bra: [(0,0)]

ket: [(0,0)]

bra:
$$[(0,0)]$$

ket: $[(1,1),(1,0),(1,-1)]$

bra:
$$[(0,0)]$$

ket: [(2,2),(2,1),(2,0),(2,-1),(2,-2)]

Atomic Multipoles (spinless LM basis)

no. type basis
$$1 \quad \mathbb{Q}_0^{(a)} \quad \left(1\right)$$

no.	type	basis
2	$\mathbb{Q}_{1,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & -\frac{\sqrt{3}}{3} \end{pmatrix}$
3	$\mathbb{Q}_{1,0}^{(a)}$	$\begin{pmatrix} 0 & \frac{\sqrt{3}}{3} & 0 \end{pmatrix}$
4	$\mathbb{Q}_{1,-1}^{(a)}$	$\left(-\frac{\sqrt{3}}{3} 0 0\right)$
5	$\mathbb{T}_{1,1}^{(a)}$	$ \left(0 0 -\frac{\sqrt{3}i}{9}\right) $
6	$\mathbb{T}_{1,0}^{(a)}$	$\left(0 \frac{\sqrt{3}i}{9} 0\right)$
7	$\mathbb{T}_{1,-1}^{(a)}$	$\left(-\frac{\sqrt{3}i}{9} 0 0\right)$

no.	type	basis
8	$\mathbb{Q}_{2,2}^{(a)}$	$\left(0 0 0 0 \frac{\sqrt{5}}{5}\right)$
9	$\mathbb{Q}_{2,1}^{(a)}$	$ \left(0 0 0 -\frac{\sqrt{5}}{5} 0\right) $

bra:
$$[(0,0)]$$

ket: $[(3,3),(3,2),(3,1),(3,0),(3,-1),(3,-2),(3,-3)]$

表 3		
no.	type	basis
10	$\mathbb{Q}_{2,0}^{(a)}$	$\left(0 0 \frac{\sqrt{5}}{5} 0 0\right)$
11	$\mathbb{Q}_{2,-1}^{(a)}$	$\left(0 - \frac{\sqrt{5}}{5} 0 0 0\right)$
12	$\mathbb{Q}_{2,-2}^{(a)}$	$\left(\begin{array}{ccccc} \sqrt{5} & 0 & 0 & 0 & 0 \end{array}\right)$
13	$\mathbb{T}_{2,2}^{(a)}$	$\left(0\ 0\ 0\ 0\ \frac{\sqrt{5}i}{10}\right)$
14	$\mathbb{T}_{2,1}^{(a)}$	$ \left(\begin{array}{ccccc} 0 & 0 & 0 & -\frac{\sqrt{5}i}{10} & 0 \end{array}\right) $
15	$\mathbb{T}_{2,0}^{(a)}$	$ \left(0 0 \frac{\sqrt{5}i}{10} 0 0\right) $
16	$\mathbb{T}_{2,-1}^{(a)}$	$ \begin{pmatrix} 0 & -\frac{\sqrt{5}i}{10} & 0 & 0 & 0 \end{pmatrix} $
17	$\mathbb{T}_{2,-2}^{(a)}$	$\left(\begin{array}{ccccc} \sqrt{5}i & 0 & 0 & 0 & 0 \end{array}\right)$

no.	type	basis
18	$\mathbb{Q}_{3,3}^{(a)}$	$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
19	$\mathbb{Q}_{3,2}^{(a)}$	$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
20	$\mathbb{Q}_{3,1}^{(a)}$	$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
21	$\mathbb{Q}_{3,0}^{(a)}$	$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
22	$\mathbb{Q}_{3,-1}^{(a)}$	$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
23	$\mathbb{Q}_{3,-2}^{(a)}$	$\left(0 \frac{\sqrt{7}}{7} 0 0 0 0 0\right)$
24	$\mathbb{Q}_{3,-3}^{(a)}$	$\left(-\frac{\sqrt{7}}{7} 0 0 0 0 0 0\right)$
25	$\mathbb{T}_{3,3}^{(a)}$	$ \left(0 0 0 0 0 0 -\frac{3\sqrt{7}i}{35}\right) $

bra: [(1,1),(1,0),(1,-1)]ket: [(1,1),(1,0),(1,-1)]

表 4

no.	type	basis
26	$\mathbb{T}_{3,2}^{(a)}$	$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
27	$\mathbb{T}_{3,1}^{(a)}$	
28	$\mathbb{T}_{3,0}^{(a)}$	$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
29	$\mathbb{T}_{3,-1}^{(a)}$	
30	$\mathbb{T}_{3,-2}^{(a)}$	$\left(0 \frac{3\sqrt{7}i}{35} 0 0 0 0 0\right)$
31	$\mathbb{T}_{3,-3}^{(a)}$	$\left(-\frac{3\sqrt{7}i}{35} 0 0 0 0 0 0 \right)$

no.	type	basis
32	$\mathbb{Q}_0^{(a)}$	$\begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{pmatrix}$
33	$\mathbb{Q}_{2,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & -\frac{\sqrt{6}}{5} \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix}$
34	$\mathbb{Q}_{2,1}^{(a)}$	$ \begin{pmatrix} 0 & \frac{\sqrt{3}}{5} & 0 \\ 0 & 0 & -\frac{\sqrt{3}}{5} \\ 0 & 0 & 0 \end{pmatrix} $
35	$\mathbb{Q}_{2,0}^{(a)}$	$\begin{pmatrix} -\frac{1}{5} & 0 & 0\\ 0 & \frac{2}{5} & 0\\ 0 & 0 & -\frac{1}{5} \end{pmatrix}$

bra: [(1,1),(1,0),(1,-1)]ket: [(2,2),(2,1),(2,0),(2,-1),(2,-2)]

表 5

no.	type	basis
36	$\mathbb{Q}_{2,-1}^{(a)}$	$ \begin{pmatrix} 0 & 0 & 0 \\ -\frac{\sqrt{3}}{5} & 0 & 0 \\ 0 & \frac{\sqrt{3}}{5} & 0 \end{pmatrix} $
37	$\mathbb{Q}_{2,-2}^{(a)}$	$ \begin{pmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ -\frac{\sqrt{6}}{5} & 0 & 0 \end{pmatrix} $
38	$\mathbb{M}_{1,1}^{(a)}$	$\begin{pmatrix} 0 & -1 & 0 \\ 0 & 0 & -1 \\ 0 & 0 & 0 \end{pmatrix}$
39	$\mathbb{M}_{1,0}^{(a)}$	$\begin{pmatrix} 1 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & -1 \end{pmatrix}$
40	$\mathbb{M}_{1,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 \\ 1 & 0 & 0 \\ 0 & 1 & 0 \end{pmatrix}$

no.	type		ba	asis	
		$\int_{0}^{\infty} 0$	$-\tfrac{\sqrt{15}}{15}$	0	0
41	$\mathbb{Q}_{1,1}^{(a)}$	0 0	0	$-\frac{\sqrt{5}}{5}$	0
		0 0	0	0	$-\frac{\sqrt{10}}{5}$

 $continued\ ...$

no.	type	basis
42	$\mathbb{Q}_{1,0}^{(a)}$	$\begin{pmatrix} 0 & \frac{\sqrt{5}}{5} & 0 & 0 & 0 \\ 0 & 0 & \frac{2\sqrt{15}}{15} & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{5}}{5} & 0 \end{pmatrix}$
43	$\mathbb{Q}_{1,-1}^{(a)}$	$ \begin{pmatrix} -\frac{\sqrt{10}}{5} & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{5}}{5} & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{15}}{15} & 0 & 0 \end{pmatrix} $
44	$\mathbb{Q}_{3,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{3}{7} \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0$
45	$\mathbb{Q}_{3,2}^{(a)}$	$ \begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{6}}{7} & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{3}}{7} \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix} $
46	$\mathbb{Q}_{3,1}^{(a)}$	$ \begin{pmatrix} 0 & 0 & \frac{3\sqrt{10}}{35} & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{30}}{35} & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{15}}{35} \end{pmatrix} $
47	$\mathbb{Q}_{3,0}^{(a)}$	$ \begin{pmatrix} 0 & -\frac{3\sqrt{5}}{35} & 0 & 0 & 0 \\ 0 & 0 & \frac{3\sqrt{15}}{35} & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{5}}{35} & 0 \end{pmatrix} $
48	$\mathbb{Q}_{3,-1}^{(a)}$	$\begin{pmatrix} \frac{\sqrt{15}}{35} & 0 & 0 & 0 & 0\\ 0 & -\frac{2\sqrt{30}}{35} & 0 & 0 & 0\\ 0 & 0 & \frac{3\sqrt{10}}{35} & 0 & 0 \end{pmatrix}$
49	$\mathbb{Q}_{3,-2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{3}}{7} & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{6}}{7} & 0 & 0 & 0 \end{pmatrix}$

no.	type	basis
50	$\mathbb{Q}_{3,-3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ \frac{3}{7} & 0 & 0 & 0 & 0 \end{pmatrix}$
51	$\mathbb{M}_{2,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & \frac{2\sqrt{30}}{15} & 0 \\ 0 & 0 & 0 & 0 & \frac{4\sqrt{15}}{15} \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
52	$\mathbb{M}_{2,1}^{(a)}$	$ \begin{pmatrix} 0 & 0 & -\frac{2\sqrt{5}}{5} & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{15}}{15} & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{30}}{15} \end{pmatrix} $
53	$\mathbb{M}_{2,0}^{(a)}$	$\begin{pmatrix} 0 & \frac{2\sqrt{5}}{5} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 &$
54	$\mathbb{M}_{2,-1}^{(a)}$	$ \begin{pmatrix} -\frac{2\sqrt{30}}{15} & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{15}}{15} & 0 & 0 & 0 \\ 0 & 0 & \frac{2\sqrt{5}}{5} & 0 & 0 \end{pmatrix} $
55	$\mathbb{M}_{2,-2}^{(a)}$	$ \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{15}}{15} & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{30}}{15} & 0 & 0 & 0 \end{pmatrix} $
56	$\mathbb{T}_{1,1}^{(a)}$	$ \begin{pmatrix} 0 & 0 & -\frac{2\sqrt{15}i}{45} & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{5}i}{15} & 0 \\ 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}i}{15} \end{pmatrix} $
57	$\mathbb{T}_{1,0}^{(a)}$	$\begin{pmatrix} 0 & \frac{2\sqrt{5}i}{15} & 0 & 0 & 0\\ 0 & 0 & \frac{4\sqrt{15}i}{45} & 0 & 0\\ 0 & 0 & 0 & \frac{2\sqrt{5}i}{15} & 0 \end{pmatrix}$

表 6

no.	type	basis
58	$\mathbb{T}_{1,-1}^{(a)}$	$ \begin{pmatrix} -\frac{2\sqrt{10}i}{15} & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{5}i}{15} & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{15}i}{45} & 0 & 0 \end{pmatrix} $
59	$\mathbb{T}_{3,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{3i}{35} \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0$
60	$\mathbb{T}_{3,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{6}i}{35} & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{3}i}{35} \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
61	$\mathbb{T}_{3,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{3\sqrt{10}i}{175} & 0 & 0\\ 0 & 0 & 0 & -\frac{2\sqrt{30}i}{175} & 0\\ 0 & 0 & 0 & 0 & \frac{\sqrt{15}i}{175} \end{pmatrix}$
62	$\mathbb{T}_{3,0}^{(a)}$	$\begin{pmatrix} 0 & -\frac{3\sqrt{5}i}{175} & 0 & 0 & 0 \\ 0 & 0 & \frac{3\sqrt{15}i}{175} & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{5}i}{175} & 0 \end{pmatrix}$
63	$\mathbb{T}_{3,-1}^{(a)}$	$ \begin{pmatrix} \frac{\sqrt{15}i}{175} & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{30}i}{175} & 0 & 0 & 0 \\ 0 & 0 & \frac{3\sqrt{10}i}{175} & 0 & 0 \end{pmatrix} $
64	$\mathbb{T}_{3,-2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{3}i}{35} & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{6}i}{35} & 0 & 0 & 0 \end{pmatrix}$
65	$\mathbb{T}_{3,-3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ \frac{3i}{35} & 0 & 0 & 0 & 0 \end{pmatrix}$

bra:
$$[(1,1),(1,0),(1,-1)]$$

ket: $[(3,3),(3,2),(3,1),(3,0),(3,-1),(3,-2),(3,-3)]$

no.	type	basis
66	$\mathbb{G}_{2,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & \frac{2\sqrt{30}i}{45} & 0 \\ 0 & 0 & 0 & 0 & \frac{4\sqrt{15}i}{45} \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
67	$\mathbb{G}_{2,1}^{(a)}$	$ \begin{pmatrix} 0 & 0 & -\frac{2\sqrt{5}i}{15} & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{15}i}{45} & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{30}i}{45} \end{pmatrix} $
68	$\mathbb{G}_{2,0}^{(a)}$	$\begin{pmatrix} 0 & \frac{2\sqrt{5}i}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 &$
69	$\mathbb{G}_{2,-1}^{(a)}$	$ \begin{pmatrix} -\frac{2\sqrt{30}i}{45} & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{15}i}{45} & 0 & 0 & 0 \\ 0 & 0 & \frac{2\sqrt{5}i}{15} & 0 & 0 \end{pmatrix} $
70	$\mathbb{G}_{2,-2}^{(a)}$	$ \begin{pmatrix} 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{15}i}{45} & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{30}i}{45} & 0 & 0 & 0 \end{pmatrix} $

no.	type					basis			
		0	0	0	0	$\frac{\sqrt{21}}{35}$	0	0	
71	$\mathbb{Q}_{2,2}^{(a)}$	0	0	0	0	0	$\frac{\sqrt{105}}{35}$	0	
		0	0	0	0	0	0	$\frac{3\sqrt{35}}{35}$	

no.	type	basis
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
72	$\mathbb{Q}_{2,1}^{(a)}$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
		$ \begin{bmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{35} & 0 \end{bmatrix} $
		$\left(0 0 \frac{3\sqrt{14}}{35} 0 0 0 0\right)$
73	$\mathbb{Q}_{2,0}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & \frac{3\sqrt{21}}{35} & 0 & 0 & 0 \end{bmatrix}$
		$\begin{bmatrix} 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{35} & 0 & 0 \end{bmatrix}$
		$\left(0 - \frac{\sqrt{210}}{35} 0 0 0 0 0\right)$
74	$\mathbb{Q}_{2,-1}^{(a)}$	$0 \qquad 0 \qquad -\frac{2\sqrt{42}}{35} \qquad 0 \qquad 0 0 0$
		$\begin{pmatrix} \frac{3\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
75	$\mathbb{Q}_{2,-2}^{(a)}$	$0 \frac{\sqrt{105}}{35} 0 0 0 0 0$
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
76	$\mathbb{Q}_{4,4}^{(a)}$	0 0 0 0 0 0 0
		0 0 0 0 0 0 0
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
77	$\mathbb{Q}_{4,3}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{9} \end{bmatrix}$
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
78	$\mathbb{Q}_{4,2}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}}{21} & 0 \end{bmatrix}$
		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
		$\left(\begin{array}{ccccc} 0 & 0 & 0 & \frac{\sqrt{210}}{63} & 0 & 0 & 0 \end{array}\right)$
79	$\mathbb{Q}_{4,1}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{21} & 0 & 0 \end{bmatrix}$
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{21} & 0 \end{pmatrix}$

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no.	type	basis
80	$\mathbb{Q}_{4,0}^{(a)}$	$ \begin{pmatrix} 0 & 0 & -\frac{\sqrt{14}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{21}}{63} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{21} & 0 & 0 \end{pmatrix} $
81	$\mathbb{Q}_{4,-1}^{(a)}$	$ \begin{pmatrix} 0 & \frac{\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{210}}{63} & 0 & 0 & 0 \end{pmatrix} $
82	$\mathbb{Q}_{4,-2}^{(a)}$	$\begin{pmatrix} -\frac{\sqrt{21}}{63} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 \end{pmatrix}$
83	$\mathbb{Q}_{4,-3}^{(a)}$	$ \begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{3}}{9} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{1}{3} & 0 & 0 & 0 & 0 & 0 \end{pmatrix} $
84	$\mathbb{Q}_{4,-4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 &$
85	$\mathbb{M}_{3,3}^{(a)}$	$ \begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{21}}{14} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix} $
86	$\mathbb{M}_{3,2}^{(a)}$	$ \begin{pmatrix} 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{14} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}}{14} \end{pmatrix} $
87	$\mathbb{M}_{3,1}^{(a)}$	$ \begin{pmatrix} 0 & 0 & 0 & -\frac{3\sqrt{14}}{14} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{14} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{14} & 0 \end{pmatrix} $

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no.	type	basis
88	$\mathbb{M}_{3,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{3\sqrt{14}}{14} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0$
89	$\mathbb{M}_{3,-1}^{(a)}$	$ \begin{pmatrix} 0 & -\frac{\sqrt{105}}{14} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{21}}{14} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{14}}{14} & 0 & 0 & 0 \end{pmatrix} $
90	$\mathbb{M}_{3,-2}^{(a)}$	$ \begin{pmatrix} \frac{3\sqrt{7}}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{21}}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{105}}{14} & 0 & 0 & 0 & 0 \end{pmatrix} $
91	$\mathbb{M}_{3,-3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{21}}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{7}}{14} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
92	$\mathbb{T}_{2,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{42} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{42} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}i}{14} \end{pmatrix}$
93	$\mathbb{T}_{2,1}^{(a)}$	$ \begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{7}i}{14} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{42}i}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{42} & 0 \end{pmatrix} $
94	$\mathbb{T}_{2,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{\sqrt{14}i}{14} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{21}i}{14} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{14}i}{14} & 0 & 0 \end{pmatrix}$
95	$\mathbb{T}_{2,-1}^{(a)}$	$ \begin{pmatrix} 0 & -\frac{\sqrt{210}i}{42} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{42}i}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{7}i}{14} & 0 & 0 & 0 \end{pmatrix} $

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no.	type	basis
96	$\mathbb{T}_{2,-2}^{(a)}$	$\begin{pmatrix} \frac{\sqrt{35}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{105}i}{42} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{21}i}{42} & 0 & 0 & 0 & 0 \end{pmatrix}$
97	$\mathbb{T}_{4,4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{3}i}{27} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0$
98	$\mathbb{T}_{4,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{i}{9} & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{27} \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
99	$\mathbb{T}_{4,2}^{(a)}$	$ \begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{63} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{63} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}i}{189} \end{pmatrix} $
100	$\mathbb{T}_{4,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{210}i}{189} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{63} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{63} & 0 \end{pmatrix}$
101	$\mathbb{T}_{4,0}^{(a)}$	$ \begin{pmatrix} 0 & 0 & -\frac{\sqrt{14}i}{63} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{21}i}{189} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{14}i}{63} & 0 & 0 \end{pmatrix} $
102	$\mathbb{T}_{4,-1}^{(a)}$	$\begin{pmatrix} 0 & \frac{\sqrt{7}i}{63} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{35}i}{63} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{210}i}{189} & 0 & 0 & 0 \end{pmatrix}$
103	$\mathbb{T}_{4,-2}^{(a)}$	$ \begin{pmatrix} -\frac{\sqrt{21}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{7}i}{63} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{35}i}{63} & 0 & 0 & 0 & 0 \end{pmatrix} $

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no.	type	basis
104	$\mathbb{T}_{4,-3}^{(a)}$	$\left(egin{array}{cccccccccccccccccccccccccccccccccccc$
105	$\mathbb{T}_{4,-4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 &$
106	$\mathbb{G}_{3,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}i}{28} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{21}i}{28} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
107	$\mathbb{G}_{3,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{28} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}i}{28} \end{pmatrix}$
108	$\mathbb{G}_{3,1}^{(a)}$	$ \begin{pmatrix} 0 & 0 & 0 & -\frac{3\sqrt{14}i}{28} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{21}i}{28} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{28} & 0 \end{pmatrix} $
109	$\mathbb{G}_{3,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{3\sqrt{14}i}{28} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0$
110	$\mathbb{G}_{3,-1}^{(a)}$	$ \begin{pmatrix} 0 & -\frac{\sqrt{105}i}{28} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{21}i}{28} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{14}i}{28} & 0 & 0 & 0 \end{pmatrix} $
111	$\mathbb{G}_{3,-2}^{(a)}$	$ \begin{pmatrix} \frac{3\sqrt{7}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{21}i}{14} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{105}i}{28} & 0 & 0 & 0 & 0 \end{pmatrix} $

bra: [(2,2),(2,1),(2,0),(2,-1),(2,-2)]ket: [(2,2),(2,1),(2,0),(2,-1),(2,-2)]

表 7 ———

no.	type		ŀ	asis	3			
		0	0	0	0	0	0	0
112	$\mathbb{G}_{3,-3}^{(a)}$	$\frac{3\sqrt{21}i}{28}$	0	0	0	0	0	0
		0	$\frac{3\sqrt{7}i}{28}$	0	0	0	0	0

no.	type	basis
113	$\mathbb{Q}_0^{(a)}$	$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 1 \end{pmatrix}$
114	$\mathbb{Q}_{2,2}^{(a)}$	$ \begin{pmatrix} 0 & 0 & -\frac{2}{7} & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{6}}{7} & 0 \\ 0 & 0 & 0 & 0 & -\frac{2}{7} \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix} $
115	$\mathbb{Q}_{2,1}^{(a)}$	$\begin{pmatrix} 0 & \frac{\sqrt{6}}{7} & 0 & 0 & 0 \\ 0 & 0 & \frac{1}{7} & 0 & 0 \\ 0 & 0 & 0 & -\frac{1}{7} & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{7} \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

表 8

no.	type	basis
		$\left(-\frac{2}{7} 0 0 0 0 \right)$
		$0 \frac{1}{7} 0 0 0$
116	$\mathbb{Q}_{2,0}^{(a)}$	$0 0 \frac{2}{7} 0 0$
		$0 0 0 \frac{1}{7} 0$
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
		$\left(\begin{array}{cccccc} 0 & 0 & 0 & 0 & 0 \end{array}\right)$
		$-\frac{\sqrt{6}}{7}$ 0 0 0 0
117	$\mathbb{Q}_{2,-1}^{(a)}$	$0 -\frac{1}{7} 0 0 0$
		$0 \qquad 0 \qquad \frac{1}{7} 0 \qquad 0$
		$0 0 0 \frac{\sqrt{6}}{7} 0$
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
		0 0 0 0 0
118	$\mathbb{Q}_{2,-2}^{(a)}$	$-\frac{2}{7}$ 0 0 0 0
		$0 -\frac{\sqrt{6}}{7} 0 0 0$
		$\left(\begin{array}{cccc} 0 & 0 & -\frac{2}{7} & 0 & 0 \end{array}\right)$
		$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{21} \end{pmatrix}$
		0 0 0 0 0
119	$\mathbb{Q}_{4,4}^{(a)}$	0 0 0 0 0
		0 0 0 0 0
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$

no.	type	basis
120	$\mathbb{Q}_{4,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{35}}{21} & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{21} \\ 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0$
		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
121	$\mathbb{Q}_{4,2}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & -\frac{2\sqrt{10}}{21} & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{15}}{21} \\ 0 & 0 & 0 & 0 & 0 \end{bmatrix}$
122	$\mathbb{Q}_{4,1}^{(a)}$	$ \begin{pmatrix} 0 & -\frac{\sqrt{5}}{21} & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{30}}{21} & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{30}}{21} & 0 \end{pmatrix} $
		$ \begin{pmatrix} 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{21} \\ 0 & 0 & 0 & 0 & 0 \end{pmatrix} $
		$\begin{pmatrix} \frac{1}{21} & 0 & 0 & 0 & 0 \\ 0 & 4 & 0 & 0 & 0 \end{pmatrix}$
123	$\mathbb{Q}_{4,0}^{(a)}$	$\begin{bmatrix} 0 & -\frac{4}{21} & 0 & 0 & 0 \\ 0 & 0 & \frac{2}{7} & 0 & 0 \end{bmatrix}$
		$\begin{bmatrix} 0 & 0 & 0 & -\frac{4}{21} & 0 \end{bmatrix}$
		$\left(\begin{array}{ccccc} 0 & 0 & 0 & 0 & \frac{1}{21} \end{array}\right)$

no.	type	basis
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
		$\left \begin{array}{cccc} \frac{\sqrt{5}}{21} & 0 & 0 & 0 & 0 \end{array} \right $
124	$\mathbb{Q}_{4,-1}^{(a)}$	$0 - \frac{\sqrt{30}}{21} 0 0 0$
		$0 \qquad 0 \qquad \frac{\sqrt{30}}{21} \qquad 0 \qquad 0$
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
		0 0 0 0 0
125	$\mathbb{Q}_{4,-2}^{(a)}$	$\frac{\sqrt{15}}{21}$ 0 0 0 0
		$0 -\frac{2\sqrt{10}}{21} 0 0 0$
		$\left(\begin{array}{cccc} 0 & 0 & \frac{\sqrt{15}}{21} & 0 & 0 \end{array}\right)$
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
		0 0 0 0 0
126	$\mathbb{Q}_{4,-3}^{(a)}$	0 0 0 0 0
		$\left \begin{array}{cccc} \frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 \end{array} \right $
		$\left(\begin{array}{ccccc} 0 & -\frac{\sqrt{35}}{21} & 0 & 0 & 0 \end{array}\right)$
		0 0 0 0 0
		0 0 0 0 0
127	$\mathbb{Q}_{4,-4}^{(a)}$	0 0 0 0 0
		0 0 0 0 0
		$\left(\begin{array}{ccccc} \frac{\sqrt{70}}{21} & 0 & 0 & 0 & 0 \end{array}\right)$

no.	type	basis
		$0 - \sqrt{2} = 0 = 0 = 0$
		$\begin{bmatrix} 0 & 0 & -\sqrt{3} & 0 & 0 \end{bmatrix}$
128	$\mathbb{M}_{1,1}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & -\sqrt{3} & 0 \end{bmatrix}$
		$\begin{bmatrix} 0 & 0 & 0 & 0 & -\sqrt{2} \end{bmatrix}$
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 \end{bmatrix}$
		$\begin{pmatrix} 2 & 0 & 0 & 0 & 0 \end{pmatrix}$
		0 1 0 0 0
129	$\mathbb{M}_{1,0}^{(a)}$	0 0 0 0 0
		0 0 0 -1 0
		$0 \ 0 \ 0 \ 0 \ -2$
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
	()	$\begin{array}{ c cccccccccccccccccccccccccccccccccc$
130	$\mathbb{M}_{1,-1}^{(a)}$	$\begin{bmatrix} 0 & \sqrt{3} & 0 & 0 & 0 \end{bmatrix}$
		$\begin{bmatrix} 0 & 0 & \sqrt{3} & 0 & 0 \end{bmatrix}$
		$\begin{pmatrix} 0 & 0 & 0 & \sqrt{2} & 0 \end{pmatrix}$
		$\begin{pmatrix} 0 & 0 & 0 & \frac{3\sqrt{5}}{7} & 0 \\ & & & & \end{pmatrix}$
	(a)	$\begin{bmatrix} 0 & 0 & 0 & 0 & \frac{3\sqrt{5}}{7} \end{bmatrix}$
131	$\mathbb{M}_{3,3}^{(a)}$	0 0 0 0 0
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

表 8

no.	type		basi	S	
		0	$0 -\frac{3\sqrt{5}}{7}$	0 ()
		0	0 0	0 (
132	$\mathbb{M}_{3,2}^{(a)}$	0	0 0	$0 = \frac{3\sqrt{7}}{7}$	<u>/5</u>
		0	0 0	0 (
		(0	0 0	0 ()
		$\int_{0}^{\infty} 0^{-\frac{3\sqrt{3}}{7}}$	0	0	0
		0 0	$-\frac{3\sqrt{2}}{7}$	0	0
133	$\mathbb{M}_{3,1}^{(a)}$	0 0	0	$-\frac{3\sqrt{2}}{7}$	0
		0 0	0	0	$\frac{3\sqrt{3}}{7}$
		0 0	0	0	0)
			$\frac{3}{7}$ 0 0	0 ()
		0	$\frac{6}{7}$ 0	0 ()
134	$\mathbb{M}_{3,0}^{(a)}$	0	0 0	0 ()
		0	0 0	$-\frac{6}{7}$ (
		(0	0 0	$0 = \frac{3}{7}$	1
		0	0 (0	0
	()	$-\frac{3\sqrt{3}}{7}$	0 (0	0
135	$\mathbb{M}_{3,-1}^{(a)}$	0	$\frac{3\sqrt{2}}{7}$ (0
		0	$0 = \frac{3\sqrt{7}}{7}$		0
		0	0 ($-\frac{3}{2}$	$\begin{pmatrix} \frac{\sqrt{3}}{7} & 0 \end{pmatrix}$

no.	type	basis
		0 0 0 0 0
136	$\mathbb{M}_{3,-2}^{(a)}$	$\begin{bmatrix} -\frac{3\sqrt{5}}{7} & 0 & 0 & 0 & 0 \end{bmatrix}$
		0 0 0 0 0
		$\left(\begin{array}{cccc} 0 & 0 & \frac{3\sqrt{5}}{7} & 0 & 0 \end{array} \right)$
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
		0 0 0 0 0
137	$\mathbb{M}_{3,-3}^{(a)}$	0 0 0 0 0
		$-\frac{3\sqrt{5}}{7}$ 0 0 0 0
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$

bra: [(2,2),(2,1),(2,0),(2,-1),(2,-2)]ket: [(3,3),(3,2),(3,1),(3,0),(3,-1),(3,-2),(3,-3)]

no.	type			ba	asis		
		0 0	$-\frac{\sqrt{35}}{35}$	0	0	0	0
		0 0	0	$-\tfrac{\sqrt{105}}{35}$	0	0	0
138	$\mathbb{Q}_{1,1}^{(a)}$	0 0	0	0	$-\tfrac{\sqrt{210}}{35}$	0	0
		0 0	0	0	0	$-\frac{\sqrt{14}}{7}$	0
		$\begin{pmatrix} 0 & 0 \end{pmatrix}$	0	0	0	0	$-\frac{\sqrt{21}}{7}$

表 9

no.	type	basis
		$\left(0 \frac{\sqrt{7}}{7} 0 0 0 0 0\right)$
		$\begin{bmatrix} 0 & 0 & \frac{2\sqrt{70}}{35} & 0 & 0 & 0 & 0 \end{bmatrix}$
139	$\mathbb{Q}_{1,0}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & \frac{3\sqrt{35}}{35} & 0 & 0 & 0 \end{bmatrix}$
		$\begin{bmatrix} 0 & 0 & 0 & 0 & \frac{2\sqrt{70}}{35} & 0 & 0 \end{bmatrix}$
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{7} & 0 \end{pmatrix}$
		$\left(-\frac{\sqrt{21}}{7} 0 0 0 0 0 0 \right)$
		$0 -\frac{\sqrt{14}}{7} 0 0 0 0 0$
140	$\mathbb{Q}_{1,-1}^{(a)}$	$0 0 -\frac{\sqrt{210}}{35} 0 0 0 0$
		$0 0 0 -\frac{\sqrt{105}}{35} 0 0 0$
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
		$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{21} & 0 & 0 \end{pmatrix}$
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{21} & 0 \end{bmatrix}$
141	$\mathbb{Q}_{3,3}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{21} \end{bmatrix}$
		0 0 0 0 0 0 0
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
142		$\begin{bmatrix} 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{21} & 0 & 0 \end{bmatrix}$
	$\mathbb{Q}_{3,2}^{(a)}$	0 0 0 0 0 0 0
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{21} \end{bmatrix}$

表 9

no.	type				b	asis			
		0	0 2	$\frac{\sqrt{210}}{105}$	0	0	0	0	
		0	0	0	$\frac{\sqrt{70}}{105}$	0	0	0	
143	$\mathbb{Q}_{3,1}^{(a)}$	0	0	0	0	$-\frac{\sqrt{35}}{35}$	0	0	
		0	0	0	0	0	$-\frac{\sqrt{21}}{21}$	0	
		\bigcup_{0}	0	0	0	0	0	$\frac{\sqrt{14}}{21}$	
		0	$-\frac{2\sqrt{2}}{2}$	<u>/7</u>	0	0 (0	0	
		0	0	<u> </u>	$\frac{\sqrt{70}}{105}$	0 (0	0	
144	$\mathbb{Q}_{3,0}^{(a)}$	0	0		0 4	$\frac{\sqrt{35}}{105}$ (0	0	
		0	0		0	$0 \frac{}{10}$	$\frac{70}{05}$ 0	0	
		$\sqrt{0}$	0		0	0 ($-\frac{2v}{2}$	$\begin{pmatrix} \sqrt{7} & 0 \end{pmatrix}$	
		$\sqrt{\frac{\sqrt{14}}{21}}$	<u>ī</u>	0	0	0	0	0 0	
		0	_	$\frac{\sqrt{21}}{21}$	0	0	0	0 0	
145	$\mathbb{Q}_{3,-1}^{(a)}$	0		0	$-\frac{\sqrt{35}}{35}$	<u>5</u> 0	0	0 0	
		0		0	0	$\frac{\sqrt{70}}{105}$	0	0 0	
		0		0	0	0	$\frac{2\sqrt{210}}{105}$	0 0	
		(0	0	0	0	0 0	0	
			$\frac{\sqrt{35}}{21}$	0	0	0	0 0	0	
146	$\mathbb{Q}_{3,-2}^{(a)}$		0	0	0	0	0 0	0	
			0	0	$-\frac{\sqrt{21}}{21}$	0	0 0	0	
			0	0	0	$-\frac{2\sqrt{7}}{21}$	0 0	0)	

no.	type	basis
147	$\mathbb{Q}_{3,-3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 &$
148	$\mathbb{Q}_{5,5}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{6}}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0$
149	$\mathbb{Q}_{5,4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}}{11} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0$
150	$\mathbb{Q}_{5,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{5\sqrt{2}}{33} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}}{33} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0$

表 9

no.	type	basis	
		$\left(0\ 0\ 0\ \frac{5}{33}\ 0\ 0\ 0\ \right)$	
		$\begin{bmatrix} 0 & 0 & 0 & 0 & -\frac{5\sqrt{3}}{33} & 0 & 0 \end{bmatrix}$	
151	$\mathbb{Q}_{5,2}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{11} & 0 \end{bmatrix}$	
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{33} \end{bmatrix}$	
		$\left(0 0 -\frac{5\sqrt{21}}{231} 0 0 0 0 \right)$	
		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
152	$\mathbb{Q}_{5,1}^{(a)}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
			$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{210}}{231} & 0 \end{bmatrix}$
		$0 0 0 0 0 -\frac{\sqrt{35}}{231}$	
		$\left(0 \frac{5\sqrt{7}}{231} 0 0 0 0 0\right)$	
		$ \begin{bmatrix} 0 & 0 & -\frac{5\sqrt{70}}{231} & 0 & 0 & 0 & 0 \end{bmatrix} $	
153	$\mathbb{Q}_{5,0}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & \frac{10\sqrt{35}}{231} & 0 & 0 & 0 \end{bmatrix}$	
		$\begin{bmatrix} 0 & 0 & 0 & 0 & -\frac{5\sqrt{70}}{231} & 0 & 0 \end{bmatrix}$	
		$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{5\sqrt{7}}{231} & 0 \end{pmatrix}$	
		$\left(-\frac{\sqrt{35}}{231} 0 0 0 0 0 0$	
154		$0 \frac{2\sqrt{210}}{231} 0 0 0 0 0$	
	$\mathbb{Q}_{5,-1}^{(a)}$	$0 0 -\frac{5\sqrt{14}}{77} 0 0 0 0$	
		$0 0 0 \frac{20\sqrt{7}}{231} 0 0 0$	
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$	

表 9

no.	type	basis
		$\begin{bmatrix} -\frac{\sqrt{5}}{33} & 0 & 0 & 0 & 0 & 0 & 0 \end{bmatrix}$
155	$\mathbb{Q}_{5,-2}^{(a)}$	$0 \frac{\sqrt{5}}{11} 0 0 0 0 0$
		$0 \qquad 0 \qquad -\frac{5\sqrt{3}}{33} \qquad 0 \qquad 0 0 0$
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
		0 0 0 0 0 0 0
156	$\mathbb{Q}_{5,-3}^{(a)}$	$\begin{bmatrix} -\frac{2\sqrt{5}}{33} & 0 & 0 & 0 & 0 & 0 & 0 \end{bmatrix}$
		$0 \frac{4\sqrt{5}}{33} 0 0 0 0 0$
-		$\begin{pmatrix} 0 & 0 & -\frac{5\sqrt{2}}{33} & 0 & 0 & 0 & 0 \end{pmatrix}$
	$\mathbb{Q}_{5,-4}^{(a)}$	$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
		0 0 0 0 0 0 0
157		0 0 0 0 0 0 0
		$-\frac{2\sqrt{15}}{33}$ 0 0 0 0 0 0
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
158	$\mathbb{Q}_{5,-5}^{(a)}$	0 0 0 0 0 0 0
		0 0 0 0 0 0 0
		0 0 0 0 0 0 0
		$\left(-\frac{5\sqrt{6}}{33} 0 0 0 0 0 0 \right)$

no.	type	basis	
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$	
		$\begin{bmatrix} 0 & 0 & 0 & 0 & \frac{4\sqrt{105}}{35} & 0 & 0 \end{bmatrix}$	
159	$\mathbb{M}_{2,2}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}}{7} & 0 \end{bmatrix}$	
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}}{7} \end{bmatrix}$	
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$	
		$\begin{pmatrix} 0 & 0 & -\frac{4\sqrt{105}}{35} & 0 & 0 & 0 & 0 \end{pmatrix}$	
		0 0	$\begin{bmatrix} 0 & 0 & 0 & -\frac{8\sqrt{35}}{35} & 0 & 0 & 0 \end{bmatrix}$
160	$\mathbb{M}_{2,1}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & 0 & -\frac{4\sqrt{70}}{35} & 0 & 0 \end{bmatrix}$	
		0 0 0 0 0 0 0	
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}}{7} \end{bmatrix}$	
		$\left(0 \frac{4\sqrt{7}}{7} 0 0 0 0 0\right)$	
		$\begin{bmatrix} 0 & 0 & \frac{4\sqrt{70}}{35} & 0 & 0 & 0 & 0 \end{bmatrix}$	
161	$\mathbb{M}_{2,0}^{(a)}$	0 0 0 0 0 0 0	
		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
		$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{4\sqrt{7}}{7} & 0 \end{pmatrix}$	
		$\left(-\frac{4\sqrt{7}}{7} 0 0 0 0 0 0\right)$	
162		0 0 0 0 0 0 0	
	$\mathbb{M}_{2,-1}^{(a)}$	$0 0 \frac{4\sqrt{70}}{35} 0 0 0 0$	
		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
		$\left(\begin{array}{cccccc} 0 & 0 & 0 & 0 & \frac{4\sqrt{105}}{35} & 0 & 0 \end{array}\right)$	

表 9

no.	type	basis	
		$\begin{bmatrix} -\frac{4\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 \end{bmatrix}$	
163	$\mathbb{M}_{2,-2}^{(a)}$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
		$0 \qquad 0 \qquad -\frac{4\sqrt{105}}{35} \qquad 0 \qquad 0 0 0$	
		$\begin{pmatrix} 0 & 0 & 0 & -\frac{4\sqrt{35}}{35} & 0 & 0 & 0 \end{pmatrix}$	
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$	
		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
164	$\mathbb{M}_{4,4}^{(a)}$	0 0 0 0 0 0 0	
		0 0 0 0 0 0 0	
		0 0 0 0 0 0 0	_
		$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{2\sqrt{2}}{3} & 0 & 0 & 0 \end{pmatrix}$	
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{15} & 0 \end{bmatrix}$	
165	$\mathbb{M}_{4,3}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{5} \end{bmatrix}$	
		0 0 0 0 0 0 0	
		(0 0 0 0 0 0 0 0)	_
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$	
		$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
166	$\mathbb{M}_{4,2}^{(a)}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{105}}{35} \end{bmatrix}$	
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \end{pmatrix}$	

no.	type	basis	_								
		$\left(0 \ 0 \ \frac{4\sqrt{14}}{21} \ 0 \ 0 \ 0 \ 0 \right)$									
		$\begin{array}{cccccccccccccccccccccccccccccccccccc$									
167	$\mathbb{M}_{4,1}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}}{21} & 0 & 0 \end{bmatrix}$									
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{35}}{15} & 0 \end{bmatrix}$									
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}}{105} \end{pmatrix}$									
		$\left(0 -\frac{4\sqrt{7}}{21} 0 0 0 0 0\right)$									
		$0 0 \frac{2\sqrt{70}}{21} 0 0 0 0$									
168	$\mathbb{M}_{4,0}^{(a)}$	0 0 0 0 0 0 0									
		$\begin{bmatrix} 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}}{21} & 0 & 0 \end{bmatrix}$									
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$									
	$\mathbb{M}_{4,-1}^{(a)}$			$\begin{pmatrix} \frac{2\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$							
169		$0 0 \frac{2\sqrt{21}}{21} 0 0 0 0$									
					0	$0 0 0 \frac{2\sqrt{42}}{21} 0 0 0$					
		$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{4\sqrt{14}}{21} & 0 & 0 \end{pmatrix}$									
170 N		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$									
		$\frac{2\sqrt{105}}{35}$ 0 0 0 0 0 0 0									
	$\mathbb{M}_{4,-2}^{(a)}$	$0 \qquad -\frac{8\sqrt{105}}{105} \qquad 0 \qquad \qquad 0 \qquad 0 \qquad 0$									
		$0 0 -\frac{2\sqrt{7}}{21} 0 0 0 0$									
		$0 0 0 \frac{4\sqrt{21}}{21} 0 0 0$									

表 9

no.	type				basis			
			0	0	0	0 0	0 0	
171			0	0	0	0 0	0 0	
	$\mathbb{M}_{4,-3}^{(a)}$		$\frac{2\sqrt{5}}{5}$	0	0	0 0	0 0	
			0	$-\frac{2\sqrt{5}}{15}$	0	0 0	0 0	
			0	0	$-\frac{2\sqrt{2}}{3}$	0 0	0 0	
			0	0	0 0	0 0	0 0	
			0	0	0 0	0 0	0	
172	$\mathbb{M}_{4,-4}^{(a)}$		0	0	0 0	0 0	0	
			$\frac{4\sqrt{1}}{15}$	<u>5</u> 0	0 0	0 0	0	
			0	$\frac{4\sqrt{10}}{15}$	0 0	0 0	0	
		0 0	$-\frac{\sqrt{35}i}{35}$	0	()	0	0
		0 0	0	$-\frac{\sqrt{105}}{35}$	<u>ii</u> ()	0	0
173	$\mathbb{T}_{1,1}^{(a)}$	0 0	0	0		$\frac{210i}{35}$	0	0
		0 0	0	0	() -	$-\frac{\sqrt{14}i}{7}$	0
		$\begin{bmatrix} 0 & 0 \end{bmatrix}$	0	0	()	0	$-\frac{\sqrt{21}i}{7}$
		0	$\frac{\sqrt{7}i}{7}$	0	0	0	0	0
174		0	0	$\frac{2\sqrt{70}i}{35}$	0	0	0	0
	$\mathbb{T}_{1,0}^{(a)}$	0	0	0	$\frac{3\sqrt{35}i}{35}$	0	0	0
		0	0	0	0	$\frac{2\sqrt{70}i}{35}$	0	0
		0	0	0	0	0	$\frac{\sqrt{7}i}{7}$	0)

表 9

no.	type				basis		
		$\left(-\frac{\sqrt{21}}{7}\right)$	0	0	0	0	0 0
		0	$-\frac{\sqrt{14}}{7}$	$\overline{\underline{4}}i$ 0	0	0	0 0
175	$\mathbb{T}_{1,-1}^{(a)}$	0	0	$-\frac{\sqrt{2}}{3}$	$\frac{\overline{10}i}{5}$ 0	0	0 0
		0	0	0	$-\frac{\sqrt{10}}{35}$	$\overline{5}i$ 0	0 0
		0	0	0	0	$-\frac{\sqrt{35}}{35}$	$\begin{bmatrix} i \\ 0 \end{bmatrix}$
			$\int_{0}^{\infty} 0$	0 0	$\frac{\sqrt{14}i}{70} \qquad 0$	0	
			0 0	0 0	$0 \frac{\sqrt{3}}{70}$	$\frac{\overline{5}i}{0}$ 0	
176	$\mathbb{T}_{3,3}^{(a)}$		0 0	0 0	0 0	$\frac{\sqrt{35}i}{70}$	
			0 0	0 0	0 0	0	
			0 0	0 0	0 0	0	
			0 0	$0 - \frac{\sqrt{5}}{35}$	$\frac{7i}{5}$ 0	0 0	
			0 0	0 0	$-\frac{\sqrt{21}i}{70}$	0 0	
177	$\mathbb{T}_{3,2}^{(a)}$		0 0	0 0	0	0 0	
			0 0	0 0	0	$0 \frac{\sqrt{35}i}{70}$	<u>i</u>
			0 0	0 0	0	0 0	
		\int_{0}^{∞}	$0 - \frac{\sqrt{210}}{175}$	$\frac{\overline{0}i}{5}$ 0	0	0	0
		0	0 0	$\frac{\sqrt{70}i}{350}$	0	0	0
178	$\mathbb{T}_{3,1}^{(a)}$	0	0 0	0	$-\frac{3\sqrt{35}i}{350}$	0	0
		0	0 0	0	0	$-\frac{\sqrt{21}i}{70}$	0
		0	0 0	0	0	0	$\frac{\sqrt{14}i}{70}$

表 9

no.	type	basis
		$\left(0 - \frac{\sqrt{7}i}{35} 0 0 0 0 0\right)$
		$0 0 \frac{\sqrt{70}i}{350} 0 0 0 0$
179	$\mathbb{T}_{3,0}^{(a)}$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
		$\begin{bmatrix} 0 & 0 & 0 & 0 & \frac{\sqrt{70}i}{350} & 0 & 0 \end{bmatrix}$
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{35} & 0 \end{bmatrix}$
		$\left(\frac{\sqrt{14}i}{70} 0 0 0 0 0 0\right)$
		$0 -\frac{\sqrt{21}i}{70} 0 0 0 0 0$
180	$\mathbb{T}_{3,-1}^{(a)}$	$0 \qquad 0 \qquad -\frac{3\sqrt{35}i}{350} \qquad 0 \qquad 0 \qquad 0 \qquad 0$
		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
		$\begin{bmatrix} 0 & 0 & 0 & 0 & \frac{\sqrt{210}i}{175} & 0 & 0 \end{bmatrix}$
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
		$\frac{\sqrt{35}i}{70}$ 0 0 0 0 0 0
181	$\mathbb{T}_{3,-2}^{(a)}$	0 0 0 0 0 0 0
		$0 0 -\frac{\sqrt{21}i}{70} 0 0 0 0$
		$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{7}i}{35} & 0 & 0 & 0 \end{pmatrix}$
		0 0 0 0 0 0 0
182	$\mathbb{T}_{3,-3}^{(a)}$	$\begin{bmatrix} \frac{\sqrt{35}i}{70} & 0 & 0 & 0 & 0 & 0 \end{bmatrix}$
		$0 \frac{\sqrt{35}i}{70} 0 0 0 0$
		$\left(\begin{array}{ccccccc} 0 & 0 & \frac{\sqrt{14}i}{70} & 0 & 0 & 0 & 0 \end{array}\right)$

no.	type	basis
183	$\mathbb{T}_{5,5}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{6}i}{231} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0$
184	$\mathbb{T}_{5,4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}i}{77} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{231} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0$
185	$\mathbb{T}_{5,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{5\sqrt{2}i}{231} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}i}{231} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}i}{231} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0$
186	$\mathbb{T}_{5,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & \frac{5i}{231} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{5\sqrt{3}i}{231} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{77} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}i}{231} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

表 9

no.	type	basis			
		$ \left(0 0 -\frac{5\sqrt{21}i}{1617} 0 0 0 0 0 \right) $			
		$\begin{array}{cccccccccccccccccccccccccccccccccccc$			
187	$\mathbb{T}_{5,1}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & 0 & -\frac{5\sqrt{14}i}{539} & 0 & 0 \end{bmatrix}$			
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{210}i}{1617} & 0 \end{bmatrix}$			
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{1617} \end{pmatrix}$			
		$\left(0 \frac{5\sqrt{7}i}{1617} 0 0 0 0 0\right)$			
		$0 0 -\frac{5\sqrt{70}i}{1617} 0 0 0 0$			
188	$\mathbb{T}_{5,0}^{(a)}$	$0 0 0 \frac{10\sqrt{35}i}{1617} 0 0 0$			
					$\begin{bmatrix} 0 & 0 & 0 & 0 & -\frac{5\sqrt{70}i}{1617} & 0 & 0 \end{bmatrix}$
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$			
	$\mathbb{T}_{5,-1}^{(a)}$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\left(-\frac{\sqrt{35}i}{1617} 0 0 0 0 0 0\right)$		
			$\mathfrak{P}=\mathbb{T}_{5,-1}^{(a)}$ 0	$0 \qquad \frac{2\sqrt{210}i}{1617} \qquad 0 \qquad \qquad 0 \qquad \qquad 0 \qquad 0$	
189				$\mathbb{T}_{5,-1}^{(a)}$	$0 \qquad 0 \qquad -\frac{5\sqrt{14}i}{539} 0 \qquad 0 0 0$
				$0 0 0 \frac{20\sqrt{7}i}{1617} 0 0 0$	
		$\begin{bmatrix} 0 & 0 & 0 & 0 & -\frac{5\sqrt{21}i}{1617} & 0 & 0 \end{bmatrix}$			
190 T ₅		(0			
		$-\frac{\sqrt{5}i}{231}$ 0 0 0 0 0 0			
	$\mathbb{T}_{5,-2}^{(a)}$	$0 \mathbb{T}_{5,-2}^{(a)}$	$0 \frac{\sqrt{5}i}{77} 0 0 0 0 0$		
		$0 \qquad 0 \qquad -\frac{5\sqrt{3}i}{231} \qquad 0 \qquad 0 \qquad 0$			
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$			

表 9

no.	type	basis
191	$\mathbb{T}_{5,-3}^{(a)}$	$ \begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 &$
192	$\mathbb{T}_{5,-4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 &$
193	$\mathbb{T}_{5,-5}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 &$
194	$\mathbb{G}_{2,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & \frac{2\sqrt{35}i}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{105}i}{35} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

no.	type	basis
195	$\mathbb{G}_{2,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & -\frac{2\sqrt{105}i}{35} & 0 & 0 & 0 & 0 \end{pmatrix}$
		$\begin{bmatrix} 0 & 0 & 0 & -\frac{4\sqrt{35}i}{35} & 0 & 0 & 0 \end{bmatrix}$
		$\begin{bmatrix} 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}i}{35} & 0 & 0 \end{bmatrix}$
		0 0 0 0 0 0 0
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{7} \end{pmatrix}$
196	$\mathbb{G}_{2,0}^{(a)}$	$\left(0 \frac{2\sqrt{7}i}{7} 0 0 0 0 0\right)$
		$0 0 \frac{2\sqrt{70}i}{35} 0 0 0 0$
		0 0 0 0 0 0 0
		$0 0 0 0 -\frac{2\sqrt{70}i}{35} 0 0$
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}i}{7} & 0 \end{bmatrix}$
197	$\mathbb{G}_{2,-1}^{(a)}$	$\left(-\frac{2\sqrt{7}i}{7} \ 0 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0\right)$
		0 0 0 0 0 0 0
		$0 0 \frac{2\sqrt{70}i}{35} 0 0 0 0$
		$0 0 0 \frac{4\sqrt{35}i}{35} 0 0 0$
		$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{2\sqrt{105}i}{35} & 0 & 0 \end{pmatrix}$
198	$\mathbb{G}_{2,-2}^{(a)}$	$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
		$-\frac{2\sqrt{7}i}{7}$ 0 0 0 0 0 0 0
		$0 -\frac{2\sqrt{7}i}{7} 0 0 0 0 0$
		$0 \qquad 0 \qquad -\frac{2\sqrt{105}i}{35} \qquad 0 \qquad 0 0 0$
		$\begin{pmatrix} 0 & 0 & 0 & -\frac{2\sqrt{35}i}{35} & 0 & 0 & 0 \end{pmatrix}$

no.	type	basis						
199	$\mathbb{G}_{4,4}^{(a)}$		0 0	0 0	$0 - \frac{4}{7}$	$\frac{10i}{5}$ 0		
			0 0	0 0	0 0	$-\frac{4\sqrt{1}}{75}$	<u>5i</u>	
			0 0	0 0	0 0	0		
			0 0	0 0	0 0	0		
			0 0	0 0	0 0	0		
200	$\mathbb{G}_{4,3}^{(a)}$		$\int_{0}^{\infty} 0$	0 0	$\frac{2\sqrt{2}i}{15}$	0 0		
			0 0	0 0	$0 \frac{2}{}$	$\frac{2\sqrt{5}i}{75}$ 0		
			0 0	0 0	0	$0 - \frac{2\sqrt{3}}{25}$	<u>5i</u>	
			0 0	0 0	0	0 0		
			0 0	0 0	0	0 0		
201	$\mathbb{G}_{4,2}^{(a)}$	\int_{0}^{∞}	0 0	$-\frac{4\sqrt{21}i}{105}$	0	0	0	
		0	0 0	0	$\frac{2\sqrt{7}i}{105}$	0	0	
		0	0 0	0	0	$\frac{8\sqrt{105}i}{525}$	0	
		0	0 0	0	0	0 –	$\frac{2\sqrt{105}i}{175}$	
		0	0 0	0	0	0	0	
202	$\mathbb{G}_{4,1}^{(a)}$	0 0	$\frac{4\sqrt{14}i}{105}$	0	0	0	0	
		0 0	0	$-\frac{2\sqrt{4}}{105}$	$\frac{\overline{2}i}{5}$ 0	0	0	
		0 0	0	0	$-\frac{2\sqrt{2}}{108}$	$\frac{\overline{1}i}{5}$ 0	0	
		0 0	0	0	0	$\frac{2\sqrt{35}i}{75}$	0	
		0 0	0	0	0	0	$-\frac{2\sqrt{210}i}{525}$	

表 9

no.	type	basis
		$\left(0 -\frac{4\sqrt{7}i}{105} 0 0 0 0 0\right)$
		$0 \qquad 0 \qquad \frac{2\sqrt{70}i}{105} 0 \qquad 0 \qquad 0 \qquad 0$
203	$\mathbb{G}_{4,0}^{(a)}$	0 0 0 0 0 0 0
		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}i}{105} & 0 \end{bmatrix}$
		$\left(\frac{2\sqrt{210}i}{525} 0 0 0 0 0 0\right)$
		$0 -\frac{2\sqrt{35}i}{75} 0 0 0 0 0$
204	$\mathbb{G}_{4,-1}^{(a)}$	$0 0 \frac{2\sqrt{21}i}{105} 0 0 0 0$
		0 0 0 $\frac{2\sqrt{42}i}{105}$ 0 0 0
		$\begin{bmatrix} 0 & 0 & 0 & 0 & -\frac{4\sqrt{14}i}{105} & 0 & 0 \end{bmatrix}$
		$\frac{2\sqrt{105}i}{175}$ 0 0 0 0 0 0
205	$\mathbb{G}_{4,-2}^{(a)}$	$0 \qquad -\frac{8\sqrt{105}i}{525} \qquad 0 \qquad 0 \qquad 0 0 0$
		$0 \qquad 0 \qquad -\frac{2\sqrt{7}i}{105} \qquad 0 \qquad 0 0 0$
		$0 0 0 \frac{4\sqrt{21}i}{105} 0 0 0$
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
		0 0 0 0 0 0 0
206	$\mathbb{G}_{4,-3}^{(a)}$	$\frac{2\sqrt{5}i}{25}$ 0 0 0 0 0 0 0
		$0 -\frac{2\sqrt{5}i}{75} 0 0 0 0 0$
		$\begin{pmatrix} 0 & 0 & -\frac{2\sqrt{2}i}{15} & 0 & 0 & 0 & 0 \end{pmatrix}$

bra: [(3,3),(3,2),(3,1),(3,0),(3,-1),(3,-2),(3,-3)]ket: [(3,3),(3,2),(3,1),(3,0),(3,-1),(3,-2),(3,-3)]

表 9

no.	type		b	asis					
		0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	
207	$\mathbb{G}_{4,-4}^{(a)}$	0	0	0	0	0	0	0	
		$\frac{4\sqrt{15}i}{75}$	0	0	0	0	0	0	
-		0	$\frac{4\sqrt{10}i}{75}$	0	0	0	0	0	

no.	type			1	oasi	s			
		$\sqrt{1}$	0	0	0	0	0	0	
		0	1	0		0		0	
		0	0	1	0	0	0	0	
208	$\mathbb{Q}_0^{(a)}$	0	0	0	1	0	0	0	
		0	0	0	0	1	0	0	
		0	0	0	0	0	1	0	
		\int_{0}	0	0	0	0	0	1)	

表 10

no.	type				ŀ	oasis				
		0 0	_ <u>v</u>	$\frac{\sqrt{10}}{15}$	0	0		0	0	
		0 0	0) –	$-\frac{2\sqrt{5}}{15}$	0		0	0	
		0 0	0)	0	$-\frac{2v}{15}$	<u>6</u>	0	0	
209	$\mathbb{Q}_{2,2}^{(a)}$	0 0	0)	0	0	=	$-\frac{2\sqrt{5}}{15}$	0	
		0 0	0)	0	0		0	$-\frac{\sqrt{10}}{15}$	
		0 0	0)	0	0		0	0	
		0 0	0)	0	0		0	0)
		(0	$\frac{1}{3}$	0	0	0		0	0	
		C	0	$\frac{\sqrt{15}}{15}$	0	0		0	0	
		C	0	0	$\frac{\sqrt{2}}{15}$	0		0	0	
210	$\mathbb{Q}_{2,1}^{(a)}$	C	0	0	0	$-\frac{\sqrt{2}}{15}$		0	0	
		C	0	0	0	0	_	$\frac{\sqrt{15}}{15}$	0	
		C	0	0	0	0		0	$-\frac{1}{3}$	
		(0	0	0	0	0		0	0	
				$\frac{1}{3}$ 0	0	0 0	0	0		
			(0	0	0 0	0	0		
			(0	$\frac{1}{5}$	0 0	0	0		
211	211 $\mathbb{Q}_{2,0}^{(a)}$		(0	0	$\frac{4}{15}$ 0	0	0		
			(0	0	$0 \frac{1}{5}$	0	0		
			(0	0	0 0	0	0		
			(0	0	0 0	0	$-\frac{1}{3}$		

表 10

no. type	,		ba	sis				
	0	0	0	0	0	0	0	
	$-\frac{1}{3}$	0	0	0	0	0	0	
212 $\mathbb{Q}_{2,-1}^{(a)}$	0 -	$\frac{\sqrt{15}}{15}$	0	0	0	0	0	
	0	0	$-\frac{\sqrt{2}}{15}$	0	0	0	0	
	0	0	0	$\frac{\sqrt{2}}{15}$		0	0	
	0	0	0		$\frac{\sqrt{15}}{15}$	0	0	
	0	0	0	0	0	$\frac{1}{3}$	0)	
		0	0	0	0		0	0
	•	0	0	0	0		0	0
- (a)	1	0	0	0	0			0
$213 \mathbb{Q}_{2,-2}^{(a)}$	1	$\frac{2\sqrt{5}}{15}$	0	0	0			0
	i		$-\frac{2\sqrt{6}}{15}$	0	0		0	0
		0	0	$-\tfrac{2\sqrt{5}}{15}$	0			0
		0	0	0	$-\frac{\sqrt{2}}{1}$	_	0	0)
				$\frac{\sqrt{42}}{33}$ 0				
		0 0		$0 \qquad \frac{\sqrt{7}}{33}$		- 1		
$214 \qquad \mathbb{Q}_{4,4}^{(a)}$				0 0	0.0	- 1		
44,4				0 0				
				0 0				
	l			0 0		١		

表 10

no.	type	basis	
		$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{7}}{11} & 0 & 0 & 0 \end{pmatrix}$	
		$\begin{bmatrix} 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{33} & 0 & 0 \end{bmatrix}$	
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{33} & 0 \end{bmatrix}$	
215	$\mathbb{Q}_{4,3}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{11} \end{bmatrix}$	
		0 0 0 0 0 0 0	
		0 0 0 0 0 0 0	
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$	
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$	
		$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
		$\begin{bmatrix} 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}}{33} & 0 & 0 \end{bmatrix}$	
216	$\mathbb{Q}_{4,2}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{33} & 0 \end{bmatrix}$	
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{11} \end{bmatrix}$	
		0 0 0 0 0 0 0	
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$	
		$\left(0 - \frac{\sqrt{30}}{33} 0 0 0 0 0\right)$	
		$0 0 \frac{4\sqrt{2}}{33} 0 0 0 0$	
		$\begin{bmatrix} 0 & 0 & 0 & \frac{\sqrt{15}}{33} & 0 & 0 & 0 \end{bmatrix}$	
217	$\mathbb{Q}_{4,1}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & 0 & -\frac{\sqrt{15}}{33} & 0 & 0 \end{bmatrix}$	
		$\begin{bmatrix} 0 & 0 & 0 & 0 & -\frac{4\sqrt{2}}{33} & 0 \end{bmatrix}$	
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{33} \end{bmatrix}$	
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{bmatrix}$	

表 10

no.	type				b	asis			
			$\left(\frac{1}{11}\right)$	0	0	0	0 0	0	
			0	$-\frac{7}{33}$	0	0	0 0	0	
			0	0	$\frac{1}{33}$	0	0 0	0	
218	$\mathbb{Q}_{4,0}^{(a)}$		0	0	0	$\frac{2}{11}$	0 0	0	
			0	0	0	0 -	$\frac{1}{33}$ 0	0	
			0	0	0	0	$0 - \frac{7}{33}$	0	
			0	0	0	0	0 0	$\frac{1}{11}$	1
		0		0	0	0	0	0	0
	$\mathbb{Q}_{4,-1}^{(a)}$	$\frac{\sqrt{30}}{33}$	<u> </u>	0	0	0	0	0	0
		0	-	$\frac{4\sqrt{2}}{33}$	0	0	0	0	0
219		0		0	$-\tfrac{\sqrt{15}}{33}$	0	0	0	0
		0		0	0	$\frac{\sqrt{15}}{33}$	0	0	0
		0		0	0	0	$\frac{4\sqrt{2}}{33}$	0	0
		0		0	0	0	0	$-\frac{\sqrt{30}}{33}$	0)
			0	0	0	•	0 0	0 (0
			0	0	0	(0 0	0 (0
			$\frac{\sqrt{6}}{11}$	0	0	•	0 0	0 (0
220	$\mathbb{Q}_{4,-2}^{(a)}$		0	$-\frac{\sqrt{3}}{33}$	0	(0 0	0 (0
			0	0	$-\frac{2\sqrt{1}}{33}$	0	0 0	0 (0
			0	0	0	_	$\frac{\sqrt{3}}{33}$ 0	0 (0
			0	0	0	($0 \qquad \frac{\sqrt{6}}{11}$	0 (0)

表 10

no.	type	basis
		0 0 0 0 0 0 0
221	$\mathbb{Q}_{4,-3}^{(a)}$	$\left \begin{array}{cccccccccccccccccccccccccccccccccccc$
		$0 \frac{\sqrt{14}}{33} 0 0 0 0 0$
		$\begin{bmatrix} 0 & 0 & -\frac{\sqrt{14}}{33} & 0 & 0 & 0 & 0 \end{bmatrix}$
		$\begin{array}{cccccccccccccccccccccccccccccccccccc$
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$
		0 0 0 0 0 0 0
	$\mathbb{Q}_{4,-4}^{(a)}$	0 0 0 0 0 0 0
222		0 0 0 0 0 0 0
		$\left \begin{array}{cccccccccccccccccccccccccccccccccccc$
		$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
		$0 0 \frac{\sqrt{42}}{33} 0 0 0 0$
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{10\sqrt{231}}{429} \end{pmatrix}$
		0 0 0 0 0 0 0
		0 0 0 0 0 0 0
223	$\mathbb{Q}_{6,6}^{(a)}$	0 0 0 0 0 0 0
		0 0 0 0 0 0 0
		0 0 0 0 0 0 0
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$

表 10

no.	type							ba	sis			
				0	0	0	0	0	$\frac{5\sqrt{46}}{429}$	2	0	
				0	0	0	0	0	0	_ 5	$\frac{5\sqrt{462}}{429}$	
				0	0	0	0	0	0		0	
224	$\mathbb{Q}_{6,5}^{(a)}$			0	0	0	0	0	0		0	
				0	0	0	0	0	0		0	
				0	0	0	0	0	0		0	
			_	0	0	0	0	0	0		0	
		(0	0	0	0	_	$\frac{5\sqrt{2}}{429}$	10	0	0	
			0	0	0	0		0	10	$\frac{0\sqrt{14}}{143}$	0	
		İ	0	0	0	0		0		0	$-\frac{5\sqrt{21}}{429}$	<u>.</u> 0
225	$\mathbb{Q}_{6,4}^{(a)}$		0	0	0	0		0		0	0	
			0	0	0	0		0		0	0	
			0	0	0	0		0		0	0	
			0	0	0	0		0		0	0	
		$\int C$		0	0	$\frac{10}{429}$	2 <u>1</u> 9		0	0	0	
		C		0	0	0		_ {	$\frac{5\sqrt{42}}{143}$	0	0	
		C		0	0	0			0	$\frac{5\sqrt{42}}{143}$	0	
226	$\mathbb{Q}_{6,3}^{(a)}$	C		0	0	0			0	0	$-\frac{10}{42}$	$\frac{\sqrt{21}}{29}$
		C		0	0	0			0	0	0	
		C		0	0	0			0	0	0	
		(0	١	0	0	0			0	0	0	

表 10

no.	type					basis	l		
		0	0 -	$\frac{10\sqrt{7}}{429}$	0		0	0	0
		0	0	0	$\frac{20\sqrt{14}}{429}$		0	0	0
		0	0	0	0	_ 1	$\frac{0\sqrt{105}}{429}$	0	0
227	$\mathbb{Q}_{6,2}^{(a)}$	0	0	0	0		0	$\frac{20\sqrt{14}}{429}$	0
		0	0	0	0		0	0	$-\frac{10\sqrt{7}}{429}$
		0	0	0	0		0	0	0
		0	0	0	0		0	0	0
		\int_{0}^{∞}	$\tfrac{5\sqrt{7}}{429}$	0	0		0	0	0
		0	0	$-\frac{5\sqrt{105}}{429}$	0		0	0	0
		0	0	0	$\frac{25}{42!}$	14	0	0	0
228	$\mathbb{Q}_{6,1}^{(a)}$	0	0	0	0		$-\frac{25\sqrt{14}}{429}$	0	0
		0	0	0	0		0	$\frac{5\sqrt{105}}{429}$	0
		0	0	0	0		0	0	$-\frac{5\sqrt{7}}{429}$
		\int_{0}^{0}	0	0	0		0	0	0
		($-\frac{5}{429}$	0	0	0	0	0	0
			0	$\frac{10}{143}$	0	0	0	0	0
			0	0	$-\frac{25}{143}$	0	0	0	0
229	$\mathbb{Q}_{6,0}^{(a)}$		0	0	0	$\tfrac{100}{429}$	0	0	0
			0	0	0	0	$-\tfrac{25}{143}$	0	0
			0	0	0	0	0	$\frac{10}{143}$	0
			0	0	0	0	0	0	$-\frac{5}{429}$

表 10

no.	type				basis				
		0	0	0	0		0	0	0
		$-\frac{5\sqrt{7}}{429}$	0	0	0		0	0	0
		0	$\frac{5\sqrt{105}}{429}$	0	0		0	0	0
230	$\mathbb{Q}_{6,-1}^{(a)}$	0	0	$-\frac{25\sqrt{14}}{429}$	0		0	0	0
		0	0	0	$\frac{25}{42}$	$\frac{14}{9}$	0	0	0
		0	0	0	0	_:	$\frac{5\sqrt{105}}{429}$	0	0
		0	0	0	0	ı	0	$\frac{5\sqrt{7}}{429}$	0)
		0	0	0		0	0	0	0
		0	0	0		0	0	0	0
		$-\frac{10\sqrt{7}}{429}$	0	0		0	0	0	0
231	$\mathbb{Q}_{6,-2}^{(a)}$	0	$\frac{20\sqrt{14}}{429}$	0		0	0	0	0
		0	0	$-\frac{10\sqrt{42}}{42}$	105 29	0	0	0	0
		0	0	0		$\frac{20\sqrt{14}}{429}$	0	0	0
		0	0	0		0	$-\frac{10\sqrt{429}}{429}$	$\frac{7}{0}$ 0	0
			0	0	0	0	0	$\begin{pmatrix} 0 & 0 \end{pmatrix}$	
			0	0	0	0	0	0 0	
			0	0	0	0	0	0 0	
232	$\mathbb{Q}_{6,-3}^{(a)}$	_10	$\frac{0\sqrt{21}}{429}$	0	0	0	0	0 0	
			0 -	$\frac{5\sqrt{42}}{143}$	0	0	0	0 0	
			0	0 -	$\frac{5\sqrt{42}}{143}$	0	0	0 0	
			0	0	0	$\frac{10\sqrt{21}}{429}$	0	0 0	

表 10

no.	type	basis
		0 0 0 0 0 0
		0 0 0 0 0 0 0
233	$\mathbb{Q}_{6,-4}^{(a)}$	0 0 0 0 0 0 0
		$-\frac{5\sqrt{210}}{429}$ 0 0 0 0 0 0
		$0 \qquad \frac{10\sqrt{14}}{143} \qquad 0 \qquad 0 0 0 0$
		0 0 0 0 0 0
		0 0 0 0 0 0
234	$\mathbb{Q}_{6,-5}^{(a)}$	0 0 0 0 0 0
		0 0 0 0 0 0
		$-\frac{5\sqrt{462}}{429}$ 0 0 0 0 0 0
		0 0 0 0 0 0 0
		0 0 0 0 0 0 0
235	$\mathbb{Q}_{6,-6}^{(a)}$	0 0 0 0 0 0
		0 0 0 0 0 0
		0 0 0 0 0 0 0
		$\left(\begin{array}{cccccccccccccccccccccccccccccccccccc$

表 10

no.	type				b	asis			
		0	$-\sqrt{3}$	0	0		0	0	0
		0	0	$-\sqrt{3}$	$\overline{5}$ 0		0	0	0
		0	0	0	-1	$\sqrt{6}$	0	0	0
236	$\mathbb{M}_{1,1}^{(a)}$	0	0	0	0	-	$-\sqrt{6}$	0	0
		0	0	0	0		0	$-\sqrt{5}$	0
		0	0	0	0		0	0	$-\sqrt{3}$
		0	0	0	0	ı	0	0	0
			$\sqrt{3}$	0	0 0	0	0	0	
			0	2	0 0	0	0	0	
			0	0	1 0	0	0	0	
237	$\mathbb{M}_{1,0}^{(a)}$		0	0	0 0	0	0	0	
			0	0	0 0	-1	0	0	
			0	0	0 0	0	-2	0	
			(0	0	0 0	0	0	-3/	
			0	0	0	0	0	0	0
			$\sqrt{3}$	0	0	0	0	0	0
			0	$\sqrt{5}$	0	0	0	0	0
238	$\mathbb{M}_{1,-1}^{(a)}$		0	0	$\sqrt{6}$	0	0	0	0
			0	0	0	$\sqrt{6}$	0	0	0
			0	0	0	0	$\sqrt{5}$	0	0
			0	0	0	0	0	$\sqrt{3}$	0)

表 10

no.	type	basis
		$\begin{pmatrix} 0 & 0 & 0 & 1 & 0 & 0 & 0 \end{pmatrix}$
		$\begin{bmatrix} 0 & 0 & 0 & \sqrt{2} & 0 & 0 \end{bmatrix}$
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 \end{bmatrix}$
239	$\mathbb{M}_{3,3}^{(a)}$	
		(0 0 0 0 0 0 0 0)
		$\begin{bmatrix} 0 & 0 & -\sqrt{2} & 0 & 0 & 0 & 0 \end{bmatrix}$
		0 0 0 -1 0 0 0
		0 0 0 0 0 0 0
240	$\mathbb{M}_{3,2}^{(a)}$	0 0 0 0 0 1 0
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & \sqrt{2} \end{bmatrix}$
		0 0 0 0 0 0 0
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
		$\begin{pmatrix} 0 & \sqrt{2} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
		0 0 0 0 0 0 0
		$\begin{bmatrix} 0 & 0 & 0 & -1 & 0 & 0 & 0 \end{bmatrix}$
241	$\mathbb{M}_{3,1}^{(a)}$	$\begin{bmatrix} 0 & 0 & 0 & 0 & -1 & 0 & 0 \end{bmatrix}$
		0 0 0 0 0 0 0
		$\begin{bmatrix} 0 & 0 & 0 & 0 & 0 & \sqrt{2} \end{bmatrix}$
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

表 10

no.	type				basi	is				
		-1	0	0	0	0	0		0	
		0	1	0	0	0	0		0	
		0	0	1	0	0	0		0	
242	$\mathbb{M}_{3,0}^{(a)}$	0	0	0	0	0	0		0	
		0	0	0	0	-1	0		0	
		0	0	0	0	0	_	1	0	
		0	0	0	0	0	0	1	1	
		0	0	0	0	0	0	ı	0	١
		$-\sqrt{2}$	0	0	0	0	0		0	İ
		0	0	0	0	0	0		0	
243	$\mathbb{M}_{3,-1}^{(a)}$	0	0	1	0	0	0		0	
		0	0	0	1	0	0		0	
		0	0	0	0	0	0		0	
		0	0	0	0	0	-1	$\sqrt{2}$	0	
		0	0)	0	0	0	0	0	١
		0	0)	0	0	0	0	0	
		$-\sqrt{2}$	0)	0	0	0	0	0	
244	$\mathbb{M}_{3,-2}^{(a)}$	0	_	1	0	0	0	0	0	
		0	0)	0	0	0	0	0	١
		0	0)	0	1	0	0	0	
		0	0)	0	0	$\sqrt{2}$	0	0	

表 10

no.	type					basis	S			
		0		0		0	0	0	0	0
		0		0		0	0	0	0	0
		0		0		0	0	0	0	0
245	$\mathbb{M}_{3,-3}^{(a)}$	-1		0		0	0	0	0	0
		0	-	$-\sqrt{2}$	2	0	0	0	0	0
		0		0	=	$-\sqrt{2}$	0	0	0	0
		0		0		0	-1	0	0	0)
		\int_{0}^{∞}	0	0	0	0 -	$-\frac{5\sqrt{42}}{33}$		0	
		0	0	0	0	0	0	-	$-\frac{5\sqrt{3}}{3}$	<u>/42</u> 33
		0	0	0	0	0	0		0	
246	$\mathbb{M}_{5,5}^{(a)}$	0	0	0	0	0	0		0	
		0	0	0	0	0	0		0	
		0	0	0	0	0	0		0	
		0	0	0	0	0	0		0	
		\int_{0}^{∞}	0	0	0	$\frac{5\sqrt{4}}{33}$	<u>2</u> 0		0	
		0	0	0	0	0	0		0	
		0	0	0	0	0	0	_	$\frac{5\sqrt{4}}{33}$	<u>42</u>
247	$\mathbb{M}_{5,4}^{(a)}$	0	0	0	0	0	0		0	
		0	0	0	0	0	0		0	
		0	0	0	0	0	0		0	
		0	0	0	0	0	0		0)

表 10

no.	type					1	basi	s				
			0	0	0 -	$\frac{10\sqrt{7}}{33}$	()	0	0		
			0	0	0	0	$\frac{5}{3}$	$\frac{14}{3}$	0	0		
			0	0	0	0	()	$\frac{5\sqrt{14}}{33}$	0		
248	$\mathbb{M}_{5,3}^{(a)}$		0	0	0	0	()	0	$-\frac{10}{3}$	$\frac{\sqrt{7}}{3}$	
			0	0	0	0	()	0	0		
			0	0	0	0	()	0	0		
			0	0	0	0	()	0	0		
			0	0	$\frac{5\sqrt{14}}{33}$	0		0	0	0		
			0	0	0	$-\frac{10}{3}$	$\frac{\sqrt{7}}{33}$	0	0	0		
			0	0	0	0		0	0	0		
249	$\mathbb{M}_{5,2}^{(a)}$		0	0	0	0		0	$\frac{10\sqrt{7}}{33}$	0		
			0	0	0	0		0	0	$-\frac{5v}{3}$	$\frac{\sqrt{14}}{3}$	
			0	0	0	0		0	0	0		
			0	0	0	0		0	0	0		
		\int_{0}^{∞}	_	$\frac{5\sqrt{5}}{33}$	0	0			0	0	0	
		0		0	$\frac{5\sqrt{3}}{11}$	0			0	0	0	
		0		0	0	$-\frac{5\sqrt{3}}{3}$	$\frac{\sqrt{10}}{3}$		0	0	0	
250	$\mathbb{M}_{5,1}^{(a)}$	0		0	0	0		_ 5	$\frac{5\sqrt{10}}{33}$	0	0	
		0		0	0	0			0	$\frac{5\sqrt{3}}{11}$	0	
		0		0	0	0			0	0	$-\frac{5\sqrt{5}}{33}$	
		0		0	0	0			0	0	0	

表 10

no.	type					basis			
			$\frac{5}{33}$	0	0	0 0	0	0	
			0	$-\frac{20}{33}$	0	0 0	0	0	
			0	0	$\frac{25}{33}$	0 0	0	0	
251	$\mathbb{M}_{5,0}^{(a)}$		0	0	0	0 0	0	0	
			0	0	0	$0 -\frac{2}{3}$	$\frac{15}{3}$ 0	0	
			0	0	0	0 0	$\frac{20}{33}$	0	
		,	0	0	0	0 0	0	$-\frac{5}{33}$	
		\int_{0}^{∞}	(0	0	0	0	0	0
		$\frac{5\sqrt{5}}{33}$. (0	0	0	0	0	0
		0	_ 5	$\frac{5\sqrt{3}}{11}$	0	0	0	0	0
252	$\mathbb{M}_{5,-1}^{(a)}$	0	(0	$\frac{5\sqrt{10}}{33}$	0	0	0	0
		0	(0	0	$\frac{5\sqrt{10}}{33}$	0	0	0
		0	(0	0	0	$-\frac{5\sqrt{3}}{11}$	0	0
		0	(0	0	0	0	$\frac{5\sqrt{5}}{33}$	0)
			0	0	0	0	0	0	0
			0	0	0	0	0	0	0
		5.	$\frac{\sqrt{14}}{33}$	0	0	0	0	0	0
253	$\mathbb{M}_{5,-2}^{(a)}$		0	$-\frac{10}{33}$	0	0	0	0	0
			0	0	0	0	0	0	0
			0	0	0	$\frac{10\sqrt{7}}{33}$	0	0	0
			0	0	0	0	$-\frac{5\sqrt{14}}{33}$	0	0)

表 10

no.	type				basis	3					
		0	()	0		0	0	0	0	
		0	()	0		0	0	0	0	
		0	()	0		0	0	0	0	
254	$\mathbb{M}_{5,-3}^{(a)}$	10√ 33	<u>7</u> ()	0		0	0	0	0	
		0	_ 5	$\frac{\sqrt{14}}{33}$	0		0	0	0	0	
		0	()	$-\frac{5\sqrt{14}}{33}$		0	0		0	
		(0	()	0	1	$\frac{0\sqrt{7}}{33}$	0	0	0)
			0	0	0	0	0	0	0		
			0	0	0	0	0	0	0		
			0	0	0	0	0	0	0		
255	$\mathbb{M}_{5,-4}^{(a)}$		0	0	0	0	0	0	0		
			$\frac{5\sqrt{42}}{33}$	0	0	0	0	0	0		
			0	0	0	0	0	0	0		
			0	0 -	$\frac{5\sqrt{42}}{33}$	0	0	0	0)		
			0	0	0	0	0	0	0		
			0	0	0	0	0	0	0		
	()		0	0	0	0	0	0	0		
256	$\mathbb{M}_{5,-5}^{(a)}$		0	0	0	0	0	0	0		
			0	0	0	0	0	0	0		
			$\frac{5\sqrt{42}}{33}$	0	0	0	0	0	0		
			0	$\frac{5\sqrt{4}}{33}$	0	0	0	0	0		