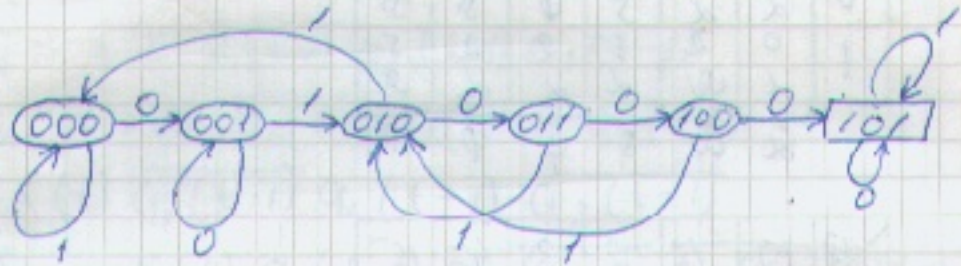


Задача N1.

$8 = 01000$



A \ Q	000	001	010	011	100	101
0	001	001	011	100	101	101
1	000	010	000	010	010	101
SM	0	0	0	0	0	1

Задача N2.

1)

A \ Q	0	1	2	3	4	5
0	0	1	0	0	0	1
1	0	0	0	0	0	1

3)

A \ Q	0	1	2	3	4	5
0	x	x	x	x	x	x
1	x	x	x	x	x	x

2)

A \ Q	0	1	2	3	4	5
0	x	x	x	x	x	x
1	x	x	x	x	x	x

4)

A \ Q	0	1	2	3	4	5
0	x	x	x	x	x	x
1	x	x	x	x	x	x

5)

A \ Q	0	1	2	3	4	5
0	1	1	3	4	5	5
1	2	2	5	ψ	β	β
	0	2	0	2	2	5
	α	ω	α	α	α	β
			5	ψ	ψ	β

A \ Q	0	1	2	3	4	5
0	α	α	5	ψ	β	β
1	0	0	0	0	0	1
	0	ω	α	α	α	β
	0	0	0	0	0	1

Задача 3

A \ Q	000	001	010	011	100	101
0	001	001	011	100	101	101
1	000	010	000	010	010	101
	0	0	0	0	0	1

X \ Q	0	1
00	0	1
01	1	1
10	0	0
11	-	-

Таблица управления памятью:

X \ Q	000	001	010	011	100	101
0	00000000	00000000	00000000	01101000	00000100	00000000
1	00000000	00011000	00100000	00001010	10010000	00000000

$$y(t) = q_1(t-1) \overline{q_2(t-1)} q_3(t-1)$$

$$RS_1 = X(t) q_1(t-1) \overline{q_2(t-1)} \overline{q_3(t-1)}$$

$$RS_{12} = \overline{X(t)} \overline{q_1(t-1)} q_2(t-1) q_3(t-1)$$

$$RS_{21} = \overline{X(t)} \overline{q_1(t-1)} q_2(t-1) \overline{q_3(t-1)} \vee$$

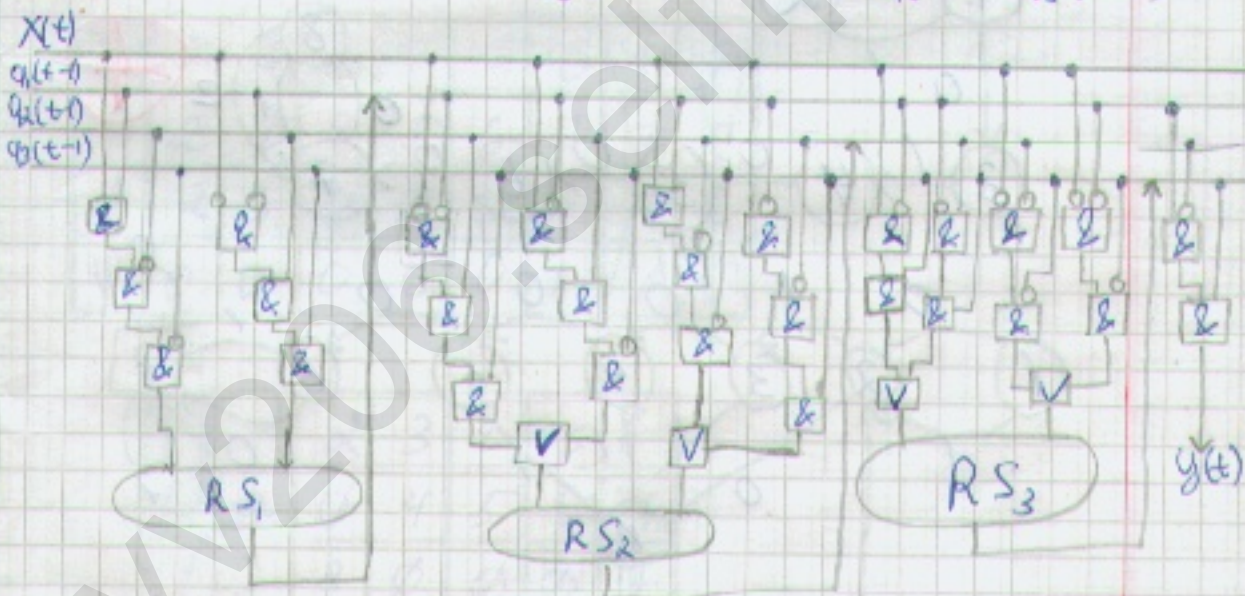
$$\vee X(t) \overline{q_1(t-1)} \overline{q_2(t-1)} \overline{q_3(t-1)}$$

$$RS_{22} = X(t) q_1(t-1) \overline{q_2(t-1)} \overline{q_3(t-1)} \vee$$

$$\vee X(t) \overline{q_1(t-1)} \overline{q_2(t-1)} q_3(t-1)$$

$$RS_{31} = X(t) \overline{q_1(t-1)} q_2(t-1) \overline{q_3(t-1)} \vee \overline{q_1(t-1)} q_2(t-1) q_3(t-1)$$

$$RS_{32} = \overline{X(t)} \overline{q_2(t-1)} \overline{q_3(t-1)} \vee X(t) q_1(t-1) q_3(t-1)$$



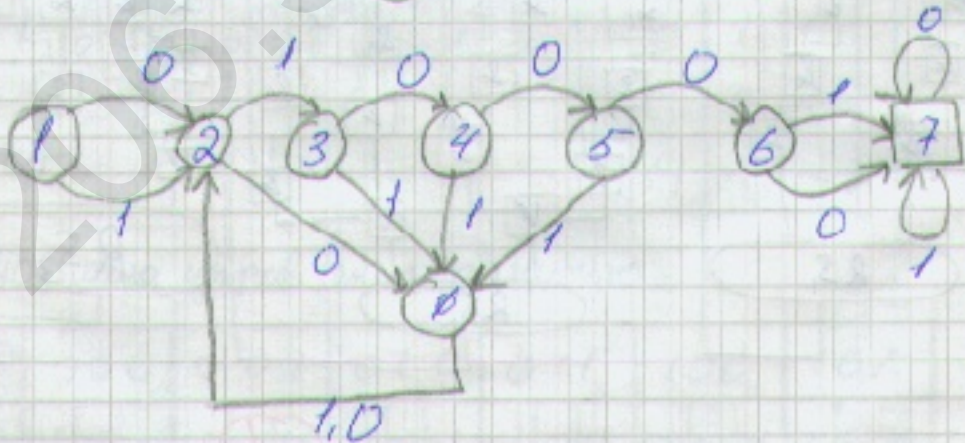
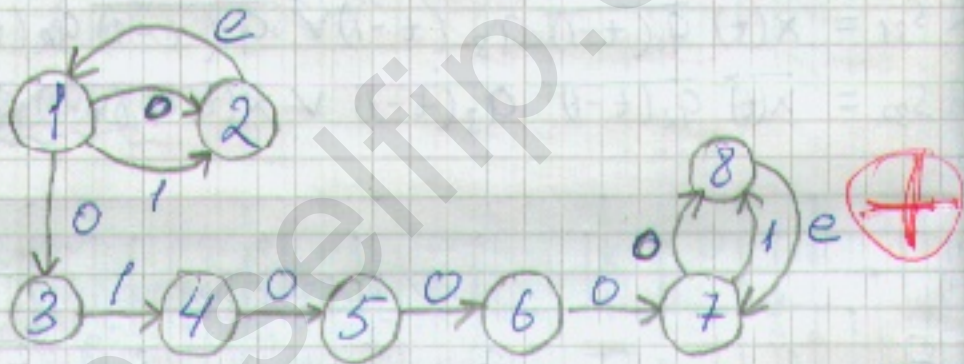
Задача 4

$$(0V1)^* 01000(0V1)^*$$



Задача 5

$$L = (0V1)^* 01000(0V1)^*$$



$\{1\}$  - замкнутый поток, соответ. начальному состоянию

① соответ  $\{1\}$

⑦ - оставшаяся вершина

③ соотв. ②

⑥ - конечная вершина

④ ~~соотв.~~ ③

② - начальная, т.е.

⑤ соотв. ④

$\{7, 8\}$  - замкнутый

⑥ соотв. ⑤

$x \backslash \varnothing$	1	2	3	4	5	6	7	$\varnothing$
0	2	$\varnothing$	4	5	6	7	7	2
1	2	3	$\varnothing$	$\varnothing$	$\varnothing$	7	7	2
$\psi$	0	0	0	0	0	1	1	0

$x \backslash \varnothing$	1	2	3	4	5	6
0	2	$\varnothing$	4	5	6	7
1	2	3	$\varnothing$	$\varnothing$	$\varnothing$	7
$\psi$	0	0	0	0	0	1