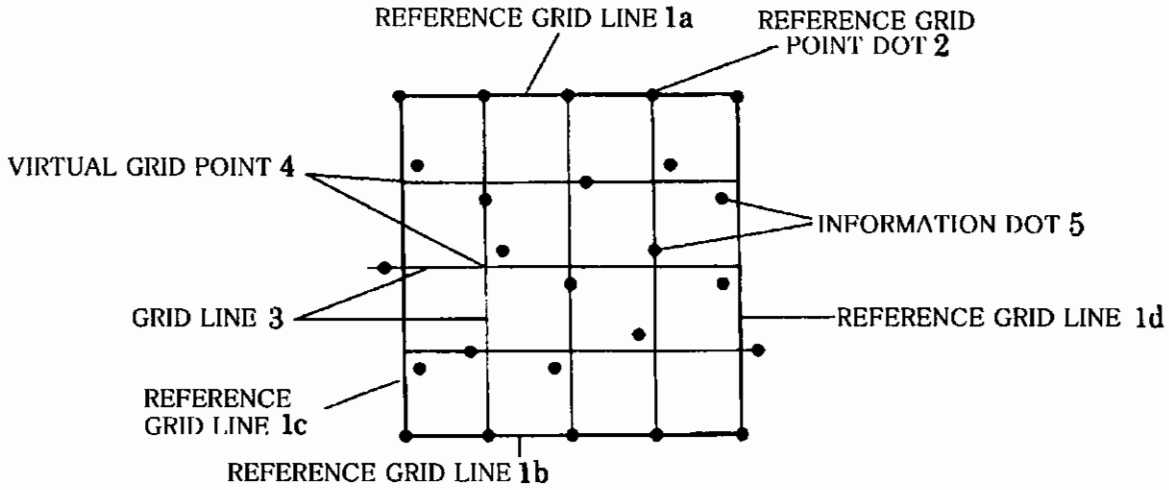
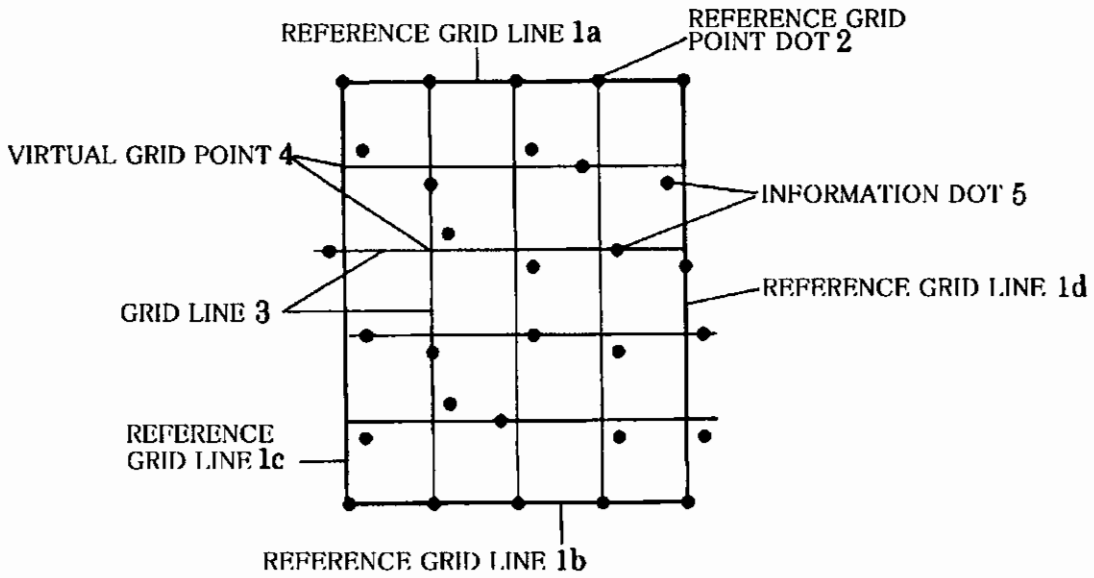
FIG. 1

(a)


REFERENCE GRID LINE 1a
REFERENCE GRID POINT DOT 2
VIRTUAL GRID POINT 4
INFORMATION DOT 5
GRID LINE 3
REFERENCE GRID LINE 1d
REFERENCE GRID LINE 1c
REFERENCE GRID LINE 1b

(b)


REFERENCE GRID LINE 1a
REFERENCE GRID POINT DOT 2
VIRTUAL GRID POINT 4
INFORMATION DOT 5
GRID LINE 3
REFERENCE GRID LINE 1d
REFERENCE GRID LINE 1c
REFERENCE GRID LINE 1b

(c)

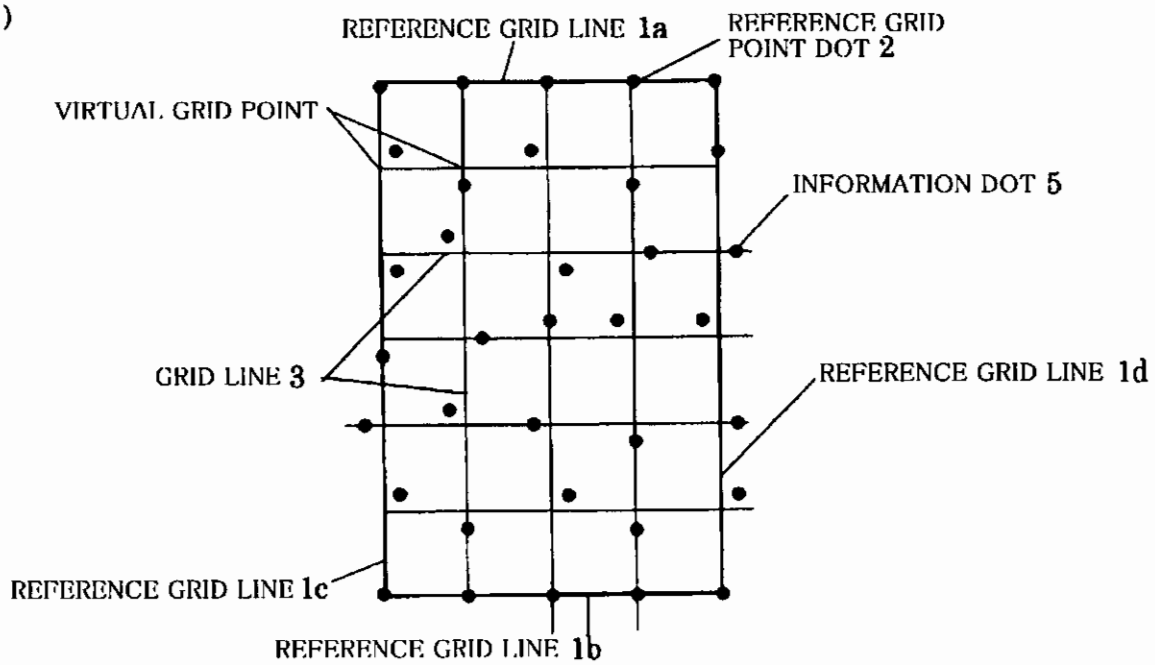

REFERENCE GRID LINE 1a
REFERENCE GRID POINT DOT 2
VIRTUAL GRID POINT
INFORMATION DOT 5
GRID LINE 3
REFERENCE GRID LINE 1d
REFERENCE GRID LINE 1c
REFERENCE GRID LINE 1b

FIG. 2

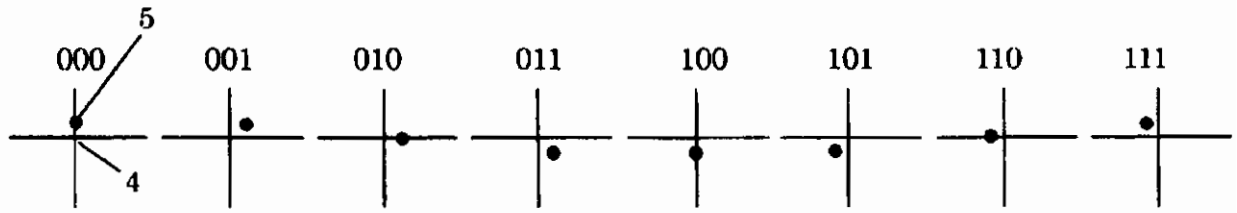


FIG. 3

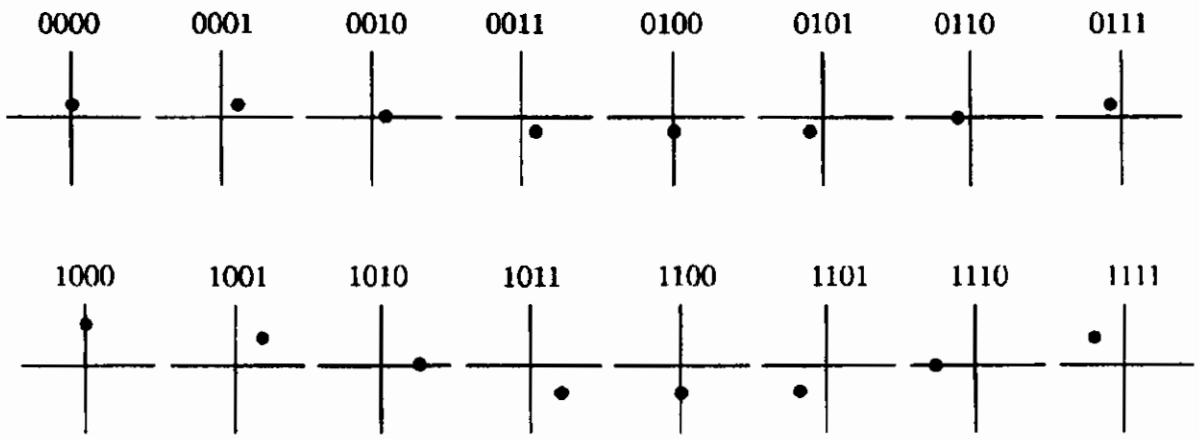


FIG. 4

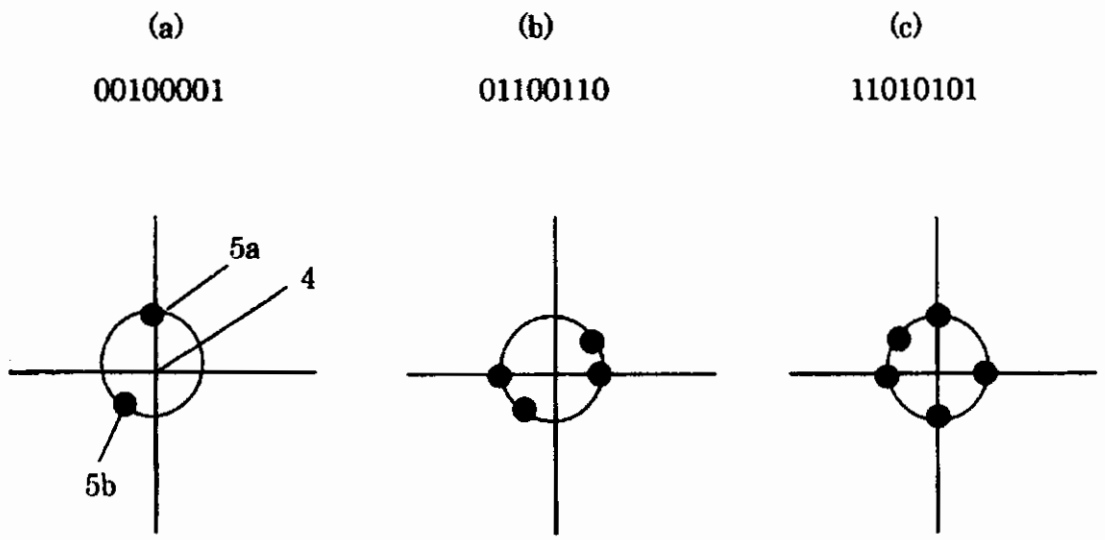


FIG. 5

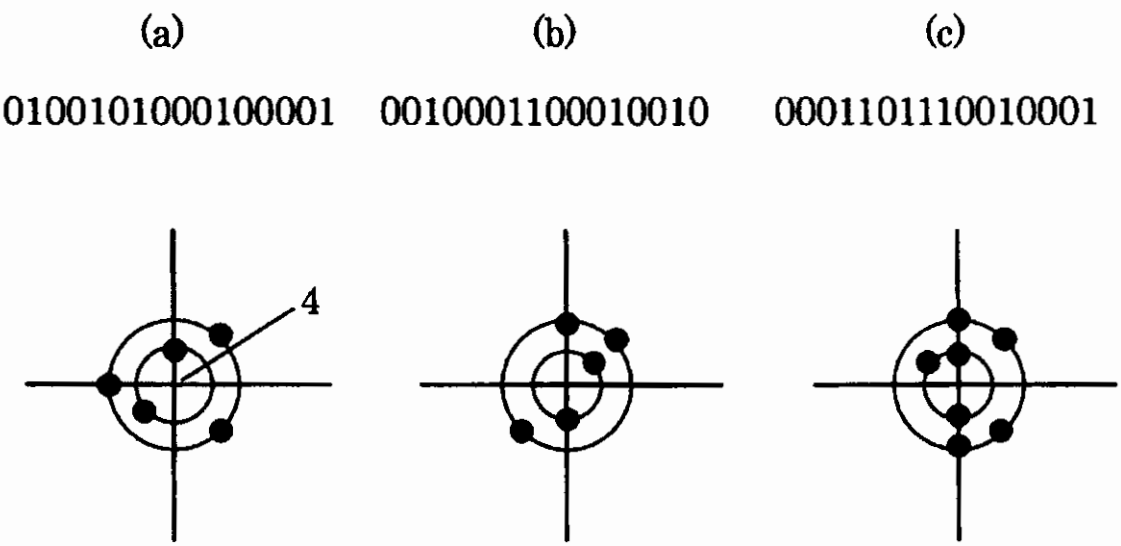

(a)
(b)
(c)
0100101000100001
0010001100010010
0001101110010001
4

FIG. 6

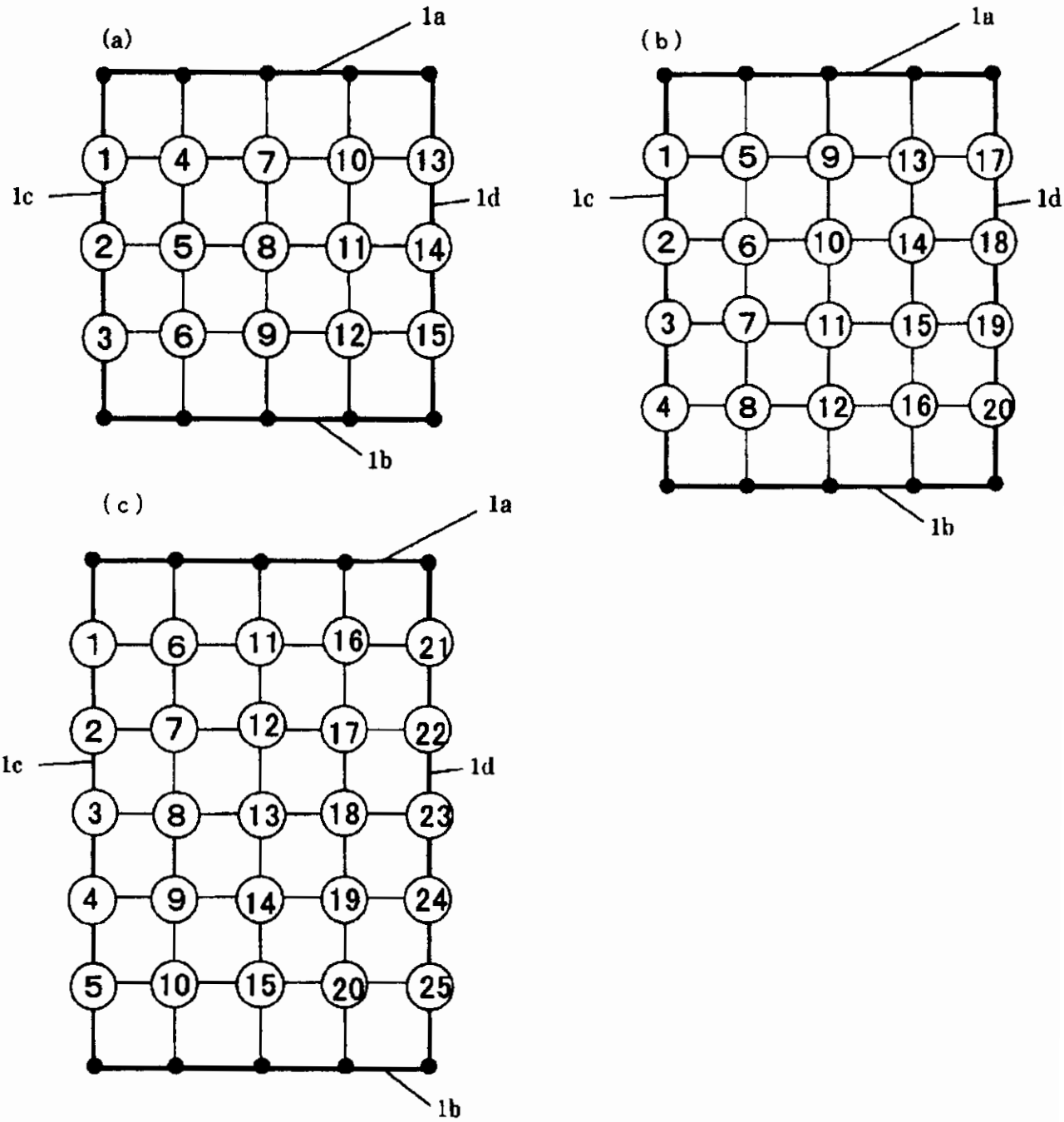

(a)
1a
1
4
7
10
13
1c
1d
2
5
8
11
14
3
6
9
12
15
1b
(b)
1a
1
5
9
13
17
1c
1d
2
6
10
14
18
3
7
11
15
19
4
8
12
16
20
1b
(c)
1a
1
6
11
16
21
2
7
12
17
22
1c
1d
3
8
13
18
23
4
9
14
19
24
5
10
15
20
25
1b

FIG. 7

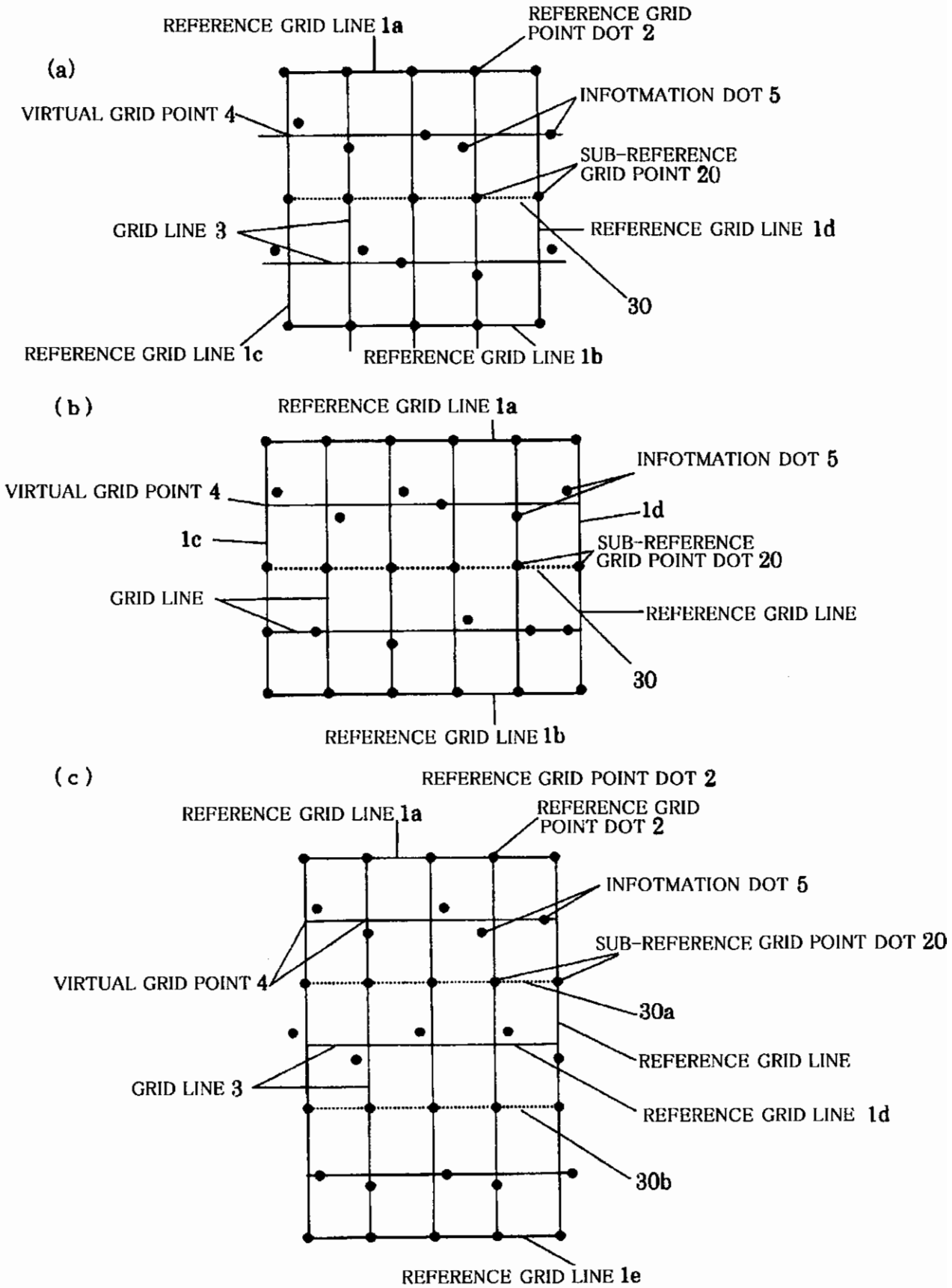

(a)
REFERENCE GRID LINE 1a
REFERENCE GRID POINT DOT 2
INFOTMATION DOT 5
VIRTUAL GRID POINT 4
SUB-REFERENCE GRID POINT 20
GRID LINE 3
REFERENCE GRID LINE 1d
30
REFERENCE GRID LINE 1c
REFERENCE GRID LINE 1b
(b)
REFERENCE GRID LINE 1a
INFOTMATION DOT 5
VIRTUAL GRID POINT 4
1d
1c
SUB-REFERENCE GRID POINT DOT 20
GRID LINE
REFERENCE GRID LINE
30
REFERENCE GRID LINE 1b
(c)
REFERENCE GRID POINT DOT 2
REFERENCE GRID LINE 1a
REFERENCE GRID POINT DOT 2
INFOTMATION DOT 5
SUB-REFERENCE GRID POINT DOT 20
VIRTUAL GRID POINT 4
30a
REFERENCE GRID LINE
GRID LINE 3
REFERENCE GRID LINE 1d
30b
REFERENCE GRID LINE 1e

FIG. 8

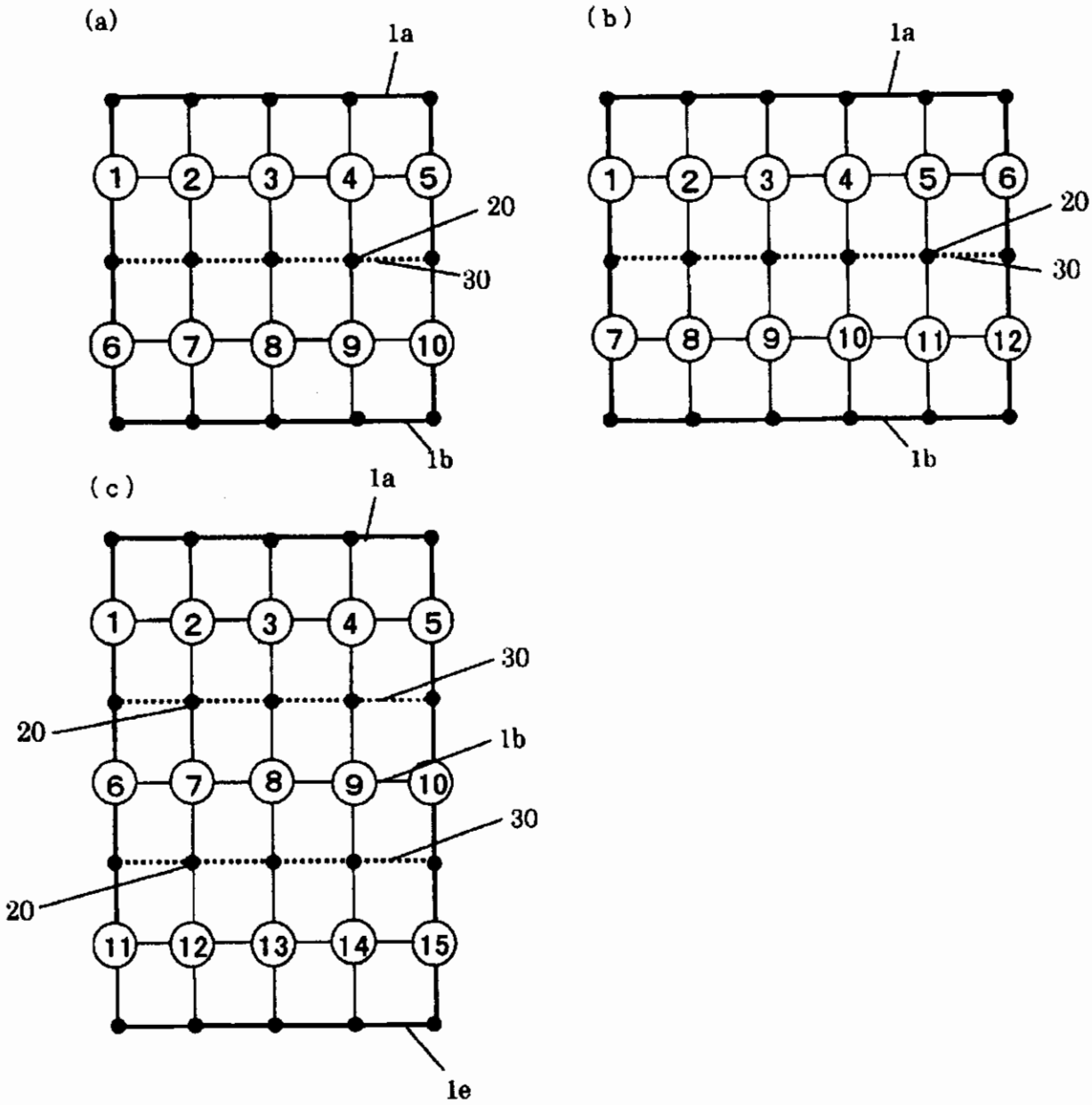

(a)
1a
1
2
3
4
5
20
30
6
7
8
9
10
1b
(b)
1a
1
2
3
4
5
6
20
30
7
8
9
10
11
12
1b
(c)
1a
1
2
3
4
5
30
20
1b
6
7
8
9
10
30
20
11
12
13
14
15
1e

FIG. 9

2

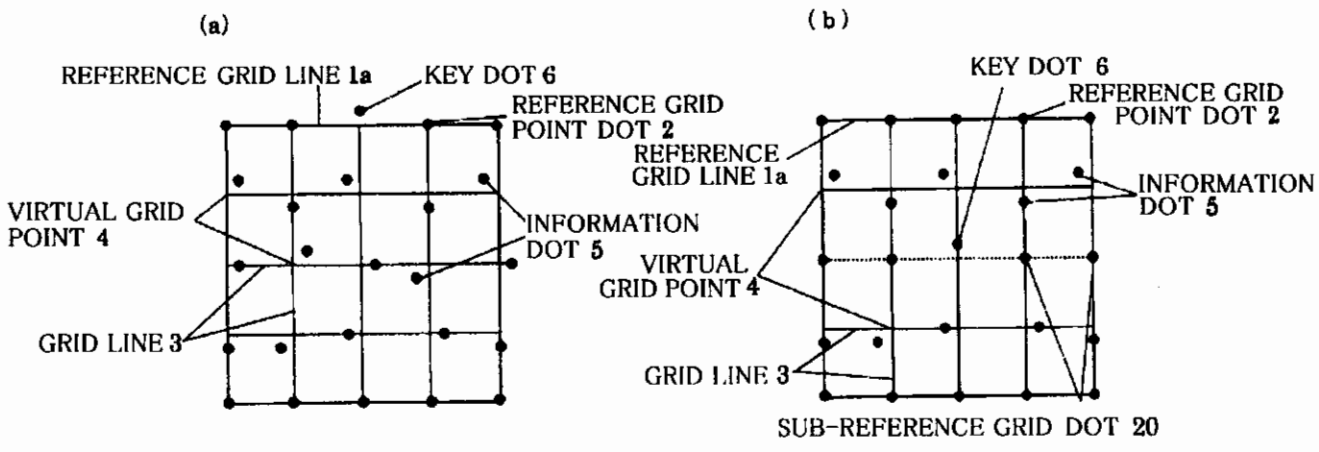
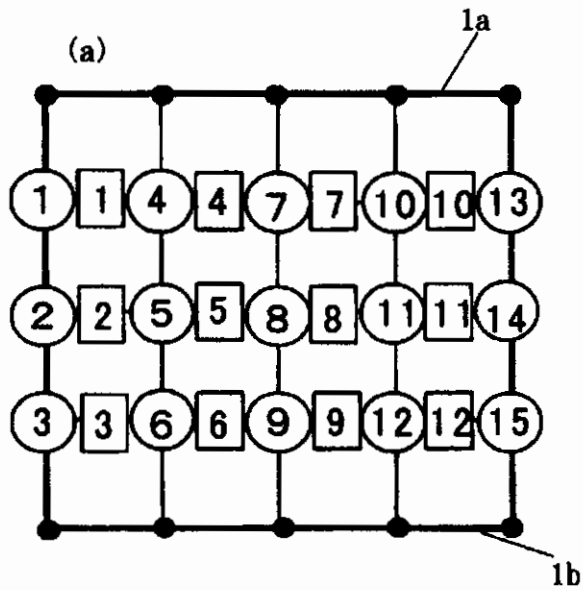

(a)
REFERENCE GRID LINE 1a
KEY DOT 6
REFERENCE GRID POINT DOT 2
VIRTUAL GRID POINT 4
INFORMATION DOT 5
GRID LINE 3
(b)
KEY DOT 6
REFERENCE GRID POINT DOT 2
REFERENCE GRID LINE 1a
INFORMATION DOT 5
VIRTUAL GRID POINT 4
GRID LINE 3
SUB-REFERENCE GRID DOT 20

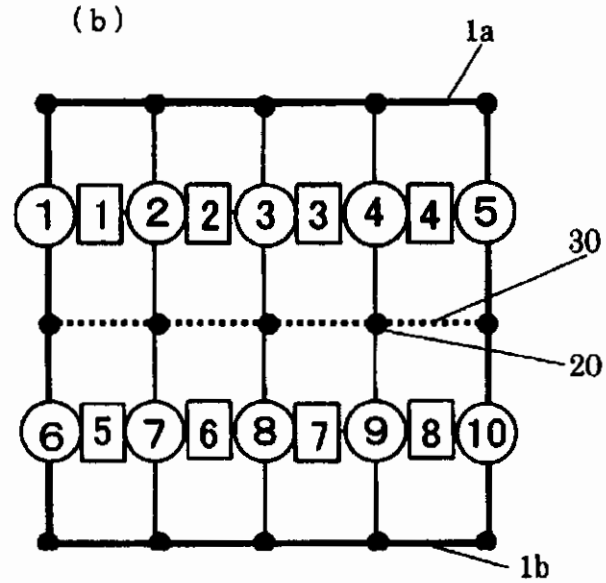
FIG. 10



1 = ④—① 4 = ⑦—④ 7 = ⑩—⑦ 10 = ⑬—⑩

2 = ⑤—② 5 = ⑧—⑤ 8 = ⑪—⑧ 11 = ⑭—⑪

3 = ⑥—③ 6 = ⑨—⑥ 9 = ⑫—⑨ 12 = ⑮—⑫



1 = ②—① 5 = ⑦—⑥

2 = ③—② 6 = ⑧—⑦

3 = ④—③ 7 = ⑨—⑧

4 = ⑤—④ 8 = ⑩—⑨

FIG. 11

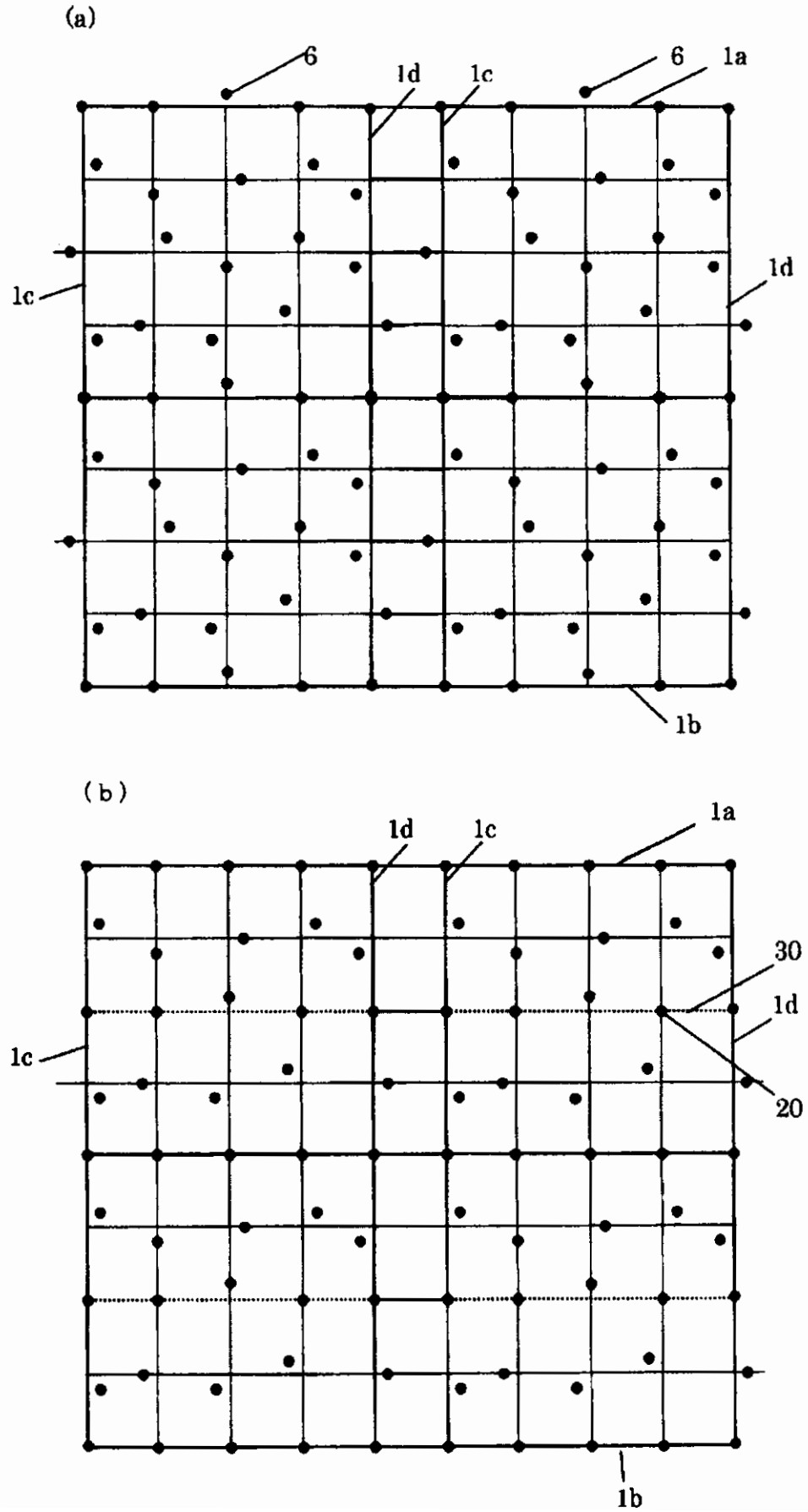


FIG. 12

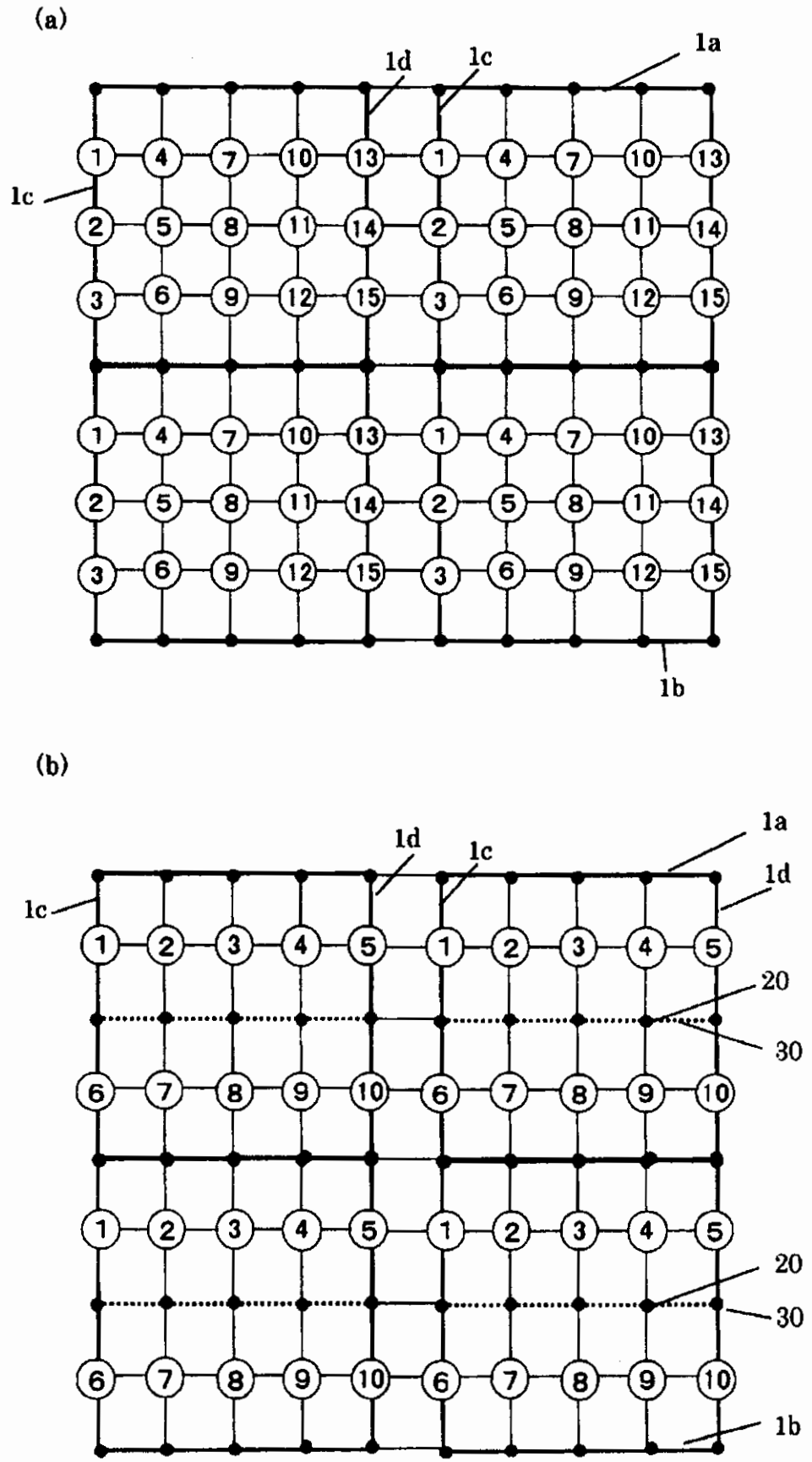


FIG. 13

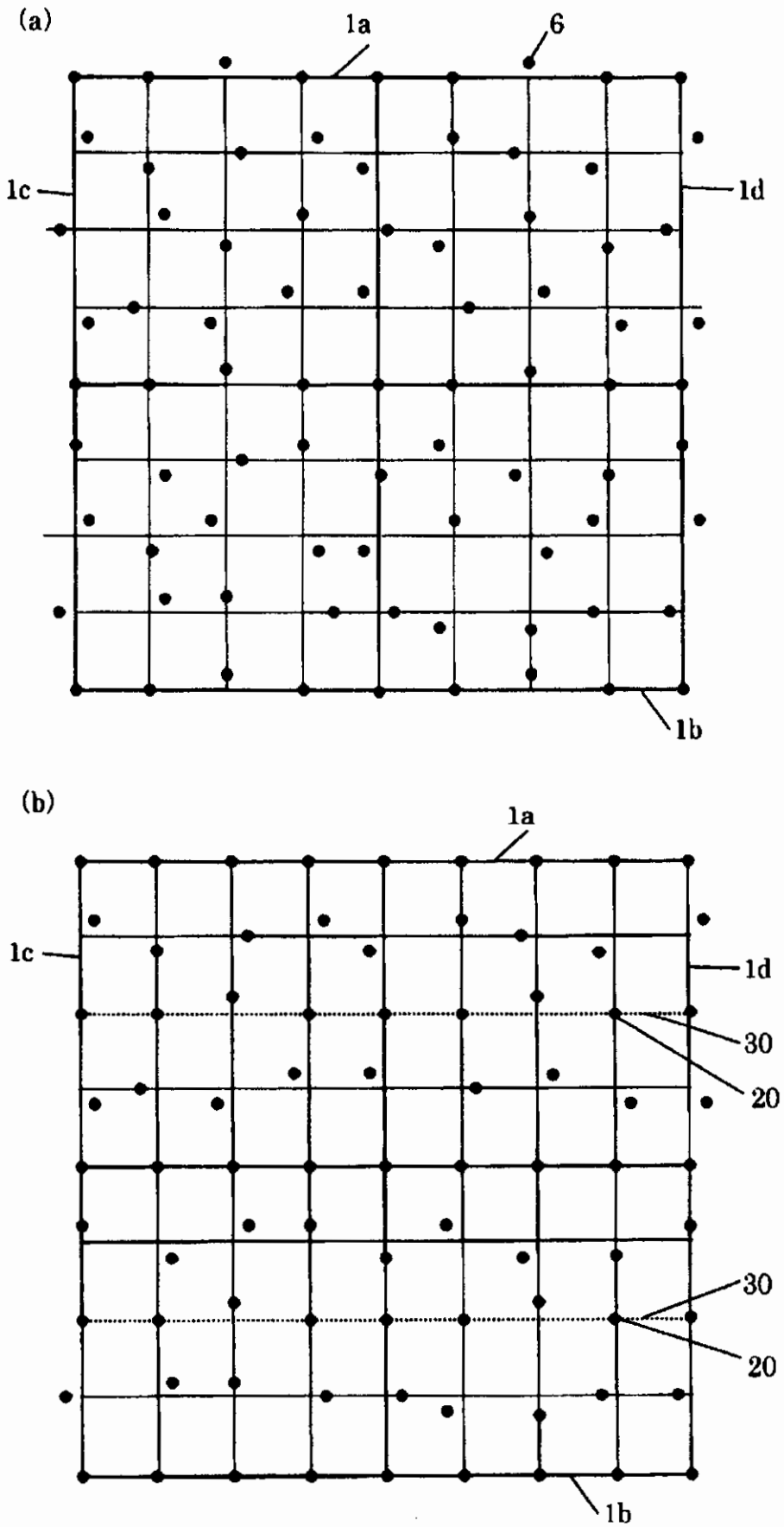
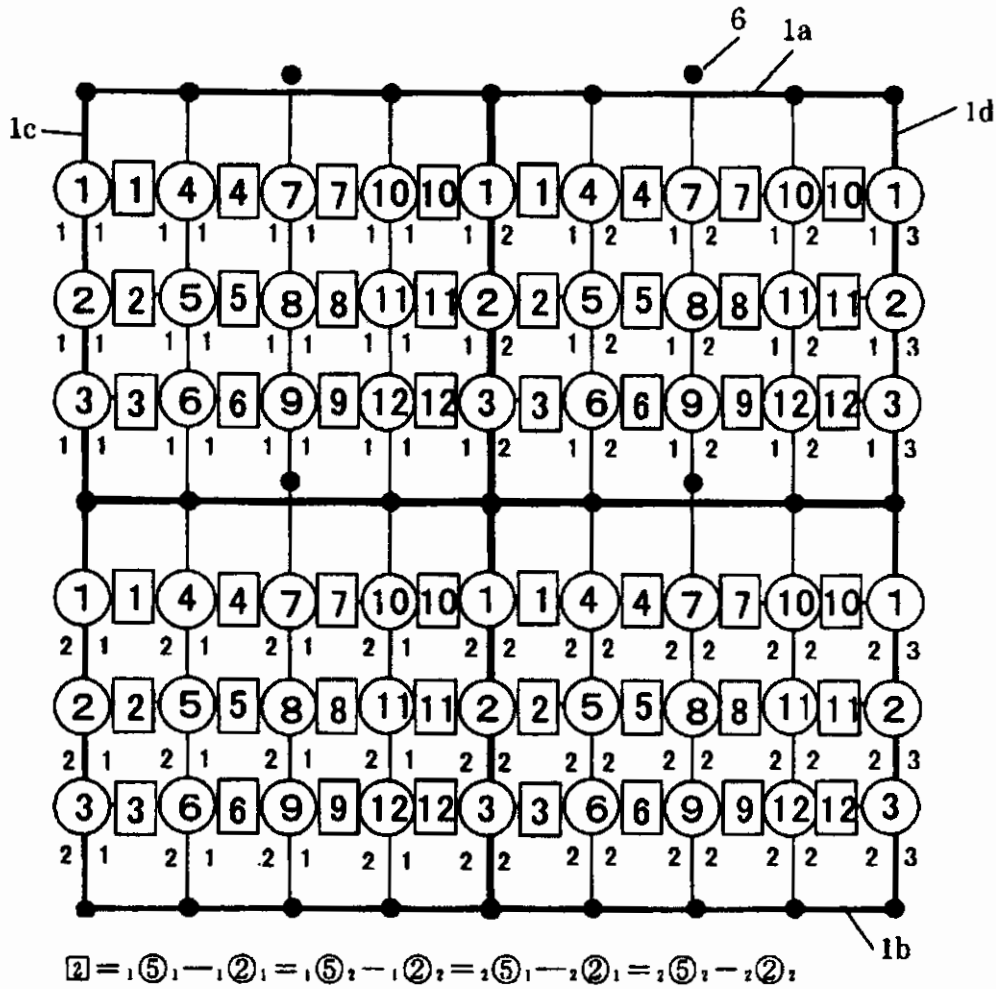


FIG. 14a



$$[2] = {}_1⑤_1 - {}_1②_1 = {}_1⑤_2 - {}_1②_2 = {}_2⑤_1 - {}_2②_1 = {}_2⑤_2 - {}_2②_2$$

$$[3] = {}_1⑥_1 - {}_1③_1 = {}_1⑥_2 - {}_1③_2 = {}_2⑥_1 - {}_2③_1 = {}_2⑥_2 - {}_2③_2$$

$$[4] = {}_1⑦_1 - {}_1④_1 = {}_1⑦_2 - {}_1④_2 = {}_2⑦_1 - {}_2④_1 = {}_2⑦_2 - {}_2④_2$$

$$[5] = {}_1⑧_1 - {}_1⑤_1 = {}_1⑧_2 - {}_1⑤_2 = {}_2⑧_1 - {}_2⑤_1 = {}_2⑧_2 - {}_2⑤_2$$

$$[6] = {}_1⑨_1 - {}_1⑥_1 = {}_1⑨_2 - {}_1⑥_2 = {}_2⑨_1 - {}_2⑥_1 = {}_2⑨_2 - {}_2⑥_2$$

$$[7] = {}_1⑩_1 - {}_1⑦_1 = {}_1⑩_2 - {}_1⑦_2 = {}_2⑩_1 - {}_2⑦_1 = {}_2⑩_2 - {}_2⑦_2$$

$$[8] = {}_1⑪_1 - {}_1⑧_1 = {}_1⑪_2 - {}_1⑧_2 = {}_2⑪_1 - {}_2⑧_1 = {}_2⑪_2 - {}_2⑧_2$$

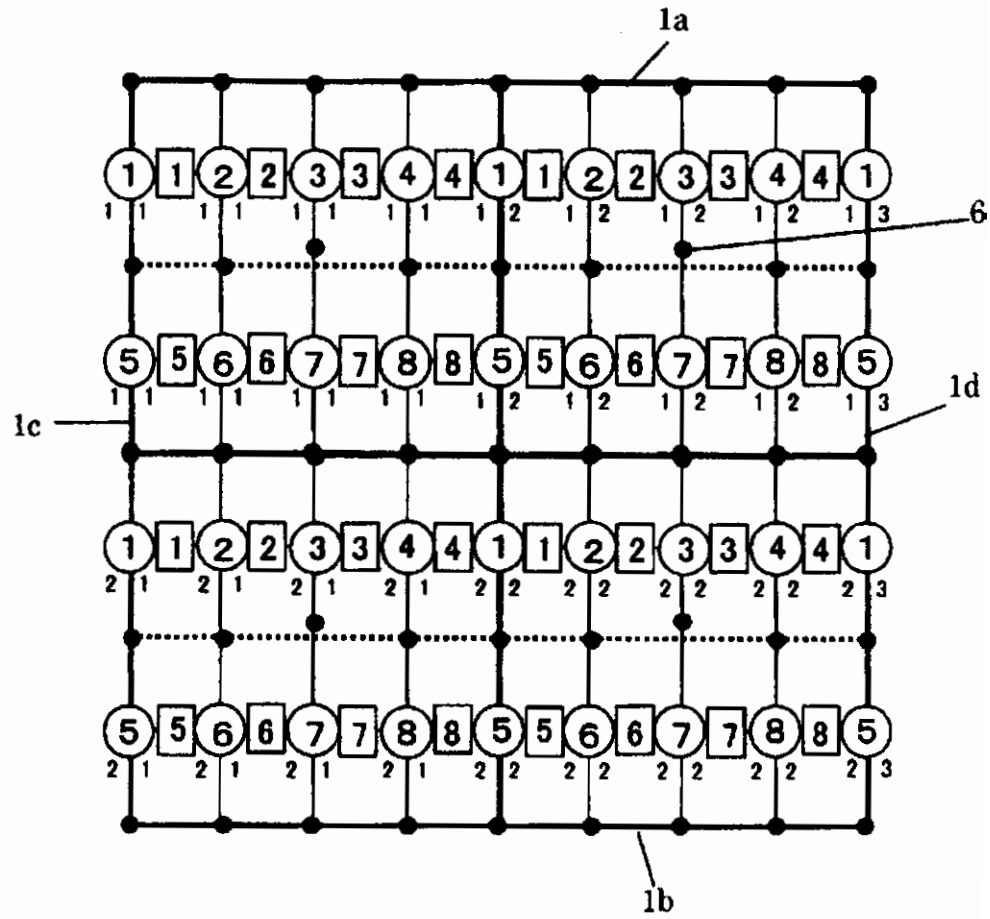
$$[9] = {}_1⑫_1 - {}_1⑨_1 = {}_1⑫_2 - {}_1⑨_2 = {}_2⑫_1 - {}_2⑨_1 = {}_2⑫_2 - {}_2⑨_2$$

$$[10] = {}_1①_2 - {}_1⑩_1 = {}_1①_3 - {}_1⑩_2 = {}_2①_2 - {}_2⑩_1 = {}_2①_3 - {}_2⑩_2$$

$$[11] = {}_1②_2 - {}_1⑪_1 = {}_1②_3 - {}_1⑪_2 = {}_2②_2 - {}_2⑪_1 = {}_2②_3 - {}_2⑪_2$$

$$[12] = {}_1③_2 - {}_1⑫_1 = {}_1③_3 - {}_1⑫_2 = {}_2③_2 - {}_2⑫_1 = {}_2③_3 - {}_2⑫_2$$

FIG. 14b



$$[1] = {}_1②_1 - {}_1①_1 = {}_1②_2 - {}_1①_2 = {}_2②_1 - {}_2①_1 = {}_2②_2 - {}_2①_2$$

$$[2] = {}_1③_1 - {}_1②_1 = {}_1③_2 - {}_1②_2 = {}_2③_1 - {}_2②_1 = {}_2③_2 - {}_2②_2$$

$$[3] = {}_1④_1 - {}_1③_1 = {}_1④_2 - {}_1③_2 = {}_2④_1 - {}_2③_1 = {}_2④_2 - {}_2③_2$$

$$[4] = {}_1①_2 - {}_1④_1 = {}_1①_3 - {}_1④_2 = {}_2①_2 - {}_2④_1 = {}_2①_3 - {}_2④_2$$

$$[5] = {}_1⑥_1 - {}_1⑤_1 = {}_1⑥_2 - {}_1⑤_2 = {}_2⑥_1 - {}_2⑤_1 = {}_2⑥_2 - {}_2⑤_2$$

$$[6] = {}_1⑦_1 - {}_1⑥_1 = {}_1⑦_2 - {}_1⑥_2 = {}_2⑦_1 - {}_2⑥_1 = {}_2⑦_2 - {}_2⑥_2$$

$$[7] = {}_1⑧_1 - {}_1⑦_1 = {}_1⑧_2 - {}_1⑦_2 = {}_2⑧_1 - {}_2⑦_1 = {}_2⑧_2 - {}_2⑦_2$$

$$[8] = {}_1⑤_2 - {}_1⑧_1 = {}_1⑤_3 - {}_1⑧_2 = {}_2⑤_2 - {}_2⑧_1 = {}_2⑤_3 - {}_2⑧_2$$

FIG. 15

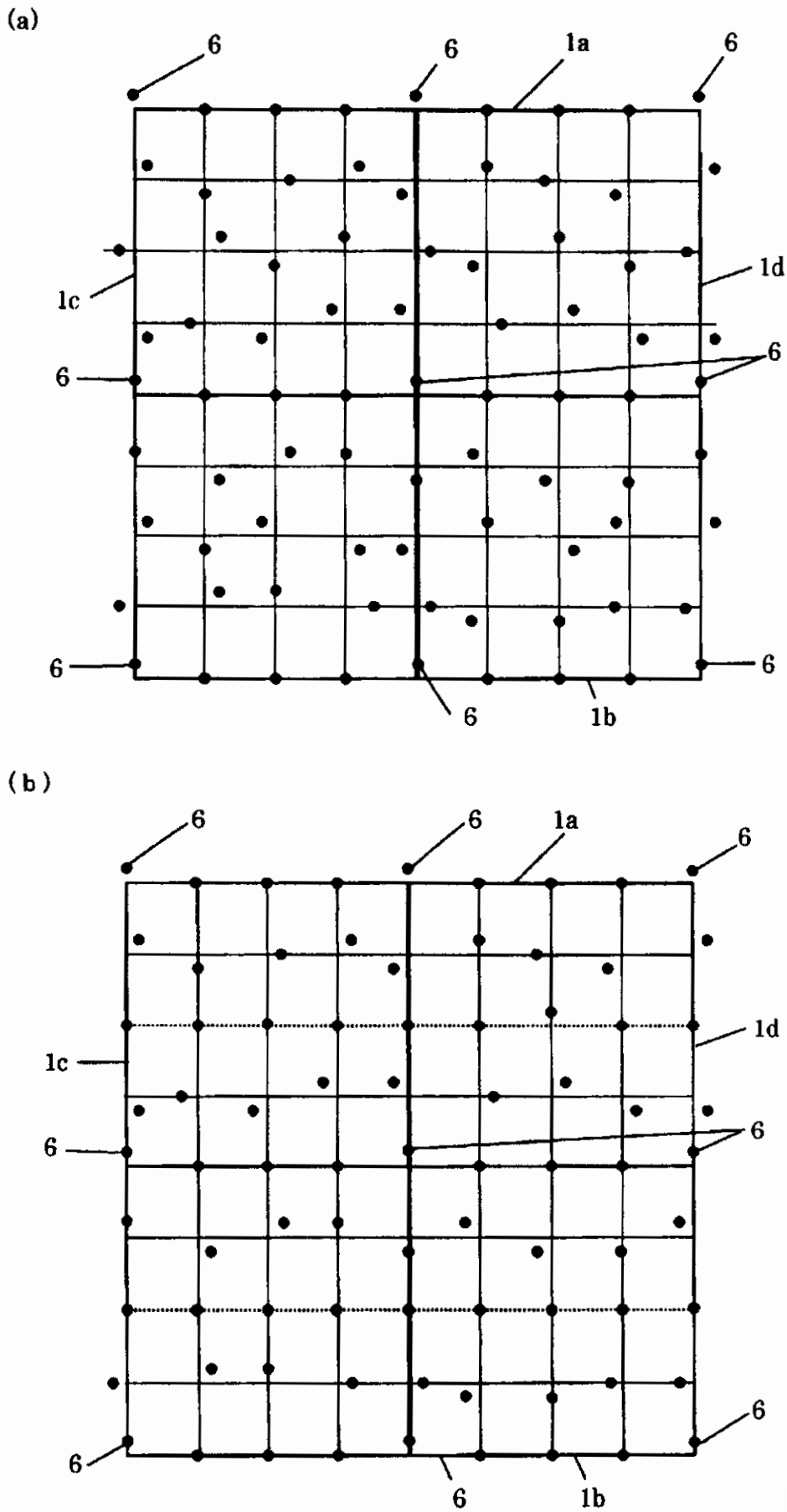
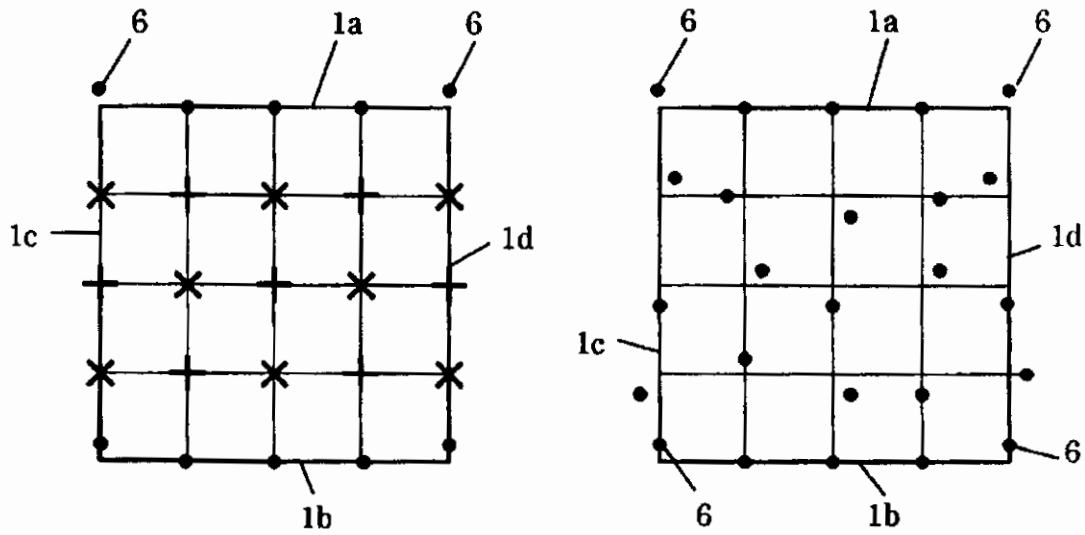
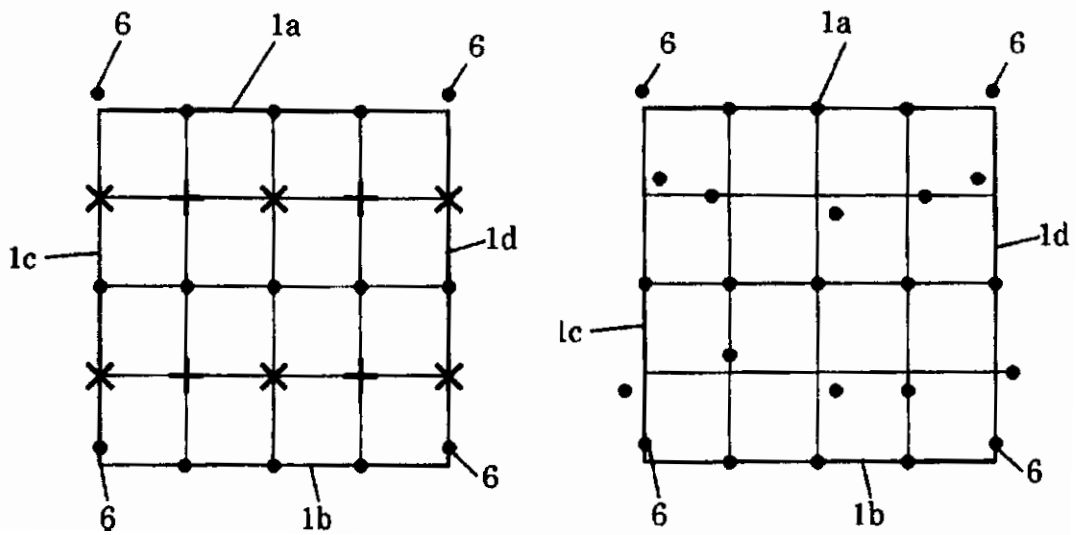


FIG. 16

(a)



(b)