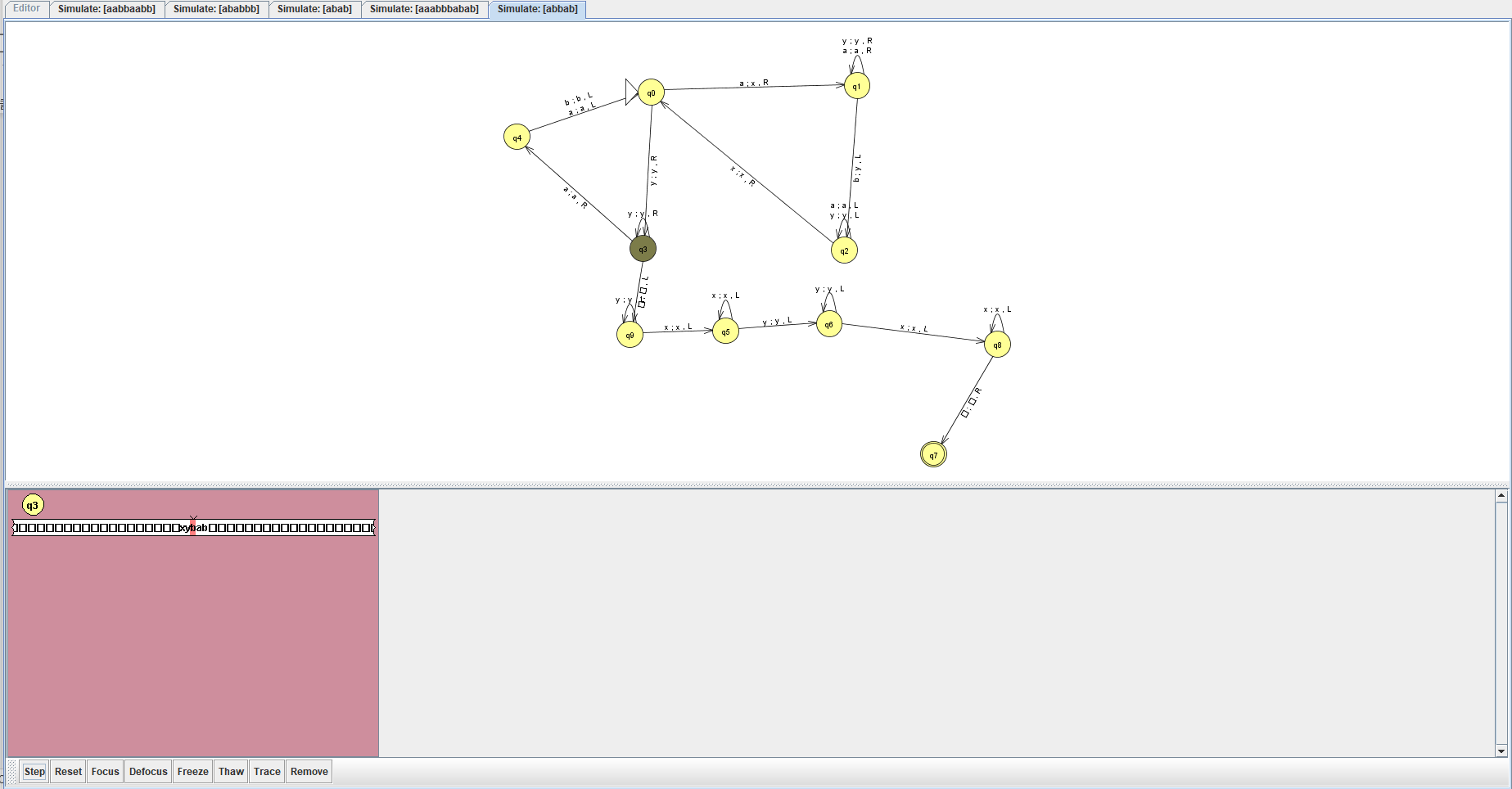
‘abab’



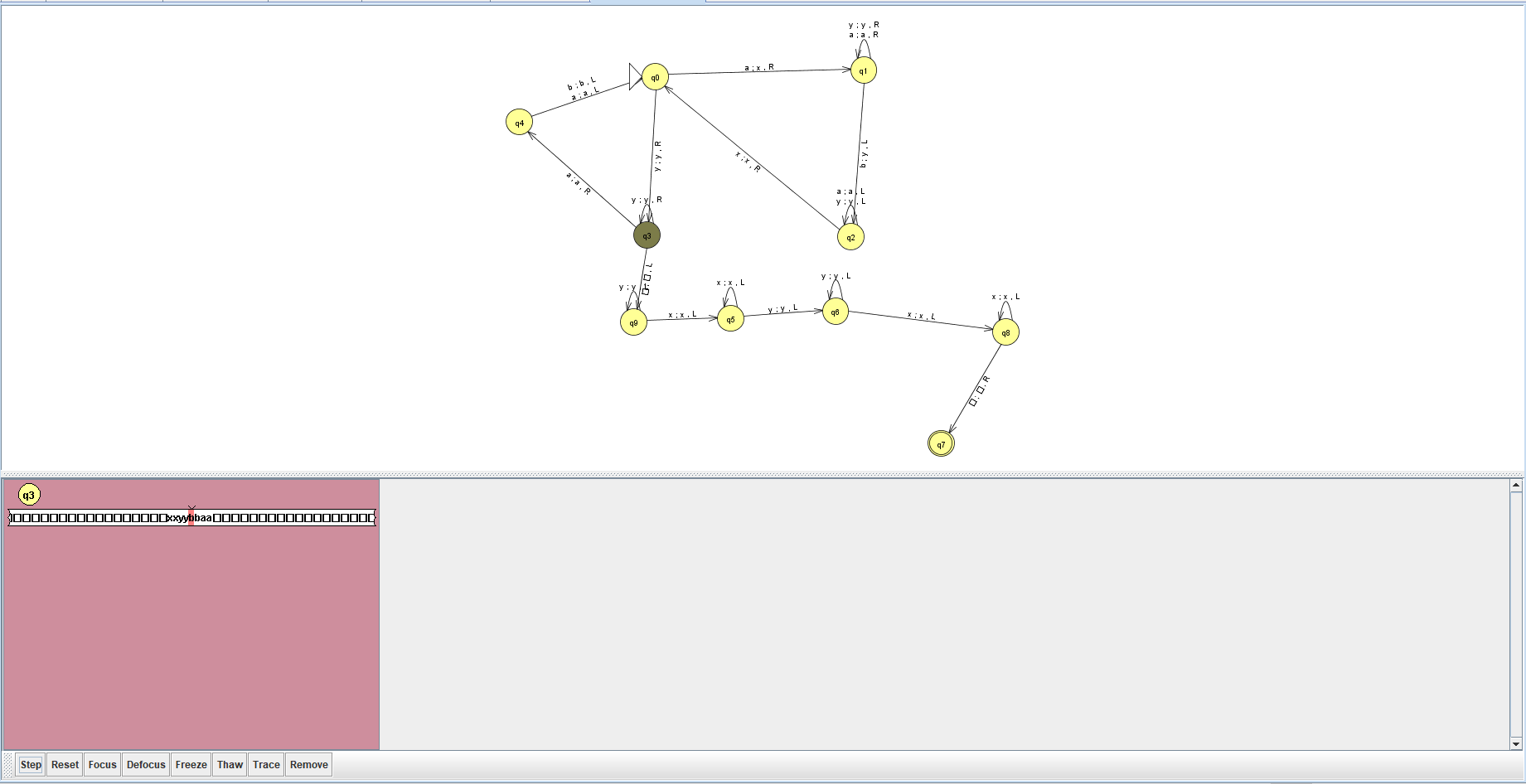
‘aaabbbabab’



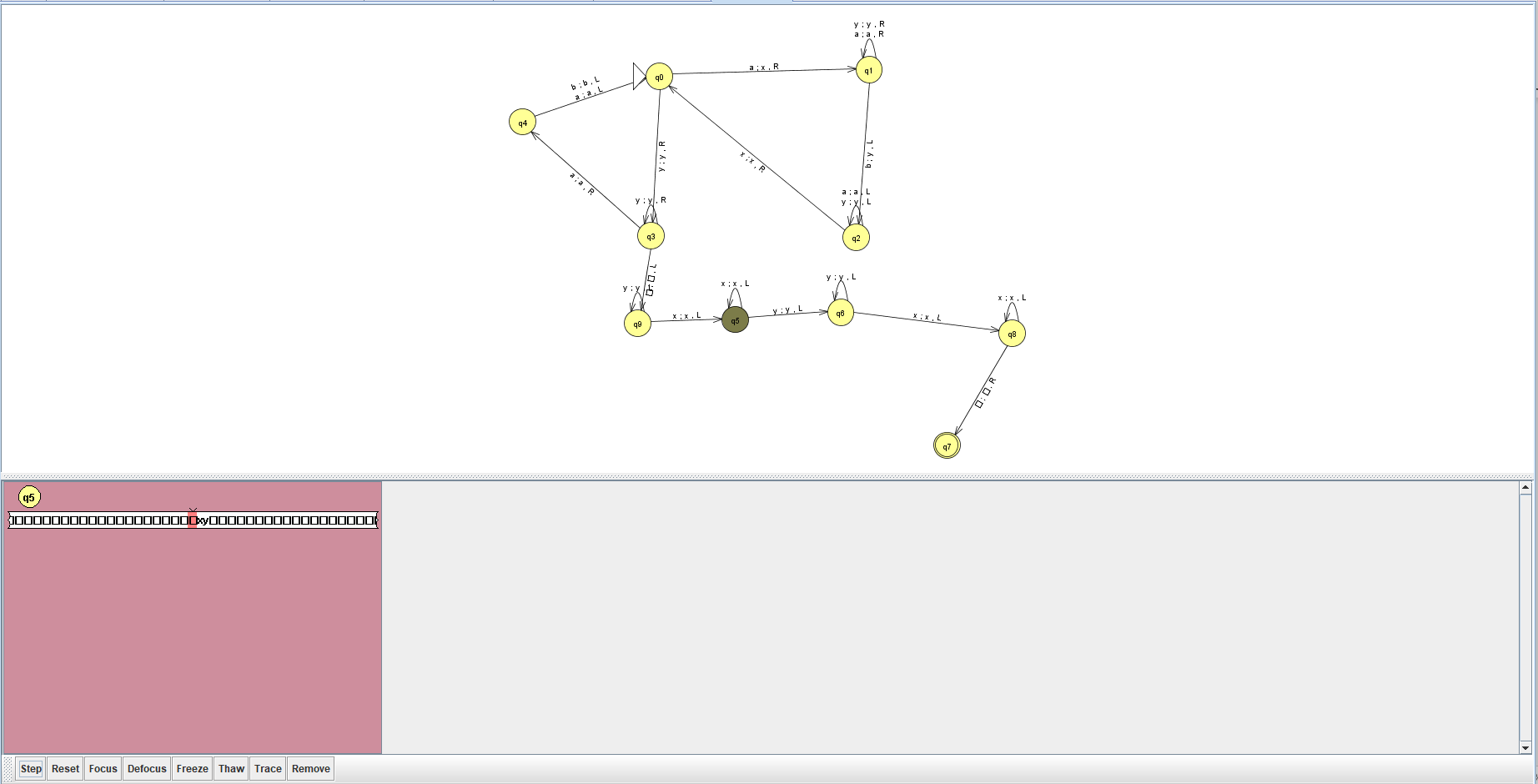
‘abbab’



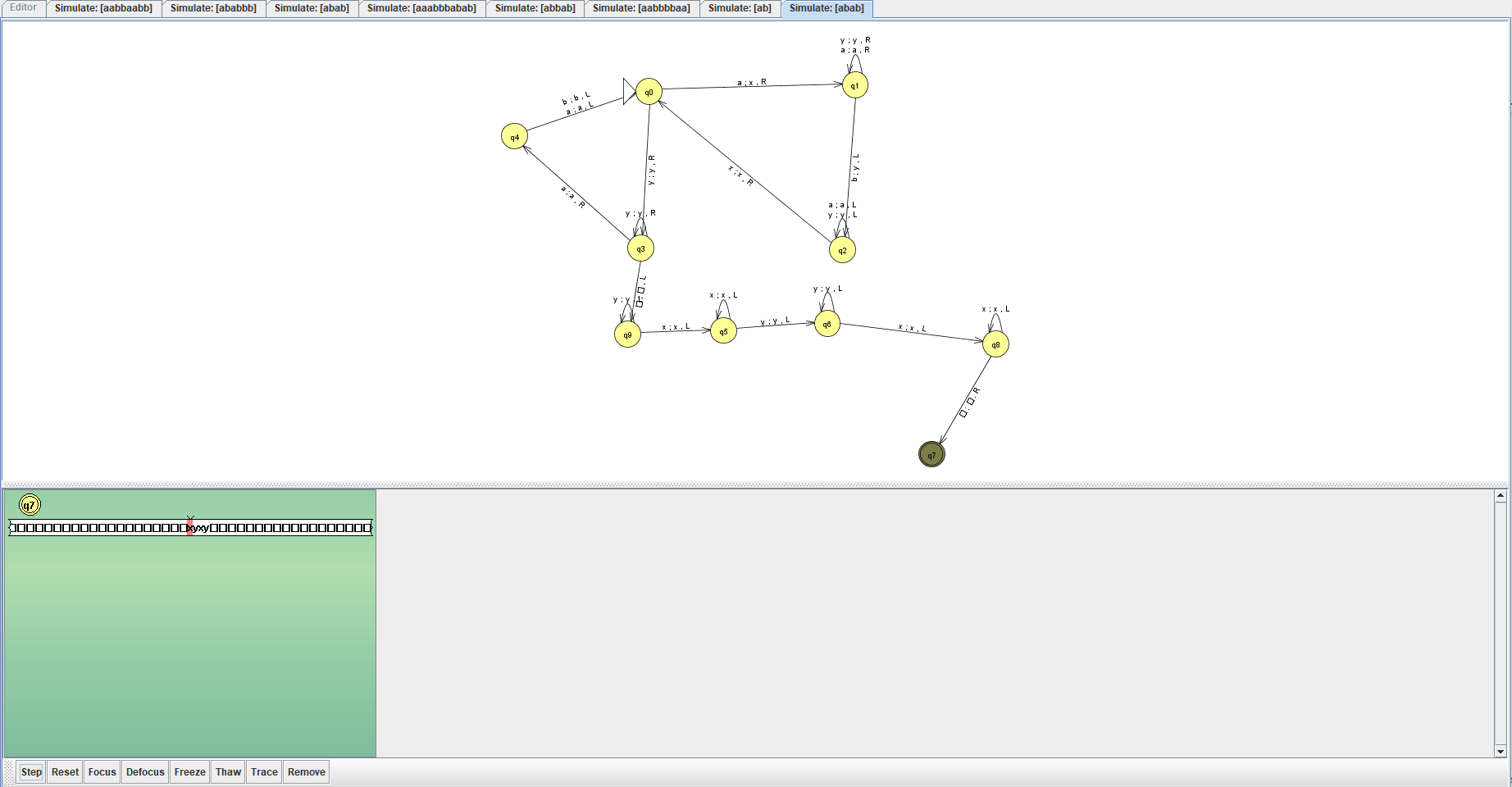
‘aabbbbaa’



‘ab’

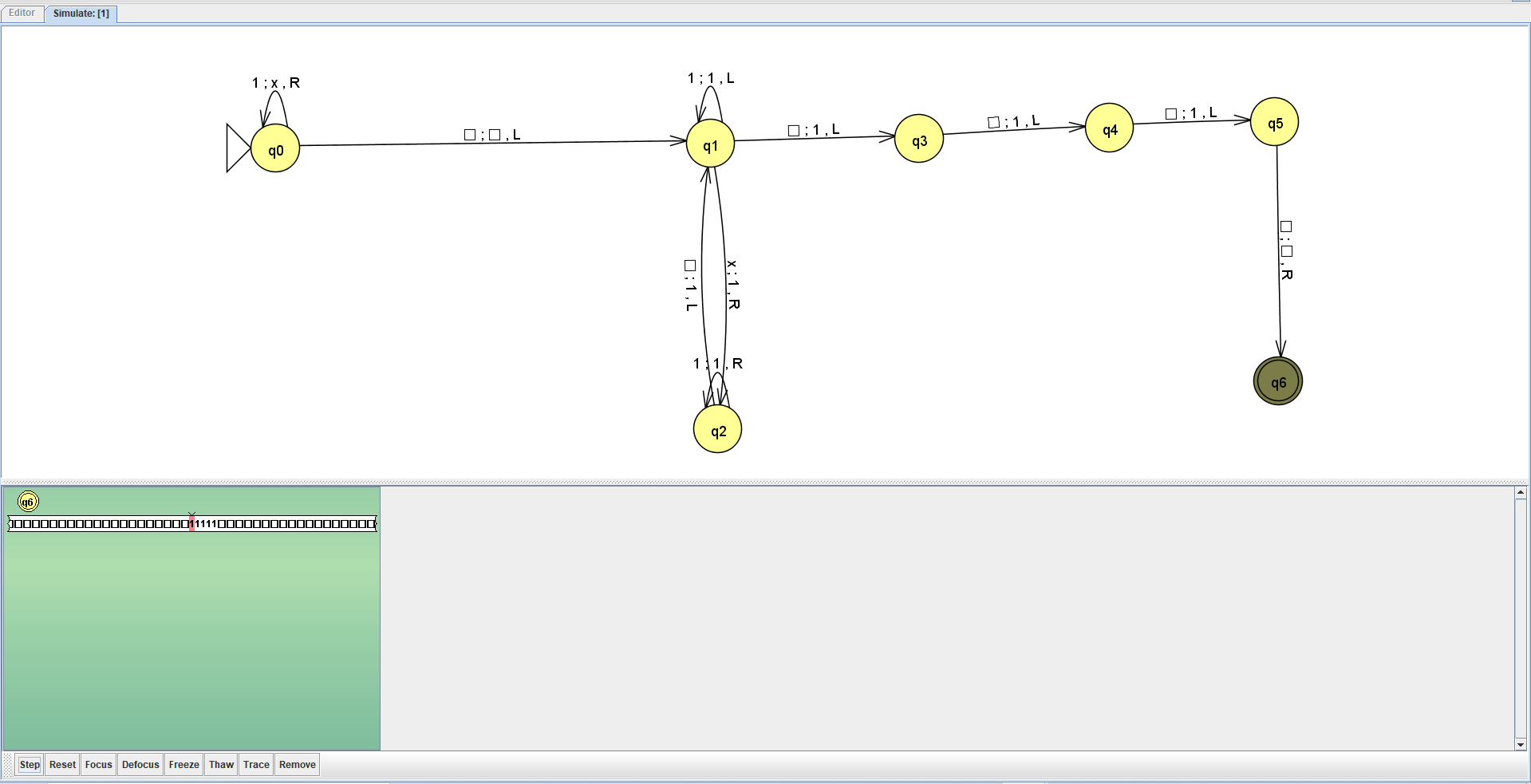


‘abab’

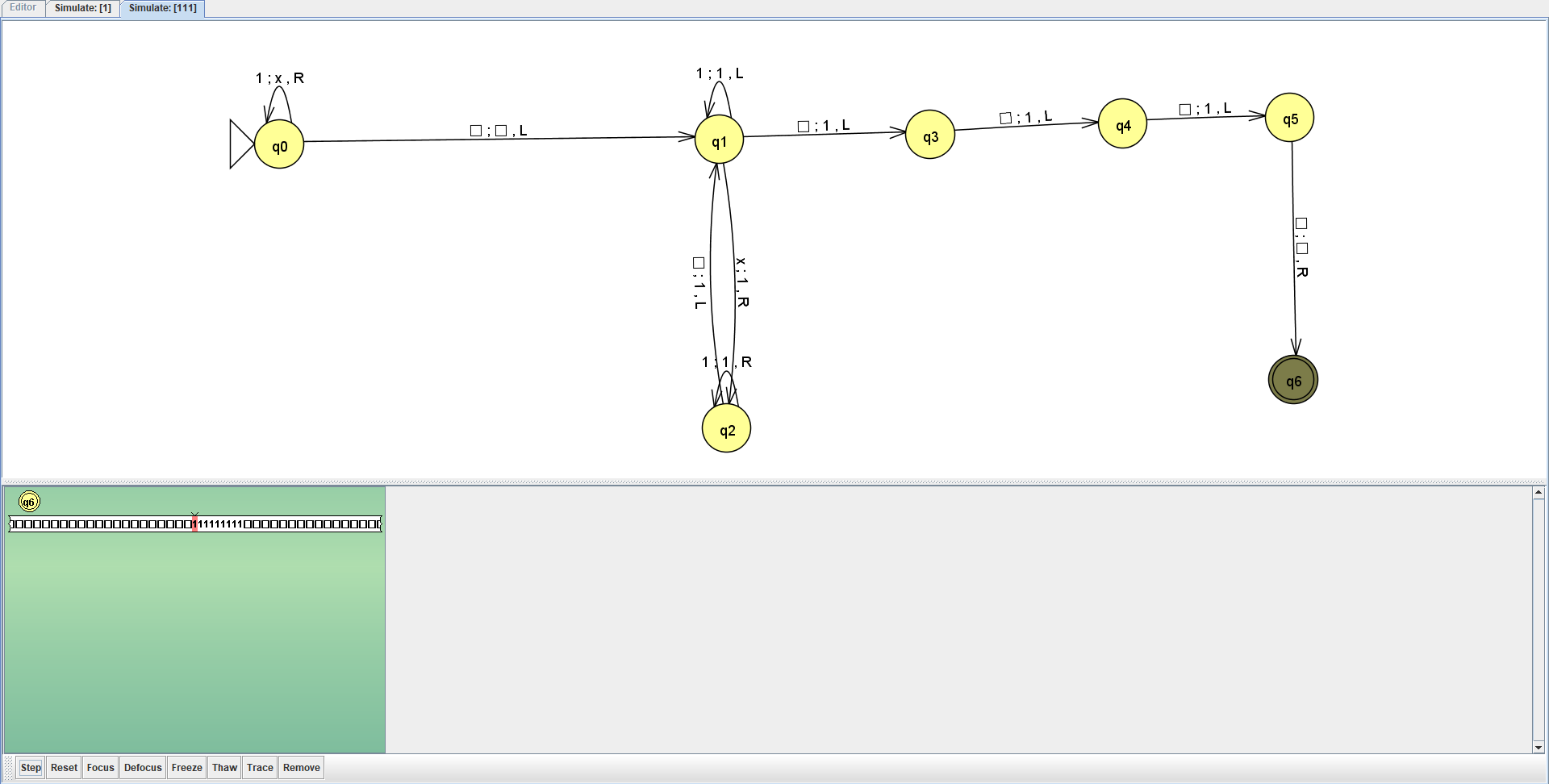


Problem#2)

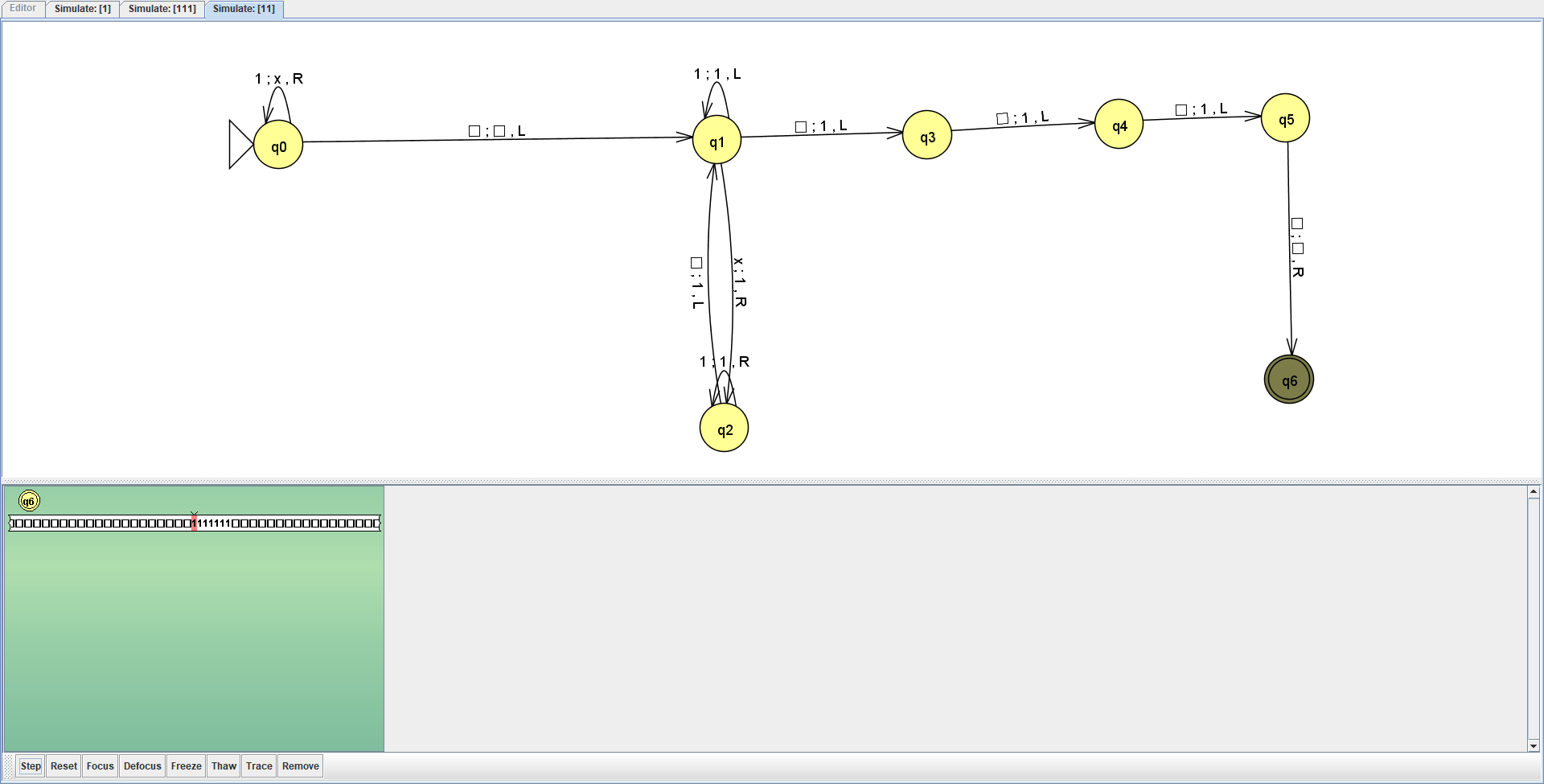
1(1 in unary), f(1) = 5 (11111 in unary)



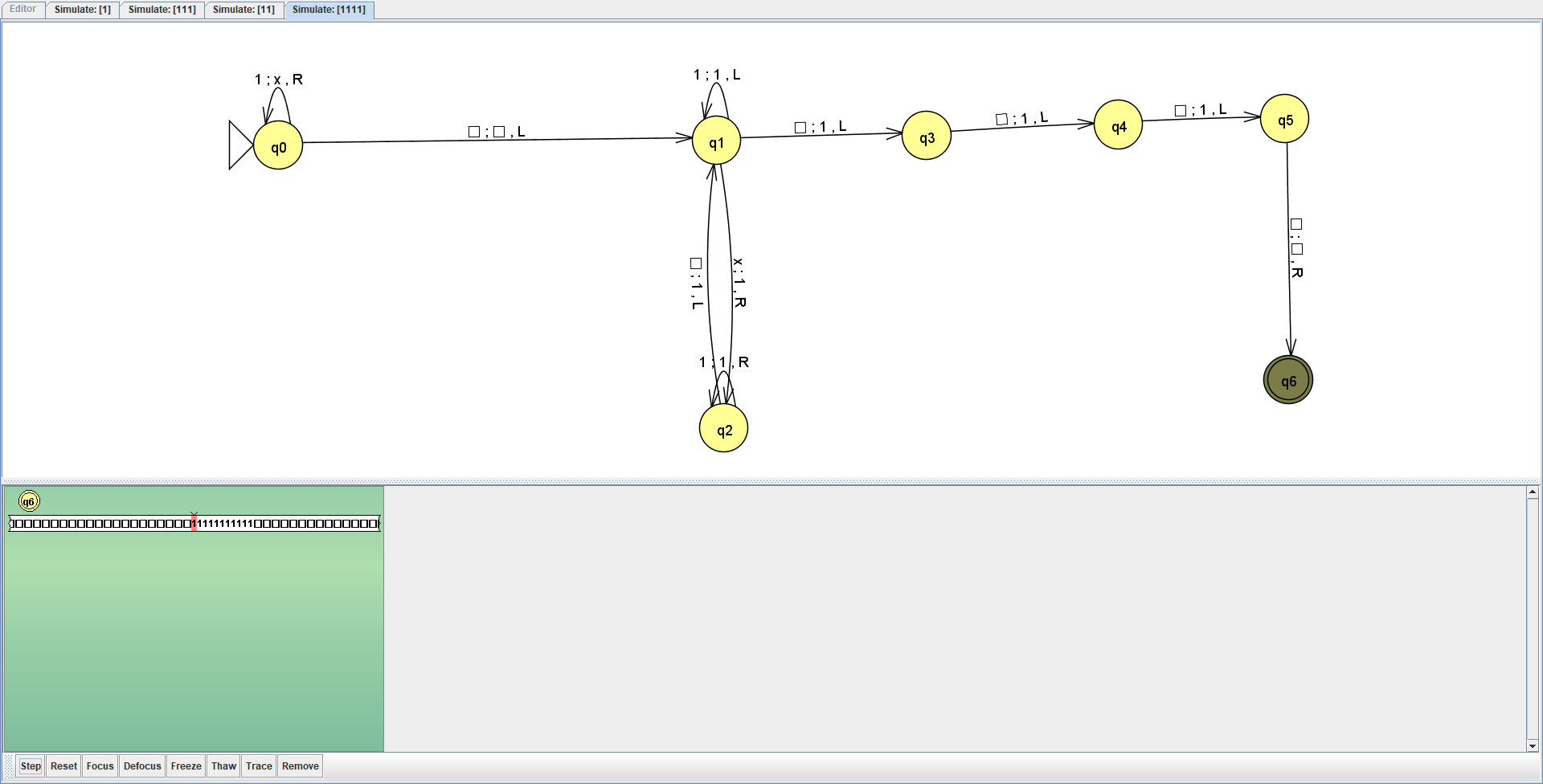
3(111 in unary), f(3) = 9 (111111111 in unary)



2(11 in unary), f(2) = 7 (1111111 in unary)

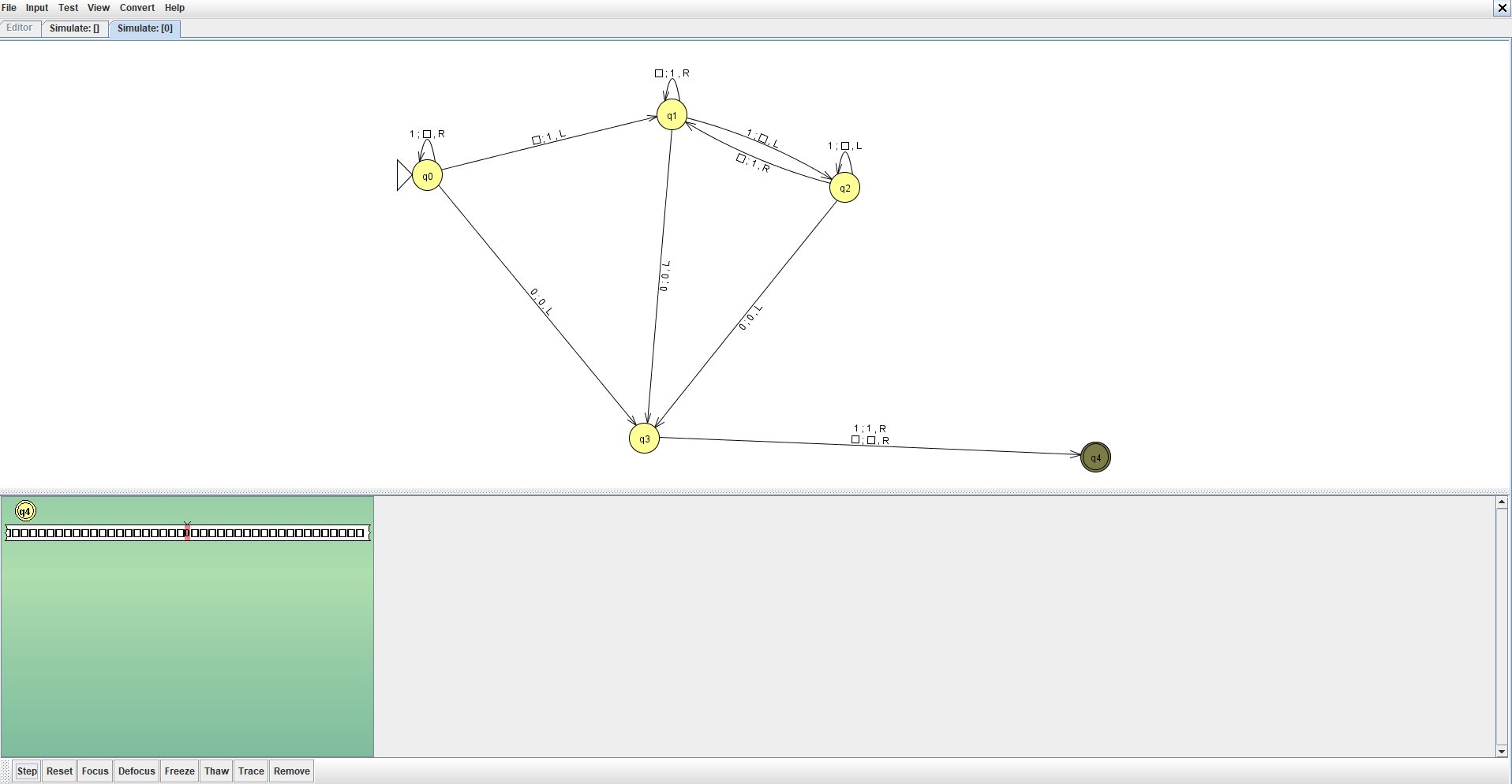


4(1111 in unary), f(4) = 11 (11111111111 in unary)



Problem#3)

0



Blank, It goes to infinite loop.

