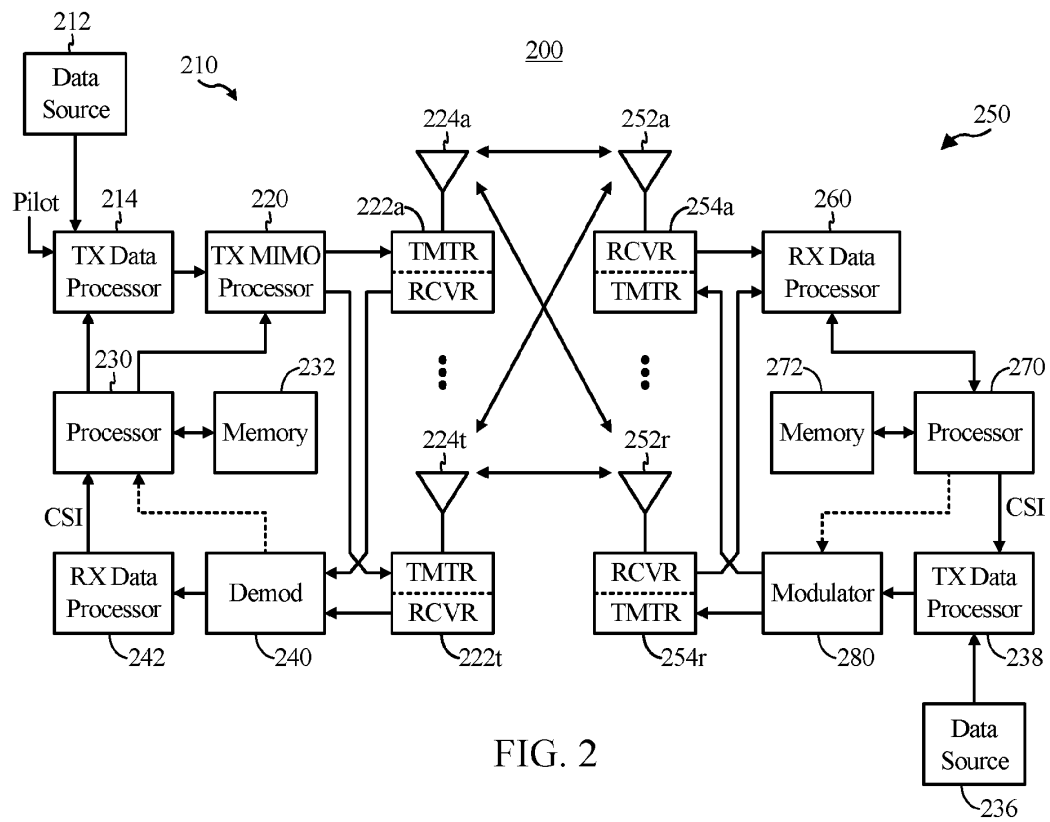
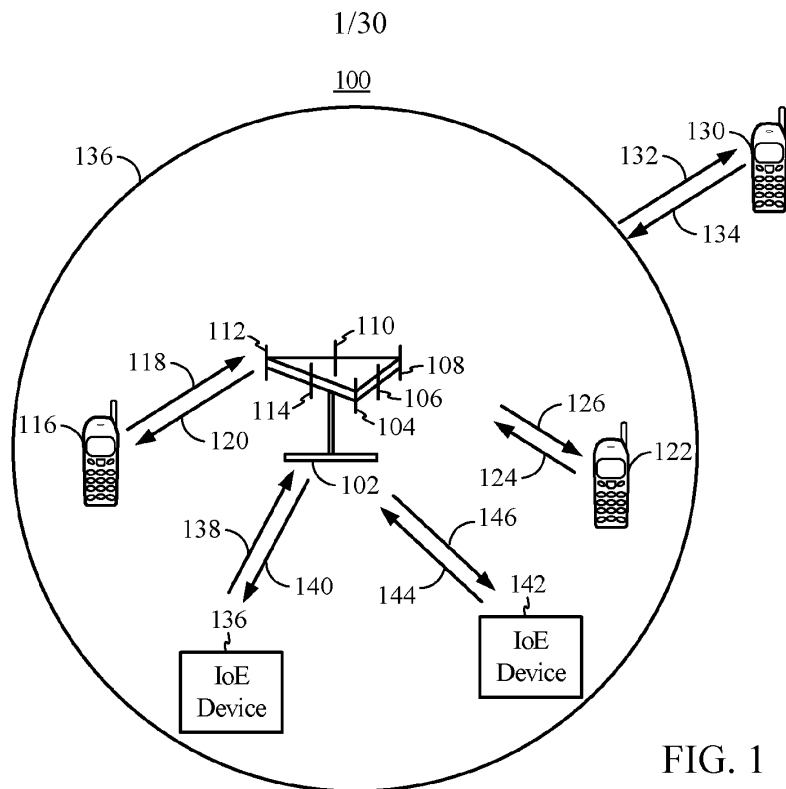




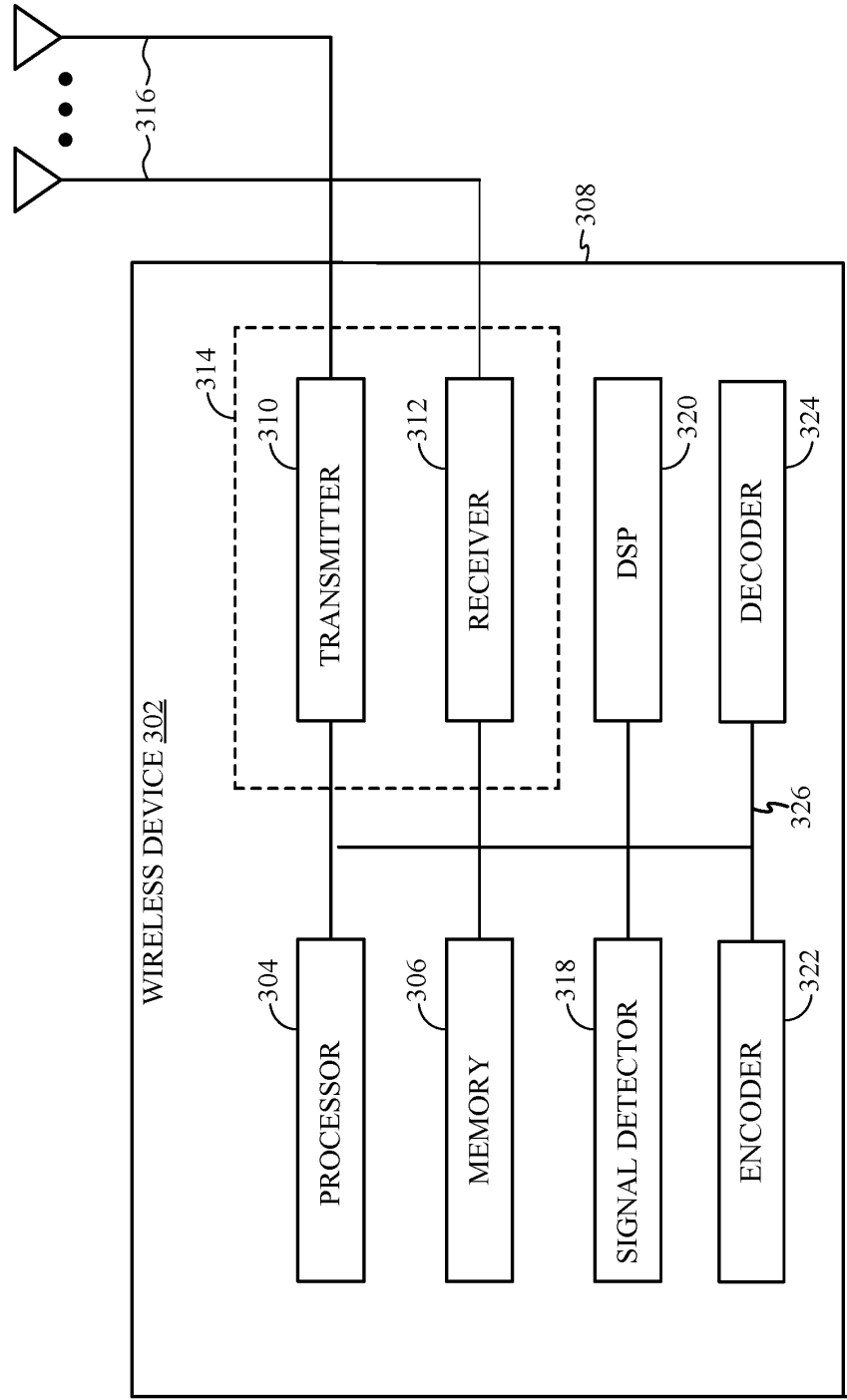


FIG. 3

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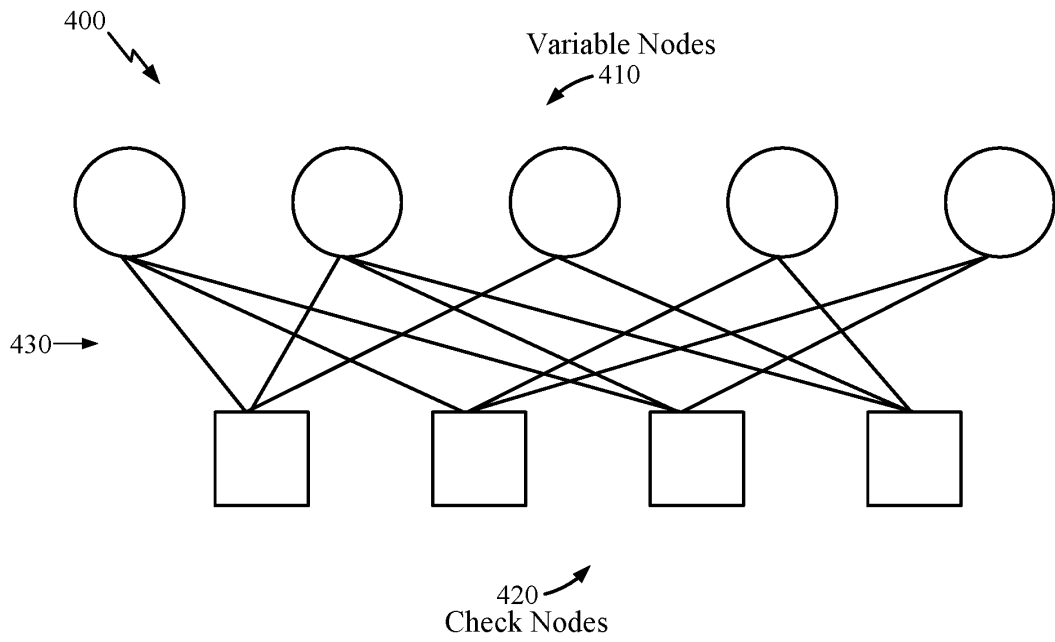


FIG. 4A

Diagram illustrating a bipartite graph structure (450) with the following parameters:

$$H = \begin{bmatrix} 1 & 1 & 1 & 0 & 0 \\ 1 & 0 & 0 & 1 & 1 \\ 1 & 1 & 0 & 0 & 1 \\ 0 & 1 & 1 & 1 & 0 \end{bmatrix} \quad x = \begin{bmatrix} x_1 \\ x_2 \\ x_3 \\ x_4 \\ x_5 \end{bmatrix}$$

FIG. 4B

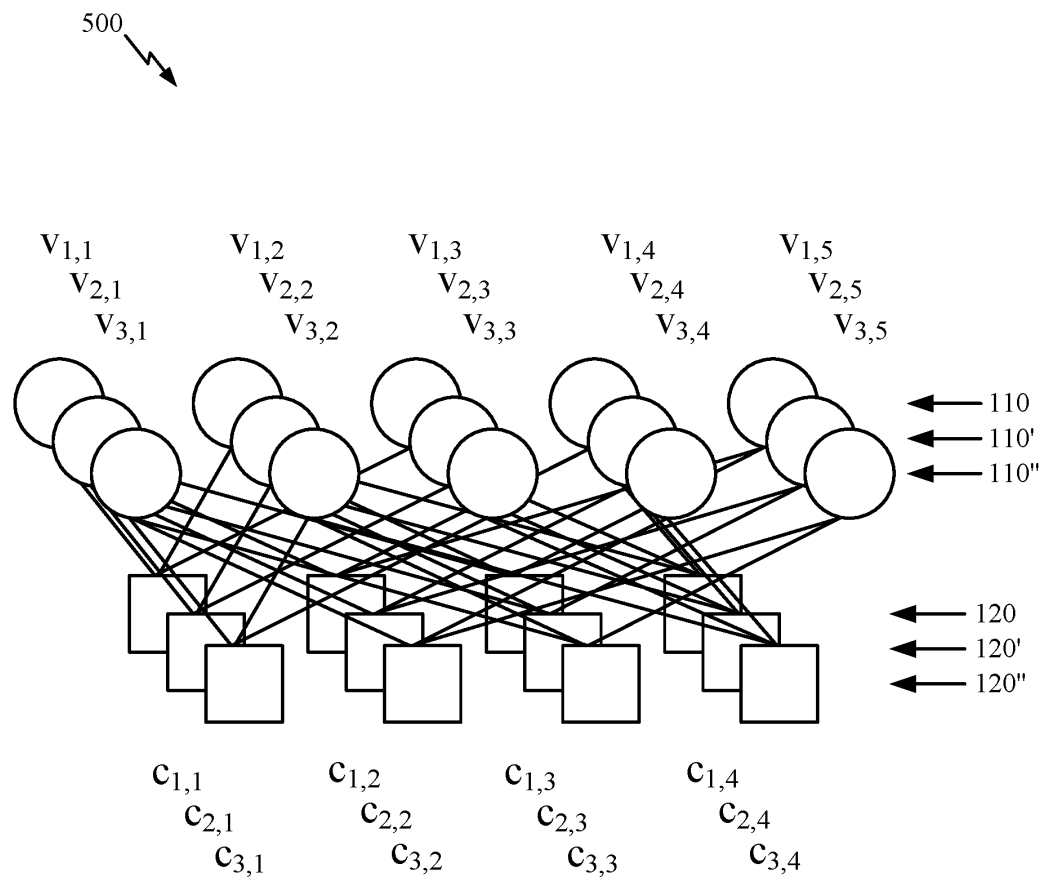


FIG. 5

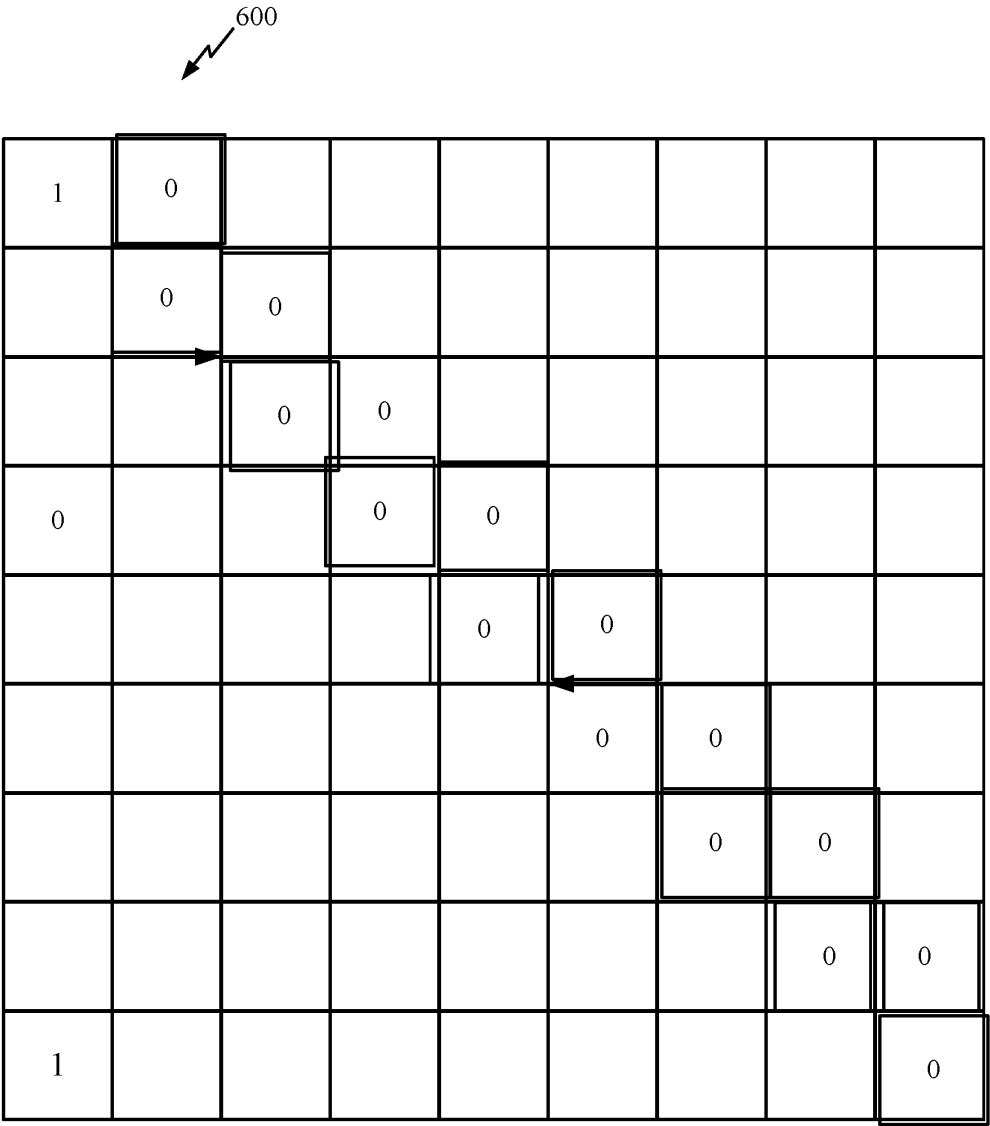


FIG. 6

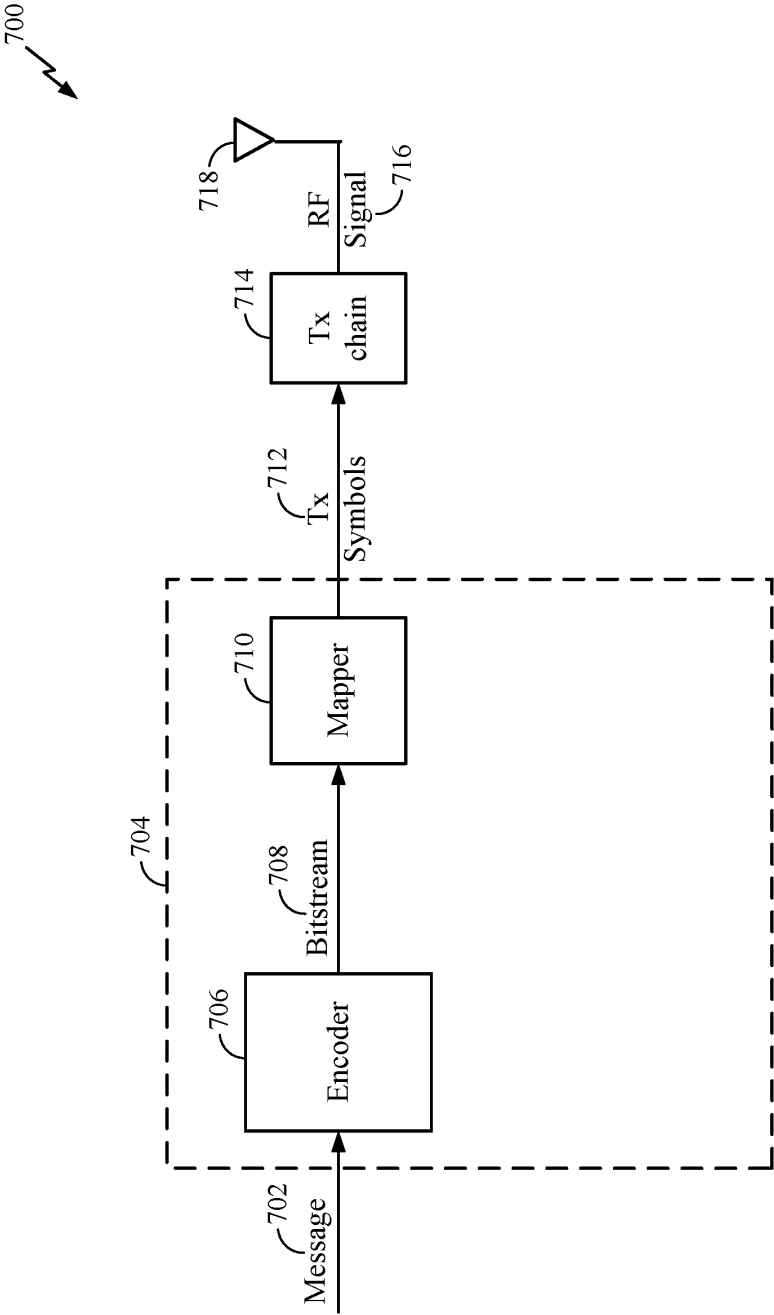


FIG. 7

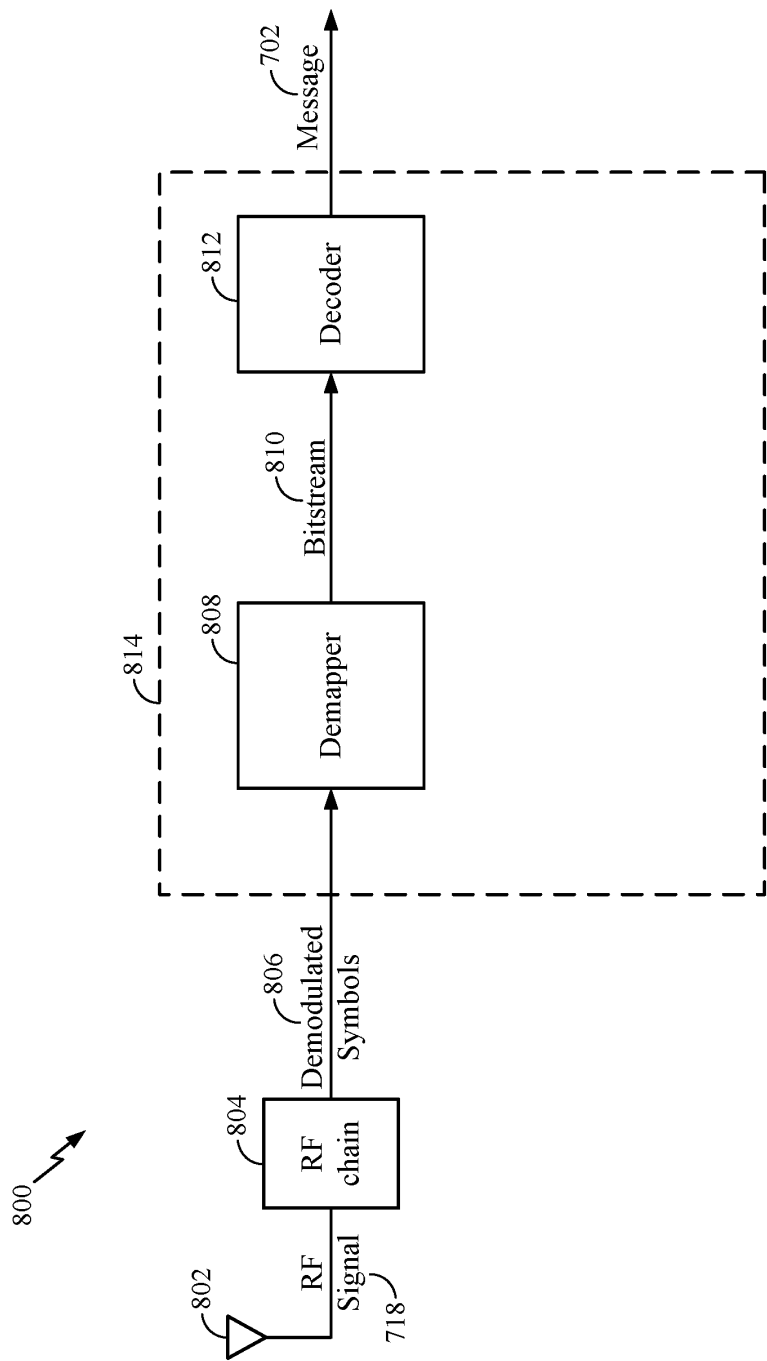


FIG. 8

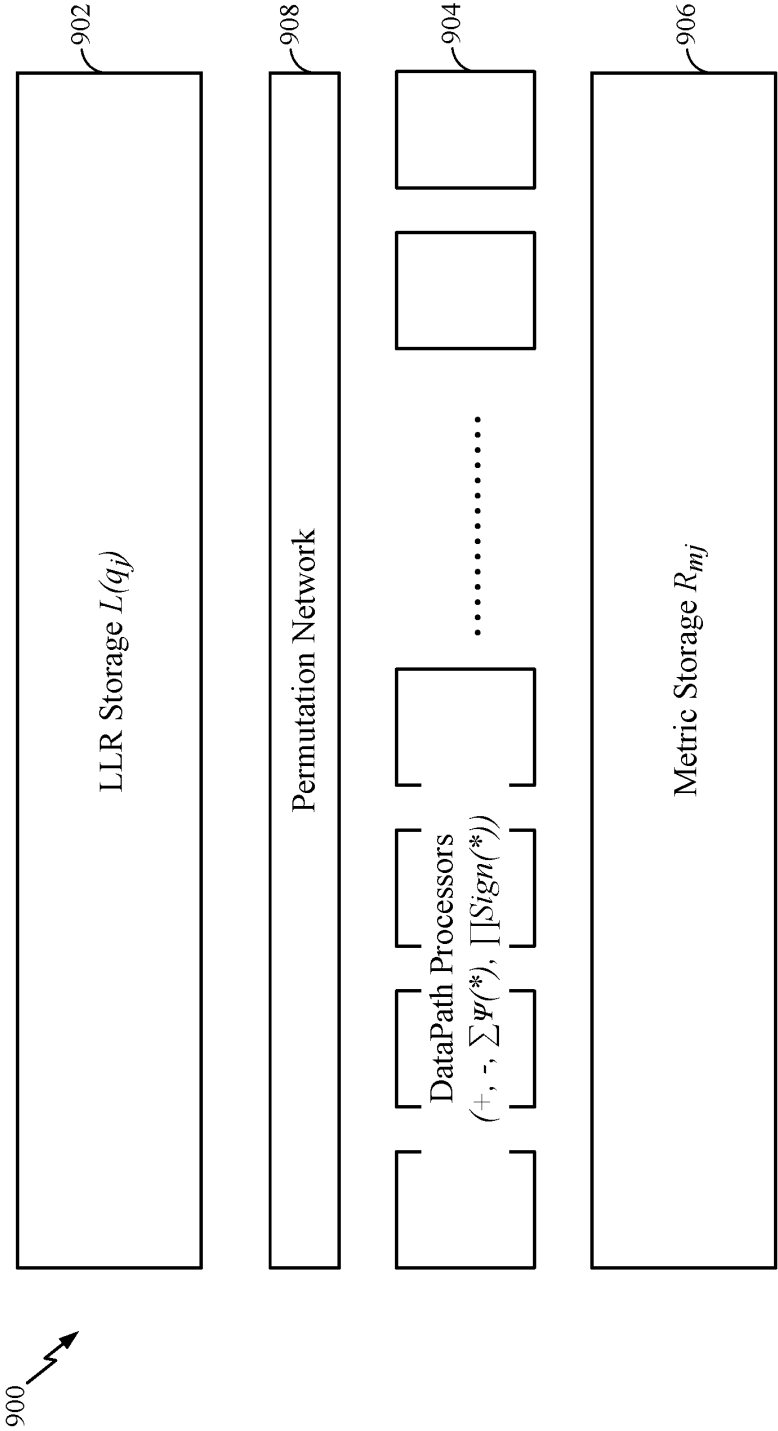


FIG. 9

1000 ↗

1012
1010 ↓

Bit Columns

0	48	29	28	39	9	61	-	-	-	63	45	80	-	-	37	32	22	1	0	-	-	-	-
1	4	49	42	48	11	30	-	-	-	49	17	41	37	15	-	54	-	-	0	0	-	-	-
2	35	76	78	51	37	35	21	-	17	64	-	-	-	59	7	-	32	-	0	0	-	-	-
Parity Check Rows 1002 → 3	9	65	44	9	54	56	73	34	42	-	-	-	35	-	-	46	39	0	-	-	0	0	-
1006 → 4	3	62	7	80	68	26	-	80	55	-	36	-	26	-	9	72	-	-	-	-	0	0	0
1008 → 5	26	75	33	21	69	59	3	38	-	-	-	35	-	62	36	26	-	1	-	-	-	-	0

1014

1020 1022

FIG. 10

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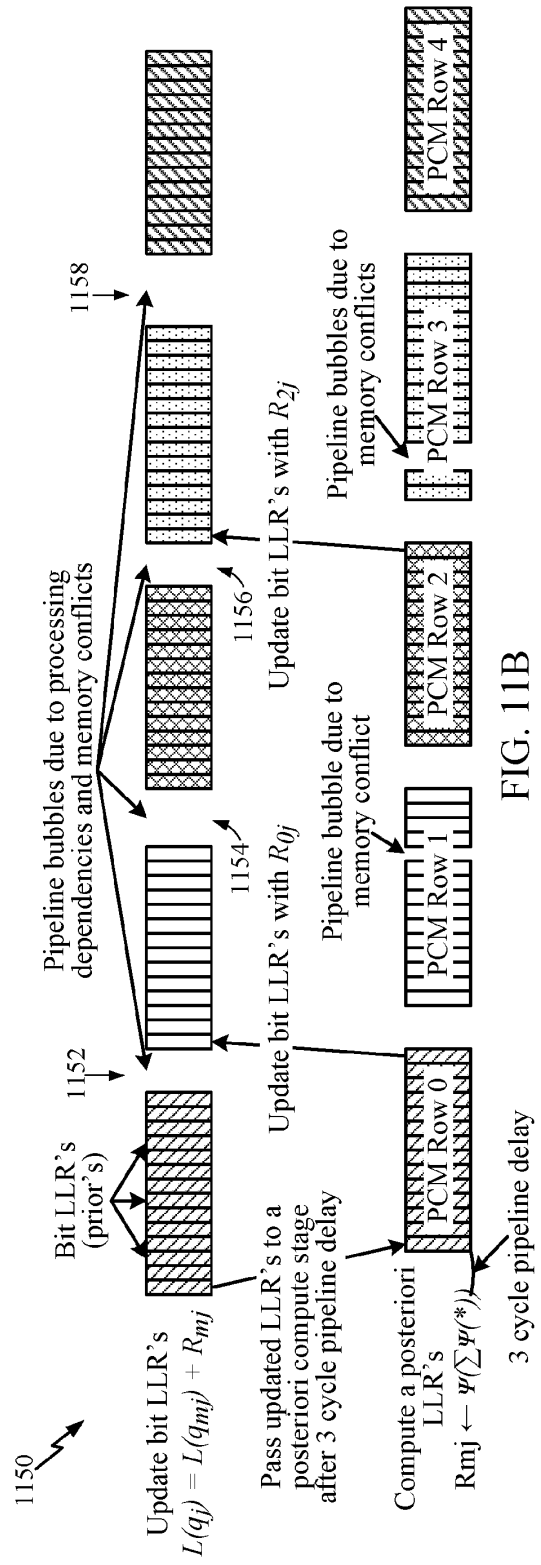
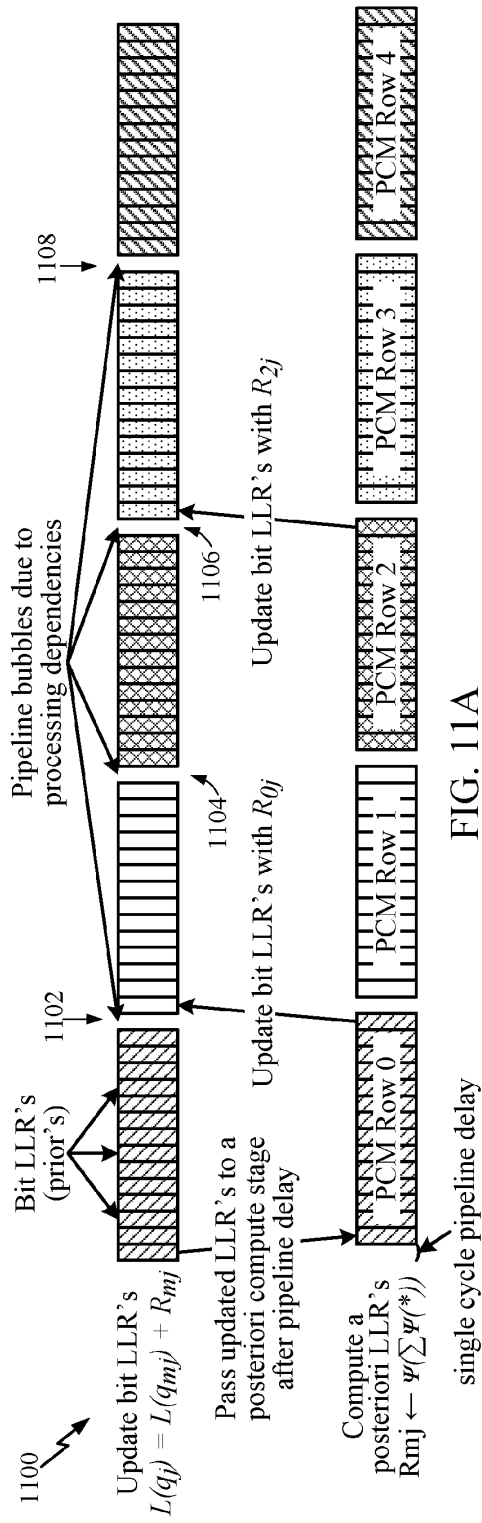


FIG. 12A	FIG. 12B	FIG. 12C	FIG. 12D
FIG. 12E	FIG. 12F	FIG. 12G	FIG. 12H

FIG. 12

1200																		
1202	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1204	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1206	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1220	13	13	13	4	5	4	13	4	10	2	0	9	13	.	5	12	.	.
	4	10	.	3	9	14	2	7	.	.	7	.	.	3	.	.	3	.
	9	5	.	13	.	.	.	.	7	8	7	3	15	3	.	.	.	2
	3	.	.	.	6	7	.	.	.	.	.	14	5	6	3	0	8	7
	13	2	9	.	.	.	13	14	9	4	6	.	.	10	0	5	9	0
	1	1	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.
	11	13	2	14	.	.	.	.	.	.	6	.	.	12	7	.	13	.
	6	.	.	.	.	.	.	0	5	12	.	.	.	.	.	.	.	.
	11	2	.	.	.	8	13	.	3	7	9	.	9	.	.	9	.	.
	3	2	.	.	11	.	.	.	.	.	.	.	.	.	8	.	.	8
	2	6	.	.	.	.	7	.	8	.	1	7	.	.	15	1	10	8
	.	11	.	.	.	.	.	4	.	.	.	.	14	.	.	.	.	.
	13	.	7	15	.	.	6	.	.	.	.	.	8	0	.	.	.	.
	8	0	.	.	.	10	.	.	.	10	5	.	.	.	.	9	.	4
	.	13	.	.	.	.	.	.	.	.	.	.	.	.	.	.	14	.
	5	10	.	.	.	.	.	.	.	14	7	8	.	.	13	.	.	.
	5	.	7	.	.	.	.	15	6	.	.	.	.	.	.	.	.	.
	.	3	.	.	.	.	1	.	.	.	.	.	.	6	.	7	.	.
	9	.	.	.	.	.	.	.	.	.	.	.	0	0	.	.	.	.
1210	1210	1212	1212	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

FIG. 12A

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[illegible]

FIG. 12B

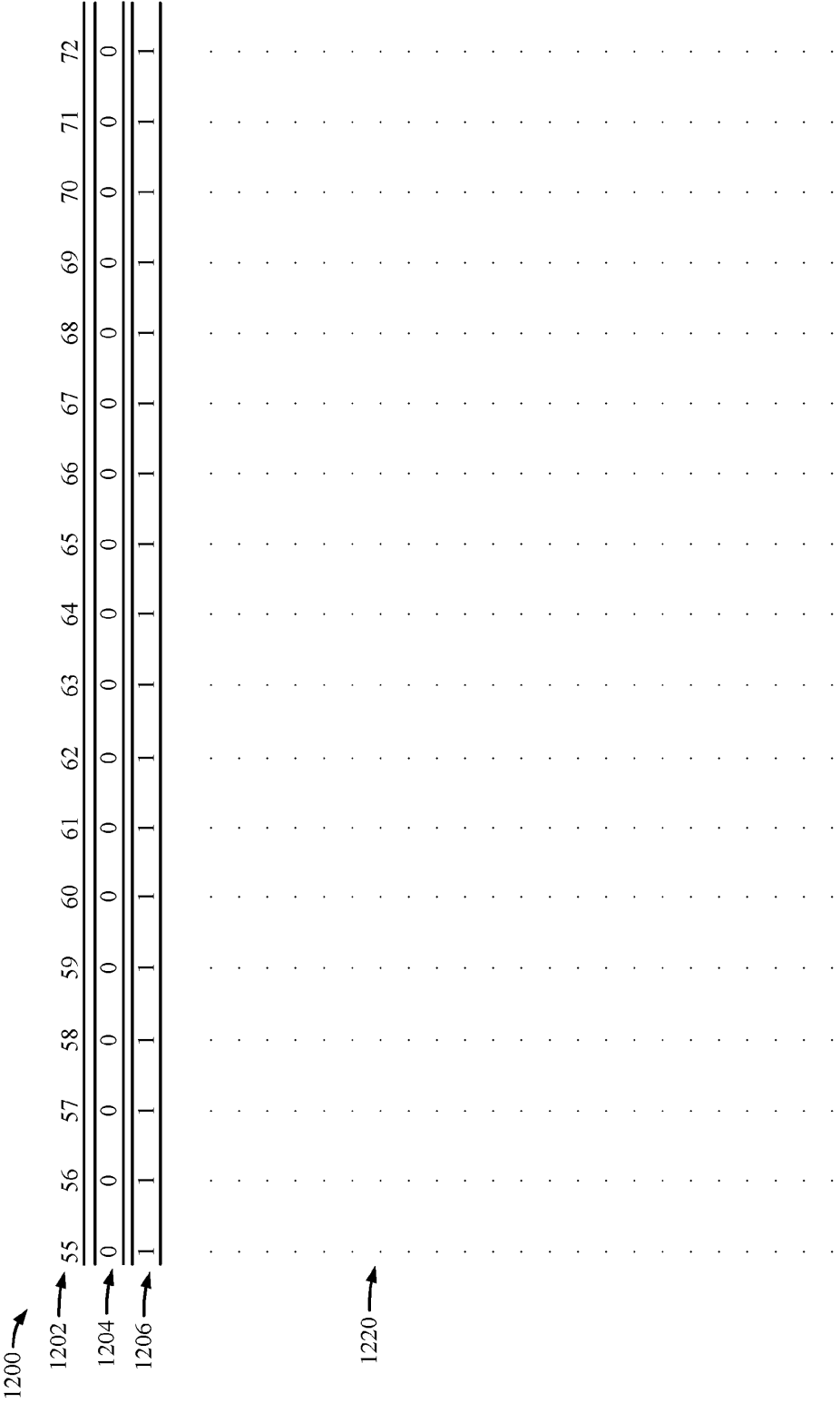
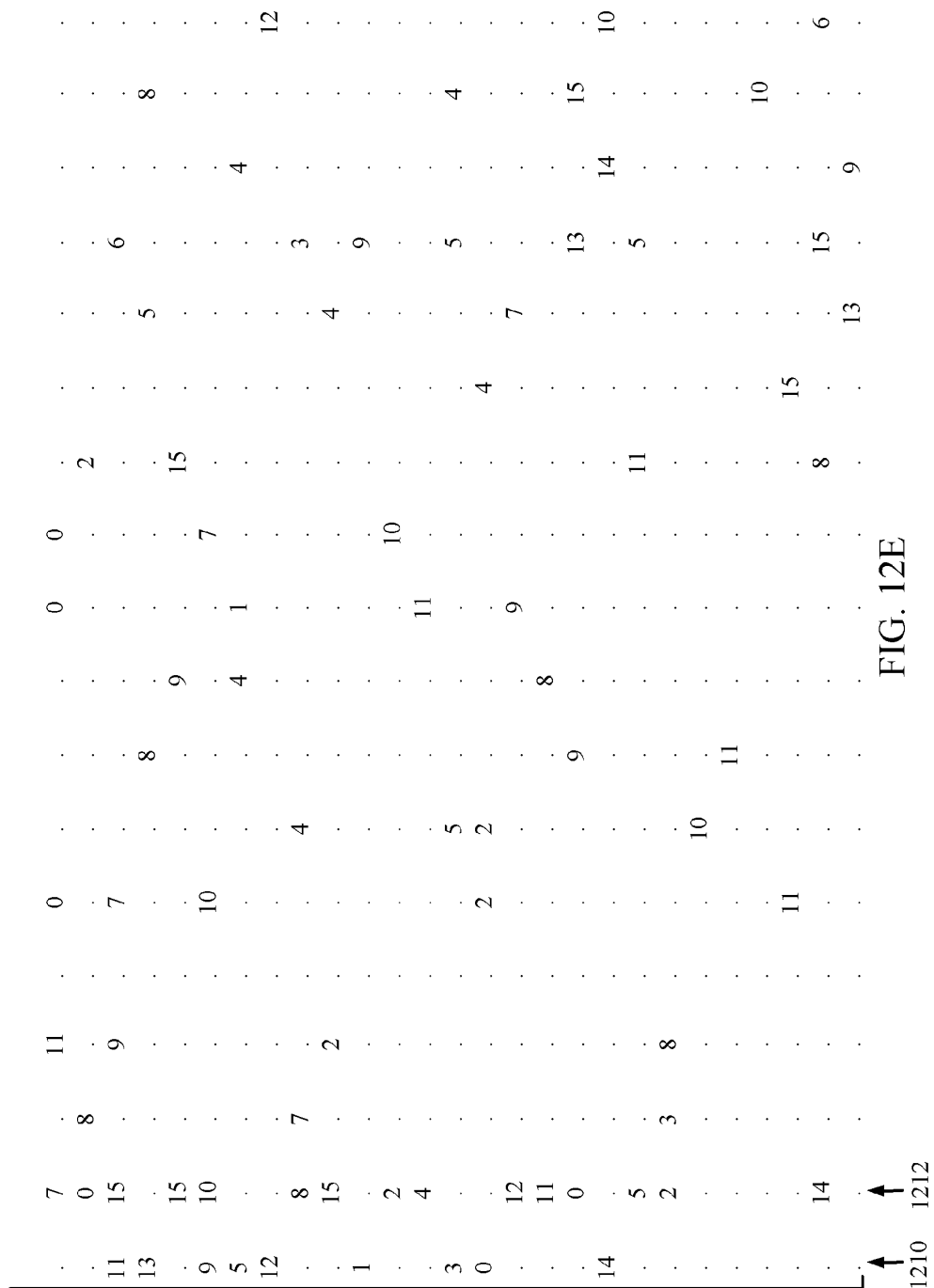


FIG. 12D



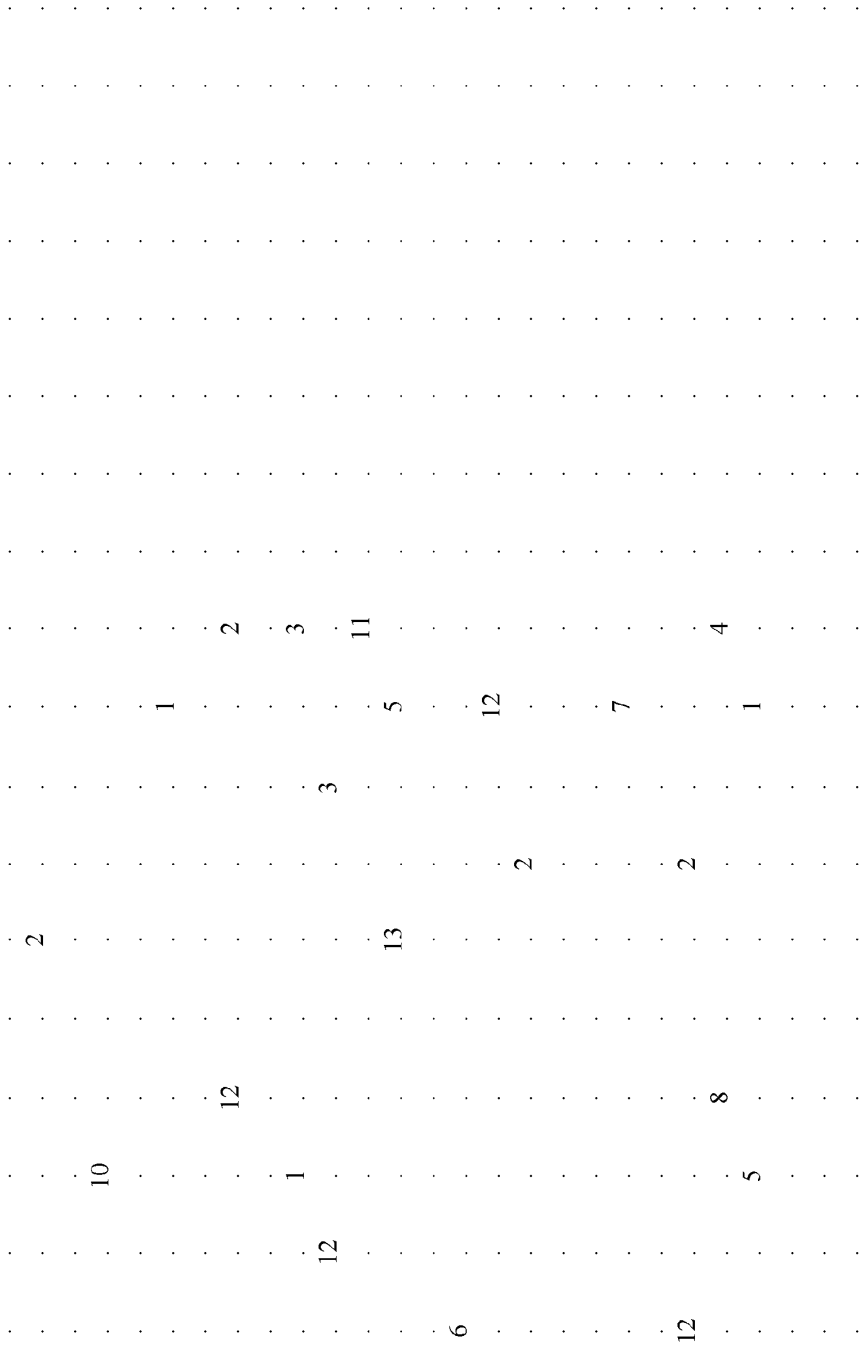


FIG. 12F

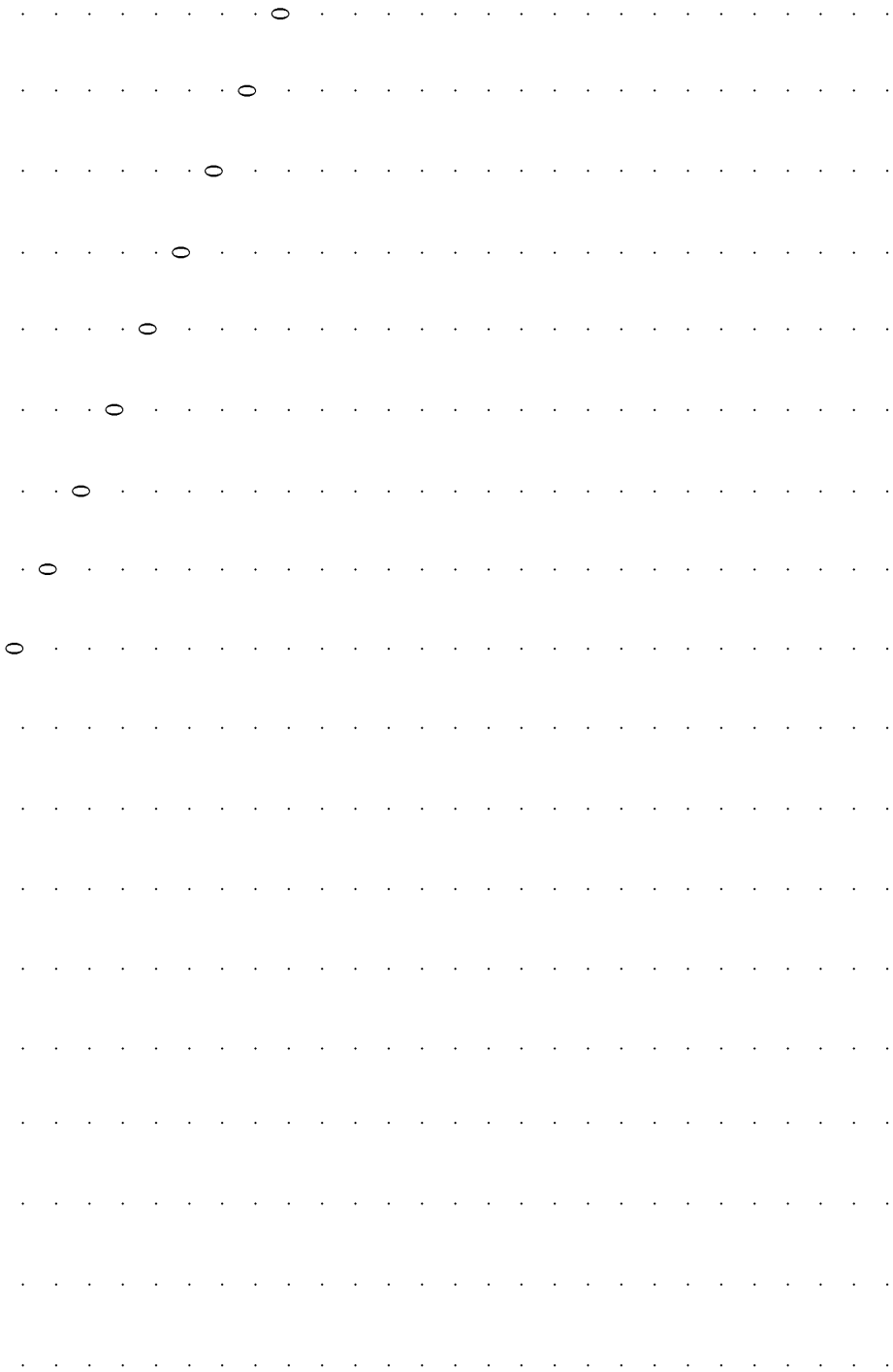


FIG. 12G

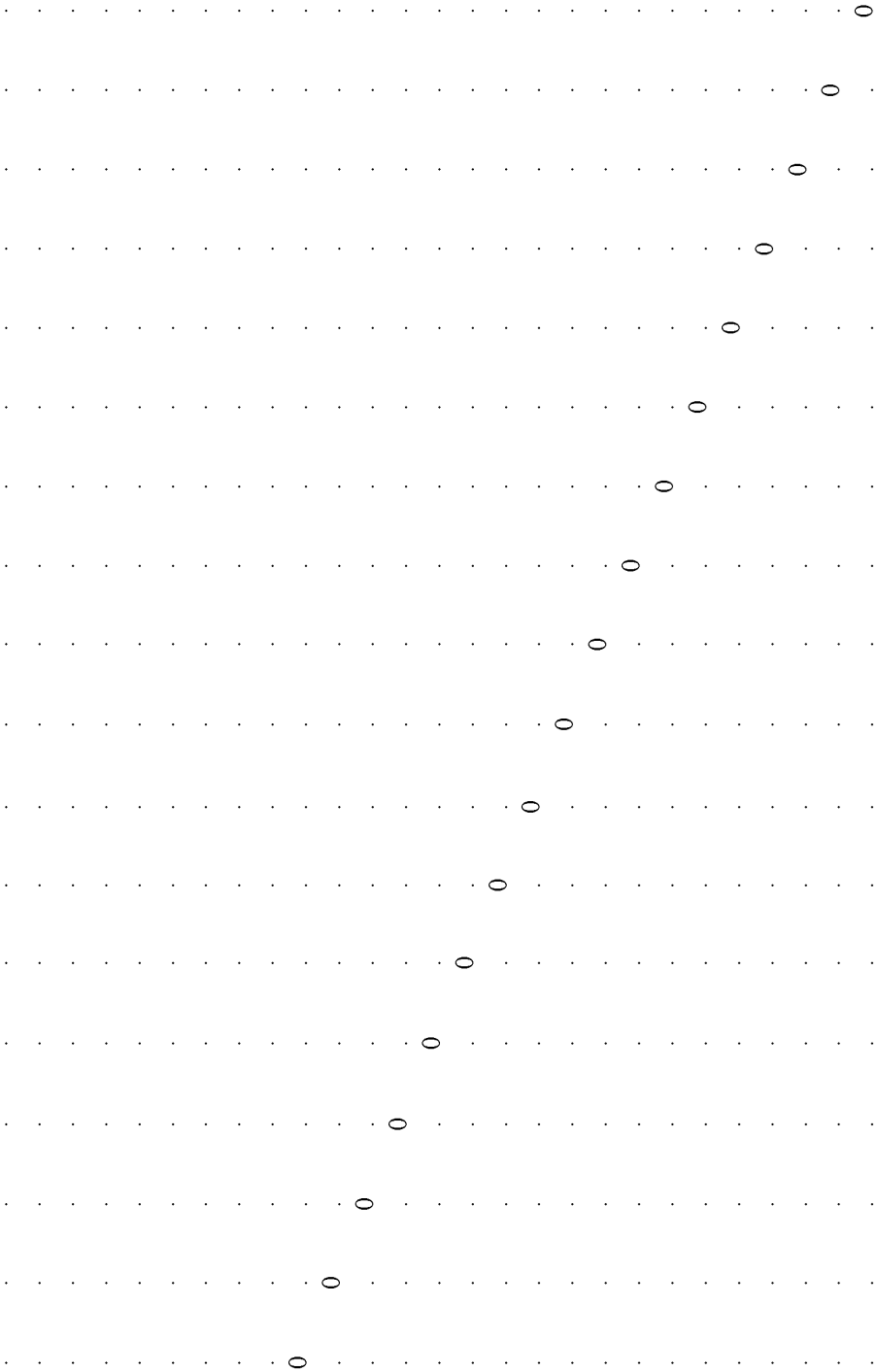
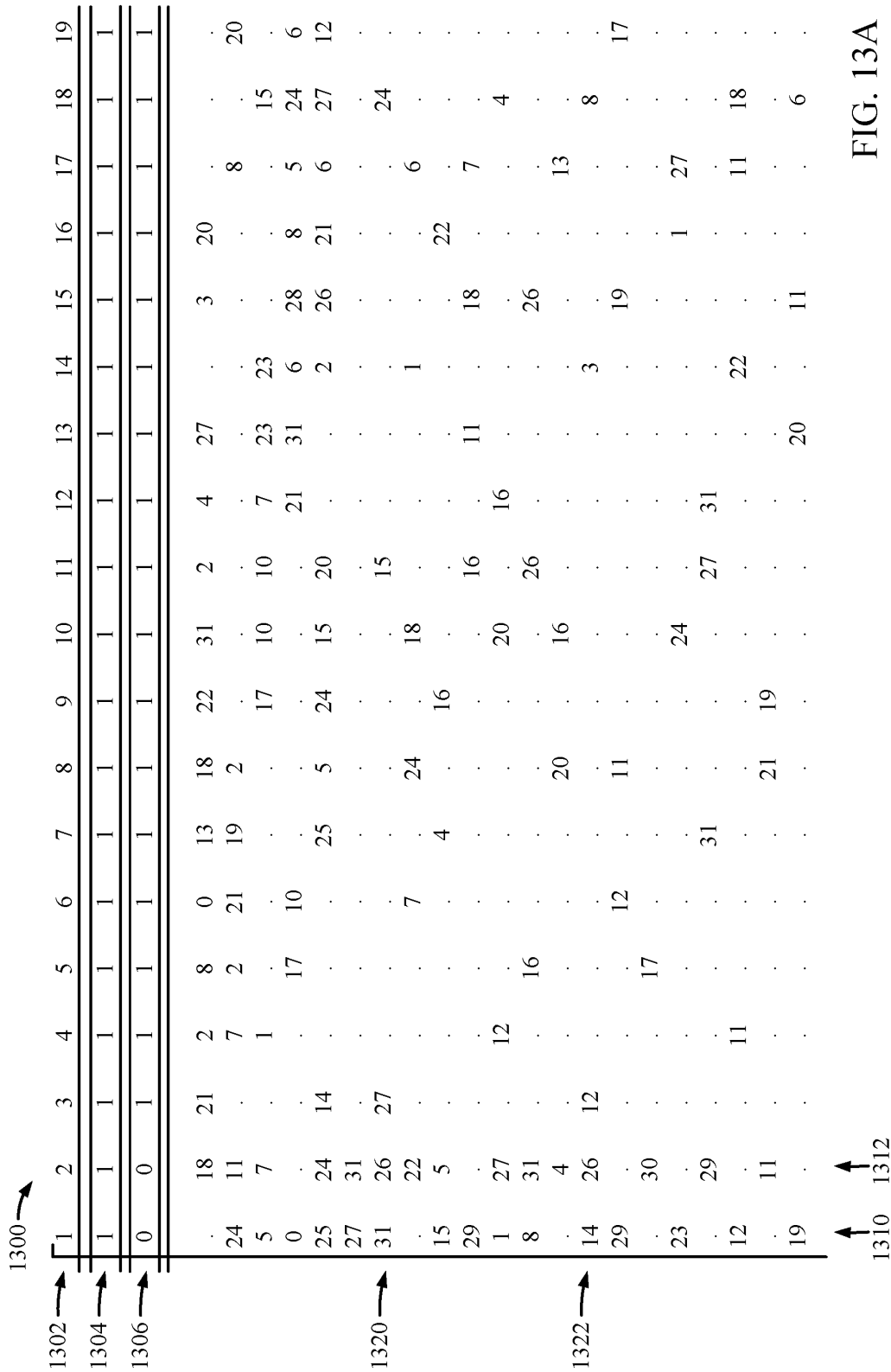


FIG. 12H

FIG. 13A	FIG. 13B	FIG. 13C	FIG. 13D
FIG. 13E	FIG. 13F	FIG. 13G	FIG. 13H

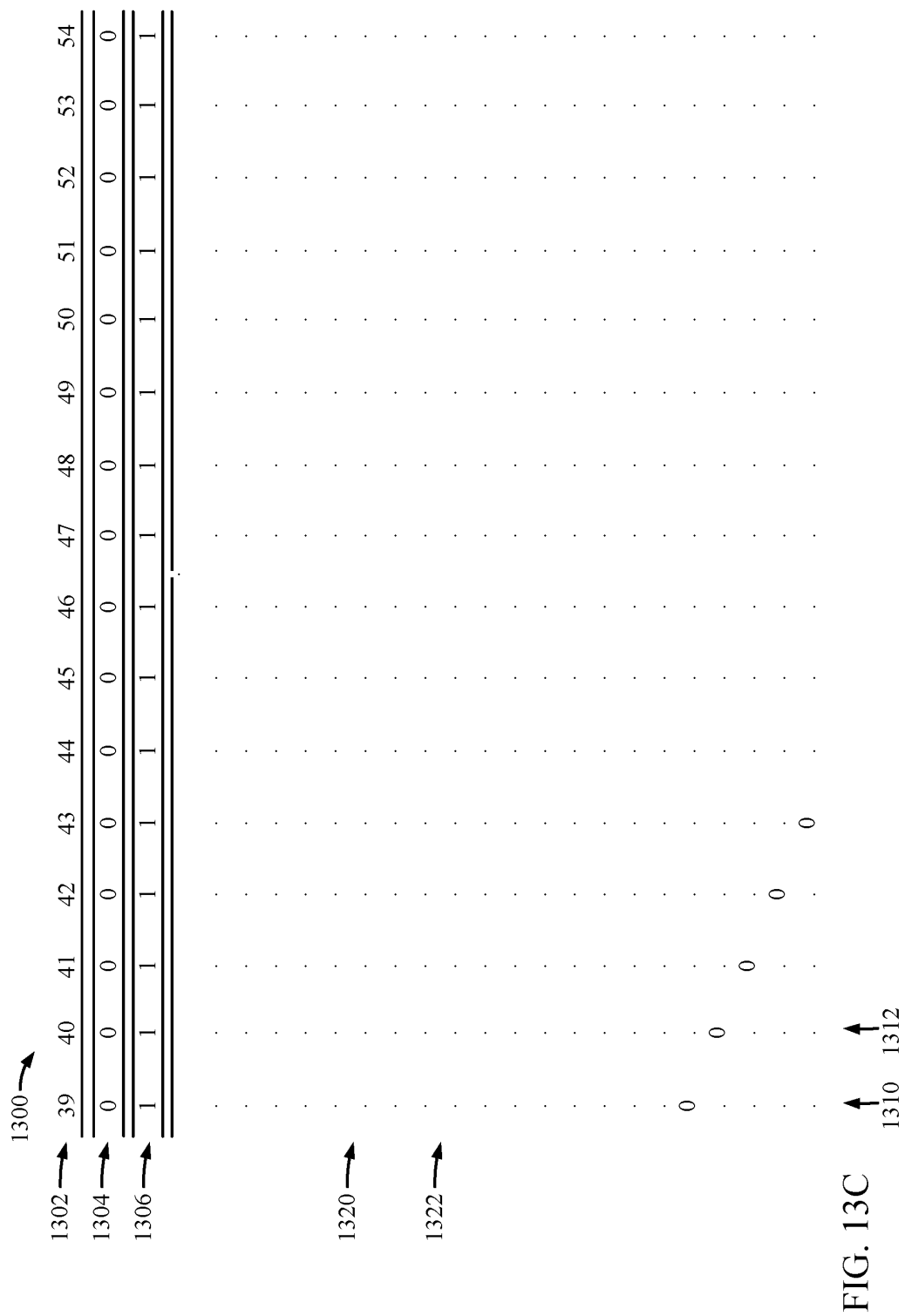
FIG. 13



20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
.	.	.	.	0	0	.	.	.	.	.	.	.	.	.	.	.	.	.
27	5	9	.	0	0	0	.	.	.	.	.	.	.	.	.	.	.	.
18	10	.	.	30	0	0	0	.	.	.	.	.	.	.	.	.	.	.
.	0	13	.	.	.	0	0	0	.	.	.	.	.	.	.	.	.	.
7	.	31	.	14	.	.	0	0	.	.	.	.	.	.	.	.	.	.
.	.	.	0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	26	.	.	.	0	.	.	.	.	.	.	.	.	.	.
.	.	.	9	.	.	.	.	.	0	.	.	.	.	.	.	.	.	.
.	0	.	.	.	.	.	.	.	.	0	.	.	.	.	.	.	.	.
16	.	.	13	.	.	.	.	.	.	.	.	0	.	.	.	.	.	.
.	.	.	.	7	.	.	.	.	.	.	.	.	0	.	.	.	.	.
.	5	.	17	.	4	.	.	.	.	.	.	.	.	0	.	.	.	.
19	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	0	.	0
.	.	.	.	25	.	.	.	28	.	.	.	.	.	.	.	.	.	.
23	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	15	.	.	.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
.	.	.	↑	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

13¹⁴

FIG. 13B



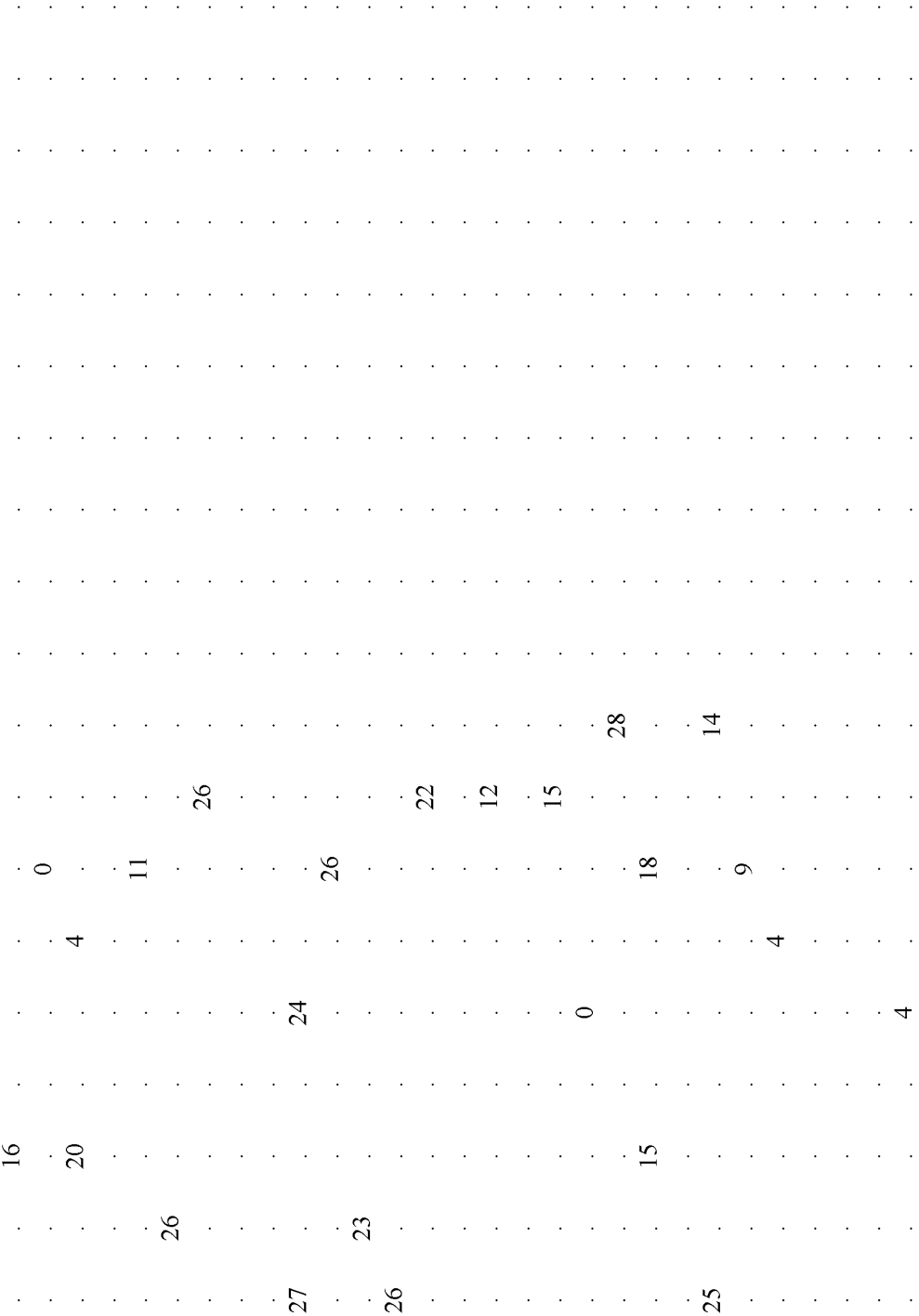


FIG. 13F

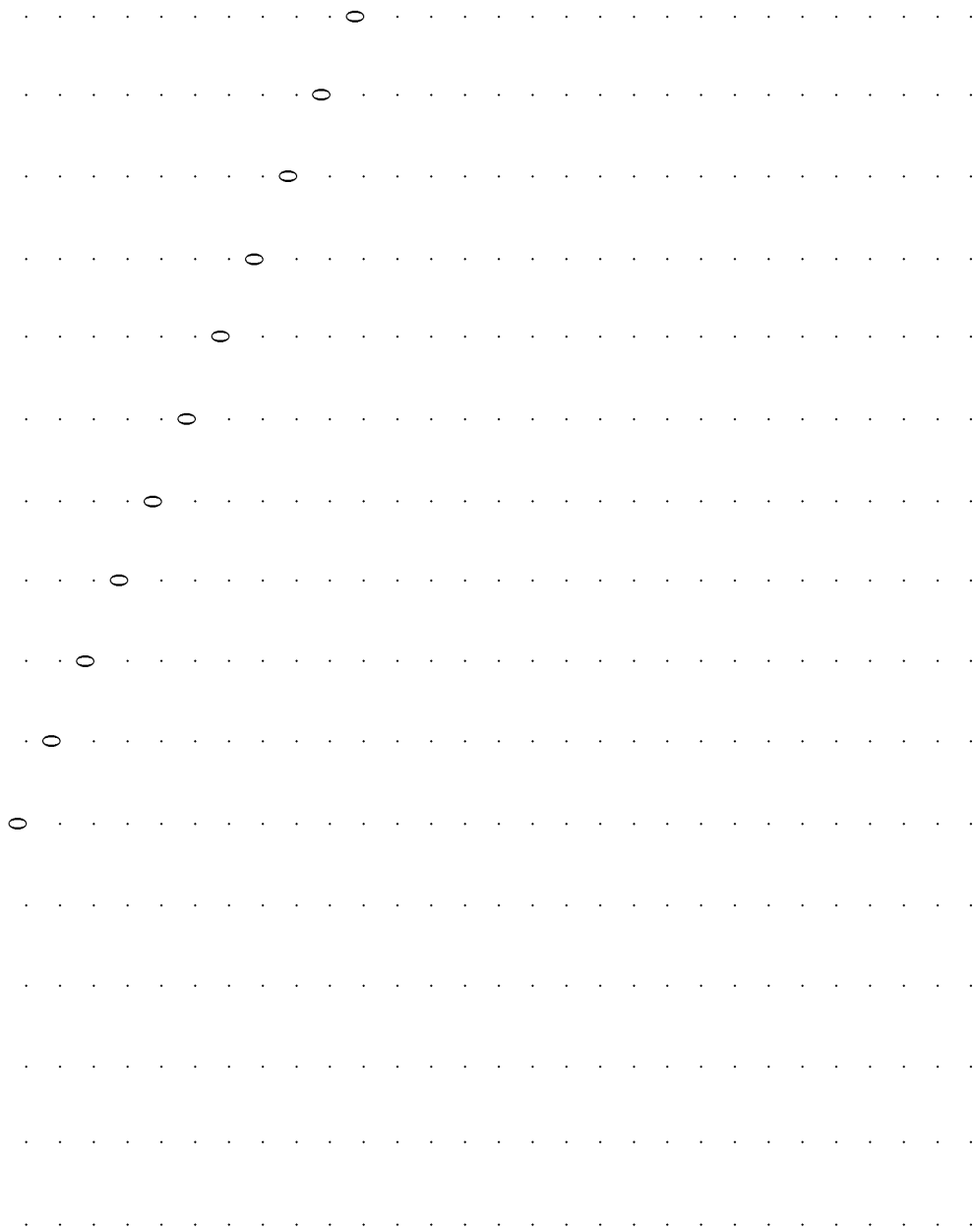


FIG. 13G

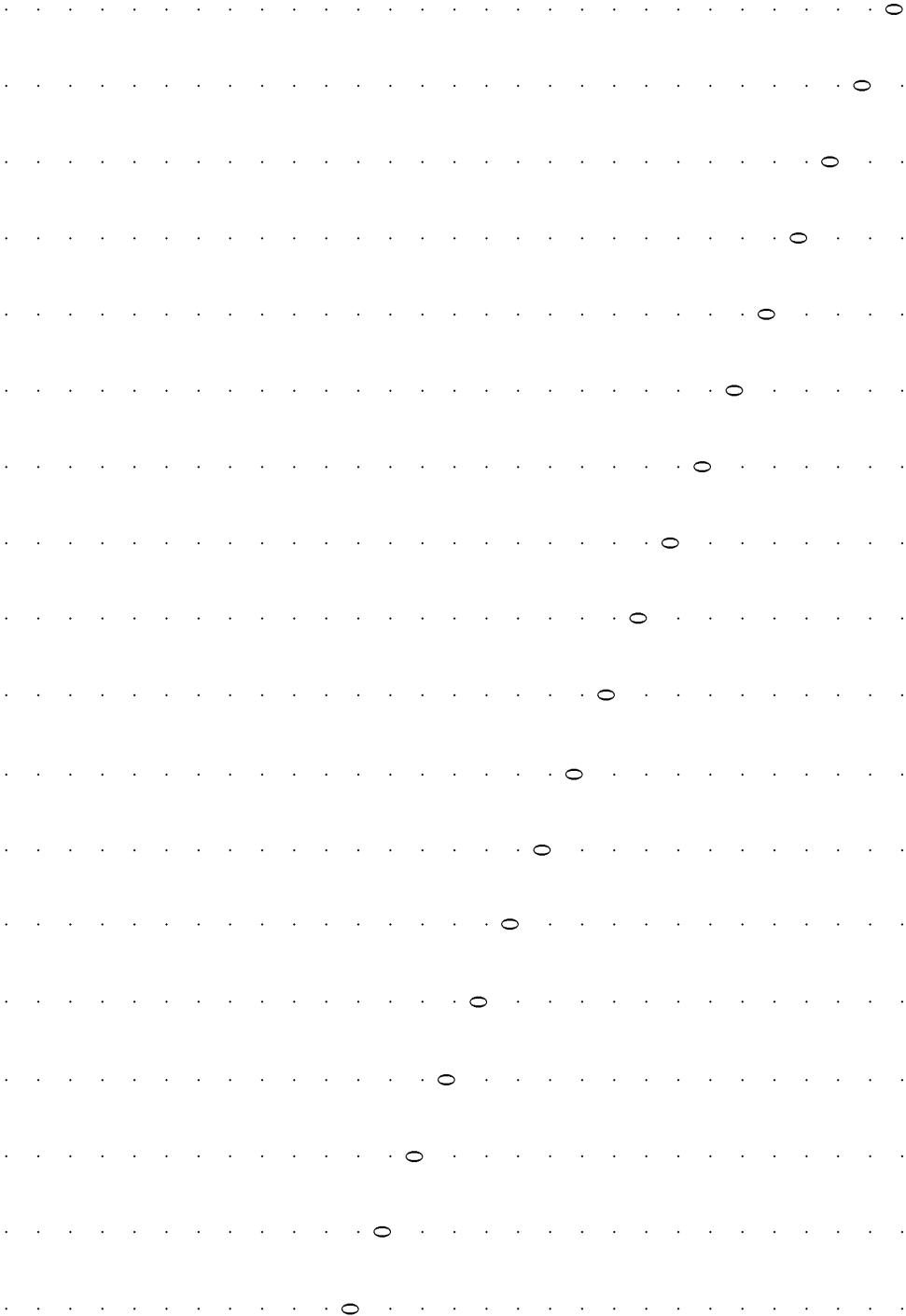


FIG. 13H

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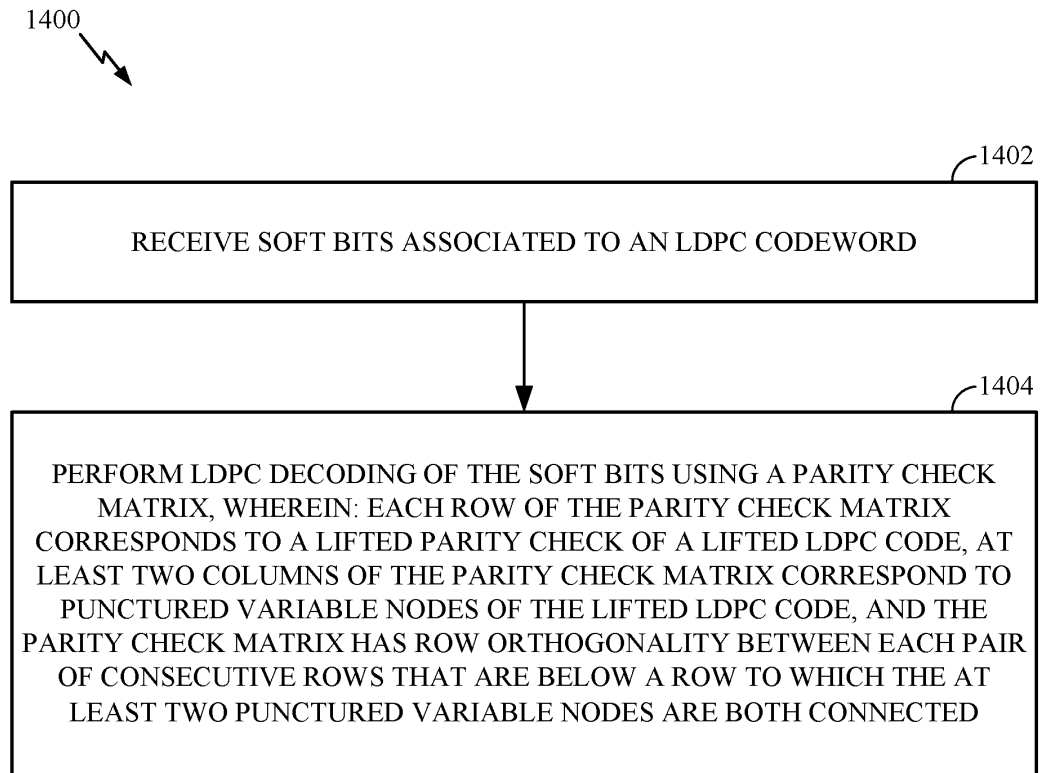


FIG. 14

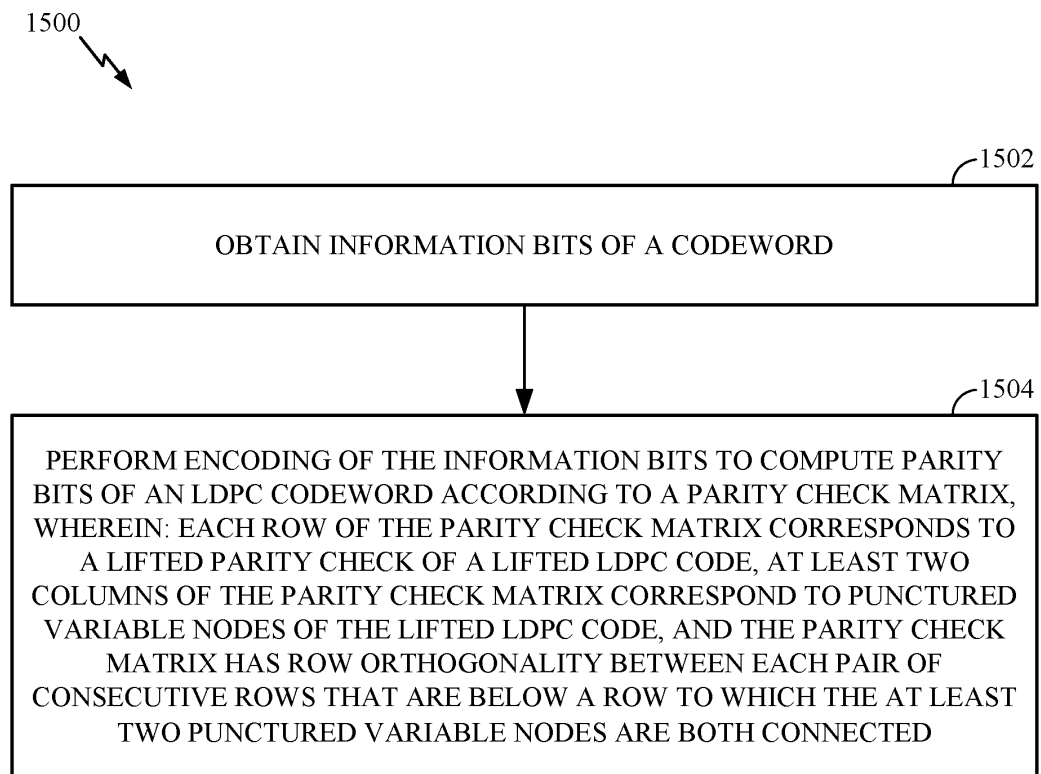


FIG. 15