BİÇİMSEL DİLLER VE OTOMATA

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Doğan

Problem 2.2.g

(sol)

$K = \{q_0, q_1\}$
$\Sigma = \{a, b\}$
$\delta = q_0$
$F = \{q_1\}$

q	σ	$\delta(q, \sigma)$
q_0	a	q_0
q_0	b	q_1
q_1	a	q_1
q_1	b	q_1

(sağ)

$K = \{q_0, q_1, q_2, q_3, q_4, q_5\}$
$\Sigma = \{a, b\}$
$\delta = q_0$
$F = \{q_0\}$

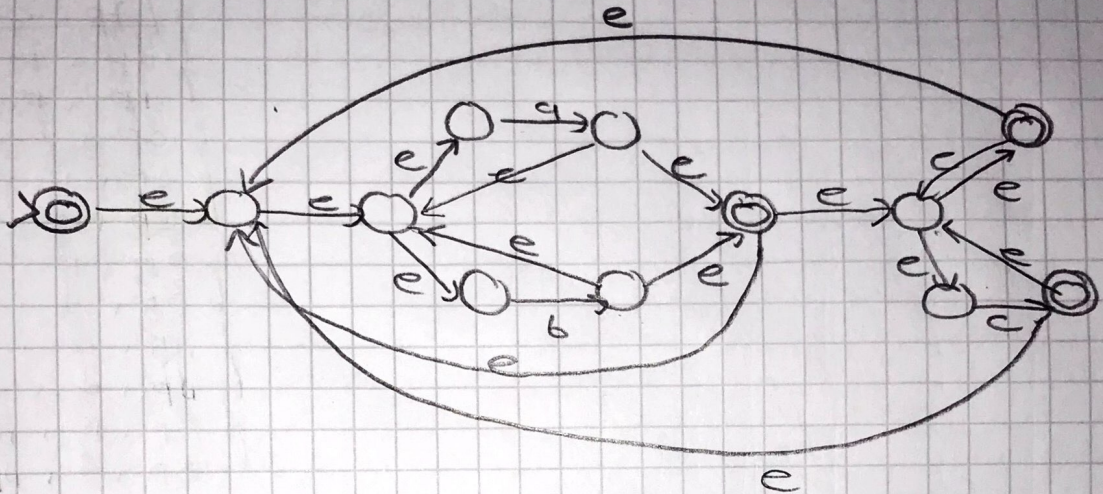| q	σ	$\delta(q, \sigma)$
q_0	a	q_3
q_0	b	q_1
q_1	a	q_5
q_1	b	q_2
q_2	a	q_0
q_2	b	q_5
q_3	a	q_4
q_3	b	q_5
q_4	a	q_5
q_4	b	q_0
q_5	a	q_5
q_5	b	q_5

Problem 2.2.6
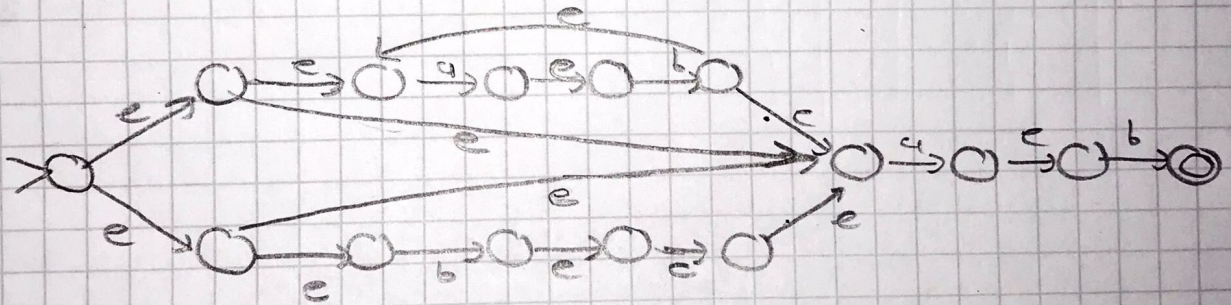
Problem 2.3.4

(a)
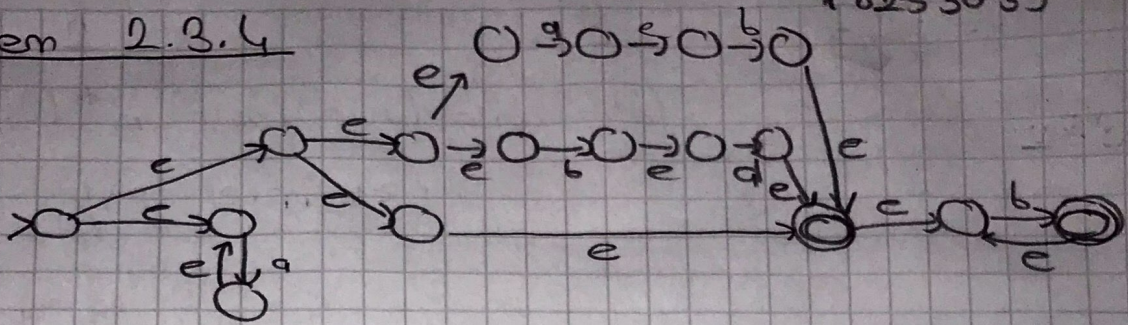
(b)

(c)

Problem 2.3.7

(a) $a^* b (ba^* b \cup a)^*$

(b) $((a \cup b)(a \cup b))^*$

(c) $(a \cup b)^* aba (a \cup b)^*$

(d) $(a \cup \emptyset^*) (ba^* a)^* b (b \cup a)^*$