

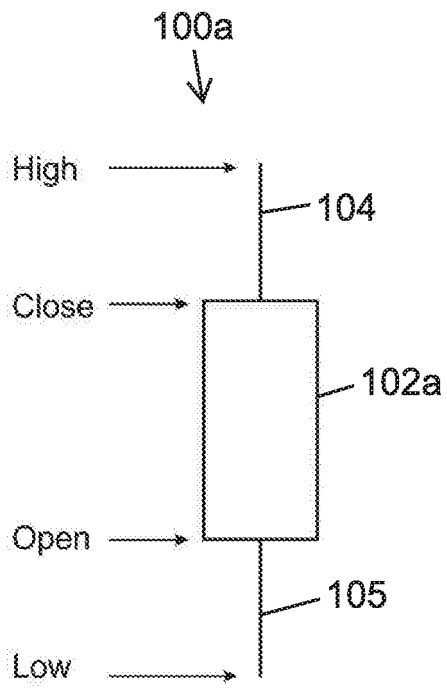


FIG. 1A

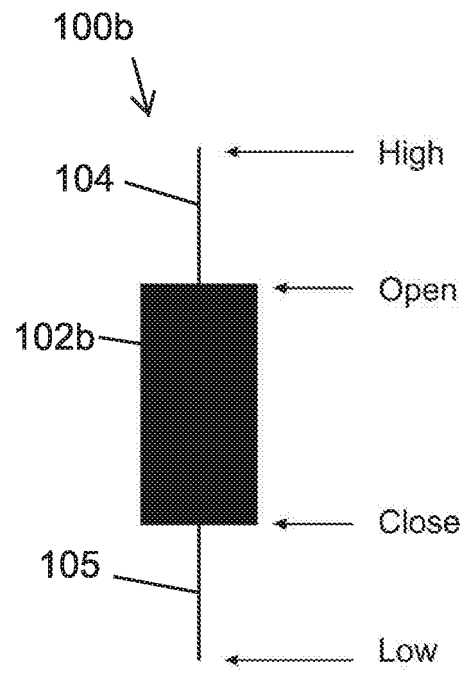


FIG. 1B

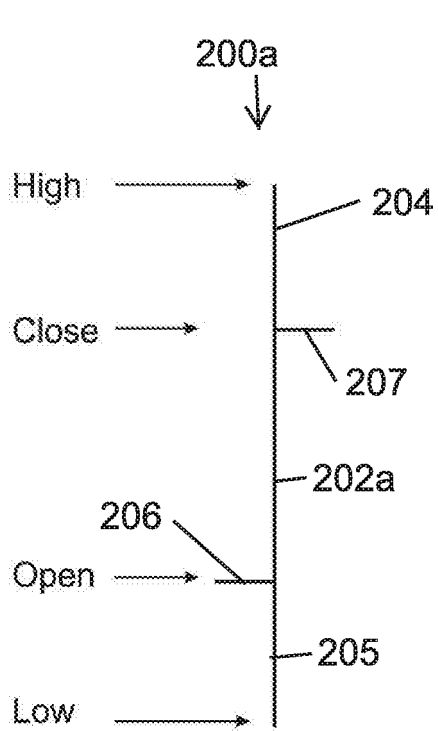


FIG. 2A

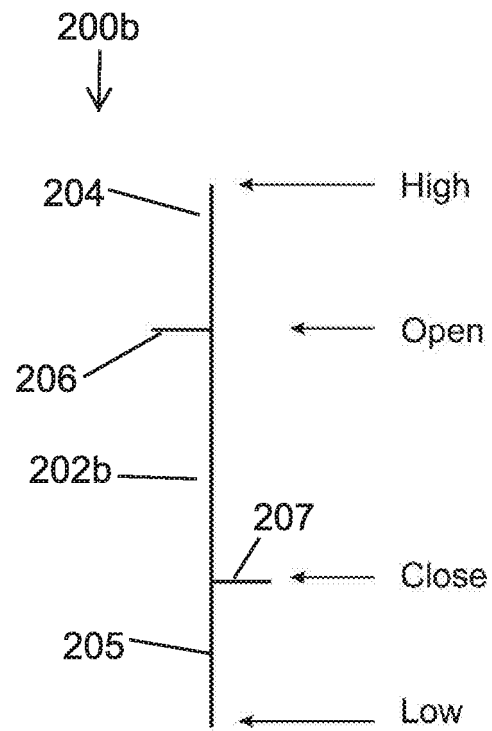
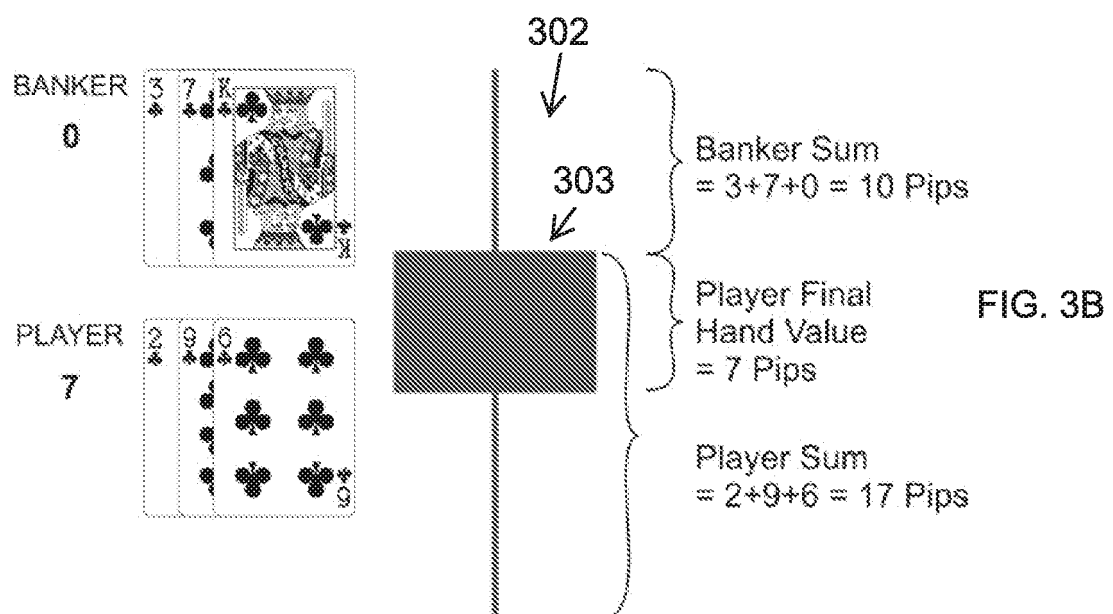
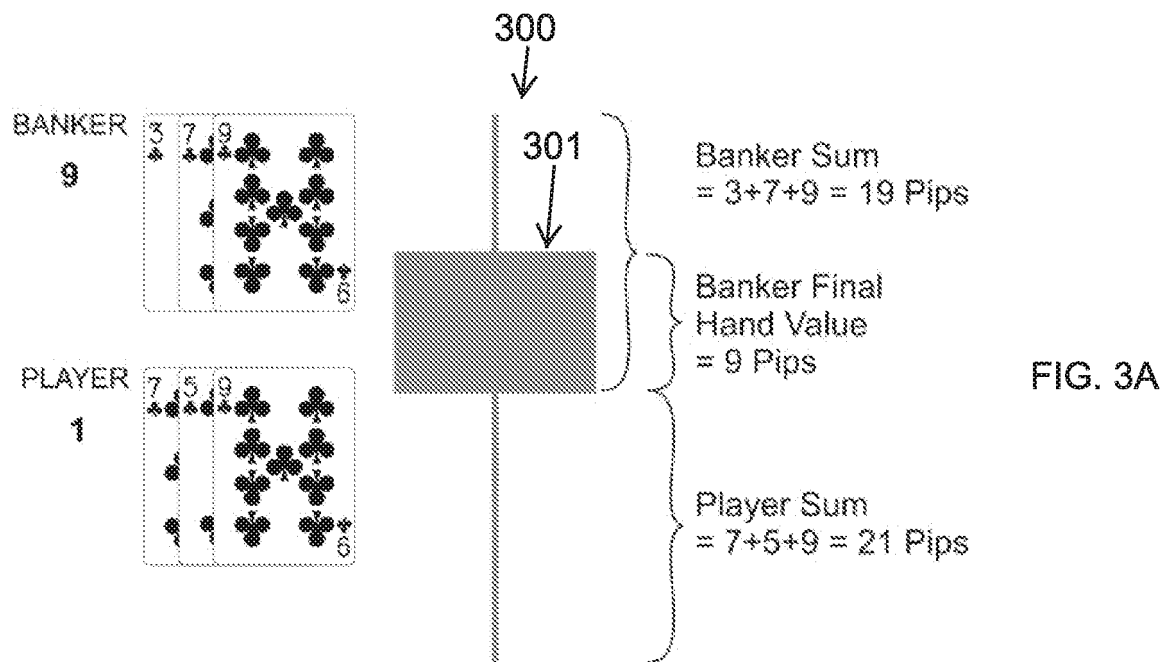
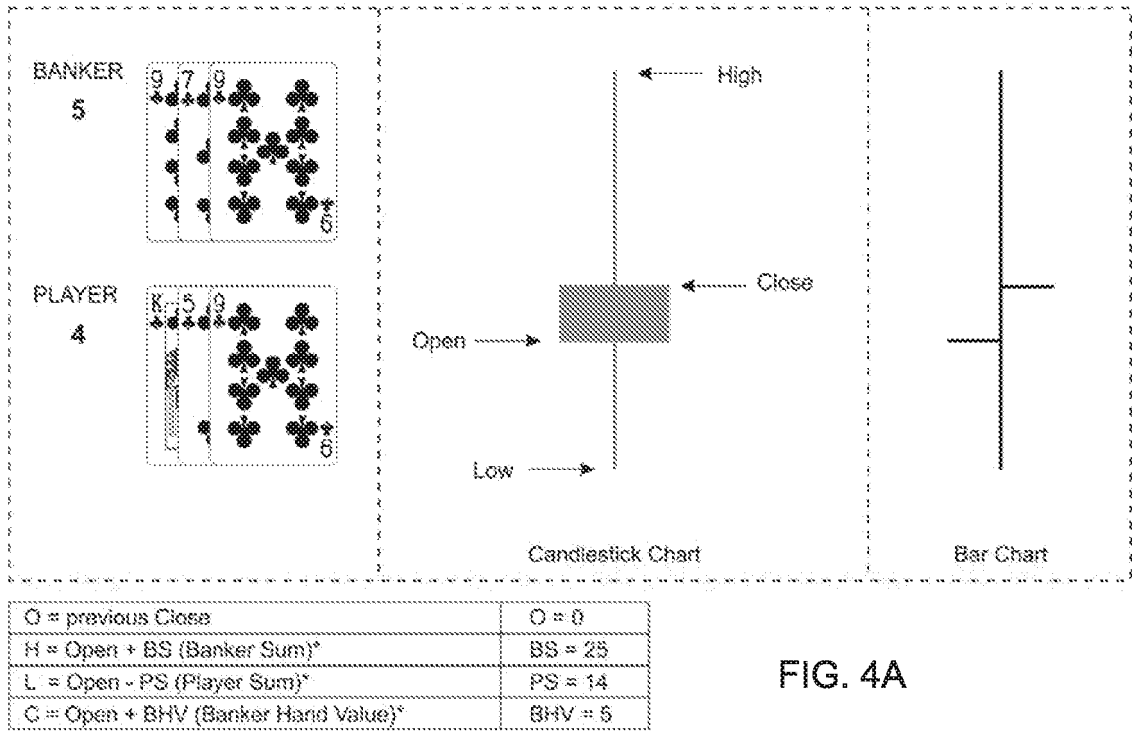
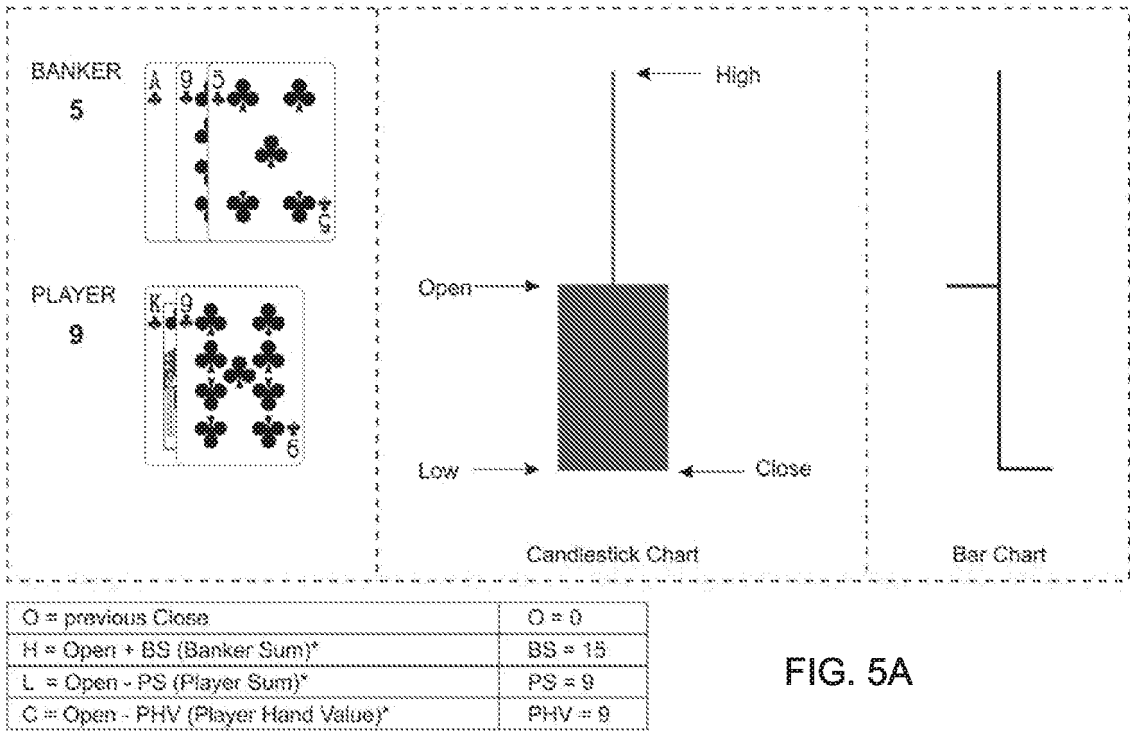


FIG. 2B







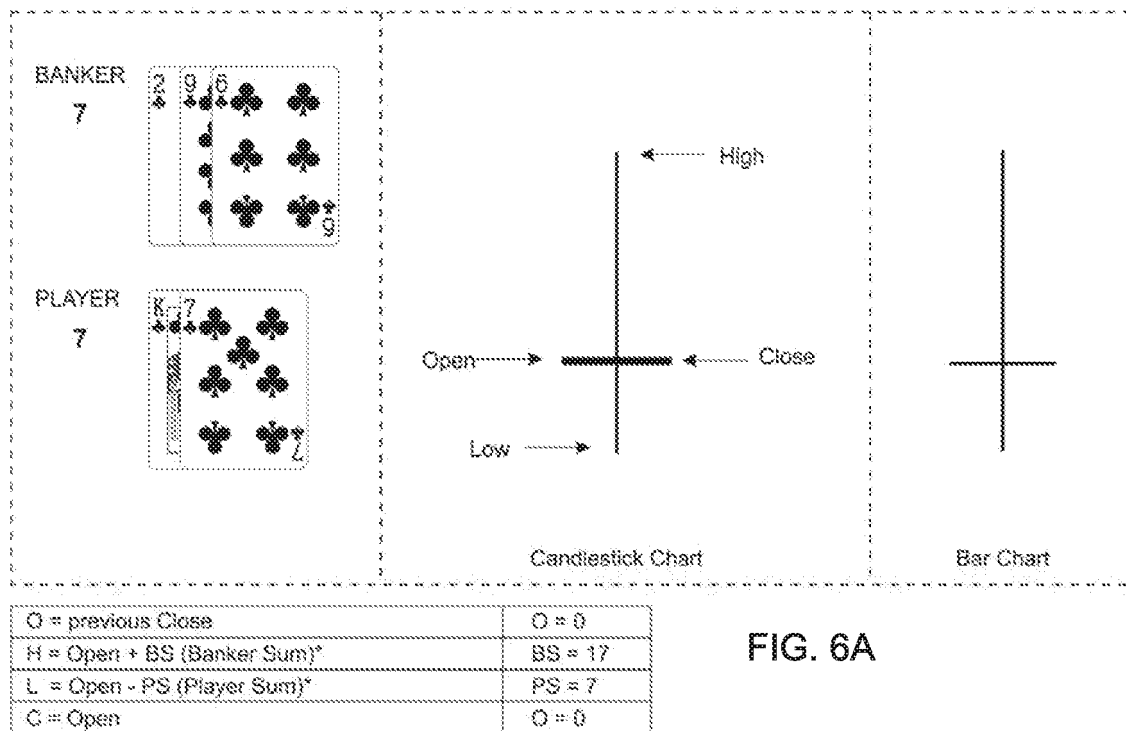


FIG. 6A

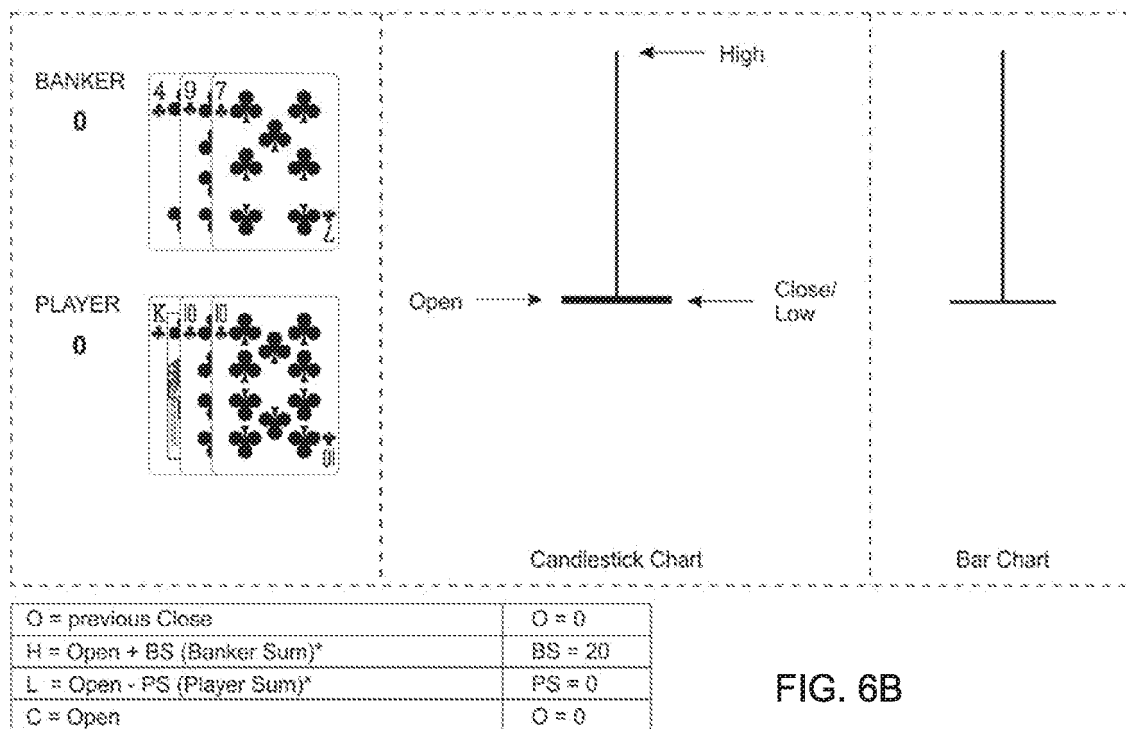


FIG. 6B

FIG. 7A

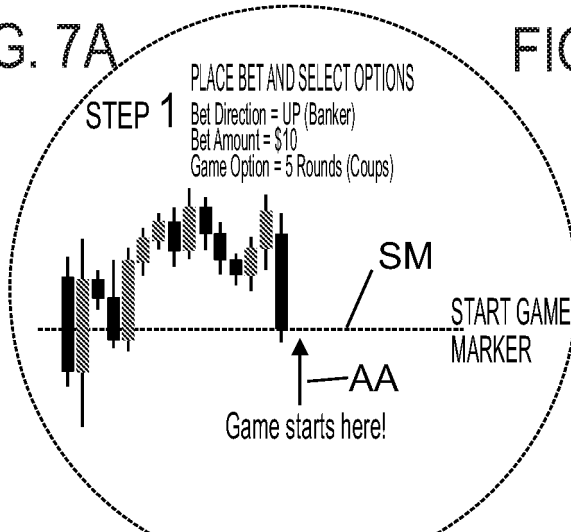


FIG. 7B

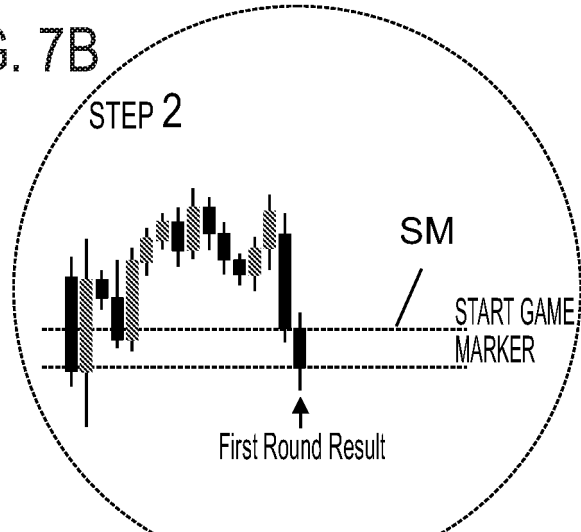


FIG. 7C

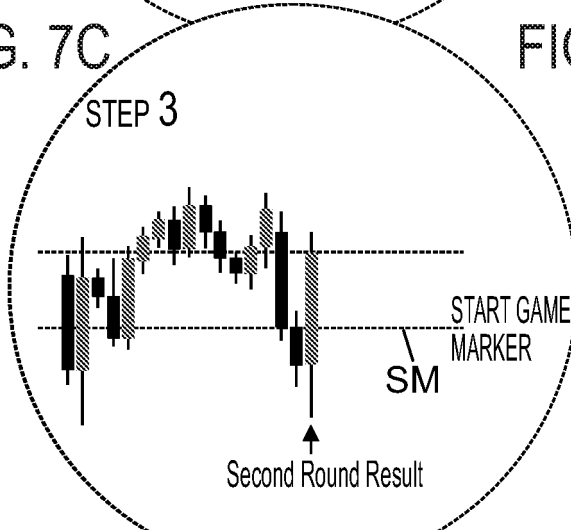


FIG. 7D

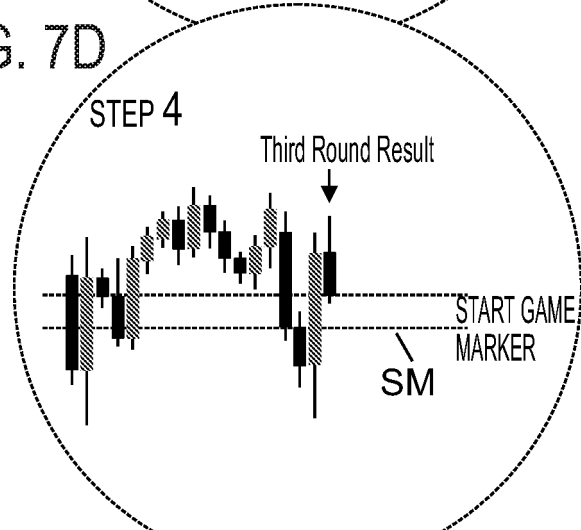


FIG. 7E

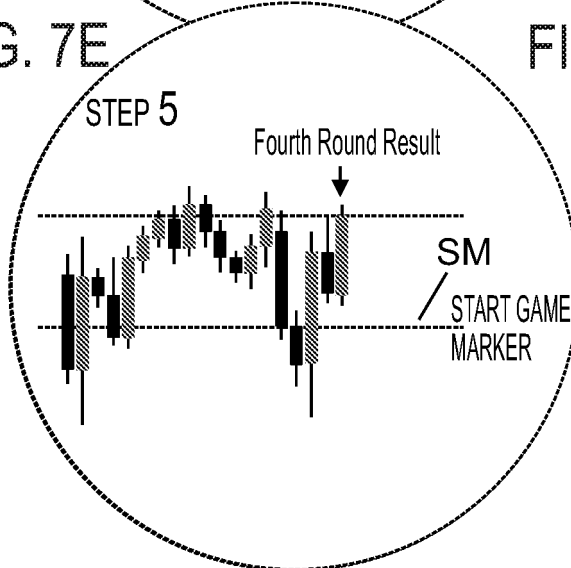
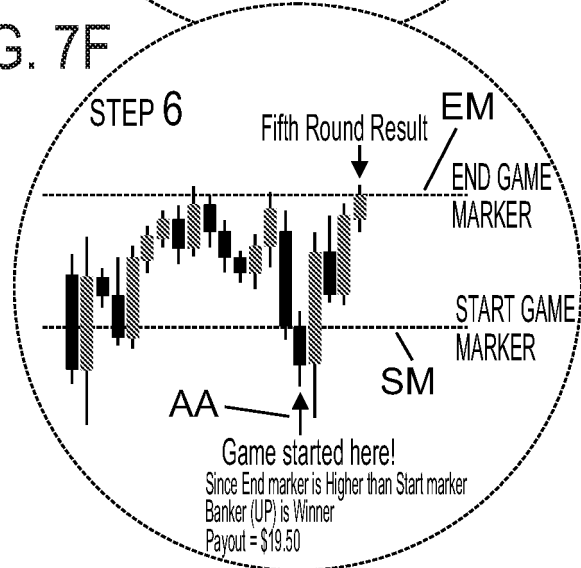
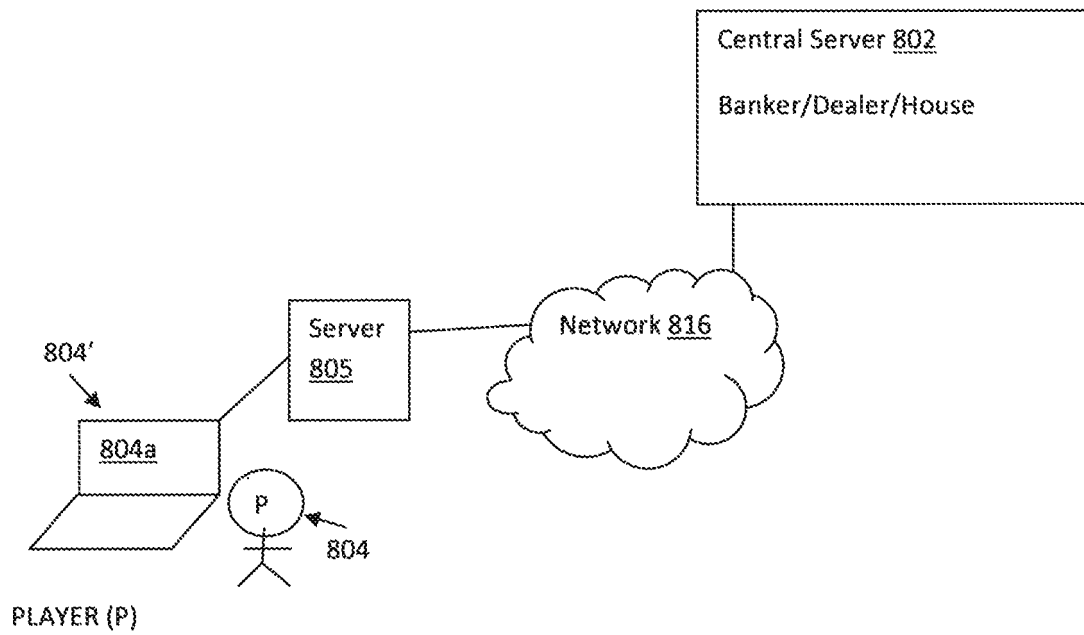
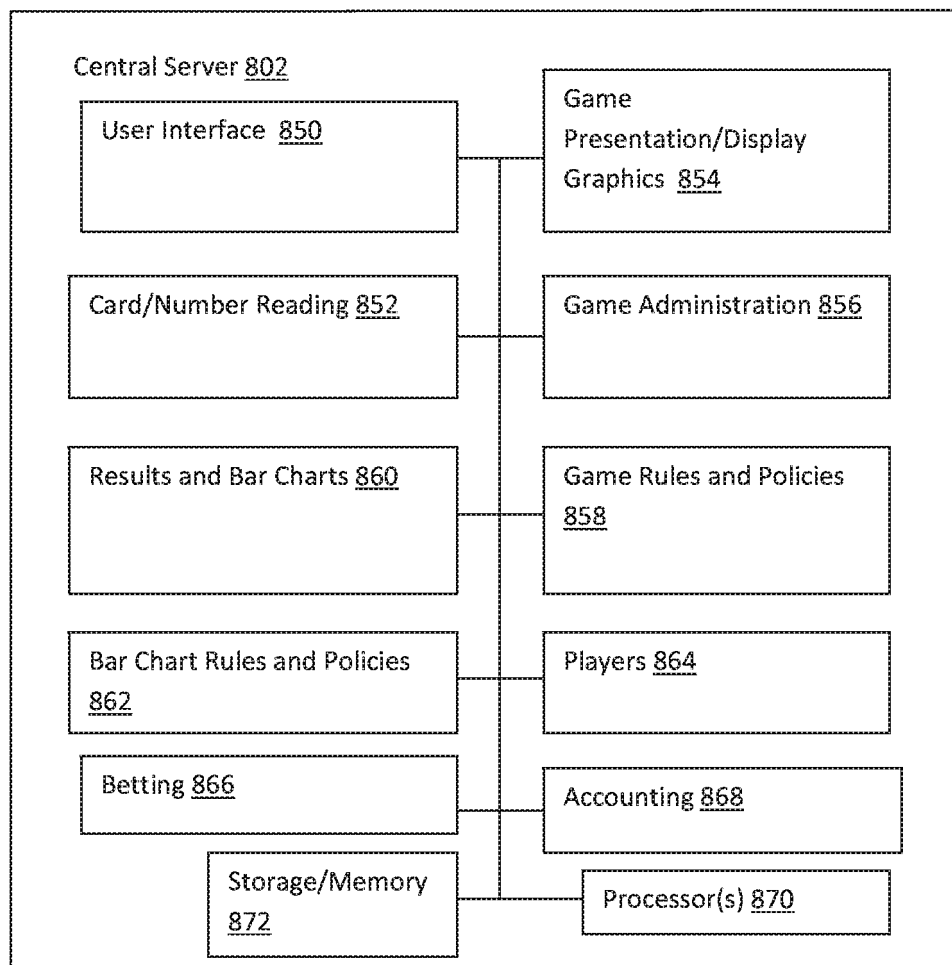
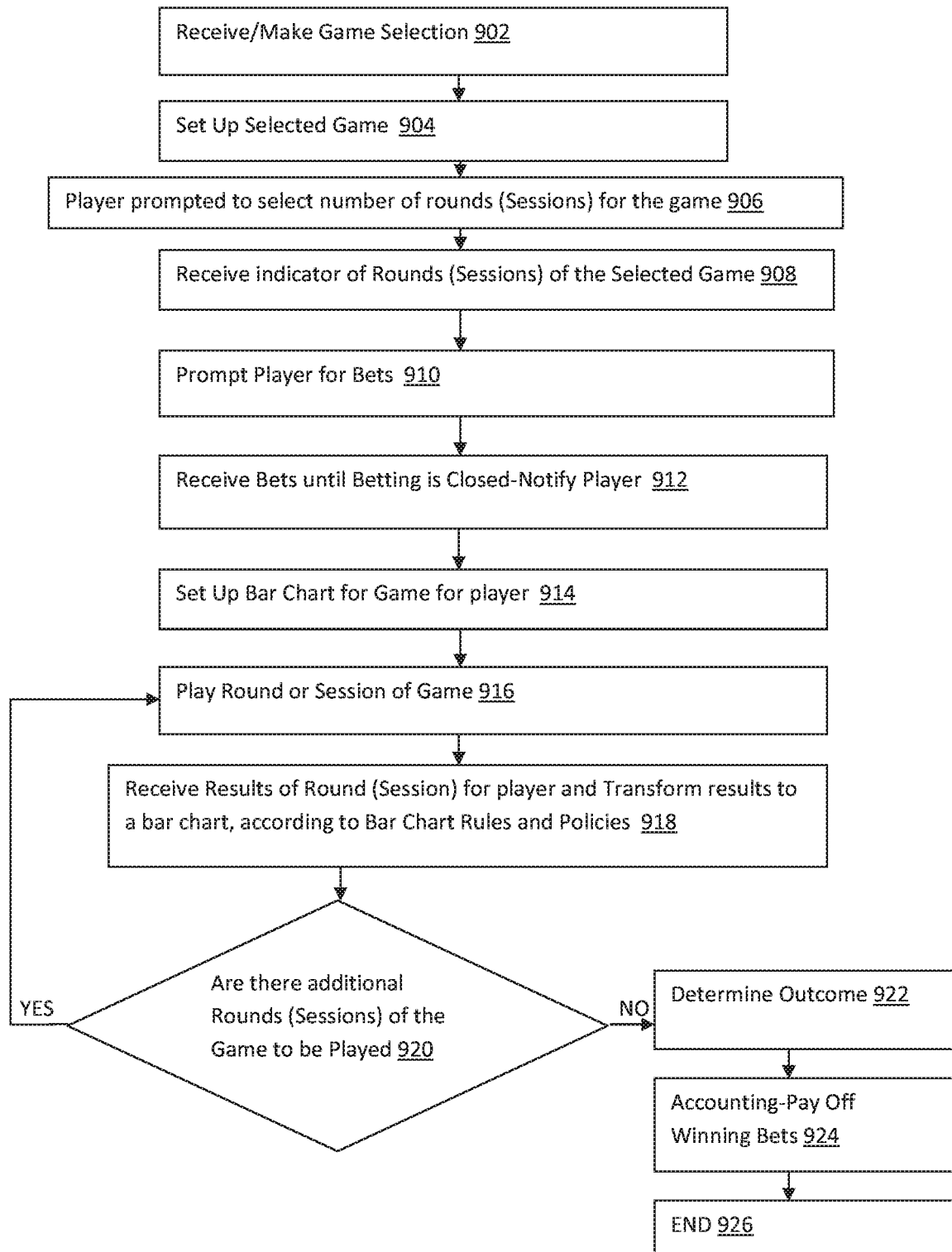


FIG. 7F



**FIG. 8A**

**FIG. 8B**

**FIG. 9**

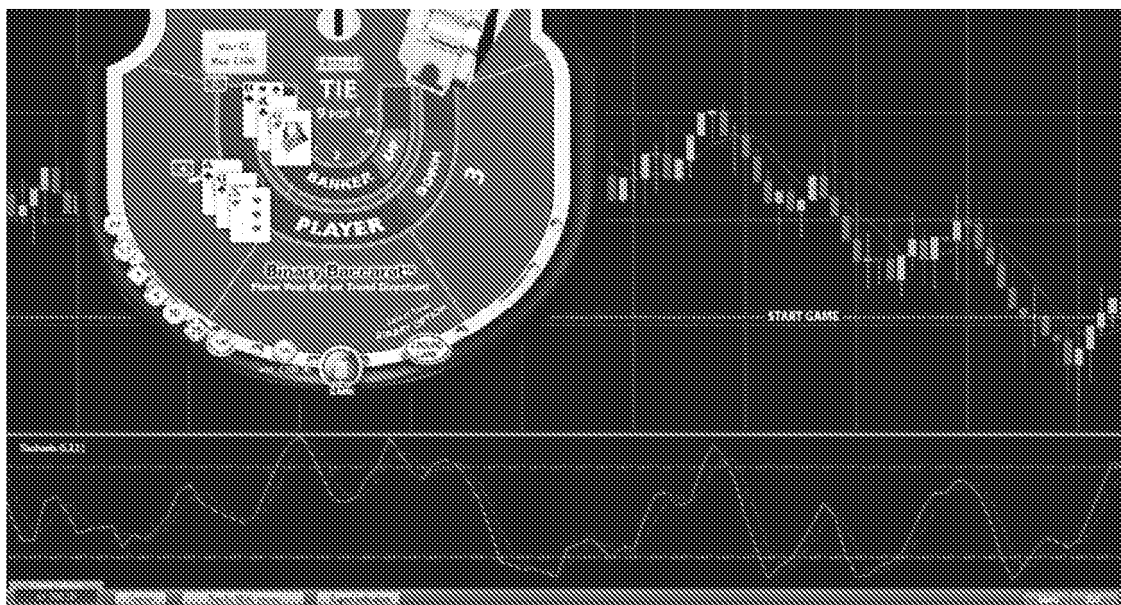


FIG. 10

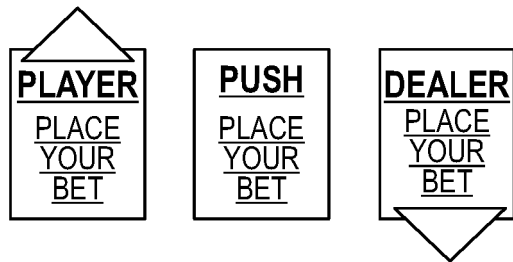


FIG. 11D

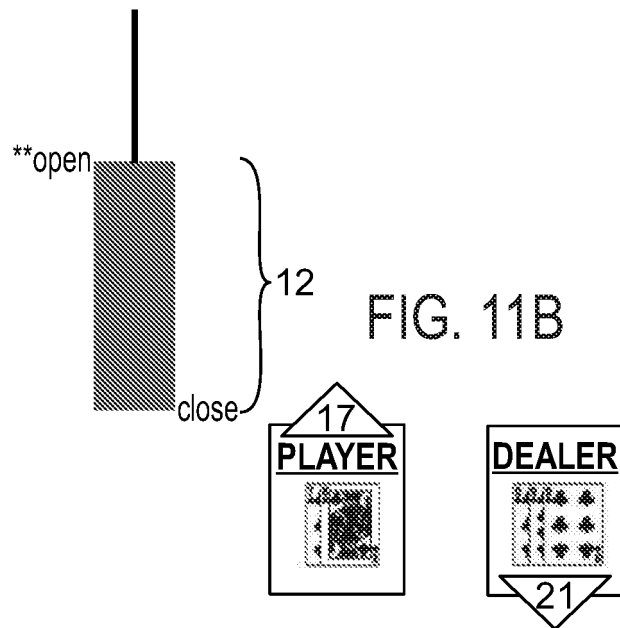


FIG. 11B

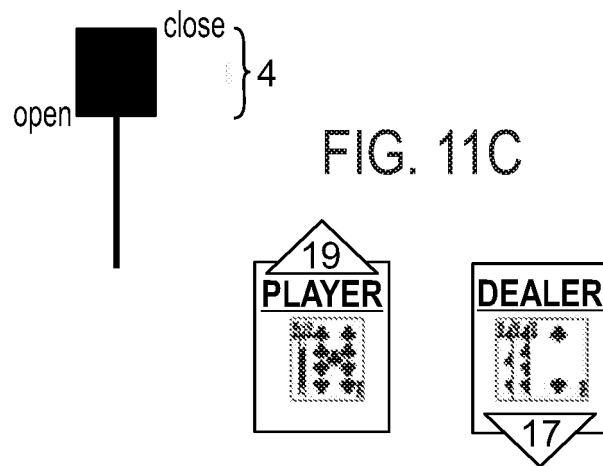


FIG. 11C

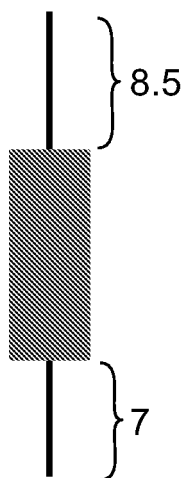


FIG. 11A

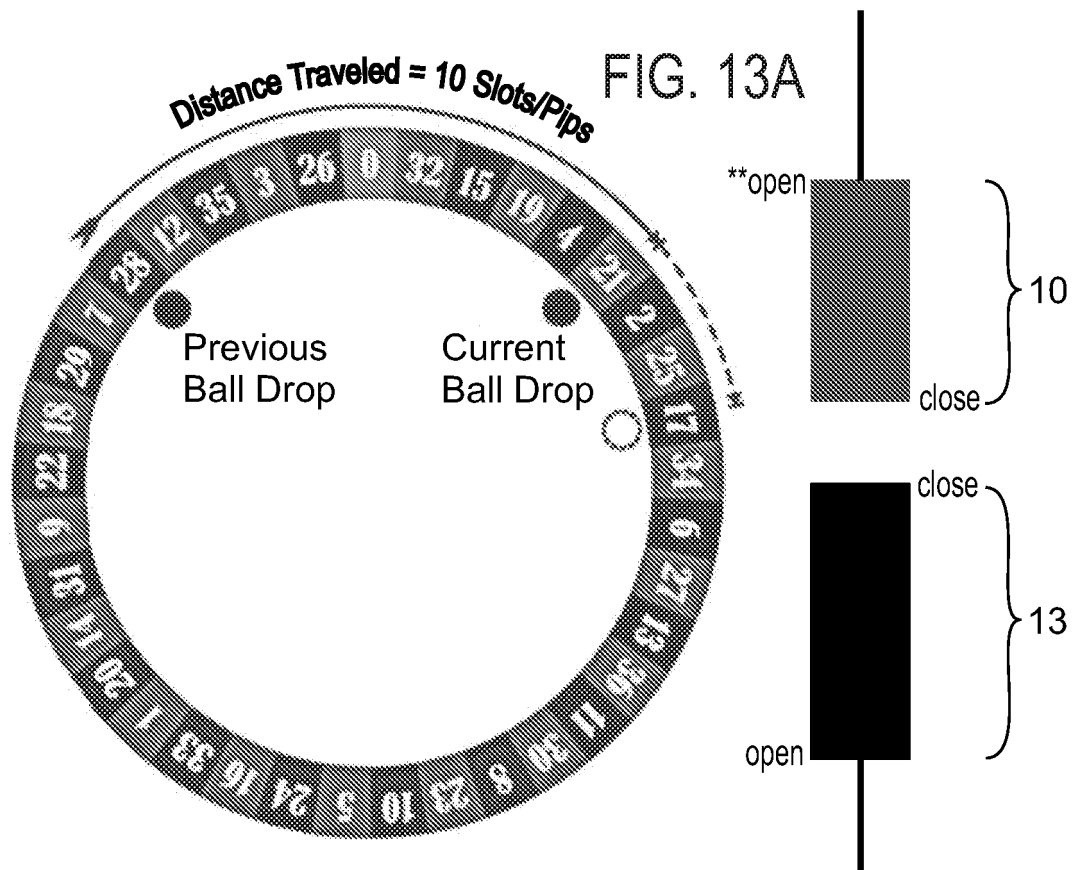
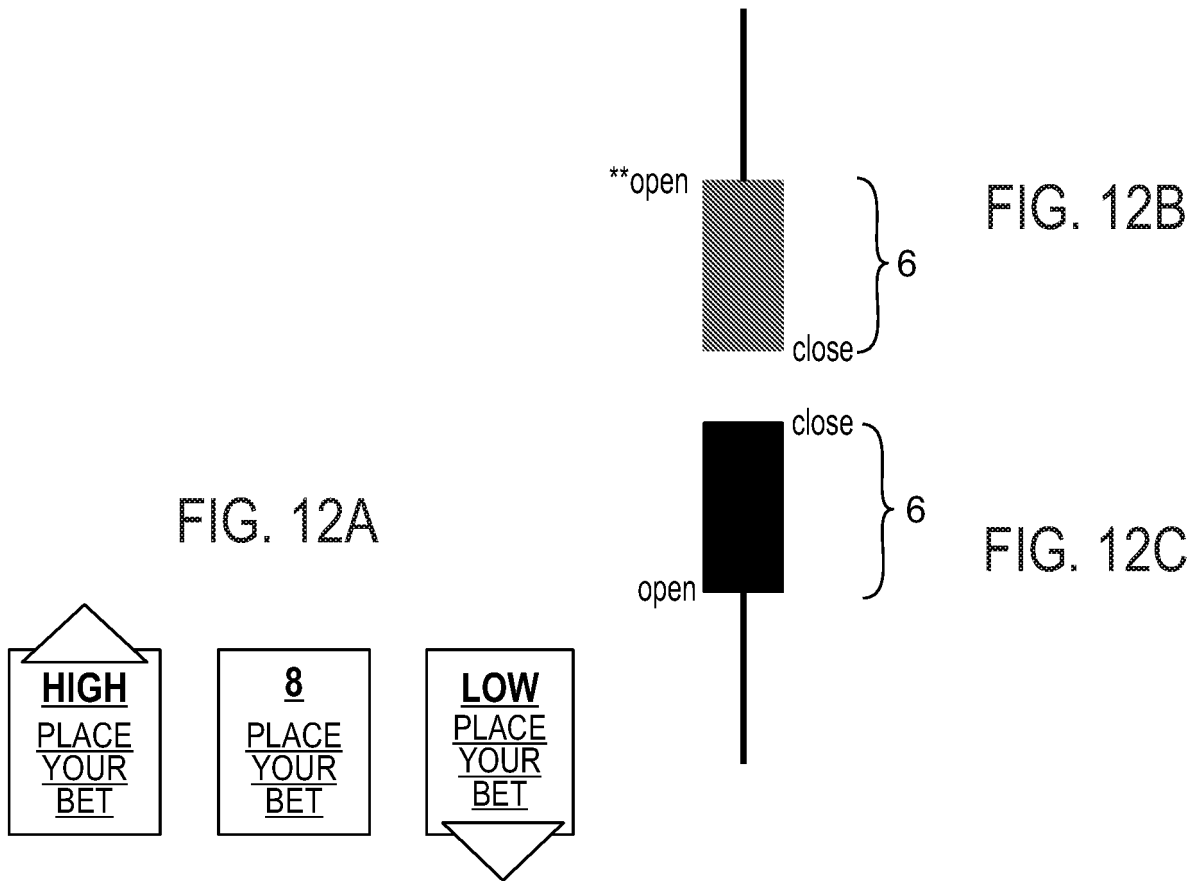


FIG. 13B

Distance Matrix

	32	15	19	4	21	2	25	17	34	6	27	13	36	11	30	8	23	10	5	24	16	33	1	20	14	31	9	22	18	29	7	28	12	35	3	26	0
32	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
15	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
19	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3
4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4
21	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5
2	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6
25	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7
17	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8
34	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9
6	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10
27	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11
13	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12
36	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13
11	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14
30	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15
8	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16
23	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17
10	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18
5	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
24	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
33	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
20	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12	13
14	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11	12
31	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10	11
9	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	10
22	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9
18	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8
29	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7
7	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	7	7	4	3	2	1	0	1	2	3	4	5	6
28	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5
12	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3	4
35	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2	3
3	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1	2
26	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	1
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0

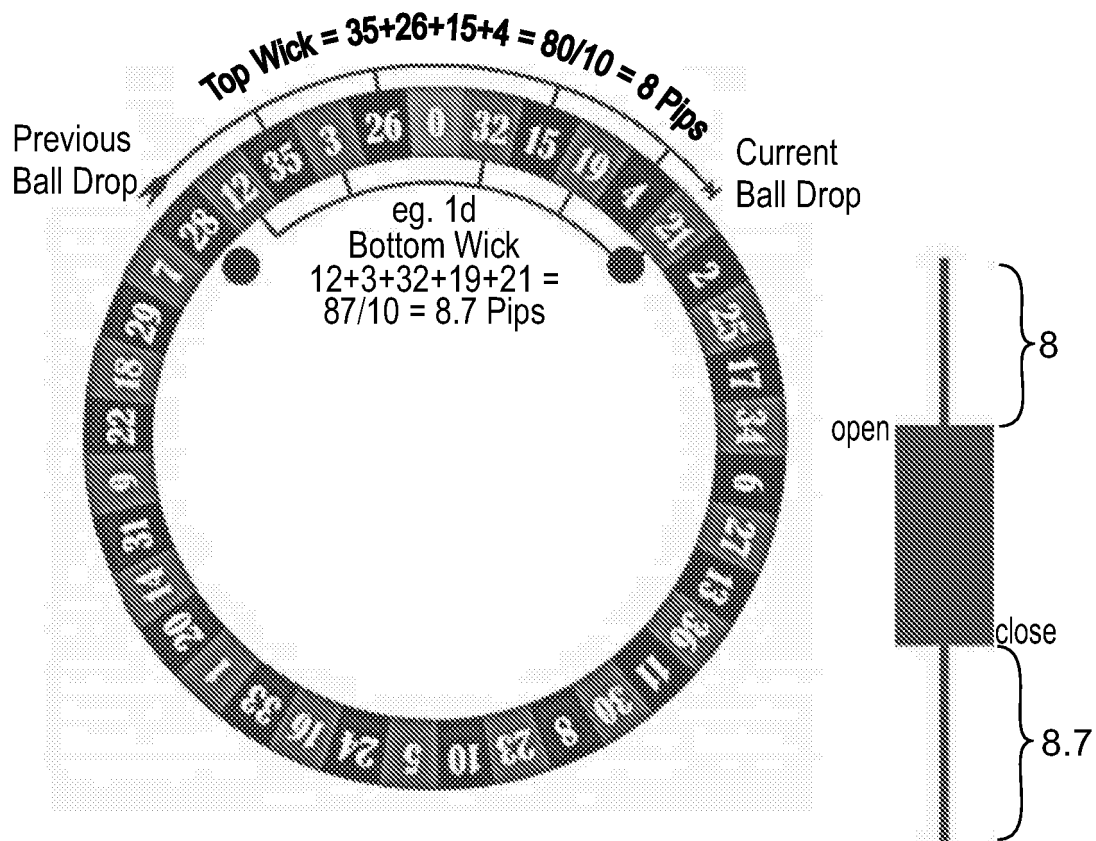


FIG. 13C

FIG. 13D

Top Wick Matrix

	32	19	21	25	34	27	36	30	23	5	16	1	14	9	18	7	12	3	0																		
32	0.0150	7.5	6.3	4.8	4.2	3.5	5.4	4.8	4.4	5.2	4.8	5.2	4.9	5.1	4.8	5.1	4.8	13.8	13.2	14.0	12.7	13.6	13.2	14.3	12.7	14.0	13.1	14.8	12.7	14.8	12.2	15.3	8.7	13.0	0.0		
19	0.0150	0.0	2.0	1.3	1.5	1.2	3.8	3.3	3.6	3.2	4.2	3.8	4.4	4.1	4.4	4.1	4.4	4.2	5.3	12.4	13.2	11.9	12.7	12.2	13.2	11.7	12.7	11.8	13.1	11.1	12.7	10.2	12.2	6.5	8.7	0.0	
21	7.5	15.0	0.0	4.0	2.0	2.0	1.5	4.6	3.8	4.1	3.6	4.7	4.2	4.8	4.4	4.7	4.4	4.7	5.6	5.3	13.3	12.1	12.9	12.4	13.3	11.9	12.9	12.1	13.3	11.6	13.0	10.9	12.7	8.2	10.3	5.0	
25	5.0	7.5	0.0	4.0	0.0	1.0	0.7	4.8	3.8	4.2	3.6	4.8	4.2	4.9	4.5	4.8	4.4	4.8	4.5	5.7	5.4	6.9	11.4	12.1	11.6	12.4	11.1	11.9	11.1	12.1	10.4	11.6	9.5	10.9	6.8	8.2	3.8
34	4.8	6.3	2.0	4.0	0.0	2.0	1.0	6.3	4.8	5.0	4.2	5.4	4.8	5.4	4.9	5.2	4.8	5.2	6.1	5.7	7.3	6.9	11.7	11.2	11.9	10.6	11.4	10.5	11.4	9.8	10.8	8.9	10.0	6.4	7.5	3.8	
27	3.8	4.8	1.3	2.0	0.0	2.0	0.0	8.5	7.5	8.4	6.0	6.0	5.1	5.9	5.2	5.5	5.0	5.4	5.0	6.4	5.9	7.6	7.2	7.9	10.6	11.2	9.9	10.6	9.8	10.5	9.0	9.8	8.0	8.9	5.6	6.4	3.2
36	3.5	4.2	1.5	2.0	1.0	2.0	0.0	7.0	8.5	7.7	5.8	7.2	6.0	6.7	5.9	6.1	5.5	5.9	5.4	6.8	6.4	8.1	7.6	8.4	7.9	10.7	9.5	10.1	9.3	9.9	8.5	9.2	7.5	8.2	5.2	5.9	3.0
30	3.0	3.5	1.2	1.5	0.7	1.0	0.0	7.0	0.0	3.0	2.0	4.8	3.8	5.0	4.3	4.8	4.2	4.8	4.0	6.0	5.5	7.5	7.0	7.8	7.4	8.7	8.9	9.5	8.7	9.3	7.9	8.5	6.8	7.5	4.7	5.2	2.6
23	4.8	5.4	3.8	4.6	4.8	6.3	8.5	7.0	0.0	6.0	3.0	6.3	4.8	6.0	5.0	5.4	4.8	5.3	4.8	6.5	6.0	8.1	7.5	8.3	7.8	9.2	8.7	9.9	9.2	9.8	8.5	9.1	7.6	8.3	5.8	6.4	4.2
5	4.2	4.8	3.3	3.8	3.8	4.8	5.7	8.5	0.0	6.0	0.0	6.5	4.3	6.0	4.8	5.3	4.6	5.3	4.7	6.6	6.0	8.3	7.6	8.5	7.9	9.4	8.8	9.6	8.7	9.2	7.9	8.5	7.1	7.6	5.3	5.8	3.8
16	4.4	4.9	3.6	4.1	4.2	5.0	5.8	7.3	0.0	6.0	0.0	13.0	6.5	8.0	6.0	6.4	5.3	6.0	5.3	7.3	6.6	9.0	8.3	9.2	8.5	10.0	9.4	10.1	9.6	9.0	7.8	8.3	7.0	7.5	5.4	5.8	4.0
1	4.0	4.4	3.2	3.6	3.6	4.2	4.6	5.8	2.0	3.0	0.0	13.0	0.0	5.5	11.6	4.8	3.8	4.8	4.1	6.6	5.9	8.6	7.8	8.8	8.2	9.8	9.1	9.9	9.4	10.4	7.4	7.8	6.6	7.0	5.0	5.4	3.7
14	4.8	5.2	4.2	4.7	4.8	5.4	6.0	7.2	4.8	6.3	6.5	13.0	0.0	11.0	5.5	6.3	4.8	5.8	4.8	7.6	6.6	9.6	8.6	9.6	8.8	10.5	9.8	10.6	9.9	11.1	10.4	8.1	6.9	7.4	5.5	5.9	4.4
9	4.4	4.8	3.8	4.2	4.2	4.8	5.1	6.0	3.8	4.4	4.3	6.5	0.0	11.0	0.0	4.0	2.7	4.5	3.6	7.0	6.0	9.4	8.3	9.5	8.6	10.5	9.7	10.6	9.9	11.1	10.4	11.4	6.6	6.9	5.2	5.5	4.1
18	4.9	5.2	4.4	4.8	4.9	5.4	5.9	6.7	5.0	6.0	6.0	5.5	11.0	0.0	8.0	4.0	6.0	6.0	4.5	8.4	7.0	10.7	9.4	10.6	9.5	11.5	10.5	11.4	10.6	11.8	11.1	11.2	11.4	7.2	5.5	5.9	4.5
7	4.5	4.9	4.1	4.4	4.5	4.9	5.2	5.9	4.3	5.0	4.8	6.0	3.7	5.5	0.0	8.0	0.0	5.0	3.3	8.5	6.8	11.2	9.8	10.9	9.7	11.8	10.7	11.7	10.8	12.1	11.3	11.2	11.6	12.9	5.2	5.5	4.3
12	4.8	5.1	4.4	4.7	4.8	5.2	5.5	6.1	4.8	5.4	5.3	6.4	4.8	6.3	4.0	8.0	0.0	10.0	2.0	11.3	8.5	13.4	11.2	12.4	10.9	13.1	11.8	12.7	11.7	13.0	12.1	13.1	11.2	13.6	12.9	5.7	4.5
3	4.5	4.8	4.1	4.4	4.4	4.8	5.0	5.5	4.2	4.8	4.6	5.3	3.8	4.8	2.7	4.0	0.0	10.0	0.0	12.0	8.0	14.3	11.4	12.8	11.0	13.5	12.0	13.0	11.8	13.3	12.2	13.4	12.5	13.9	13.1	13.8	4.2
13	5.4	5.1	4.4	4.7	4.8	5.2	5.4	5.9	4.8	5.3	5.3	6.0	4.8	5.8	4.5	6.0	5.0	10.0	0.0	20.0	12.0	19.0	14.3	15.4	12.8	15.4	13.5	14.4	13.0	14.5	13.3	14.4	13.4	14.8	13.9	14.6	13.8
2	12.4	4.8	4.2	4.4	4.5	4.8	5.0	5.4	4.4	4.8	4.7	5.3	4.1	4.8	3.6	4.5	3.3	5.0	0.0	24.0	0.0	16.5	11.0	13.3	10.6	14.0	12.0	13.3	11.8	13.5	12.3	13.6	12.5	14.1	13.2	14.0	13.2
15	13.2	13.3	5.3	5.6	5.7	6.1	6.4	6.8	6.0	6.5	6.6	7.3	6.6	7.6	7.0	8.4	8.5	11.3	12.0	24.0	0.0	33.0	16.5	17.7	13.3	16.8	14.0	15.1	13.3	15.0	13.5	14.8	13.6	15.2	14.1	14.9	14.0
31	11.9	12.1	11.4	5.3	5.4	5.7	5.9	6.4	5.6	6.0	6.6	5.9	6.6	6.0	7.0	6.8	8.5	8.0	12.0	0.0	33.0	0.0	10.0	6.7	12.8	10.2	12.2	10.4	12.8	11.3	13.0	11.8	13.8	12.7	13.6	12.7	
17	12.7	12.9	12.1	11.7	6.9	7.3	7.6	8.1	7.5	8.1	8.3	9.0	8.6	9.6	9.4	10.7	11.2	13.4	14.3	19.0	16.5	33.0	0.0	20.0	10.0	17.0	12.8	14.6	12.2	14.6	12.8	14.4	13.0	15.0	13.8	14.7	13.6
22	12.2	12.4	11.6	11.2	10.6	6.9	7.2	7.6	7.0	7.5	7.6	8.3	7.8	8.6	8.3	9.4	9.6	11.2	11.4	14.3	11.0	16.5	0.0	20.0	0.0	15.5	10.3	13.3	10.6	13.7	11.7	13.8	12.2	14.5	13.2	14.3	13.2
14	13.2	13.3	12.4	11.9	11.2	10.7	7.9	8.4	7.8	8.3	8.5	9.2	8.8	9.6	9.5	10.6	10.9	12.4	12.8	15.4	13.3	17.7	10.0	20.0	0.0	31.0	15.5	17.7	13.3	16.4	13.7	15.7	13.8	16.1	14.5	15.5	14.3
33	11.7	11.9	11.1	11.0	9.9	9.5	9.8	7.9	7.4	7.8	7.9	8.5	8.2	8.8	8.6	9.5	9.7	10.9	11.0	12.8	10.6	13.3	6.7	10.0	0.0	31.0	0.0	11.0	7.3	12.8	10.2	13.2	11.3	14.3	12.7	14.0	12.7
9	12.7	12.9	11.9	11.4	10.6	10.1	9.5	9.9	7.9	7.2	7.9	10.0	9.8	10.5	10.5	11.5	11.8	13.1	13.5	15.4	14.0	16.8	12.8	17.0	15.5	31.0	0.0	22.0	11.0	17.0	15.8	13.2	16.3	14.3	15.6	14.0	
28	11.8	12.1	11.1	11.0	9.8	9.3	8.7	9.2	7.8	7.8	8.8	9.4	9.1	9.8	9.7	10.5	10.7	11.8	12.0	13.5	12.0	14.0	10.2	12.8	10.3	15.5	0.0	22.0	0.0	14.5	9.7	14.3	11.4	15.3	13.1	14.8	13.1
18	13.1	13.3	12.1	11.4	10.5	9.9	9.3	9.8	7.9	7.9	9.6	10.1	9.9	10.6	10.6	11.4	11.7	12.7	13.0	14.4	13.3	15.1	12.2	14.6	13.3	17.7	11.0	22.0	0.0	29.0	14.5	19.0	14.3	18.4	15.3	16.9	14.8
26	11.1	11.6	10.4	9.8	9.0	8.5	7.9	8.5	7.7	7.4	7.4	9.6	9.4	9.9	9.9	10.6	10.8	11.7	11.8	13.0	11.8	13.3	10.4	12.2	10.6	13.3	7.3	11.0	0.0	29.0	0.0	14.0	9.3	15.8	12.6	14.8	12.7
7	12.7	13.0	11.6	10.8	9.8	9.2	8.5	9.1	8.5	8.3	7.8	8.1	10.4	11.1	11.1	11.8	12.1	13.0	13.3	14.5	13.5	15.0	12.8	14.6	13.7	16.4	12.8	17.0	14.5	29.0	0.0	28.0	14.0	15.8	17.8	14.8	
23	10.2	10.9	9.5	8.9	8.0	7.5	6.8	7.6	7.1	7.0	6.6	6.9	6.6	10.4	9.8	11.1	11.3	12.1	12.2	13.3	12.3	13.5	11.3	12.8	11.7	13.7	10.2	12.8	9.7	14.5	0.0	28.0	0.0	17.5	11.7	15.3	12.2
12	12.2	12.7	10.9	10.0	8.9	8.2	7.5	8.3	7.6	7.5	7.0	7.4	6.9	7.2	11.4	12.1	12.3	13.1	13.4	14.4	13.6	14.8	13.0	14.4	13.8	15.7	13.2	15.8	14.3	19.0	14.0	28.0	0.0	35.0	17.5	20.3	15.3
3	6.5	8.2	6.8	6.4	5.6	5.2	4.7	5.8	5.3	5.4	5.0	5.5	5.2	5.5	5.2	11.4	11.6	12.3	12.5	13.4	12.5	13.6	11.8	13.0	12.2	13.8	11.3	13.2	11.4	14.3	9.3	14.0	0.0	35.0	0.0	13.0	8.7
31	8.7	10.3	8.2	7.5	6.4	5.9	5.2	6.4	5.8	5.8	5.4	5.9	5.5	5.9	5.5	5.7	12.9	13.6	13.9	14.8	14.1	15.2	13.8	15.0	14.5	16.1	14.3	16.3	15.3	18.4	15.8	21.0	17.5	35.0	0.0	26.0	13.0
2	0.0	5																																			

Bottom Wick Matrix

	32	19	21	25	34	27	36	30	23	5	16	1	14	9	18</
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