

[illegible]

$$\begin{array}{c|c} x & y \\ \hline 0 & 0 \\ 0 & 5 \\ 1 & 0 \\ 1 & 1 \end{array} \rightarrow \begin{array}{c|c} x & y \\ \hline 0 & 0 \\ 0 & 1 \\ 1 & 0 \\ 1 & 1 \end{array}$$



U_2

	00	01	11	10
00	0	0	0	0
01	1	x	1	x
11	x	x	x	x
10	0	0	1	0

$$J_2 = \overline{U_1} \overline{Q_1} \overline{Q_0} + U_1 Q_1 Q_0$$

$$= 0 - 0 - 0$$

U_2

	00	01	11	10
00	x	x	0	1
01	x	x	x	x
11	x	x	x	x
10	x	x	1	0

 $K_3 = \bar{0} \bar{1} 0 + U_2$
 $= \bar{U}_2 \bar{1} 0$

U_1	U_2	$U_1 \vee U_2$
0	0	0
0	1	1
1	0	1
1	1	1

The figure displays a 2x4 grid of small bar charts. Each chart shows the distribution of 'type' (A, B, C, D) for a specific 'category' (1, 2, 3, 4). The y-axis represents the count of each type, ranging from 0 to 10. The charts are color-coded: red for category 1, blue for category 2, green for category 3, and orange for category 4.

Category	Type A	Type B	Type C	Type D
1 (Red)	10	5	5	5
2 (Blue)	5	5	5	5
3 (Green)	5	5	5	5
4 (Orange)	5	5	5	5

[illegible]

u_2

	00	01	11	10
00	x	x	x	x
01	1	x	x	x
11	1	x	x	x
10	1	x	x	x

 $k_2 = 1$

$$I = Q_1 + \bar{Q}_2 + Q_1\bar{Q}_2$$

$$Q_1 + (Q_2\bar{Q}_1)$$

P_{Q_2}

	00	01	11	10
00	0	0	x	x
01	1	x	x	x
11	0	x	x	x
10	0	1	1	x

 $J_1 = P_{Q_2} + P_{Q_0}$

UQ_2

	00	01	11	10
00	X	1	1	X
01	X	X	X	X
11	X	X	X	1
10	X	1	0	X

 $k=3$

