MSG No. 185.201 $P6_3c'm'$ [Type III, hexagonal]

Table 1: Wyckoff site: `2a`, site symmetry: `3.m'`

No.	position	mapping
1	$[0,\ 0,\ z]$	`[1,3,5,10,11,12]`
2	$\left[0,\ 0,\ z+\frac{1}{2}\right]$	`[2,4,6,7,8,9]`

Table 2: Wyckoff site: `4b`, site symmetry: `3..`

No.	position	mapping
1	$\left[\frac{1}{3},\ \frac{2}{3},\ z\right]$	`[1,3,5]`
2	$\left[\frac{2}{3},\ \frac{1}{3},\ z+\frac{1}{2}\right]$	`[2,4,6]`
3	$\left[\frac{1}{3},\ \frac{2}{3},\ z+\frac{1}{2}\right]$	`[7,8,9]`
4	$\left[\frac{2}{3},\ \frac{1}{3},\ z\right]$	`[10,11,12]`

Table 3: Wyckoff site: `6c`, site symmetry: `..m'`

No.	position	mapping
1	$[x,\ 0,\ z]$	`[1,11]`
2	$\left[x,\ x,\ z+\frac{1}{2}\right]$	`[2,9]`
3	$[0,\ x,\ z]$	`[3,12]`
4	$\left[-x,\ 0,\ z+\frac{1}{2}\right]$	`[4,7]`
5	$[-x,\ -x,\ z]$	`[5,10]`
6	$\left[0,\ -x,\ z+\frac{1}{2}\right]$	`[6,8]`

Table 4: Wyckoff site: `12d`, site symmetry: `1`

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