

Fig. 22—Symbolic diagram of connections for single and two families of groups.

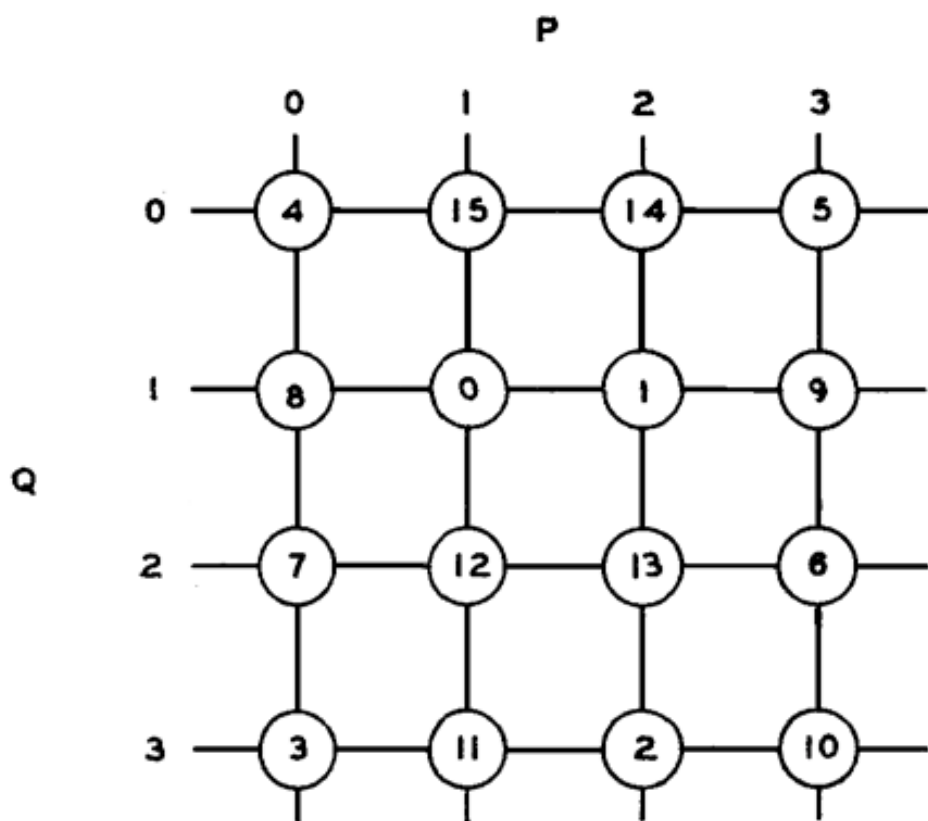


Fig. 23 — Bar connections in two-family system.



$$P = Q = 4$$

$$G = P + Q = 8$$

$$N = P \cdot Q = 16$$

SYMBOLIC SCHEMATIC

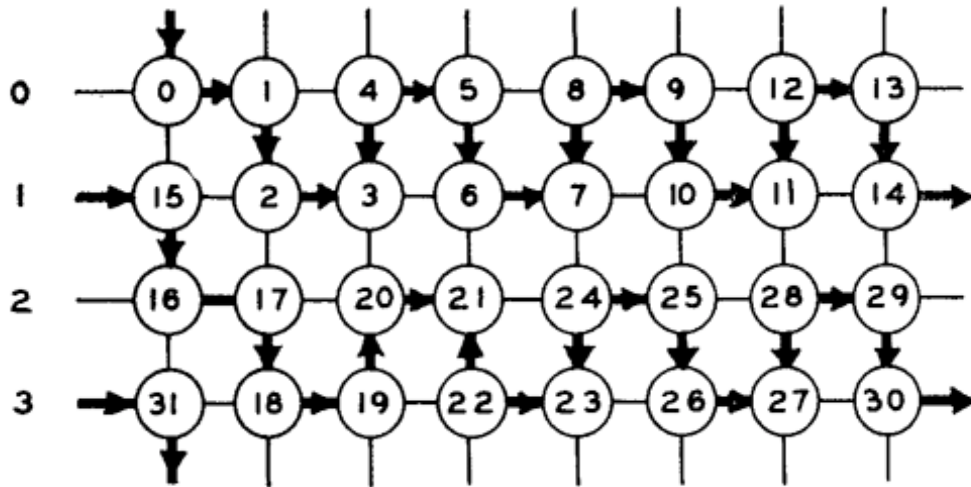
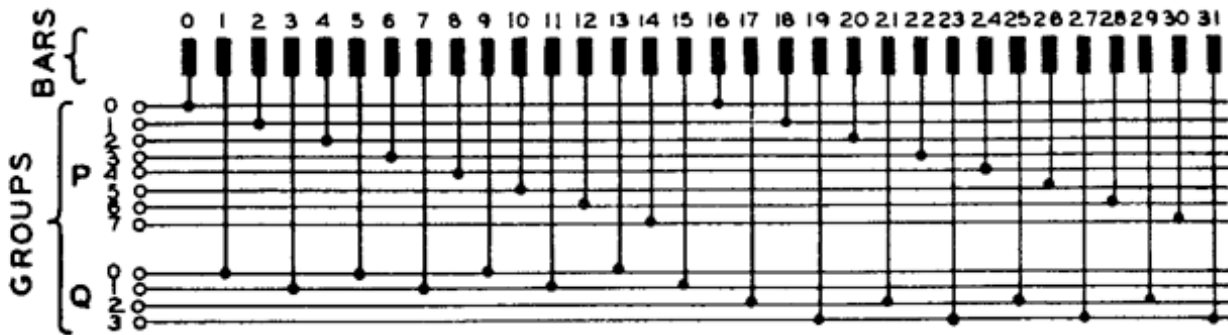


TABLE OF INDEX VALUES

η	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
p	0		1		2		3		4		5		6		7		0		1		2		3		4		5		6		7	
q		0		1		0		1		0		1		0		1		2		3		2		3		2		3		2		3

CONNECTIONS



$$N = 32 \quad P = 8 \quad Q = 4 \quad G = P + Q = 12$$

Fig. 24—Connections of 32 bars according to the two-family of groups system.

GATES	0	1	2	3	4	5	6	7	8	9
BARs	0	1	2	3	4	0	2	4	1	3 (0)

$$G = 5 \quad N = \frac{5 \cdot 4}{2} = 10$$

GATE	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
BAR	0	1	2	3	4	5	6	0	2	4	6	1	3	5	0	3	6	2	5	1	4	(0)
ADD	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3

$$G = 7 \quad N = \frac{7 \cdot 6}{2} = 21$$

Fig. 25—Connections of bars according to single-family system.

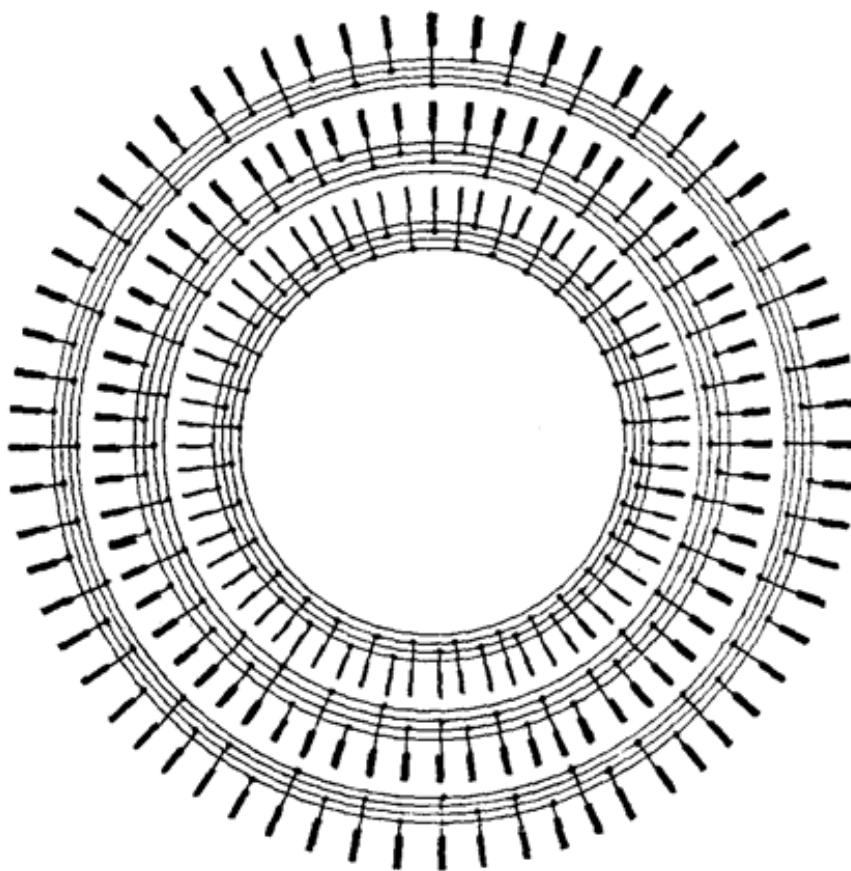


Fig. 26 — Connections of 3 successive rows of bars in binary system.

$$E = 64 = 2^6$$

$$L = 2 \times 6 = 12$$

6 PUSH-PULL PAIRS OF LEADS