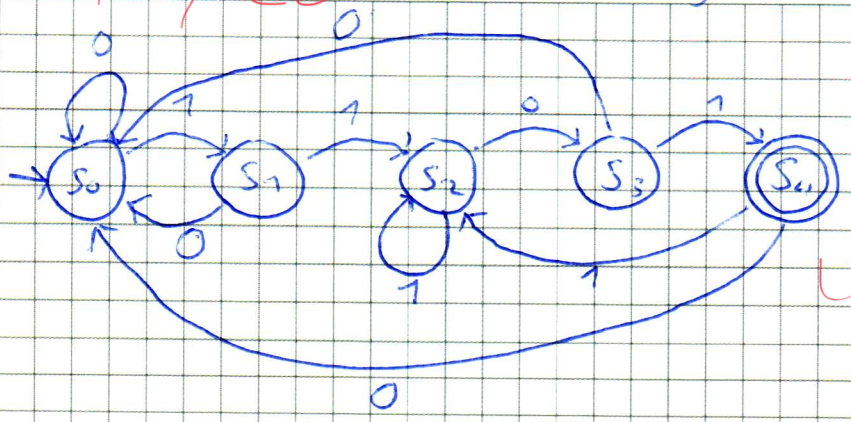
12/20

4337015 Victor Maier



1. 6/6
2. 0/8
3. 6/6

$M = (Q, \Sigma, \delta, q_0, F)$

$Q := \{S_0, \dots, S_4\}$

$\Sigma := \{0, 1\}$

$q_0 = S_0$

$F := \{S_4\}$

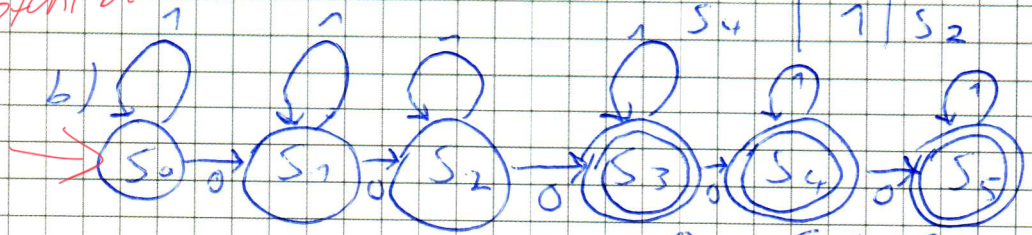
δ:

Q	Σ	→ Q
S_0	0	S_0
S_0	1	S_1
S_1	0	S_0
S_1	1	S_2
S_2	0	S_3
S_2	1	S_2
S_3	0	S_0
S_3	1	S_4
S_4	0	S_0
S_4	1	S_2

2/2

Start zustand kennzeichnen

b)



$M = (Q, \Sigma, \delta, q_0, F)$

$Q := \{S_0 \dots S_5\}$

$\Sigma := \{0, 1\}$

$q_0 = S_0$

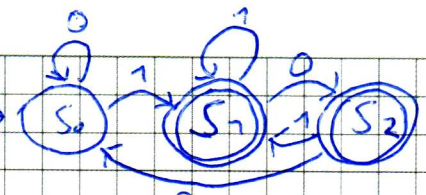
$F := \{S_3, \dots S_5\}$

δ:

Q	Σ	→ Q
S_0	0	S_1
S_0	1	S_0
S_1	0	S_2
S_1	1	S_1
S_2	0	S_3
S_2	1	S_2
S_3	0	S_4
S_3	1	S_3
S_4	0	S_5
S_4	1	S_4
S_5	1	S_5

2/2

c)



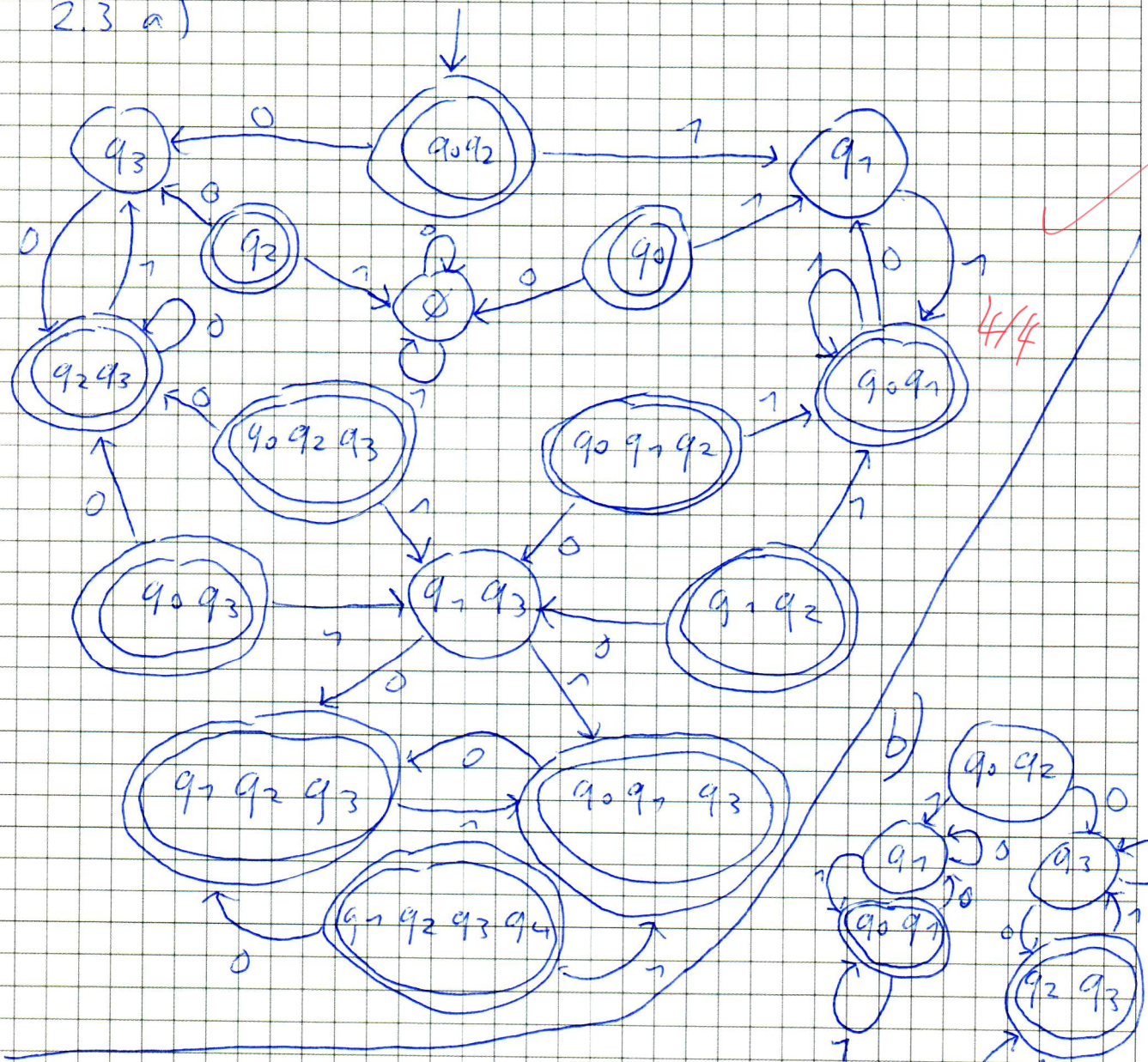
$M = (\{S_0, S_1, S_2\}, \{0,1\}, \delta, S_0, \{S_1, S_2\})$

δ:

Q	Σ	→ Q
S_0	0	S_0
S_0	1	S_1
S_1	0	S_2
S_1	1	S_1
S_2	0	S_0
S_2	1	S_1

2/2

2.3 a)



4/4

b)

2/2