

1	2	0	0
0	3	4	0
5	0	6	7
0	8	0	9

Matrix Y

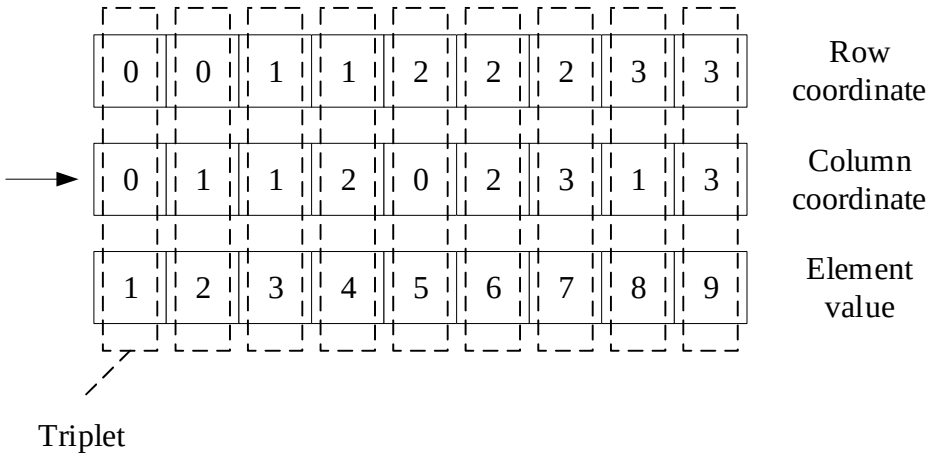


FIG. 1A

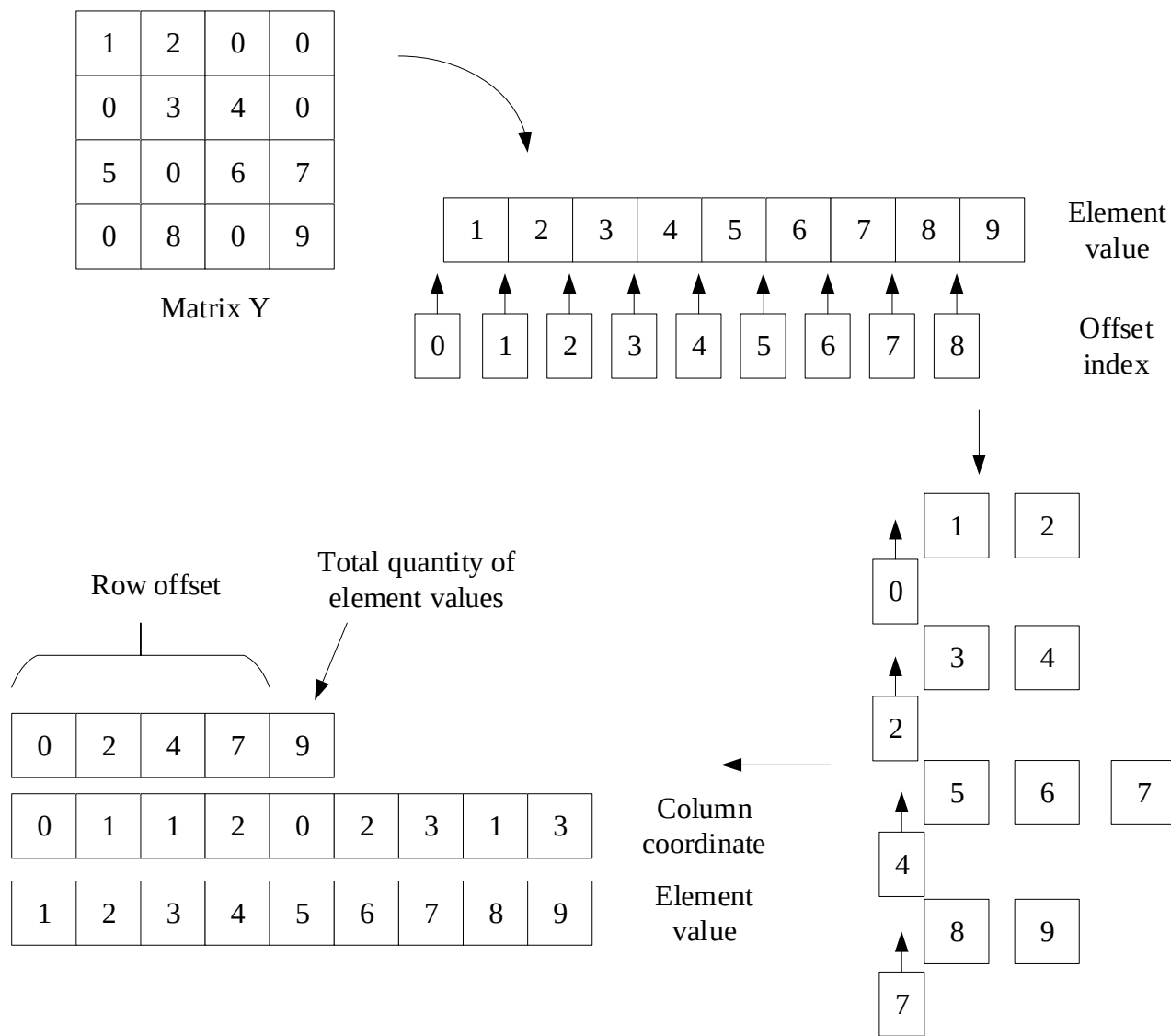


FIG. 1B

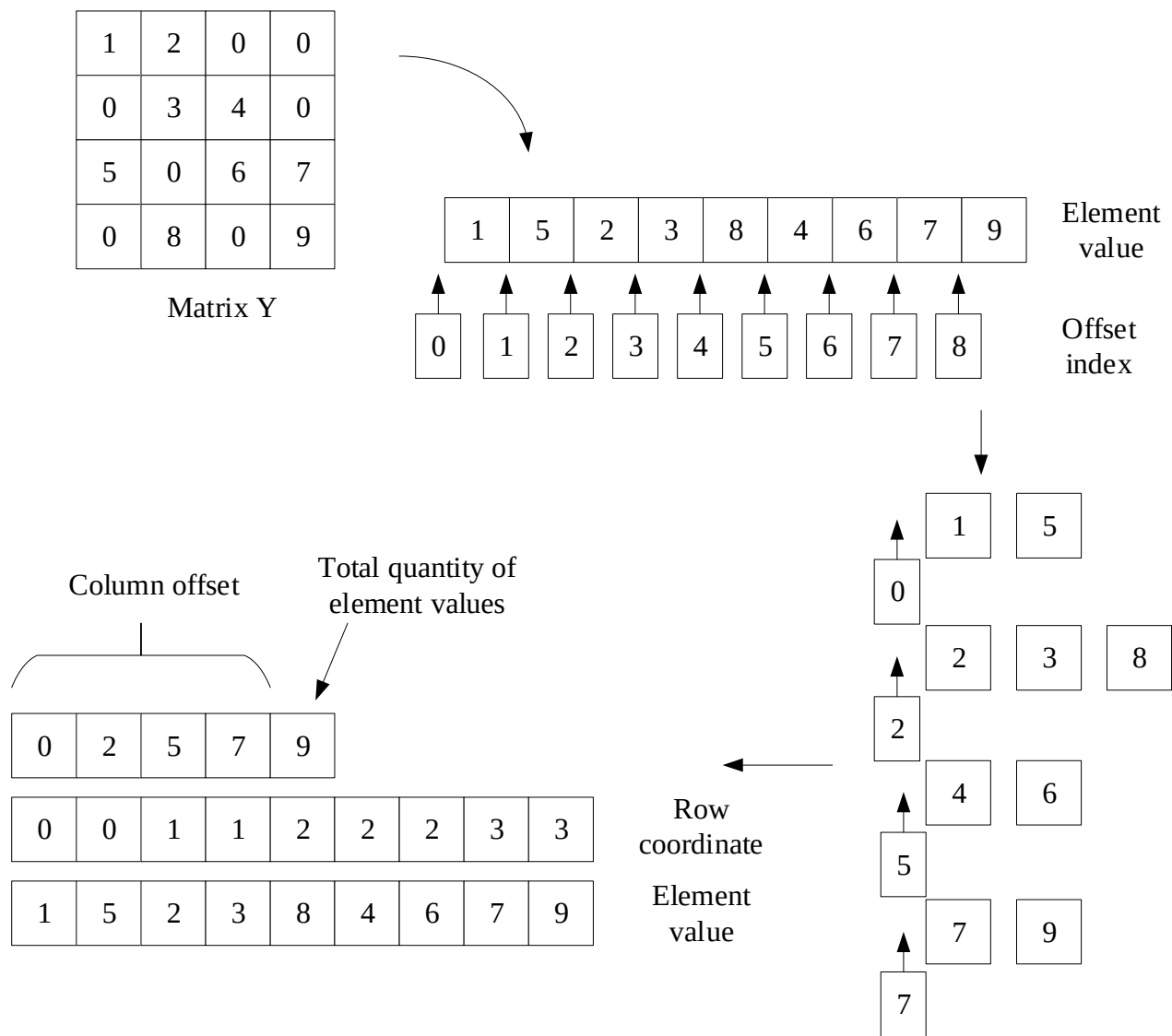


FIG. 1C

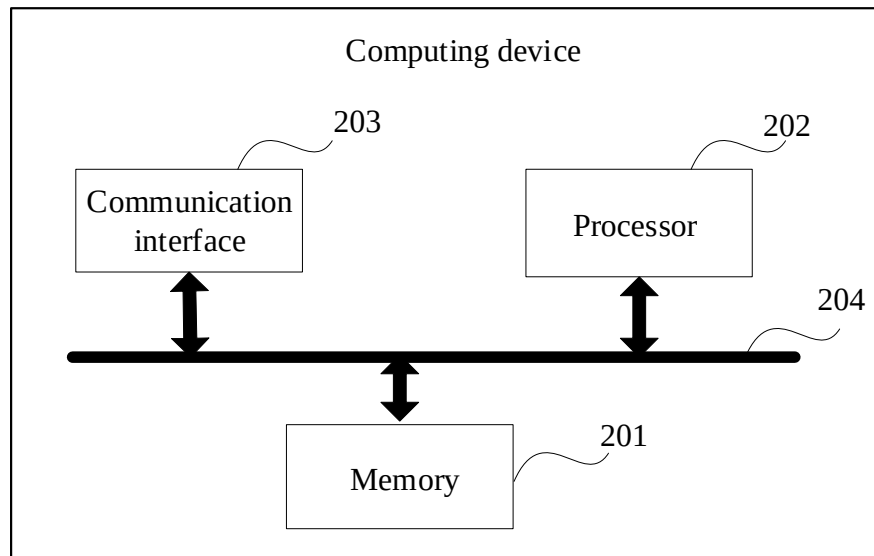
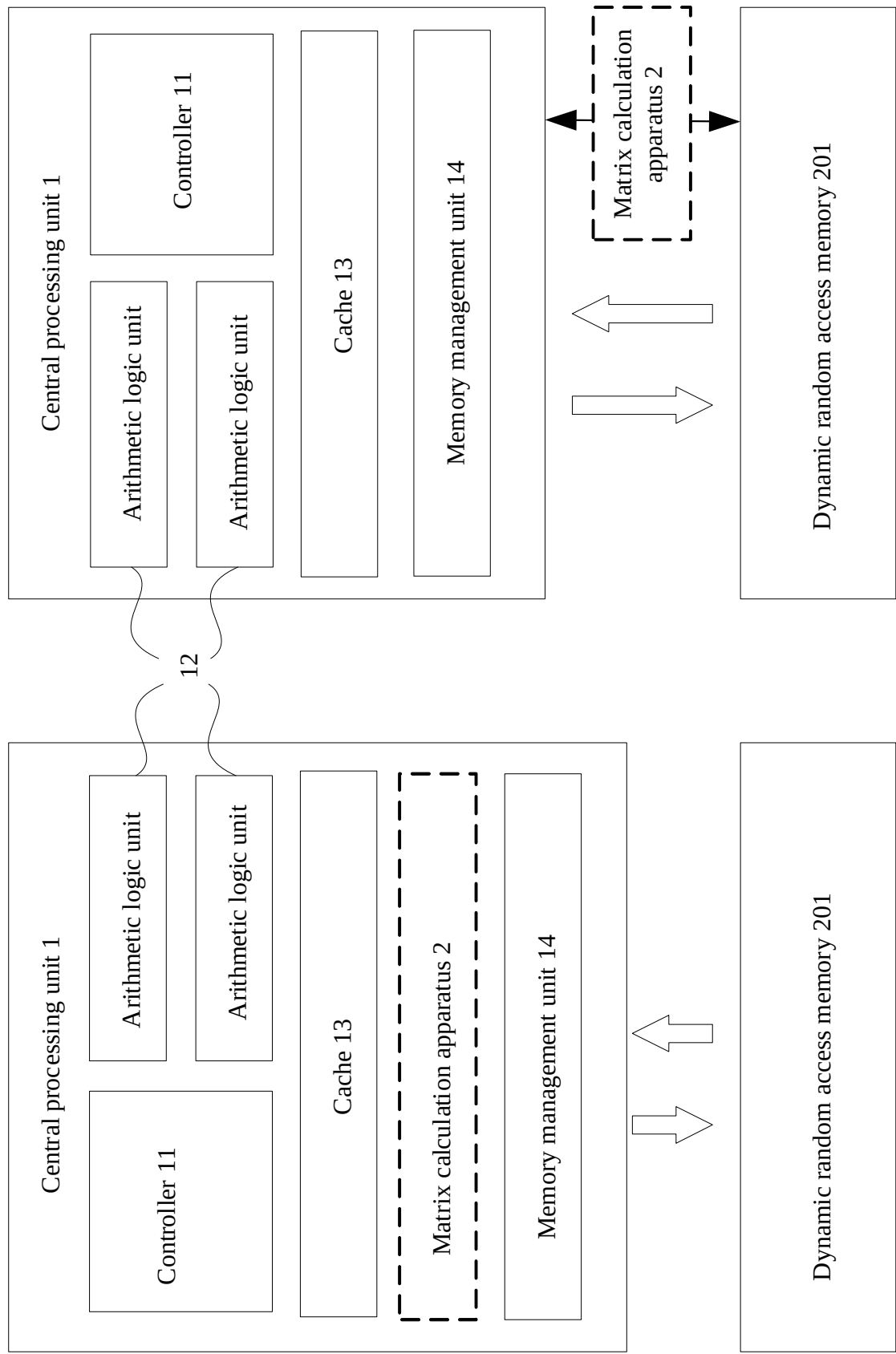


FIG. 2



(a)

(b)

FIG. 3

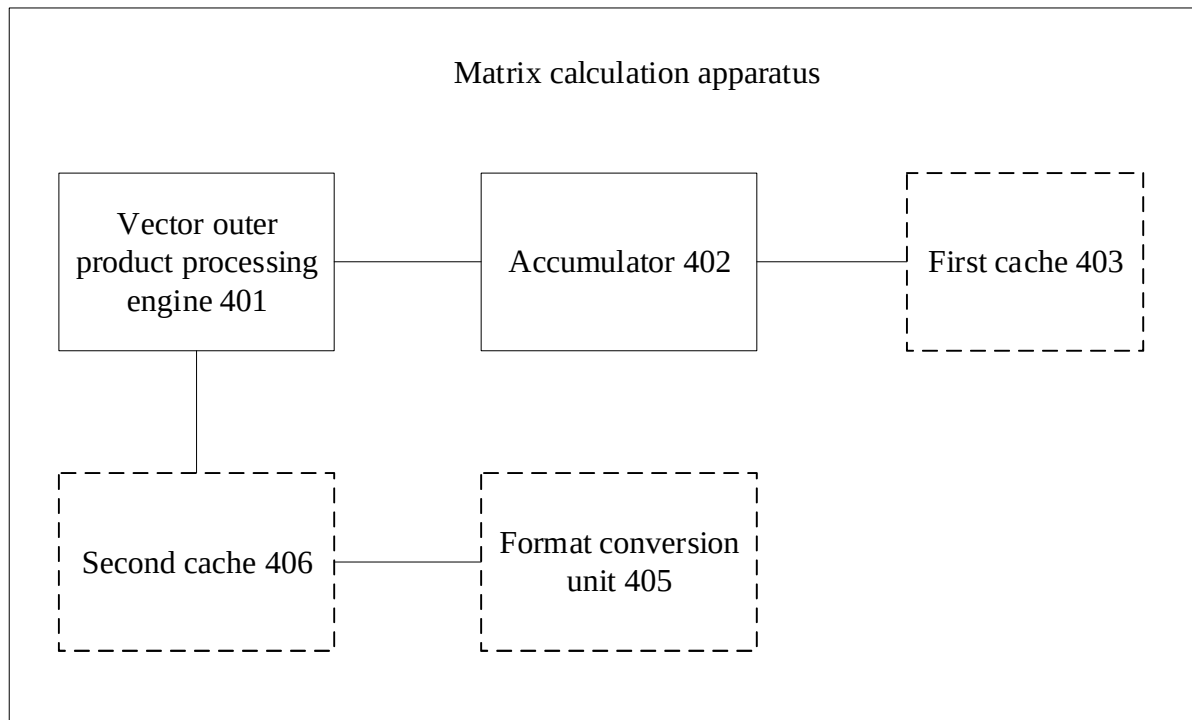


FIG. 4A

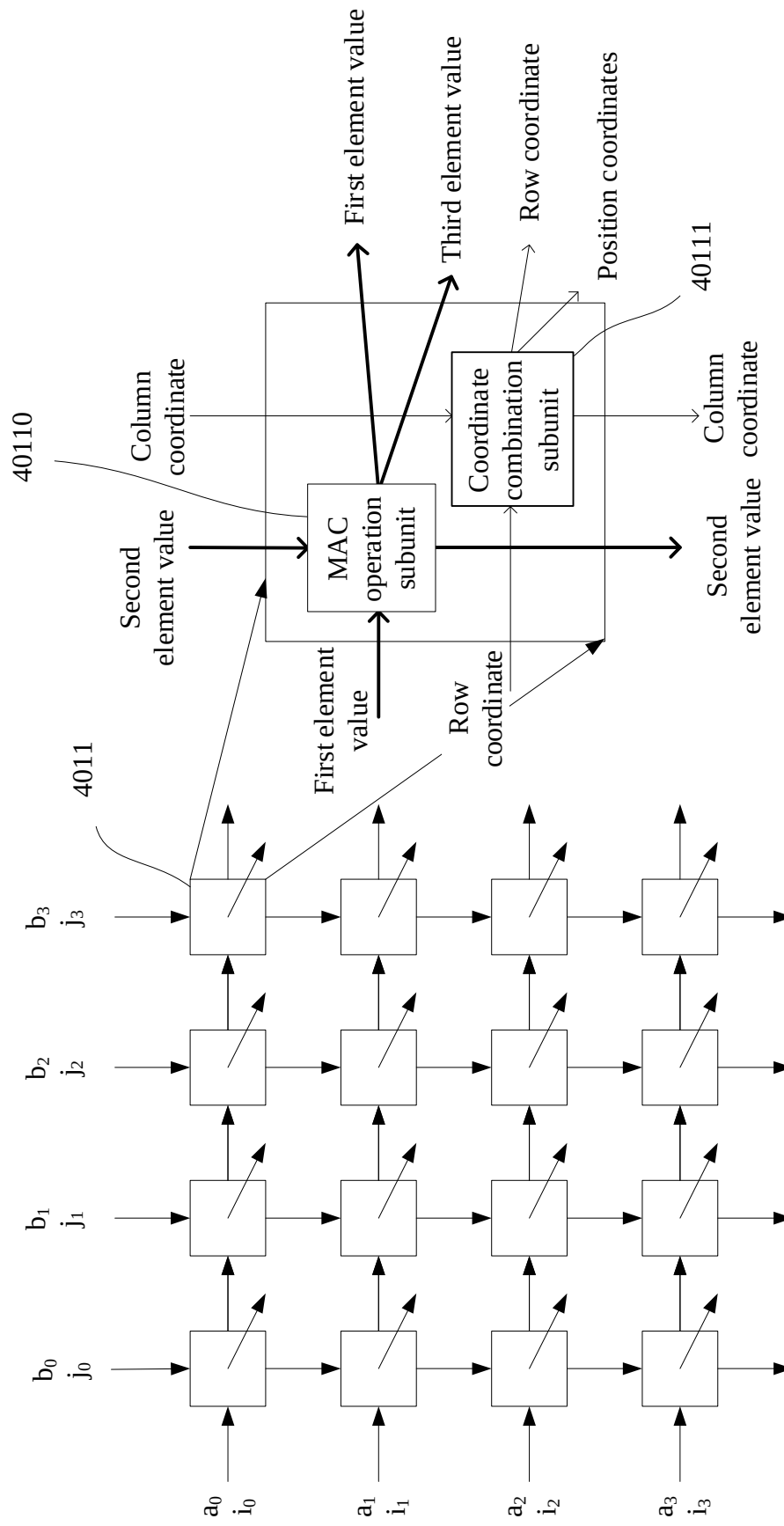


FIG. 4B

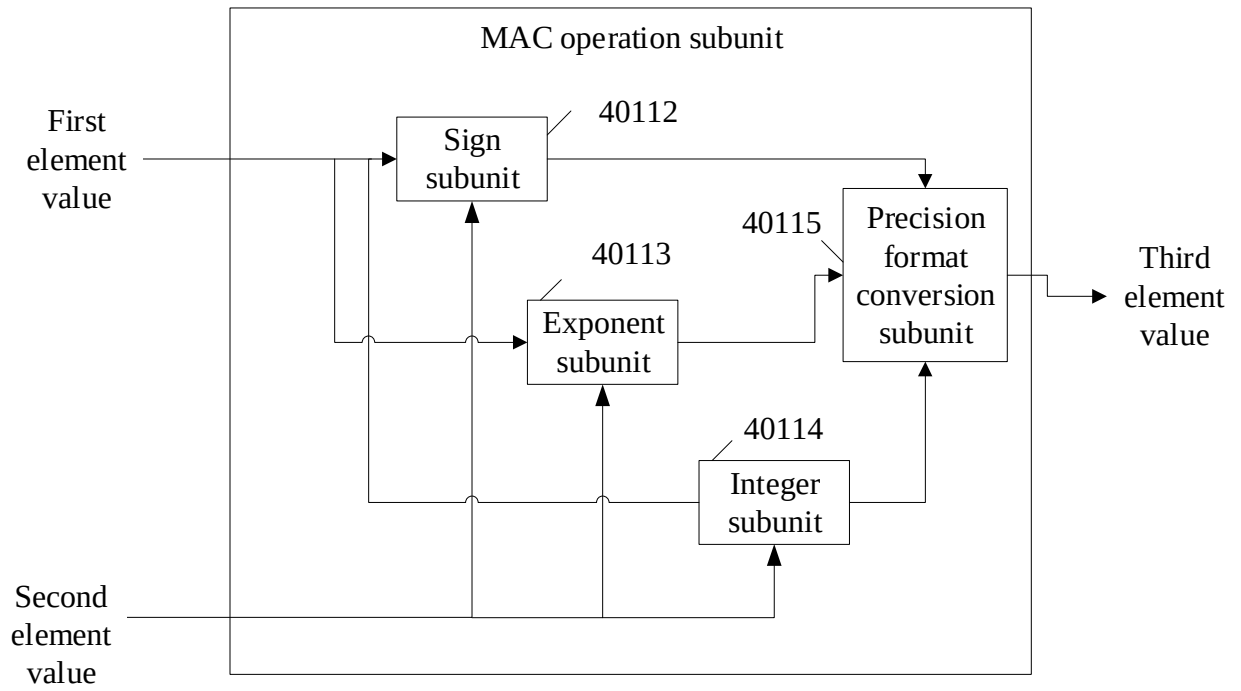


FIG. 4C

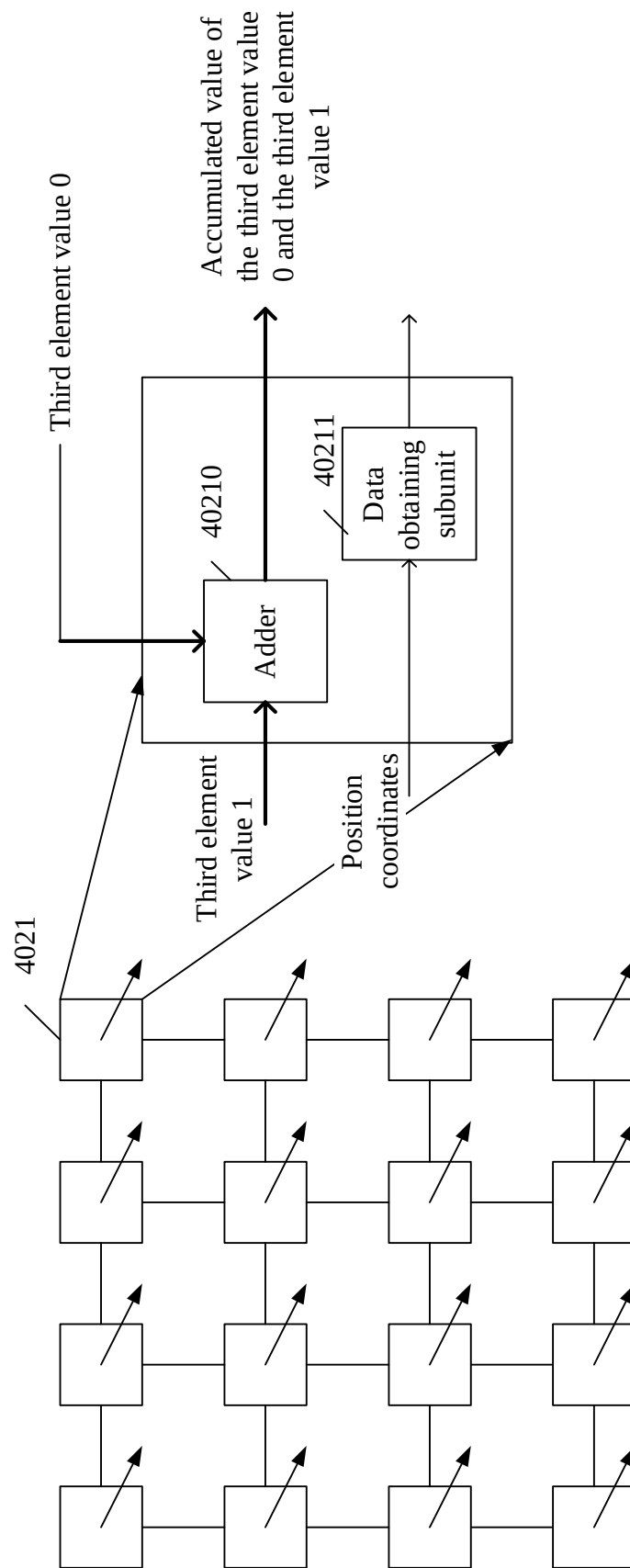


FIG. 4D

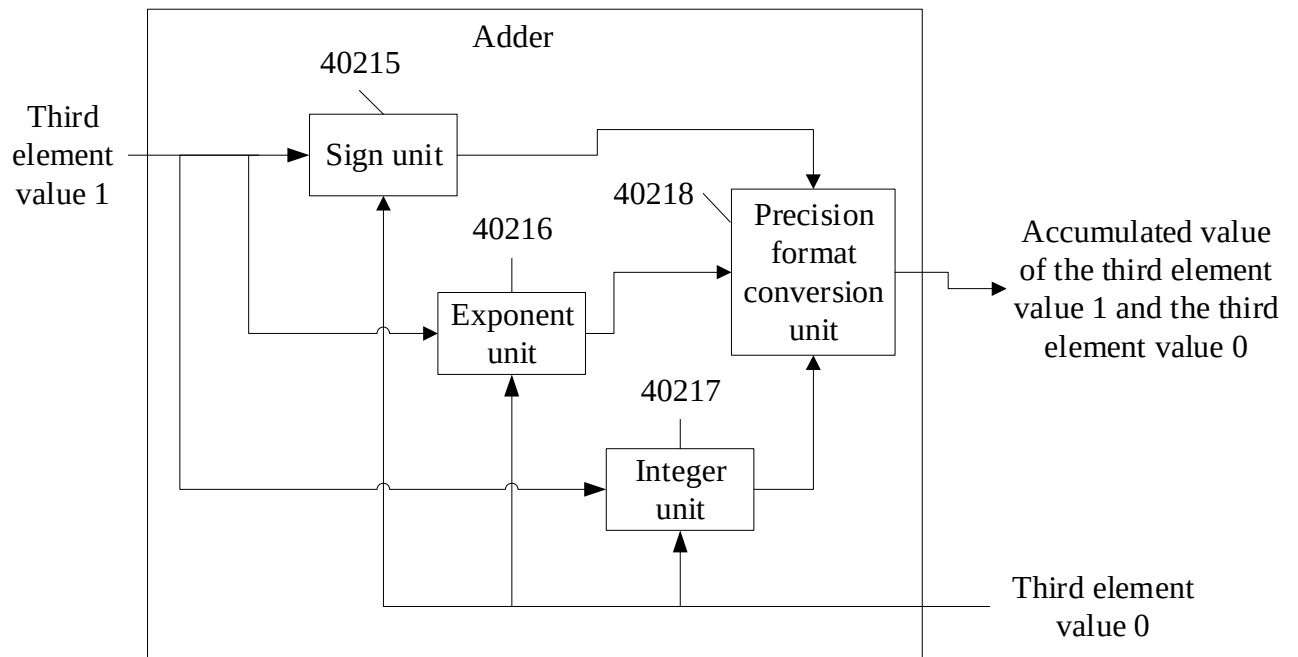


FIG. 4E

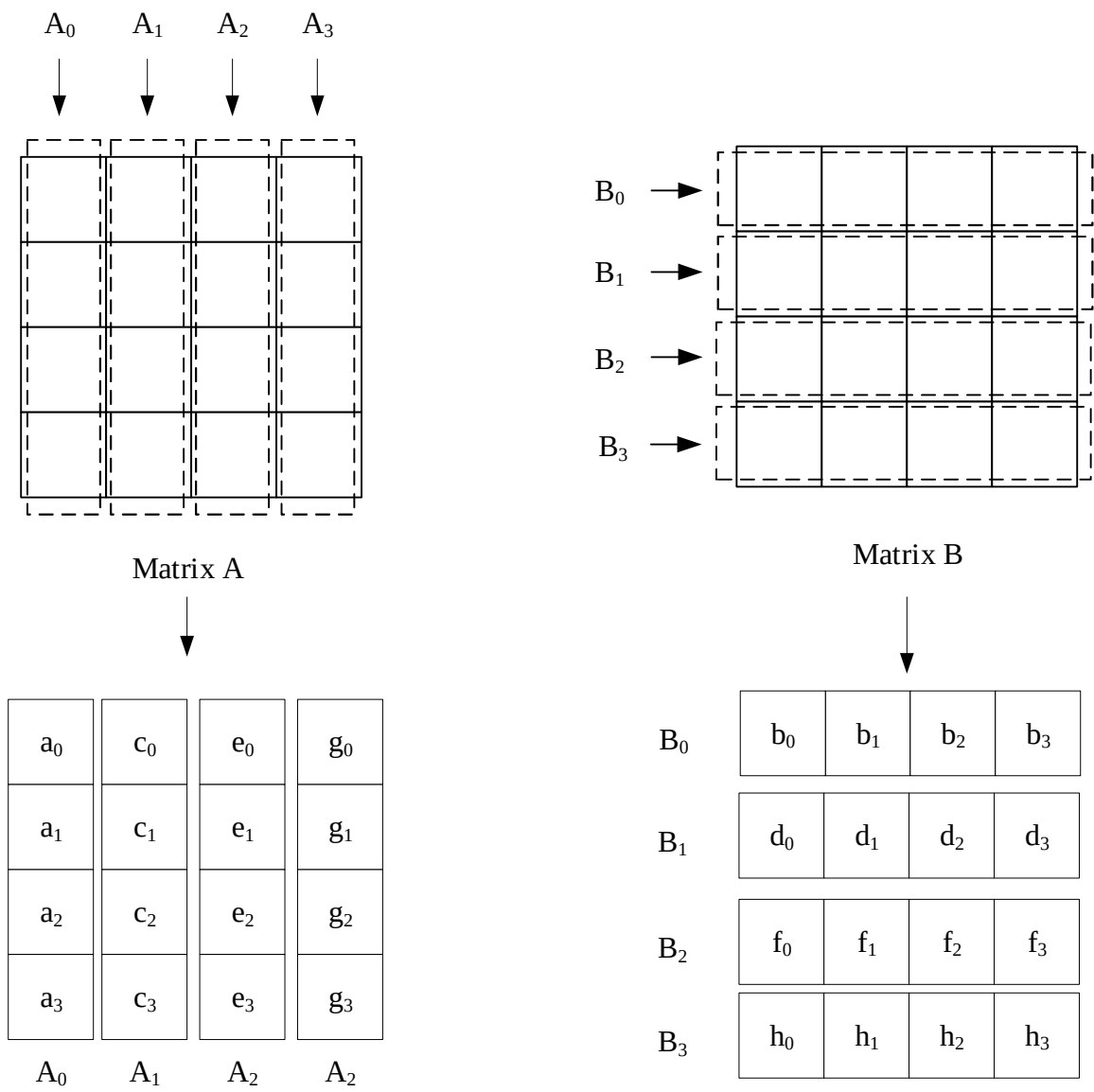


FIG. 5A

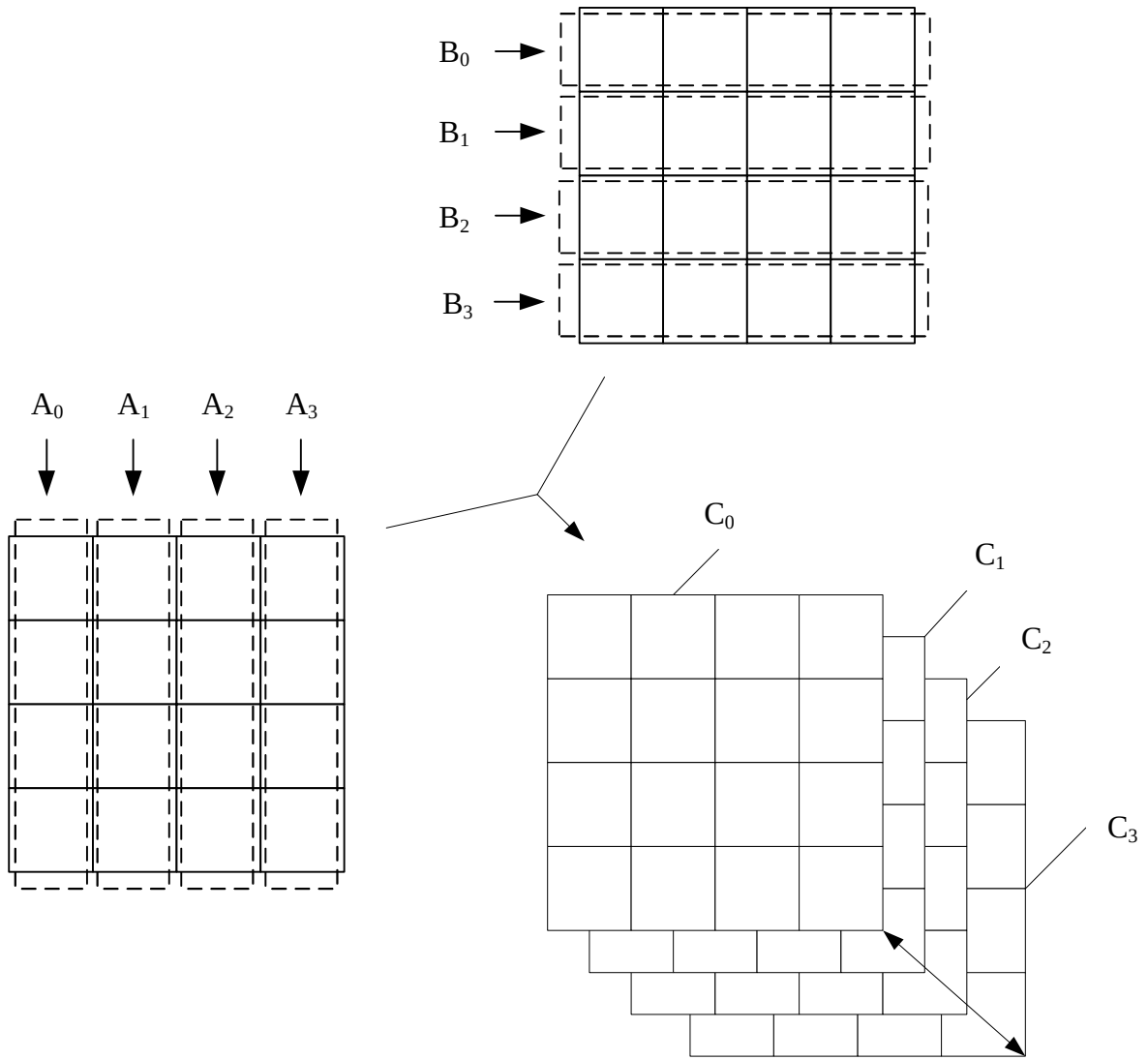
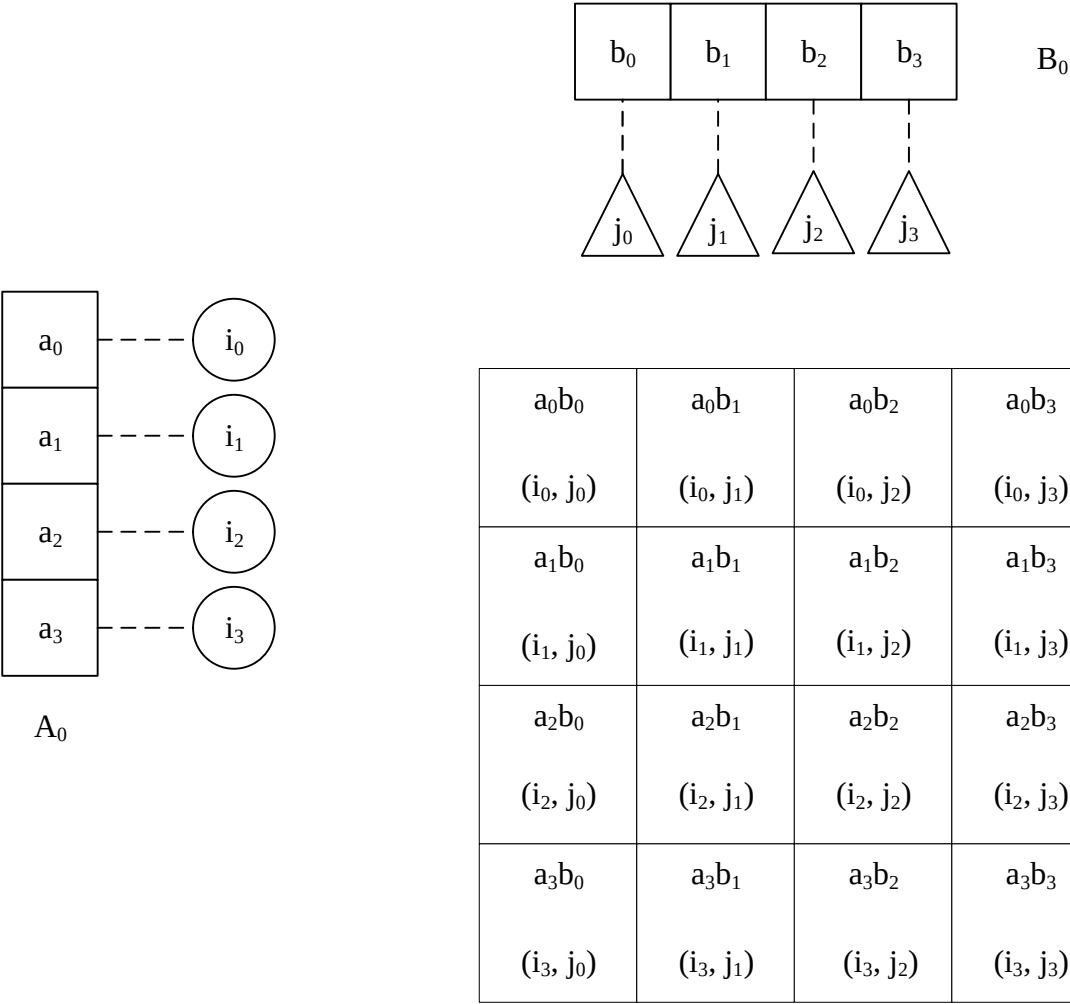


FIG. 5B



Intermediate result matrix C_0

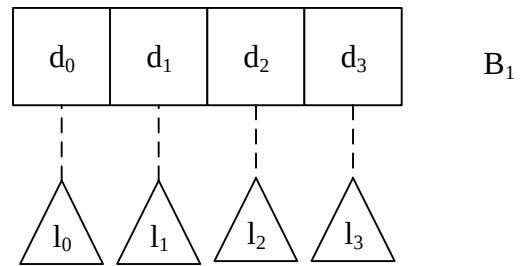
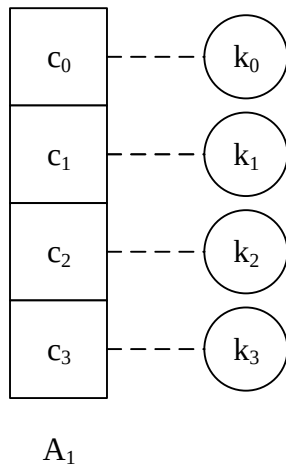
- 

Row coordinate
- 

Column coordinate
- 

Position coordinates

FIG. 5C



c_0d_0 (k_0, l_0)	c_0d_1 (k_0, l_1)	c_0d_2 (k_0, l_2)	c_0d_3 (k_0, l_3)
c_1d_0 (k_1, l_0)	c_1d_1 (k_1, l_1)	c_1d_2 (k_1, l_2)	c_1d_3 (k_1, l_3)
c_2d_0 (k_2, l_0)	c_2d_1 (k_2, l_1)	c_2d_2 (k_2, l_2)	c_2d_3 (k_2, l_3)
c_3d_0 (k_3, l_0)	c_3d_1 (k_3, l_1)	c_3d_2 (k_3, l_2)	c_3d_3 (k_3, l_3)

Intermediate result matrix C_1

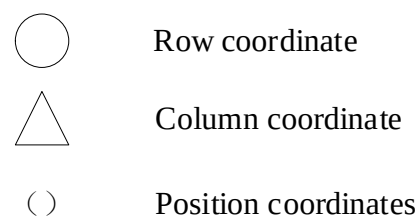


FIG. 5D

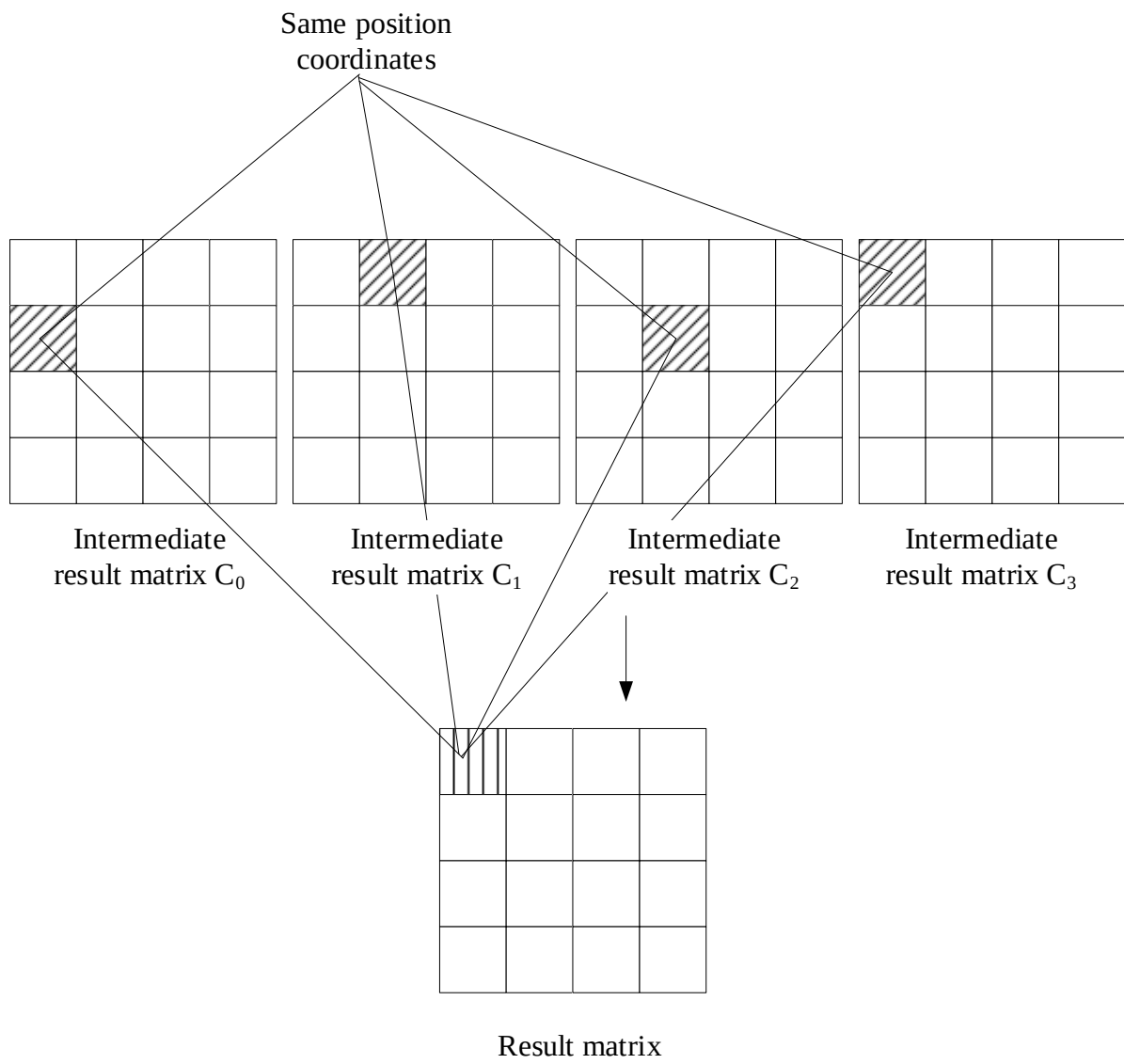


FIG. 5E

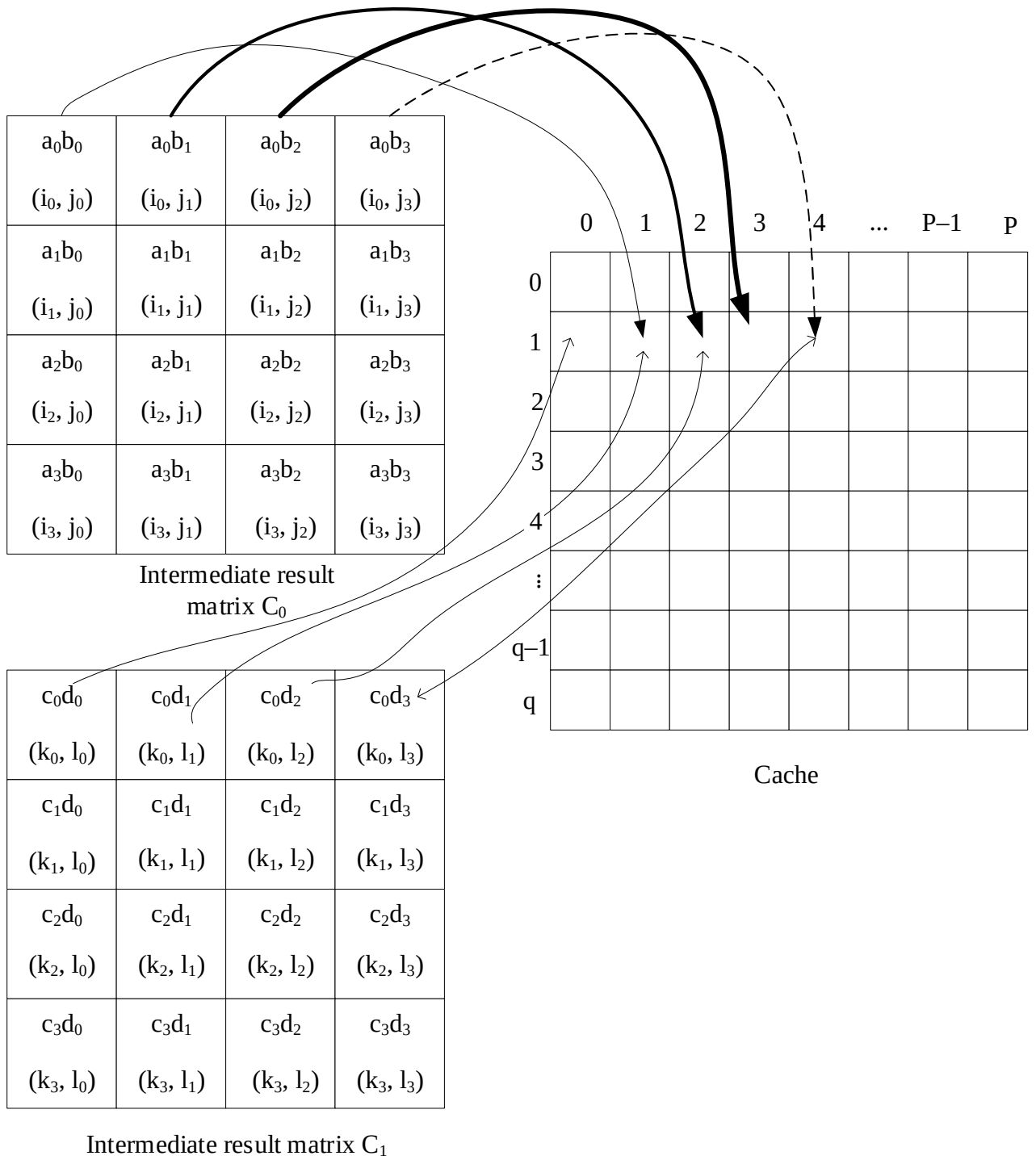


FIG. 6

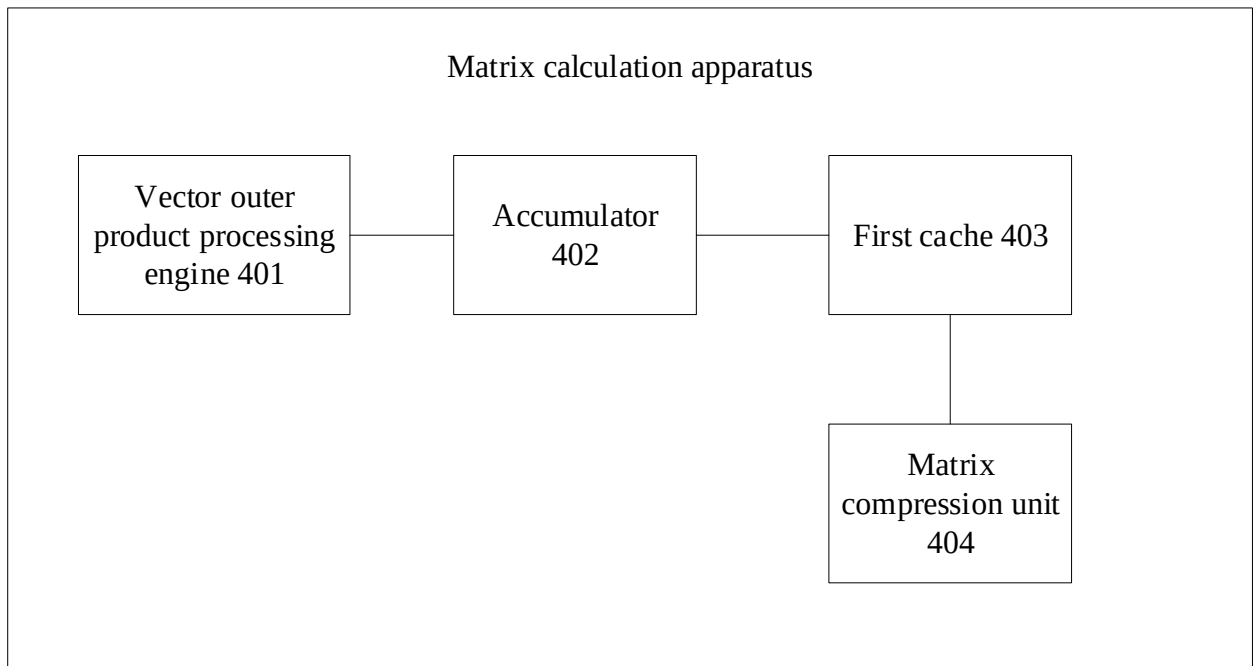
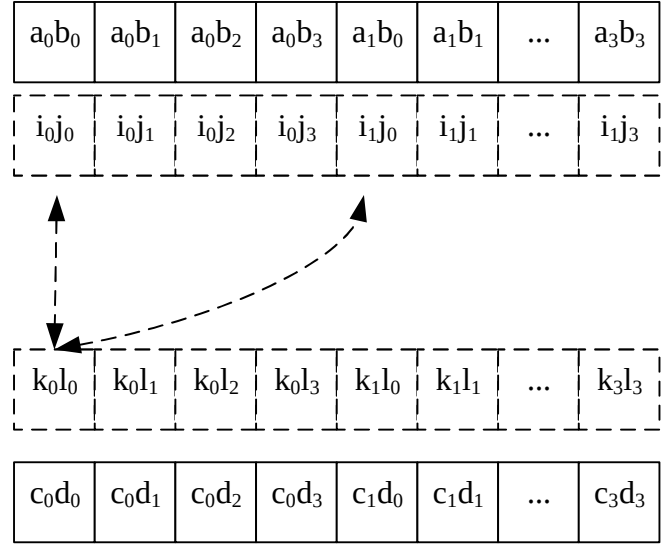


FIG. 7

a_0b_0 (i_0, j_0)	a_0b_1 (i_0, j_1)	a_0b_2 (i_0, j_2)	a_0b_3 (i_0, j_3)
a_1b_0 (i_1, j_0)	a_1b_1 (i_1, j_1)	a_1b_2 (i_1, j_2)	a_1b_3 (i_1, j_3)
a_2b_0 (i_2, j_0)	a_2b_1 (i_2, j_1)	a_2b_2 (i_2, j_2)	a_2b_3 (i_2, j_3)
a_3b_0 (i_3, j_0)	a_3b_1 (i_3, j_1)	a_3b_2 (i_3, j_2)	a_3b_3 (i_3, j_3)

Intermediate result matrix C_0

c_0d_0 (k_0, l_0)	c_0d_1 (k_0, l_1)	c_0d_2 (k_0, l_2)	c_0d_3 (k_0, l_3)
c_1d_0 (k_1, l_0)	c_1d_1 (k_1, l_1)	c_1d_2 (k_1, l_2)	c_1d_3 (k_1, l_3)
c_2d_0 (k_2, l_0)	c_2d_1 (k_2, l_1)	c_2d_2 (k_2, l_2)	c_2d_3 (k_2, l_3)
c_3d_0 (k_3, l_0)	c_3d_1 (k_3, l_1)	c_3d_2 (k_3, l_2)	c_3d_3 (k_3, l_3)

Intermediate result matrix C_1 

Element value



Position coordinates

FIG. 8

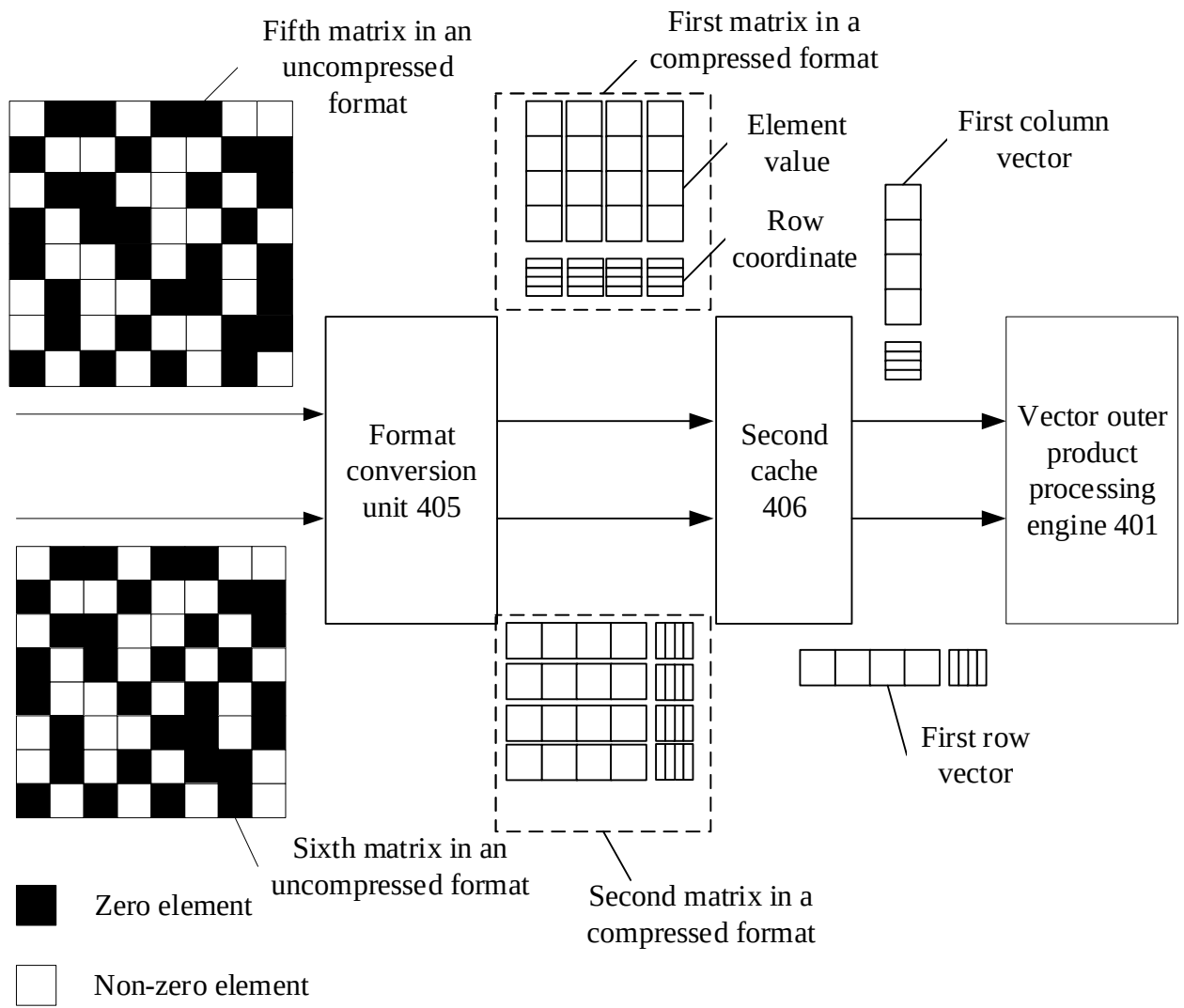


FIG. 9

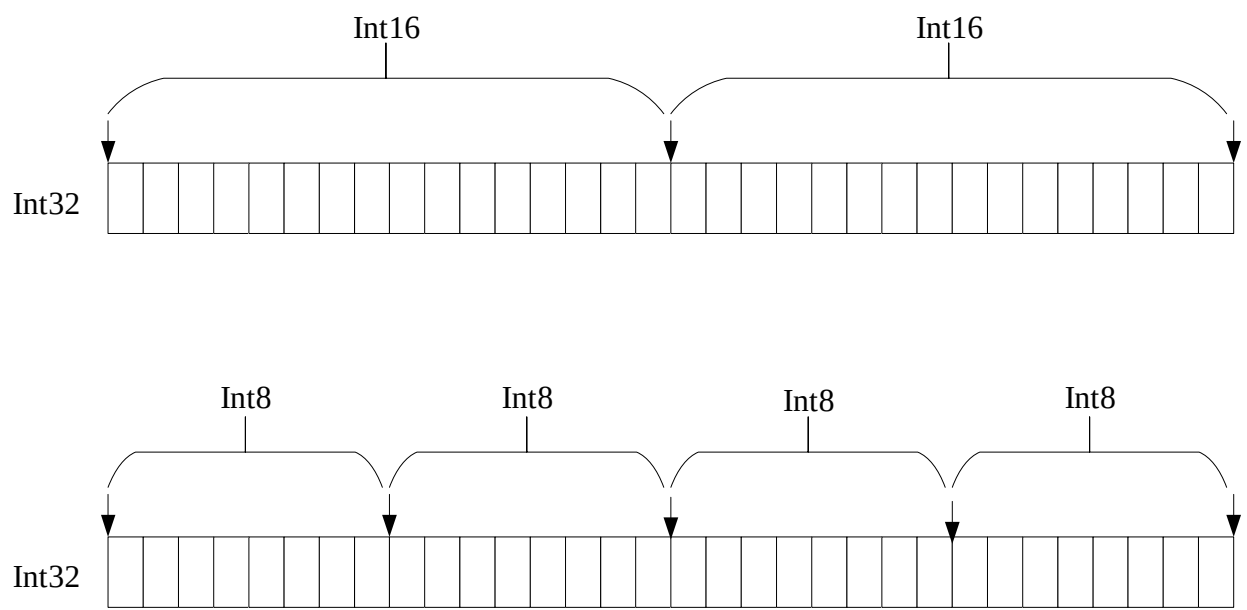


FIG. 10

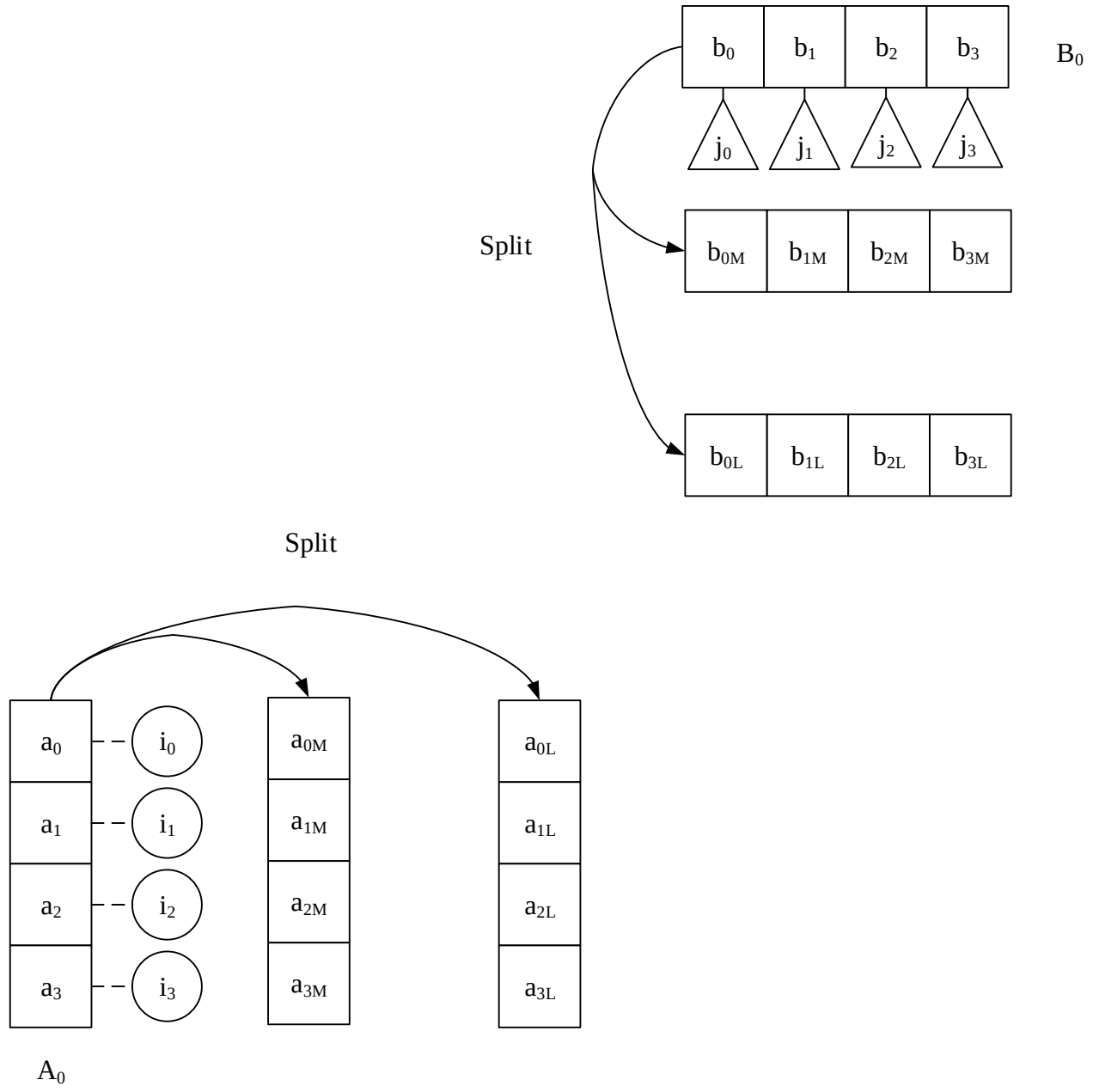


FIG. 11

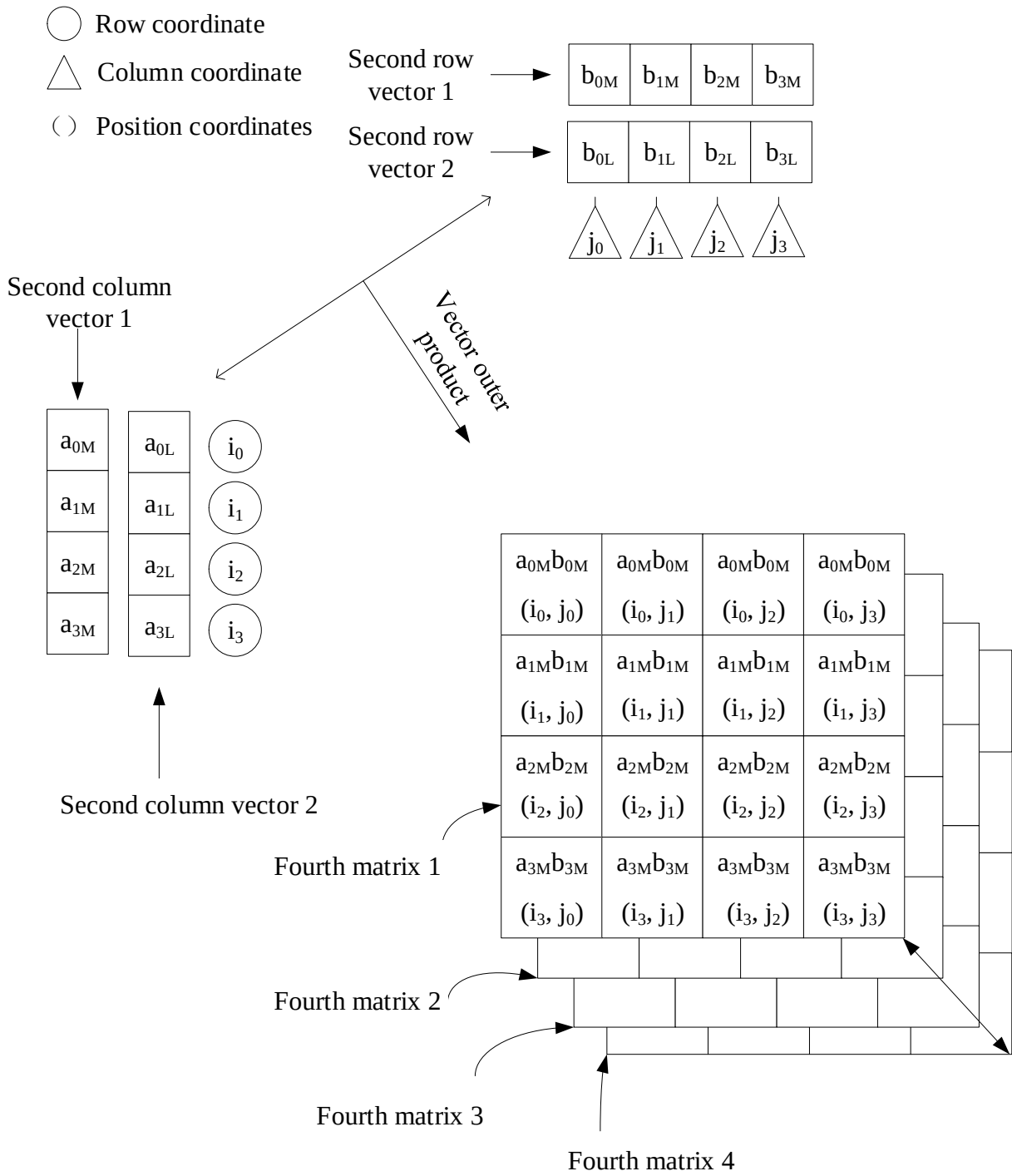


FIG. 12

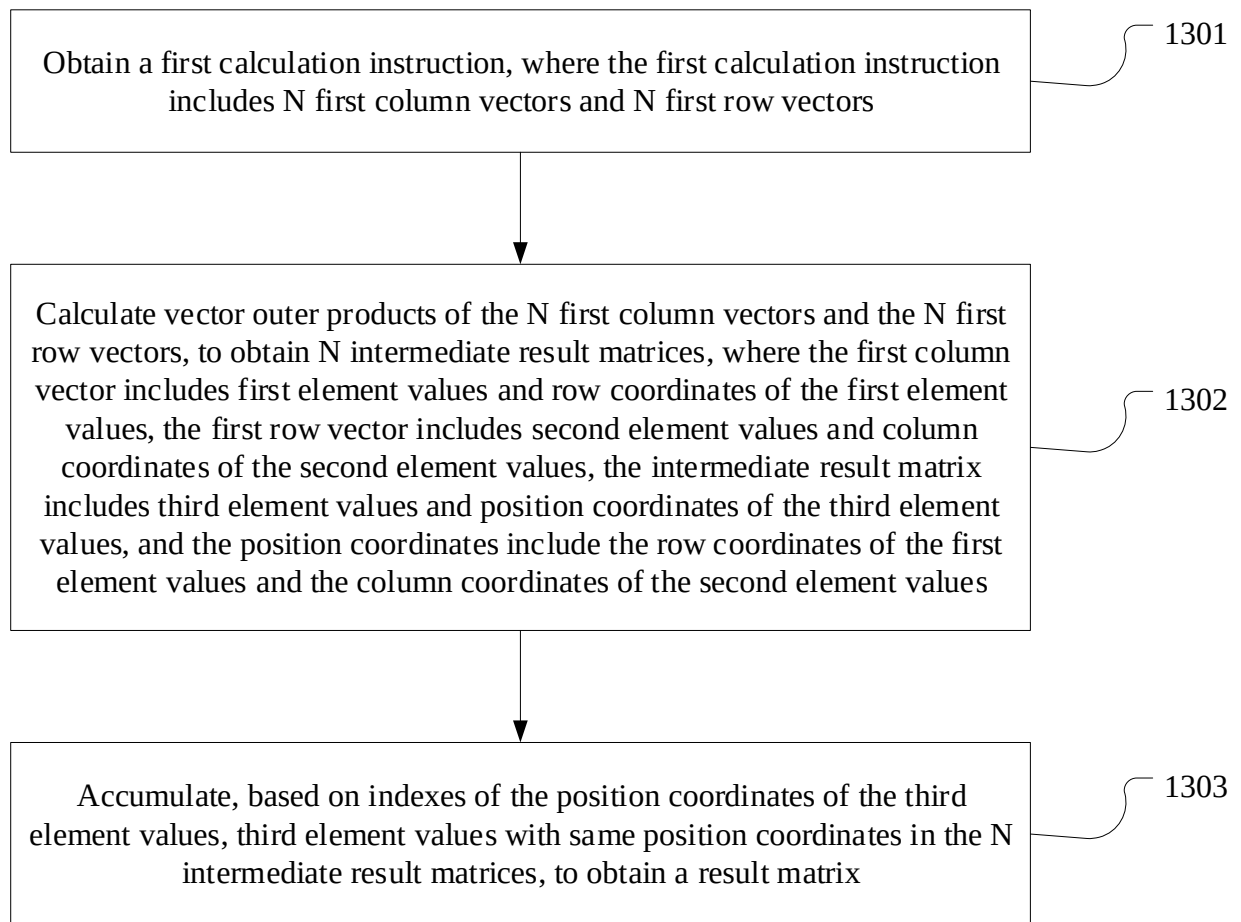


FIG. 13

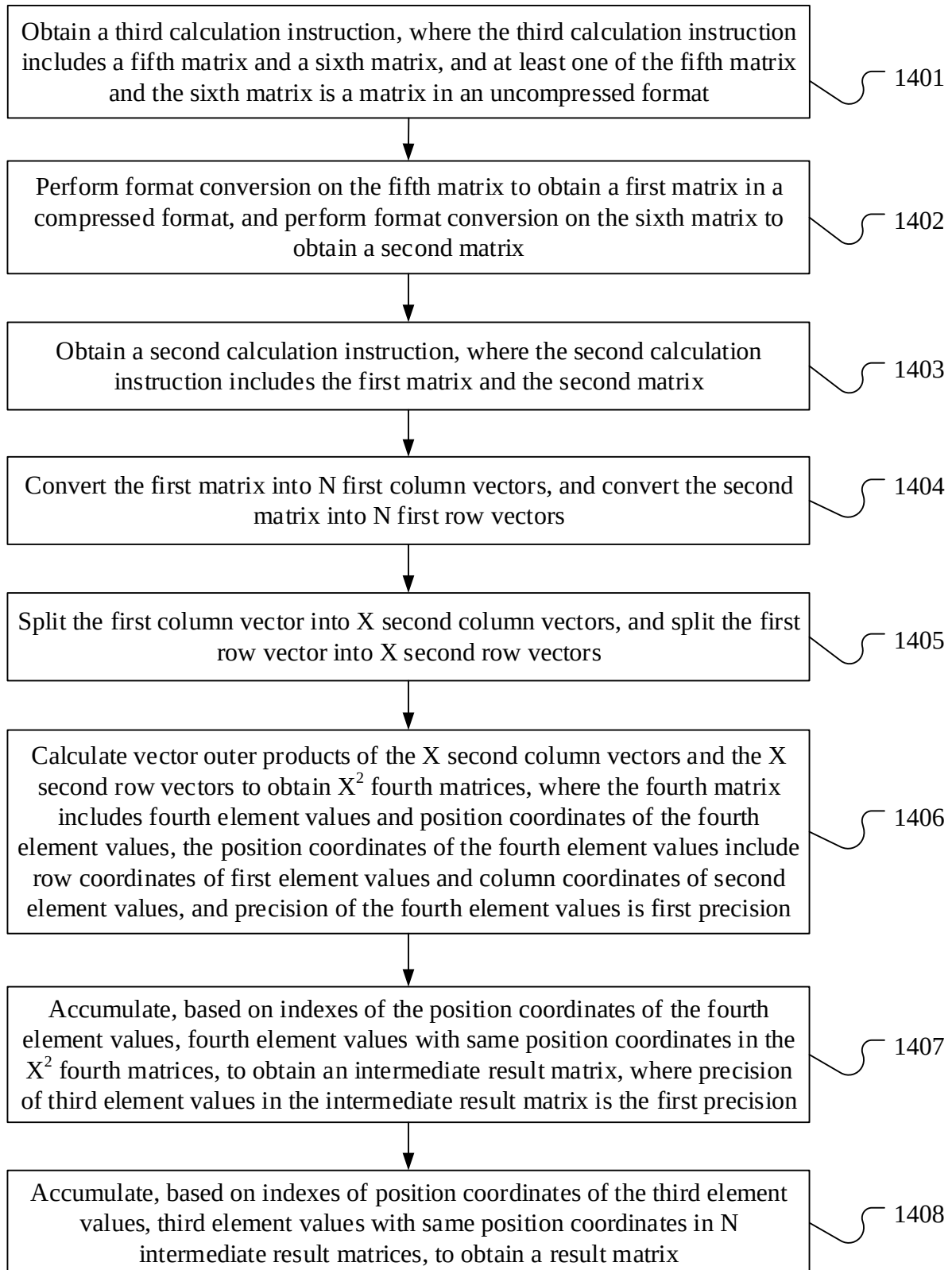


FIG. 14