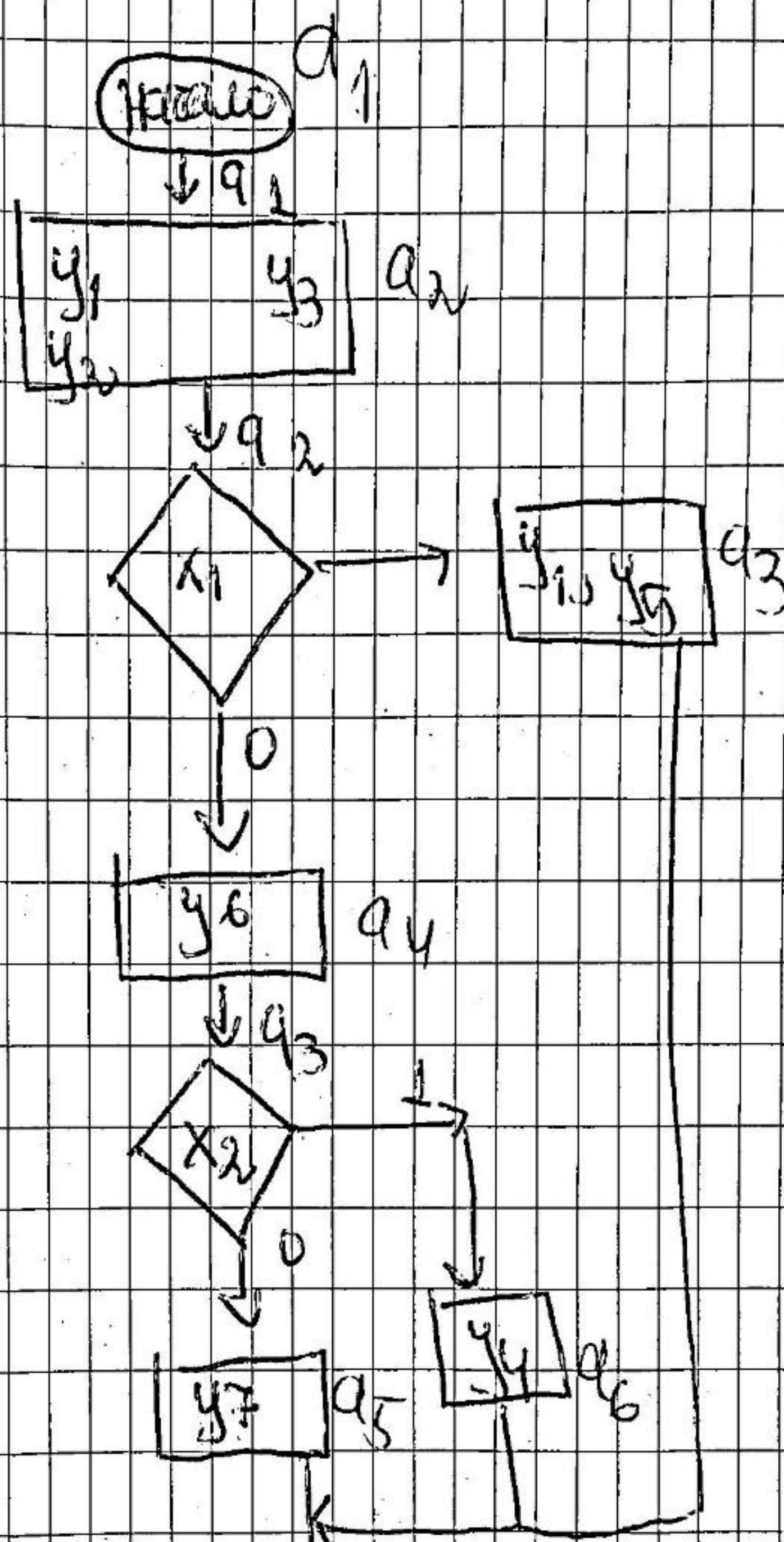
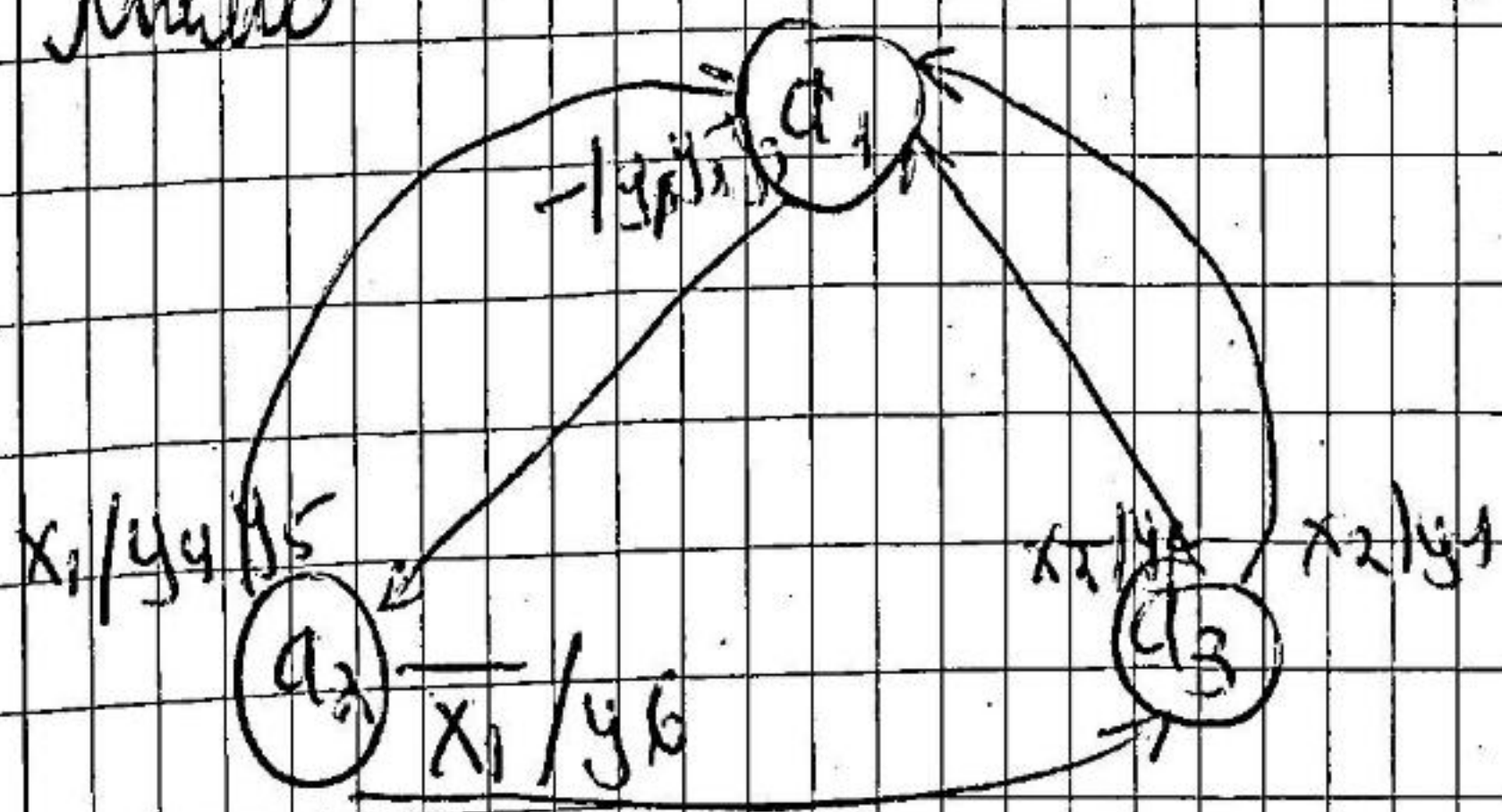


10.05.2022 XII сем. 6.4



Минус



$$Q \geq \log_2 3 \approx 1.58$$

$\rightarrow Q_1, Q_2$

JK
RS

	$Q_1 Q_2$	Q_t	Q_{t+1}	JK	RS
a_1	0 0	0	0	0x	x0
a_2	0 1	0	1	1x	01
a_3	1 0	1	0	x1	10
		1	1	x0	0x

at	Q_1	Q_2	x	y	at+1	Q_1	Q_2	RS	JK
a_1	0	0	-	y_1, y_2	a_2	0	1	01	0x
a_2	0	1	x_1	y_3, y_4	a_1	0	0	10	0x
			\bar{x}_1	y_5	a_3	1	0	10	1x
a_3	1	0	x_2	y_6	a_1	0	0	x0	x1
			\bar{x}_2	y_7	a_1	0	0	x0	x1

переменные не собирают у ч. прилета

$$y_1 = \overline{Q_1} \overline{Q_2}$$

$$y_2 = \overline{Q_1} Q_2$$

$$y_3 = Q_1 \overline{Q_2}$$

$$y_4 = \overline{Q_1} Q_2 x_1 + Q_1 \overline{Q_2} x_2$$

$$y_5 = Q_1 Q_2 x_1$$

$$y_6 = \overline{Q_1} Q_2 \bar{x}_1$$

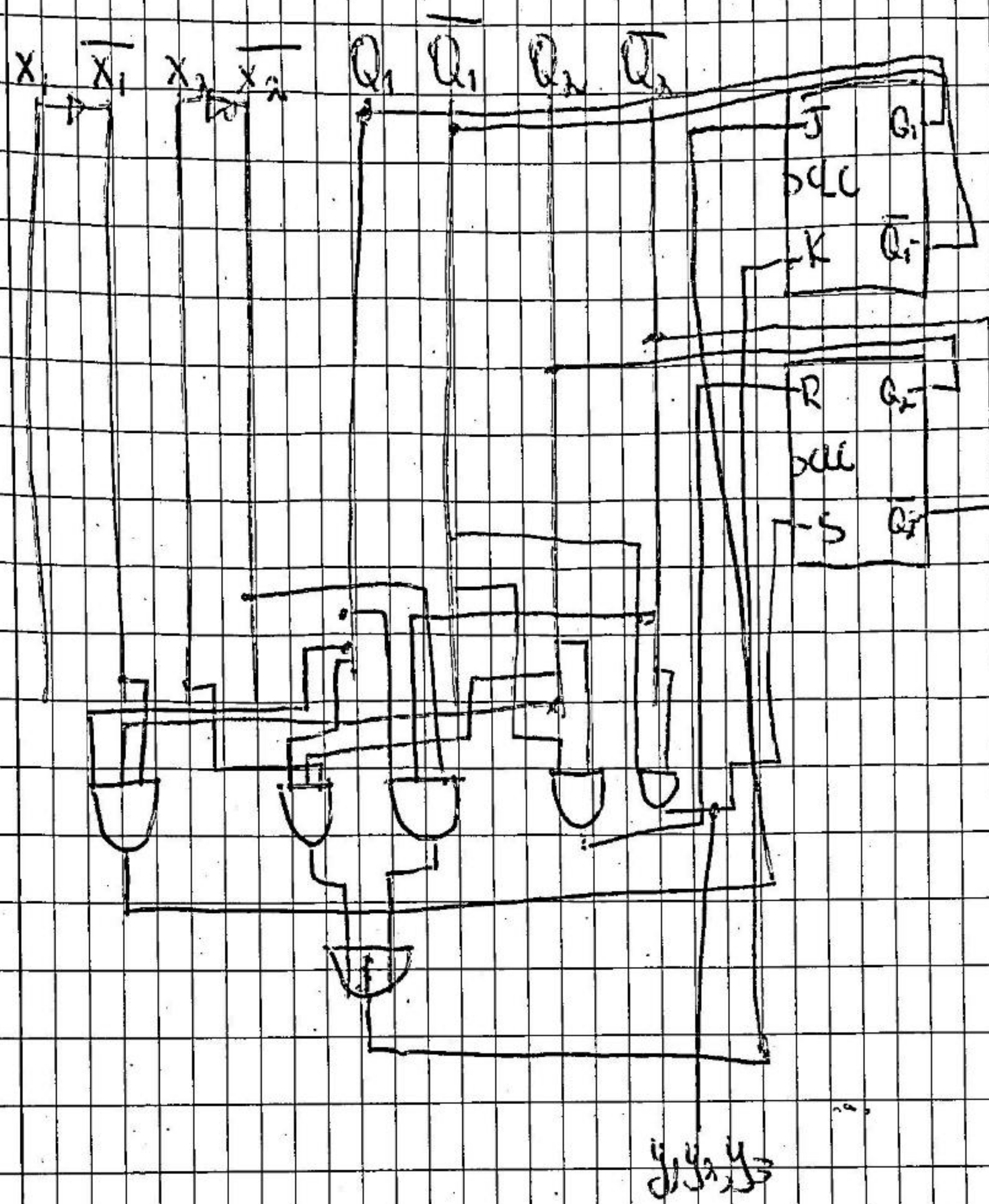
$$y_7 = Q_1 \overline{Q_2} \bar{x}_2$$

$$J = \overline{Q_1} \overline{Q_2} \bar{x}_1$$

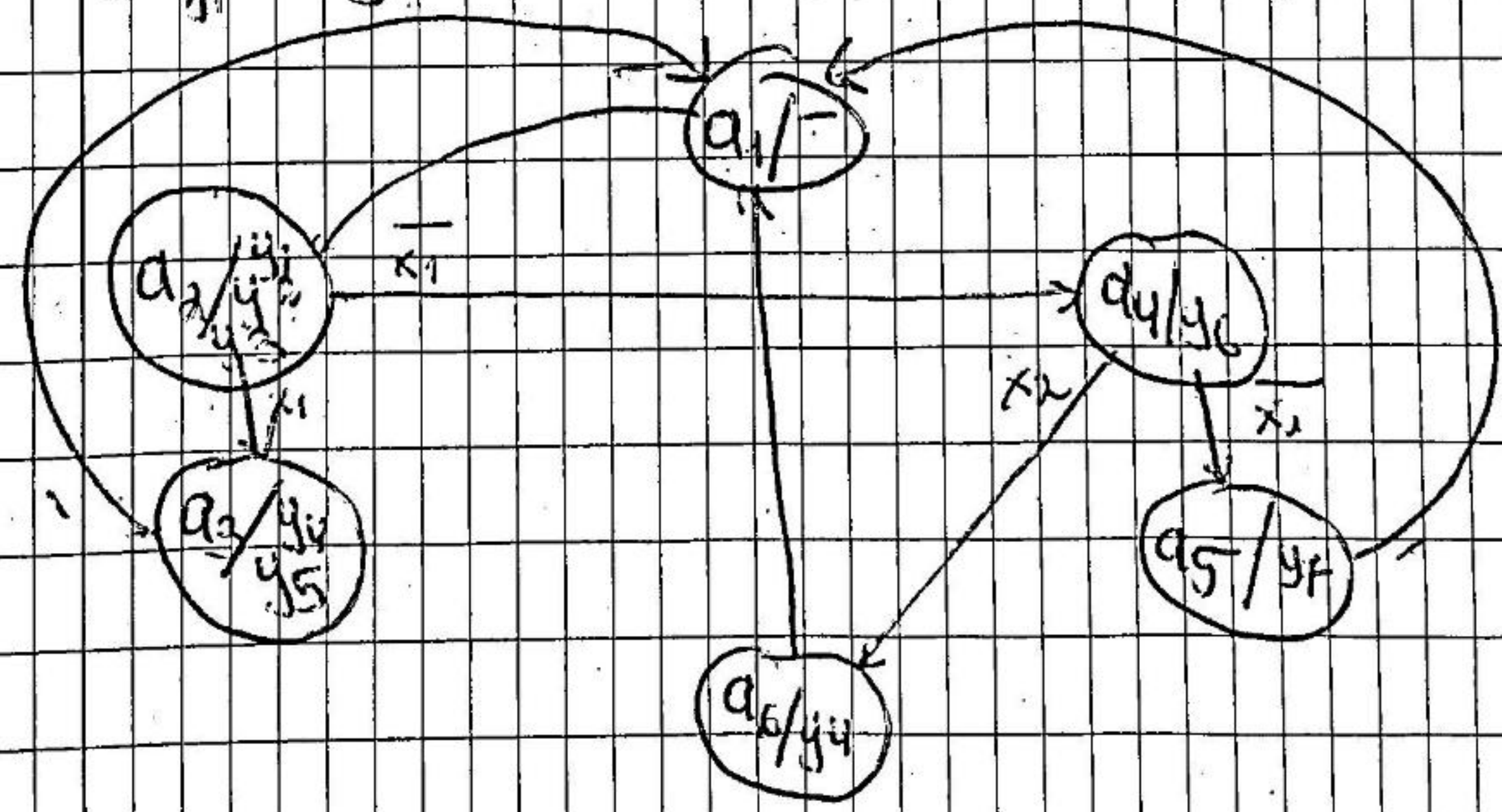
$$K = Q_1 \overline{Q_2} x_2 + Q_1 Q_2 \bar{x}_2 = Q_1 \overline{Q_2}$$

$$R = \overline{Q_1} Q_2 x_1 + \overline{Q_1} Q_2 \bar{x}_1 = \overline{Q_1} Q_2$$

$$S = \overline{Q_1} \overline{Q_2}$$



Илр. (применено осом)



$$\log_2 6 \approx 3 \Rightarrow Q_1, Q_2, Q_3$$

	Q_1	Q_2	Q_3
a_1	0	0	0
a_2	0	0	1
a_3	0	1	0
a_4	0	1	1
a_5	1	0	0
a_6	1	0	1

at	Q_1	Q_2	Q_3	x	y	a^{th}	Q_1	Q_2	Q_3	T	D	JK
a_1	0	0	0	—	—	a_2	0	0	1	0	0	1 *
a_2	0	0	1	$\frac{x_1}{x_2}$	$\frac{y_1 y_2}{y_3}$	a_3	0	1	0	0	1	1 *
a_3	0	1	0	—	$\frac{y_1 y_2}{y_3}$	a_4	0	0	0	0	0	0 *
a_4	0	1	1	x_2	y_3	a_5	1	0	1	1	0	1 *
				\bar{x}_2		a_6	1	0	0	1	0	1 *
a_5	1	0	0	—	y_4	a_1	0	0	0	1	0	0 *
a_6	1	0	1	—	y_4	a_1	0	0	0	1	0	1 *

at	Q^{th}	T	D	JK
0	0	0	0	0 *
0	1	1	1	1 *
1	0	1	0	1 *
1	1	0	1	1 *

$$y_1 = y_2 = y_3 = \overline{Q_1} \overline{Q_2} \overline{Q_3}$$

$$y_4 = \overline{Q_1} \overline{Q_2} \overline{Q_3} + \overline{Q_1} \overline{Q_2} Q_3$$

$$y_5 = \overline{Q_1} \overline{Q_2} \overline{Q_3}$$

$$y_6 = \overline{Q_1} \overline{Q_2} \overline{Q_3}$$

$$y_7 = \overline{Q_1} \overline{Q_2} \overline{Q_3}$$

$$T = \overline{Q_1} \overline{Q_2} \overline{Q_3} (x_2 + \bar{x}_2) + \overline{Q_1} \overline{Q_2} Q_3 + \overline{Q_1} \overline{Q_2} \overline{Q_3} = \overline{Q_1} \overline{Q_2} \overline{Q_3}$$

$$Q_1 \overline{Q_2}$$

$$D = \overline{Q_1} \overline{Q_2} Q_3 (x_1 + \overline{x_1})$$

$$J = \overline{Q_1} \overline{Q_2} \overline{Q_3}$$

$$K = \overline{Q_1} \overline{Q_2} Q_3 (x_1 + \overline{x_1}) + \overline{Q_1} Q_2 Q_3 \overline{x_2} + \overline{Q_1} \overline{Q_2} Q_3$$