MSG No. 203.28 $Fd'\bar{3}'$ [Type III, cubic]

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

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

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

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

Table 3: Wyckoff site: 16c, site symmetry: .-3'.

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

continued ...

Table 3

No.	position	mapping
16	$\left[\frac{1}{2}, \frac{1}{2}, 0\right]$	[73,77,78,85,89,90]

Table 4: Wyckoff site: 16d, site symmetry: .-3'.

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

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

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

continued ...

Table 5

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

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

No.	position	mapping
1	$\left[x,\ \frac{1}{8},\ \frac{1}{8}\right]$	[1,26]
2	$\left[x,\ \frac{5}{8},\ \frac{5}{8}\right]$	[2,25]
3	$\left[\frac{3}{4}-x,\ \frac{1}{8},\ \frac{5}{8}\right]$	[3,28]
4	$\left[\frac{3}{4}-x,\ \frac{5}{8},\ \frac{1}{8}\right]$	[4,27]
5	$\left[\frac{1}{8},\ x,\ \frac{1}{8}\right]$	[5,60]
6	$\left[\frac{1}{8},\ \frac{1}{8},\ x\right]$	[6,81]
7	$\left[\frac{5}{8},\ \frac{1}{8},\ \frac{3}{4}-x\right]$	[7,83]
8	$\left[\frac{5}{8},\ \frac{3}{4}-x,\ \frac{1}{8}\right]$	[8,58]
9	$\left[\frac{5}{8},\ \frac{5}{8},\ x\right]$	[9,78]
10	$\left[\frac{1}{8},\ \frac{3}{4}-x,\ \frac{5}{8}\right]$	[10,56]
11	$\left[\frac{1}{8},\ \frac{5}{8},\ \frac{3}{4}-x\right]$	[11,79]
12	$\left[\frac{5}{8},\ x,\ \frac{5}{8}\right]$	[12,53]
13	$\left[-x,\ \frac{7}{8},\ \frac{7}{8}\right]$	[13,38]
14	$\left[-x,\ \frac{3}{8},\ \frac{3}{8}\right]$	[14,37]
15	$\left[x+\frac{1}{4},\ \frac{7}{8},\ \frac{3}{8}\right]$	[15,40]
16	$\left[x+\frac{1}{4},\ \frac{3}{8},\ \frac{7}{8}\right]$	[16,39]
17	$\left[\frac{7}{8},\ -x,\ \frac{7}{8}\right]$	[17,72]
18	$\left[\frac{7}{8},\ \frac{7}{8},\ -x\right]$	[18,93]
19	$\left[\frac{3}{8},\ \frac{7}{8},\ x+\frac{1}{4}\right]$	[19,95]
20	$\left[\frac{3}{8},\ x+\frac{1}{4},\ \frac{7}{8}\right]$	[20,70]
21	$\left[\frac{3}{8},\ \frac{3}{8},\ -x\right]$	[21,90]
22	$\left[\frac{7}{8},\ x+\frac{1}{4},\ \frac{3}{8}\right]$	[22,68]
23	$\left[\frac{7}{8},\ \frac{3}{8},\ x+\frac{1}{4}\right]$	[23,91]
24	$\left[\frac{3}{8},\ -x,\ \frac{3}{8}\right]$	[24,65]
25	$\left[\frac{1}{8},\ x+\frac{1}{2},\ \frac{5}{8}\right]$	[29,84]

continued ...

Table 6

No.	position	mapping
26	$\left[\frac{1}{8}, \frac{5}{8}, x+\frac{1}{2}\right]$	[30,57]
27	$\left[\frac{5}{8}, \frac{5}{8}, \frac{1}{4}-x\right]$	[31,59]
28	$\left[\frac{5}{8}, \frac{1}{4}-x, \frac{5}{8}\right]$	[32,82]
29	$\left[\frac{5}{8}, \frac{1}{8}, x+\frac{1}{2}\right]$	[33,54]
30	$\left[\frac{1}{8}, \frac{1}{4}-x, \frac{1}{8}\right]$	[34,80]
31	$\left[\frac{1}{8}, \frac{1}{8}, \frac{1}{4}-x\right]$	[35,55]
32	$\left[\frac{5}{8}, x+\frac{1}{2}, \frac{1}{8}\right]$	[36,77]
33	$\left[\frac{7}{8}, \frac{1}{2}-x, \frac{3}{8}\right]$	[41,96]
34	$\left[\frac{7}{8}, \frac{3}{8}, \frac{1}{2}-x\right]$	[42,69]
35	$\left[\frac{3}{8}, \frac{3}{8}, x+\frac{3}{4}\right]$	[43,71]
36	$\left[\frac{3}{8}, x+\frac{3}{4}, \frac{3}{8}\right]$	[44,94]
37	$\left[\frac{3}{8}, \frac{7}{8}, \frac{1}{2}-x\right]$	[45,66]
38	$\left[\frac{7}{8}, x+\frac{3}{4}, \frac{7}{8}\right]$	[46,92]
39	$\left[\frac{7}{8}, \frac{7}{8}, x+\frac{3}{4}\right]$	[47,67]
40	$\left[\frac{3}{8}, \frac{1}{2}-x, \frac{7}{8}\right]$	[48,89]
41	$\left[x+\frac{1}{2}, \frac{1}{8}, \frac{5}{8}\right]$	[49,74]
42	$\left[x+\frac{1}{2}, \frac{5}{8}, \frac{1}{8}\right]$	[50,73]
43	$\left[\frac{1}{4}-x, \frac{1}{8}, \frac{1}{8}\right]$	[51,76]
44	$\left[\frac{1}{4}-x, \frac{5}{8}, \frac{5}{8}\right]$	[52,75]
45	$\left[\frac{1}{2}-x, \frac{7}{8}, \frac{3}{8}\right]$	[61,86]
46	$\left[\frac{1}{2}-x, \frac{3}{8}, \frac{7}{8}\right]$	[62,85]
47	$\left[x+\frac{3}{4}, \frac{7}{8}, \frac{7}{8}\right]$	[63,88]
48	$\left[x+\frac{3}{4}, \frac{3}{8}, \frac{3}{8}\right]$	[64,87]

Table 7: Wyckoff site: 96g, site symmetry: 1

No.	position	mapping
1	$[x, y, z]$	[1]
2	$\left[x, \frac{3}{4}-y, \frac{3}{4}-z\right]$	[2]
3	$\left[\frac{3}{4}-x, y, \frac{3}{4}-z\right]$	[3]
4	$\left[\frac{3}{4}-x, \frac{3}{4}-y, z\right]$	[4]
5	$[z, x, y]$	[5]
6	$[y, z, x]$	[6]
7	$\left[\frac{3}{4}-y, z, \frac{3}{4}-x\right]$	[7]
8	$\left[\frac{3}{4}-z, \frac{3}{4}-x, y\right]$	[8]
9	$\left[\frac{3}{4}-y, \frac{3}{4}-z, x\right]$	[9]
10	$\left[z, \frac{3}{4}-x, \frac{3}{4}-y\right]$	[10]
11	$\left[y, \frac{3}{4}-z, \frac{3}{4}-x\right]$	[11]
12	$\left[\frac{3}{4}-z, x, \frac{3}{4}-y\right]$	[12]
13	$[-x, -y, -z]$	[13]
14	$\left[-x, y+\frac{1}{4}, z+\frac{1}{4}\right]$	[14]
15	$\left[x+\frac{1}{4}, -y, z+\frac{1}{4}\right]$	[15]
16	$\left[x+\frac{1}{4}, y+\frac{1}{4}, -z\right]$	[16]
17	$[-z, -x, -y]$	[17]

continued ...

Table 7

No.	position	mapping
18	$[-y,\ -z,\ -x]$	[18]
19	$\left[y+\frac{1}{4},\ -z,\ x+\frac{1}{4}\right]$	[19]
20	$\left[z+\frac{1}{4},\ x+\frac{1}{4},\ -y\right]$	[20]
21	$\left[y+\frac{1}{4},\ z+\frac{1}{4},\ -x\right]$	[21]
22	$\left[-z,\ x+\frac{1}{4},\ y+\frac{1}{4}\right]$	[22]
23	$\left[-y,\ z+\frac{1}{4},\ x+\frac{1}{4}\right]$	[23]
24	$\left[z+\frac{1}{4},\ -x,\ y+\frac{1}{4}\right]$	[24]
25	$\left[x,\ y+\frac{1}{2},\ z+\frac{1}{2}\right]$	[25]
26	$\left[x,\ \frac{1}{4}-y,\ \frac{1}{4}-z\right]$	[26]
27	$\left[\frac{3}{4}-x,\ y+\frac{1}{2},\ \frac{1}{4}-z\right]$	[27]
28	$\left[\frac{3}{4}-x,\ \frac{1}{4}-y,\ z+\frac{1}{2}\right]$	[28]
29	$\left[z,\ x+\frac{1}{2},\ y+\frac{1}{2}\right]$	[29]
30	$\left[y,\ z+\frac{1}{2},\ x+\frac{1}{2}\right]$	[30]
31	$\left[\frac{3}{4}-y,\ z+\frac{1}{2},\ \frac{1}{4}-x\right]$	[31]
32	$\left[\frac{3}{4}-z,\ \frac{1}{4}-x,\ y+\frac{1}{2}\right]$	[32]
33	$\left[\frac{3}{4}-y,\ \frac{1}{4}-z,\ x+\frac{1}{2}\right]$	[33]
34	$\left[z,\ \frac{1}{4}-x,\ \frac{1}{4}-y\right]$	[34]
35	$\left[y,\ \frac{1}{4}-z,\ \frac{1}{4}-x\right]$	[35]
36	$\left[\frac{3}{4}-z,\ x+\frac{1}{2},\ \frac{1}{4}-y\right]$	[36]
37	$\left[-x,\ \frac{1}{2}-y,\ \frac{1}{2}-z\right]$	[37]
38	$\left[-x,\ y+\frac{3}{4},\ z+\frac{3}{4}\right]$	[38]
39	$\left[x+\frac{1}{4},\ \frac{1}{2}-y,\ z+\frac{3}{4}\right]$	[39]
40	$\left[x+\frac{1}{4},\ y+\frac{3}{4},\ \frac{1}{2}-z\right]$	[40]
41	$\left[-z,\ \frac{1}{2}-x,\ \frac{1}{2}-y\right]$	[41]
42	$\left[-y,\ \frac{1}{2}-z,\ \frac{1}{2}-x\right]$	[42]
43	$\left[y+\frac{1}{4},\ \frac{1}{2}-z,\ x+\frac{3}{4}\right]$	[43]
44	$\left[z+\frac{1}{4},\ x+\frac{3}{4},\ \frac{1}{2}-y\right]$	[44]
45	$\left[y+\frac{1}{4},\ z+\frac{3}{4},\ \frac{1}{2}-x\right]$	[45]
46	$\left[-z,\ x+\frac{3}{4},\ y+\frac{3}{4}\right]$	[46]
47	$\left[-y,\ z+\frac{3}{4},\ x+\frac{3}{4}\right]$	[47]
48	$\left[z+\frac{1}{4},\ \frac{1}{2}-x,\ y+\frac{3}{4}\right]$	[48]
49	$\left[x+\frac{1}{2},\ y,\ z+\frac{1}{2}\right]$	[49]
50	$\left[x+\frac{1}{2},\ \frac{3}{4}-y,\ \frac{1}{4}-z\right]$	[50]
51	$\left[\frac{1}{4}-x,\ y,\ \frac{1}{4}-z\right]$	[51]
52	$\left[\frac{1}{4}-x,\ \frac{3}{4}-y,\ z+\frac{1}{2}\right]$	[52]
53	$\left[z+\frac{1}{2},\ x,\ y+\frac{1}{2}\right]$	[53]
54	$\left[y+\frac{1}{2},\ z,\ x+\frac{1}{2}\right]$	[54]
55	$\left[\frac{1}{4}-y,\ z,\ \frac{1}{4}-x\right]$	[55]
56	$\left[\frac{1}{4}-z,\ \frac{3}{4}-x,\ y+\frac{1}{2}\right]$	[56]
57	$\left[\frac{1}{4}-y,\ \frac{3}{4}-z,\ x+\frac{1}{2}\right]$	[57]
58	$\left[z+\frac{1}{2},\ \frac{3}{4}-x,\ \frac{1}{4}-y\right]$	[58]
59	$\left[y+\frac{1}{2},\ \frac{3}{4}-z,\ \frac{1}{4}-x\right]$	[59]
60	$\left[\frac{1}{4}-z,\ x,\ \frac{1}{4}-y\right]$	[60]
61	$\left[\frac{1}{2}-x,\ -y,\ \frac{1}{2}-z\right]$	[61]
62	$\left[\frac{1}{2}-x,\ y+\frac{1}{4},\ z+\frac{3}{4}\right]$	[62]
63	$\left[x+\frac{3}{4},\ -y,\ z+\frac{3}{4}\right]$	[63]
64	$\left[x+\frac{3}{4},\ y+\frac{1}{4},\ \frac{1}{2}-z\right]$	[64]

continued ...

Table 7

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