

Table 1: Wyckoff site: 8a, site symmetry: 23 .

No.	position	mapping
1	$[0, 0, 0]$	$[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]$
2	$[\frac{1}{4}, \frac{1}{4}, \frac{1}{4}]$	$[13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24]$
3	$[0, \frac{1}{2}, \frac{1}{2}]$	$[25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36]$
4	$[\frac{1}{4}, \frac{3}{4}, \frac{3}{4}]$	$[37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48]$
5	$[\frac{1}{2}, 0, \frac{1}{2}]$	$[49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60]$
6	$[\frac{3}{4}, \frac{1}{4}, \frac{3}{4}]$	$[61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72]$
7	$[\frac{1}{2}, \frac{1}{2}, 0]$	$[73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84]$
8	$[\frac{3}{4}, \frac{3}{4}, \frac{1}{4}]$	$[85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96]$

Table 2: Wyckoff site: 8b, site symmetry: 23 .

No.	position	mapping
1	$[\frac{1}{2}, \frac{1}{2}, \frac{1}{2}]$	$[1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]$
2	$[\frac{3}{4}, \frac{3}{4}, \frac{3}{4}]$	$[13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24]$
3	$[\frac{1}{2}, 0, 0]$	$[25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36]$
4	$[\frac{3}{4}, \frac{1}{4}, \frac{1}{4}]$	$[37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48]$
5	$[0, \frac{1}{2}, 0]$	$[49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60]$
6	$[\frac{1}{4}, \frac{3}{4}, \frac{1}{4}]$	$[61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72]$
7	$[0, 0, \frac{1}{2}]$	$[73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84]$
8	$[\frac{1}{4}, \frac{1}{4}, \frac{3}{4}]$	$[85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96]$

Table 3: Wyckoff site: 16c, site symmetry: $.32'$

No.	position	mapping
1	$[\frac{1}{8}, \frac{1}{8}, \frac{1}{8}]$	$[1, 5, 6, 20, 22, 24]$
2	$[\frac{1}{8}, \frac{7}{8}, \frac{7}{8}]$	$[2, 10, 11, 40, 41, 45]$
3	$[\frac{7}{8}, \frac{1}{8}, \frac{7}{8}]$	$[3, 7, 12, 61, 66, 71]$
4	$[\frac{7}{8}, \frac{7}{8}, \frac{1}{8}]$	$[4, 8, 9, 86, 87, 91]$
5	$[\frac{3}{8}, \frac{1}{8}, \frac{3}{8}]$	$[13, 18, 23, 51, 55, 60]$
6	$[\frac{3}{8}, \frac{3}{8}, \frac{1}{8}]$	$[14, 15, 19, 76, 80, 81]$
7	$[\frac{1}{8}, \frac{3}{8}, \frac{3}{8}]$	$[16, 17, 21, 26, 34, 35]$
8	$[\frac{1}{8}, \frac{5}{8}, \frac{5}{8}]$	$[25, 29, 30, 44, 46, 48]$
9	$[\frac{7}{8}, \frac{5}{8}, \frac{3}{8}]$	$[27, 31, 36, 85, 90, 95]$
10	$[\frac{7}{8}, \frac{3}{8}, \frac{5}{8}]$	$[28, 32, 33, 62, 63, 67]$
11	$[\frac{3}{8}, \frac{5}{8}, \frac{7}{8}]$	$[37, 42, 47, 75, 79, 84]$
12	$[\frac{3}{8}, \frac{7}{8}, \frac{5}{8}]$	$[38, 39, 43, 52, 56, 57]$
13	$[\frac{5}{8}, \frac{1}{8}, \frac{5}{8}]$	$[49, 53, 54, 68, 70, 72]$
14	$[\frac{5}{8}, \frac{7}{8}, \frac{3}{8}]$	$[50, 58, 59, 88, 89, 93]$
15	$[\frac{5}{8}, \frac{3}{8}, \frac{7}{8}]$	$[64, 65, 69, 74, 82, 83]$

continued ...

Table 3

No.	position	mapping
16	$[\frac{5}{8}, \frac{5}{8}, \frac{1}{8}]$	[73, 77, 78, 92, 94, 96]

Table 4: Wyckoff site: 16d, site symmetry: $.32'$

No.	position	mapping
1	$[\frac{5}{8}, \frac{5}{8}, \frac{5}{8}]$	[1, 5, 6, 20, 22, 24]
2	$[\frac{5}{8}, \frac{3}{8}, \frac{3}{8}]$	[2, 10, 11, 40, 41, 45]
3	$[\frac{3}{8}, \frac{5}{8}, \frac{3}{8}]$	[3, 7, 12, 61, 66, 71]
4	$[\frac{3}{8}, \frac{3}{8}, \frac{5}{8}]$	[4, 8, 9, 86, 87, 91]
5	$[\frac{7}{8}, \frac{5}{8}, \frac{7}{8}]$	[13, 18, 23, 51, 55, 60]
6	$[\frac{7}{8}, \frac{7}{8}, \frac{5}{8}]$	[14, 15, 19, 76, 80, 81]
7	$[\frac{5}{8}, \frac{7}{8}, \frac{7}{8}]$	[16, 17, 21, 26, 34, 35]
8	$[\frac{5}{8}, \frac{1}{8}, \frac{1}{8}]$	[25, 29, 30, 44, 46, 48]
9	$[\frac{3}{8}, \frac{1}{8}, \frac{7}{8}]$	[27, 31, 36, 85, 90, 95]
10	$[\frac{3}{8}, \frac{7}{8}, \frac{1}{8}]$	[28, 32, 33, 62, 63, 67]
11	$[\frac{7}{8}, \frac{1}{8}, \frac{3}{8}]$	[37, 42, 47, 75, 79, 84]
12	$[\frac{7}{8}, \frac{3}{8}, \frac{1}{8}]$	[38, 39, 43, 52, 56, 57]
13	$[\frac{1}{8}, \frac{5}{8}, \frac{1}{8}]$	[49, 53, 54, 68, 70, 72]
14	$[\frac{1}{8}, \frac{3}{8}, \frac{7}{8}]$	[50, 58, 59, 88, 89, 93]
15	$[\frac{1}{8}, \frac{7}{8}, \frac{3}{8}]$	[64, 65, 69, 74, 82, 83]
16	$[\frac{1}{8}, \frac{1}{8}, \frac{5}{8}]$	[73, 77, 78, 92, 94, 96]

Table 5: Wyckoff site: 32e, site symmetry: $.3.$

No.	position	mapping
1	$[x, x, x]$	[1, 5, 6]
2	$[x, -x, -x]$	[2, 10, 11]
3	$[-x, x, -x]$	[3, 7, 12]
4	$[-x, -x, x]$	[4, 8, 9]
5	$[x + \frac{1}{4}, \frac{1}{4} - x, x + \frac{1}{4}]$	[13, 18, 23]
6	$[x + \frac{1}{4}, x + \frac{1}{4}, \frac{1}{4} - x]$	[14, 15, 19]
7	$[\frac{1}{4} - x, x + \frac{1}{4}, x + \frac{1}{4}]$	[16, 17, 21]
8	$[\frac{1}{4} - x, \frac{1}{4} - x, \frac{1}{4} - x]$	[20, 22, 24]
9	$[x, x + \frac{1}{2}, x + \frac{1}{2}]$	[25, 29, 30]
10	$[x, \frac{1}{2} - x, \frac{1}{2} - x]$	[26, 34, 35]
11	$[-x, x + \frac{1}{2}, \frac{1}{2} - x]$	[27, 31, 36]
12	$[-x, \frac{1}{2} - x, x + \frac{1}{2}]$	[28, 32, 33]
13	$[x + \frac{1}{4}, \frac{3}{4} - x, x + \frac{3}{4}]$	[37, 42, 47]
14	$[x + \frac{1}{4}, x + \frac{3}{4}, \frac{3}{4} - x]$	[38, 39, 43]
15	$[\frac{1}{4} - x, x + \frac{3}{4}, x + \frac{3}{4}]$	[40, 41, 45]
16	$[\frac{1}{4} - x, \frac{3}{4} - x, \frac{3}{4} - x]$	[44, 46, 48]
17	$[x + \frac{1}{2}, x, x + \frac{1}{2}]$	[49, 53, 54]

continued ...

Table 5

No.	position	mapping
18	$[x + \frac{1}{2}, -x, \frac{1}{2} - x]$	[50, 58, 59]
19	$[\frac{1}{2} - x, x, \frac{1}{2} - x]$	[51, 55, 60]
20	$[\frac{1}{2} - x, -x, x + \frac{1}{2}]$	[52, 56, 57]
21	$[x + \frac{3}{4}, \frac{1}{4} - x, x + \frac{3}{4}]$	[61, 66, 71]
22	$[x + \frac{3}{4}, x + \frac{1}{4}, \frac{3}{4} - x]$	[62, 63, 67]
23	$[\frac{3}{4} - x, x + \frac{1}{4}, x + \frac{3}{4}]$	[64, 65, 69]
24	$[\frac{3}{4} - x, \frac{1}{4} - x, \frac{3}{4} - x]$	[68, 70, 72]
25	$[x + \frac{1}{2}, x + \frac{1}{2}, x]$	[73, 77, 78]
26	$[x + \frac{1}{2}, \frac{1}{2} - x, -x]$	[74, 82, 83]
27	$[\frac{1}{2} - x, x + \frac{1}{2}, -x]$	[75, 79, 84]
28	$[\frac{1}{2} - x, \frac{1}{2} - x, x]$	[76, 80, 81]
29	$[x + \frac{3}{4}, \frac{3}{4} - x, x + \frac{1}{4}]$	[85, 90, 95]
30	$[x + \frac{3}{4}, x + \frac{3}{4}, \frac{1}{4} - x]$	[86, 87, 91]
31	$[\frac{3}{4} - x, x + \frac{3}{4}, x + \frac{1}{4}]$	[88, 89, 93]
32	$[\frac{3}{4} - x, \frac{3}{4} - x, \frac{1}{4} - x]$	[92, 94, 96]

Table 6: Wyckoff site: **48f**, site symmetry: $2..$

No.	position	mapping
1	$[x, 0, 0]$	[1, 2]
2	$[-x, 0, 0]$	[3, 4]
3	$[0, x, 0]$	[5, 12]
4	$[0, 0, x]$	[6, 9]
5	$[0, 0, -x]$	[7, 11]
6	$[0, -x, 0]$	[8, 10]
7	$[x + \frac{1}{4}, \frac{1}{4}, \frac{1}{4}]$	[13, 14]
8	$[\frac{1}{4}, \frac{1}{4}, \frac{1}{4} - x]$	[15, 24]
9	$[\frac{1}{4}, \frac{1}{4}, x + \frac{1}{4}]$	[16, 23]
10	$[\frac{1}{4}, x + \frac{1}{4}, \frac{1}{4}]$	[17, 19]
11	$[\frac{1}{4}, \frac{1}{4} - x, \frac{1}{4}]$	[18, 20]
12	$[\frac{1}{4} - x, \frac{1}{4}, \frac{1}{4}]$	[21, 22]
13	$[x, \frac{1}{2}, \frac{1}{2}]$	[25, 26]
14	$[-x, \frac{1}{2}, \frac{1}{2}]$	[27, 28]
15	$[0, x + \frac{1}{2}, \frac{1}{2}]$	[29, 36]
16	$[0, \frac{1}{2}, x + \frac{1}{2}]$	[30, 33]
17	$[0, \frac{1}{2}, \frac{1}{2} - x]$	[31, 35]
18	$[0, \frac{1}{2} - x, \frac{1}{2}]$	[32, 34]
19	$[x + \frac{1}{4}, \frac{3}{4}, \frac{3}{4}]$	[37, 38]
20	$[\frac{1}{4}, \frac{3}{4}, \frac{3}{4} - x]$	[39, 48]
21	$[\frac{1}{4}, \frac{3}{4}, x + \frac{3}{4}]$	[40, 47]
22	$[\frac{1}{4}, x + \frac{3}{4}, \frac{3}{4}]$	[41, 43]
23	$[\frac{1}{4}, \frac{3}{4} - x, \frac{3}{4}]$	[42, 44]
24	$[\frac{1}{4} - x, \frac{3}{4}, \frac{3}{4}]$	[45, 46]
25	$[x + \frac{1}{2}, 0, \frac{1}{2}]$	[49, 50]

continued ...

Table 6

No.	position	mapping
26	$[\frac{1}{2} - x, 0, \frac{1}{2}]$	[51, 52]
27	$[\frac{1}{2}, x, \frac{1}{2}]$	[53, 60]
28	$[\frac{1}{2}, 0, x + \frac{1}{2}]$	[54, 57]
29	$[\frac{1}{2}, 0, \frac{1}{2} - x]$	[55, 59]
30	$[\frac{1}{2}, -x, \frac{1}{2}]$	[56, 58]
31	$[x + \frac{3}{4}, \frac{1}{4}, \frac{3}{4}]$	[61, 62]
32	$[\frac{3}{4}, \frac{1}{4}, \frac{3}{4} - x]$	[63, 72]
33	$[\frac{3}{4}, \frac{1}{4}, x + \frac{3}{4}]$	[64, 71]
34	$[\frac{3}{4}, x + \frac{1}{4}, \frac{3}{4}]$	[65, 67]
35	$[\frac{3}{4}, \frac{1}{4} - x, \frac{3}{4}]$	[66, 68]
36	$[\frac{3}{4} - x, \frac{1}{4}, \frac{3}{4}]$	[69, 70]
37	$[x + \frac{1}{2}, \frac{1}{2}, 0]$	[73, 74]
38	$[\frac{1}{2} - x, \frac{1}{2}, 0]$	[75, 76]
39	$[\frac{1}{2}, x + \frac{1}{2}, 0]$	[77, 84]
40	$[\frac{1}{2}, \frac{1}{2}, x]$	[78, 81]
41	$[\frac{1}{2}, \frac{1}{2}, -x]$	[79, 83]
42	$[\frac{1}{2}, \frac{1}{2} - x, 0]$	[80, 82]
43	$[x + \frac{3}{4}, \frac{3}{4}, \frac{1}{4}]$	[85, 86]
44	$[\frac{3}{4}, \frac{3}{4}, \frac{1}{4} - x]$	[87, 96]
45	$[\frac{3}{4}, \frac{3}{4}, x + \frac{1}{4}]$	[88, 95]
46	$[\frac{3}{4}, x + \frac{3}{4}, \frac{1}{4}]$	[89, 91]
47	$[\frac{3}{4}, \frac{3}{4} - x, \frac{1}{4}]$	[90, 92]
48	$[\frac{3}{4} - x, \frac{3}{4}, \frac{1}{4}]$	[93, 94]

Table 7: Wyckoff site: 48g, site symmetry: $\bar{3}2'$

No.	position	mapping
1	$[\frac{1}{8}, y, \frac{1}{4} - y]$	[1, 22]
2	$[\frac{1}{8}, -y, y + \frac{3}{4}]$	[2, 45]
3	$[\frac{7}{8}, y, y + \frac{3}{4}]$	[3, 61]
4	$[\frac{7}{8}, -y, \frac{1}{4} - y]$	[4, 86]
5	$[\frac{1}{4} - y, \frac{1}{8}, y]$	[5, 20]
6	$[y, \frac{1}{4} - y, \frac{1}{8}]$	[6, 24]
7	$[-y, \frac{1}{4} - y, \frac{7}{8}]$	[7, 71]
8	$[y + \frac{3}{4}, \frac{7}{8}, y]$	[8, 91]
9	$[-y, y + \frac{3}{4}, \frac{1}{8}]$	[9, 87]
10	$[\frac{1}{4} - y, \frac{7}{8}, -y]$	[10, 41]
11	$[y, y + \frac{3}{4}, \frac{7}{8}]$	[11, 40]
12	$[y + \frac{3}{4}, \frac{1}{8}, -y]$	[12, 66]
13	$[\frac{3}{8}, y, y + \frac{1}{4}]$	[13, 51]
14	$[\frac{3}{8}, \frac{1}{2} - y, \frac{1}{4} - y]$	[14, 76]
15	$[\frac{1}{2} - y, y + \frac{1}{4}, \frac{1}{8}]$	[15, 81]
16	$[y, y + \frac{1}{4}, \frac{3}{8}]$	[16, 35]
17	$[\frac{1}{4} - y, \frac{3}{8}, \frac{1}{2} - y]$	[17, 34]

continued ...

Table 7

No.	position	mapping
18	$[y + \frac{1}{4}, \frac{1}{8}, \frac{1}{2} - y]$	[18, 60]
19	$[y + \frac{1}{4}, \frac{3}{8}, y]$	[19, 80]
20	$[\frac{1}{8}, \frac{1}{2} - y, y + \frac{1}{4}]$	[21, 26]
21	$[\frac{1}{2} - y, \frac{1}{4} - y, \frac{3}{8}]$	[23, 55]
22	$[\frac{1}{8}, y + \frac{1}{2}, \frac{3}{4} - y]$	[25, 46]
23	$[\frac{7}{8}, y + \frac{1}{2}, y + \frac{1}{4}]$	[27, 85]
24	$[\frac{7}{8}, \frac{1}{2} - y, \frac{3}{4} - y]$	[28, 62]
25	$[\frac{1}{4} - y, \frac{5}{8}, y + \frac{1}{2}]$	[29, 44]
26	$[y, \frac{3}{4} - y, \frac{5}{8}]$	[30, 48]
27	$[-y, \frac{3}{4} - y, \frac{3}{8}]$	[31, 95]
28	$[y + \frac{3}{4}, \frac{3}{8}, y + \frac{1}{2}]$	[32, 67]
29	$[-y, y + \frac{1}{4}, \frac{5}{8}]$	[33, 63]
30	$[y + \frac{3}{4}, \frac{5}{8}, \frac{1}{2} - y]$	[36, 90]
31	$[\frac{3}{8}, y + \frac{1}{2}, y + \frac{3}{4}]$	[37, 75]
32	$[\frac{3}{8}, -y, \frac{3}{4} - y]$	[38, 52]
33	$[\frac{1}{2} - y, y + \frac{3}{4}, \frac{5}{8}]$	[39, 57]
34	$[y + \frac{1}{4}, \frac{5}{8}, -y]$	[42, 84]
35	$[y + \frac{1}{4}, \frac{7}{8}, y + \frac{1}{2}]$	[43, 56]
36	$[\frac{1}{2} - y, \frac{3}{4} - y, \frac{7}{8}]$	[47, 79]
37	$[\frac{5}{8}, y, \frac{3}{4} - y]$	[49, 70]
38	$[\frac{5}{8}, -y, y + \frac{1}{4}]$	[50, 93]
39	$[\frac{3}{4} - y, \frac{1}{8}, y + \frac{1}{2}]$	[53, 68]
40	$[y + \frac{1}{2}, \frac{1}{4} - y, \frac{5}{8}]$	[54, 72]
41	$[\frac{3}{4} - y, \frac{7}{8}, \frac{1}{2} - y]$	[58, 89]
42	$[y + \frac{1}{2}, y + \frac{3}{4}, \frac{3}{8}]$	[59, 88]
43	$[y + \frac{1}{2}, y + \frac{1}{4}, \frac{7}{8}]$	[64, 83]
44	$[\frac{3}{4} - y, \frac{3}{8}, -y]$	[65, 82]
45	$[\frac{5}{8}, \frac{1}{2} - y, y + \frac{3}{4}]$	[69, 74]
46	$[\frac{5}{8}, y + \frac{1}{2}, \frac{1}{4} - y]$	[73, 94]
47	$[\frac{3}{4} - y, \frac{5}{8}, y]$	[77, 92]
48	$[y + \frac{1}{2}, \frac{3}{4} - y, \frac{1}{8}]$	[78, 96]

Table 8: Wyckoff site: 96h, site symmetry: 1

No.	position	mapping
1	$[x, y, z]$	[1]
2	$[x, -y, -z]$	[2]
3	$[-x, y, -z]$	[3]
4	$[-x, -y, z]$	[4]
5	$[z, x, y]$	[5]
6	$[y, z, x]$	[6]
7	$[-y, z, -x]$	[7]
8	$[-z, -x, y]$	[8]
9	$[-y, -z, x]$	[9]

continued ...

Table 8

No.	position	mapping
10	$[z, -x, -y]$	[10]
11	$[y, -z, -x]$	[11]
12	$[-z, x, -y]$	[12]
13	$[x + \frac{1}{4}, \frac{1}{4} - z, y + \frac{1}{4}]$	[13]
14	$[x + \frac{1}{4}, z + \frac{1}{4}, \frac{1}{4} - y]$	[14]
15	$[z + \frac{1}{4}, y + \frac{1}{4}, \frac{1}{4} - x]$	[15]
16	$[\frac{1}{4} - z, y + \frac{1}{4}, x + \frac{1}{4}]$	[16]
17	$[\frac{1}{4} - y, x + \frac{1}{4}, z + \frac{1}{4}]$	[17]
18	$[y + \frac{1}{4}, \frac{1}{4} - x, z + \frac{1}{4}]$	[18]
19	$[y + \frac{1}{4}, x + \frac{1}{4}, \frac{1}{4} - z]$	[19]
20	$[\frac{1}{4} - y, \frac{1}{4} - x, \frac{1}{4} - z]$	[20]
21	$[\frac{1}{4} - x, z + \frac{1}{4}, y + \frac{1}{4}]$	[21]
22	$[\frac{1}{4} - x, \frac{1}{4} - z, \frac{1}{4} - y]$	[22]
23	$[z + \frac{1}{4}, \frac{1}{4} - y, x + \frac{1}{4}]$	[23]
24	$[\frac{1}{4} - z, \frac{1}{4} - y, \frac{1}{4} - x]$	[24]
25	$[x, y + \frac{1}{2}, z + \frac{1}{2}]$	[25]
26	$[x, \frac{1}{2} - y, \frac{1}{2} - z]$	[26]
27	$[-x, y + \frac{1}{2}, \frac{1}{2} - z]$	[27]
28	$[-x, \frac{1}{2} - y, z + \frac{1}{2}]$	[28]
29	$[z, x + \frac{1}{2}, y + \frac{1}{2}]$	[29]
30	$[y, z + \frac{1}{2}, x + \frac{1}{2}]$	[30]
31	$[-y, z + \frac{1}{2}, \frac{1}{2} - x]$	[31]
32	$[-z, \frac{1}{2} - x, y + \frac{1}{2}]$	[32]
33	$[-y, \frac{1}{2} - z, x + \frac{1}{2}]$	[33]
34	$[z, \frac{1}{2} - x, \frac{1}{2} - y]$	[34]
35	$[y, \frac{1}{2} - z, \frac{1}{2} - x]$	[35]
36	$[-z, x + \frac{1}{2}, \frac{1}{2} - y]$	[36]
37	$[x + \frac{1}{4}, \frac{3}{4} - z, y + \frac{3}{4}]$	[37]
38	$[x + \frac{1}{4}, z + \frac{3}{4}, \frac{3}{4} - y]$	[38]
39	$[z + \frac{1}{4}, y + \frac{3}{4}, \frac{3}{4} - x]$	[39]
40	$[\frac{1}{4} - z, y + \frac{3}{4}, x + \frac{3}{4}]$	[40]
41	$[\frac{1}{4} - y, x + \frac{3}{4}, z + \frac{3}{4}]$	[41]
42	$[y + \frac{1}{4}, \frac{3}{4} - x, z + \frac{3}{4}]$	[42]
43	$[y + \frac{1}{4}, x + \frac{3}{4}, \frac{3}{4} - z]$	[43]
44	$[\frac{1}{4} - y, \frac{3}{4} - x, \frac{3}{4} - z]$	[44]
45	$[\frac{1}{4} - x, z + \frac{3}{4}, y + \frac{3}{4}]$	[45]
46	$[\frac{1}{4} - x, \frac{3}{4} - z, \frac{3}{4} - y]$	[46]
47	$[z + \frac{1}{4}, \frac{3}{4} - y, x + \frac{3}{4}]$	[47]
48	$[\frac{1}{4} - z, \frac{3}{4} - y, \frac{3}{4} - x]$	[48]
49	$[x + \frac{1}{2}, y, z + \frac{1}{2}]$	[49]
50	$[x + \frac{1}{2}, -y, \frac{1}{2} - z]$	[50]
51	$[\frac{1}{2} - x, y, \frac{1}{2} - z]$	[51]
52	$[\frac{1}{2} - x, -y, z + \frac{1}{2}]$	[52]
53	$[z + \frac{1}{2}, x, y + \frac{1}{2}]$	[53]
54	$[y + \frac{1}{2}, z, x + \frac{1}{2}]$	[54]
55	$[\frac{1}{2} - y, z, \frac{1}{2} - x]$	[55]
56	$[\frac{1}{2} - z, -x, y + \frac{1}{2}]$	[56]

continued ...

Table 8

No.	position	mapping
57	$[\frac{1}{2} - y, -z, x + \frac{1}{2}]$	[57]
58	$[z + \frac{1}{2}, -x, \frac{1}{2} - y]$	[58]
59	$[y + \frac{1}{2}, -z, \frac{1}{2} - x]$	[59]
60	$[\frac{1}{2} - z, x, \frac{1}{2} - y]$	[60]
61	$[x + \frac{3}{4}, \frac{1}{4} - z, y + \frac{3}{4}]$	[61]
62	$[x + \frac{3}{4}, z + \frac{1}{4}, \frac{3}{4} - y]$	[62]
63	$[z + \frac{3}{4}, y + \frac{1}{4}, \frac{3}{4} - x]$	[63]
64	$[\frac{3}{4} - z, y + \frac{1}{4}, x + \frac{3}{4}]$	[64]
65	$[\frac{3}{4} - y, x + \frac{1}{4}, z + \frac{3}{4}]$	[65]
66	$[y + \frac{3}{4}, \frac{1}{4} - x, z + \frac{3}{4}]$	[66]
67	$[y + \frac{3}{4}, x + \frac{1}{4}, \frac{3}{4} - z]$	[67]
68	$[\frac{3}{4} - y, \frac{1}{4} - x, \frac{3}{4} - z]$	[68]
69	$[\frac{3}{4} - x, z + \frac{1}{4}, y + \frac{3}{4}]$	[69]
70	$[\frac{3}{4} - x, \frac{1}{4} - z, \frac{3}{4} - y]$	[70]
71	$[z + \frac{3}{4}, \frac{1}{4} - y, x + \frac{3}{4}]$	[71]
72	$[\frac{3}{4} - z, \frac{1}{4} - y, \frac{3}{4} - x]$	[72]
73	$[x + \frac{1}{2}, y + \frac{1}{2}, z]$	[73]
74	$[x + \frac{1}{2}, \frac{1}{2} - y, -z]$	[74]
75	$[\frac{1}{2} - x, y + \frac{1}{2}, -z]$	[75]
76	$[\frac{1}{2} - x, \frac{1}{2} - y, z]$	[76]
77	$[z + \frac{1}{2}, x + \frac{1}{2}, y]$	[77]
78	$[y + \frac{1}{2}, z + \frac{1}{2}, x]$	[78]
79	$[\frac{1}{2} - y, z + \frac{1}{2}, -x]$	[79]
80	$[\frac{1}{2} - z, \frac{1}{2} - x, y]$	[80]
81	$[\frac{1}{2} - y, \frac{1}{2} - z, x]$	[81]
82	$[z + \frac{1}{2}, \frac{1}{2} - x, -y]$	[82]
83	$[y + \frac{1}{2}, \frac{1}{2} - z, -x]$	[83]
84	$[\frac{1}{2} - z, x + \frac{1}{2}, -y]$	[84]
85	$[x + \frac{3}{4}, \frac{3}{4} - z, y + \frac{1}{4}]$	[85]
86	$[x + \frac{3}{4}, z + \frac{3}{4}, \frac{1}{4} - y]$	[86]
87	$[z + \frac{3}{4}, y + \frac{3}{4}, \frac{1}{4} - x]$	[87]
88	$[\frac{3}{4} - z, y + \frac{3}{4}, x + \frac{1}{4}]$	[88]
89	$[\frac{3}{4} - y, x + \frac{3}{4}, z + \frac{1}{4}]$	[89]
90	$[y + \frac{3}{4}, \frac{3}{4} - x, z + \frac{1}{4}]$	[90]
91	$[y + \frac{3}{4}, x + \frac{3}{4}, \frac{1}{4} - z]$	[91]
92	$[\frac{3}{4} - y, \frac{3}{4} - x, \frac{1}{4} - z]$	[92]
93	$[\frac{3}{4} - x, z + \frac{3}{4}, y + \frac{1}{4}]$	[93]
94	$[\frac{3}{4} - x, \frac{3}{4} - z, \frac{1}{4} - y]$	[94]
95	$[z + \frac{3}{4}, \frac{3}{4} - y, x + \frac{1}{4}]$	[95]
96	$[\frac{3}{4} - z, \frac{3}{4} - y, \frac{1}{4} - x]$	[96]