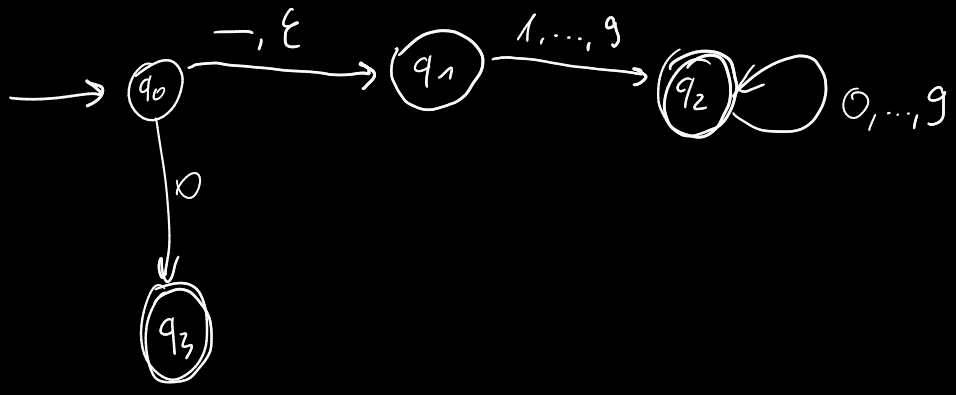
IREVFR1 2024-10-23

$L = \{0, 1, -1, 2, -2, 3, -3, \dots, 123, -123, 999, -999, \dots\}$

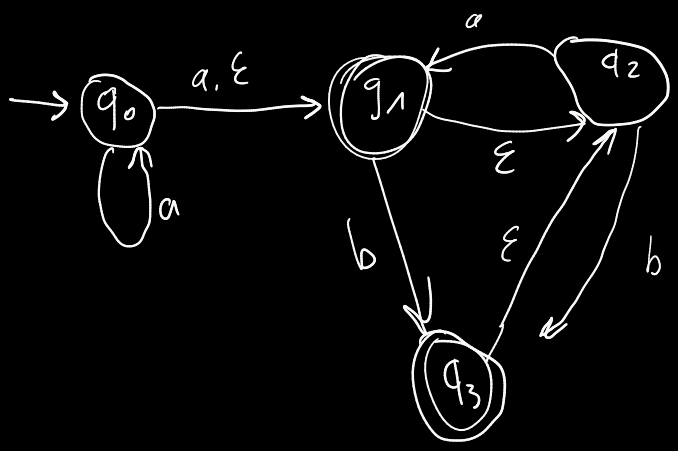
$\Sigma = \{-, 0, 1, \dots, 9\}$

ε-NFA



N.

ε-NFA $\Rightarrow$ NFA

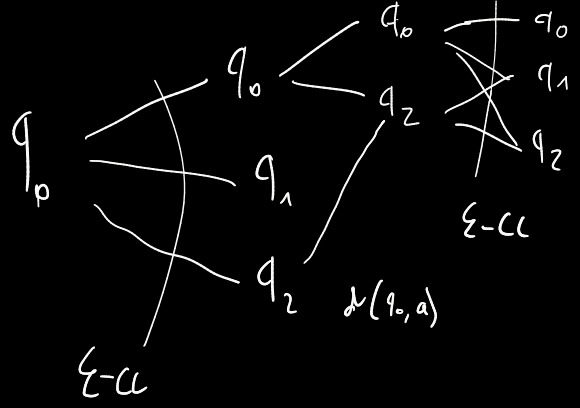


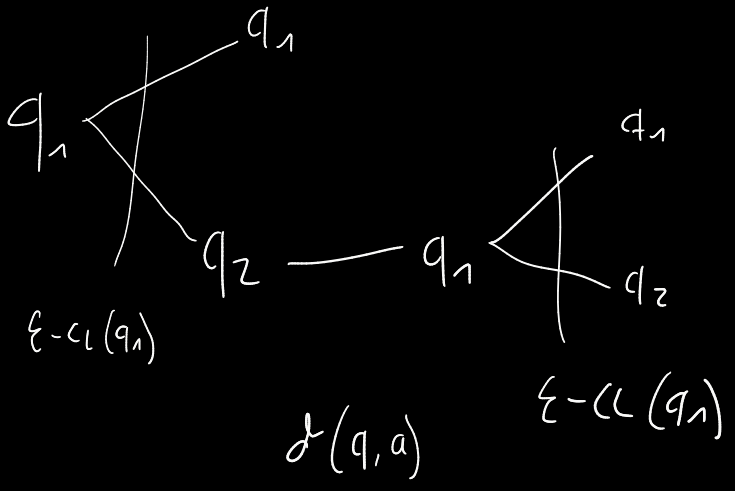
stanja, dosegljiva le preko ε prehodov, vedno vsebuje stanje samo: 0 ε prehodov

$(\varepsilon\text{ ovojnica})(q_0) = \{q_0, q_1, q_2\}$

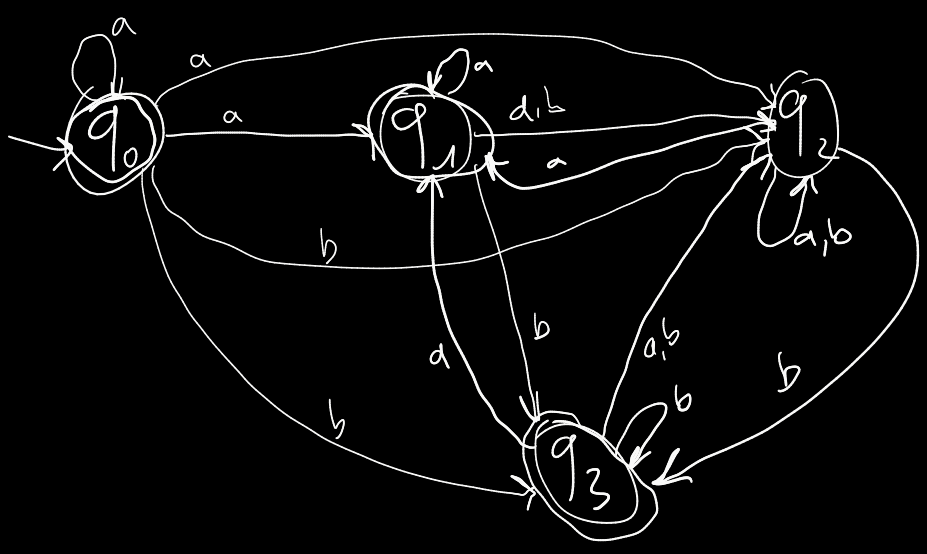
označena ε-CL(q)

q	ε-CL(q)	$\delta(q, a)$	$\delta(q, b)$	$\delta_{NFA}(q, a)$	$\delta_{NFA}(q, b)$
0	0 1 2	0 1	X	0 1 2	2 3
1	1 2	X	3	1 2	2 3
2	2	1	3	1 2	2 3
3	3 2	X	X	1 2	2 3



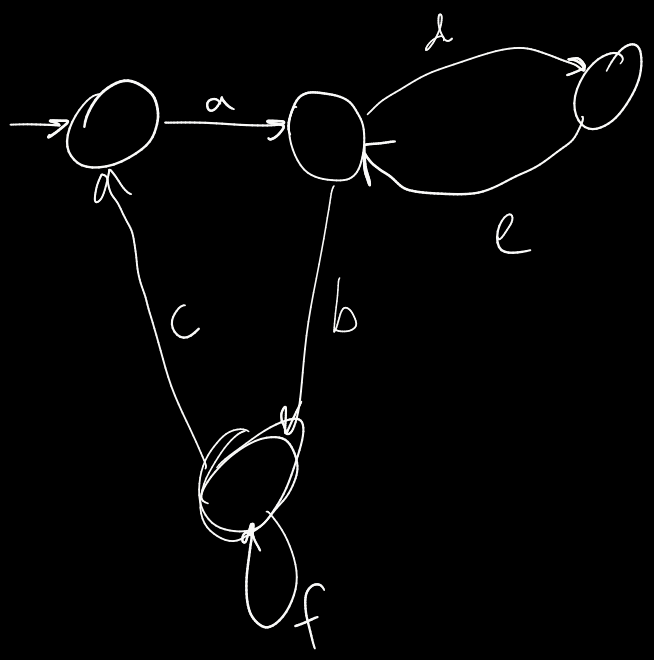


Naredimo NEA:



KONČNA STANJA NEA SO POLEG KONČNIH STANJ IZ ε-NKA SE tista, ki imajo ε-prehode v končna stanja $\longrightarrow$ tu še q_0.

N



$$a(de)^* bf^* (\epsilon \; a(de)^* bf^*)^*$$

N

$$((abb)^* + ba(ba)^*(a+\varepsilon))^*$$

$$\| $$

$$(abb + ba(ba)^* a + ba(ba)^*)^*$$

$$\| $$

$$(abb + baa + baaa)^*$$