

Atomic Multipoles (spinful JM basis)

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

no.	type	basis
1	$\mathbb{Q}_0^{(a)}$	$\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$
2	$\mathbb{M}_{1,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -\sqrt{2} \\ 0 & 0 \end{pmatrix}$
3	$\mathbb{M}_{1,0}^{(a)}(1, -1)$	$\begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix}$
4	$\mathbb{M}_{1,-1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 \\ \sqrt{2} & 0 \end{pmatrix}$

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

no.	type	basis
5	$\mathbb{Q}_{1,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{3} & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{3} \end{pmatrix}$
6	$\mathbb{Q}_{1,1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{3}}{9} & \frac{\sqrt{6}}{18} & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{18} \end{pmatrix}$
7	$\mathbb{Q}_{1,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{\sqrt{3}}{3} & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{3}}{3} & 0 & 0 \end{pmatrix}$
8	$\mathbb{Q}_{1,0}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & \frac{\sqrt{3}}{9} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{3}}{9} & 0 \end{pmatrix}$

continued ...

表 2

no.	type	basis
9	$\mathbb{Q}_{1,-1}^{(a)}$	$\begin{pmatrix} -\frac{\sqrt{3}}{3} & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{3}}{3} & 0 & 0 & 0 & 0 \end{pmatrix}$
10	$\mathbb{Q}_{1,-1}^{(a)}(1,0)$	$\begin{pmatrix} -\frac{\sqrt{6}}{18} & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{6}}{18} & -\frac{\sqrt{3}}{9} & 0 & 0 & 0 \end{pmatrix}$
11	$\mathbb{M}_0^{(a)}(1,1)$	$\begin{pmatrix} 0 & -\frac{\sqrt{2}}{3} & \frac{1}{3} & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{1}{3} & \frac{\sqrt{2}}{3} & 0 \end{pmatrix}$
12	$\mathbb{M}_{2,2}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{3} \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
13	$\mathbb{M}_{2,1}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{3}}{3} & -\frac{\sqrt{6}}{6} & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{6} \end{pmatrix}$
14	$\mathbb{M}_{2,0}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & \frac{1}{3} & \frac{\sqrt{2}}{3} & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{2}}{3} & -\frac{1}{3} & 0 \end{pmatrix}$
15	$\mathbb{M}_{2,-1}^{(a)}(1,-1)$	$\begin{pmatrix} -\frac{\sqrt{6}}{6} & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{6}}{6} & \frac{\sqrt{3}}{3} & 0 & 0 & 0 \end{pmatrix}$
16	$\mathbb{M}_{2,-2}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{6}}{3} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
17	$\mathbb{T}_{1,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{9} & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{9} \end{pmatrix}$
18	$\mathbb{T}_{1,1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{3}i}{3} & -\frac{\sqrt{6}i}{6} & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{6} \end{pmatrix}$
19	$\mathbb{T}_{1,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{\sqrt{3}i}{9} & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{3}i}{9} & 0 & 0 \end{pmatrix}$
20	$\mathbb{T}_{1,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & -\frac{\sqrt{3}i}{3} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{3} & 0 \end{pmatrix}$

continued ...

表 2

no.	type	basis
21	$\mathbb{T}_{1,-1}^{(a)}$	$\begin{pmatrix} -\frac{\sqrt{3}i}{9} & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{3}i}{9} & 0 & 0 & 0 & 0 \end{pmatrix}$
22	$\mathbb{T}_{1,-1}^{(a)}(1,0)$	$\begin{pmatrix} \frac{\sqrt{6}i}{6} & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{6}i}{6} & \frac{\sqrt{3}i}{3} & 0 & 0 & 0 \end{pmatrix}$
23	$\mathbb{G}_0^{(a)}(1,1)$	$\begin{pmatrix} 0 & -\frac{\sqrt{2}i}{9} & \frac{i}{9} & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{i}{9} & \frac{\sqrt{2}i}{9} & 0 \end{pmatrix}$
24	$\mathbb{G}_{2,2}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{9} \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
25	$\mathbb{G}_{2,1}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{3}i}{9} & -\frac{\sqrt{6}i}{18} & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{18} \end{pmatrix}$
26	$\mathbb{G}_{2,0}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & \frac{i}{9} & \frac{\sqrt{2}i}{9} & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{2}i}{9} & -\frac{i}{9} & 0 \end{pmatrix}$
27	$\mathbb{G}_{2,-1}^{(a)}(1,-1)$	$\begin{pmatrix} -\frac{\sqrt{6}i}{18} & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{6}i}{18} & \frac{\sqrt{3}i}{9} & 0 & 0 & 0 \end{pmatrix}$
28	$\mathbb{G}_{2,-2}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{6}i}{9} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

bra: $[(1/2, 1/2, 0), (1/2, -1/2, 0)]$ ket: $[(3/2, 3/2, 2), (3/2, 1/2, 2), (3/2, -1/2, 2), (3/2, -3/2, 2), (5/2, 5/2, 2), (5/2, 3/2, 2), (5/2, 1/2, 2), (5/2, -1/2, 2), (5/2, -3/2, 2), (5/2, -5/2, 2)]$

no.	type	basis
29	$\mathbb{Q}_{2,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{5} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{5} \end{pmatrix}$

continued ...

表 3

no.	type	basis
30	$\mathbb{Q}_{2,2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{30} & -\frac{\sqrt{30}}{30} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{30} \end{pmatrix}$
31	$\mathbb{Q}_{2,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{5} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{5} & 0 & 0 \end{pmatrix}$
32	$\mathbb{Q}_{2,1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{10} & \frac{\sqrt{30}}{60} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{60} & -\frac{\sqrt{30}}{30} & 0 \end{pmatrix}$
33	$\mathbb{Q}_{2,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{5} & 0 & 0 & 0 & 0 \end{pmatrix}$
34	$\mathbb{Q}_{2,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{5}}{10} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{10} & 0 & 0 & 0 \end{pmatrix}$
35	$\mathbb{Q}_{2,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & -\frac{\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
36	$\mathbb{Q}_{2,-1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & -\frac{\sqrt{30}}{30} & -\frac{\sqrt{30}}{60} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{30}}{60} & -\frac{\sqrt{5}}{10} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
37	$\mathbb{Q}_{2,-2}^{(a)}$	$\begin{pmatrix} \frac{\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
38	$\mathbb{Q}_{2,-2}^{(a)}(1,0)$	$\begin{pmatrix} \frac{\sqrt{30}}{30} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{30}}{30} & \frac{\sqrt{30}}{30} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
39	$\mathbb{M}_{1,1}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{1}{5} & -\frac{\sqrt{6}}{10} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{10} & -\frac{\sqrt{6}}{5} & 0 \end{pmatrix}$
40	$\mathbb{M}_{1,0}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{3}}{5} & \frac{\sqrt{2}}{5} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}}{5} & \frac{\sqrt{3}}{5} & 0 & 0 & 0 \end{pmatrix}$
41	$\mathbb{M}_{1,-1}^{(a)}(1,1)$	$\begin{pmatrix} 0 & \frac{\sqrt{6}}{5} & -\frac{\sqrt{6}}{10} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{6}}{10} & -\frac{1}{5} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 3

no.	type	basis
42	$\mathbb{M}_{3,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}}{5} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
43	$\mathbb{M}_{3,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{15}}{15} & \frac{\sqrt{15}}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}}{15} \end{pmatrix}$
44	$\mathbb{M}_{3,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{2}{5} & -\frac{2\sqrt{6}}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{6}}{15} & \frac{\sqrt{6}}{15} & 0 \end{pmatrix}$
45	$\mathbb{M}_{3,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{2}}{5} & \frac{\sqrt{3}}{5} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{5} & -\frac{\sqrt{2}}{5} & 0 & 0 & 0 \end{pmatrix}$
46	$\mathbb{M}_{3,-1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -\frac{\sqrt{6}}{15} & -\frac{2\sqrt{6}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{6}}{15} & \frac{2}{5} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
47	$\mathbb{M}_{3,-2}^{(a)}(1, -1)$	$\begin{pmatrix} \frac{\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{15}}{15} & -\frac{2\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
48	$\mathbb{M}_{3,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{10}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
49	$\mathbb{T}_{2,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{10} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{10} \end{pmatrix}$
50	$\mathbb{T}_{2,2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}i}{15} & \frac{\sqrt{30}i}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}i}{15} \end{pmatrix}$
51	$\mathbb{T}_{2,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}i}{10} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}i}{10} & 0 & 0 \end{pmatrix}$
52	$\mathbb{T}_{2,1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{5} & -\frac{\sqrt{30}i}{30} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}i}{30} & \frac{\sqrt{30}i}{15} & 0 \end{pmatrix}$
53	$\mathbb{T}_{2,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{10} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{10} & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 3

no.	type	basis
54	$\mathbb{T}_{2,0}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{5}i}{5} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}i}{5} & 0 & 0 & 0 \end{pmatrix}$
55	$\mathbb{T}_{2,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & -\frac{\sqrt{5}i}{10} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{5}i}{10} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
56	$\mathbb{T}_{2,-1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & \frac{\sqrt{30}i}{15} & \frac{\sqrt{30}i}{30} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{30}i}{30} & \frac{\sqrt{5}i}{5} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
57	$\mathbb{T}_{2,-2}^{(a)}$	$\begin{pmatrix} \frac{\sqrt{5}i}{10} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{5}i}{10} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
58	$\mathbb{T}_{2,-2}^{(a)}(1, 0)$	$\begin{pmatrix} -\frac{\sqrt{30}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{30}i}{15} & -\frac{\sqrt{30}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
59	$\mathbb{G}_{1,1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{i}{10} & -\frac{\sqrt{6}i}{20} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{20} & -\frac{\sqrt{6}i}{10} & 0 \end{pmatrix}$
60	$\mathbb{G}_{1,0}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{3}i}{10} & \frac{\sqrt{2}i}{10} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}i}{10} & \frac{\sqrt{3}i}{10} & 0 & 0 & 0 \end{pmatrix}$
61	$\mathbb{G}_{1,-1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & \frac{\sqrt{6}i}{10} & -\frac{\sqrt{6}i}{20} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{6}i}{20} & -\frac{i}{10} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
62	$\mathbb{G}_{3,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}i}{10} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
63	$\mathbb{G}_{3,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}i}{15} & \frac{\sqrt{15}i}{30} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}i}{30} \end{pmatrix}$
64	$\mathbb{G}_{3,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{i}{5} & -\frac{\sqrt{6}i}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{15} & \frac{\sqrt{6}i}{30} & 0 \end{pmatrix}$
65	$\mathbb{G}_{3,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{2}i}{10} & \frac{\sqrt{3}i}{10} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{10} & -\frac{\sqrt{2}i}{10} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 3

no.	type	basis
66	$\mathbb{G}_{3,-1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -\frac{\sqrt{6}i}{30} & -\frac{\sqrt{6}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{6}i}{15} & \frac{i}{5} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
67	$\mathbb{G}_{3,-2}^{(a)}(1, -1)$	$\begin{pmatrix} \frac{\sqrt{15}i}{30} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{15}i}{30} & -\frac{\sqrt{15}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
68	$\mathbb{G}_{3,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{10}i}{10} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

bra: $[(1/2, 1/2, 0), (1/2, -1/2, 0)]$ ket: $[(5/2, 5/2, 3), (5/2, 3/2, 3), (5/2, 1/2, 3), (5/2, -1/2, 3), (5/2, -3/2, 3), (5/2, -5/2, 3), (7/2, 7/2, 3), (7/2, 5/2, 3), (7/2, 3/2, 3), (7/2, 1/2, 3), (7/2, -1/2, 3), (7/2, -3/2, 3), (7/2, -5/2, 3), (7/2, -7/2, 3)]$

no.	type	basis
69	$\mathbb{Q}_{3,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{7} \end{pmatrix}$
70	$\mathbb{Q}_{3,3}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}}{70} & \frac{3\sqrt{21}}{70} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{21}}{70} \end{pmatrix}$
71	$\mathbb{Q}_{3,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{7} & 0 & 0 \end{pmatrix}$
72	$\mathbb{Q}_{3,2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}}{70} & -\frac{\sqrt{21}}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}}{35} & \frac{3\sqrt{14}}{70} & 0 \end{pmatrix}$
73	$\mathbb{Q}_{3,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{7} & 0 & 0 & 0 & 0 \end{pmatrix}$
74	$\mathbb{Q}_{3,1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}}{35} & \frac{\sqrt{21}}{70} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{70} & -\frac{\sqrt{210}}{70} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 4

no.	type	basis
75	$\mathbb{Q}_{3,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
76	$\mathbb{Q}_{3,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{7}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{7}}{35} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
77	$\mathbb{Q}_{3,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
78	$\mathbb{Q}_{3,-1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{210}}{70} & -\frac{\sqrt{21}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}}{70} & -\frac{3\sqrt{7}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
79	$\mathbb{Q}_{3,-2}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
80	$\mathbb{Q}_{3,-2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & \frac{3\sqrt{14}}{70} & \frac{\sqrt{21}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{21}}{35} & \frac{\sqrt{210}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
81	$\mathbb{Q}_{3,-3}^{(a)}$	$\begin{pmatrix} -\frac{\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
82	$\mathbb{Q}_{3,-3}^{(a)}(1,0)$	$\begin{pmatrix} -\frac{3\sqrt{21}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{21}}{70} & -\frac{3\sqrt{14}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
83	$\mathbb{M}_{2,2}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{21} & \frac{\sqrt{15}}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}}{21} & \frac{\sqrt{10}}{7} & 0 \end{pmatrix}$
84	$\mathbb{M}_{2,1}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}}{7} & -\frac{2\sqrt{6}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{6}}{21} & -\frac{2\sqrt{15}}{21} & 0 & 0 & 0 \end{pmatrix}$
85	$\mathbb{M}_{2,0}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{2}{7} & \frac{\sqrt{3}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{7} & \frac{2}{7} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
86	$\mathbb{M}_{2,-1}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{2\sqrt{15}}{21} & -\frac{2\sqrt{6}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{6}}{21} & -\frac{\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 4

no.	type	basis
87	$\mathbb{M}_{2,-2}^{(a)}(1,1)$	$\begin{pmatrix} 0 & -\frac{\sqrt{10}}{7} & \frac{\sqrt{15}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{15}}{21} & \frac{\sqrt{6}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
88	$\mathbb{M}_{4,4}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
89	$\mathbb{M}_{4,3}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}}{14} & -\frac{\sqrt{7}}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{14} \end{pmatrix}$
90	$\mathbb{M}_{4,2}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{14} & \frac{\sqrt{3}}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{7} & -\frac{\sqrt{2}}{14} & 0 & 0 \end{pmatrix}$
91	$\mathbb{M}_{4,1}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{7} & -\frac{\sqrt{15}}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}}{14} & \frac{\sqrt{6}}{14} & 0 & 0 & 0 & 0 \end{pmatrix}$
92	$\mathbb{M}_{4,0}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}}{7} & \frac{2}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2}{7} & -\frac{\sqrt{3}}{7} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
93	$\mathbb{M}_{4,-1}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{6}}{14} & -\frac{\sqrt{15}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}}{14} & \frac{\sqrt{5}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
94	$\mathbb{M}_{4,-2}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & \frac{\sqrt{2}}{14} & \frac{\sqrt{3}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{3}}{7} & -\frac{\sqrt{30}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
95	$\mathbb{M}_{4,-3}^{(a)}(1,-1)$	$\begin{pmatrix} -\frac{\sqrt{7}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{7}}{14} & \frac{\sqrt{42}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
96	$\mathbb{M}_{4,-4}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{14}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
97	$\mathbb{T}_{3,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}i}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}i}{35} & 0 \end{pmatrix}$
98	$\mathbb{T}_{3,3}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}i}{14} & -\frac{\sqrt{21}i}{14} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{14} & 0 \end{pmatrix}$

continued ...

表 4

no.	type	basis
99	$\mathbb{T}_{3,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{7}i}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{7}i}{35} & 0 & 0 \end{pmatrix}$
100	$\mathbb{T}_{3,2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{42} & \frac{\sqrt{21}i}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}i}{21} & -\frac{\sqrt{14}i}{14} & 0 & 0 \end{pmatrix}$
101	$\mathbb{T}_{3,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}i}{35} & 0 & 0 & 0 & 0 \end{pmatrix}$
102	$\mathbb{T}_{3,1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{7} & -\frac{\sqrt{21}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{42} & \frac{\sqrt{210}i}{42} & 0 & 0 & 0 \end{pmatrix}$
103	$\mathbb{T}_{3,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
104	$\mathbb{T}_{3,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
105	$\mathbb{T}_{3,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
106	$\mathbb{T}_{3,-1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{210}i}{42} & \frac{\sqrt{21}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}i}{42} & \frac{\sqrt{7}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
107	$\mathbb{T}_{3,-2}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{3\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
108	$\mathbb{T}_{3,-2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & -\frac{\sqrt{14}i}{14} & -\frac{\sqrt{21}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{21}i}{21} & -\frac{\sqrt{210}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
109	$\mathbb{T}_{3,-3}^{(a)}$	$\begin{pmatrix} -\frac{3\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
110	$\mathbb{T}_{3,-3}^{(a)}(1,0)$	$\begin{pmatrix} \frac{\sqrt{21}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{21}i}{14} & \frac{\sqrt{14}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 4

no.	type	basis
111	$\mathbb{G}_{2,2}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{35} & \frac{\sqrt{15}i}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}i}{35} & \frac{3\sqrt{10}i}{35} & 0 \end{pmatrix}$
112	$\mathbb{G}_{2,1}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{2}i}{35} & -\frac{2\sqrt{6}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{6}i}{35} & -\frac{2\sqrt{15}i}{35} & 0 & 0 & 0 & 0 \end{pmatrix}$
113	$\mathbb{G}_{2,0}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{6i}{35} & \frac{3\sqrt{3}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{3}i}{35} & \frac{6i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
114	$\mathbb{G}_{2,-1}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{2\sqrt{15}i}{35} & -\frac{2\sqrt{6}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{6}i}{35} & -\frac{3\sqrt{2}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
115	$\mathbb{G}_{2,-2}^{(a)}(1,1)$	$\begin{pmatrix} 0 & -\frac{3\sqrt{10}i}{35} & \frac{\sqrt{15}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{15}i}{35} & \frac{\sqrt{6}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
116	$\mathbb{G}_{4,4}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}i}{35} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
117	$\mathbb{G}_{4,3}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{42}i}{70} & -\frac{3\sqrt{7}i}{70} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{7}i}{70} \end{pmatrix}$
118	$\mathbb{G}_{4,2}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{30}i}{70} & \frac{3\sqrt{3}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{3}i}{35} & -\frac{3\sqrt{2}i}{70} & 0 & 0 \end{pmatrix}$
119	$\mathbb{G}_{4,1}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{5}i}{35} & -\frac{3\sqrt{15}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{15}i}{70} & \frac{3\sqrt{6}i}{70} & 0 & 0 & 0 & 0 \end{pmatrix}$
120	$\mathbb{G}_{4,0}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{3}i}{35} & \frac{6i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{6i}{35} & -\frac{3\sqrt{3}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
121	$\mathbb{G}_{4,-1}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{3\sqrt{6}i}{70} & -\frac{3\sqrt{15}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{15}i}{70} & \frac{3\sqrt{5}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
122	$\mathbb{G}_{4,-2}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & \frac{3\sqrt{2}i}{70} & \frac{3\sqrt{3}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{3}i}{35} & -\frac{3\sqrt{30}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 4

no.	type	basis
123	$\mathbb{G}_{4,-3}^{(a)}(1, -1)$	$\begin{pmatrix} -\frac{3\sqrt{7}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{7}i}{70} & \frac{3\sqrt{42}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
124	$\mathbb{G}_{4,-4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{3\sqrt{14}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

bra: $[(1/2, 1/2, 1), (1/2, -1/2, 1), (3/2, 3/2, 1), (3/2, 1/2, 1), (3/2, -1/2, 1), (3/2, -3/2, 1)]$

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

no.	type	basis
125	$\mathbb{Q}_0^{(a)}$	$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}$
126	$\mathbb{Q}_0^{(a)}(1, 1)$	$\begin{pmatrix} \frac{\sqrt{3}}{3} & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{3}}{3} & \frac{\sqrt{6}}{3} & 0 & 0 & 0 \\ 0 & \frac{\sqrt{6}}{3} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{3} & 0 \\ 0 & 0 & 0 & \frac{\sqrt{6}}{3} & -\frac{\sqrt{3}}{3} & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}}{3} \end{pmatrix}$

continued ...

表 5

no.	type	basis
127	$\mathbb{Q}_{2,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{5} & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{5} \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
128	$\mathbb{Q}_{2,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & \sqrt{2} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \sqrt{2} \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
129	$\mathbb{Q}_{2,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{\sqrt{3}}{5} & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{3}}{5} & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{5} & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{5} \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
130	$\mathbb{Q}_{2,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -1 & -\frac{\sqrt{2}}{2} & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{2}}{2} & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{2}}{2} & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}}{2} \\ 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 5

no.	type	basis
131	$\mathbb{Q}_{2,0}^{(a)}$	$\begin{pmatrix} -\frac{1}{5} & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{1}{5} & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{2}{5} & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2}{5} & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{1}{5} & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{1}{5} \end{pmatrix}$
132	$\mathbb{Q}_{2,0}^{(a)}(1, -1)$	$\begin{pmatrix} \frac{\sqrt{6}}{3} & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{6}}{3} & -\frac{\sqrt{3}}{3} & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{3}}{3} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{3} & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{3}}{3} & -\frac{\sqrt{6}}{3} & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{3} \end{pmatrix}$
133	$\mathbb{Q}_{2,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{3}}{5} & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{3}}{5} & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{3}}{5} & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{3}}{5} & 0 & 0 \end{pmatrix}$
134	$\mathbb{Q}_{2,-1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{2}}{2} & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{2}}{2} & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{2}}{2} & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{2}}{2} & -1 & 0 \end{pmatrix}$

continued ...

表 5

no.	type	basis
135	$\mathbb{Q}_{2,-2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{6}}{5} & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{6}}{5} & 0 & 0 & 0 & 0 \end{pmatrix}$
136	$\mathbb{Q}_{2,-2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ \sqrt{2} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \sqrt{2} & 0 & 0 & 0 \end{pmatrix}$
137	$\mathbb{M}_{1,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & -1 & 0 & 0 & 0 \\ 0 & 0 & 0 & -1 & 0 & 0 \\ 0 & 0 & 0 & 0 & -1 & 0 \\ 0 & 0 & 0 & 0 & 0 & -1 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
138	$\mathbb{M}_{1,1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & -\frac{\sqrt{5}}{25} & \frac{3\sqrt{10}}{50} & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{10}}{50} & \frac{6\sqrt{5}}{25} & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{5}}{25} & -\frac{3\sqrt{10}}{50} & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10}}{50} \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{25} \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 5

no.	type	basis
139	$\mathbb{M}_{1,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -\sqrt{2} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\sqrt{2} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\sqrt{2} \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
140	$\mathbb{M}_{1,0}^{(a)}$	$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -1 & 0 \\ 0 & 0 & 0 & 0 & 0 & -1 \end{pmatrix}$
141	$\mathbb{M}_{1,0}^{(a)}(1, 1)$	$\begin{pmatrix} -\frac{\sqrt{10}}{25} & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{10}}{25} & -\frac{3\sqrt{5}}{25} & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{5}}{25} & \frac{2\sqrt{10}}{25} & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{10}}{25} & \frac{3\sqrt{5}}{25} & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{5}}{25} & -\frac{\sqrt{10}}{25} & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}}{25} \end{pmatrix}$
142	$\mathbb{M}_{1,0}^{(a)}(1, -1)$	$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & -1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & -1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & -1 \end{pmatrix}$

continued ...

表 5

no.	type	basis
143	$\mathbb{M}_{1,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 \end{pmatrix}$
144	$\mathbb{M}_{1,-1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{5}}{25} & 0 & 0 & 0 & 0 & 0 \\ -\frac{3\sqrt{10}}{50} & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{10}}{50} & -\frac{2\sqrt{5}}{25} & 0 & 0 & 0 \\ 0 & -\frac{6\sqrt{5}}{25} & \frac{3\sqrt{10}}{50} & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{10}}{50} & \frac{\sqrt{5}}{25} & 0 \end{pmatrix}$
145	$\mathbb{M}_{1,-1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ \sqrt{2} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \sqrt{2} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \sqrt{2} & 0 \end{pmatrix}$
146	$\mathbb{M}_{3,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{5} \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 5

no.	type	basis
147	$\mathbb{M}_{3,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{2}{5} & -\frac{\sqrt{2}}{5} & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}}{5} \\ 0 & 0 & 0 & 0 & 0 & \frac{2}{5} \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
148	$\mathbb{M}_{3,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & \frac{2\sqrt{5}}{25} & \frac{2\sqrt{10}}{25} & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{10}}{25} & -\frac{2\sqrt{5}}{25} & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{5}}{25} & -\frac{2\sqrt{10}}{25} & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{10}}{25} \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{25} \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
149	$\mathbb{M}_{3,0}^{(a)}(1, -1)$	$\begin{pmatrix} -\frac{\sqrt{15}}{25} & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{15}}{25} & \frac{\sqrt{30}}{25} & 0 & 0 & 0 \\ 0 & \frac{\sqrt{30}}{25} & \frac{2\sqrt{15}}{25} & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{15}}{25} & -\frac{\sqrt{30}}{25} & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{30}}{25} & -\frac{\sqrt{15}}{25} & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}}{25} \end{pmatrix}$
150	$\mathbb{M}_{3,-1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{5}}{25} & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{10}}{25} & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{10}}{25} & \frac{4\sqrt{5}}{25} & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{5}}{25} & \frac{2\sqrt{10}}{25} & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{10}}{25} & -\frac{2\sqrt{5}}{25} & 0 \end{pmatrix}$

continued ...

表 5

no.	type	basis
151	$\mathbb{M}_{3,-2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2}{5} & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{2}}{5} & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{2}}{5} & \frac{2}{5} & 0 & 0 & 0 \end{pmatrix}$
152	$\mathbb{M}_{3,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{3}}{5} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
153	$\mathbb{T}_{2,2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{2}i}{5} & -\frac{2i}{5} & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2i}{5} \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}i}{5} \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
154	$\mathbb{T}_{2,1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & -\frac{i}{5} & \frac{\sqrt{2}i}{10} & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{2}i}{10} & -\frac{2i}{5} & 0 \\ 0 & 0 & 0 & \frac{2i}{5} & -\frac{\sqrt{2}i}{10} & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}i}{10} \\ 0 & 0 & 0 & 0 & 0 & -\frac{i}{5} \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 5

no.	type	basis
155	$\mathbb{T}_{2,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{3}i}{5} & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{3}i}{5} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{5} & 0 \\ 0 & 0 & 0 & \frac{\sqrt{3}i}{5} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
156	$\mathbb{T}_{2,-1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{i}{5} & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{2}i}{10} & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{2}i}{10} & \frac{2i}{5} & 0 & 0 & 0 \\ 0 & -\frac{2i}{5} & -\frac{\sqrt{2}i}{10} & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{2}i}{10} & -\frac{i}{5} & 0 \end{pmatrix}$
157	$\mathbb{T}_{2,-2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{2}i}{5} & 0 & 0 & 0 & 0 & 0 \\ \frac{2i}{5} & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2i}{5} & \frac{\sqrt{2}i}{5} & 0 & 0 & 0 \end{pmatrix}$
158	$\mathbb{G}_{1,1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & i & -\frac{\sqrt{2}i}{2} & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{2}i}{2} & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{2}i}{2} & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}i}{2} \\ 0 & 0 & 0 & 0 & 0 & -i \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 5

no.	type	basis
159	$\mathbb{G}_{1,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -i & 0 & 0 & 0 \\ 0 & i & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -i & 0 \\ 0 & 0 & 0 & i & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
160	$\mathbb{G}_{1,-1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 \\ i & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{2}i}{2} & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{2}i}{2} & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{2}i}{2} & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{2}i}{2} & -i & 0 \end{pmatrix}$

bra: $[(1/2, 1/2, 1), (1/2, -1/2, 1), (3/2, 3/2, 1), (3/2, 1/2, 1), (3/2, -1/2, 1), (3/2, -3/2, 1)]$

ket: $[(3/2, 3/2, 2), (3/2, 1/2, 2), (3/2, -1/2, 2), (3/2, -3/2, 2), (5/2, 5/2, 2), (5/2, 3/2, 2), (5/2, 1/2, 2), (5/2, -1/2, 2), (5/2, -3/2, 2), (5/2, -5/2, 2)]$

no.	type	basis
161	$\mathbb{Q}_{1,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{5} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{5} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}}{5} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}}{5} \end{pmatrix}$

continued ...

表 6

no.	type	basis
162	$\mathbb{Q}_{1,1}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{2}{5} & -\frac{\sqrt{6}}{5} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{5} & -\frac{4}{5} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}}{5} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}}{5} & -\frac{4\sqrt{2}}{5} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2}{5} & \frac{2}{5} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2}{5} \end{pmatrix}$
163	$\mathbb{Q}_{1,1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{2\sqrt{5}}{15} & \frac{\sqrt{30}}{45} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{15}}{45} & \frac{\sqrt{10}}{15} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{15} & \frac{2\sqrt{5}}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{15} \end{pmatrix}$
164	$\mathbb{Q}_{1,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{5} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{5} & 0 & 0 & 0 \end{pmatrix}$
165	$\mathbb{Q}_{1,0}^{(a)}(1,1)$	$\begin{pmatrix} 0 & -\frac{2\sqrt{2}}{5} & \frac{2\sqrt{2}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{2}}{5} & \frac{2\sqrt{3}}{5} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{2}{5} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{5} & -\frac{2\sqrt{2}}{5} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{2}}{5} & -\frac{2\sqrt{2}}{5} & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
166	$\mathbb{Q}_{1,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & \frac{2\sqrt{10}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{15}}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{5}}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{15}}{45} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{10}}{15} & 0 \end{pmatrix}$
167	$\mathbb{Q}_{1,-1}^{(a)}$	$\begin{pmatrix} -\frac{\sqrt{10}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{10}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}}{15} & 0 & 0 & 0 & 0 \end{pmatrix}$
168	$\mathbb{Q}_{1,-1}^{(a)}(1,1)$	$\begin{pmatrix} -\frac{2}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2}{5} & -\frac{2}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{4\sqrt{2}}{5} & \frac{\sqrt{2}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{2}}{5} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4}{5} & \frac{\sqrt{6}}{5} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{5} & \frac{2}{5} & 0 & 0 & 0 \end{pmatrix}$
169	$\mathbb{Q}_{1,-1}^{(a)}(1,0)$	$\begin{pmatrix} -\frac{2\sqrt{5}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{5}}{15} & -\frac{2\sqrt{5}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{10}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{10}}{15} & -\frac{4\sqrt{15}}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{45} & -\frac{2\sqrt{5}}{15} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
170	$\mathbb{Q}_{3,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
171	$\mathbb{Q}_{3,3}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}}{35} & -\frac{3\sqrt{3}}{70} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{3}}{70} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{70} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
172	$\mathbb{Q}_{3,3}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{15}}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{30}}{15} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
173	$\mathbb{Q}_{3,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
174	$\mathbb{Q}_{3,2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{35} & \frac{\sqrt{2}}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}}{35} & -\frac{3\sqrt{2}}{70} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2}{35} & -\frac{1}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{1}{35} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}}{70} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
175	$\mathbb{Q}_{3,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{15}}{15} & \frac{2\sqrt{10}}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}}{15} & \frac{4\sqrt{5}}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{5}}{15} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{10}}{15} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
176	$\mathbb{Q}_{3,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{3\sqrt{10}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{30}}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{30}}{35} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}}{35} \end{pmatrix}$
177	$\mathbb{Q}_{3,1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{3\sqrt{5}}{175} & -\frac{\sqrt{30}}{350} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{350} & \frac{\sqrt{5}}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{15}}{175} & \frac{\sqrt{10}}{175} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}}{175} & -\frac{\sqrt{10}}{70} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{5}}{175} & -\frac{\sqrt{5}}{350} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{350} \end{pmatrix}$

continued ...

表 6

no.	type	basis
178	$\mathbb{Q}_{3,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{4}{5} & -\frac{4\sqrt{6}}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{6}}{15} & \frac{4}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{2}}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{2}}{15} & \frac{4\sqrt{2}}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4}{5} & \frac{8}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8}{15} \end{pmatrix}$
179	$\mathbb{Q}_{3,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & -\frac{3\sqrt{5}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{5}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{3\sqrt{15}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{15}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{5}}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{5}}{35} & 0 & 0 \end{pmatrix}$
180	$\mathbb{Q}_{3,0}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & -\frac{\sqrt{15}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{3\sqrt{10}}{175} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{30}}{175} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}}{175} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{10}}{175} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}}{175} & 0 \end{pmatrix}$
181	$\mathbb{Q}_{3,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & \frac{4\sqrt{3}}{15} & \frac{2\sqrt{3}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{3}}{5} & -\frac{2\sqrt{2}}{5} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{6}}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{6}}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{2}}{5} & -\frac{2\sqrt{3}}{5} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{5} & \frac{4\sqrt{3}}{15} & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
182	$\mathbb{Q}_{3,-1}^{(a)}$	$\begin{pmatrix} \frac{\sqrt{15}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{15}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{30}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{30}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{3\sqrt{10}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10}}{35} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
183	$\mathbb{Q}_{3,-1}^{(a)}(1,0)$	$\begin{pmatrix} \frac{\sqrt{5}}{350} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{5}}{350} & \frac{3\sqrt{5}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{10}}{70} & -\frac{\sqrt{10}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{10}}{175} & -\frac{3\sqrt{15}}{175} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{5}}{35} & \frac{\sqrt{30}}{350} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{350} & \frac{3\sqrt{5}}{175} & 0 & 0 & 0 & 0 \end{pmatrix}$
184	$\mathbb{Q}_{3,-1}^{(a)}(1,-1)$	$\begin{pmatrix} -\frac{8}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{8}{15} & \frac{4}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{4\sqrt{2}}{15} & \frac{4\sqrt{2}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{2}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4}{15} & \frac{4\sqrt{6}}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{6}}{15} & -\frac{4}{5} & 0 & 0 & 0 & 0 \end{pmatrix}$
185	$\mathbb{Q}_{3,-2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{3}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{3}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{6}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{6}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
186	$\mathbb{Q}_{3,-2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{2}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{1}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{1}{35} & \frac{2}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{2}}{70} & -\frac{\sqrt{2}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{2}}{35} & -\frac{\sqrt{3}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
187	$\mathbb{Q}_{3,-2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{10}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{5}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{4\sqrt{5}}{15} & \frac{4\sqrt{5}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{10}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{10}}{15} & \frac{4\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
188	$\mathbb{Q}_{3,-3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
189	$\mathbb{Q}_{3,-3}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{6}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{3}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{3}}{70} & \frac{\sqrt{3}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
190	$\mathbb{Q}_{3,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{30}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{4\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
191	$\mathbb{M}_0^{(a)}(1, 1)$	$\begin{pmatrix} 0 & -\frac{2\sqrt{15}}{15} & \frac{\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{15}}{15} & \frac{\sqrt{10}}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{30}}{15} & \frac{2\sqrt{5}}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{15} & \frac{\sqrt{30}}{15} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}}{15} & \frac{\sqrt{15}}{15} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}}{15} & \frac{2\sqrt{15}}{15} & 0 & 0 \end{pmatrix}$
192	$\mathbb{M}_{2,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{15}}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{15}}{15} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
193	$\mathbb{M}_{2,2}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{105}}{245} & -\frac{\sqrt{70}}{49} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{49} & -\frac{3\sqrt{70}}{49} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{35}}{245} & \frac{\sqrt{35}}{49} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{49} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{245} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
194	$\mathbb{M}_{2,2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}}{45} & -\frac{4\sqrt{5}}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}}{45} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{10}}{45} & -\frac{4\sqrt{10}}{45} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{10}}{45} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{5}}{45} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
195	$\mathbb{M}_{2,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{15} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}}{5} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{5} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
196	$\mathbb{M}_{2,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{5} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}}{15} \end{pmatrix}$
197	$\mathbb{M}_{2,1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{3\sqrt{70}}{245} & \frac{4\sqrt{105}}{245} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{105}}{245} & \frac{2\sqrt{70}}{49} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{210}}{245} & -\frac{8\sqrt{35}}{245} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{35}}{245} & -\frac{2\sqrt{35}}{49} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{70}}{245} & \frac{2\sqrt{70}}{245} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}}{245} \end{pmatrix}$

continued ...

表 6

no.	type	basis
198	$\mathbb{M}_{2,1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{2\sqrt{5}}{15} & \frac{\sqrt{30}}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{45} & -\frac{4\sqrt{5}}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}}{45} & -\frac{4\sqrt{10}}{45} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{15} & -\frac{2\sqrt{5}}{45} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{45} \end{pmatrix}$
199	$\mathbb{M}_{2,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{5}}{5} & -\frac{\sqrt{30}}{30} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{30} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}}{15} & -\frac{\sqrt{10}}{10} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}}{10} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{5} & -\frac{\sqrt{5}}{5} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{5} \end{pmatrix}$
200	$\mathbb{M}_{2,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{2\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{5} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{5} & 0 & 0 \end{pmatrix}$
201	$\mathbb{M}_{2,0}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & \frac{2\sqrt{105}}{245} & -\frac{3\sqrt{105}}{245} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{105}}{245} & -\frac{6\sqrt{70}}{245} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{210}}{245} & \frac{9\sqrt{35}}{245} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{9\sqrt{35}}{245} & \frac{4\sqrt{210}}{245} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{6\sqrt{70}}{245} & -\frac{3\sqrt{105}}{245} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{105}}{245} & -\frac{2\sqrt{105}}{245} & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
202	$\mathbb{M}_{2,0}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & \frac{2\sqrt{30}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{15}}{45} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{15}}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{15} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{30}}{45} & 0 \end{pmatrix}$
203	$\mathbb{M}_{2,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & \frac{\sqrt{30}}{15} & \frac{\sqrt{30}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{30}}{15} & -\frac{\sqrt{5}}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{15}}{15} & \frac{2\sqrt{10}}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}}{15} & -\frac{\sqrt{15}}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{15} & \frac{\sqrt{30}}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{15} & -\frac{\sqrt{30}}{15} & 0 \end{pmatrix}$
204	$\mathbb{M}_{2,-1}^{(a)}$	$\begin{pmatrix} -\frac{2\sqrt{30}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{30}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{2\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{5} & 0 & 0 & 0 & 0 \end{pmatrix}$
205	$\mathbb{M}_{2,-1}^{(a)}(1, 1)$	$\begin{pmatrix} \frac{2\sqrt{70}}{245} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{70}}{245} & \frac{3\sqrt{70}}{245} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{35}}{49} & -\frac{8\sqrt{35}}{245} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{8\sqrt{35}}{245} & -\frac{3\sqrt{210}}{245} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{70}}{49} & \frac{4\sqrt{105}}{245} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{105}}{245} & \frac{3\sqrt{70}}{245} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
206	$\mathbb{M}_{2,-1}^{(a)}(1, 0)$	$\begin{pmatrix} -\frac{2\sqrt{5}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{5}}{45} & -\frac{2\sqrt{5}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{4\sqrt{10}}{45} & \frac{\sqrt{10}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{10}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{5}}{45} & \frac{\sqrt{30}}{45} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{45} & \frac{2\sqrt{5}}{15} & 0 & 0 & 0 & 0 \end{pmatrix}$
207	$\mathbb{M}_{2,-1}^{(a)}(1, -1)$	$\begin{pmatrix} -\frac{\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{5}}{5} & \frac{\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{10}}{10} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{10}}{10} & \frac{2\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{30} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{30} & \frac{\sqrt{5}}{5} & 0 & 0 & 0 & 0 \end{pmatrix}$
208	$\mathbb{M}_{2,-2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{4\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{30}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{30}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
209	$\mathbb{M}_{2,-2}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{70}}{245} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{35}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{35}}{49} & \frac{4\sqrt{35}}{245} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{70}}{49} & -\frac{\sqrt{70}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{70}}{49} & -\frac{2\sqrt{105}}{245} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
210	$\mathbb{M}_{2,-2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{4\sqrt{5}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{10}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{4\sqrt{10}}{45} & -\frac{2\sqrt{10}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{4\sqrt{5}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{5}}{45} & -\frac{2\sqrt{30}}{45} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
211	$\mathbb{M}_{2,-2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{10}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{15} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
212	$\mathbb{M}_{4,4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{2}}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
213	$\mathbb{M}_{4,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3}{7} & \frac{3}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3}{14} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{2}}{14} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
214	$\mathbb{M}_{4,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{21}}{49} & -\frac{3\sqrt{14}}{49} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{49} & \frac{3\sqrt{14}}{98} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{6\sqrt{7}}{49} & \frac{3\sqrt{7}}{49} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}}{49} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}}{98} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
215	$\mathbb{M}_{4,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{3\sqrt{7}}{49} & \frac{3\sqrt{42}}{98} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{42}}{98} & -\frac{3\sqrt{7}}{49} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{21}}{49} & -\frac{3\sqrt{14}}{49} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{49} & \frac{3\sqrt{14}}{98} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{7}}{49} & \frac{3\sqrt{7}}{98} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}}{98} \end{pmatrix}$
216	$\mathbb{M}_{4,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -\frac{3\sqrt{35}}{245} & -\frac{6\sqrt{35}}{245} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{6\sqrt{35}}{245} & \frac{3\sqrt{210}}{245} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{6\sqrt{70}}{245} & \frac{6\sqrt{105}}{245} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{6\sqrt{105}}{245} & -\frac{6\sqrt{70}}{245} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{210}}{245} & -\frac{6\sqrt{35}}{245} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{6\sqrt{35}}{245} & \frac{3\sqrt{35}}{245} & 0 & 0 \end{pmatrix}$
217	$\mathbb{M}_{4,-1}^{(a)}(1, -1)$	$\begin{pmatrix} \frac{3\sqrt{7}}{98} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{7}}{98} & -\frac{3\sqrt{7}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{14}}{98} & -\frac{3\sqrt{14}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{14}}{49} & \frac{3\sqrt{21}}{49} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{7}}{49} & \frac{3\sqrt{42}}{98} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{42}}{98} & -\frac{3\sqrt{7}}{49} & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
218	$\mathbb{M}_{4,-2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{14}}{98} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{7}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{7}}{49} & -\frac{6\sqrt{7}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{14}}{98} & -\frac{3\sqrt{14}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{14}}{49} & \frac{3\sqrt{21}}{49} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
219	$\mathbb{M}_{4,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{2}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3}{14} & -\frac{3}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
220	$\mathbb{M}_{4,-4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
221	$\mathbb{T}_{1,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}i}{15} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}i}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}i}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}i}{15} & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
222	$\mathbb{T}_{1,1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{2i}{15} & -\frac{\sqrt{6}i}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{15} & -\frac{4i}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}i}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}i}{15} & -\frac{4\sqrt{2}i}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2i}{15} & \frac{2i}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2i}{15} \end{pmatrix}$
223	$\mathbb{T}_{1,1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{5}i}{5} & -\frac{\sqrt{30}i}{30} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}i}{30} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{15}i}{15} & -\frac{\sqrt{10}i}{10} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}i}{10} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{5} & -\frac{\sqrt{5}i}{5} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{5} \end{pmatrix}$
224	$\mathbb{T}_{1,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{2\sqrt{5}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{5}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{4\sqrt{15}i}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{15}i}{45} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}i}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}i}{15} & 0 & 0 \end{pmatrix}$
225	$\mathbb{T}_{1,0}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & -\frac{2\sqrt{2}i}{15} & \frac{2\sqrt{2}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{2}i}{15} & \frac{2\sqrt{3}i}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2i}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{2i}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}i}{15} & -\frac{2\sqrt{2}i}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{2}i}{15} & -\frac{2\sqrt{2}i}{15} & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
226	$\mathbb{T}_{1,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & -\frac{\sqrt{10}i}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{15}i}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{5}i}{5} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}i}{5} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}i}{15} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}i}{5} & 0 \end{pmatrix}$
227	$\mathbb{T}_{1,-1}^{(a)}$	$\begin{pmatrix} -\frac{2\sqrt{10}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{10}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{5}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{5}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{45} & 0 & 0 & 0 & 0 \end{pmatrix}$
228	$\mathbb{T}_{1,-1}^{(a)}(1,1)$	$\begin{pmatrix} -\frac{2i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2i}{15} & -\frac{2i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{4\sqrt{2}i}{15} & \frac{\sqrt{2}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{2}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4i}{15} & \frac{\sqrt{6}i}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{15} & \frac{2i}{15} & 0 & 0 & 0 \end{pmatrix}$
229	$\mathbb{T}_{1,-1}^{(a)}(1,0)$	$\begin{pmatrix} \frac{\sqrt{5}i}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{5}i}{5} & \frac{\sqrt{5}i}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{10}i}{10} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{10}i}{10} & \frac{2\sqrt{15}i}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{30}i}{30} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}i}{30} & \frac{\sqrt{5}i}{5} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
230	$\mathbb{T}_{3,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3i}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3i}{35} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
231	$\mathbb{T}_{3,3}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{7} & \frac{3\sqrt{3}i}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{3}i}{14} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{14} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
232	$\mathbb{T}_{3,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{15}i}{45} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{30}i}{45} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
233	$\mathbb{T}_{3,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{35} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}i}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}i}{35} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
234	$\mathbb{T}_{3,2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}i}{7} & -\frac{\sqrt{2}i}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}i}{7} & \frac{3\sqrt{2}i}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2i}{7} & \frac{i}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{i}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}i}{14} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
235	$\mathbb{T}_{3,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{15}i}{45} & \frac{2\sqrt{10}i}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}i}{45} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}i}{45} & \frac{4\sqrt{5}i}{45} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{5}i}{45} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{10}i}{45} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
236	$\mathbb{T}_{3,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{3\sqrt{10}i}{175} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10}i}{175} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{30}i}{175} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{30}i}{175} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}i}{175} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}i}{175} \end{pmatrix}$
237	$\mathbb{T}_{3,1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{3\sqrt{5}i}{35} & \frac{\sqrt{30}i}{70} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}i}{70} & -\frac{\sqrt{5}i}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{15}i}{35} & -\frac{\sqrt{10}i}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}i}{35} & \frac{\sqrt{10}i}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{5}i}{35} & \frac{\sqrt{5}i}{70} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}i}{70} \end{pmatrix}$

continued ...

表 6

no.	type	basis
238	$\mathbb{T}_{3,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{4i}{15} & -\frac{4\sqrt{6}i}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{6}i}{45} & \frac{4i}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{2}i}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{2}i}{45} & \frac{4\sqrt{2}i}{45} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4i}{15} & \frac{8i}{45} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8i}{45} \end{pmatrix}$
239	$\mathbb{T}_{3,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & -\frac{3\sqrt{5}i}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{5}i}{175} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{3\sqrt{15}i}{175} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{15}i}{175} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{5}i}{175} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{5}i}{175} & 0 & 0 \end{pmatrix}$
240	$\mathbb{T}_{3,0}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & \frac{\sqrt{15}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{3\sqrt{10}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{30}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{30}i}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}i}{35} & 0 \end{pmatrix}$
241	$\mathbb{T}_{3,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & \frac{4\sqrt{3}i}{45} & \frac{2\sqrt{3}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{3}i}{15} & -\frac{2\sqrt{2}i}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{6}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{6}i}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{2}i}{15} & -\frac{2\sqrt{3}i}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}i}{15} & \frac{4\sqrt{3}i}{45} & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
242	$\mathbb{T}_{3,-1}^{(a)}$	$\begin{pmatrix} \frac{\sqrt{15}i}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{15}i}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{30}i}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{30}i}{175} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{3\sqrt{10}i}{175} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10}i}{175} & 0 & 0 & 0 & 0 \end{pmatrix}$
243	$\mathbb{T}_{3,-1}^{(a)}(1, 0)$	$\begin{pmatrix} -\frac{\sqrt{5}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{5}i}{70} & -\frac{3\sqrt{5}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{10}i}{14} & \frac{\sqrt{10}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{10}i}{35} & \frac{3\sqrt{15}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{5}i}{7} & -\frac{\sqrt{30}i}{70} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}i}{70} & -\frac{3\sqrt{5}i}{35} & 0 & 0 & 0 \end{pmatrix}$
244	$\mathbb{T}_{3,-1}^{(a)}(1, -1)$	$\begin{pmatrix} -\frac{8i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{8i}{45} & \frac{4i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{4\sqrt{2}i}{45} & \frac{4\sqrt{2}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{2}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4i}{45} & \frac{4\sqrt{6}i}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{6}i}{45} & -\frac{4i}{15} & 0 & 0 & 0 \end{pmatrix}$
245	$\mathbb{T}_{3,-2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{3}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{3}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{6}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{6}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
246	$\mathbb{T}_{3,-2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{2}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{i}{7} & -\frac{2i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{2}i}{14} & \frac{\sqrt{2}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{2}i}{7} & \frac{\sqrt{3}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
247	$\mathbb{T}_{3,-2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{10}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{5}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{4\sqrt{5}i}{45} & \frac{4\sqrt{5}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{10}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{10}i}{45} & \frac{4\sqrt{15}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
248	$\mathbb{T}_{3,-3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
249	$\mathbb{T}_{3,-3}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{6}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{3\sqrt{3}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{3}i}{14} & -\frac{\sqrt{3}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
250	$\mathbb{T}_{3,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{30}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{4\sqrt{15}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
251	$\mathbb{G}_0^{(a)}(1, 1)$	$\begin{pmatrix} 0 & -\frac{4\sqrt{15}i}{45} & \frac{2\sqrt{15}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{15}i}{45} & \frac{2\sqrt{10}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{30}i}{45} & \frac{4\sqrt{5}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{5}i}{45} & \frac{2\sqrt{30}i}{45} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}i}{45} & \frac{2\sqrt{15}i}{45} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{45} & \frac{4\sqrt{15}i}{45} & 0 & 0 \end{pmatrix}$
252	$\mathbb{G}_{2,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}i}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}i}{45} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{15}i}{45} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{15}i}{45} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
253	$\mathbb{G}_{2,2}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{105}i}{1225} & -\frac{\sqrt{70}i}{245} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}i}{245} & -\frac{3\sqrt{70}i}{245} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{35}i}{1225} & \frac{\sqrt{35}i}{245} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{245} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}i}{1225} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
254	$\mathbb{G}_{2,2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{30}i}{15} & \frac{4\sqrt{5}i}{15} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{5}i}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}i}{15} & \frac{4\sqrt{10}i}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{10}i}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}i}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
255	$\mathbb{G}_{2,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}i}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{10}i}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}i}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
256	$\mathbb{G}_{2,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}i}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{45} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}i}{45} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}i}{45} & 0 \end{pmatrix}$
257	$\mathbb{G}_{2,1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{3\sqrt{70}i}{1225} & \frac{4\sqrt{105}i}{1225} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{105}i}{1225} & \frac{2\sqrt{70}i}{245} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{210}i}{1225} & -\frac{8\sqrt{35}i}{1225} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{35}i}{1225} & -\frac{2\sqrt{35}i}{245} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{70}i}{1225} & \frac{2\sqrt{70}i}{1225} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}i}{1225} & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
258	$\mathbb{G}_{2,1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{2\sqrt{5}i}{5} & -\frac{\sqrt{30}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}i}{15} & \frac{4\sqrt{5}i}{15} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}i}{15} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}i}{15} & \frac{4\sqrt{10}i}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}i}{5} & \frac{2\sqrt{5}i}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}i}{15} \end{pmatrix}$
259	$\mathbb{G}_{2,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{2\sqrt{5}i}{15} & -\frac{\sqrt{30}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}i}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{15}i}{45} & -\frac{\sqrt{10}i}{15} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}i}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}i}{15} & -\frac{2\sqrt{5}i}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}i}{15} \end{pmatrix}$
260	$\mathbb{G}_{2,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{2\sqrt{5}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{5}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}i}{15} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}i}{15} & 0 & 0 & 0 \end{pmatrix}$
261	$\mathbb{G}_{2,0}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & \frac{2\sqrt{105}i}{1225} & -\frac{3\sqrt{105}i}{1225} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{105}i}{1225} & -\frac{6\sqrt{70}i}{1225} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{210}i}{1225} & \frac{9\sqrt{35}i}{1225} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{9\sqrt{35}i}{1225} & \frac{4\sqrt{210}i}{1225} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{6\sqrt{70}i}{1225} & -\frac{3\sqrt{105}i}{1225} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{105}i}{1225} & -\frac{2\sqrt{105}i}{1225} & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
262	$\mathbb{G}_{2,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & -\frac{2\sqrt{30}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}i}{5} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{15}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}i}{5} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}i}{15} & 0 \end{pmatrix}$
263	$\mathbb{G}_{2,0}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & \frac{2\sqrt{30}i}{45} & \frac{2\sqrt{30}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{30}i}{45} & -\frac{2\sqrt{5}i}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{15}i}{45} & \frac{4\sqrt{10}i}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{10}i}{45} & -\frac{2\sqrt{15}i}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}i}{45} & \frac{2\sqrt{30}i}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{30}i}{45} & -\frac{2\sqrt{30}i}{45} & 0 \end{pmatrix}$
264	$\mathbb{G}_{2,-1}^{(a)}$	$\begin{pmatrix} -\frac{2\sqrt{30}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{30}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{2\sqrt{15}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{15}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{5}i}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}i}{15} & 0 & 0 & 0 & 0 \end{pmatrix}$
265	$\mathbb{G}_{2,-1}^{(a)}(1,1)$	$\begin{pmatrix} \frac{2\sqrt{70}i}{1225} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{70}i}{1225} & \frac{3\sqrt{70}i}{1225} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{35}i}{245} & -\frac{8\sqrt{35}i}{1225} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{8\sqrt{35}i}{1225} & -\frac{3\sqrt{210}i}{1225} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{70}i}{245} & \frac{4\sqrt{105}i}{1225} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{105}i}{1225} & \frac{3\sqrt{70}i}{1225} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
266	$\mathbb{G}_{2,-1}^{(a)}(1, 0)$	$\begin{pmatrix} \frac{2\sqrt{5}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{5}i}{15} & \frac{2\sqrt{5}i}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{4\sqrt{10}i}{15} & -\frac{\sqrt{10}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{10}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{5}i}{15} & -\frac{\sqrt{30}i}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}i}{15} & -\frac{2\sqrt{5}i}{5} & 0 & 0 & 0 \end{pmatrix}$
267	$\mathbb{G}_{2,-1}^{(a)}(1, -1)$	$\begin{pmatrix} -\frac{2\sqrt{5}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{5}i}{15} & \frac{2\sqrt{5}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{10}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{10}i}{15} & \frac{4\sqrt{15}i}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{30}i}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}i}{45} & \frac{2\sqrt{5}i}{15} & 0 & 0 & 0 \end{pmatrix}$
268	$\mathbb{G}_{2,-2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{15}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{4\sqrt{15}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{30}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{30}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
269	$\mathbb{G}_{2,-2}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{70}i}{1225} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{35}i}{245} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{35}i}{245} & \frac{4\sqrt{35}i}{1225} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{70}i}{245} & -\frac{\sqrt{70}i}{245} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{70}i}{245} & -\frac{2\sqrt{105}i}{1225} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
270	$\mathbb{G}_{2,-2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{5}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{4\sqrt{10}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{4\sqrt{10}i}{15} & \frac{2\sqrt{10}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{4\sqrt{5}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{5}i}{15} & \frac{2\sqrt{30}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
271	$\mathbb{G}_{2,-2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{5}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{10}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{2\sqrt{30}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
272	$\mathbb{G}_{4,4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{2}i}{35} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
273	$\mathbb{G}_{4,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3i}{35} & \frac{3i}{70} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3i}{70} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{2}i}{70} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
274	$\mathbb{G}_{4,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{21}i}{245} & -\frac{3\sqrt{14}i}{245} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}i}{245} & \frac{3\sqrt{14}i}{490} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{6\sqrt{7}i}{245} & \frac{3\sqrt{7}i}{245} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}i}{245} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}i}{490} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
275	$\mathbb{G}_{4,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{3\sqrt{7}i}{245} & \frac{3\sqrt{42}i}{490} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{42}i}{490} & -\frac{3\sqrt{7}i}{245} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{21}i}{245} & -\frac{3\sqrt{14}i}{245} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}i}{245} & \frac{3\sqrt{14}i}{490} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{7}i}{245} & \frac{3\sqrt{7}i}{490} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}i}{490} & 0 \end{pmatrix}$
276	$\mathbb{G}_{4,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -\frac{3\sqrt{35}i}{1225} & -\frac{6\sqrt{35}i}{1225} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{6\sqrt{35}i}{1225} & \frac{3\sqrt{210}i}{1225} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{6\sqrt{70}i}{1225} & \frac{6\sqrt{105}i}{1225} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{6\sqrt{105}i}{1225} & -\frac{6\sqrt{70}i}{1225} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{210}i}{1225} & -\frac{6\sqrt{35}i}{1225} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{6\sqrt{35}i}{1225} & \frac{3\sqrt{35}i}{1225} & 0 & 0 \end{pmatrix}$
277	$\mathbb{G}_{4,-1}^{(a)}(1, -1)$	$\begin{pmatrix} \frac{3\sqrt{7}i}{490} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{7}i}{490} & -\frac{3\sqrt{7}i}{245} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{14}i}{490} & -\frac{3\sqrt{14}i}{245} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{14}i}{245} & \frac{3\sqrt{21}i}{245} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{7}i}{245} & \frac{3\sqrt{42}i}{490} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{42}i}{490} & -\frac{3\sqrt{7}i}{245} & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 6

no.	type	basis
278	$\mathbb{G}_{4,-2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{14}i}{490} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{7}i}{245} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{7}i}{245} & -\frac{6\sqrt{7}i}{245} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{14}i}{490} & -\frac{3\sqrt{14}i}{245} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{14}i}{245} & \frac{3\sqrt{21}i}{245} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
279	$\mathbb{G}_{4,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{2}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3i}{70} & -\frac{3i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
280	$\mathbb{G}_{4,-4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{2}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

bra: $[(1/2, 1/2, 1), (1/2, -1/2, 1), (3/2, 3/2, 1), (3/2, 1/2, 1), (3/2, -1/2, 1), (3/2, -3/2, 1)]$

ket: $[(5/2, 5/2, 3), (5/2, 3/2, 3), (5/2, 1/2, 3), (5/2, -1/2, 3), (5/2, -3/2, 3), (5/2, -5/2, 3), (7/2, 7/2, 3), (7/2, 5/2, 3), (7/2, 3/2, 3), (7/2, 1/2, 3), (7/2, -1/2, 3), (7/2, -3/2, 3), (7/2, -5/2, 3), (7/2, -7/2, 3)]$

no.	type	basis
281	$\mathbb{Q}_{2,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{35} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{35}}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{35}}{35} \end{pmatrix}$
282	$\mathbb{Q}_{2,2}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{7} & \frac{5}{14} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5}{14} & \frac{3\sqrt{10}}{14} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}}{14} & \frac{\sqrt{5}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{7} & \frac{3\sqrt{30}}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}}{14} & -\frac{\sqrt{15}}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}}{14} \end{pmatrix}$
283	$\mathbb{Q}_{2,2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{42} & -\frac{\sqrt{14}}{42} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{42} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}}{21} & -\frac{\sqrt{70}}{42} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{42} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{21} & -\frac{\sqrt{210}}{42} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}}{42} \end{pmatrix}$
284	$\mathbb{Q}_{2,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{35} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
285	$\mathbb{Q}_{2,1}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{3}{7} & -\frac{2\sqrt{3}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{7} & -\frac{5}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}}{7} & -\frac{2\sqrt{5}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3}{7} & \frac{\sqrt{10}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}}{7} & \frac{\sqrt{15}}{7} & 0 \end{pmatrix}$
286	$\mathbb{Q}_{2,1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{14} & \frac{\sqrt{42}}{84} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}}{84} & -\frac{\sqrt{14}}{42} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{14} & \frac{\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{21} & -\frac{\sqrt{70}}{42} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{14} & \frac{\sqrt{35}}{42} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{42} & -\frac{\sqrt{210}}{42} & 0 \end{pmatrix}$
287	$\mathbb{Q}_{2,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{21}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{21}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{35} & 0 & 0 & 0 & 0 \end{pmatrix}$
288	$\mathbb{Q}_{2,0}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{15}}{7} & \frac{3\sqrt{6}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{6}}{14} & \frac{3\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{2}}{7} & -\frac{3\sqrt{6}}{14} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{6}}{14} & -\frac{\sqrt{15}}{7} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
289	$\mathbb{Q}_{2,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{210}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}}{42} & 0 & 0 & 0 \end{pmatrix}$
290	$\mathbb{Q}_{2,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & -\frac{\sqrt{210}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{210}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
291	$\mathbb{Q}_{2,-1}^{(a)}(1,1)$	$\begin{pmatrix} 0 & \frac{\sqrt{15}}{7} & -\frac{\sqrt{10}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{10}}{7} & -\frac{3}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{5}}{7} & \frac{\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5}{7} & \frac{2\sqrt{3}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{3}}{7} & \frac{3}{7} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
292	$\mathbb{Q}_{2,-1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & -\frac{\sqrt{210}}{42} & -\frac{\sqrt{35}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{35}}{42} & -\frac{\sqrt{14}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{70}}{42} & -\frac{\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{21} & -\frac{\sqrt{21}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{42} & -\frac{\sqrt{42}}{84} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{84} & -\frac{\sqrt{14}}{14} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
293	$\mathbb{Q}_{2,-2}^{(a)}$	$\begin{pmatrix} \frac{3\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{21}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
294	$\mathbb{Q}_{2,-2}^{(a)}(1, 1)$	$\begin{pmatrix} \frac{\sqrt{15}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{15}}{14} & \frac{\sqrt{10}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{30}}{14} & -\frac{\sqrt{5}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{5}}{7} & -\frac{\sqrt{2}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{10}}{14} & -\frac{5}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{5}{14} & -\frac{\sqrt{3}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
295	$\mathbb{Q}_{2,-2}^{(a)}(1, 0)$	$\begin{pmatrix} \frac{\sqrt{210}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{210}}{42} & \frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{70}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{70}}{42} & \frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{42} & \frac{\sqrt{42}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
296	$\mathbb{Q}_{4,4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{3}}{9} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{3}}{9} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
297	$\mathbb{Q}_{4,4}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}}{45} & \frac{4\sqrt{15}}{135} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{15}}{135} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{135} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
298	$\mathbb{Q}_{4,4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{14} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{42}}{14} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
299	$\mathbb{Q}_{4,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{1}{3} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{1}{3} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{9} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{9} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
300	$\mathbb{Q}_{4,3}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}}{18} & -\frac{\sqrt{5}}{30} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{30} & \frac{2\sqrt{30}}{135} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}}{45} & \frac{\sqrt{15}}{90} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}}{90} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{270} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
301	$\mathbb{Q}_{4,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{70}}{28} & -\frac{3\sqrt{7}}{28} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{7}}{28} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}}{14} & -\frac{3\sqrt{21}}{28} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{21}}{28} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{42}}{28} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
302	$\mathbb{Q}_{4,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{63} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{63} \end{pmatrix}$
303	$\mathbb{Q}_{4,2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{63} & \frac{\sqrt{7}}{63} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{63} & -\frac{\sqrt{70}}{90} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{42} & -\frac{2\sqrt{35}}{315} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{35}}{315} & \frac{\sqrt{210}}{270} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}}{210} & \frac{\sqrt{105}}{945} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}}{945} \end{pmatrix}$
304	$\mathbb{Q}_{4,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{15}}{14} & \frac{3\sqrt{5}}{14} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{5}}{14} & -\frac{3\sqrt{2}}{28} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10}}{28} & \frac{3}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3}{7} & -\frac{3\sqrt{6}}{28} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{15\sqrt{2}}{28} & -\frac{3\sqrt{3}}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{3}}{14} \end{pmatrix}$

continued ...

表 7

no.	type	basis
305	$\mathbb{Q}_{4,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}}{63} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{21} & 0 & 0 \end{pmatrix}$
306	$\mathbb{Q}_{4,1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{63} & -\frac{\sqrt{42}}{378} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{378} & \frac{\sqrt{14}}{42} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{21}}{189} & \frac{\sqrt{7}}{126} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{126} & -\frac{\sqrt{70}}{105} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{63} & -\frac{\sqrt{35}}{630} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{630} & \frac{\sqrt{210}}{630} & 0 \end{pmatrix}$
307	$\mathbb{Q}_{4,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{10}}{14} & -\frac{3\sqrt{30}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{30}}{28} & \frac{3\sqrt{10}}{28} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{5}}{28} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{5}}{28} & \frac{3\sqrt{2}}{14} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10}}{14} & \frac{15}{28} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{15}{28} & -\frac{3\sqrt{6}}{28} & 0 \end{pmatrix}$
308	$\mathbb{Q}_{4,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{21}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{21}}{63} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{21} & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
309	$\mathbb{Q}_{4,0}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{7}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{63} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{63} & 0 & 0 & 0 & 0 \end{pmatrix}$
310	$\mathbb{Q}_{4,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{3\sqrt{5}}{14} & \frac{3\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{2}}{7} & -\frac{3\sqrt{6}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{6}}{14} & -\frac{3\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{2}}{7} & \frac{3\sqrt{5}}{14} & 0 & 0 & 0 & 0 \end{pmatrix}$
311	$\mathbb{Q}_{4,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
312	$\mathbb{Q}_{4,-1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & \frac{\sqrt{210}}{630} & \frac{\sqrt{35}}{630} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{35}}{630} & \frac{\sqrt{14}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{70}}{105} & -\frac{\sqrt{7}}{126} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{126} & -\frac{4\sqrt{21}}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{42} & \frac{\sqrt{42}}{378} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}}{378} & \frac{\sqrt{14}}{63} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
313	$\mathbb{Q}_{4,-1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -\frac{3\sqrt{6}}{28} & -\frac{15}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{15}{28} & \frac{3\sqrt{10}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{2}}{14} & \frac{3\sqrt{5}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{5}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10}}{28} & \frac{3\sqrt{30}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{30}}{28} & -\frac{3\sqrt{10}}{14} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
314	$\mathbb{Q}_{4,-2}^{(a)}$	$\begin{pmatrix} -\frac{\sqrt{21}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{21}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
315	$\mathbb{Q}_{4,-2}^{(a)}(1, 0)$	$\begin{pmatrix} -\frac{\sqrt{105}}{945} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{105}}{945} & -\frac{\sqrt{70}}{210} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{210}}{270} & \frac{2\sqrt{35}}{315} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{35}}{315} & \frac{\sqrt{14}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{70}}{90} & -\frac{\sqrt{7}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{63} & -\frac{\sqrt{21}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
316	$\mathbb{Q}_{4,-2}^{(a)}(1, -1)$	$\begin{pmatrix} \frac{3\sqrt{3}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{3}}{14} & -\frac{15\sqrt{2}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{6}}{28} & -\frac{3}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3}{7} & \frac{3\sqrt{10}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{2}}{28} & -\frac{3\sqrt{5}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{5}}{14} & \frac{3\sqrt{15}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
317	$\mathbb{Q}_{4,-3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{3}}{9} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{3}}{9} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{1}{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{1}{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
318	$\mathbb{Q}_{4,-3}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{30}}{270} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{15}}{90} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{15}}{90} & -\frac{\sqrt{10}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{30}}{135} & \frac{\sqrt{5}}{30} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{5}}{30} & \frac{\sqrt{2}}{18} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
319	$\mathbb{Q}_{4,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{42}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{21}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{21}}{28} & -\frac{3\sqrt{14}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{3\sqrt{7}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{7}}{28} & -\frac{3\sqrt{70}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
320	$\mathbb{Q}_{4,-4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{3}}{9} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{3}}{9} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
321	$\mathbb{Q}_{4,-4}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{30}}{135} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{15}}{135} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{4\sqrt{15}}{135} & -\frac{\sqrt{10}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
322	$\mathbb{Q}_{4,-4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{42}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{3\sqrt{14}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
323	$\mathbb{M}_{1,1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{70}}{175} & -\frac{3\sqrt{210}}{350} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{210}}{350} & -\frac{3\sqrt{70}}{175} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{105}}{175} & -\frac{6\sqrt{35}}{175} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{6\sqrt{35}}{175} & -\frac{3\sqrt{14}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{70}}{175} & -\frac{3\sqrt{7}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{7}}{35} & -\frac{3\sqrt{42}}{35} & 0 & 0 \end{pmatrix}$
324	$\mathbb{M}_{1,0}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{3\sqrt{14}}{35} & \frac{6\sqrt{35}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{6\sqrt{35}}{175} & \frac{3\sqrt{105}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{6\sqrt{70}}{175} & \frac{3\sqrt{210}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{210}}{175} & \frac{6\sqrt{70}}{175} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{105}}{175} & \frac{6\sqrt{35}}{175} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{6\sqrt{35}}{175} & \frac{3\sqrt{14}}{35} & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
325	$\mathbb{M}_{1,-1}^{(a)}(1,1)$	$\begin{pmatrix} 0 & \frac{3\sqrt{42}}{35} & -\frac{3\sqrt{7}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{7}}{35} & -\frac{3\sqrt{70}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{14}}{35} & -\frac{6\sqrt{35}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{6\sqrt{35}}{175} & -\frac{3\sqrt{105}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{70}}{175} & -\frac{3\sqrt{210}}{350} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{210}}{350} & -\frac{3\sqrt{70}}{175} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
326	$\mathbb{M}_{3,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}}{14} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}}{14} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{21}}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{21}}{14} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
327	$\mathbb{M}_{3,3}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}}{126} & \frac{\sqrt{7}}{18} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{18} & \frac{2\sqrt{42}}{27} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{63} & -\frac{\sqrt{21}}{54} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}}{54} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}}{378} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
328	$\mathbb{M}_{3,3}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{56} & \frac{3\sqrt{21}}{56} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{21}}{56} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}}{28} & \frac{9\sqrt{7}}{56} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{9\sqrt{7}}{56} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{56} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
329	$\mathbb{M}_{3,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{70}}{35} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
330	$\mathbb{M}_{3,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{14} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}}{14} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}}{14} & 0 \end{pmatrix}$
331	$\mathbb{M}_{3,2}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{63} & -\frac{\sqrt{105}}{63} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{63} & -\frac{\sqrt{42}}{18} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{126} & \frac{2\sqrt{21}}{63} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}}{63} & \frac{\sqrt{14}}{18} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{126} & -\frac{\sqrt{7}}{63} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{63} & 0 \end{pmatrix}$
332	$\mathbb{M}_{3,2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{28} & -\frac{\sqrt{35}}{28} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{28} & \frac{3\sqrt{14}}{56} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{56} & -\frac{\sqrt{7}}{14} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{14} & \frac{3\sqrt{42}}{56} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{14}}{56} & \frac{\sqrt{21}}{28} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{28} & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
333	$\mathbb{M}_{3,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{21}}{35} & \frac{\sqrt{7}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{14}}{35} & \frac{\sqrt{35}}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{35} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}}{35} & \frac{\sqrt{105}}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}}{35} \end{pmatrix}$
334	$\mathbb{M}_{3,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{14} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{14} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{14} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{14} & 0 & 0 \end{pmatrix}$
335	$\mathbb{M}_{3,1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}}{63} & \frac{5\sqrt{14}}{126} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{14}}{126} & \frac{5\sqrt{42}}{126} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}}{63} & -\frac{5\sqrt{21}}{126} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{21}}{126} & -\frac{\sqrt{210}}{63} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}}{63} & \frac{\sqrt{105}}{126} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}}{126} & \frac{\sqrt{70}}{126} & 0 \end{pmatrix}$
336	$\mathbb{M}_{3,1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}}{28} & \frac{\sqrt{42}}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}}{56} & -\frac{5\sqrt{14}}{56} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{56} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{56} & -\frac{\sqrt{70}}{28} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{28} & -\frac{\sqrt{35}}{56} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{56} & \frac{\sqrt{210}}{56} & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
337	$\mathbb{M}_{3,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{6\sqrt{70}}{175} & -\frac{2\sqrt{210}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{210}}{175} & \frac{\sqrt{70}}{175} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{6\sqrt{105}}{175} & -\frac{8\sqrt{35}}{175} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{35}}{175} & \frac{\sqrt{14}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{6\sqrt{70}}{175} & -\frac{4\sqrt{7}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}}{35} & \frac{\sqrt{42}}{35} & 0 & 0 \end{pmatrix}$
338	$\mathbb{M}_{3,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}}{14} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
339	$\mathbb{M}_{3,0}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{35}}{63} & -\frac{2\sqrt{14}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{14}}{63} & -\frac{5\sqrt{42}}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{7}}{63} & \frac{8\sqrt{21}}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{21}}{189} & \frac{5\sqrt{7}}{63} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{42}}{189} & -\frac{2\sqrt{14}}{63} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{14}}{63} & -\frac{\sqrt{35}}{63} & 0 & 0 & 0 & 0 \end{pmatrix}$
340	$\mathbb{M}_{3,0}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{105}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}}{28} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}}{28} & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
341	$\mathbb{M}_{3,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{2\sqrt{21}}{35} & \frac{3\sqrt{210}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{210}}{175} & -\frac{3\sqrt{70}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{105}}{175} & \frac{9\sqrt{35}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{9\sqrt{35}}{175} & -\frac{4\sqrt{105}}{175} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{70}}{175} & \frac{3\sqrt{210}}{175} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{210}}{175} & -\frac{2\sqrt{21}}{35} & 0 & 0 & 0 \end{pmatrix}$
342	$\mathbb{M}_{3,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & -\frac{\sqrt{105}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{105}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{21}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{14} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
343	$\mathbb{M}_{3,-1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & -\frac{\sqrt{70}}{126} & \frac{\sqrt{105}}{126} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{105}}{126} & \frac{\sqrt{42}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{210}}{63} & -\frac{5\sqrt{21}}{126} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{21}}{126} & -\frac{4\sqrt{7}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{42}}{126} & \frac{5\sqrt{14}}{126} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{14}}{126} & \frac{\sqrt{42}}{63} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
344	$\mathbb{M}_{3,-1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & -\frac{\sqrt{210}}{56} & -\frac{\sqrt{35}}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{35}}{56} & -\frac{3\sqrt{14}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{70}}{28} & \frac{\sqrt{7}}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{14}}{56} & \frac{\sqrt{42}}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}}{56} & \frac{3\sqrt{14}}{28} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
345	$\mathbb{M}_{3,-1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -\frac{\sqrt{42}}{35} & -\frac{4\sqrt{7}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{7}}{35} & \frac{6\sqrt{70}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{14}}{35} & -\frac{8\sqrt{35}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{35}}{175} & \frac{6\sqrt{105}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}}{175} & -\frac{2\sqrt{210}}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{210}}{175} & \frac{6\sqrt{70}}{175} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
346	$\mathbb{M}_{3,-2}^{(a)}$	$\begin{pmatrix} \frac{3\sqrt{7}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{7}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{21}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{21}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{105}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
347	$\mathbb{M}_{3,-2}^{(a)}(1, 1)$	$\begin{pmatrix} -\frac{\sqrt{7}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{7}}{63} & -\frac{\sqrt{42}}{126} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{14}}{18} & \frac{2\sqrt{21}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{21}}{63} & \frac{\sqrt{210}}{126} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{42}}{18} & -\frac{\sqrt{105}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{63} & -\frac{\sqrt{35}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
348	$\mathbb{M}_{3,-2}^{(a)}(1, 0)$	$\begin{pmatrix} \frac{\sqrt{21}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{21}}{28} & \frac{5\sqrt{14}}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{42}}{56} & -\frac{\sqrt{7}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{7}}{14} & -\frac{\sqrt{70}}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{14}}{56} & -\frac{\sqrt{35}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{28} & -\frac{\sqrt{105}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
349	$\mathbb{M}_{3,-2}^{(a)}(1, -1)$	$\begin{pmatrix} \frac{\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{105}}{35} & -\frac{2\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{35}}{35} & -\frac{4\sqrt{14}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{35} & -\frac{2\sqrt{21}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
350	$\mathbb{M}_{3,-3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{21}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{21}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{3\sqrt{7}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{7}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
351	$\mathbb{M}_{3,-3}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{42}}{378} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{21}}{54} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{21}}{54} & -\frac{\sqrt{14}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{42}}{27} & \frac{\sqrt{7}}{18} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{7}}{18} & \frac{\sqrt{70}}{126} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
352	$\mathbb{M}_{3,-3}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{3\sqrt{14}}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{9\sqrt{7}}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{9\sqrt{7}}{56} & \frac{\sqrt{42}}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{3\sqrt{21}}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{21}}{56} & \frac{\sqrt{210}}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
353	$\mathbb{M}_{3,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{210}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
354	$\mathbb{M}_{5,5}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{6}}{9} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
355	$\mathbb{M}_{5,4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}}{15} & -\frac{2\sqrt{15}}{45} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{15}}{45} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}}{45} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
356	$\mathbb{M}_{5,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{2}}{9} & \frac{4\sqrt{5}}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{5}}{45} & -\frac{2\sqrt{30}}{135} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{10}}{45} & -\frac{4\sqrt{15}}{135} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{15}}{135} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}}{135} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
357	$\mathbb{M}_{5,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2}{9} & -\frac{\sqrt{3}}{9} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}}{9} & \frac{\sqrt{30}}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{9} & \frac{2\sqrt{15}}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}}{45} & -\frac{\sqrt{10}}{45} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{45} & -\frac{\sqrt{5}}{45} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{45} \end{pmatrix}$
358	$\mathbb{M}_{5,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{21}}{63} & \frac{4\sqrt{7}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{7}}{63} & -\frac{2\sqrt{21}}{63} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{14}}{63} & -\frac{2\sqrt{42}}{63} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{42}}{63} & \frac{4\sqrt{105}}{315} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{21}}{63} & \frac{2\sqrt{210}}{315} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}}{315} & -\frac{2\sqrt{35}}{315} & 0 \end{pmatrix}$
359	$\mathbb{M}_{5,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{2\sqrt{7}}{63} & -\frac{\sqrt{70}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{63} & \frac{2\sqrt{210}}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{35}}{63} & \frac{4\sqrt{105}}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{105}}{189} & -\frac{2\sqrt{35}}{63} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}}{189} & -\frac{\sqrt{70}}{63} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{63} & \frac{2\sqrt{7}}{63} & 0 & 0 & 0 & 0 \end{pmatrix}$
360	$\mathbb{M}_{5,-1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & \frac{2\sqrt{35}}{315} & \frac{2\sqrt{210}}{315} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{210}}{315} & -\frac{2\sqrt{21}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{105}}{315} & -\frac{2\sqrt{42}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{42}}{63} & \frac{4\sqrt{14}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{21}}{63} & \frac{4\sqrt{7}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{7}}{63} & -\frac{2\sqrt{21}}{63} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
361	$\mathbb{M}_{5,-2}^{(a)}(1, -1)$	$\begin{pmatrix} -\frac{\sqrt{5}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{5}}{45} & \frac{\sqrt{30}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{10}}{45} & \frac{2\sqrt{15}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{15}}{45} & -\frac{\sqrt{6}}{9} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{30}}{45} & -\frac{\sqrt{3}}{9} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}}{9} & \frac{2}{9} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
362	$\mathbb{M}_{5,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{30}}{135} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{15}}{135} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{4\sqrt{15}}{135} & \frac{4\sqrt{10}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{30}}{135} & \frac{4\sqrt{5}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{5}}{45} & -\frac{2\sqrt{2}}{9} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
363	$\mathbb{M}_{5,-4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{30}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{15}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{15}}{45} & \frac{2\sqrt{10}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
364	$\mathbb{M}_{5,-5}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{6}}{9} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
365	$\mathbb{T}_{2,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{42} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{42} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{42} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{42} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}i}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}i}{14} \end{pmatrix}$
366	$\mathbb{T}_{2,2}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{14} & \frac{5i}{28} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5i}{28} & \frac{3\sqrt{10}i}{28} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}i}{28} & \frac{\sqrt{5}i}{14} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}i}{14} & \frac{3\sqrt{30}i}{28} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}i}{28} & -\frac{\sqrt{15}i}{28} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}i}{28} \end{pmatrix}$
367	$\mathbb{T}_{2,2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}i}{35} & \frac{\sqrt{14}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{7}i}{35} & \frac{\sqrt{70}i}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}i}{35} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{35}i}{35} & \frac{\sqrt{210}i}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{35} \end{pmatrix}$
368	$\mathbb{T}_{2,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}i}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{42} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{42} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
369	$\mathbb{T}_{2,1}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{3i}{14} & -\frac{\sqrt{3}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}i}{7} & -\frac{5i}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}i}{14} & -\frac{\sqrt{5}i}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3i}{14} & \frac{\sqrt{10}i}{14} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}i}{14} & \frac{\sqrt{15}i}{14} & 0 & 0 \end{pmatrix}$
370	$\mathbb{T}_{2,1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}i}{35} & -\frac{\sqrt{42}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}i}{70} & \frac{\sqrt{14}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{21}i}{35} & -\frac{2\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{35} & \frac{\sqrt{70}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}i}{35} & -\frac{\sqrt{35}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}i}{35} & \frac{\sqrt{210}i}{35} & 0 & 0 \end{pmatrix}$
371	$\mathbb{T}_{2,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{\sqrt{14}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}i}{14} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
372	$\mathbb{T}_{2,0}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{15}i}{14} & \frac{3\sqrt{6}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{6}i}{28} & \frac{3\sqrt{2}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{2}i}{14} & -\frac{3\sqrt{6}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{6}i}{28} & -\frac{\sqrt{15}i}{14} & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
373	$\mathbb{T}_{2,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{210}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{35} & 0 & 0 & 0 \end{pmatrix}$
374	$\mathbb{T}_{2,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & -\frac{\sqrt{210}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{210}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{42}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
375	$\mathbb{T}_{2,-1}^{(a)}(1,1)$	$\begin{pmatrix} 0 & \frac{\sqrt{15}i}{14} & -\frac{\sqrt{10}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{10}i}{14} & -\frac{3i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{5}i}{7} & \frac{\sqrt{2}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5i}{14} & \frac{\sqrt{3}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{7} & \frac{3i}{14} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
376	$\mathbb{T}_{2,-1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & \frac{\sqrt{210}i}{35} & \frac{\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{35}i}{35} & \frac{3\sqrt{14}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{70}i}{35} & \frac{2\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}i}{35} & \frac{3\sqrt{21}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}i}{35} & \frac{\sqrt{42}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}i}{70} & \frac{3\sqrt{14}i}{35} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
377	$\mathbb{T}_{2,-2}^{(a)}$	$\begin{pmatrix} \frac{\sqrt{35}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{35}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{105}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{105}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
378	$\mathbb{T}_{2,-2}^{(a)}(1,1)$	$\begin{pmatrix} \frac{\sqrt{15}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{15}i}{28} & \frac{\sqrt{10}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{30}i}{28} & -\frac{\sqrt{5}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{5}i}{14} & -\frac{\sqrt{2}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{10}i}{28} & -\frac{5i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{5i}{28} & -\frac{\sqrt{3}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
379	$\mathbb{T}_{2,-2}^{(a)}(1,0)$	$\begin{pmatrix} -\frac{\sqrt{210}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{210}i}{35} & -\frac{2\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{70}i}{35} & -\frac{4\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{14}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}i}{35} & -\frac{\sqrt{42}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
380	$\mathbb{T}_{4,4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{3}i}{27} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{3}i}{27} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
381	$\mathbb{T}_{4,4}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}i}{15} & -\frac{4\sqrt{15}i}{45} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{15}i}{45} & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}i}{45} & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \end{pmatrix}$
382	$\mathbb{T}_{4,4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}i}{28} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{42}i}{28} & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \end{pmatrix}$
383	$\mathbb{T}_{4,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{i}{9} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{i}{9} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{27} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{27} & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \end{pmatrix}$
384	$\mathbb{T}_{4,3}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}i}{6} & \frac{\sqrt{5}i}{10} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}i}{10} & -\frac{2\sqrt{30}i}{45} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}i}{15} & -\frac{\sqrt{15}i}{30} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}i}{30} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}i}{90} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
385	$\mathbb{T}_{4,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{70}i}{56} & -\frac{3\sqrt{7}i}{56} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{7}i}{56} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}i}{28} & -\frac{3\sqrt{21}i}{56} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{21}i}{56} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{42}i}{56} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
386	$\mathbb{T}_{4,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{63} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{63} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{63} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{63} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}i}{189} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}i}{189} \end{pmatrix}$
387	$\mathbb{T}_{4,2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{21} & -\frac{\sqrt{7}i}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{21} & \frac{\sqrt{70}i}{30} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}i}{14} & \frac{2\sqrt{35}i}{105} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{35}i}{105} & -\frac{\sqrt{210}i}{90} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}i}{70} & -\frac{\sqrt{105}i}{315} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{315} \end{pmatrix}$
388	$\mathbb{T}_{4,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{15}i}{28} & \frac{3\sqrt{5}i}{28} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{5}i}{28} & -\frac{3\sqrt{2}i}{56} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10}i}{56} & \frac{3i}{14} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3i}{14} & -\frac{3\sqrt{6}i}{56} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{15\sqrt{2}i}{56} & -\frac{3\sqrt{3}i}{28} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{3}i}{28} \end{pmatrix}$

continued ...

表 7

no.	type	basis
389	$\mathbb{T}_{4,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210i}}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210i}}{189} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35i}}{63} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35i}}{63} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7i}}{63} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7i}}{63} & 0 & 0 \end{pmatrix}$
390	$\mathbb{T}_{4,1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14i}}{21} & \frac{\sqrt{42i}}{126} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42i}}{126} & -\frac{\sqrt{14i}}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{21i}}{63} & -\frac{\sqrt{7i}}{42} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7i}}{42} & \frac{\sqrt{70i}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14i}}{21} & \frac{\sqrt{35i}}{210} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35i}}{210} & -\frac{\sqrt{210i}}{210} & 0 & 0 \end{pmatrix}$
391	$\mathbb{T}_{4,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{10i}}{28} & -\frac{3\sqrt{30i}}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{30i}}{56} & \frac{3\sqrt{10i}}{56} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{5i}}{56} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{5i}}{56} & \frac{3\sqrt{2i}}{28} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10i}}{28} & \frac{15i}{56} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{15i}{56} & -\frac{3\sqrt{6i}}{56} & 0 & 0 \end{pmatrix}$
392	$\mathbb{T}_{4,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{\sqrt{14i}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14i}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{21i}}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{21i}}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14i}}{63} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14i}}{63} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
393	$\mathbb{T}_{4,0}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{7}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}i}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}i}{63} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{21} & 0 & 0 & 0 \end{pmatrix}$
394	$\mathbb{T}_{4,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{3\sqrt{5}i}{28} & \frac{3\sqrt{2}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{2}i}{14} & -\frac{3\sqrt{6}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3i}{28} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{6}i}{28} & -\frac{3\sqrt{2}i}{14} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{2}i}{14} & \frac{3\sqrt{5}i}{28} & 0 & 0 & 0 \end{pmatrix}$
395	$\mathbb{T}_{4,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{\sqrt{7}i}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{7}i}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
396	$\mathbb{T}_{4,-1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & -\frac{\sqrt{210}i}{210} & -\frac{\sqrt{35}i}{210} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{35}i}{210} & -\frac{\sqrt{14}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{70}i}{35} & \frac{\sqrt{7}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{42} & \frac{4\sqrt{21}i}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}i}{14} & -\frac{\sqrt{42}i}{126} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}i}{126} & -\frac{\sqrt{14}i}{21} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
397	$\mathbb{T}_{4,-1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -\frac{3\sqrt{6}i}{56} & -\frac{15i}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{15i}{56} & \frac{3\sqrt{10}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{2}i}{28} & \frac{3\sqrt{5}i}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{5}i}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10}i}{56} & \frac{3\sqrt{30}i}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{30}i}{56} & -\frac{3\sqrt{10}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
398	$\mathbb{T}_{4,-2}^{(a)}$	$\begin{pmatrix} -\frac{\sqrt{21}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{21}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{2\sqrt{7}i}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{7}i}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
399	$\mathbb{T}_{4,-2}^{(a)}(1, 0)$	$\begin{pmatrix} \frac{\sqrt{105}i}{315} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{105}i}{315} & \frac{\sqrt{70}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{210}i}{90} & -\frac{2\sqrt{35}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{35}i}{105} & -\frac{\sqrt{14}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{70}i}{30} & \frac{\sqrt{7}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{21} & \frac{\sqrt{21}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
400	$\mathbb{T}_{4,-2}^{(a)}(1, -1)$	$\begin{pmatrix} \frac{3\sqrt{3}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{3}i}{28} & -\frac{15\sqrt{2}i}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{6}i}{56} & -\frac{3i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3i}{14} & \frac{3\sqrt{10}i}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{2}i}{56} & -\frac{3\sqrt{5}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{5}i}{28} & \frac{3\sqrt{15}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
401	$\mathbb{T}_{4,-3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{3}i}{27} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{3}i}{27} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{i}{9} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{i}{9} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
402	$\mathbb{T}_{4,-3}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{30}i}{90} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{15}i}{30} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{15}i}{30} & \frac{\sqrt{10}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{30}i}{45} & -\frac{\sqrt{5}i}{10} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{5}i}{10} & -\frac{\sqrt{2}i}{6} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
403	$\mathbb{T}_{4,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{42}i}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{21}i}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{21}i}{56} & -\frac{3\sqrt{14}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{3\sqrt{7}i}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{7}i}{56} & -\frac{3\sqrt{70}i}{56} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
404	$\mathbb{T}_{4,-4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{3}i}{27} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{3}i}{27} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
405	$\mathbb{T}_{4,-4}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{30}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{4\sqrt{15}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{4\sqrt{15}i}{45} & \frac{\sqrt{10}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
406	$\mathbb{T}_{4,-4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{42}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{3\sqrt{14}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
407	$\mathbb{G}_{1,1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}i}{70} & -\frac{\sqrt{210}i}{140} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}i}{140} & -\frac{\sqrt{70}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{70} & -\frac{\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}i}{35} & -\frac{\sqrt{14}i}{14} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}i}{70} & -\frac{\sqrt{7}i}{14} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{14} & -\frac{\sqrt{42}i}{14} & 0 & 0 \end{pmatrix}$
408	$\mathbb{G}_{1,0}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{14}i}{14} & \frac{\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{35} & \frac{\sqrt{105}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}i}{35} & \frac{\sqrt{210}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{70} & \frac{\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}i}{70} & \frac{\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{35} & \frac{\sqrt{14}i}{14} & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
409	$\mathbb{G}_{1,-1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & \frac{\sqrt{42i}}{14} & -\frac{\sqrt{7i}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{7i}}{14} & -\frac{\sqrt{70i}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{14i}}{14} & -\frac{\sqrt{35i}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35i}}{35} & -\frac{\sqrt{105i}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70i}}{70} & -\frac{\sqrt{210i}}{140} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210i}}{140} & -\frac{\sqrt{70i}}{70} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
410	$\mathbb{G}_{3,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7i}}{28} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7i}}{28} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{21i}}{28} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{21i}}{28} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
411	$\mathbb{G}_{3,3}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70i}}{378} & \frac{\sqrt{7i}}{54} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7i}}{54} & \frac{2\sqrt{42i}}{81} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14i}}{189} & -\frac{\sqrt{21i}}{162} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21i}}{162} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42i}}{1134} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
412	$\mathbb{G}_{3,3}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210i}}{28} & -\frac{3\sqrt{21i}}{28} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{21i}}{28} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42i}}{14} & -\frac{9\sqrt{7i}}{28} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{9\sqrt{7i}}{28} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14i}}{28} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
413	$\mathbb{G}_{3,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}i}{42} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{42} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}i}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
414	$\mathbb{G}_{3,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{28} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{14} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{14} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}i}{28} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{7}i}{28} & 0 \end{pmatrix}$
415	$\mathbb{G}_{3,2}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}i}{189} & -\frac{\sqrt{105}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{189} & -\frac{\sqrt{42}i}{54} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{378} & \frac{2\sqrt{21}i}{189} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}i}{189} & \frac{\sqrt{14}i}{54} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}i}{378} & -\frac{\sqrt{7}i}{189} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{189} & 0 \end{pmatrix}$
416	$\mathbb{G}_{3,2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}i}{14} & \frac{\sqrt{35}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{14} & -\frac{3\sqrt{14}i}{28} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}i}{28} & \frac{\sqrt{7}i}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{7} & -\frac{3\sqrt{42}i}{28} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{14}i}{28} & -\frac{\sqrt{21}i}{14} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{14} & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
417	$\mathbb{G}_{3,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{21} & \frac{\sqrt{7}i}{42} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{42} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{14}i}{21} & \frac{\sqrt{35}i}{42} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{42} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}i}{21} & \frac{\sqrt{105}i}{42} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}i}{42} \end{pmatrix}$
418	$\mathbb{G}_{3,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}i}{28} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{28} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{28} & 0 & 0 & 0 \end{pmatrix}$
419	$\mathbb{G}_{3,1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}i}{189} & \frac{5\sqrt{14}i}{378} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{14}i}{378} & \frac{5\sqrt{42}i}{378} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}i}{189} & -\frac{5\sqrt{21}i}{378} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{21}i}{378} & -\frac{\sqrt{210}i}{189} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}i}{189} & \frac{\sqrt{105}i}{378} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}i}{378} & \frac{\sqrt{70}i}{378} & 0 & 0 \end{pmatrix}$
420	$\mathbb{G}_{3,1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}i}{14} & -\frac{\sqrt{42}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}i}{28} & \frac{5\sqrt{14}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{28} & \frac{\sqrt{70}i}{14} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}i}{14} & \frac{\sqrt{35}i}{28} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{28} & -\frac{\sqrt{210}i}{28} & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
421	$\mathbb{G}_{3,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}i}{35} & -\frac{\sqrt{210}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}i}{105} & \frac{\sqrt{70}i}{210} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}i}{35} & -\frac{4\sqrt{35}i}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{35}i}{105} & \frac{\sqrt{14}i}{42} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}i}{35} & -\frac{2\sqrt{7}i}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{21} & \frac{\sqrt{42}i}{42} & 0 \end{pmatrix}$
422	$\mathbb{G}_{3,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{3\sqrt{14}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}i}{28} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}i}{28} & 0 & 0 & 0 & 0 \end{pmatrix}$
423	$\mathbb{G}_{3,0}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{35}i}{189} & -\frac{2\sqrt{14}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{14}i}{189} & -\frac{5\sqrt{42}i}{567} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{7}i}{189} & \frac{8\sqrt{21}i}{567} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{21}i}{567} & \frac{5\sqrt{7}i}{189} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{42}i}{567} & -\frac{2\sqrt{14}i}{189} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{14}i}{189} & -\frac{\sqrt{35}i}{189} & 0 & 0 & 0 \end{pmatrix}$
424	$\mathbb{G}_{3,0}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{105}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}i}{14} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{14} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
425	$\mathbb{G}_{3,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{21}i}{21} & \frac{\sqrt{210}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{70} & -\frac{\sqrt{70}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{105}i}{105} & \frac{3\sqrt{35}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{35}i}{70} & -\frac{2\sqrt{105}i}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}i}{70} & \frac{\sqrt{210}i}{70} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{70} & -\frac{\sqrt{21}i}{21} & 0 & 0 & 0 \end{pmatrix}$
426	$\mathbb{G}_{3,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & -\frac{\sqrt{105}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{105}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
427	$\mathbb{G}_{3,-1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & -\frac{\sqrt{70}i}{378} & \frac{\sqrt{105}i}{378} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{105}i}{378} & \frac{\sqrt{42}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{210}i}{189} & -\frac{5\sqrt{21}i}{378} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{21}i}{378} & -\frac{4\sqrt{7}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{42}i}{378} & \frac{5\sqrt{14}i}{378} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{14}i}{378} & \frac{\sqrt{42}i}{189} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
428	$\mathbb{G}_{3,-1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & \frac{\sqrt{210}i}{28} & \frac{\sqrt{35}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{35}i}{28} & \frac{3\sqrt{14}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{70}i}{14} & -\frac{\sqrt{7}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{14}i}{28} & -\frac{\sqrt{42}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}i}{28} & -\frac{3\sqrt{14}i}{14} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
429	$\mathbb{G}_{3,-1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -\frac{\sqrt{42}i}{42} & -\frac{2\sqrt{7}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{7}i}{21} & \frac{\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{14}i}{42} & -\frac{4\sqrt{35}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{35}i}{105} & \frac{\sqrt{105}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}i}{210} & -\frac{\sqrt{210}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}i}{105} & \frac{\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
430	$\mathbb{G}_{3,-2}^{(a)}$	$\begin{pmatrix} \frac{3\sqrt{7}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{7}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{21}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{21}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{105}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
431	$\mathbb{G}_{3,-2}^{(a)}(1, 1)$	$\begin{pmatrix} -\frac{\sqrt{7}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{7}i}{189} & -\frac{\sqrt{42}i}{378} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{14}i}{54} & \frac{2\sqrt{21}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{21}i}{189} & \frac{\sqrt{210}i}{378} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{42}i}{54} & -\frac{\sqrt{105}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{189} & -\frac{\sqrt{35}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
432	$\mathbb{G}_{3,-2}^{(a)}(1, 0)$	$\begin{pmatrix} -\frac{\sqrt{21}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{21}i}{14} & -\frac{5\sqrt{14}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{42}i}{28} & \frac{\sqrt{7}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{7}i}{7} & \frac{\sqrt{70}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{14}i}{28} & \frac{\sqrt{35}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{14} & \frac{\sqrt{105}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
433	$\mathbb{G}_{3,-2}^{(a)}(1, -1)$	$\begin{pmatrix} \frac{\sqrt{105}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{105}i}{42} & -\frac{\sqrt{70}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{35}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{35}i}{42} & -\frac{2\sqrt{14}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{42} & -\frac{\sqrt{21}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
434	$\mathbb{G}_{3,-3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{21}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{21}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{3\sqrt{7}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{7}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
435	$\mathbb{G}_{3,-3}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{42}i}{1134} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{21}i}{162} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{21}i}{162} & -\frac{\sqrt{14}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{42}i}{81} & \frac{\sqrt{7}i}{54} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{7}i}{54} & \frac{\sqrt{70}i}{378} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
436	$\mathbb{G}_{3,-3}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{14}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{9\sqrt{7}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{9\sqrt{7}i}{28} & -\frac{\sqrt{42}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{3\sqrt{21}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{21}i}{28} & -\frac{\sqrt{210}i}{28} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
437	$\mathbb{G}_{3,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{70}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{210}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{42}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
438	$\mathbb{G}_{5,5}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{6}i}{27} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
439	$\mathbb{G}_{5,4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}i}{45} & -\frac{2\sqrt{15}i}{135} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{15}i}{135} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}i}{135} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
440	$\mathbb{G}_{5,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{2}i}{27} & \frac{4\sqrt{5}i}{135} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{5}i}{135} & -\frac{2\sqrt{30}i}{405} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{10}i}{135} & -\frac{4\sqrt{15}i}{405} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{15}i}{405} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}i}{405} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

no.	type	basis
441	$\mathbb{G}_{5,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2i}{27} & -\frac{\sqrt{3}i}{27} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}i}{27} & \frac{\sqrt{30}i}{135} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{27} & \frac{2\sqrt{15}i}{135} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{135} & -\frac{\sqrt{10}i}{135} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}i}{135} & -\frac{\sqrt{5}i}{135} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{135} \end{pmatrix}$
442	$\mathbb{G}_{5,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{21}i}{189} & \frac{4\sqrt{7}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{7}i}{189} & -\frac{2\sqrt{21}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{14}i}{189} & -\frac{2\sqrt{42}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{42}i}{189} & \frac{4\sqrt{105}i}{945} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{21}i}{189} & \frac{2\sqrt{210}i}{945} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}i}{945} & -\frac{2\sqrt{35}i}{945} & 0 & 0 \end{pmatrix}$
443	$\mathbb{G}_{5,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{2\sqrt{7}i}{189} & -\frac{\sqrt{70}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}i}{189} & \frac{2\sqrt{210}i}{567} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{35}i}{189} & \frac{4\sqrt{105}i}{567} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{105}i}{567} & -\frac{2\sqrt{35}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}i}{567} & -\frac{\sqrt{70}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}i}{189} & \frac{2\sqrt{7}i}{189} & 0 & 0 & 0 \end{pmatrix}$
444	$\mathbb{G}_{5,-1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & \frac{2\sqrt{35}i}{945} & \frac{2\sqrt{210}i}{945} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{210}i}{945} & -\frac{2\sqrt{21}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{105}i}{945} & -\frac{2\sqrt{42}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{42}i}{189} & \frac{4\sqrt{14}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{21}i}{189} & \frac{4\sqrt{7}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{7}i}{189} & -\frac{2\sqrt{21}i}{189} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 7

[illegible]

bra: $[(3/2, 3/2, 2), (3/2, 1/2, 2), (3/2, -1/2, 2), (3/2, -3/2, 2), (5/2, 5/2, 2), (5/2, 3/2, 2), (5/2, 1/2, 2), (5/2, -1/2, 2), (5/2, -3/2, 2), (5/2, -5/2, 2)]$
ket: $[(3/2, 3/2, 2), (3/2, 1/2, 2), (3/2, -1/2, 2), (3/2, -3/2, 2), (5/2, 5/2, 2), (5/2, 3/2, 2), (5/2, 1/2, 2), (5/2, -1/2, 2), (5/2, -3/2, 2), (5/2, -5/2, 2)]$

no.	type	basis
449	$\mathbb{Q}_0^{(a)}$	$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{pmatrix}$
450	$\mathbb{Q}_0^{(a)}(1, 1)$	$\begin{pmatrix} \frac{2\sqrt{3}}{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{3}}{3} & \frac{2\sqrt{3}}{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{3}}{3} & \frac{\sqrt{3}}{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{3}}{3} & \sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \sqrt{2} & -\frac{\sqrt{3}}{3} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}}{3} & \frac{2\sqrt{3}}{3} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{3} & -\frac{2\sqrt{3}}{3} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{3} & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
451	$\mathbb{Q}_{2,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{2}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
452	$\mathbb{Q}_{2,2}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{3\sqrt{14}}{49} & -\frac{5\sqrt{21}}{49} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{21}}{49} & -\frac{15\sqrt{14}}{49} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}}{49} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{15\sqrt{14}}{49} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}}{49} & \frac{5\sqrt{21}}{49} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{21}}{49} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{49} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
453	$\mathbb{Q}_{2,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 2 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \sqrt{6} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{6} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
454	$\mathbb{Q}_{2,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{\sqrt{6}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{6}}{7} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{1}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{1}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{1}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{1}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis									
455	$\mathbb{Q}_{2,1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & -\frac{3\sqrt{14}}{49} & \frac{6\sqrt{14}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{6\sqrt{14}}{49} & \frac{10\sqrt{21}}{49} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{6\sqrt{14}}{49} & -\frac{4\sqrt{21}}{49} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{21}}{49} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{21}}{49} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{21}}{49} & -\frac{10\sqrt{21}}{49} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{6\sqrt{14}}{49} & \frac{6\sqrt{14}}{49} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{6\sqrt{14}}{49} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}}{49} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$									
456	$\mathbb{Q}_{2,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -2 & -1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -1 & -\frac{\sqrt{6}}{2} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{2} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{2} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{2} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & -1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 2 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$									

continued ...

表 8

no.	type	basis
457	$\mathbb{Q}_{2,0}^{(a)}$	$\begin{pmatrix} -\frac{2}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{1}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{1}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2}{7} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{1}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{1}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2}{7} & 0 \end{pmatrix}$
458	$\mathbb{Q}_{2,0}^{(a)}(1,1)$	$\begin{pmatrix} -\frac{3\sqrt{21}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{21}}{49} & -\frac{6\sqrt{21}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{6\sqrt{21}}{49} & \frac{6\sqrt{21}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{6\sqrt{21}}{49} & \frac{6\sqrt{14}}{49} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{6\sqrt{14}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{6\sqrt{14}}{49} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{6\sqrt{14}}{49} & -\frac{6\sqrt{21}}{49} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{6\sqrt{21}}{49} & -\frac{6\sqrt{21}}{49} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{6\sqrt{21}}{49} & \frac{3\sqrt{21}}{49} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{21}}{49} & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
459	$\mathbb{Q}_{2,0}^{(a)}(1, -1)$	$\begin{pmatrix} \frac{2\sqrt{6}}{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{6}}{3} & -\frac{\sqrt{6}}{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{6}}{3} & \frac{\sqrt{6}}{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{6}}{3} & -1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -1 & -\frac{\sqrt{6}}{3} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{3} & -\frac{\sqrt{6}}{3} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{3} & -\frac{2\sqrt{6}}{3} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{6}}{3} \end{pmatrix}$
460	$\mathbb{Q}_{2,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{6}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{6}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{1}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{1}{7} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{1}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{1}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{7} & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
461	$\mathbb{Q}_{2,-1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{14}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{6\sqrt{14}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{6\sqrt{14}}{49} & -\frac{6\sqrt{14}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{10\sqrt{21}}{49} & \frac{4\sqrt{21}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{21}}{49} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{4\sqrt{21}}{49} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{21}}{49} & \frac{6\sqrt{14}}{49} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{21}}{49} & -\frac{6\sqrt{14}}{49} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{6\sqrt{14}}{49} & -\frac{3\sqrt{14}}{49} & 0 \end{pmatrix}$
462	$\mathbb{Q}_{2,-1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 2 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -1 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{6}}{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{6}}{2} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{2} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{2} & -1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & -2 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
463	$\mathbb{Q}_{2,-2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{6}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{6}}{7} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{2}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2}{7} & 0 & 0 & 0 & 0 \end{pmatrix}$
464	$\mathbb{Q}_{2,-2}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{14}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{5\sqrt{21}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{5\sqrt{21}}{49} & -\frac{2\sqrt{21}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{15\sqrt{14}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}}{49} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{15\sqrt{14}}{49} & \frac{5\sqrt{21}}{49} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{21}}{49} & \frac{3\sqrt{14}}{49} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
465	$\mathbb{Q}_{2,-2}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 2 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \sqrt{6} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \sqrt{6} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 2 & 0 & 0 & 0 & 0 \end{pmatrix}$
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
467	$\mathbb{Q}_{4,4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{10}}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{10}}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
468	$\mathbb{Q}_{4,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
469	$\mathbb{Q}_{4,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{30}}{14} & \frac{3\sqrt{5}}{14} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{5}}{14} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{5}}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{5}}{14} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{30}}{14} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
470	$\mathbb{Q}_{4,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{\sqrt{15}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
471	$\mathbb{Q}_{4,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{9\sqrt{70}}{98} & -\frac{3\sqrt{105}}{49} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{105}}{49} & \frac{3\sqrt{70}}{98} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{105}}{49} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{70}}{98} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{105}}{49} & \frac{3\sqrt{105}}{49} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{105}}{49} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{9\sqrt{70}}{98} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
472	$\mathbb{Q}_{4,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & -\frac{\sqrt{5}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{5}}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis									
473	$\mathbb{Q}_{4,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & \frac{3\sqrt{35}}{49} & \frac{9\sqrt{35}}{98} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{9\sqrt{35}}{98} & -\frac{3\sqrt{210}}{98} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{6\sqrt{35}}{49} & -\frac{3\sqrt{210}}{98} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{210}}{98} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{210}}{98} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{210}}{98} & \frac{3\sqrt{210}}{98} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{6\sqrt{35}}{49} & \frac{9\sqrt{35}}{98} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{9\sqrt{35}}{98} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{35}}{49} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$									
		$\begin{pmatrix} \frac{1}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{1}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{4}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{1}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{1}{21} \end{pmatrix}$									

continued ...

表 8

no.	type	basis
475	$\mathbb{Q}_{4,0}^{(a)}(1, -1)$	$\begin{pmatrix} -\frac{6\sqrt{7}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{6\sqrt{7}}{49} & \frac{9\sqrt{7}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{9\sqrt{7}}{49} & \frac{12\sqrt{7}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{12\sqrt{7}}{49} & -\frac{3\sqrt{42}}{49} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{42}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{42}}{49} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{42}}{49} & -\frac{12\sqrt{7}}{49} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{12\sqrt{7}}{49} & \frac{9\sqrt{7}}{49} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{9\sqrt{7}}{49} & \frac{6\sqrt{7}}{49} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{6\sqrt{7}}{49} \end{pmatrix}$
476	$\mathbb{Q}_{4,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{5}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{5}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{30}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{30}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{21} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis										
477	$\mathbb{Q}_{4,-1}^{(a)}(1, -1)$	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{3\sqrt{35}}{49}$	0	0	0	0	0	0	0	0	0	0
		$-\frac{9\sqrt{35}}{98}$	0	0	0	0	0	0	0	0	0	0
		0	$\frac{9\sqrt{35}}{98}$	$\frac{6\sqrt{35}}{49}$	0	0	0	0	0	0	0	0
		0	$\frac{3\sqrt{210}}{98}$	$\frac{3\sqrt{210}}{98}$	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{3\sqrt{210}}{98}$	0	0	0	0	0	0	0
		0	0	0	0	$\frac{3\sqrt{210}}{98}$	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{3\sqrt{210}}{98}$	$-\frac{6\sqrt{35}}{49}$	0	0	0	0
		0	0	0	0	0	$-\frac{3\sqrt{210}}{98}$	$-\frac{9\sqrt{35}}{98}$	0	0	0	0
		0	0	0	0	0	0	0	$\frac{9\sqrt{35}}{98}$	$\frac{3\sqrt{35}}{49}$	0	0
478	$\mathbb{Q}_{4,-2}^{(a)}$	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	0
		0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{15}}{21}$	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{15}}{21}$	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{2\sqrt{10}}{21}$	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{10}}{21}$	0	0	0	0	0	0	0
		0	0	0	0	$\frac{\sqrt{15}}{21}$	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{15}}{21}$	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{15}}{21}$	0	0	0	0

continued ...

表 8

no.	type	basis											
479	$\mathbb{Q}_{4,-2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{9\sqrt{70}}{98} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{3\sqrt{105}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{105}}{49} & \frac{3\sqrt{105}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{70}}{98} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{3\sqrt{105}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{70}}{98} & \frac{3\sqrt{105}}{49} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{105}}{49} & -\frac{9\sqrt{70}}{98} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$											
480	$\mathbb{Q}_{4,-3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$											

continued ...

表 8

no.	type	basis
481	$\mathbb{Q}_{4,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{3\sqrt{30}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{3\sqrt{5}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{5}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{3\sqrt{5}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{5}}{14} & \frac{3\sqrt{30}}{14} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
482	$\mathbb{Q}_{4,-4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{70}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{70}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
483	$\mathbb{Q}_{4,-4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{3\sqrt{10}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{3\sqrt{10}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
484	$\mathbb{M}_{1,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & -\sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\sqrt{3} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\sqrt{3} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\sqrt{3} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\sqrt{3} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\sqrt{2} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\sqrt{2} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
485	$\mathbb{M}_{1,1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & -\frac{2\sqrt{5}}{35} & \frac{3\sqrt{5}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{5}}{35} & \frac{2\sqrt{30}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{5}}{35} & \frac{\sqrt{30}}{70} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{70} & \frac{6\sqrt{5}}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{35} & -\frac{\sqrt{30}}{70} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{70} & \frac{2\sqrt{30}}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{35} & -\frac{3\sqrt{5}}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{5}}{35} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{35} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
486	$\mathbb{M}_{1,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -\sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\sqrt{2} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\sqrt{2} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\sqrt{2} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
487	$\mathbb{M}_{1,0}^{(a)}$	$\begin{pmatrix} 2 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 2 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -2 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -2 & 0 \end{pmatrix}$
488	$\mathbb{M}_{1,0}^{(a)}(1,1)$	$\begin{pmatrix} -\frac{2\sqrt{10}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{10}}{35} & -\frac{3\sqrt{10}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{10}}{35} & \frac{\sqrt{10}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{10}}{35} & -\frac{\sqrt{15}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{15}}{35} & \frac{2\sqrt{10}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}}{35} & \frac{\sqrt{15}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}}{35} & \frac{\sqrt{10}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}}{35} & \frac{3\sqrt{10}}{35} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10}}{35} & -\frac{2\sqrt{10}}{35} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{10}}{35} & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
489	$\mathbb{M}_{1,0}^{(a)}(1,-1)$	$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 \end{pmatrix}$
490	$\mathbb{M}_{1,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \sqrt{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \sqrt{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \sqrt{3} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \sqrt{3} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
491	$\mathbb{M}_{1,-1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{2\sqrt{5}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{3\sqrt{5}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{3\sqrt{5}}{35} & -\frac{\sqrt{5}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{30}}{35} & -\frac{\sqrt{30}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{30}}{70} & -\frac{2\sqrt{5}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{6\sqrt{5}}{35} & \frac{\sqrt{30}}{70} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{70} & -\frac{\sqrt{5}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{30}}{35} & \frac{3\sqrt{5}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{5}}{35} & \frac{2\sqrt{5}}{35} & 0 & 0 \end{pmatrix}$
492	$\mathbb{M}_{1,-1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
493	$\mathbb{M}_{3,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{5}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{5}}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{5}}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{5}}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
494	$\mathbb{M}_{3,3}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{126} & -\frac{\sqrt{5}}{18} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{18} & -\frac{2\sqrt{5}}{9} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{63} & \frac{\sqrt{5}}{18} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{18} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{126} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
495	$\mathbb{M}_{3,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{2}}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{2}}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
496	$\mathbb{M}_{3,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{3\sqrt{5}}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{5}}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{5}}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{5}}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
497	$M_{3,2}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{30}}{126} & \frac{\sqrt{5}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{21} & \frac{\sqrt{30}}{18} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{21} & -\frac{2\sqrt{30}}{63} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}}{63} & -\frac{\sqrt{30}}{18} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{21} & \frac{\sqrt{5}}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{126} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
498	$M_{3,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{2\sqrt{2}}{7} & -\frac{2\sqrt{3}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{3}}{21} & -\frac{\sqrt{2}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{21} & -\frac{2\sqrt{3}}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{2}}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
499	$\mathbb{M}_{3,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{3\sqrt{3}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{3}}{7} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{3\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{2}}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{2}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{2}}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{3}}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{3}}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
500	$\mathbb{M}_{3,1}^{(a)}(1,1)$	$\begin{pmatrix} 0 & \frac{\sqrt{3}}{63} & -\frac{5\sqrt{3}}{126} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{5\sqrt{3}}{126} & -\frac{5\sqrt{2}}{42} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{3}}{63} & \frac{5\sqrt{2}}{42} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{2}}{42} & \frac{10\sqrt{3}}{63} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{21} & -\frac{5\sqrt{2}}{42} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{2}}{42} & -\frac{5\sqrt{2}}{42} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{3}}{63} & \frac{5\sqrt{3}}{126} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{3}}{126} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}}{63} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
501	$\mathbb{M}_{3,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & \frac{4\sqrt{5}}{35} & \frac{4\sqrt{5}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{5}}{35} & -\frac{2\sqrt{30}}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{5}}{35} & \frac{2\sqrt{30}}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{30}}{105} & -\frac{2\sqrt{5}}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{5}}{35} & -\frac{2\sqrt{30}}{105} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}}{105} & -\frac{2\sqrt{30}}{105} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{35} & -\frac{4\sqrt{5}}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}}{35} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}}{35} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
502	$\mathbb{M}_{3,0}^{(a)}$	$\begin{pmatrix} -\frac{3}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{6}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{6}{7} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{6}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{6}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3}{7} \end{pmatrix}$

continued ...

表 8

no.	type	basis
503	$\mathbb{M}_{3,0}^{(a)}(1, 1)$	$\begin{pmatrix} \frac{2}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2}{63} & \frac{5}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{5}{63} & -\frac{8}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{8}{63} & -\frac{5\sqrt{6}}{63} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{5\sqrt{6}}{63} & \frac{4}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4}{21} & \frac{5\sqrt{6}}{63} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{6}}{63} & -\frac{8}{63} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8}{63} & -\frac{5}{63} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5}{63} & \frac{2}{63} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2}{63} \end{pmatrix}$
504	$\mathbb{M}_{3,0}^{(a)}(1, -1)$	$\begin{pmatrix} -\frac{2\sqrt{15}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{15}}{35} & \frac{2\sqrt{15}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{15}}{35} & \frac{\sqrt{15}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{15}}{35} & \frac{\sqrt{10}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{10}}{35} & \frac{2\sqrt{15}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}}{35} & -\frac{\sqrt{10}}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}}{35} & \frac{\sqrt{15}}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}}{35} & -\frac{2\sqrt{15}}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}}{35} & -\frac{2\sqrt{15}}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{15}}{35} \end{pmatrix}$

continued ...

表 8

no.	type	basis
505	$\mathbb{M}_{3,-1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{3\sqrt{3}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{3}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{3\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{3\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{2}}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{3}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{3}}{7} & 0 & 0 \end{pmatrix}$
506	$\mathbb{M}_{3,-1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{3}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{5\sqrt{3}}{126} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{5\sqrt{3}}{126} & \frac{4\sqrt{3}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{5\sqrt{2}}{42} & -\frac{5\sqrt{2}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{5\sqrt{2}}{42} & -\frac{2\sqrt{3}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{10\sqrt{3}}{63} & \frac{5\sqrt{2}}{42} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{2}}{42} & \frac{4\sqrt{3}}{63} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{2}}{42} & -\frac{5\sqrt{3}}{126} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{3}}{126} & -\frac{\sqrt{3}}{63} & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
507	$\mathbb{M}_{3,-1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{5}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{5}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{4\sqrt{5}}{35} & \frac{2\sqrt{5}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{30}}{105} & -\frac{2\sqrt{30}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{30}}{105} & \frac{4\sqrt{5}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{5}}{35} & \frac{2\sqrt{30}}{105} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{30}}{105} & \frac{2\sqrt{5}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}}{105} & \frac{4\sqrt{5}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{5}}{35} & -\frac{4\sqrt{5}}{35} & 0 & 0 \end{pmatrix}$
508	$\mathbb{M}_{3,-2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{3\sqrt{5}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{5}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{3\sqrt{5}}{7} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{5}}{7} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
509	$\mathbb{M}_{3,-2}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{30}}{126} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{5}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{5}}{21} & \frac{\sqrt{5}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{30}}{18} & -\frac{2\sqrt{30}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{30}}{63} & -\frac{\sqrt{5}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{30}}{18} & \frac{\sqrt{5}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{21} & \frac{\sqrt{30}}{126} & 0 & 0 & 0 \end{pmatrix}$
510	$\mathbb{M}_{3,-2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{3}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{3}}{21} & -\frac{2\sqrt{3}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{2}}{7} & \frac{2\sqrt{3}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{2\sqrt{3}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{21} & \frac{2\sqrt{2}}{7} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
511	$\mathbb{M}_{3,-3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{3\sqrt{5}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{5}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{3\sqrt{5}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{5}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{30}}{126} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{5}}{18} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{5}}{18} & \frac{2\sqrt{5}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{5}}{9} & -\frac{\sqrt{5}}{18} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{5}}{18} & -\frac{\sqrt{30}}{126} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
513	$\mathbb{M}_{3,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{3}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{2\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
514	$\mathbb{M}_{5,5}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{35}}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
515	$\mathbb{M}_{5,4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{14}}{21} & \frac{\sqrt{14}}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{14}}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
516	$\mathbb{M}_{5,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}}{63} & -\frac{4\sqrt{7}}{63} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}}{63} & \frac{2\sqrt{7}}{63} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{7}}{63} & \frac{4\sqrt{7}}{63} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{7}}{63} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}}{63} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
517	$\mathbb{M}_{5,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{42}}{63} & \frac{\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{21} & -\frac{\sqrt{42}}{63} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}}{21} & -\frac{2\sqrt{42}}{63} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{42}}{63} & \frac{\sqrt{42}}{63} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}}{21} & \frac{\sqrt{7}}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}}{63} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
518	$\mathbb{M}_{5,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -\frac{\sqrt{6}}{63} & -\frac{2\sqrt{6}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{6}}{63} & \frac{2}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{6}}{63} & \frac{4}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4}{21} & -\frac{4\sqrt{6}}{63} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{6}}{21} & -\frac{4}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4}{21} & \frac{2}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{6}}{63} & \frac{2\sqrt{6}}{63} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{6}}{63} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{63} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
519	$\mathbb{M}_{5,0}^{(a)}(1, -1)$	$\begin{pmatrix} \frac{\sqrt{5}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{5}}{63} & -\frac{2\sqrt{5}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{5}}{63} & -\frac{4\sqrt{5}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{5}}{63} & \frac{2\sqrt{30}}{63} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{30}}{63} & \frac{2\sqrt{5}}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{21} & -\frac{2\sqrt{30}}{63} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{30}}{63} & -\frac{4\sqrt{5}}{63} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}}{63} & \frac{2\sqrt{5}}{63} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{63} & \frac{\sqrt{5}}{63} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{63} & 0 \end{pmatrix}$
520	$\mathbb{M}_{5,-1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{6}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{2\sqrt{6}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{6}}{63} & -\frac{4\sqrt{6}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2}{21} & -\frac{4}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4}{21} & \frac{2\sqrt{6}}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{6}}{63} & \frac{4}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4}{21} & -\frac{4\sqrt{6}}{63} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2}{21} & -\frac{2\sqrt{6}}{63} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{6}}{63} & \frac{\sqrt{6}}{63} & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
521	$M_{5,-2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{42}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{7}}{21} & -\frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{42}}{63} & -\frac{2\sqrt{42}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{42}}{63} & \frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{42}}{63} & \frac{\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{21} & -\frac{\sqrt{42}}{63} & 0 & 0 & 0 \end{pmatrix}$
522	$M_{5,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{2\sqrt{42}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{4\sqrt{7}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{4\sqrt{7}}{63} & -\frac{8\sqrt{7}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{7}}{63} & -\frac{4\sqrt{7}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{7}}{63} & \frac{2\sqrt{42}}{63} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
523	$\mathbb{M}_{5,-4}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{2\sqrt{14}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{14}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{14}}{21} & -\frac{2\sqrt{14}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{2\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
525	$\mathbb{T}_{2,2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{2i}{7} & -\frac{2\sqrt{6}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{6}i}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{21} & -\frac{2i}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2i}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{21} & -\frac{2\sqrt{6}i}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{6}i}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2i}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
526	$\mathbb{T}_{2,1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & -\frac{2i}{7} & \frac{i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{i}{7} & -\frac{2\sqrt{6}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{i}{7} & \frac{\sqrt{6}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{42} & -\frac{2i}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2i}{7} & -\frac{\sqrt{6}i}{42} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{42} & -\frac{2\sqrt{6}i}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{i}{7} & -\frac{i}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{i}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2i}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
527	$\mathbb{T}_{2,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{6}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{6}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{i}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{i}{7} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{i}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{i}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
528	$\mathbb{T}_{2,-1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{i}{7} & \frac{i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{6}i}{21} & \frac{\sqrt{6}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{6}i}{42} & \frac{2i}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2i}{7} & -\frac{\sqrt{6}i}{42} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{42} & \frac{i}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{6}i}{21} & -\frac{i}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{i}{7} & -\frac{2i}{7} & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
529	$\mathbb{T}_{2,-2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{2\sqrt{6}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{6}i}{21} & -\frac{\sqrt{6}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{2i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2i}{7} & \frac{\sqrt{6}i}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{6}i}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{6}i}{21} & \frac{2i}{7} & 0 & 0 & 0 \end{pmatrix}$
530	$\mathbb{T}_{4,4}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}i}{21} & \frac{2\sqrt{14}i}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{14}i}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}i}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
531	$\mathbb{T}_{4,3}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}i}{42} & -\frac{\sqrt{7}i}{14} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{14} & \frac{2\sqrt{7}i}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}i}{21} & \frac{\sqrt{7}i}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{14} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}i}{42} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
532	$\mathbb{T}_{4,2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{2}i}{14} & \frac{\sqrt{3}i}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{21} & -\frac{\sqrt{2}i}{6} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}i}{7} & -\frac{2\sqrt{2}i}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{2}i}{21} & \frac{\sqrt{2}i}{6} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{7} & \frac{\sqrt{3}i}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}i}{14} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
533	$\mathbb{T}_{4,1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & \frac{i}{21} & -\frac{i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{i}{42} & \frac{\sqrt{6}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4i}{21} & \frac{\sqrt{6}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{42} & -\frac{2i}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2i}{7} & -\frac{\sqrt{6}i}{42} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{42} & \frac{\sqrt{6}i}{14} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4i}{21} & \frac{i}{42} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{i}{42} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{i}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
534	$\mathbb{T}_{4,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{5}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{5}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{30}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{30}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}i}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}i}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}i}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
535	$\mathbb{T}_{4,-1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{i}{42} & -\frac{4i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{6}i}{14} & \frac{\sqrt{6}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{6}i}{42} & \frac{2i}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2i}{7} & -\frac{\sqrt{6}i}{42} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{42} & -\frac{4i}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{14} & \frac{i}{42} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{i}{42} & \frac{i}{21} & 0 \end{pmatrix}$
536	$\mathbb{T}_{4,-2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{2}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{3}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{3}i}{21} & -\frac{\sqrt{3}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{2}i}{6} & \frac{2\sqrt{2}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{2}i}{21} & \frac{\sqrt{3}i}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{2}i}{6} & -\frac{\sqrt{3}i}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}i}{21} & -\frac{\sqrt{2}i}{14} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
537	$\mathbb{T}_{4,-3}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{42}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{7}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{7}i}{14} & -\frac{2\sqrt{7}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{7}i}{21} & \frac{\sqrt{7}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{7}i}{14} & \frac{\sqrt{42}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
538	$\mathbb{T}_{4,-4}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{14}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{14}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{14}i}{21} & -\frac{\sqrt{14}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
539	$\mathbb{G}_{1,1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 2i & -i & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & i & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & i & -\frac{\sqrt{6}i}{2} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{2} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{2} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{2} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -i & -i & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & i \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -2i \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
540	$\mathbb{G}_{1,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\sqrt{2}i & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \sqrt{2}i & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\sqrt{3}i & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \sqrt{3}i & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\sqrt{3}i & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \sqrt{3}i & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\sqrt{2}i & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2}i & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
541	$\mathbb{G}_{1,-1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 2i & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -i & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & i & i & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{6}i}{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{6}i}{2} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{2} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{2} & -i & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -i & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & i & -2i & 0 \end{pmatrix}$
542	$\mathbb{G}_{3,3}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{10}i}{14} & \frac{3\sqrt{15}i}{14} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{15}i}{14} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{15}i}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{15}i}{14} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10}i}{14} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
543	$\mathbb{G}_{3,2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{3\sqrt{10}i}{14} & -\frac{\sqrt{15}i}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}i}{7} & \frac{3\sqrt{10}i}{14} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}i}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10}i}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}i}{7} & \frac{\sqrt{15}i}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}i}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10}i}{14} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
544	$\mathbb{G}_{3,1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & -\frac{3i}{7} & \frac{3i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3i}{14} & -\frac{5\sqrt{6}i}{14} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{6i}{7} & -\frac{\sqrt{6}i}{14} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{14} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{14} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{14} & \frac{5\sqrt{6}i}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{6i}{7} & \frac{3i}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3i}{14} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3i}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
545	$\mathbb{G}_{3,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{3\sqrt{3}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{3}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{3\sqrt{2}i}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3\sqrt{2}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{2}i}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{2}i}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{3}i}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{3}i}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
546	$\mathbb{G}_{3,-1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{3i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3i}{14} & \frac{6i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{5\sqrt{6}i}{14} & -\frac{\sqrt{6}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{6}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{14} & -\frac{6i}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{6}i}{14} & \frac{3i}{14} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3i}{14} & \frac{3i}{7} & 0 & 0 \end{pmatrix}$

continued ...

表 8

no.	type	basis
547	$\mathbb{G}_{3,-2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{3\sqrt{10}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{15}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{15}i}{7} & \frac{\sqrt{15}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{10}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{15}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{10}i}{14} & -\frac{\sqrt{15}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}i}{7} & -\frac{3\sqrt{10}i}{14} & 0 & 0 & 0 & 0 \end{pmatrix}$
548	$\mathbb{G}_{3,-3}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{3\sqrt{10}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{3\sqrt{15}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{3\sqrt{15}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{3\sqrt{15}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{15}i}{14} & \frac{3\sqrt{10}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

bra: $[(3/2, 3/2, 2), (3/2, 1/2, 2), (3/2, -1/2, 2), (3/2, -3/2, 2), (5/2, 5/2, 2), (5/2, 3/2, 2), (5/2, 1/2, 2), (5/2, -1/2, 2), (5/2, -3/2, 2), (5/2, -5/2, 2)]$

ket: $[(5/2, 5/2, 3), (5/2, 3/2, 3), (5/2, 1/2, 3), (5/2, -1/2, 3), (5/2, -3/2, 3), (5/2, -5/2, 3), (7/2, 7/2, 3), (7/2, 5/2, 3), (7/2, 3/2, 3), (7/2, 1/2, 3), (7/2, -1/2, 3), (7/2, -3/2, 3), (7/2, -5/2, 3), (7/2, -7/2, 3)]$

no.	type	basis
549	$\mathbb{Q}_{1,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{7} \end{pmatrix}$
550	$\mathbb{Q}_{1,1}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{4\sqrt{35}}{35} & -\frac{6\sqrt{14}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{6\sqrt{14}}{35} & -\frac{4\sqrt{42}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{14}}{35} & -\frac{4\sqrt{42}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{42}}{35} & -\frac{12\sqrt{14}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{21}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{21}}{35} & -\frac{4\sqrt{210}}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{14}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{210}}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{35}}{35} & \frac{2\sqrt{210}}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}}{35} \end{pmatrix}$

continued ...

表 9

no.	type	basis
551	$\mathbb{Q}_{1,1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{7}}{7} & \frac{\sqrt{70}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}}{35} & \frac{\sqrt{210}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{70} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{35}}{35} & \frac{\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}}{35} & \frac{\sqrt{7}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{7} & \frac{\sqrt{42}}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}}{14} \end{pmatrix}$
552	$\mathbb{Q}_{1,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{7} & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis													
553	$\mathbb{Q}_{1,0}^{(a)}(1,1)$	0	$-\frac{4\sqrt{105}}{35}$	$\frac{4\sqrt{70}}{35}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{4\sqrt{70}}{35}$	$\frac{12\sqrt{7}}{35}$	0	0	0	0	0	0	0	0	
		0	0	0	0	$\frac{8\sqrt{7}}{35}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{8\sqrt{7}}{35}$	$\frac{8\sqrt{21}}{35}$	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{4\sqrt{42}}{35}$	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{4\sqrt{42}}{35}$	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{8\sqrt{21}}{35}$	$-\frac{8\sqrt{7}}{35}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{8\sqrt{7}}{35}$	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{12\sqrt{7}}{35}$	$-\frac{4\sqrt{70}}{35}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{70}}{35}$	$-\frac{4\sqrt{105}}{35}$	0	
554	$\mathbb{Q}_{1,0}^{(a)}(1,0)$	0	$\frac{\sqrt{21}}{7}$	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	$\frac{\sqrt{35}}{35}$	0	0	0	0	0	0	0	0	
		0	0	0	$\frac{\sqrt{14}}{7}$	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{\sqrt{105}}{35}$	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{\sqrt{210}}{35}$	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{\sqrt{210}}{35}$	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{\sqrt{105}}{35}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{14}}{7}$	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{35}}{35}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{21}}{7}$	0	

continued ...

表 9

no.	type	basis
555	$\mathbb{Q}_{1,-1}^{(a)}$	$\begin{pmatrix} -\frac{\sqrt{21}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{21}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{14}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{14}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{35} & 0 & 0 & 0 & 0 \end{pmatrix}$
556	$\mathbb{Q}_{1,-1}^{(a)}(1,1)$	$\begin{pmatrix} -\frac{2\sqrt{210}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{210}}{35} & -\frac{4\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{4\sqrt{210}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{4\sqrt{14}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{210}}{35} & \frac{4\sqrt{21}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{21}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{12\sqrt{14}}{35} & \frac{4\sqrt{42}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{42}}{35} & \frac{4\sqrt{14}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{42}}{35} & \frac{6\sqrt{14}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{6\sqrt{14}}{35} & \frac{4\sqrt{35}}{35} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
557	$\mathbb{Q}_{1,-1}^{(a)}(1,0)$	$\begin{pmatrix} -\frac{\sqrt{42}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{42}}{14} & -\frac{\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{7}}{7} & -\frac{2\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{35} & -\frac{3\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}}{70} & -\frac{2\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}}{70} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{70} & -\frac{\sqrt{7}}{7} & 0 & 0 & 0 & 0 \end{pmatrix}$
558	$\mathbb{Q}_{3,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
559	$\mathbb{Q}_{3,3}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}}{63} & \frac{\sqrt{14}}{9} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{9} & \frac{8\sqrt{35}}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{63} & \frac{\sqrt{35}}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{45} & \frac{4\sqrt{210}}{45} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{210}}{315} & -\frac{\sqrt{35}}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{15} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{105} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
560	$\mathbb{Q}_{3,3}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{70} & -\frac{\sqrt{42}}{140} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{140} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{140} & -\frac{\sqrt{105}}{140} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{140} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}}{140} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{140} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}}{140} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
561	$\mathbb{Q}_{3,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{210}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{14}}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{14}}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
562	$\mathbb{Q}_{3,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
563	$\mathbb{Q}_{3,2}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{21}}{63} & -\frac{4\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}}{21} & -\frac{2\sqrt{21}}{9} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}}{21} & \frac{2\sqrt{21}}{63} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}}{63} & -\frac{\sqrt{210}}{45} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{21} & \frac{8\sqrt{35}}{105} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{35}}{105} & \frac{\sqrt{210}}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}}{45} & -\frac{2\sqrt{35}}{35} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{35}}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{35}}{105} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
564	$\mathbb{Q}_{3,2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{35} & \frac{\sqrt{21}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{105} & -\frac{\sqrt{7}}{70} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{210} & \frac{\sqrt{7}}{70} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{70} & -\frac{\sqrt{70}}{140} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{140} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}}{140} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{140} & -\frac{\sqrt{105}}{210} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{210} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}}{210} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis													
565	$\mathbb{Q}_{3,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{35}}{35} & \frac{4\sqrt{105}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{105}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{16\sqrt{105}}{105} & \frac{4\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{210}}{105} & \frac{4\sqrt{21}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{21}}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{21}}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{21}}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{21}}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$													
566	$\mathbb{Q}_{3,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{2\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{21} & 0 \end{pmatrix}$													

continued ...

表 9

no.	type	basis
567	$\mathbb{Q}_{3,1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{4\sqrt{21}}{63} & \frac{2\sqrt{210}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}}{63} & \frac{2\sqrt{70}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{210}}{63} & -\frac{\sqrt{70}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{21} & -\frac{\sqrt{210}}{63} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{21} & -\frac{4\sqrt{14}}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}}{63} & \frac{\sqrt{21}}{9} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{9} & \frac{\sqrt{14}}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{21}}{63} & -\frac{\sqrt{14}}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{21} \end{pmatrix}$
568	$\mathbb{Q}_{3,1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{7}}{35} & -\frac{\sqrt{70}}{350} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{350} & \frac{\sqrt{210}}{210} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}}{350} & -\frac{\sqrt{210}}{2100} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}}{2100} & \frac{\sqrt{70}}{140} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{35}}{175} & \frac{\sqrt{105}}{700} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}}{700} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}}{350} & \frac{\sqrt{7}}{140} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{140} & -\frac{\sqrt{42}}{84} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{35} & -\frac{\sqrt{42}}{420} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{420} \end{pmatrix}$

continued ...

表 9

no.	type	basis
569	$\mathbb{Q}_{3,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{8\sqrt{35}}{35} & -\frac{8\sqrt{14}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{14}}{35} & \frac{4\sqrt{42}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{14}}{35} & -\frac{16\sqrt{42}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{16\sqrt{42}}{105} & \frac{4\sqrt{14}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{16\sqrt{21}}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{16\sqrt{21}}{105} & \frac{4\sqrt{210}}{105} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{14}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{210}}{105} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{35}}{35} & \frac{8\sqrt{210}}{105} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{210}}{105} \end{pmatrix}$
570	$\mathbb{Q}_{3,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & -\frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{35}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{35}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{105} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}}{21} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis													
571	$\mathbb{Q}_{3,0}^{(a)}(1,1)$	0	$\frac{2\sqrt{42}}{63}$	$-\frac{8\sqrt{7}}{63}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{8\sqrt{7}}{63}$	$-\frac{4\sqrt{70}}{63}$	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{7}}{9}$	$\frac{4\sqrt{70}}{63}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{4\sqrt{70}}{63}$	$\frac{2\sqrt{210}}{63}$	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{105}}{63}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{2\sqrt{105}}{63}$	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{2\sqrt{210}}{63}$	$-\frac{4\sqrt{70}}{63}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{4\sqrt{70}}{63}$	$-\frac{2\sqrt{7}}{9}$	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{4\sqrt{70}}{63}$	$\frac{8\sqrt{7}}{63}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{8\sqrt{7}}{63}$	$\frac{2\sqrt{42}}{63}$	0	0
572	$\mathbb{Q}_{3,0}^{(a)}(1,0)$	0	$-\frac{\sqrt{14}}{70}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{\sqrt{210}}{175}$	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{21}}{70}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{70}}{350}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{3\sqrt{35}}{350}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{3\sqrt{35}}{350}$	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{70}}{350}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{21}}{70}$	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{210}}{175}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{14}}{70}$	0	0

continued ...

表 9

no.	type	basis													
573	$\mathbb{Q}_{3,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & \frac{4\sqrt{70}}{35} & \frac{4\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{105}}{35} & -\frac{4\sqrt{42}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{4\sqrt{42}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{42}}{35} & -\frac{8\sqrt{14}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{7}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{7}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{14}}{35} & -\frac{4\sqrt{42}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{42}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{42}}{35} & -\frac{4\sqrt{105}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{105}}{35} & \frac{4\sqrt{70}}{35} & 0 & 0 \end{pmatrix}$													
		$\begin{pmatrix} \frac{\sqrt{14}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{14}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$													

continued ...

表 9

no.	type	basis													
575	$\mathbb{Q}_{3,-1}^{(a)}(1, 1)$	$\frac{\sqrt{14}}{21}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{14}}{21}$	$\frac{4\sqrt{21}}{63}$	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{14}}{7}$	$-\frac{\sqrt{21}}{9}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{21}}{9}$	$-\frac{2\sqrt{210}}{63}$	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{4\sqrt{14}}{21}$	$\frac{\sqrt{35}}{21}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{\sqrt{35}}{21}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{\sqrt{210}}{63}$	$\frac{\sqrt{70}}{21}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{70}}{21}$	$\frac{2\sqrt{210}}{63}$	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{2\sqrt{70}}{21}$	$-\frac{2\sqrt{210}}{63}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{2\sqrt{210}}{63}$	$-\frac{4\sqrt{21}}{63}$	0	0	0	0
576	$\mathbb{Q}_{3,-1}^{(a)}(1, 0)$	$\frac{\sqrt{42}}{420}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{42}}{420}$	$\frac{\sqrt{7}}{35}$	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{42}}{84}$	$-\frac{\sqrt{7}}{140}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{7}}{140}$	$-\frac{\sqrt{70}}{350}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{\sqrt{105}}{700}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{\sqrt{105}}{700}$	$-\frac{2\sqrt{35}}{175}$	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{\sqrt{70}}{140}$	$\frac{\sqrt{210}}{2100}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{210}}{2100}$	$-\frac{\sqrt{70}}{350}$	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{210}}{210}$	$\frac{\sqrt{70}}{350}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{70}}{350}$	$\frac{\sqrt{7}}{35}$	0	0	0	0

continued ...

表 9

no.	type	basis														
577	$\mathbb{Q}_{3,-1}^{(a)}(1, -1)$	$\begin{pmatrix} -\frac{8\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{8\sqrt{210}}{105} & \frac{8\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{4\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{8\sqrt{14}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{210}}{105} & \frac{16\sqrt{21}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{16\sqrt{21}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{14}}{35} & \frac{16\sqrt{42}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{16\sqrt{42}}{105} & -\frac{8\sqrt{14}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{42}}{105} & \frac{8\sqrt{14}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{14}}{35} & -\frac{8\sqrt{35}}{35} & 0 & 0 & 0 & 0 \end{pmatrix}$														
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$														

continued ...

表 9

no.	type	basis															
579	$\mathbb{Q}_{3,-2}^{(a)}(1,1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		$-\frac{2\sqrt{35}}{105}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{2\sqrt{35}}{35}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2\sqrt{35}}{35}$	$\frac{\sqrt{210}}{45}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{210}}{15}$	$-\frac{8\sqrt{35}}{105}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{8\sqrt{35}}{105}$	$-\frac{\sqrt{14}}{21}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{210}}{45}$	$-\frac{2\sqrt{21}}{63}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{21}}{63}$	$-\frac{2\sqrt{7}}{21}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{21}}{9}$	$\frac{4\sqrt{7}}{21}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{4\sqrt{7}}{21}$	$\frac{4\sqrt{21}}{63}$	0	0	0	0	0	0	0
580	$\mathbb{Q}_{3,-2}^{(a)}(1,0)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		$-\frac{\sqrt{105}}{210}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{105}}{210}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{105}}{210}$	$\frac{\sqrt{70}}{140}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{70}}{140}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{\sqrt{42}}{140}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{70}}{140}$	$-\frac{\sqrt{7}}{70}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{7}}{70}$	$-\frac{\sqrt{21}}{210}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{7}}{70}$	$-\frac{\sqrt{21}}{105}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{21}}{105}$	$-\frac{\sqrt{7}}{35}$	0	0	0	0	0	0	0

continued ...

表 9

no.	type	basis
581	$\mathbb{Q}_{3,-2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{8\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{4\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{4\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{21}}{21} & \frac{8\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{4\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{35}}{35} & \frac{16\sqrt{105}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{105}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{105}}{105} & \frac{8\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
582	$\mathbb{Q}_{3,-3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{35}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis															
583	$\mathbb{Q}_{3,-3}^{(a)}(1,1)$	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
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{210}}{105}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{35}}{15}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{35}}{15}$	$\frac{4\sqrt{210}}{315}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{4\sqrt{210}}{45}$	$-\frac{\sqrt{35}}{45}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{35}}{45}$	$\frac{\sqrt{14}}{63}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{8\sqrt{35}}{45}$	$-\frac{\sqrt{14}}{9}$	0	0	0	0	0	0	0	0	0	0	0
584	$\mathbb{Q}_{3,-3}^{(a)}(1,0)$	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	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{70}}{140}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{105}}{140}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{105}}{140}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{\sqrt{105}}{140}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{105}}{140}$	$\frac{\sqrt{42}}{140}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{\sqrt{42}}{140}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{42}}{140}$	$\frac{\sqrt{14}}{70}$	0	0	0	0	0	0	0	0	0

continued ...

表 9

no.	type	basis
585	$\mathbb{Q}_{3,-3}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{14}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{4\sqrt{14}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{4\sqrt{210}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
586	$\mathbb{Q}_{5,5}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{6}}{33} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{6}}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
587	$\mathbb{Q}_{5,5}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{231} & \frac{5\sqrt{5}}{231} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{5}}{231} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{231} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
588	$\mathbb{Q}_{5,5}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{5}}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{30}}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
589	$\mathbb{Q}_{5,4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}}{11} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}}{11} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}}{33} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
590	$\mathbb{Q}_{5,4}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{231} & -\frac{4\sqrt{3}}{231} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{3}}{231} & \frac{5\sqrt{2}}{231} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{3}}{231} & \frac{4\sqrt{2}}{231} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{2}}{231} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{231} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
591	$\mathbb{Q}_{5,4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{5}}{15} & -\frac{4\sqrt{2}}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{2}}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{2}}{15} & -\frac{4\sqrt{3}}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{3}}{15} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{2}}{5} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
592	$\mathbb{Q}_{5,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{2}}{33} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{2}}{33} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}}{33} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}}{33} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{33} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
593	$\mathbb{Q}_{5,3}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{231} & \frac{\sqrt{15}}{231} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}}{231} & -\frac{\sqrt{6}}{77} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{15}}{231} & -\frac{2\sqrt{6}}{231} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{6}}{231} & \frac{2}{77} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2}{77} & \frac{\sqrt{6}}{231} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{231} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2}{231} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
594	$\mathbb{Q}_{5,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{30}}{45} & \frac{8\sqrt{10}}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{10}}{45} & -\frac{8}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{10}}{45} & \frac{8}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8}{45} & -\frac{4\sqrt{6}}{45} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{16\sqrt{6}}{45} & -\frac{8}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8}{15} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{6}}{15} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
595	$\mathbb{Q}_{5,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & \frac{5}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5}{33} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{3}}{33} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{3}}{33} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{11} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{11} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{33} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
596	$\mathbb{Q}_{5,2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}}{231} & -\frac{\sqrt{30}}{693} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{693} & \frac{2\sqrt{10}}{231} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{30}}{693} & \frac{\sqrt{10}}{231} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}}{231} & -\frac{8}{231} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{15}}{231} & -\frac{\sqrt{6}}{231} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{231} & \frac{4}{231} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4}{231} & \frac{\sqrt{6}}{693} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{693} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{693} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
597	$\mathbb{Q}_{5,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{15}}{45} & -\frac{4\sqrt{5}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}}{15} & \frac{4\sqrt{15}}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}}{15} & \frac{2\sqrt{15}}{45} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}}{45} & \frac{2\sqrt{6}}{45} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{10}}{15} & \frac{8}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8}{15} & -\frac{2\sqrt{6}}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{14\sqrt{6}}{45} & -\frac{2}{5} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2}{5} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4}{15} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
598	$\mathbb{Q}_{5,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{5\sqrt{21}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{21}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{20\sqrt{7}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{20\sqrt{7}}{231} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{14}}{77} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{14}}{77} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{210}}{231} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{210}}{231} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{231} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{231} \end{pmatrix}$

continued ...

表 9

no.	type	basis														
599	$\mathbb{Q}_{5,1}^{(a)}(1, 0)$	0	0	0	$-\frac{5\sqrt{7}}{1617}$	$\frac{\sqrt{70}}{3234}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{70}}{3234}$	$-\frac{\sqrt{210}}{693}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{70}}{1617}$	$-\frac{2\sqrt{210}}{4851}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{2\sqrt{210}}{4851}$	$\frac{\sqrt{70}}{231}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{10\sqrt{35}}{1617}$	$\frac{\sqrt{105}}{1617}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{105}}{1617}$	$-\frac{\sqrt{42}}{231}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{5\sqrt{70}}{1617}$	$-\frac{2\sqrt{7}}{1617}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{7}}{1617}$	$\frac{\sqrt{42}}{693}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{7}}{1617}$	$\frac{\sqrt{42}}{9702}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{42}}{9702}$	0
600	$\mathbb{Q}_{5,1}^{(a)}(1, -1)$	0	0	0	$\frac{4\sqrt{42}}{63}$	$\frac{16\sqrt{105}}{315}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{16\sqrt{105}}{315}$	$-\frac{8\sqrt{35}}{105}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{4\sqrt{105}}{63}$	$-\frac{8\sqrt{35}}{105}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{8\sqrt{35}}{105}$	$\frac{4\sqrt{105}}{315}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{4\sqrt{70}}{105}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{4\sqrt{70}}{105}$	$\frac{16\sqrt{7}}{105}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{4\sqrt{105}}{63}$	$\frac{4\sqrt{42}}{45}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{42}}{45}$	$-\frac{4\sqrt{7}}{35}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{42}}{63}$	$-\frac{8\sqrt{7}}{105}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{8\sqrt{7}}{105}$	0

continued ...

表 9

no.	type	basis
601	$\mathbb{Q}_{5,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{5\sqrt{7}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{5\sqrt{7}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{5\sqrt{70}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{70}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{35}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{35}}{231} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{70}}{231} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{70}}{231} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{7}}{231} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{7}}{231} & 0 & 0 \end{pmatrix}$
602	$\mathbb{Q}_{5,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & \frac{\sqrt{35}}{1617} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{5\sqrt{21}}{1617} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{210}}{1617} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{20\sqrt{7}}{1617} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{14}}{539} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{14}}{539} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{20\sqrt{7}}{1617} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}}{1617} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{21}}{1617} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{1617} & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis														
603	$\mathbb{Q}_{5,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -\frac{4\sqrt{210}}{315} & -\frac{4\sqrt{35}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{35}}{63} & \frac{8\sqrt{14}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{35}}{45} & \frac{10\sqrt{14}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{10\sqrt{14}}{63} & -\frac{4\sqrt{42}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{21}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{21}}{63} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{42}}{63} & -\frac{10\sqrt{14}}{63} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{14}}{63} & \frac{4\sqrt{35}}{45} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{14}}{63} & \frac{4\sqrt{35}}{63} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{35}}{63} & -\frac{4\sqrt{210}}{315} & 0 & 0 \end{pmatrix}$														
604	$\mathbb{Q}_{5,-1}^{(a)}$	$\begin{pmatrix} -\frac{\sqrt{35}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{35}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{2\sqrt{210}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{210}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{5\sqrt{14}}{77} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{14}}{77} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{20\sqrt{7}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{20\sqrt{7}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{21}}{231} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{21}}{231} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$														

continued ...

表 9

no.	type	basis														
605	$\mathbb{Q}_{5,-1}^{(a)}(1, 0)$	$-\frac{\sqrt{42}}{9702}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{42}}{9702}$	$-\frac{5\sqrt{7}}{1617}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{42}}{693}$	$\frac{2\sqrt{7}}{1617}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{7}}{1617}$	$\frac{5\sqrt{70}}{1617}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{42}}{231}$	$-\frac{\sqrt{105}}{1617}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{105}}{1617}$	$-\frac{10\sqrt{35}}{1617}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{70}}{231}$	$\frac{2\sqrt{210}}{4851}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{2\sqrt{210}}{4851}$	$\frac{5\sqrt{70}}{1617}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{210}}{693}$	$-\frac{\sqrt{70}}{3234}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{70}}{3234}$	$-\frac{5\sqrt{7}}{1617}$	0	0	0	0
606	$\mathbb{Q}_{5,-1}^{(a)}(1, -1)$	$\frac{8\sqrt{7}}{105}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{8\sqrt{7}}{105}$	$-\frac{4\sqrt{42}}{63}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{4\sqrt{7}}{35}$	$-\frac{4\sqrt{42}}{45}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{4\sqrt{42}}{45}$	$\frac{4\sqrt{105}}{63}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{16\sqrt{7}}{105}$	$\frac{4\sqrt{70}}{105}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{4\sqrt{70}}{105}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{4\sqrt{105}}{315}$	$\frac{8\sqrt{35}}{105}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{8\sqrt{35}}{105}$	$-\frac{4\sqrt{105}}{63}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{8\sqrt{35}}{105}$	$-\frac{16\sqrt{105}}{315}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{16\sqrt{105}}{315}$	$\frac{4\sqrt{42}}{63}$	0	0	0	0

continued ...

表 9

no.	type	basis
607	$\mathbb{Q}_{5,-2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{5}}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{5}}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{5}}{11} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{5}}{11} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{5\sqrt{3}}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{3}}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{5}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5}{33} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
608	$\mathbb{Q}_{5,-2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{6}}{693} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{6}}{693} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{6}}{693} & -\frac{4}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{4}{231} & \frac{\sqrt{6}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{6}}{231} & \frac{2\sqrt{15}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{8}{231} & -\frac{\sqrt{10}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}}{231} & -\frac{4\sqrt{30}}{693} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{10}}{231} & \frac{\sqrt{30}}{693} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{693} & \frac{\sqrt{10}}{231} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
609	$\mathbb{Q}_{5,-2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{4}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{2}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2}{5} & -\frac{14\sqrt{6}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{6}}{15} & -\frac{8}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{8}{15} & \frac{2\sqrt{10}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{6}}{45} & -\frac{2\sqrt{15}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{15}}{45} & \frac{4\sqrt{5}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{15}}{45} & \frac{4\sqrt{5}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{5}}{15} & -\frac{8\sqrt{15}}{45} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
610	$\mathbb{Q}_{5,-3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{5}}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{5}}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{4\sqrt{5}}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{5}}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{5\sqrt{2}}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{2}}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
611	$\mathbb{Q}_{5,-3}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{2}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{6}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{6}}{231} & -\frac{2}{77} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2}{77} & \frac{2\sqrt{6}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{6}}{231} & \frac{2\sqrt{15}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{6}}{77} & -\frac{\sqrt{15}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}}{231} & -\frac{2\sqrt{5}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
612	$\mathbb{Q}_{5,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{4\sqrt{6}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{8}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{8}{15} & -\frac{16\sqrt{6}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{4\sqrt{6}}{45} & -\frac{8}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{8}{45} & -\frac{4\sqrt{10}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{8}{45} & -\frac{8\sqrt{10}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{10}}{45} & \frac{8\sqrt{30}}{45} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
613	$\mathbb{Q}_{5,-4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{15}}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{15}}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{10}}{11} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{10}}{11} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
614	$\mathbb{Q}_{5,-4}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{2\sqrt{3}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{2}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{4\sqrt{2}}{231} & -\frac{4\sqrt{3}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{5\sqrt{2}}{231} & \frac{4\sqrt{3}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{3}}{231} & \frac{\sqrt{30}}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

[illegible]

continued ...

表 9

[illegible]

continued ...

表 9

no.	type	basis													
619	$M_0^{(a)}(1, 1)$	$\begin{pmatrix} 0 & -\frac{\sqrt{14}}{7} & \frac{\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{21}}{21} & \frac{\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{21}}{21} & \frac{2\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}}{105} & \frac{\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{35}}{35} & \frac{\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}}{35} & \frac{2\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}}{35} & \frac{2\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}}{105} & \frac{2\sqrt{21}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{105} & \frac{\sqrt{21}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}}{21} & \frac{\sqrt{14}}{7} & 0 & 0 \end{pmatrix}$													
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$													

continued ...

表 9

no.	type	basis
621	$\mathbb{M}_{2,2}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}}{105} & -\frac{2\sqrt{15}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{15}}{63} & -\frac{2\sqrt{5}}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{15}}{315} & -\frac{\sqrt{5}}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{21} & -\frac{5\sqrt{2}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{2}}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}}{21} & \frac{5\sqrt{3}}{63} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{3}}{63} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{63} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
622	$\mathbb{M}_{2,2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}}{35} & -\frac{2\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{210}}{105} & -\frac{2\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{105}}{105} & -\frac{2\sqrt{42}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{42}}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{42}}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
623	$\mathbb{M}_{2,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{105}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
624	$\mathbb{M}_{2,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{4\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{70}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}}{7} & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
625	$\mathbb{M}_{2,1}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{2\sqrt{2}}{21} & \frac{8\sqrt{5}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{5}}{105} & \frac{4\sqrt{15}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{105} & \frac{4\sqrt{15}}{315} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{15}}{315} & \frac{2\sqrt{5}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{10}}{105} & -\frac{2\sqrt{30}}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}}{105} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{105} & -\frac{2\sqrt{2}}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{2}}{21} & -\frac{10\sqrt{3}}{63} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{2}}{21} & \frac{4\sqrt{3}}{63} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{3}}{63} \end{pmatrix}$
626	$\mathbb{M}_{2,1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{2\sqrt{7}}{7} & \frac{\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}}{35} & -\frac{2\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}}{35} & \frac{2\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}}{105} & -\frac{2\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{105}}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{105}}{105} & -\frac{2\sqrt{42}}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}}{7} & -\frac{\sqrt{42}}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{21} \end{pmatrix}$

continued ...

表 9

no.	type	basis
627	$\mathbb{M}_{2,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{7}}{7} & -\frac{\sqrt{70}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}}{35} & -\frac{\sqrt{210}}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}}{70} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{35}}{35} & -\frac{\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}}{35} & -\frac{\sqrt{7}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}}{7} & -\frac{\sqrt{42}}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{14} \end{pmatrix}$
628	$\mathbb{M}_{2,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{4\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{4\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{70}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{7}}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{7}}{7} & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
629	$\mathbb{M}_{2,0}^{(a)}(1,1)$	$\begin{pmatrix} 0 & \frac{2\sqrt{2}}{21} & -\frac{2\sqrt{3}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{3}}{21} & -\frac{4\sqrt{30}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{3}}{21} & \frac{\sqrt{30}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{105} & -\frac{2\sqrt{10}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{35} & \frac{4\sqrt{15}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{15}}{105} & \frac{2\sqrt{5}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{10}}{105} & \frac{\sqrt{30}}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{105} & \frac{2\sqrt{3}}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{30}}{105} & -\frac{2\sqrt{3}}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{21} & -\frac{2\sqrt{2}}{21} & 0 \end{pmatrix}$
630	$\mathbb{M}_{2,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & \frac{2\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{105}}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}}{7} & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis													
631	$\mathbb{M}_{2,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & \frac{\sqrt{7}}{7} & \frac{\sqrt{42}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{42}}{21} & -\frac{\sqrt{105}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{42}}{21} & \frac{4\sqrt{105}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{105}}{105} & -\frac{\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{35} & \frac{\sqrt{210}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{35} & -\frac{\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{35} & \frac{4\sqrt{105}}{105} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{105}}{105} & -\frac{\sqrt{42}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}}{105} & \frac{\sqrt{42}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}}{21} & -\frac{\sqrt{7}}{7} & 0 & 0 \end{pmatrix}$													
		$\begin{pmatrix} -\frac{4\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{4\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{4\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{35}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$													

continued ...

表 9

no.	type	basis														
633	$\mathbb{M}_{2,-1}^{(a)}(1, 1)$	$\frac{4\sqrt{3}}{63}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{4\sqrt{3}}{63}$	$\frac{2\sqrt{2}}{21}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{10\sqrt{3}}{63}$	$-\frac{2\sqrt{2}}{21}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{2\sqrt{2}}{21}$	$-\frac{2\sqrt{5}}{105}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{2\sqrt{30}}{105}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{30}}{105}$	$-\frac{4\sqrt{10}}{105}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{5}}{21}$	$\frac{4\sqrt{15}}{315}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{4\sqrt{15}}{315}$	$-\frac{2\sqrt{5}}{105}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{4\sqrt{15}}{63}$	$\frac{8\sqrt{5}}{105}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{8\sqrt{5}}{105}$	$\frac{2\sqrt{2}}{21}$	0	0	0	0
634	$\mathbb{M}_{2,-1}^{(a)}(1, 0)$	$-\frac{\sqrt{42}}{21}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{42}}{21}$	$-\frac{2\sqrt{7}}{7}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{2\sqrt{42}}{21}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{2\sqrt{70}}{35}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{2\sqrt{42}}{21}$	$\frac{2\sqrt{105}}{105}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{105}}{105}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{70}}{35}$	$\frac{2\sqrt{210}}{105}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{2\sqrt{210}}{105}$	$\frac{2\sqrt{70}}{35}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{2\sqrt{210}}{105}$	$\frac{\sqrt{70}}{35}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{70}}{35}$	$\frac{2\sqrt{7}}{7}$	0	0	0	0

continued ...

表 9

no.	type	basis														
635	$\mathbb{M}_{2,-1}^{(a)}(1, -1)$	$-\frac{\sqrt{42}}{14}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{42}}{14}$	$\frac{\sqrt{7}}{7}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{\sqrt{7}}{7}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{7}}{7}$	$\frac{2\sqrt{70}}{35}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{\sqrt{105}}{35}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{105}}{35}$	$\frac{3\sqrt{35}}{35}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{210}}{70}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{210}}{70}$	$\frac{2\sqrt{70}}{35}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{70}}{70}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{70}}{70}$	$\frac{\sqrt{7}}{7}$	0	0	0	0
636	$\mathbb{M}_{2,-2}^{(a)}$	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
		$-\frac{4\sqrt{7}}{7}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{4\sqrt{7}}{7}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{4\sqrt{7}}{7}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{4\sqrt{7}}{7}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{4\sqrt{105}}{35}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{4\sqrt{105}}{35}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{4\sqrt{35}}{35}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{4\sqrt{35}}{35}$	0	0	0	0	0	0	0

continued ...

表 9

no.	type	basis														
637	$\mathbb{M}_{2,-2}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{3}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{5\sqrt{3}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{5\sqrt{3}}{63} & \frac{\sqrt{2}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{5\sqrt{2}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{30}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{5\sqrt{2}}{21} & -\frac{\sqrt{5}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{21} & -\frac{2\sqrt{15}}{315} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{21} & -\frac{2\sqrt{15}}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{15}}{63} & -\frac{4\sqrt{5}}{105} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$														
638	$\mathbb{M}_{2,-2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{2\sqrt{42}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{42}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{42}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{42}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{42}}{21} & -\frac{4\sqrt{105}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}}{35} & -\frac{4\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{210}}{105} & -\frac{2\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$														

continued ...

表 9

no.	type	basis
639	$\mathbb{M}_{2,-2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{42}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{7}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{2\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}}{35} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
640	$\mathbb{M}_{4,4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{10}}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{10}}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{15}}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{15}}{15} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
641	$\mathbb{M}_{4,4}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{55}}{363} & \frac{3\sqrt{22}}{121} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{22}}{121} & \frac{10\sqrt{33}}{121} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{22}}{363} & -\frac{2\sqrt{33}}{121} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{33}}{121} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{22}}{363} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
642	$\mathbb{M}_{4,4}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{5}}{75} & \frac{8\sqrt{2}}{75} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{2}}{75} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{2}}{75} & \frac{8\sqrt{3}}{75} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{3}}{75} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{2}}{25} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
643	$\mathbb{M}_{4,4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
644	$\mathbb{M}_{4,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{2}}{3} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{2}}{3} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{5} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}}{5} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
645	$\mathbb{M}_{4,3}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{330}}{363} & -\frac{4\sqrt{110}}{363} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{110}}{363} & -\frac{12\sqrt{11}}{121} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{110}}{121} & \frac{16\sqrt{11}}{363} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{16\sqrt{11}}{363} & \frac{4\sqrt{66}}{121} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{66}}{121} & -\frac{8\sqrt{11}}{363} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{11}}{363} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{66}}{363} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
646	$\mathbb{M}_{4,3}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{30}}{75} & -\frac{\sqrt{10}}{25} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}}{25} & \frac{8}{75} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}}{75} & -\frac{1}{25} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{1}{25} & \frac{4\sqrt{6}}{75} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{6}}{75} & \frac{3}{25} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3}{25} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{25} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
647	$M_{4,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{21} & \frac{\sqrt{14}}{42} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{42} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{14} & \frac{\sqrt{35}}{42} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{42} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}}{42} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}}{42} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}}{42} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
648	$M_{4,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{105}}{105} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{105}}{105} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{105}}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{105}}{35} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis													
649	$\mathbb{M}_{4,2}^{(a)}(1,1)$	0	0	0	0	0	$-\frac{2\sqrt{385}}{847}$	$\frac{\sqrt{1155}}{363}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{1155}}{363}$	$\frac{4\sqrt{385}}{363}$	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{8\sqrt{1155}}{2541}$	$-\frac{\sqrt{385}}{121}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{385}}{121}$	$-\frac{8\sqrt{154}}{363}$	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{2310}}{847}$	$\frac{\sqrt{231}}{121}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{231}}{121}$	$\frac{4\sqrt{154}}{363}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{154}}{847}$	$-\frac{\sqrt{231}}{363}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{231}}{363}$
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{231}}{2541}$
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
650	$\mathbb{M}_{4,2}^{(a)}(1,0)$	0	0	0	0	0	$-\frac{4\sqrt{35}}{175}$	$\frac{4\sqrt{105}}{525}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{4\sqrt{105}}{525}$	$-\frac{2\sqrt{35}}{75}$	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{2\sqrt{105}}{175}$	$-\frac{2\sqrt{35}}{525}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{35}}{525}$	$-\frac{\sqrt{14}}{75}$	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{210}}{175}$	$-\frac{8\sqrt{21}}{525}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{8\sqrt{21}}{525}$	$\frac{\sqrt{14}}{25}$	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{14}}{25}$	$\frac{2\sqrt{21}}{175}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{21}}{175}$
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{21}}{175}$
		0	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 9

no.	type	basis
651	$\mathbb{M}_{4,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{2}{7} & -\frac{2\sqrt{3}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{21} & \frac{1}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{21} & -\frac{1}{7} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{1}{7} & \frac{\sqrt{10}}{42} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{14} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}}{42} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}}{14} & \frac{\sqrt{15}}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
652	$\mathbb{M}_{4,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{4\sqrt{14}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{14}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{35}}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{35}}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}}{105} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}}{105} \end{pmatrix}$

continued ...

表 9

no.	type	basis												
653	$\mathbb{M}_{4,1}^{(a)}(1,1)$	0	0	0	$\frac{10\sqrt{77}}{2541}$	$-\frac{2\sqrt{770}}{847}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{770}}{847}$	$-\frac{\sqrt{2310}}{363}$	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{10\sqrt{770}}{2541}$	$\frac{8\sqrt{2310}}{2541}$	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{8\sqrt{2310}}{2541}$	$\frac{\sqrt{770}}{121}$	0	0	0	0	0
		0	0	0	0	0	0	$\frac{20\sqrt{385}}{2541}$	$-\frac{4\sqrt{1155}}{847}$	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{4\sqrt{1155}}{847}$	$-\frac{\sqrt{462}}{121}$	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{10\sqrt{770}}{2541}$	$\frac{8\sqrt{77}}{847}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{8\sqrt{77}}{847}$	$\frac{\sqrt{462}}{363}$	0	0
		0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{77}}{2541}$	$-\frac{2\sqrt{462}}{2541}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{462}}{2541}$	0
654	$\mathbb{M}_{4,1}^{(a)}(1,0)$	0	0	0	$\frac{4\sqrt{7}}{105}$	$-\frac{2\sqrt{70}}{525}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{70}}{525}$	$\frac{2\sqrt{210}}{175}$	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{70}}{105}$	$\frac{\sqrt{210}}{525}$	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{210}}{525}$	$-\frac{\sqrt{70}}{175}$	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{105}}{525}$	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{105}}{525}$	$-\frac{4\sqrt{42}}{175}$	0	0	0	0
		0	0	0	0	0	0	0	$\frac{2\sqrt{70}}{105}$	$-\frac{\sqrt{7}}{75}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{7}}{75}$	$\frac{3\sqrt{42}}{175}$	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{7}}{105}$	$\frac{\sqrt{42}}{525}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{42}}{525}$	0

continued ...

表 9

no.	type	basis														
655	$M_{4,1}^{(a)}(1, -1)$	$ \begin{pmatrix} 0 & 0 & 0 & \frac{2\sqrt{5}}{21} & \frac{\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}}{7} & -\frac{\sqrt{6}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}}{21} & \frac{\sqrt{6}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{42} & -\frac{\sqrt{2}}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4}{21} & -\frac{\sqrt{3}}{14} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}}{14} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}}{21} & -\frac{\sqrt{5}}{14} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}}{14} & \frac{\sqrt{30}}{42} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{21} & \frac{\sqrt{30}}{42} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{42} & 0 \end{pmatrix} $														
656	$M_{4,0}^{(a)}$	$ \begin{pmatrix} 0 & 0 & -\frac{4\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{70}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}}{21} & 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 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}}{21} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}}{21} & 0 & 0 & 0 \end{pmatrix} $														

continued ...

表 9

no.	type	basis														
657	$\mathbb{M}_{4,0}^{(a)}(1,1)$	0	$-\frac{\sqrt{2310}}{2541}$	$\frac{5\sqrt{385}}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{5\sqrt{385}}{2541}$	$\frac{5\sqrt{154}}{847}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{4\sqrt{385}}{847}$	$-\frac{25\sqrt{154}}{2541}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{25\sqrt{154}}{2541}$	$-\frac{20\sqrt{462}}{2541}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{10\sqrt{231}}{847}$	$\frac{50\sqrt{77}}{2541}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{50\sqrt{77}}{2541}$	$\frac{10\sqrt{231}}{847}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{20\sqrt{462}}{2541}$	$-\frac{25\sqrt{154}}{2541}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{25\sqrt{154}}{2541}$	$-\frac{4\sqrt{385}}{847}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{5\sqrt{154}}{847}$	$\frac{5\sqrt{385}}{2541}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{385}}{2541}$	$\frac{\sqrt{2310}}{2541}$	0	0	0
658	$\mathbb{M}_{4,0}^{(a)}(1,0)$	0	$-\frac{2\sqrt{210}}{525}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{4\sqrt{14}}{105}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{2\sqrt{35}}{75}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{2\sqrt{42}}{105}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{21}}{105}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{2\sqrt{21}}{105}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{2\sqrt{42}}{105}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{2\sqrt{35}}{75}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{14}}{105}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{210}}{525}$	0	0	0

continued ...

表 9

no.	type	basis														
659	$\mathbb{M}_{4,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -\frac{\sqrt{6}}{21} & -\frac{4}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4}{21} & \frac{2\sqrt{10}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{1}{7} & \frac{2\sqrt{10}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}}{105} & \frac{\sqrt{30}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}}{35} & \frac{8\sqrt{5}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{5}}{105} & -\frac{\sqrt{15}}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}}{105} & \frac{2\sqrt{10}}{105} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}}{105} & -\frac{1}{7} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}}{35} & -\frac{4}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4}{21} & \frac{\sqrt{6}}{21} & 0 & 0 \end{pmatrix}$														
660	$\mathbb{M}_{4,-1}^{(a)}$	$\begin{pmatrix} \frac{2\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{210}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{35}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{35}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{42}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{42}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{14}}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{14}}{21} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$														

continued ...

表 9

no.	type	basis													
661	$\mathbb{M}_{4,-1}^{(a)}(1, 1)$	$-\frac{2\sqrt{462}}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{2\sqrt{462}}{2541}$	$-\frac{10\sqrt{77}}{2541}$	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{462}}{363}$	$\frac{8\sqrt{77}}{847}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{8\sqrt{77}}{847}$	$\frac{10\sqrt{770}}{2541}$	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{462}}{121}$	$-\frac{4\sqrt{1155}}{847}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{4\sqrt{1155}}{847}$	$-\frac{20\sqrt{385}}{2541}$	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{770}}{121}$	$\frac{8\sqrt{2310}}{2541}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{8\sqrt{2310}}{2541}$	$\frac{10\sqrt{770}}{2541}$	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{2310}}{363}$	$-\frac{2\sqrt{770}}{847}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{770}}{847}$	$-\frac{10\sqrt{77}}{2541}$	0	0	0
662	$\mathbb{M}_{4,-1}^{(a)}(1, 0)$	$\frac{\sqrt{42}}{525}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{42}}{525}$	$\frac{4\sqrt{7}}{105}$	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{3\sqrt{42}}{175}$	$-\frac{\sqrt{7}}{75}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{7}}{75}$	$-\frac{2\sqrt{70}}{105}$	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{4\sqrt{42}}{175}$	$\frac{\sqrt{105}}{525}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{105}}{525}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{70}}{175}$	$\frac{\sqrt{210}}{525}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{210}}{525}$	$\frac{2\sqrt{70}}{105}$	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{2\sqrt{210}}{175}$	$-\frac{2\sqrt{70}}{525}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{70}}{525}$	$-\frac{4\sqrt{7}}{105}$	0	0	0

continued ...

表 9

no.	type	basis														
663	$\mathbb{M}_{4,-1}^{(a)}(1, -1)$	$\begin{pmatrix} \frac{\sqrt{30}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{30}}{42} & -\frac{2\sqrt{5}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{30}}{42} & -\frac{\sqrt{5}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{5}}{14} & \frac{\sqrt{2}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}}{14} & \frac{4}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}}{14} & \frac{\sqrt{6}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{42} & \frac{\sqrt{2}}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{21} & \frac{\sqrt{2}}{7} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}}{7} & -\frac{2\sqrt{5}}{21} & 0 & 0 & 0 & 0 \end{pmatrix}$														
664	$\mathbb{M}_{4,-2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{2\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{105}}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{8\sqrt{105}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{8\sqrt{105}}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{21}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$														

continued ...

表 9

no.	type	basis															
665	$\mathbb{M}_{4,-2}^{(a)}(1, 1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{2\sqrt{231}}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{231}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{231}}{363}$	$-\frac{4\sqrt{154}}{847}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{4\sqrt{154}}{363}$	$\frac{\sqrt{231}}{121}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{231}}{121}$	$\frac{2\sqrt{2310}}{847}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{8\sqrt{154}}{363}$	$-\frac{\sqrt{385}}{121}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{385}}{121}$	$-\frac{8\sqrt{1155}}{2541}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{4\sqrt{385}}{363}$	$\frac{\sqrt{1155}}{363}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{1155}}{363}$	$\frac{2\sqrt{385}}{847}$	0	0	0	0	0	0	0
666	$\mathbb{M}_{4,-2}^{(a)}(1, 0)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{2\sqrt{21}}{175}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{2\sqrt{21}}{175}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2\sqrt{21}}{175}$	$\frac{\sqrt{14}}{25}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{14}}{25}$	$-\frac{8\sqrt{21}}{525}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{8\sqrt{21}}{525}$	$-\frac{\sqrt{210}}{175}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{14}}{75}$	$-\frac{2\sqrt{35}}{525}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{35}}{525}$	$-\frac{2\sqrt{105}}{175}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{35}}{75}$	$\frac{4\sqrt{105}}{525}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{4\sqrt{105}}{525}$	$\frac{4\sqrt{35}}{175}$	0	0	0	0	0	0	0

continued ...

表 9

no.	type	basis
667	$\mathbb{M}_{4,-2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{15}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{15}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{15}}{21} & -\frac{\sqrt{10}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{10}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{10}}{42} & -\frac{1}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{1}{7} & \frac{\sqrt{3}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{1}{21} & -\frac{2\sqrt{3}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{3}}{21} & \frac{2}{7} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
668	$\mathbb{M}_{4,-3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{2\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{5}}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{5}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{5}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{2\sqrt{2}}{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{2}}{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis															
669	$\mathbb{M}_{4,-3}^{(a)}(1, 1)$	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
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{66}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{8\sqrt{11}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{8\sqrt{11}}{363}$	$-\frac{\sqrt{66}}{121}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{4\sqrt{66}}{121}$	$\frac{16\sqrt{11}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{16\sqrt{11}}{363}$	$\frac{\sqrt{110}}{121}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{12\sqrt{11}}{121}$	$-\frac{4\sqrt{110}}{363}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{4\sqrt{110}}{363}$	$-\frac{\sqrt{330}}{363}$	0	0	0	0	0	0	0	0	0
670	$\mathbb{M}_{4,-3}^{(a)}(1, 0)$	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	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{6}}{25}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{3}{25}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{3}{25}$	$\frac{4\sqrt{6}}{75}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{4\sqrt{6}}{75}$	$-\frac{1}{25}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{1}{25}$	$\frac{\sqrt{10}}{75}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{8}{75}$	$-\frac{\sqrt{10}}{25}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{10}}{25}$	$-\frac{2\sqrt{30}}{75}$	0	0	0	0	0	0	0	0	0

continued ...

表 9

no.	type	basis
671	$\mathbb{M}_{4,-3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{210}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{35}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{35}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{35}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{35}}{42} & -\frac{\sqrt{14}}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{14}}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}}{42} & -\frac{\sqrt{42}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{4\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{4\sqrt{15}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{4\sqrt{10}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{10}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis															
673	$\mathbb{M}_{4,-4}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{2\sqrt{22}}{363} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{33}}{121} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{33}}{121} & -\frac{4\sqrt{22}}{363} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{10\sqrt{33}}{121} & \frac{3\sqrt{22}}{121} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{3\sqrt{22}}{121} & \frac{2\sqrt{55}}{363} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$															
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{2}}{25} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{8\sqrt{3}}{75} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{8\sqrt{3}}{75} & \frac{2\sqrt{2}}{75} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{8\sqrt{2}}{75} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{8\sqrt{2}}{75} & \frac{4\sqrt{5}}{75} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$															

continued ...

表 9

no.	type	basis
675	$\mathbb{M}_{4,-4}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{70}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{70}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{7}}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
676	$\mathbb{M}_{6,6}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{3}}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
677	$\mathbb{M}_{6,5}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{6}}{33} & -\frac{5}{33} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
678	$\mathbb{M}_{6,4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{330}}{363} & \frac{10\sqrt{33}}{363} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{10\sqrt{33}}{363} & -\frac{5\sqrt{22}}{363} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{20\sqrt{33}}{363} & -\frac{10\sqrt{22}}{363} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{22}}{363} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{33}}{363} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
679	$M_{6,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{10\sqrt{33}}{363} & -\frac{5\sqrt{11}}{121} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{11}}{121} & \frac{\sqrt{110}}{121} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{11}}{121} & \frac{2\sqrt{110}}{121} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{110}}{121} & -\frac{2\sqrt{165}}{363} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{165}}{121} & -\frac{\sqrt{110}}{121} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{110}}{121} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{165}}{363} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
680	$M_{6,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{11}}{363} & \frac{20\sqrt{33}}{1089} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{20\sqrt{33}}{1089} & -\frac{10\sqrt{11}}{363} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{40\sqrt{33}}{1089} & -\frac{20\sqrt{11}}{363} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{20\sqrt{11}}{363} & \frac{4\sqrt{110}}{363} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{66}}{363} & \frac{4\sqrt{165}}{363} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{165}}{363} & -\frac{2\sqrt{110}}{363} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{110}}{363} & -\frac{4\sqrt{165}}{1089} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{165}}{1089} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{165}}{1089} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis														
681	$M_{6,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{5\sqrt{11}}{363} & -\frac{5\sqrt{110}}{726} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{110}}{726} & \frac{5\sqrt{330}}{1089} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{110}}{363} & \frac{10\sqrt{330}}{1089} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{10\sqrt{330}}{1089} & -\frac{5\sqrt{110}}{363} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{10\sqrt{55}}{363} & -\frac{5\sqrt{165}}{363} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{165}}{363} & \frac{5\sqrt{66}}{363} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{110}}{363} & \frac{10\sqrt{11}}{363} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{10\sqrt{11}}{363} & -\frac{5\sqrt{66}}{1089} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{11}}{363} & -\frac{5\sqrt{66}}{2178} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{66}}{2178} \end{pmatrix}$														
682	$M_{6,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & \frac{5\sqrt{77}}{2541} & \frac{5\sqrt{462}}{2541} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{5\sqrt{462}}{2541} & -\frac{5\sqrt{1155}}{2541} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{10\sqrt{462}}{2541} & -\frac{10\sqrt{1155}}{2541} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{1155}}{2541} & \frac{20\sqrt{385}}{2541} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{770}}{847} & \frac{10\sqrt{2310}}{2541} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{10\sqrt{2310}}{2541} & -\frac{5\sqrt{770}}{847} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{20\sqrt{385}}{2541} & -\frac{10\sqrt{1155}}{2541} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{1155}}{2541} & \frac{10\sqrt{462}}{2541} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{1155}}{2541} & \frac{5\sqrt{462}}{2541} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{462}}{2541} & -\frac{5\sqrt{77}}{2541} & 0 & 0 \end{pmatrix}$														

continued ...

表 9

no.	type	basis														
683	$\mathbb{M}_{6,-1}^{(a)}(1, -1)$	$-\frac{5\sqrt{66}}{2178}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{66}}{2178}$	$\frac{5\sqrt{11}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{66}}{1089}$	$\frac{10\sqrt{11}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{10\sqrt{11}}{363}$	$-\frac{5\sqrt{110}}{363}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{5\sqrt{66}}{363}$	$-\frac{5\sqrt{165}}{363}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{165}}{363}$	$\frac{10\sqrt{55}}{363}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{110}}{363}$	$\frac{10\sqrt{330}}{1089}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{10\sqrt{330}}{1089}$	$-\frac{5\sqrt{110}}{363}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{5\sqrt{330}}{1089}$	$-\frac{5\sqrt{110}}{726}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{110}}{726}$	$\frac{5\sqrt{11}}{363}$	0	0	0	0
684	$\mathbb{M}_{6,-2}^{(a)}(1, -1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{2\sqrt{165}}{1089}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{4\sqrt{165}}{1089}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{4\sqrt{165}}{1089}$	$\frac{4\sqrt{110}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{2\sqrt{110}}{363}$	$\frac{4\sqrt{165}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{4\sqrt{165}}{363}$	$-\frac{10\sqrt{66}}{363}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{4\sqrt{110}}{363}$	$-\frac{20\sqrt{11}}{363}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{20\sqrt{11}}{363}$	$\frac{40\sqrt{33}}{1089}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{10\sqrt{11}}{363}$	$\frac{20\sqrt{33}}{1089}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{20\sqrt{33}}{1089}$	$-\frac{10\sqrt{11}}{363}$	0	0	0	0	0	0

continued ...

表 9

no.	type	basis															
685	$\mathbb{M}_{6,-3}^{(a)}(1, -1)$	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
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{2\sqrt{165}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{110}}{121}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{110}}{121}$	$\frac{2\sqrt{165}}{121}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{2\sqrt{165}}{363}$	$\frac{2\sqrt{110}}{121}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{110}}{121}$	$-\frac{10\sqrt{11}}{121}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{110}}{121}$	$-\frac{5\sqrt{11}}{121}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{11}}{121}$	$\frac{10\sqrt{33}}{363}$	0	0	0	0	0	0	0	0	0
686	$\mathbb{M}_{6,-4}^{(a)}(1, -1)$	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
		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
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{10\sqrt{33}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{10\sqrt{22}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{10\sqrt{22}}{363}$	$\frac{20\sqrt{33}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{22}}{363}$	$\frac{10\sqrt{33}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{10\sqrt{33}}{363}$	$-\frac{5\sqrt{330}}{363}$	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 9

[illegible]

continued ...

表 9

no.	type	basis
689	$\mathbb{T}_{1,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}i}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}i}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}i}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}i}{7} \end{pmatrix}$
690	$\mathbb{T}_{1,1}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{2\sqrt{35}i}{35} & -\frac{3\sqrt{14}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}i}{35} & -\frac{2\sqrt{42}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{14}i}{35} & -\frac{2\sqrt{42}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{42}i}{35} & -\frac{6\sqrt{14}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{21}i}{35} & -\frac{2\sqrt{210}i}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{14}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}i}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{35}i}{35} & \frac{\sqrt{210}i}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{35} \end{pmatrix}$

continued ...

表 9

no.	type	basis
691	$\mathbb{T}_{1,1}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{7}i}{7} & -\frac{\sqrt{70}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}i}{35} & -\frac{\sqrt{210}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{35}i}{35} & -\frac{\sqrt{105}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}i}{35} & -\frac{\sqrt{7}i}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{7} & -\frac{\sqrt{42}i}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}i}{14} \end{pmatrix}$
692	$\mathbb{T}_{1,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{\sqrt{7}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{7}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{7} & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis													
693	$\mathbb{T}_{1,0}^{(a)}(1,1)$	0	$-\frac{2\sqrt{105}i}{35}$	$\frac{2\sqrt{70}i}{35}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{2\sqrt{70}i}{35}$	$\frac{6\sqrt{7}i}{35}$	0	0	0	0	0	0	0	0	
		0	0	0	0	$\frac{4\sqrt{7}i}{35}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{4\sqrt{7}i}{35}$	$\frac{4\sqrt{21}i}{35}$	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{2\sqrt{42}i}{35}$	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{2\sqrt{42}i}{35}$	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{4\sqrt{21}i}{35}$	$-\frac{4\sqrt{7}i}{35}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{4\sqrt{7}i}{35}$	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{6\sqrt{7}i}{35}$	$-\frac{2\sqrt{70}i}{35}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{70}i}{35}$	$-\frac{2\sqrt{105}i}{35}$	0	
694	$\mathbb{T}_{1,0}^{(a)}(1,0)$	0	$-\frac{\sqrt{21}i}{7}$	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	$-\frac{\sqrt{35}i}{35}$	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{\sqrt{14}i}{7}$	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{\sqrt{105}i}{35}$	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{210}i}{35}$	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{\sqrt{210}i}{35}$	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{\sqrt{105}i}{35}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{14}i}{7}$	0	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{35}i}{35}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{21}i}{7}$	0	0	

continued ...

表 9

no.	type	basis
695	$\mathbb{T}_{1,-1}^{(a)}$	$\begin{pmatrix} -\frac{\sqrt{21}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{21}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{14}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{14}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{35} & 0 & 0 & 0 & 0 \end{pmatrix}$
696	$\mathbb{T}_{1,-1}^{(a)}(1,1)$	$\begin{pmatrix} -\frac{\sqrt{210}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{210}i}{35} & -\frac{2\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{210}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{2\sqrt{14}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{210}i}{35} & \frac{2\sqrt{21}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{6\sqrt{14}i}{35} & \frac{2\sqrt{42}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}i}{35} & \frac{2\sqrt{14}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}i}{35} & \frac{3\sqrt{14}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{14}i}{35} & \frac{2\sqrt{35}i}{35} & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis													
697	$\mathbb{T}_{1,-1}^{(a)}(1,0)$	$\frac{\sqrt{42}i}{14}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{42}i}{14}$	$\frac{\sqrt{7}i}{7}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{\sqrt{7}i}{7}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{7}i}{7}$	$\frac{2\sqrt{70}i}{35}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{\sqrt{105}i}{35}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{105}i}{35}$	$\frac{3\sqrt{35}i}{35}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{210}i}{70}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{210}i}{70}$	$\frac{2\sqrt{70}i}{35}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{70}i}{70}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{70}i}{70}$	$\frac{\sqrt{7}i}{7}$	0	0	0	0
698	$\mathbb{T}_{3,3}^{(a)}$	0	0	0	0	0	0	0	$\frac{\sqrt{14}i}{70}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{\sqrt{14}i}{70}$	0	0	0	0	0
		0	0	0	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	$\frac{\sqrt{35}i}{70}$	0	0	0
		0	0	0	0	0	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	$\frac{\sqrt{35}i}{70}$	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	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

continued ...

表 9

no.	type	basis													
699	$\mathbb{T}_{3,3}^{(a)}(1, 1)$	0	0	0	0	0	0	0	$-\frac{2\sqrt{42}i}{315}$	$\frac{\sqrt{14}i}{45}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{14}i}{45}$	$\frac{8\sqrt{35}i}{225}$	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{14}i}{315}$	$\frac{\sqrt{35}i}{225}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{35}i}{225}$	$\frac{4\sqrt{210}i}{225}$	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{210}i}{1575}$	$-\frac{\sqrt{35}i}{75}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{35}i}{75}$
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{210}i}{525}$
		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	0	0	0	0	0	0	0	0	0	0
700	$\mathbb{T}_{3,3}^{(a)}(1, 0)$	0	0	0	0	0	0	0	$-\frac{\sqrt{14}i}{21}$	$\frac{\sqrt{42}i}{42}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{42}i}{42}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{42}i}{42}$	$\frac{\sqrt{105}i}{42}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{105}i}{42}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{105}i}{42}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{105}i}{42}$
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{70}i}{42}$
		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	0	0	0	0	0	0	0	0	0	0

continued ...

表 9

no.	type	basis
701	$\mathbb{T}_{3,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{14}i}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{14}i}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
702	$\mathbb{T}_{3,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}i}{70} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}i}{70} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}i}{70} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}i}{70} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
703	$\mathbb{T}_{3,2}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{21}i}{315} & -\frac{4\sqrt{7}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}i}{105} & -\frac{2\sqrt{21}i}{45} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}i}{105} & \frac{2\sqrt{21}i}{315} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}i}{315} & -\frac{\sqrt{210}i}{225} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}i}{105} & \frac{8\sqrt{35}i}{525} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{35}i}{525} & \frac{\sqrt{210}i}{75} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}i}{225} & -\frac{2\sqrt{35}i}{175} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{35}i}{175} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{35}i}{525} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
704	$\mathbb{T}_{3,2}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{21} & -\frac{2\sqrt{21}i}{63} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{21}i}{63} & \frac{\sqrt{7}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{21}i}{63} & -\frac{\sqrt{7}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{21} & \frac{\sqrt{70}i}{42} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}i}{42} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}i}{42} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}i}{42} & \frac{\sqrt{105}i}{63} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}i}{63} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{63} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis													
705	$\mathbb{T}_{3,2}^{(a)}(1, -1)$	0	0	0	0	0	$\frac{4\sqrt{35}i}{35}$	$\frac{2\sqrt{105}i}{105}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{2\sqrt{105}i}{105}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{8\sqrt{105}i}{105}$	$\frac{2\sqrt{35}i}{35}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{35}i}{35}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{210}i}{105}$	$\frac{2\sqrt{21}i}{21}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{21}i}{21}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{21}i}{21}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{21}i}{21}$
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{21}i}{21}$
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
706	$\mathbb{T}_{3,1}^{(a)}$	0	0	0	0	$\frac{\sqrt{210}i}{175}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{210}i}{175}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{70}i}{350}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{70}i}{350}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{3\sqrt{35}i}{350}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{3\sqrt{35}i}{350}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{21}i}{70}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{21}i}{70}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{14}i}{70}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{14}i}{70}$

continued ...

表 9

no.	type	basis													
707	$\mathbb{T}_{3,1}^{(a)}(1,1)$	0	0	0	$-\frac{4\sqrt{21}i}{315}$	$\frac{2\sqrt{210}i}{315}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{2\sqrt{210}i}{315}$	$\frac{2\sqrt{70}i}{105}$	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{2\sqrt{210}i}{315}$	$-\frac{\sqrt{70}i}{105}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{\sqrt{70}i}{105}$	$-\frac{\sqrt{210}i}{315}$	0	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{35}i}{105}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{35}i}{105}$	$-\frac{4\sqrt{14}i}{105}$	0	0	
		0	0	0	0	0	0	0	0	$-\frac{2\sqrt{210}i}{315}$	$\frac{\sqrt{21}i}{45}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{21}i}{45}$	$\frac{\sqrt{14}i}{35}$	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{21}i}{315}$	$-\frac{\sqrt{14}i}{105}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{14}i}{105}$	
708	$\mathbb{T}_{3,1}^{(a)}(1,0)$	0	0	0	$-\frac{2\sqrt{7}i}{21}$	$\frac{\sqrt{70}i}{105}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{70}i}{105}$	$-\frac{\sqrt{210}i}{63}$	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{\sqrt{70}i}{105}$	$\frac{\sqrt{210}i}{630}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{\sqrt{210}i}{630}$	$-\frac{\sqrt{70}i}{42}$	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{4\sqrt{35}i}{105}$	$-\frac{\sqrt{105}i}{210}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{105}i}{210}$	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{70}i}{105}$	$-\frac{\sqrt{7}i}{42}$	0	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{7}i}{42}$	$\frac{5\sqrt{42}i}{126}$	0	
		0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{7}i}{21}$	$\frac{\sqrt{42}i}{126}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{42}i}{126}$	

continued ...

表 9

no.	type	basis														
709	$\mathbb{T}_{3,1}^{(a)}(1, -1)$	0	0	0	$-\frac{4\sqrt{35}i}{35}$	$-\frac{4\sqrt{14}i}{35}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{4\sqrt{14}i}{35}$	$\frac{2\sqrt{42}i}{105}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{4\sqrt{14}i}{35}$	$-\frac{8\sqrt{42}i}{105}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{8\sqrt{42}i}{105}$	$\frac{2\sqrt{14}i}{35}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{8\sqrt{21}i}{105}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{8\sqrt{21}i}{105}$	$\frac{2\sqrt{210}i}{105}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{4\sqrt{14}i}{35}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{210}i}{105}$	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{35}i}{35}$	$\frac{4\sqrt{210}i}{105}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{210}i}{105}$	0
710	$\mathbb{T}_{3,0}^{(a)}$	0	0	$-\frac{\sqrt{7}i}{35}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{7}i}{35}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{\sqrt{70}i}{350}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{70}i}{350}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{2\sqrt{35}i}{175}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{2\sqrt{35}i}{175}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{\sqrt{70}i}{350}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{70}i}{350}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{7}i}{35}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{7}i}{35}$	0	0	0

continued ...

表 9

no.	type	basis													
711	$\mathbb{T}_{3,0}^{(a)}(1,1)$	0	$\frac{2\sqrt{42}i}{315}$	$-\frac{8\sqrt{7}i}{315}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{8\sqrt{7}i}{315}$	$-\frac{4\sqrt{70}i}{315}$	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{7}i}{45}$	$\frac{4\sqrt{70}i}{315}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{4\sqrt{70}i}{315}$	$\frac{2\sqrt{210}i}{315}$	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{105}i}{315}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{2\sqrt{105}i}{315}$	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{2\sqrt{210}i}{315}$	$-\frac{4\sqrt{70}i}{315}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{4\sqrt{70}i}{315}$	$-\frac{2\sqrt{7}i}{45}$	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{4\sqrt{70}i}{315}$	$\frac{8\sqrt{7}i}{315}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{8\sqrt{7}i}{315}$	$\frac{2\sqrt{42}i}{315}$	0	0
712	$\mathbb{T}_{3,0}^{(a)}(1,0)$	0	$\frac{\sqrt{14}i}{21}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{2\sqrt{210}i}{105}$	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{21}i}{21}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{70}i}{105}$	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{35}i}{35}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{35}i}{35}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{70}i}{105}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{21}i}{21}$	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{2\sqrt{210}i}{105}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{14}i}{21}$	0	0

continued ...

表 9

no.	type	basis														
713	$\mathbb{T}_{3,0}^{(a)}(1, -1)$	0	$\frac{2\sqrt{70}i}{35}$	$\frac{2\sqrt{105}i}{35}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{105}i}{35}$	$-\frac{2\sqrt{42}i}{35}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{2\sqrt{42}i}{35}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{42}i}{35}$	$-\frac{4\sqrt{14}i}{35}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{4\sqrt{7}i}{35}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{4\sqrt{7}i}{35}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{4\sqrt{14}i}{35}$	$-\frac{2\sqrt{42}i}{35}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{2\sqrt{42}i}{35}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{2\sqrt{42}i}{35}$	$-\frac{2\sqrt{105}i}{35}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{105}i}{35}$	$\frac{2\sqrt{70}i}{35}$	0	0	0
714	$\mathbb{T}_{3,-1}^{(a)}$	$\frac{\sqrt{14}i}{70}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{14}i}{70}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{\sqrt{21}i}{70}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{21}i}{70}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{3\sqrt{35}i}{350}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{3\sqrt{35}i}{350}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{70}i}{350}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{70}i}{350}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{\sqrt{210}i}{175}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{210}i}{175}$	0	0	0	0	0

continued ...

表 9

no.	type	basis													
715	$\mathbb{T}_{3,-1}^{(a)}(1,1)$	$\frac{\sqrt{14}i}{105}$	0	0	0	0	0	0	0	0	0	0	0	0	
		0	$-\frac{\sqrt{14}i}{105}$	$\frac{4\sqrt{21}i}{315}$	0	0	0	0	0	0	0	0	0	0	
		0	$\frac{\sqrt{14}i}{35}$	$-\frac{\sqrt{21}i}{45}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$\frac{\sqrt{21}i}{45}$	$-\frac{2\sqrt{210}i}{315}$	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{4\sqrt{14}i}{105}$	$\frac{\sqrt{35}i}{105}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{35}i}{105}$	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{210}i}{315}$	$\frac{\sqrt{70}i}{105}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{\sqrt{70}i}{105}$	$\frac{2\sqrt{210}i}{315}$	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{2\sqrt{70}i}{105}$	$-\frac{2\sqrt{210}i}{315}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{210}i}{315}$	$-\frac{4\sqrt{21}i}{315}$	0	0	0
716	$\mathbb{T}_{3,-1}^{(a)}(1,0)$	$-\frac{\sqrt{42}i}{126}$	0	0	0	0	0	0	0	0	0	0	0	0	
		0	$\frac{\sqrt{42}i}{126}$	$-\frac{2\sqrt{7}i}{21}$	0	0	0	0	0	0	0	0	0	0	
		0	$\frac{5\sqrt{42}i}{126}$	$\frac{\sqrt{7}i}{42}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{\sqrt{7}i}{42}$	$\frac{\sqrt{70}i}{105}$	0	0	0	0	0	0	0	0	
		0	0	0	0	$\frac{\sqrt{105}i}{210}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{105}i}{210}$	$\frac{4\sqrt{35}i}{105}$	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{70}i}{42}$	$-\frac{\sqrt{210}i}{630}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{\sqrt{210}i}{630}$	$\frac{\sqrt{70}i}{105}$	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{\sqrt{210}i}{63}$	$-\frac{\sqrt{70}i}{105}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{70}i}{105}$	$-\frac{2\sqrt{7}i}{21}$	0	0	0

continued ...

表 9

no.	type	basis
717	$\mathbb{T}_{3,-1}^{(a)}(1, -1)$	$\begin{pmatrix} -\frac{4\sqrt{210}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{4\sqrt{210}i}{105} & \frac{4\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{210}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{4\sqrt{14}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{210}i}{105} & \frac{8\sqrt{21}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{21}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{14}i}{35} & \frac{8\sqrt{42}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{42}i}{105} & -\frac{4\sqrt{14}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{42}i}{105} & \frac{4\sqrt{14}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{14}i}{35} & -\frac{4\sqrt{35}i}{35} & 0 & 0 & 0 & 0 \end{pmatrix}$
718	$\mathbb{T}_{3,-2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{35}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{35}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{21}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis															
719	$\mathbb{T}_{3,-2}^{(a)}(1,1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{2\sqrt{35}i}{525}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{2\sqrt{35}i}{175}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2\sqrt{35}i}{175}$	$\frac{\sqrt{210}i}{225}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{210}i}{75}$	$-\frac{8\sqrt{35}i}{525}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{8\sqrt{35}i}{525}$	$-\frac{\sqrt{14}i}{105}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{210}i}{225}$	$-\frac{2\sqrt{21}i}{315}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{21}i}{315}$	$-\frac{2\sqrt{7}i}{105}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{21}i}{45}$	$\frac{4\sqrt{7}i}{105}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{4\sqrt{7}i}{105}$	$\frac{4\sqrt{21}i}{315}$	0	0	0	0	0	0	0
720	$\mathbb{T}_{3,-2}^{(a)}(1,0)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{105}i}{63}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{105}i}{63}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{105}i}{63}$	$-\frac{\sqrt{70}i}{42}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{70}i}{42}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{\sqrt{42}i}{42}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{70}i}{42}$	$\frac{\sqrt{7}i}{21}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{7}i}{21}$	$\frac{\sqrt{21}i}{63}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{7}i}{21}$	$\frac{2\sqrt{21}i}{63}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{2\sqrt{21}i}{63}$	$\frac{2\sqrt{7}i}{21}$	0	0	0	0	0	0	0

continued ...

表 9

no.	type	basis															
721	$\mathbb{T}_{3,-2}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{21}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{21}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{21}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{21}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{21}i}{21} & \frac{4\sqrt{210}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{2\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{35}i}{35} & \frac{8\sqrt{105}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{105}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{105}i}{105} & \frac{4\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$															
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{35}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{35}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{35}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{35}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{14}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$															

continued ...

表 9

no.	type	basis															
723	$\mathbb{T}_{3,-3}^{(a)}(1,1)$	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
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{210}i}{525}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{35}i}{75}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{35}i}{75}$	$\frac{4\sqrt{210}i}{1575}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{4\sqrt{210}i}{225}$	$-\frac{\sqrt{35}i}{225}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{35}i}{225}$	$\frac{\sqrt{14}i}{315}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{8\sqrt{35}i}{225}$	$-\frac{\sqrt{14}i}{45}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{14}i}{45}$	$-\frac{2\sqrt{42}i}{315}$	0	0	0	0	0	0	0	0	0
724	$\mathbb{T}_{3,-3}^{(a)}(1,0)$	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	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{70}i}{42}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{105}i}{42}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{105}i}{42}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{\sqrt{105}i}{42}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{105}i}{42}$	$-\frac{\sqrt{42}i}{42}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{\sqrt{42}i}{42}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{42}i}{42}$	$-\frac{\sqrt{14}i}{21}$	0	0	0	0	0	0	0	0	0

continued ...

表 9

no.	type	basis
725	$\mathbb{T}_{3,-3}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{14}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{14}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
726	$\mathbb{T}_{5,5}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{6}i}{231} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{6}i}{231} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

[illegible]

continued ...

表 9

no.	type	basis
729	$\mathbb{T}_{5,4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}i}{77} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}i}{77} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{231} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{231} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
730	$\mathbb{T}_{5,4}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}i}{33} & \frac{4\sqrt{3}i}{33} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{3}i}{33} & -\frac{5\sqrt{2}i}{33} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{3}i}{33} & -\frac{4\sqrt{2}i}{33} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{2}i}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{3}i}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
731	$\mathbb{T}_{5,4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{5}i}{75} & -\frac{4\sqrt{2}i}{75} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{2}i}{75} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{2}i}{75} & -\frac{4\sqrt{3}i}{75} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{3}i}{75} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{2}i}{25} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
732	$\mathbb{T}_{5,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{2}i}{231} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{2}i}{231} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}i}{231} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}i}{231} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}i}{231} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}i}{231} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis													
733	$\mathbb{T}_{5,3}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}i}{33} & -\frac{\sqrt{15}i}{33} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}i}{33} & \frac{\sqrt{6}i}{11} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{33} & \frac{2\sqrt{6}i}{33} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{6}i}{33} & -\frac{2i}{11} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2i}{11} & -\frac{\sqrt{6}i}{33} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2i}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$													
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{30}i}{225} & \frac{8\sqrt{10}i}{225} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{10}i}{225} & -\frac{8i}{225} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{10}i}{225} & \frac{8i}{225} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8i}{225} & -\frac{4\sqrt{6}i}{225} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{16\sqrt{6}i}{225} & -\frac{8i}{75} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8i}{75} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{6}i}{75} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$													

continued ...

表 9

no.	type	basis
735	$\mathbb{T}_{5,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & \frac{5i}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5i}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{3}i}{231} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{3}i}{231} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{77} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{77} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}i}{231} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}i}{231} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
736	$\mathbb{T}_{5,2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}i}{33} & \frac{\sqrt{30}i}{99} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}i}{99} & -\frac{2\sqrt{10}i}{33} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{30}i}{99} & -\frac{\sqrt{10}i}{33} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}i}{33} & \frac{8i}{33} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{33} & \frac{\sqrt{6}i}{33} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{33} & -\frac{4i}{33} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4i}{33} & -\frac{\sqrt{6}i}{99} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{99} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{99} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis														
737	$\mathbb{T}_{5,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{15}i}{225} & -\frac{4\sqrt{5}i}{75} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}i}{75} & \frac{4\sqrt{15}i}{225} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}i}{75} & \frac{2\sqrt{15}i}{225} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{225} & \frac{2\sqrt{6}i}{225} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{10}i}{75} & \frac{8i}{75} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8i}{75} & -\frac{2\sqrt{6}i}{75} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{14\sqrt{6}i}{225} & -\frac{2i}{25} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2i}{25} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4i}{75} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$														
		$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{5\sqrt{21}i}{1617} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{21}i}{1617} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{20\sqrt{7}i}{1617} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{20\sqrt{7}i}{1617} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{14}i}{539} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{14}i}{539} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{210}i}{1617} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{210}i}{1617} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{1617} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{1617} & 0 \end{pmatrix}$														

continued ...

表 9

no.	type	basis													
739	$\mathbb{T}_{5,1}^{(a)}(1,0)$	0	0	0	$\frac{5\sqrt{7}i}{231}$	$-\frac{\sqrt{70}i}{462}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{\sqrt{70}i}{462}$	$\frac{\sqrt{210}i}{99}$	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{5\sqrt{70}i}{231}$	$\frac{2\sqrt{210}i}{693}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{2\sqrt{210}i}{693}$	$-\frac{\sqrt{70}i}{33}$	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{10\sqrt{35}i}{231}$	$-\frac{\sqrt{105}i}{231}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{105}i}{231}$	$\frac{\sqrt{42}i}{33}$	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{70}i}{231}$	$\frac{2\sqrt{7}i}{231}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{7}i}{231}$	$-\frac{\sqrt{42}i}{99}$	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{7}i}{231}$	$-\frac{\sqrt{42}i}{1386}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{42}i}{1386}$
740	$\mathbb{T}_{5,1}^{(a)}(1,-1)$	0	0	0	$\frac{4\sqrt{42}i}{315}$	$\frac{16\sqrt{105}i}{1575}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{16\sqrt{105}i}{1575}$	$-\frac{8\sqrt{35}i}{525}$	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{4\sqrt{105}i}{315}$	$-\frac{8\sqrt{35}i}{525}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{8\sqrt{35}i}{525}$	$\frac{4\sqrt{105}i}{1575}$	0	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{4\sqrt{70}i}{525}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{70}i}{525}$	$\frac{16\sqrt{7}i}{525}$	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{105}i}{315}$	$\frac{4\sqrt{42}i}{225}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{42}i}{225}$	$-\frac{4\sqrt{7}i}{175}$	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{42}i}{315}$	$-\frac{8\sqrt{7}i}{525}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{8\sqrt{7}i}{525}$

continued ...

表 9

no.	type	basis
741	$\mathbb{T}_{5,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{5\sqrt{7}i}{1617} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{5\sqrt{7}i}{1617} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{5\sqrt{70}i}{1617} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{70}i}{1617} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{35}i}{1617} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{35}i}{1617} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{70}i}{1617} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{70}i}{1617} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{7}i}{1617} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{7}i}{1617} & 0 & 0 \end{pmatrix}$
742	$\mathbb{T}_{5,0}^{(a)}(1,0)$	$\begin{pmatrix} 0 & -\frac{\sqrt{35}i}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{5\sqrt{21}i}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{210}i}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{20\sqrt{7}i}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{14}i}{77} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{14}i}{77} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{20\sqrt{7}i}{231} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{210}i}{231} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{21}i}{231} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{231} & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis													
743	$\mathbb{T}_{5,0}^{(a)}(1,-1)$	0	$-\frac{4\sqrt{210i}}{1575}$	$-\frac{4\sqrt{35i}}{315}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$\frac{4\sqrt{35i}}{315}$	$\frac{8\sqrt{14i}}{315}$	0	0	0	0	0	0	0	0	
		0	0	0	$\frac{4\sqrt{35i}}{225}$	$\frac{2\sqrt{14i}}{63}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{2\sqrt{14i}}{63}$	$-\frac{4\sqrt{42i}}{315}$	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{4\sqrt{21i}}{315}$	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{4\sqrt{21i}}{315}$	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{4\sqrt{42i}}{315}$	$-\frac{2\sqrt{14i}}{63}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{2\sqrt{14i}}{63}$	$\frac{4\sqrt{35i}}{225}$	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{8\sqrt{14i}}{315}$	$\frac{4\sqrt{35i}}{315}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{35i}}{315}$	$-\frac{4\sqrt{210i}}{1575}$	0	
744	$\mathbb{T}_{5,-1}^{(a)}$	$-\frac{\sqrt{35i}}{1617}$	0	0	0	0	0	0	0	0	0	0	0	0	
		0	$-\frac{\sqrt{35i}}{1617}$	0	0	0	0	0	0	0	0	0	0	0	
		0	0	$\frac{2\sqrt{210i}}{1617}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$\frac{2\sqrt{210i}}{1617}$	0	0	0	0	0	0	0	0	0	
		0	0	0	0	$-\frac{5\sqrt{14i}}{539}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{5\sqrt{14i}}{539}$	0	0	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{20\sqrt{7i}}{1617}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{20\sqrt{7i}}{1617}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{5\sqrt{21i}}{1617}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{21i}}{1617}$	0	0	0	

continued ...

表 9

no.	type	basis														
745	$\mathbb{T}_{5,-1}^{(a)}(1, 0)$	$\frac{\sqrt{42}i}{1386}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{42}i}{1386}$	$\frac{5\sqrt{7}i}{231}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{42}i}{99}$	$-\frac{2\sqrt{7}i}{231}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{2\sqrt{7}i}{231}$	$-\frac{5\sqrt{70}i}{231}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{42}i}{33}$	$\frac{\sqrt{105}i}{231}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{105}i}{231}$	$\frac{10\sqrt{35}i}{231}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{70}i}{33}$	$-\frac{2\sqrt{210}i}{693}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{2\sqrt{210}i}{693}$	$-\frac{5\sqrt{70}i}{231}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{210}i}{99}$	$\frac{\sqrt{70}i}{462}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{70}i}{462}$	$\frac{5\sqrt{7}i}{231}$	0	0	0	0
746	$\mathbb{T}_{5,-1}^{(a)}(1, -1)$	$\frac{8\sqrt{7}i}{525}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{8\sqrt{7}i}{525}$	$-\frac{4\sqrt{42}i}{315}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{4\sqrt{7}i}{175}$	$-\frac{4\sqrt{42}i}{225}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{4\sqrt{42}i}{225}$	$\frac{4\sqrt{105}i}{315}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{16\sqrt{7}i}{525}$	$\frac{4\sqrt{70}i}{525}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{4\sqrt{70}i}{525}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{4\sqrt{105}i}{1575}$	$\frac{8\sqrt{35}i}{525}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{8\sqrt{35}i}{525}$	$-\frac{4\sqrt{105}i}{315}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{8\sqrt{35}i}{525}$	$-\frac{16\sqrt{105}i}{1575}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{16\sqrt{105}i}{1575}$	$\frac{4\sqrt{42}i}{315}$	0	0	0	0

continued ...

表 9

no.	type	basis
747	$\mathbb{T}_{5,-2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{5}i}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{5}i}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{5}i}{77} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{5}i}{77} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{5\sqrt{3}i}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{3}i}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{5i}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5i}{231} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
748	$\mathbb{T}_{5,-2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{6}i}{99} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{6}i}{99} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{6}i}{99} & \frac{4i}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{4i}{33} & -\frac{\sqrt{6}i}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{6}i}{33} & -\frac{2\sqrt{15}i}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{8i}{33} & \frac{\sqrt{10}i}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}i}{33} & \frac{4\sqrt{30}i}{99} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}i}{33} & -\frac{\sqrt{30}i}{99} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}i}{99} & -\frac{\sqrt{10}i}{33} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis															
749	$\mathbb{T}_{5,-2}^{(a)}(1, -1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{4i}{75}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{2i}{25}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2i}{25}$	$-\frac{14\sqrt{6}i}{225}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2\sqrt{6}i}{75}$	$-\frac{8i}{75}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{8i}{75}$	$\frac{2\sqrt{10}i}{75}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{2\sqrt{6}i}{225}$	$-\frac{2\sqrt{15}i}{225}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{15}i}{225}$	$\frac{4\sqrt{5}i}{75}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{4\sqrt{15}i}{225}$	$\frac{4\sqrt{5}i}{75}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{4\sqrt{5}i}{75}$	$-\frac{8\sqrt{15}i}{225}$	0	0	0	0	0	0	0
750	$\mathbb{T}_{5,-3}^{(a)}$	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
		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
		$-\frac{2\sqrt{5}i}{231}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2\sqrt{5}i}{231}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{4\sqrt{5}i}{231}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{4\sqrt{5}i}{231}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{5\sqrt{2}i}{231}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{5\sqrt{2}i}{231}$	0	0	0	0	0	0	0	0	0	0

continued ...

表 9

no.	type	basis															
751	$\mathbb{T}_{5,-3}^{(a)}(1,0)$	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	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{2i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{6}i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{6}i}{33}$	$\frac{2i}{11}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2i}{11}$	$-\frac{2\sqrt{6}i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{2\sqrt{6}i}{33}$	$-\frac{2\sqrt{15}i}{33}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{6}i}{11}$	$\frac{\sqrt{15}i}{33}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{15}i}{33}$	$\frac{2\sqrt{5}i}{33}$	0	0	0	0	0	0	0	0	0
752	$\mathbb{T}_{5,-3}^{(a)}(1,-1)$	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
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{4\sqrt{6}i}{75}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{8i}{75}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{8i}{75}$	$-\frac{16\sqrt{6}i}{225}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{4\sqrt{6}i}{225}$	$-\frac{8i}{225}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{8i}{225}$	$-\frac{4\sqrt{10}i}{225}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{8i}{225}$	$-\frac{8\sqrt{10}i}{225}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{8\sqrt{10}i}{225}$	$\frac{8\sqrt{30}i}{225}$	0	0	0	0	0	0	0	0	0

continued ...

表 9

no.	type	basis
753	$\mathbb{T}_{5,-4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{15}i}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{15}i}{231} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{10}i}{77} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{10}i}{77} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
754	$\mathbb{T}_{5,-4}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{3}i}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{4\sqrt{2}i}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{4\sqrt{2}i}{33} & \frac{4\sqrt{3}i}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{5\sqrt{2}i}{33} & -\frac{4\sqrt{3}i}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{4\sqrt{3}i}{33} & -\frac{\sqrt{30}i}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

[illegible]

continued ...

表 9

no.	type	basis
757	$\mathbb{T}_{5,-5}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{2\sqrt{5}i}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{5\sqrt{5}i}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{5\sqrt{5}i}{33} & \frac{\sqrt{30}i}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
758	$\mathbb{T}_{5,-5}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{4\sqrt{30}i}{75} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{8\sqrt{5}i}{75} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
759	$\mathbb{G}_0^{(a)}(1, 1)$	$\begin{pmatrix} 0 & -\frac{\sqrt{14}i}{7} & \frac{\sqrt{21}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{21}i}{21} & \frac{\sqrt{210}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{21}i}{21} & \frac{2\sqrt{210}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}i}{105} & \frac{\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{35}i}{35} & \frac{\sqrt{105}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{105}i}{35} & \frac{2\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}i}{35} & \frac{2\sqrt{210}i}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}i}{105} & \frac{2\sqrt{21}i}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{105} & \frac{\sqrt{21}i}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{21}i}{21} & \frac{\sqrt{14}i}{7} & 0 \end{pmatrix}$
760	$\mathbb{G}_{2,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{105}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{105}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{7} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
761	$\mathbb{G}_{2,2}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}i}{175} & -\frac{\sqrt{15}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}i}{105} & -\frac{\sqrt{5}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}i}{525} & -\frac{\sqrt{5}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{70} & -\frac{\sqrt{2}i}{14} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}i}{350} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}i}{14} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}i}{70} & \frac{\sqrt{3}i}{42} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{42} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}i}{105} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
762	$\mathbb{G}_{2,2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{70}i}{35} & \frac{4\sqrt{210}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{210}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{210}i}{105} & \frac{4\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{105}i}{105} & \frac{4\sqrt{42}i}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{42}i}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{42}i}{21} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{42}i}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{42}i}{21} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
763	$\mathbb{G}_{2,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{105}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}i}{7} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
764	$\mathbb{G}_{2,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{2\sqrt{105}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{105}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{7} & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
765	$\mathbb{G}_{2,1}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{2}i}{35} & \frac{4\sqrt{5}i}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{5}i}{175} & \frac{2\sqrt{15}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{175} & \frac{2\sqrt{15}i}{525} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{525} & \frac{\sqrt{5}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{10}i}{175} & -\frac{\sqrt{30}i}{175} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}i}{175} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{175} & -\frac{\sqrt{2}i}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}i}{35} & -\frac{\sqrt{3}i}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}i}{35} & \frac{2\sqrt{3}i}{105} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{3}i}{105} \end{pmatrix}$
766	$\mathbb{G}_{2,1}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{4\sqrt{7}i}{7} & -\frac{2\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}i}{35} & \frac{4\sqrt{210}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{70}i}{35} & -\frac{4\sqrt{210}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{210}i}{105} & \frac{4\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{105}i}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{105}i}{105} & \frac{4\sqrt{42}i}{21} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{70}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{42}i}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{7}i}{7} & \frac{2\sqrt{42}i}{21} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}i}{21} \end{pmatrix}$

continued ...

表 9

no.	type	basis
767	$\mathbb{G}_{2,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & -\frac{\sqrt{7}i}{7} & -\frac{\sqrt{70}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}i}{35} & -\frac{\sqrt{210}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{210}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{35}i}{35} & -\frac{\sqrt{105}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}i}{35} & -\frac{\sqrt{7}i}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{7} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{7} & -\frac{\sqrt{42}i}{14} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}i}{14} \end{pmatrix}$
768	$\mathbb{G}_{2,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & \frac{2\sqrt{7}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2\sqrt{7}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}i}{7} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{7}i}{7} & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis														
769	$\mathbb{G}_{2,0}^{(a)}(1,1)$	0	$\frac{\sqrt{2}i}{35}$	$-\frac{\sqrt{3}i}{35}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{3}i}{35}$	$-\frac{2\sqrt{30}i}{175}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{3}i}{35}$	$\frac{\sqrt{30}i}{350}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{30}i}{350}$	$-\frac{\sqrt{10}i}{175}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{3\sqrt{5}i}{175}$	$\frac{2\sqrt{15}i}{175}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{2\sqrt{15}i}{175}$	$\frac{3\sqrt{5}i}{175}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{10}i}{175}$	$\frac{\sqrt{30}i}{350}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{30}i}{350}$	$\frac{\sqrt{3}i}{35}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{2\sqrt{30}i}{175}$	$-\frac{\sqrt{3}i}{35}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{3}i}{35}$	$-\frac{\sqrt{2}i}{35}$	0	0	0
770	$\mathbb{G}_{2,0}^{(a)}(1,0)$	0	$-\frac{4\sqrt{7}i}{7}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{4\sqrt{105}i}{35}$	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	$-\frac{8\sqrt{35}i}{35}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{4\sqrt{70}i}{35}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{4\sqrt{70}i}{35}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{8\sqrt{35}i}{35}$	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	$\frac{4\sqrt{105}i}{35}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{7}i}{7}$	0	0	0	0

continued ...

表 9

no.	type	basis													
771	$\mathbb{G}_{2,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & \frac{\sqrt{7}i}{7} & \frac{\sqrt{42}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{\sqrt{42}i}{21} & -\frac{\sqrt{105}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{42}i}{21} & \frac{4\sqrt{105}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{105}i}{105} & -\frac{\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}i}{35} & \frac{\sqrt{210}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{35} & -\frac{\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}i}{35} & \frac{4\sqrt{105}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{105}i}{105} & -\frac{\sqrt{42}i}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{105}i}{105} & \frac{\sqrt{42}i}{21} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{42}i}{21} & -\frac{\sqrt{7}i}{7} & 0 & 0 \end{pmatrix}$													
		$\begin{pmatrix} -\frac{2\sqrt{7}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{7}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{35}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{105}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{105}i}{35} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$													

continued ...

表 9

no.	type	basis														
773	$\mathbb{G}_{2,-1}^{(a)}(1, 1)$	$\begin{pmatrix} \frac{2\sqrt{3}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{3}i}{105} & \frac{\sqrt{2}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{3}i}{21} & -\frac{\sqrt{2}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{2}i}{35} & -\frac{\sqrt{5}i}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{30}i}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{30}i}{175} & -\frac{2\sqrt{10}i}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{5}i}{35} & \frac{2\sqrt{15}i}{525} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{525} & -\frac{\sqrt{5}i}{175} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{15}i}{105} & \frac{4\sqrt{5}i}{175} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{5}i}{175} & \frac{\sqrt{2}i}{35} & 0 & 0 & 0 & 0 \end{pmatrix}$														
774	$\mathbb{G}_{2,-1}^{(a)}(1, 0)$	$\begin{pmatrix} \frac{2\sqrt{42}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{2\sqrt{42}i}{21} & \frac{4\sqrt{7}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{4\sqrt{42}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{4\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{42}i}{21} & -\frac{4\sqrt{105}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{105}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{70}i}{35} & -\frac{4\sqrt{210}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{210}i}{105} & -\frac{4\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{210}i}{105} & -\frac{2\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}i}{35} & -\frac{4\sqrt{7}i}{7} & 0 & 0 & 0 & 0 \end{pmatrix}$														

continued ...

表 9

no.	type	basis														
775	$\mathbb{G}_{2,-1}^{(a)}(1, -1)$	$-\frac{\sqrt{42}i}{14}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{42}i}{14}$	$\frac{\sqrt{7}i}{7}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{\sqrt{7}i}{7}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{7}i}{7}$	$\frac{2\sqrt{70}i}{35}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{\sqrt{105}i}{35}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{105}i}{35}$	$\frac{3\sqrt{35}i}{35}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{210}i}{70}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{210}i}{70}$	$\frac{2\sqrt{70}i}{35}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{70}i}{70}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{70}i}{70}$	$\frac{\sqrt{7}i}{7}$	0	0	0	0
776	$\mathbb{G}_{2,-2}^{(a)}$	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
		$-\frac{2\sqrt{7}i}{7}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2\sqrt{7}i}{7}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{2\sqrt{7}i}{7}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{7}i}{7}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{2\sqrt{105}i}{35}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{105}i}{35}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{2\sqrt{35}i}{35}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{2\sqrt{35}i}{35}$	0	0	0	0	0	0	0

continued ...

表 9

no.	type	basis															
777	$\mathbb{G}_{2,-2}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{3}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{3}i}{42} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{\sqrt{3}i}{42} & \frac{\sqrt{2}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{\sqrt{2}i}{14} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{30}i}{350} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{2}i}{14} & -\frac{\sqrt{5}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{70} & -\frac{\sqrt{15}i}{525} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{35} & -\frac{\sqrt{15}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{15}i}{105} & -\frac{2\sqrt{5}i}{175} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$															
		$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{4\sqrt{42}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{4\sqrt{42}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{4\sqrt{42}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{4\sqrt{42}i}{21} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{42}i}{21} & \frac{8\sqrt{105}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{4\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{70}i}{35} & \frac{8\sqrt{210}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{210}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{210}i}{105} & \frac{4\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$															

continued ...

表 9

no.	type	basis
779	$\mathbb{G}_{2,-2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{\sqrt{42}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{7}i}{7} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{2\sqrt{105}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}i}{35} & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
780	$\mathbb{G}_{4,4}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{10}i}{75} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{10}i}{75} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{15}i}{75} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{15}i}{75} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
781	$\mathbb{G}_{4,4}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{55}i}{2541} & \frac{3\sqrt{22}i}{847} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{22}i}{847} & \frac{10\sqrt{33}i}{847} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{22}i}{2541} & -\frac{2\sqrt{33}i}{847} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{33}i}{847} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{22}i}{2541} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
782	$\mathbb{G}_{4,4}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{5}i}{15} & -\frac{8\sqrt{2}i}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{2}i}{15} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{2}i}{15} & -\frac{8\sqrt{3}i}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{3}i}{15} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{2}i}{5} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
783	$\mathbb{G}_{4,4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{7}i}{35} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}i}{70} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{70}i}{70} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
784	$\mathbb{G}_{4,3}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{2}i}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{2}i}{15} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}i}{75} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}i}{75} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}i}{25} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{5}i}{25} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
785	$\mathbb{G}_{4,3}^{(a)}(1, 1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{330i}}{2541} & -\frac{4\sqrt{110i}}{2541} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{110i}}{2541} & -\frac{12\sqrt{11i}}{847} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{110i}}{847} & \frac{16\sqrt{11i}}{2541} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{16\sqrt{11i}}{2541} & \frac{4\sqrt{66i}}{847} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{66i}}{847} & -\frac{8\sqrt{11i}}{2541} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{11i}}{2541} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{66i}}{2541} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
786	$\mathbb{G}_{4,3}^{(a)}(1, 0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{30i}}{15} & \frac{\sqrt{10i}}{5} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10i}}{5} & -\frac{8i}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10i}}{15} & \frac{i}{5} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{i}{5} & -\frac{4\sqrt{6i}}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{6i}}{15} & -\frac{3i}{5} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3i}{5} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6i}}{5} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis
787	$\mathbb{G}_{4,3}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}i}{70} & \frac{\sqrt{14}i}{140} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{14}i}{140} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{14}i}{140} & \frac{\sqrt{35}i}{140} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{140} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{35}i}{140} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{35}i}{140} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{140} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
788	$\mathbb{G}_{4,2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{21}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{21}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{7}i}{105} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{105}i}{525} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{105}i}{525} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{105}i}{175} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{105}i}{175} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis														
789	$\mathbb{G}_{4,2}^{(a)}(1,1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{385}i}{5929} & \frac{\sqrt{1155}i}{2541} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{1155}i}{2541} & \frac{4\sqrt{385}i}{2541} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{8\sqrt{1155}i}{17787} & -\frac{\sqrt{385}i}{847} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{385}i}{847} & -\frac{8\sqrt{154}i}{2541} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{2310}i}{5929} & \frac{\sqrt{231}i}{847} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{231}i}{847} & \frac{4\sqrt{154}i}{2541} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{154}i}{5929} & -\frac{\sqrt{231}i}{2541} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{231}i}{2541} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{231}i}{17787} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$														
790	$\mathbb{G}_{4,2}^{(a)}(1,0)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{35}i}{35} & -\frac{4\sqrt{105}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{105}i}{105} & \frac{2\sqrt{35}i}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{105}i}{35} & \frac{2\sqrt{35}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{35}i}{105} & \frac{\sqrt{14}i}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{210}i}{35} & \frac{8\sqrt{21}i}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{8\sqrt{21}i}{105} & -\frac{\sqrt{14}i}{5} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{14}i}{5} & -\frac{2\sqrt{21}i}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{21}i}{35} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}i}{35} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$														

continued ...

表 9

no.	type	basis
791	$\mathbb{G}_{4,2}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & -\frac{3i}{35} & -\frac{\sqrt{3}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{3}i}{35} & \frac{i}{70} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{70} & -\frac{3i}{70} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3i}{70} & \frac{\sqrt{10}i}{140} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{6}i}{140} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{10}i}{140} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{10}i}{140} & \frac{\sqrt{15}i}{70} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}i}{70} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{15}i}{70} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
792	$\mathbb{G}_{4,1}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & \frac{4\sqrt{14}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{14}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{42}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}i}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{35}i}{75} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{35}i}{75} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}i}{525} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{210}i}{525} & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis													
793	$\mathbb{G}_{4,1}^{(a)}(1,1)$	0	0	0	$\frac{10\sqrt{77}i}{17787}$	$-\frac{2\sqrt{770}i}{5929}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{2\sqrt{770}i}{5929}$	$-\frac{\sqrt{2310}i}{2541}$	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{10\sqrt{770}i}{17787}$	$\frac{8\sqrt{2310}i}{17787}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{8\sqrt{2310}i}{17787}$	$\frac{\sqrt{770}i}{847}$	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{20\sqrt{385}i}{17787}$	$-\frac{4\sqrt{1155}i}{5929}$	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{4\sqrt{1155}i}{5929}$	$-\frac{\sqrt{462}i}{847}$	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{10\sqrt{770}i}{17787}$	$\frac{8\sqrt{77}i}{5929}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{8\sqrt{77}i}{5929}$	$\frac{\sqrt{462}i}{2541}$	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{77}i}{17787}$	$-\frac{2\sqrt{462}i}{17787}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{462}i}{17787}$	
794	$\mathbb{G}_{4,1}^{(a)}(1,0)$	0	0	0	$-\frac{4\sqrt{7}i}{21}$	$\frac{2\sqrt{70}i}{105}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{2\sqrt{70}i}{105}$	$-\frac{2\sqrt{210}i}{35}$	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{2\sqrt{70}i}{21}$	$-\frac{\sqrt{210}i}{105}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{\sqrt{210}i}{105}$	$\frac{\sqrt{70}i}{35}$	0	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{\sqrt{105}i}{105}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{\sqrt{105}i}{105}$	$\frac{4\sqrt{42}i}{35}$	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{2\sqrt{70}i}{21}$	$\frac{\sqrt{7}i}{15}$	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{7}i}{15}$	$-\frac{3\sqrt{42}i}{35}$	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{7}i}{21}$	$-\frac{\sqrt{42}i}{105}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{42}i}{105}$	

continued ...

表 9

no.	type	basis
795	$\mathbb{G}_{4,1}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & \frac{\sqrt{5}i}{35} & \frac{3\sqrt{2}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{2}i}{70} & -\frac{\sqrt{6}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}i}{70} & \frac{\sqrt{6}i}{140} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{140} & -\frac{3\sqrt{2}i}{140} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2i}{35} & -\frac{3\sqrt{3}i}{140} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{3}i}{140} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}i}{70} & -\frac{3\sqrt{5}i}{140} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{5}i}{140} & \frac{\sqrt{30}i}{140} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{5}i}{35} & \frac{\sqrt{30}i}{140} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}i}{140} \end{pmatrix}$
796	$\mathbb{G}_{4,0}^{(a)}$	$\begin{pmatrix} 0 & 0 & -\frac{4\sqrt{7}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{4\sqrt{7}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{70}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{70}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}i}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{70}i}{105} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}i}{105} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{7}i}{105} & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis														
797	$\mathbb{G}_{4,0}^{(a)}(1,1)$	0	$-\frac{\sqrt{2310}i}{17787}$	$\frac{5\sqrt{385}i}{17787}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{5\sqrt{385}i}{17787}$	$\frac{5\sqrt{154}i}{5929}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{4\sqrt{385}i}{5929}$	$-\frac{25\sqrt{154}i}{17787}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{25\sqrt{154}i}{17787}$	$-\frac{20\sqrt{462}i}{17787}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{10\sqrt{231}i}{5929}$	$\frac{50\sqrt{77}i}{17787}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{50\sqrt{77}i}{17787}$	$\frac{10\sqrt{231}i}{5929}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{20\sqrt{462}i}{17787}$	$-\frac{25\sqrt{154}i}{17787}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{25\sqrt{154}i}{17787}$	$-\frac{4\sqrt{385}i}{5929}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{5\sqrt{154}i}{5929}$	$\frac{5\sqrt{385}i}{17787}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{385}i}{17787}$	$\frac{\sqrt{2310}i}{17787}$	0	0	0
798	$\mathbb{G}_{4,0}^{(a)}(1,0)$	0	$\frac{2\sqrt{210}i}{105}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{4\sqrt{14}i}{21}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{35}i}{15}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{2\sqrt{42}i}{21}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{21}i}{21}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{2\sqrt{21}i}{21}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{2\sqrt{42}i}{21}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{35}i}{15}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{4\sqrt{14}i}{21}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{210}i}{105}$	0	0	0

continued ...

表 9

no.	type	basis
799	$\mathbb{G}_{4,0}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & -\frac{\sqrt{6}i}{70} & -\frac{2i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{2i}{35} & \frac{3\sqrt{10}i}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{3i}{70} & \frac{\sqrt{10}i}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}i}{175} & \frac{\sqrt{30}i}{350} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{3\sqrt{15}i}{350} & \frac{4\sqrt{5}i}{175} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{5}i}{175} & -\frac{3\sqrt{15}i}{350} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{30}i}{350} & \frac{\sqrt{10}i}{175} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{10}i}{175} & -\frac{3i}{70} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{3\sqrt{10}i}{175} & -\frac{2i}{35} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2i}{35} & \frac{\sqrt{6}i}{70} & 0 \end{pmatrix}$
800	$\mathbb{G}_{4,-1}^{(a)}$	$\begin{pmatrix} \frac{2\sqrt{210}i}{525} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{2\sqrt{210}i}{525} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{2\sqrt{35}i}{75} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\frac{2\sqrt{35}i}{75} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{2\sqrt{21}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{21}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{42}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{42}i}{105} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{14}i}{105} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{4\sqrt{14}i}{105} & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis													
801	$\mathbb{G}_{4,-1}^{(a)}(1,1)$	$-\frac{2\sqrt{462}i}{17787}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{2\sqrt{462}i}{17787}$	$-\frac{10\sqrt{77}i}{17787}$	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{462}i}{2541}$	$\frac{8\sqrt{77}i}{5929}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{8\sqrt{77}i}{5929}$	$\frac{10\sqrt{770}i}{17787}$	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{462}i}{847}$	$-\frac{4\sqrt{1155}i}{5929}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{4\sqrt{1155}i}{5929}$	$-\frac{20\sqrt{385}i}{17787}$	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{770}i}{847}$	$\frac{8\sqrt{2310}i}{17787}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{8\sqrt{2310}i}{17787}$	$\frac{10\sqrt{770}i}{17787}$	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{2310}i}{2541}$	$-\frac{2\sqrt{770}i}{5929}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{770}i}{5929}$	$-\frac{10\sqrt{77}i}{17787}$	0	0	0
802	$\mathbb{G}_{4,-1}^{(a)}(1,0)$	$-\frac{\sqrt{42}i}{105}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{42}i}{105}$	$-\frac{4\sqrt{7}i}{21}$	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{3\sqrt{42}i}{35}$	$\frac{\sqrt{7}i}{15}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{7}i}{15}$	$\frac{2\sqrt{70}i}{21}$	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{4\sqrt{42}i}{35}$	$-\frac{\sqrt{105}i}{105}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{105}i}{105}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{70}i}{35}$	$-\frac{\sqrt{210}i}{105}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{210}i}{105}$	$-\frac{2\sqrt{70}i}{21}$	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{2\sqrt{210}i}{35}$	$\frac{2\sqrt{70}i}{105}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{70}i}{105}$	$\frac{4\sqrt{7}i}{21}$	0	0	0

continued ...

表 9

no.	type	basis														
803	$\mathbb{G}_{4,-1}^{(a)}(1, -1)$	$\frac{\sqrt{30}i}{140}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{30}i}{140}$	$-\frac{\sqrt{5}i}{35}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{30}i}{140}$	$-\frac{3\sqrt{5}i}{140}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{3\sqrt{5}i}{140}$	$\frac{\sqrt{2}i}{70}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{3\sqrt{3}i}{140}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{3\sqrt{3}i}{140}$	$\frac{2i}{35}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{3\sqrt{2}i}{140}$	$\frac{\sqrt{6}i}{140}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{6}i}{140}$	$\frac{\sqrt{2}i}{70}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{6}i}{70}$	$\frac{3\sqrt{2}i}{70}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{3\sqrt{2}i}{70}$	$-\frac{\sqrt{5}i}{35}$	0	0	0	0
804	$\mathbb{G}_{4,-2}^{(a)}$	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
		$\frac{2\sqrt{105}i}{175}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{2\sqrt{105}i}{175}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{8\sqrt{105}i}{525}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{8\sqrt{105}i}{525}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{2\sqrt{7}i}{105}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{7}i}{105}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{4\sqrt{21}i}{105}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{4\sqrt{21}i}{105}$	0	0	0	0	0	0	0

continued ...

表 9

no.	type	basis														
805	$\mathbb{G}_{4,-2}^{(a)}(1, 1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{2\sqrt{231}i}{17787}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{231}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{231}i}{2541}$	$-\frac{4\sqrt{154}i}{5929}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{4\sqrt{154}i}{2541}$	$\frac{\sqrt{231}i}{847}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{231}i}{847}$	$\frac{2\sqrt{2310}i}{5929}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{8\sqrt{154}i}{2541}$	$-\frac{\sqrt{385}i}{847}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{385}i}{847}$	$-\frac{8\sqrt{1155}i}{17787}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{4\sqrt{385}i}{2541}$	$\frac{\sqrt{1155}i}{2541}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{1155}i}{2541}$	$\frac{2\sqrt{385}i}{5929}$	0	0	0	0	0	0
806	$\mathbb{G}_{4,-2}^{(a)}(1, 0)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{2\sqrt{21}i}{35}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{2\sqrt{21}i}{35}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{2\sqrt{21}i}{35}$	$-\frac{\sqrt{14}i}{5}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{14}i}{5}$	$\frac{8\sqrt{21}i}{105}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{8\sqrt{21}i}{105}$	$\frac{\sqrt{210}i}{35}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{14}i}{15}$	$\frac{2\sqrt{35}i}{105}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{35}i}{105}$	$\frac{2\sqrt{105}i}{35}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{35}i}{15}$	$-\frac{4\sqrt{105}i}{105}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{4\sqrt{105}i}{105}$	$-\frac{4\sqrt{35}i}{35}$	0	0	0	0	0	0

continued ...

表 9

no.	type	basis															
807	$\mathbb{G}_{4,-2}^{(a)}(1, -1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{15}i}{70}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{15}i}{70}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{15}i}{70}$	$-\frac{3\sqrt{10}i}{140}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{10}i}{140}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{3\sqrt{6}i}{140}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{10}i}{140}$	$-\frac{3i}{70}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{3i}{70}$	$\frac{\sqrt{3}i}{70}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{i}{70}$	$-\frac{\sqrt{3}i}{35}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{3}i}{35}$	$\frac{3i}{35}$	0	0	0	0	0	0	0
808	$\mathbb{G}_{4,-3}^{(a)}$	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
		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
		$\frac{2\sqrt{5}i}{25}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{2\sqrt{5}i}{25}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{2\sqrt{5}i}{75}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{5}i}{75}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{2\sqrt{2}i}{15}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{2}i}{15}$	0	0	0	0	0	0	0	0	0	0

continued ...

表 9

no.	type	basis																
809	$\mathbb{G}_{4,-3}^{(a)}(1,1)$	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	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		$\frac{\sqrt{66}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		$-\frac{8\sqrt{11}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	$\frac{8\sqrt{11}i}{2541}$	$-\frac{\sqrt{66}i}{847}$	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	$-\frac{4\sqrt{66}i}{847}$	$\frac{16\sqrt{11}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{16\sqrt{11}i}{2541}$	$\frac{\sqrt{110}i}{847}$	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$\frac{12\sqrt{11}i}{847}$	$-\frac{4\sqrt{110}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{4\sqrt{110}i}{2541}$	$-\frac{\sqrt{330}i}{2541}$	0	0	0	0	0	0	0	0	0	
810	$\mathbb{G}_{4,-3}^{(a)}(1,0)$	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	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		$\frac{\sqrt{6}i}{5}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		$-\frac{3i}{5}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	$\frac{3i}{5}$	$-\frac{4\sqrt{6}i}{15}$	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	$\frac{4\sqrt{6}i}{15}$	$\frac{i}{5}$	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{i}{5}$	$-\frac{\sqrt{10}i}{15}$	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$\frac{8i}{15}$	$\frac{\sqrt{10}i}{5}$	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{10}i}{5}$	$\frac{2\sqrt{30}i}{15}$	0	0	0	0	0	0	0	0	0	

continued ...

表 9

no.	type	basis															
811	$\mathbb{G}_{4,-3}^{(a)}(1, -1)$	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
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{210}i}{140}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{35}i}{140}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{35}i}{140}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{\sqrt{35}i}{140}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{35}i}{140}$	$-\frac{3\sqrt{14}i}{140}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{\sqrt{14}i}{140}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{14}i}{140}$	$-\frac{\sqrt{42}i}{70}$	0	0	0	0	0	0	0	0	0
812	$\mathbb{G}_{4,-4}^{(a)}$	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	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	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	0	0	0	0
		$\frac{4\sqrt{15}i}{75}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{4\sqrt{15}i}{75}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{4\sqrt{10}i}{75}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{4\sqrt{10}i}{75}$	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

continued ...

表 9

no.	type	basis															
813	$\mathbb{G}_{4,-4}^{(a)}(1,1)$	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
		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
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{2\sqrt{22}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{2\sqrt{33}i}{847}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{2\sqrt{33}i}{847}$	$-\frac{4\sqrt{22}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{10\sqrt{33}i}{847}$	$\frac{3\sqrt{22}i}{847}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{3\sqrt{22}i}{847}$	$\frac{2\sqrt{55}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0
814	$\mathbb{G}_{4,-4}^{(a)}(1,0)$	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	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	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{2\sqrt{2}i}{5}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{8\sqrt{3}i}{15}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{8\sqrt{3}i}{15}$	$-\frac{2\sqrt{2}i}{15}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{8\sqrt{2}i}{15}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{8\sqrt{2}i}{15}$	$-\frac{4\sqrt{5}i}{15}$	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 9

no.	type	basis
815	$\mathbb{G}_{4,-4}^{(a)}(1,-1)$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \frac{\sqrt{70}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \frac{\sqrt{70}i}{70} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{\sqrt{7}i}{35} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$
816	$\mathbb{G}_{6,6}^{(a)}(1,-1)$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{3}i}{231} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$

continued ...

表 9

no.	type	basis
817	$\mathbb{G}_{6,5}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{6}i}{231} & -\frac{5i}{231} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5i}{231} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10i}{231} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$
818	$\mathbb{G}_{6,4}^{(a)}(1, -1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{330}i}{2541} & \frac{10\sqrt{33}i}{2541} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{10\sqrt{33}i}{2541} & -\frac{5\sqrt{22}i}{2541} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{20\sqrt{33}i}{2541} & -\frac{10\sqrt{22}i}{2541} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{22}i}{2541} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{33}i}{2541} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 9

no.	type	basis													
819	$\mathbb{G}_{6,3}^{(a)}(1, -1)$	0	0	0	0	0	0	0	$-\frac{10\sqrt{33}i}{2541}$	$-\frac{5\sqrt{11}i}{847}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{11}i}{847}$	$\frac{\sqrt{110}i}{847}$	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{11}i}{847}$	$\frac{2\sqrt{110}i}{847}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{110}i}{847}$	$-\frac{2\sqrt{165}i}{2541}$	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{165}i}{847}$	$-\frac{\sqrt{110}i}{847}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{110}i}{847}$
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{165}i}{2541}$
		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	0	0	0	0	0	0	0	0	0	0
820	$\mathbb{G}_{6,2}^{(a)}(1, -1)$	0	0	0	0	0	$\frac{10\sqrt{11}i}{2541}$	$\frac{20\sqrt{33}i}{7623}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{20\sqrt{33}i}{7623}$	$-\frac{10\sqrt{11}i}{2541}$	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{40\sqrt{33}i}{7623}$	$-\frac{20\sqrt{11}i}{2541}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{20\sqrt{11}i}{2541}$	$\frac{4\sqrt{110}i}{2541}$	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{66}i}{2541}$	$\frac{4\sqrt{165}i}{2541}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{165}i}{2541}$	$-\frac{2\sqrt{110}i}{2541}$	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{110}i}{2541}$	$-\frac{4\sqrt{165}i}{7623}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{165}i}{7623}$
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{165}i}{7623}$
		0	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 9

no.	type	basis													
821	$\mathbb{G}_{6,1}^{(a)}(1, -1)$	0	0	0	$-\frac{5\sqrt{11}i}{2541}$	$-\frac{5\sqrt{110}i}{5082}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{110}i}{5082}$	$\frac{5\sqrt{330}i}{7623}$	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{110}i}{2541}$	$\frac{10\sqrt{330}i}{7623}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{10\sqrt{330}i}{7623}$	$-\frac{5\sqrt{110}i}{2541}$	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{10\sqrt{55}i}{2541}$	$-\frac{5\sqrt{165}i}{2541}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{5\sqrt{165}i}{2541}$	$\frac{5\sqrt{66}i}{2541}$	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{5\sqrt{110}i}{2541}$	$\frac{10\sqrt{11}i}{2541}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{11}i}{2541}$	$-\frac{5\sqrt{66}i}{7623}$	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{11}i}{2541}$	$-\frac{5\sqrt{66}i}{15246}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{66}i}{15246}$	0
822	$\mathbb{G}_{6,0}^{(a)}(1, -1)$	0	$\frac{5\sqrt{77}i}{17787}$	$\frac{5\sqrt{462}i}{17787}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{5\sqrt{462}i}{17787}$	$-\frac{5\sqrt{1155}i}{17787}$	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{10\sqrt{462}i}{17787}$	$-\frac{10\sqrt{1155}i}{17787}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{10\sqrt{1155}i}{17787}$	$\frac{20\sqrt{385}i}{17787}$	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{770}i}{5929}$	$\frac{10\sqrt{2310}i}{17787}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{10\sqrt{2310}i}{17787}$	$-\frac{5\sqrt{770}i}{5929}$	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{20\sqrt{385}i}{17787}$	$-\frac{10\sqrt{1155}i}{17787}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{10\sqrt{1155}i}{17787}$	$\frac{10\sqrt{462}i}{17787}$	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{5\sqrt{1155}i}{17787}$	$\frac{5\sqrt{462}i}{17787}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{462}i}{17787}$	$-\frac{5\sqrt{77}i}{17787}$	0	0

continued ...

表 9

no.	type	basis														
823	$\mathbb{G}_{6,-1}^{(a)}(1, -1)$	$-\frac{5\sqrt{66}i}{15246}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{66}i}{15246}$	$\frac{5\sqrt{11}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{66}i}{7623}$	$\frac{10\sqrt{11}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{10\sqrt{11}i}{2541}$	$-\frac{5\sqrt{110}i}{2541}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{5\sqrt{66}i}{2541}$	$-\frac{5\sqrt{165}i}{2541}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{165}i}{2541}$	$\frac{10\sqrt{55}i}{2541}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{110}i}{2541}$	$\frac{10\sqrt{330}i}{7623}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{10\sqrt{330}i}{7623}$	$-\frac{5\sqrt{110}i}{2541}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{5\sqrt{330}i}{7623}$	$-\frac{5\sqrt{110}i}{5082}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{110}i}{5082}$	$\frac{5\sqrt{11}i}{2541}$	0	0	0	0
824	$\mathbb{G}_{6,-2}^{(a)}(1, -1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{2\sqrt{165}i}{7623}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{4\sqrt{165}i}{7623}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{4\sqrt{165}i}{7623}$	$\frac{4\sqrt{110}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{2\sqrt{110}i}{2541}$	$\frac{4\sqrt{165}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{4\sqrt{165}i}{2541}$	$-\frac{10\sqrt{66}i}{2541}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{4\sqrt{110}i}{2541}$	$-\frac{20\sqrt{11}i}{2541}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{20\sqrt{11}i}{2541}$	$\frac{40\sqrt{33}i}{7623}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{10\sqrt{11}i}{2541}$	$\frac{20\sqrt{33}i}{7623}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{20\sqrt{33}i}{7623}$	$-\frac{10\sqrt{11}i}{2541}$	0	0	0	0	0	0

continued ...

表 9

no.	type	basis																
825	$\mathbb{G}_{6,-3}^{(a)}(1,-1)$	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	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		$-\frac{2\sqrt{165}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		$-\frac{\sqrt{110}i}{847}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	$\frac{\sqrt{110}i}{847}$	$\frac{2\sqrt{165}i}{847}$	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	$\frac{2\sqrt{165}i}{2541}$	$\frac{2\sqrt{110}i}{847}$	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{2\sqrt{110}i}{847}$	$-\frac{10\sqrt{11}i}{847}$	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{\sqrt{110}i}{847}$	$-\frac{5\sqrt{11}i}{847}$	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{5\sqrt{11}i}{847}$	$\frac{10\sqrt{33}i}{2541}$	0	0	0	0	0	0	0	0	0	
826	$\mathbb{G}_{6,-4}^{(a)}(1,-1)$	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	
		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	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		$-\frac{10\sqrt{33}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		$-\frac{10\sqrt{22}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	$\frac{10\sqrt{22}i}{2541}$	$\frac{20\sqrt{33}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	$\frac{5\sqrt{22}i}{2541}$	$\frac{10\sqrt{33}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{10\sqrt{33}i}{2541}$	$-\frac{5\sqrt{330}i}{2541}$	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 9

[illegible]
$$\text{bra: } [(5/2, 5/2, 3), (5/2, 3/2, 3), (5/2, 1/2, 3), (5/2, -1/2, 3), (5/2, -3/2, 3), (5/2, -5/2, 3), (7/2, 7/2, 3), (7/2, 5/2, 3), (7/2, 3/2, 3), (7/2, 1/2, 3), (7/2, -1/2, 3), (7/2, -3/2, 3), (7/2, -5/2, 3), (7/2, -7/2, 3)]$$

ket: $[(5/2, 5/2, 3), (5/2, 3/2, 3), (5/2, 1/2, 3), (5/2, -1/2, 3), (5/2, -3/2, 3), (5/2, -5/2, 3), (7/2, 7/2, 3), (7/2, 5/2, 3), (7/2, 3/2, 3), (7/2, 1/2, 3), (7/2, -1/2, 3), (7/2, -3/2, 3), (7/2, -5/2, 3), (7/2, -7/2, 3)]$

no.	type	basis
829	$\mathbb{Q}_0^{(a)}$	$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 1 \end{pmatrix}$

continued ...

表 10

no.	type	basis														
830	$\mathbb{Q}_0^{(a)}(1,1)$	$\sqrt{3}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\sqrt{3}$	$\sqrt{2}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\sqrt{2}$	$\frac{2\sqrt{3}}{3}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{3}}{3}$	$\frac{\sqrt{30}}{3}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{30}}{3}$	$\frac{\sqrt{3}}{3}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{3}}{3}$	2	0	0	0	0	0	0	0	0
		0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
		0	0	0	0	0	0	2	$-\frac{\sqrt{3}}{3}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{\sqrt{3}}{3}$	$\frac{\sqrt{30}}{3}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{\sqrt{30}}{3}$	$-\frac{2\sqrt{3}}{3}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{3}}{3}$	$\sqrt{2}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\sqrt{2}$	$-\sqrt{3}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\sqrt{3}$	0

continued ...

表 10

no.	type	basis													
831	$\mathbb{Q}_{2,2}^{(a)}$	0	0	0	0	$-\frac{\sqrt{10}}{15}$	0	0	0	0	0	0	0	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	$-\frac{2\sqrt{5}}{15}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{2\sqrt{5}}{15}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{2\sqrt{6}}{15}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{6}}{15}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{5}}{15}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{5}}{15}$	0	0
		0	0	0	0	0	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	$-\frac{\sqrt{10}}{15}$
		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	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
832	$\mathbb{Q}_{2,2}^{(a)}(1,1)$	0	0	0	$\frac{2\sqrt{21}}{21}$	$-\frac{\sqrt{210}}{21}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{\sqrt{210}}{21}$	$-\frac{\sqrt{70}}{7}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{\sqrt{105}}{21}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{\sqrt{105}}{21}$	$-\frac{2\sqrt{35}}{7}$	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{\sqrt{42}}{21}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{35}}{7}$	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{42}}{21}$	$\frac{\sqrt{105}}{21}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{105}}{21}$	$-\frac{\sqrt{70}}{7}$	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{210}}{21}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{210}}{21}$	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{21}}{21}$	
		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	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis
833	$\mathbb{Q}_{2,2}^{(a)}(1, -1)$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & \sqrt{6} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \sqrt{10} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 2\sqrt{3} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 2\sqrt{3} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{10} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{6} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$

continued ...

表 10

no.	type	basis													
834	$\mathbb{Q}_{2,1}^{(a)}$	0	0	$\frac{1}{3}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{1}{3}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{\sqrt{15}}{15}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{15}}{15}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{2}}{15}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{2}}{15}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{2}}{15}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{2}}{15}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{15}}{15}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{15}}{15}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{1}{3}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{1}{3}$
		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

continued ...

表 10

no.	type	basis												
835	$\mathbb{Q}_{2,1}^{(a)}(1,1)$	0	$-\frac{\sqrt{14}}{7}$	$\frac{4\sqrt{21}}{21}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{4\sqrt{21}}{21}$	$\frac{2\sqrt{210}}{21}$	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{14}}{7}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{2\sqrt{105}}{21}$	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{14}}{7}$	$-\frac{2\sqrt{42}}{21}$	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{2\sqrt{42}}{21}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{2\sqrt{42}}{21}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{2\sqrt{42}}{21}$	$-\frac{2\sqrt{105}}{21}$	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{14}}{7}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{210}}{21}$	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{14}}{7}$	$\frac{4\sqrt{21}}{21}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{21}}{21}$
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{14}}{7}$
		0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
836	$\mathbb{Q}_{2,1}^{(a)}(1,-1)$	0	-3	$-\frac{\sqrt{6}}{2}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$\frac{\sqrt{6}}{2}$	0	0	0	0	0	0	0	0	0	
		0	0	0	-2	$-\frac{\sqrt{10}}{2}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{\sqrt{10}}{2}$	0	0	0	0	0	0	0	
		0	0	0	0	0	-1	$-\sqrt{3}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$\sqrt{3}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$-\sqrt{3}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$\sqrt{3}$	0	0	0	0	
		0	0	0	0	0	0	0	0	1	$-\frac{\sqrt{10}}{2}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{10}}{2}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$2-\frac{\sqrt{6}}{2}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{6}}{2}$	
		0	0	0	0	0	0	0	0	0	0	0	0	3	
		0	0	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis
837	$\mathbb{Q}_{2,0}^{(a)}$	$\left(\begin{array}{cccccccccccccccc} -\frac{1}{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\frac{1}{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \frac{1}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{1}{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \frac{4}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{1}{5} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{1}{5} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{1}{3} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{1}{3} \end{array}\right)$

continued ...

表 10

no.	type	basis													
838	$\mathbb{Q}_{2,0}^{(a)}(1,1)$	$-\frac{\sqrt{21}}{7}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{21}}{7}$	$-\frac{2\sqrt{14}}{7}$	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2\sqrt{14}}{7}$	$\frac{\sqrt{21}}{7}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{21}}{7}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{\sqrt{21}}{7}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{21}}{7}$	$\frac{2\sqrt{7}}{7}$	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{7}}{7}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{2\sqrt{7}}{7}$	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{2\sqrt{7}}{7}$	$-\frac{\sqrt{21}}{7}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{\sqrt{21}}{7}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{21}}{7}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{21}}{7}$	$-\frac{2\sqrt{14}}{7}$	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{14}}{7}$	$\frac{\sqrt{21}}{7}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{21}}{7}$	0

continued ...

表 10

no.	type	basis														
839	$\mathbb{Q}_{2,0}^{(a)}(1, -1)$	$\sqrt{6}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\sqrt{6}$	-1	0	0	0	0	0	0	0	0	0	0	0	0
		0	-1	$\frac{2\sqrt{6}}{3}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{6}}{3}$	$-\frac{\sqrt{15}}{3}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{15}}{3}$	$\frac{\sqrt{6}}{3}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{6}}{3}$	$-\sqrt{2}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\sqrt{2}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\sqrt{2}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\sqrt{2}$	$-\frac{\sqrt{6}}{3}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{\sqrt{6}}{3}$	$-\frac{\sqrt{15}}{3}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{15}}{3}$	$-\frac{2\sqrt{6}}{3}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{6}}{3}$	-1	0	0	0
		0	0	0	0	0	0	0	0	0	0	-1	$-\sqrt{6}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\sqrt{6}$	0	0

continued ...

表 10

no.	type	basis														
840	$\mathbb{Q}_{2,-1}^{(a)}$	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
		$-\frac{1}{3}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{1}{3}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{\sqrt{15}}{15}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{15}}{15}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{\sqrt{2}}{15}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{2}}{15}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{2}}{15}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{2}}{15}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{\sqrt{15}}{15}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{15}}{15}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{1}{3}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{1}{3}$	0	0	0

continued ...

表 10

no.	type	basis													
841	$\mathbb{Q}_{2,-1}^{(a)}(1,1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{14}}{7}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{4\sqrt{21}}{21}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{4\sqrt{21}}{21}$	$-\frac{\sqrt{14}}{7}$	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2\sqrt{210}}{21}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{\sqrt{14}}{7}$	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{105}}{21}$	$\frac{2\sqrt{42}}{21}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{42}}{21}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{2\sqrt{42}}{21}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{2\sqrt{42}}{21}$	$\frac{\sqrt{14}}{7}$	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{2\sqrt{105}}{21}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{14}}{7}$	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{2\sqrt{210}}{21}$	$-\frac{4\sqrt{21}}{21}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{21}}{21}$	$-\frac{\sqrt{14}}{7}$	0	0

continued ...

表 10

no.	type	basis														
842	$\mathbb{Q}_{2,-1}^{(a)}(1,-1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{6}}{2}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{6}}{2}$	2	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{\sqrt{10}}{2}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{10}}{2}$	1	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\sqrt{3}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\sqrt{3}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\sqrt{3}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\sqrt{3}$	-1	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{10}}{2}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{10}}{2}$	-2	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{6}}{2}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{6}}{2}$	-3	0	0	0

continued ...

表 10

no.	type	basis														
843	$\mathbb{Q}_{2,-2}^{(a)}$	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	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
		$-\frac{\sqrt{10}}{15}$	0	0	0	0	0	0	0	0	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	$-\frac{2\sqrt{5}}{15}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{5}}{15}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{2\sqrt{6}}{15}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{6}}{15}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{2\sqrt{5}}{15}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{2\sqrt{5}}{15}$	0	0	0	0	0	0	0
		0	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	$-\frac{\sqrt{10}}{15}$	0	0	0	0	0

continued ...

表 10

no.	type	basis													
844	$\mathbb{Q}_{2,-2}^{(a)}(1,1)$	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	0	0	0	0	0	0	0	0	0	0
		$\frac{2\sqrt{21}}{21}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{210}}{21}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{210}}{21}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{70}}{7}$	$-\frac{\sqrt{105}}{21}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{105}}{21}$	$-\frac{\sqrt{42}}{21}$	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{35}}{7}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{42}}{21}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{35}}{7}$	$\frac{\sqrt{105}}{21}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{105}}{21}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{70}}{7}$	$\frac{\sqrt{210}}{21}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{210}}{21}$	$\frac{2\sqrt{21}}{21}$	0	0	0	0

continued ...

表 10

no.	type	basis
845	$\mathbb{Q}_{2,-2}^{(a)}(1,-1)$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \sqrt{6} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \sqrt{10} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 2\sqrt{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 2\sqrt{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{10} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{6} & 0 & 0 & 0 & 0 \end{array}\right)$

continued ...

表 10

no.	type	basis
846	$\mathbb{Q}_{4,4}^{(a)}$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{33} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{33} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{33} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{70}}{33} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{33} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{42}}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array} \right)$

continued ...

表 10

no.	type	basis													
847	$\mathbb{Q}_{4,4}^{(a)}(1,1)$	0	0	0	0	0	0	0	$-\frac{2\sqrt{770}}{363}$	$\frac{\sqrt{2310}}{121}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{2310}}{121}$	$\frac{10\sqrt{231}}{121}$	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{2\sqrt{385}}{363}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{231}}{121}$	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{385}}{363}$	$-\frac{\sqrt{2310}}{121}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{2310}}{121}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{770}}{363}$	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	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	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	0	0	0

continued ...

表 10

no.	type	basis
848	$\mathbb{Q}_{4,4}^{(a)}(1, -1)$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -2 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -2 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\sqrt{2} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$

continued ...

表 10

no.	type	basis														
849	$\mathbb{Q}_{4,3}^{(a)}$	(
		0	0	0	0	0	0	$-\frac{\sqrt{7}}{11}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{7}}{11}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{14}}{33}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{14}}{33}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{14}}{33}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{14}}{33}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{7}}{11}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{7}}{11}$	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	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	0	0	0	0	0	0	0	0	0	0	0	0
)														

continued ...

表 10

no.	type	basis													
850	$\mathbb{Q}_{4,3}^{(a)}(1,1)$	0	0	0	0	0	$\frac{2\sqrt{1155}}{363}$	$-\frac{8\sqrt{385}}{363}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{8\sqrt{385}}{363}$	$-\frac{4\sqrt{1155}}{121}$	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{2\sqrt{2310}}{363}$	$\frac{4\sqrt{770}}{363}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{770}}{363}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{770}}{363}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{770}}{363}$	$\frac{4\sqrt{1155}}{121}$	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{2310}}{363}$	$-\frac{8\sqrt{385}}{363}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{8\sqrt{385}}{363}$
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{1155}}{363}$
		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	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	0	0	0	0	0	0

continued ...

表 10

no.	type	basis
851	$\mathbb{Q}_{4,3}^{(a)}(1,-1)$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & \sqrt{3} & \frac{1}{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{1}{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{2} & \frac{\sqrt{2}}{2} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}}{2} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}}{2} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}}{2} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}}{2} & \frac{1}{2} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{1}{2} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\sqrt{3} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$

continued ...

表 10

no.	type	basis
852	$\mathbb{Q}_{4,2}^{(a)}$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{11} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{11} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{33} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}}{33} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{10}}{33} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{33} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}}{33} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{11} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}}{11} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array} \right)$

continued ...

表 10

no.	type	basis													
853	$\mathbb{Q}_{4,2}^{(a)}(1,1)$	0	0	0	$-\frac{10\sqrt{33}}{363}$	$\frac{7\sqrt{330}}{363}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{7\sqrt{330}}{363}$	$\frac{28\sqrt{110}}{363}$	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{6\sqrt{55}}{121}$	$-\frac{14\sqrt{165}}{363}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{14\sqrt{165}}{363}$	$-\frac{28\sqrt{55}}{363}$	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{10\sqrt{66}}{363}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{28\sqrt{55}}{363}$	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{10\sqrt{66}}{363}$	$\frac{14\sqrt{165}}{363}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{14\sqrt{165}}{363}$	$\frac{28\sqrt{110}}{363}$	0	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{6\sqrt{55}}{121}$	$-\frac{7\sqrt{330}}{363}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{7\sqrt{330}}{363}$	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{33}}{363}$	
		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	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis													
854	$\mathbb{Q}_{4,2}^{(a)}(1,-1)$	0	0	0	$-\frac{\sqrt{105}}{7}$	$-\frac{\sqrt{42}}{7}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{\sqrt{42}}{7}$	$\frac{\sqrt{14}}{14}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{\sqrt{21}}{7}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{\sqrt{21}}{7}$	$\frac{\sqrt{7}}{7}$	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{\sqrt{210}}{14}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{7}}{7}$	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{210}}{14}$	$\frac{\sqrt{21}}{7}$	0	0	
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{21}}{7}$	$\frac{\sqrt{14}}{14}$	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{42}}{7}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{42}}{7}$	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{105}}{7}$	
		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	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis													
855	$\mathbb{Q}_{4,1}^{(a)}$	0	0	$-\frac{\sqrt{30}}{33}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{\sqrt{30}}{33}$	0	0	0	0	0	0	0	0	0	
		0	0	0	0	$\frac{4\sqrt{2}}{33}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{4\sqrt{2}}{33}$	0	0	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{\sqrt{15}}{33}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{\sqrt{15}}{33}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{15}}{33}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{15}}{33}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{2}}{33}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{2}}{33}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{30}}{33}$	
		0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis												
856	$\mathbb{Q}_{4,1}^{(a)}(1,1)$	0	$\frac{10\sqrt{11}}{363}$	$-\frac{10\sqrt{66}}{363}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{10\sqrt{66}}{363}$	$-\frac{14\sqrt{165}}{363}$	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{40\sqrt{11}}{363}$	$\frac{6\sqrt{110}}{121}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{6\sqrt{110}}{121}$	$\frac{14\sqrt{330}}{363}$	0	0	0	0	0	0
		0	0	0	0	0	$\frac{50\sqrt{11}}{363}$	$-\frac{20\sqrt{33}}{363}$	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{20\sqrt{33}}{363}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{20\sqrt{33}}{363}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{20\sqrt{33}}{363}$	$-\frac{14\sqrt{330}}{363}$	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{50\sqrt{11}}{363}$	$\frac{6\sqrt{110}}{121}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{6\sqrt{110}}{121}$	$\frac{14\sqrt{165}}{363}$	0
		0	0	0	0	0	0	0	0	0	0	$\frac{40\sqrt{11}}{363}$	$-\frac{10\sqrt{66}}{363}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{66}}{363}$
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{11}}{363}$
		0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
857	$\mathbb{Q}_{4,1}^{(a)}(1,-1)$	0	$\frac{\sqrt{35}}{7}$	$\frac{\sqrt{210}}{14}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{\sqrt{210}}{14}$	$-\frac{\sqrt{21}}{7}$	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{\sqrt{35}}{7}$	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{\sqrt{42}}{14}$	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{35}}{7}$	$-\frac{\sqrt{105}}{14}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{\sqrt{105}}{14}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{\sqrt{105}}{14}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{\sqrt{105}}{14}$	$\frac{\sqrt{42}}{14}$	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{\sqrt{35}}{7}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{21}}{7}$	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{35}}{7}$	$\frac{\sqrt{210}}{14}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{210}}{14}$	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{35}}{7}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis														
858	$\mathbb{Q}_{4,0}^{(a)}$	$\frac{1}{11}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{1}{11}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{7}{33}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{7}{33}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{1}{33}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{1}{33}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{2}{11}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{2}{11}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{1}{33}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{1}{33}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{7}{33}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{7}{33}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{1}{11}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{1}{11}$	0

continued ...

表 10

no.	type	basis												
859	$\mathbb{Q}_{4,0}^{(a)}(1,1)$	$\frac{5\sqrt{55}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{5\sqrt{55}}{363}$	$\frac{5\sqrt{330}}{363}$	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{330}}{363}$	$-\frac{20\sqrt{55}}{363}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{20\sqrt{55}}{363}$	$-\frac{15\sqrt{22}}{121}$	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{15\sqrt{22}}{121}$	$\frac{25\sqrt{55}}{363}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{25\sqrt{55}}{363}$	$\frac{10\sqrt{165}}{363}$	0	0	0	0	0	0
		0	0	0	0	0	$\frac{10\sqrt{165}}{363}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{10\sqrt{165}}{363}$	0	0	0	0	0
		0	0	0	0	0	0	$\frac{10\sqrt{165}}{363}$	$-\frac{25\sqrt{55}}{363}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{25\sqrt{55}}{363}$	$-\frac{15\sqrt{22}}{121}$	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{15\sqrt{22}}{121}$	$\frac{20\sqrt{55}}{363}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{20\sqrt{55}}{363}$	$\frac{5\sqrt{330}}{363}$	0
		0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{330}}{363}$	$-\frac{5\sqrt{55}}{363}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{55}}{363}$

continued ...

表 10

no.	type	basis													
860	$\mathbb{Q}_{4,0}^{(a)}(1, -1)$	$-\frac{2\sqrt{7}}{7}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{2\sqrt{7}}{7}$	$\frac{\sqrt{42}}{7}$	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{42}}{7}$	$\frac{2\sqrt{7}}{7}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{7}}{7}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{2\sqrt{7}}{7}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{7}}{7}$	$-\frac{\sqrt{21}}{7}$	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{21}}{7}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{21}}{7}$	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{21}}{7}$	$-\frac{2\sqrt{7}}{7}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{2\sqrt{7}}{7}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{7}}{7}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{7}}{7}$	$\frac{\sqrt{42}}{7}$	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{42}}{7}$	$\frac{2\sqrt{7}}{7}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{7}}{7}$	0

continued ...

表 10

no.	type	basis													
861	$\mathbb{Q}_{4,-1}^{(a)}$	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
		$\frac{\sqrt{30}}{33}$	0	0	0	0	0	0	0	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	$-\frac{4\sqrt{2}}{33}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{4\sqrt{2}}{33}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{\sqrt{15}}{33}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{15}}{33}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{15}}{33}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{15}}{33}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{4\sqrt{2}}{33}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{2}}{33}$	0	0	0	0
		0	0	0	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	$-\frac{\sqrt{30}}{33}$	0	0

continued ...

表 10

no.	type	basis													
862	$\mathbb{Q}_{4,-1}^{(a)}(1,1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{10\sqrt{11}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{10\sqrt{66}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{10\sqrt{66}}{363}$	$\frac{40\sqrt{11}}{363}$	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{14\sqrt{165}}{363}$	$-\frac{6\sqrt{110}}{121}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{6\sqrt{110}}{121}$	$-\frac{50\sqrt{11}}{363}$	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{14\sqrt{330}}{363}$	$\frac{20\sqrt{33}}{363}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{20\sqrt{33}}{363}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{20\sqrt{33}}{363}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{20\sqrt{33}}{363}$	$\frac{50\sqrt{11}}{363}$	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{14\sqrt{330}}{363}$	$-\frac{6\sqrt{110}}{121}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{6\sqrt{110}}{121}$	$-\frac{40\sqrt{11}}{363}$	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{14\sqrt{165}}{363}$	$\frac{10\sqrt{66}}{363}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{66}}{363}$	$\frac{10\sqrt{11}}{363}$	0	0

continued ...

表 10

no.	type	basis														
863	$\mathbb{Q}_{4,-1}^{(a)}(1, -1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{35}}{7}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{210}}{14}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{210}}{14}$	$\frac{\sqrt{35}}{7}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{21}}{7}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{\sqrt{35}}{7}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{42}}{14}$	$\frac{\sqrt{105}}{14}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{105}}{14}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{105}}{14}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{105}}{14}$	$-\frac{\sqrt{35}}{7}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{42}}{14}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{35}}{7}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{21}}{7}$	$-\frac{\sqrt{210}}{14}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{210}}{14}$	$\frac{\sqrt{35}}{7}$	0	0	0

continued ...

表 10

no.	type	basis														
864	$\mathbb{Q}_{4,-2}^{(a)}$	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	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
		$\frac{\sqrt{6}}{11}$	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	0	0	0	0	0	0	0
		0	0	$-\frac{\sqrt{3}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{3}}{33}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{2\sqrt{10}}{33}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{10}}{33}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{3}}{33}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{3}}{33}$	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
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{6}}{11}$	0	0	0	0	0

continued ...

表 10

no.	type	basis														
865	$\mathbb{Q}_{4,-2}^{(a)}(1,1)$	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	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{10\sqrt{33}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{7\sqrt{330}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{7\sqrt{330}}{363}$	$\frac{6\sqrt{55}}{121}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{28\sqrt{110}}{363}$	$-\frac{14\sqrt{165}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{14\sqrt{165}}{363}$	$-\frac{10\sqrt{66}}{363}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{28\sqrt{55}}{363}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{10\sqrt{66}}{363}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{28\sqrt{55}}{363}$	$\frac{14\sqrt{165}}{363}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{14\sqrt{165}}{363}$	$\frac{6\sqrt{55}}{121}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{28\sqrt{110}}{363}$	$-\frac{7\sqrt{330}}{363}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{7\sqrt{330}}{363}$	$-\frac{10\sqrt{33}}{363}$	0	0	0	0	0

continued ...

表 10

no.	type	basis														
866	$\mathbb{Q}_{4,-2}^{(a)}(1,-1)$	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	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{105}}{7}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{42}}{7}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{42}}{7}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{14}}{14}$	$-\frac{\sqrt{21}}{7}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{21}}{7}$	$\frac{\sqrt{210}}{14}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{7}}{7}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{210}}{14}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{7}}{7}$	$\frac{\sqrt{21}}{7}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{21}}{7}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{14}}{14}$	$\frac{\sqrt{42}}{7}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{42}}{7}$	$-\frac{\sqrt{105}}{7}$	0	0	0	0	0

continued ...

表 10

no.	type	basis															
867	$\mathbb{Q}_{4,-3}^{(a)}$	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
		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
		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
		$\frac{\sqrt{7}}{11}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{7}}{11}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{\sqrt{14}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{14}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{\sqrt{14}}{33}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{14}}{33}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{7}}{11}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{7}}{11}$	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
868	$\mathbb{Q}_{4,-3}^{(a)}(1,1)$	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	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	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{2\sqrt{1155}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{8\sqrt{385}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{8\sqrt{385}}{363}$	$\frac{2\sqrt{2310}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{4\sqrt{1155}}{121}$	$-\frac{4\sqrt{770}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{4\sqrt{770}}{363}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{4\sqrt{770}}{363}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{4\sqrt{770}}{363}$	$-\frac{2\sqrt{2310}}{363}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{4\sqrt{1155}}{121}$	$\frac{8\sqrt{385}}{363}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{8\sqrt{385}}{363}$	$\frac{2\sqrt{1155}}{363}$	0	0	0	0	0	0

continued ...

表 10

no.	type	basis
869	$\mathbb{Q}_{4,-3}^{(a)}(1,-1)$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\sqrt{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\frac{1}{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \frac{1}{2} & -\frac{\sqrt{6}}{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -\frac{\sqrt{2}}{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \frac{\sqrt{2}}{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{\sqrt{2}}{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}}{2} & \frac{\sqrt{6}}{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\frac{1}{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{1}{2} & \sqrt{3} & 0 & 0 & 0 & 0 & 0 \end{array}\right)$

continued ...

表 10

no.	type	basis															
870	$\mathbb{Q}_{4,-4}^{(a)}$	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	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	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	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	0	0	0	0
		$\frac{\sqrt{42}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{42}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{\sqrt{70}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{70}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{\sqrt{42}}{33}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{42}}{33}$	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
871	$\mathbb{Q}_{4,-4}^{(a)}(1,1)$	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
		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
		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
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{2\sqrt{770}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{2310}}{121}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{2310}}{121}$	$\frac{2\sqrt{385}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{10\sqrt{231}}{121}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{2\sqrt{385}}{363}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{10\sqrt{231}}{121}$	$-\frac{\sqrt{2310}}{121}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{2310}}{121}$	$-\frac{2\sqrt{770}}{363}$	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis
872	$\mathbb{Q}_{4,-4}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -2 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & -2 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 10

no.	type	basis															
873	$\mathbb{Q}_{6,6}^{(a)}$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{10\sqrt{231}}{429} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{10\sqrt{231}}{429} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array} \right)$															

continued ...

表 10

no.	type	basis
874	$\mathbb{Q}_{6,6}^{(a)}(1,-1)$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{21}}{33} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{21}}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array} \right)$

continued ...

表 10

no.	type	basis															
875	$\mathbb{Q}_{6,5}^{(a)}$	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	$\frac{5\sqrt{462}}{429}$	0	0		
		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	$-\frac{5\sqrt{462}}{429}$		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	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	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		
		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	0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	0	0	0	0	0		

continued ...

表 10

no.	type	basis														
876	$\mathbb{Q}_{6,5}^{(a)}(1,-1)$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{70}}{33} & -\frac{5\sqrt{7}}{33} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{7}}{33} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{5\sqrt{7}}{33} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{7}}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{5\sqrt{70}}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$														

continued ...

表 10

no.	type	basis													
877	$\mathbb{Q}_{6,4}^{(a)}$	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{210}}{429}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{210}}{429}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{14}}{143}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{14}}{143}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{210}}{429}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{210}}{429}$
		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	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	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	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
878	$\mathbb{Q}_{6,4}^{(a)}(1,-1)$	0	0	0	0	0	0	0	$\frac{10\sqrt{1155}}{363}$	$\frac{10\sqrt{385}}{363}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{385}}{363}$	$-\frac{5\sqrt{154}}{363}$	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{2310}}{363}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{154}}{363}$	0	
		0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{2310}}{363}$	$-\frac{10\sqrt{385}}{363}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{385}}{363}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{1155}}{363}$	
		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	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	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	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis													
879	$\mathbb{Q}_{6,3}^{(a)}$	0	0	0	0	0	0	$\frac{10\sqrt{21}}{429}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{10\sqrt{21}}{429}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{5\sqrt{42}}{143}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{42}}{143}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{42}}{143}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{42}}{143}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{21}}{429}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{21}}{429}$
		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	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	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
880	$\mathbb{Q}_{6,3}^{(a)}(1, -1)$	0	0	0	0	0	$-\frac{10\sqrt{462}}{363}$	$-\frac{5\sqrt{154}}{121}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{5\sqrt{154}}{121}$	$\frac{5\sqrt{462}}{363}$	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{20\sqrt{231}}{363}$	$\frac{5\sqrt{77}}{121}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{77}}{121}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{77}}{121}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{77}}{121}$	$-\frac{5\sqrt{462}}{363}$	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{20\sqrt{231}}{363}$	$-\frac{5\sqrt{154}}{121}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{154}}{121}$
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{462}}{363}$
		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	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	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
881	$\mathbb{Q}_{6,2}^{(a)}$	0	0	0	0	$-\frac{10\sqrt{7}}{429}$	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	0	0
		0	0	0	0	0	0	$\frac{20\sqrt{14}}{429}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{20\sqrt{14}}{429}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{10\sqrt{105}}{429}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{105}}{429}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{20\sqrt{14}}{429}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{20\sqrt{14}}{429}$	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	0	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
		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	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
882	$\mathbb{Q}_{6,2}^{(a)}(1,-1)$	0	0	0	$\frac{10\sqrt{1155}}{1089}$	$\frac{20\sqrt{462}}{1089}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{20\sqrt{462}}{1089}$	$-\frac{10\sqrt{154}}{363}$	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{10\sqrt{77}}{121}$	$-\frac{40\sqrt{231}}{1089}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{40\sqrt{231}}{1089}$	$\frac{10\sqrt{77}}{363}$	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{10\sqrt{2310}}{1089}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{10\sqrt{77}}{363}$	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{10\sqrt{2310}}{1089}$	$\frac{40\sqrt{231}}{1089}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{40\sqrt{231}}{1089}$	$-\frac{10\sqrt{154}}{363}$	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{77}}{121}$	$-\frac{20\sqrt{462}}{1089}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{20\sqrt{462}}{1089}$	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{1155}}{1089}$	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	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis													
883	$\mathbb{Q}_{6,1}^{(a)}$	0	0	$\frac{5\sqrt{7}}{429}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$\frac{5\sqrt{7}}{429}$	0	0	0	0	0	0	0	0	0	
		0	0	0	0	$-\frac{5\sqrt{105}}{429}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{5\sqrt{105}}{429}$	0	0	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{25\sqrt{14}}{429}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{25\sqrt{14}}{429}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{25\sqrt{14}}{429}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{25\sqrt{14}}{429}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{105}}{429}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{105}}{429}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{7}}{429}$	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{7}}{429}$	
		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	

continued ...

表 10

no.	type	basis												
884	$\mathbb{Q}_{6,1}^{(a)}(1, -1)$	0	$-\frac{5\sqrt{77}}{363}$	$-\frac{25\sqrt{462}}{2178}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{25\sqrt{462}}{2178}$	$\frac{10\sqrt{1155}}{1089}$	0	0	0	0	0	0	0	0
		0	0	0	$\frac{20\sqrt{77}}{363}$	$\frac{5\sqrt{770}}{242}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{5\sqrt{770}}{242}$	$-\frac{10\sqrt{2310}}{1089}$	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{25\sqrt{77}}{363}$	$-\frac{25\sqrt{231}}{1089}$	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{25\sqrt{231}}{1089}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{25\sqrt{231}}{1089}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{25\sqrt{231}}{1089}$	$\frac{10\sqrt{2310}}{1089}$	0	0	0
		0	0	0	0	0	0	0	0	$\frac{25\sqrt{77}}{363}$	$\frac{5\sqrt{770}}{242}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{770}}{242}$	$-\frac{10\sqrt{1155}}{1089}$	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{20\sqrt{77}}{363}$	$-\frac{25\sqrt{462}}{2178}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{25\sqrt{462}}{2178}$
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{77}}{363}$
		0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
885	$\mathbb{Q}_{6,0}^{(a)}$	$-\frac{5}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	
		0	$-\frac{5}{429}$	0	0	0	0	0	0	0	0	0	0	0	
		0	0	$\frac{10}{143}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$\frac{10}{143}$	0	0	0	0	0	0	0	0	0	
		0	0	0	0	$-\frac{25}{143}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{25}{143}$	0	0	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{100}{429}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{100}{429}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{25}{143}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{25}{143}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{10}{143}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{10}{143}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5}{429}$	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5}{429}$	

continued ...

表 10

no.	type	basis													
886	$\mathbb{Q}_{6,0}^{(a)}(1,-1)$	$\frac{5\sqrt{66}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{5\sqrt{66}}{363}$	$-\frac{25\sqrt{11}}{363}$	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{25\sqrt{11}}{363}$	$-\frac{20\sqrt{66}}{363}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{20\sqrt{66}}{363}$	$\frac{5\sqrt{165}}{121}$	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{5\sqrt{165}}{121}$	$\frac{25\sqrt{66}}{363}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{25\sqrt{66}}{363}$	$-\frac{25\sqrt{22}}{363}$	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{25\sqrt{22}}{363}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{25\sqrt{22}}{363}$	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{25\sqrt{22}}{363}$	$-\frac{25\sqrt{66}}{363}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{25\sqrt{66}}{363}$	$\frac{5\sqrt{165}}{121}$	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{5\sqrt{165}}{121}$	$\frac{20\sqrt{66}}{363}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{20\sqrt{66}}{363}$	$-\frac{25\sqrt{11}}{363}$	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{25\sqrt{11}}{363}$	$-\frac{5\sqrt{66}}{363}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{66}}{363}$	0

continued ...

表 10

no.	type	basis														
887	$\mathbb{Q}_{6,-1}^{(a)}$	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
		$-\frac{5\sqrt{7}}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{5\sqrt{7}}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{5\sqrt{105}}{429}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{5\sqrt{105}}{429}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{25\sqrt{14}}{429}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{25\sqrt{14}}{429}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{25\sqrt{14}}{429}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{25\sqrt{14}}{429}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{5\sqrt{105}}{429}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{105}}{429}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{7}}{429}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{7}}{429}$	0	0	0

continued ...

表 10

no.	type	basis													
888	$\mathbb{Q}_{6,-1}^{(a)}(1, -1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{5\sqrt{77}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{25\sqrt{462}}{2178}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{25\sqrt{462}}{2178}$	$-\frac{20\sqrt{77}}{363}$	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{10\sqrt{1155}}{1089}$	$-\frac{5\sqrt{770}}{242}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{5\sqrt{770}}{242}$	$\frac{25\sqrt{77}}{363}$	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{10\sqrt{2310}}{1089}$	$\frac{25\sqrt{231}}{1089}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{25\sqrt{231}}{1089}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{25\sqrt{231}}{1089}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{25\sqrt{231}}{1089}$	$-\frac{25\sqrt{77}}{363}$	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{10\sqrt{2310}}{1089}$	$-\frac{5\sqrt{770}}{242}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{5\sqrt{770}}{242}$	$\frac{20\sqrt{77}}{363}$	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{10\sqrt{1155}}{1089}$	$\frac{25\sqrt{462}}{2178}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{25\sqrt{462}}{2178}$	$-\frac{5\sqrt{77}}{363}$	0	0

continued ...

表 10

no.	type	basis													
889	$\mathbb{Q}_{6,-2}^{(a)}$	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	0	0	0	0	0	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	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	$\frac{20\sqrt{14}}{429}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$\frac{20\sqrt{14}}{429}$	0	0	0	0	0	0	0	0	0	
		0	0	0	0	$-\frac{10\sqrt{105}}{429}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{10\sqrt{105}}{429}$	0	0	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{20\sqrt{14}}{429}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{20\sqrt{14}}{429}$	0	0	0	0	0	
		0	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	$-\frac{10\sqrt{7}}{429}$	0	0	0	

continued ...

表 10

no.	type	basis														
890	$\mathbb{Q}_{6,-2}^{(a)}(1,-1)$	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	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{10\sqrt{1155}}{1089}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{20\sqrt{462}}{1089}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{20\sqrt{462}}{1089}$	$-\frac{10\sqrt{77}}{121}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{10\sqrt{154}}{363}$	$-\frac{40\sqrt{231}}{1089}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{40\sqrt{231}}{1089}$	$\frac{10\sqrt{2310}}{1089}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{10\sqrt{77}}{363}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{10\sqrt{2310}}{1089}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{10\sqrt{77}}{363}$	$\frac{40\sqrt{231}}{1089}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{40\sqrt{231}}{1089}$	$-\frac{10\sqrt{77}}{121}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{10\sqrt{154}}{363}$	$-\frac{20\sqrt{462}}{1089}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{20\sqrt{462}}{1089}$	$\frac{10\sqrt{1155}}{1089}$	0	0	0	0	0

continued ...

表 10

no.	type	basis															
891	$\mathbb{Q}_{6,-3}^{(a)}$	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
		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
		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
		$-\frac{10\sqrt{21}}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{10\sqrt{21}}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{5\sqrt{42}}{143}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{5\sqrt{42}}{143}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{5\sqrt{42}}{143}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{5\sqrt{42}}{143}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{10\sqrt{21}}{429}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{10\sqrt{21}}{429}$	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
892	$\mathbb{Q}_{6,-3}^{(a)}(1,-1)$	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	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	0	0	0	0	0	0	0	0	0	0	0
		$\frac{10\sqrt{462}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{5\sqrt{154}}{121}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{5\sqrt{154}}{121}$	$-\frac{20\sqrt{231}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{5\sqrt{462}}{363}$	$-\frac{5\sqrt{77}}{121}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{5\sqrt{77}}{121}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{5\sqrt{77}}{121}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{77}}{121}$	$\frac{20\sqrt{231}}{363}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{462}}{363}$	$\frac{5\sqrt{154}}{121}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{5\sqrt{154}}{121}$	$-\frac{10\sqrt{462}}{363}$	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
893	$\mathbb{Q}_{6,-4}^{(a)}$	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	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	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	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	0	0	0	0
		$-\frac{5\sqrt{210}}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{5\sqrt{210}}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{10\sqrt{14}}{143}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{10\sqrt{14}}{143}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{5\sqrt{210}}{429}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{5\sqrt{210}}{429}$	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
894	$\mathbb{Q}_{6,-4}^{(a)}(1,-1)$	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	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	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	0	0	0	0	0	0	0	0	0
		$\frac{10\sqrt{1155}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{10\sqrt{385}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{10\sqrt{385}}{363}$	$-\frac{5\sqrt{2310}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{5\sqrt{154}}{363}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{5\sqrt{2310}}{363}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{5\sqrt{154}}{363}$	$-\frac{10\sqrt{385}}{363}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{10\sqrt{385}}{363}$	$\frac{10\sqrt{1155}}{363}$	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
895	$\mathbb{Q}_{6,-5}^{(a)}$	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
		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
		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
		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
		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
		0	0	0	0	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	$-\frac{5\sqrt{462}}{429}$	0	0	0	0	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	$\frac{5\sqrt{462}}{429}$	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
896	$\mathbb{Q}_{6,-5}^{(a)}(1,-1)$	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
		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
		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
		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
		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
		$\frac{5\sqrt{70}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{5\sqrt{7}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{5\sqrt{7}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{5\sqrt{7}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{5\sqrt{7}}{33}$	$-\frac{5\sqrt{70}}{33}$	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
897	$\mathbb{Q}_{6,-6}^{(a)}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	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	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	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	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	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	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{10\sqrt{231}}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{10\sqrt{231}}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
898	$\mathbb{Q}_{6,-6}^{(a)}(1,-1)$	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
		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
		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
		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
		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
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{10\sqrt{21}}{33}$	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	0	0	0	0	0	0
		0	0	$\frac{10\sqrt{21}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
899	$M_{1,1}^{(a)}$	0	0	$-\sqrt{3}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\sqrt{3}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\sqrt{5}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\sqrt{5}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\sqrt{6}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\sqrt{6}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\sqrt{6}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\sqrt{6}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\sqrt{5}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\sqrt{5}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\sqrt{3}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\sqrt{3}$
		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

continued ...

表 10

no.	type	basis													
900	$\mathbb{M}_{1,1}^{(a)}(1,1)$	0	$-\frac{\sqrt{5}}{15}$	$\frac{\sqrt{30}}{30}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{\sqrt{30}}{30}$	$\frac{2\sqrt{3}}{15}$	0	0	0	0	0	0	0	0	
		0	0	0	0	$\frac{\sqrt{2}}{10}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{2}}{10}$	$\frac{2\sqrt{6}}{15}$	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{\sqrt{5}}{25}$	$\frac{\sqrt{15}}{75}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{\sqrt{15}}{75}$	$\frac{4\sqrt{5}}{25}$	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{4\sqrt{5}}{75}$	$-\frac{\sqrt{15}}{75}$	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{\sqrt{15}}{75}$	$\frac{2\sqrt{6}}{15}$	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{\sqrt{5}}{25}$	$-\frac{\sqrt{2}}{10}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{2}}{10}$	$\frac{2\sqrt{3}}{15}$	0	0	
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{30}}{30}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{30}}{30}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{5}}{15}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis
901	$\mathbb{M}_{1,1}^{(a)}(1,-1)$	$\begin{pmatrix} 0 & -\sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -\sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\sqrt{2} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\sqrt{2} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\sqrt{2} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 10

no.	type	basis
902	$M_{1,0}^{(a)}$	$\left(\begin{array}{cccccccccccccccc} 3 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 3 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 2 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 2 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -2 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -2 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -3 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -3 \end{array}\right)$

continued ...

表 10

no.	type	basis													
903	$\mathbb{M}_{1,0}^{(a)}(1,1)$	$-\frac{\sqrt{10}}{15}$	0	0	0	0	0	0	0	0	0	0	0	0	
		0	$\frac{\sqrt{10}}{15}$	$-\frac{\sqrt{15}}{15}$	0	0	0	0	0	0	0	0	0	0	
		0	$-\frac{\sqrt{15}}{15}$	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	$-\frac{1}{5}$	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{1}{5}$	$\frac{\sqrt{10}}{25}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{10}}{25}$	$-\frac{\sqrt{30}}{75}$	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{30}}{75}$	$\frac{4\sqrt{10}}{75}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{4\sqrt{10}}{75}$	$\frac{\sqrt{30}}{75}$	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{\sqrt{30}}{75}$	$\frac{\sqrt{10}}{25}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{10}}{25}$	$\frac{1}{5}$	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{1}{5}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{15}}{15}$	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{15}}{15}$	$-\frac{\sqrt{10}}{15}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{10}}{15}$	

continued ...

表 10

no.	type	basis
904	$\mathbb{M}_{1,0}^{(a)}(1,-1)$	$\begin{pmatrix} 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 \end{pmatrix}$

continued ...

表 10

no.	type	basis
905	$M_{1,-1}^{(a)}$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \sqrt{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \sqrt{3} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \sqrt{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \sqrt{5} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \sqrt{6} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \sqrt{6} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{6} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{6} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{5} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{5} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{3} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{3} & 0 & 0 \end{array}\right)$

continued ...

表 10

no.	type	basis														
906	$M_{1,-1}^{(a)}(1,1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{5}}{15}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{30}}{30}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{30}}{30}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2\sqrt{3}}{15}$	$-\frac{\sqrt{2}}{10}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{2}}{10}$	$-\frac{\sqrt{5}}{25}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{6}}{15}$	$-\frac{\sqrt{15}}{75}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{15}}{75}$	$-\frac{4\sqrt{5}}{75}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{4\sqrt{5}}{25}$	$\frac{\sqrt{15}}{75}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{15}}{75}$	$-\frac{\sqrt{5}}{25}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{2\sqrt{6}}{15}$	$\frac{\sqrt{2}}{10}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{2}}{10}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{2\sqrt{3}}{15}$	$\frac{\sqrt{30}}{30}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{30}}{30}$	$\frac{\sqrt{5}}{15}$	0	0	0

continued ...

表 10

no.	type	basis
907	$M_{1,-1}^{(a)}(1,-1)$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ \sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 \end{array}\right)$

continued ...

表 10

no.	type	basis
908	$\mathbb{M}_{3,3}^{(a)}$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$

continued ...

表 10

no.	type	basis													
909	$M_{3,3}^{(a)}(1, 1)$	0	0	0	0	0	$\frac{\sqrt{3}}{33}$	$-\frac{7}{66}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{7}{66}$	$-\frac{14\sqrt{3}}{99}$	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{6}}{198}$	$-\frac{7\sqrt{2}}{198}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{7\sqrt{2}}{198}$	$-\frac{14\sqrt{5}}{99}$	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{2\sqrt{5}}{99}$	$\frac{7\sqrt{2}}{198}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{7\sqrt{2}}{198}$	$-\frac{14\sqrt{3}}{99}$	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{6}}{198}$	$\frac{7}{66}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{7}{66}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{3}}{33}$
		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	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	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis
910	$\mathbb{M}_{3,3}^{(a)}(1, -1)$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{10}}{15} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{4\sqrt{3}}{15} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{10}}{15} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{2\sqrt{5}}{15} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$

continued ...

表 10

no.	type	basis
911	$\mathbb{M}_{3,2}^{(a)}$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & -\sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -\sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$

continued ...

表 10

no.	type	basis														
912	$\mathbb{M}_{3,2}^{(a)}(1,1)$	0	0	0	$-\frac{\sqrt{5}}{33}$	$\frac{\sqrt{2}}{11}$	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{2}}{11}$	$\frac{7\sqrt{6}}{66}$	0	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{4\sqrt{3}}{99}$	$-\frac{1}{33}$	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{1}{33}$	$\frac{7\sqrt{3}}{99}$	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{\sqrt{10}}{66}$	$-\frac{2\sqrt{30}}{99}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{2\sqrt{30}}{99}$	$-\frac{7\sqrt{3}}{99}$	0	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{10}}{66}$	$-\frac{1}{33}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{1}{33}$	$-\frac{7\sqrt{6}}{66}$	0	0	
		0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{3}}{99}$	$\frac{\sqrt{2}}{11}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{2}}{11}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{5}}{33}$	
		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	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis														
913	$\mathbb{M}_{3,2}^{(a)}(1,-1)$	0	0	0	$-\frac{2\sqrt{3}}{9}$	$-\frac{\sqrt{30}}{45}$	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{\sqrt{30}}{45}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{2\sqrt{5}}{15}$	$-\frac{2\sqrt{15}}{45}$	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{2\sqrt{15}}{45}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{2\sqrt{6}}{45}$	$-\frac{2\sqrt{2}}{15}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{2}}{15}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{6}}{45}$	$-\frac{2\sqrt{15}}{45}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{15}}{45}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{5}}{15}$	$-\frac{\sqrt{30}}{45}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{30}}{45}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{3}}{9}$	
		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	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis
914	$\mathbb{M}_{3,1}^{(a)}$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$

continued ...

表 10

no.	type	basis													
915	$\mathbb{M}_{3,1}^{(a)}(1,1)$	0	$\frac{\sqrt{3}}{33}$	$-\frac{5\sqrt{2}}{66}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$\frac{5\sqrt{2}}{66}$	$-\frac{\sqrt{5}}{11}$	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{7\sqrt{3}}{99}$	$\frac{2\sqrt{30}}{99}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{2\sqrt{30}}{99}$	$\frac{\sqrt{10}}{66}$	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{\sqrt{3}}{99}$	$\frac{5}{66}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{5}{66}$	$\frac{10\sqrt{3}}{99}$	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{2\sqrt{3}}{33}$	$-\frac{5}{66}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{5}{66}$	$\frac{\sqrt{10}}{66}$	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{\sqrt{3}}{99}$	$-\frac{2\sqrt{30}}{99}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{30}}{99}$	$-\frac{\sqrt{5}}{11}$	0	
		0	0	0	0	0	0	0	0	0	0	$-\frac{7\sqrt{3}}{99}$	$\frac{5\sqrt{2}}{66}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{2}}{66}$	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{3}}{33}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis													
916	$\mathbb{M}_{3,1}^{(a)}(1, -1)$	0	$\frac{2\sqrt{5}}{15}$	$\frac{2\sqrt{30}}{45}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{2\sqrt{30}}{45}$	$-\frac{2\sqrt{3}}{45}$	0	0	0	0	0	0	0	0	
		0	0	0	0	$\frac{2\sqrt{2}}{15}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{2\sqrt{2}}{15}$	$-\frac{2\sqrt{6}}{45}$	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{2\sqrt{5}}{25}$	$\frac{4\sqrt{15}}{225}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{4\sqrt{15}}{225}$	$-\frac{4\sqrt{5}}{75}$	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{8\sqrt{5}}{75}$	$-\frac{4\sqrt{15}}{225}$	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{4\sqrt{15}}{225}$	$-\frac{2\sqrt{6}}{45}$	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{2\sqrt{5}}{25}$	$-\frac{2\sqrt{2}}{15}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{2}}{15}$	$-\frac{2\sqrt{3}}{45}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{30}}{45}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{30}}{45}$	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{5}}{15}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis													
918	$M_{3,0}^{(a)}(1, 1)$	$\frac{2}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2}{33}$	$\frac{5\sqrt{6}}{99}$	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{6}}{99}$	$-\frac{14}{99}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{14}{99}$	$-\frac{4\sqrt{10}}{99}$	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{4\sqrt{10}}{99}$	$\frac{2}{99}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2}{99}$	$-\frac{5\sqrt{3}}{99}$	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{5\sqrt{3}}{99}$	$\frac{4}{33}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{4}{33}$	$\frac{5\sqrt{3}}{99}$	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{5\sqrt{3}}{99}$	$\frac{2}{99}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{2}{99}$	$\frac{4\sqrt{10}}{99}$	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{4\sqrt{10}}{99}$	$-\frac{14}{99}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{14}{99}$	$-\frac{5\sqrt{6}}{99}$	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{6}}{99}$	$\frac{2}{33}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{2}{33}$	0

continued ...

表 10

no.	type	basis													
919	$\mathbb{M}_{3,0}^{(a)}(1,-1)$	$-\frac{\sqrt{15}}{15}$	0	0	0	0	0	0	0	0	0	0	0	0	
		0	$\frac{\sqrt{15}}{15}$	$\frac{\sqrt{10}}{15}$	0	0	0	0	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	$\frac{\sqrt{6}}{15}$	0	0	0	0	0	0	0	0	
		0	0	0	$\frac{\sqrt{6}}{15}$	$\frac{\sqrt{15}}{25}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{15}}{25}$	$\frac{2\sqrt{5}}{75}$	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{2\sqrt{5}}{75}$	$\frac{4\sqrt{15}}{75}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{4\sqrt{15}}{75}$	$-\frac{2\sqrt{5}}{75}$	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{2\sqrt{5}}{75}$	$\frac{\sqrt{15}}{25}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{15}}{25}$	$-\frac{\sqrt{6}}{15}$	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{6}}{15}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{10}}{15}$	0	
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{10}}{15}$	$-\frac{\sqrt{15}}{15}$	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{15}}{15}$	

continued ...

表 10

no.	type	basis														
920	$\mathbb{M}_{3,-1}^{(a)}$	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
		$-\sqrt{2}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\sqrt{2}$	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	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	1	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	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\sqrt{2}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\sqrt{2}$	0	0	0

continued ...

表 10

no.	type	basis														
921	$M_{3,-1}^{(a)}(1,1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{3}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{5\sqrt{2}}{66}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{5\sqrt{2}}{66}$	$\frac{7\sqrt{3}}{99}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{5}}{11}$	$-\frac{2\sqrt{30}}{99}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{2\sqrt{30}}{99}$	$-\frac{\sqrt{3}}{99}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{10}}{66}$	$-\frac{5}{66}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5}{66}$	$-\frac{2\sqrt{3}}{33}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{10\sqrt{3}}{99}$	$\frac{5}{66}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{5}{66}$	$-\frac{\sqrt{3}}{99}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{10}}{66}$	$\frac{2\sqrt{30}}{99}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{2\sqrt{30}}{99}$	$\frac{7\sqrt{3}}{99}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{\sqrt{5}}{11}$	$-\frac{5\sqrt{2}}{66}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{2}}{66}$	$-\frac{\sqrt{3}}{33}$	0	0	0

continued ...

表 10

no.	type	basis													
922	$\mathbb{M}_{3,-1}^{(a)}(1,-1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{2\sqrt{5}}{15}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{2\sqrt{30}}{45}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{2\sqrt{30}}{45}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{2\sqrt{3}}{45}$	$-\frac{2\sqrt{2}}{15}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{2\sqrt{2}}{15}$	$\frac{2\sqrt{5}}{25}$	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{2\sqrt{6}}{45}$	$-\frac{4\sqrt{15}}{225}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{4\sqrt{15}}{225}$	$\frac{8\sqrt{5}}{75}$	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{4\sqrt{5}}{75}$	$\frac{4\sqrt{15}}{225}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{4\sqrt{15}}{225}$	$\frac{2\sqrt{5}}{25}$	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{2\sqrt{6}}{45}$	$\frac{2\sqrt{2}}{15}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{2\sqrt{2}}{15}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{2\sqrt{3}}{45}$	$\frac{2\sqrt{30}}{45}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{30}}{45}$	$-\frac{2\sqrt{5}}{15}$	0	0

continued ...

表 10

no.	type	basis
923	$M_{3,-2}^{(a)}$	$\begin{pmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ -\sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & -\sqrt{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \sqrt{2} & 0 & 0 & 0 & 0 \end{pmatrix}$

continued ...

表 10

no.	type	basis														
924	$M_{3,-2}^{(a)}(1,1)$	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	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{5}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{2}}{11}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{2}}{11}$	$\frac{4\sqrt{3}}{99}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{7\sqrt{6}}{66}$	$-\frac{1}{33}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{1}{33}$	$\frac{\sqrt{10}}{66}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{7\sqrt{3}}{99}$	$-\frac{2\sqrt{30}}{99}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{2\sqrt{30}}{99}$	$-\frac{\sqrt{10}}{66}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{7\sqrt{3}}{99}$	$-\frac{1}{33}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{1}{33}$	$-\frac{4\sqrt{3}}{99}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{7\sqrt{6}}{66}$	$\frac{\sqrt{2}}{11}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{2}}{11}$	$\frac{\sqrt{5}}{33}$	0	0	0	0	0

continued ...

表 10

no.	type	basis														
925	$\mathbb{M}_{3,-2}^{(a)}(1,-1)$	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	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{2\sqrt{3}}{9}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{30}}{45}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{30}}{45}$	$-\frac{2\sqrt{5}}{15}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{2\sqrt{15}}{45}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{2\sqrt{15}}{45}$	$-\frac{2\sqrt{6}}{45}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{2\sqrt{2}}{15}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{2}}{15}$	$\frac{2\sqrt{6}}{45}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{2\sqrt{15}}{45}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{2\sqrt{15}}{45}$	$\frac{2\sqrt{5}}{15}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{30}}{45}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{30}}{45}$	$\frac{2\sqrt{3}}{9}$	0	0	0	0

continued ...

表 10

no.	type	basis															
926	$M_{3,-3}^{(a)}$	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
		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
		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
		-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\sqrt{2}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\sqrt{2}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\sqrt{2}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\sqrt{2}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
927	$M_{3,-3}^{(a)}(1,1)$	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	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	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{3}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{7}{66}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{7}{66}$	$\frac{\sqrt{6}}{198}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{14\sqrt{3}}{99}$	$\frac{7\sqrt{2}}{198}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{7\sqrt{2}}{198}$	$\frac{2\sqrt{5}}{99}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{14\sqrt{5}}{99}$	$-\frac{7\sqrt{2}}{198}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{7\sqrt{2}}{198}$	$\frac{\sqrt{6}}{198}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{14\sqrt{3}}{99}$	$-\frac{7}{66}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{7}{66}$	$-\frac{\sqrt{3}}{33}$	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
928	$\mathbb{M}_{3,-3}^{(a)}(1,-1)$	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	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	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{2\sqrt{5}}{15}$	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	$-\frac{2\sqrt{10}}{15}$	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	$-\frac{4\sqrt{3}}{15}$	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	$-\frac{2\sqrt{10}}{15}$	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	$-\frac{2\sqrt{5}}{15}$	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
929	$M_{5,5}^{(a)}$	(
		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	$-\frac{5\sqrt{42}}{33}$	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	$-\frac{5\sqrt{42}}{33}$	
		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	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	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	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	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0)

continued ...

表 10

no.	type	basis														
930	$\mathbb{M}_{5,5}^{(a)}(1,1)$	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{910}}{5577}$	$\frac{5\sqrt{91}}{507}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{91}}{507}$	$\frac{10\sqrt{546}}{507}$	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{546}}{5577}$	$-\frac{5\sqrt{91}}{507}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{91}}{507}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{910}}{5577}$	
		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	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	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	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	

continued ...

表 10

no.	type	basis
931	$\mathbb{M}_{5,5}^{(a)}(1,-1)$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}}{33} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{35}}{33} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{2\sqrt{21}}{33} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$

continued ...

表 10

no.	type	basis													
932	$M_{5,4}^{(a)}$	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	$\frac{5\sqrt{42}}{33}$	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	0	0	0	0	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	$-\frac{5\sqrt{42}}{33}$
		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	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	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	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
933	$\mathbb{M}_{5,4}^{(a)}(1,1)$	0	0	0	0	0	0	0	$\frac{10\sqrt{273}}{5577}$	$-\frac{50\sqrt{91}}{5577}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{50\sqrt{91}}{5577}$	$-\frac{5\sqrt{910}}{507}$	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{546}}{1859}$	$\frac{20\sqrt{1365}}{5577}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{20\sqrt{1365}}{5577}$	$\frac{5\sqrt{910}}{507}$	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{546}}{1859}$	$-\frac{50\sqrt{91}}{5577}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{50\sqrt{91}}{5577}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{273}}{5577}$	
		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	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	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	0	0	

continued ...

表 10

no.	type	basis													
934	$\mathbb{M}_{5,4}^{(a)}(1, -1)$	0	0	0	0	0	0	0	$\frac{2\sqrt{70}}{55}$	$\frac{\sqrt{210}}{165}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{210}}{165}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{35}}{165}$	$\frac{\sqrt{14}}{33}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{14}}{33}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{35}}{165}$	$\frac{\sqrt{210}}{165}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{210}}{165}$
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{70}}{55}$
		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	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	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	0	0

continued ...

表 10

no.	type	basis													
935	$M_{5,3}^{(a)}$	0	0	0	0	0	0	$-\frac{10\sqrt{7}}{33}$	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	0	0	0	0	0	0	0	$\frac{5\sqrt{14}}{33}$	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	0	0	0	0	0	0	0	$\frac{5\sqrt{14}}{33}$	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	0	0	0	0	0	0	0	$-\frac{10\sqrt{7}}{33}$	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
936	$\mathbb{M}_{5,3}^{(a)}(1, 1)$	0	0	0	0	0	$-\frac{10\sqrt{182}}{5577}$	$\frac{5\sqrt{546}}{1859}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{5\sqrt{546}}{1859}$	$\frac{25\sqrt{182}}{1859}$	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{40\sqrt{91}}{5577}$	$-\frac{15\sqrt{273}}{1859}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{15\sqrt{273}}{1859}$	$-\frac{10\sqrt{2730}}{1859}$	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{10\sqrt{2730}}{5577}$	$\frac{15\sqrt{273}}{1859}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{15\sqrt{273}}{1859}$	$\frac{25\sqrt{182}}{1859}$	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{40\sqrt{91}}{5577}$	$-\frac{5\sqrt{546}}{1859}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{546}}{1859}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{182}}{5577}$
		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	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	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
937	$\mathbb{M}_{5,3}^{(a)}(1, -1)$	0	0	0	0	0	$-\frac{4\sqrt{105}}{165}$	$-\frac{4\sqrt{35}}{165}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{4\sqrt{35}}{165}$	$\frac{2\sqrt{105}}{495}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{2\sqrt{210}}{495}$	$-\frac{4\sqrt{70}}{495}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{4\sqrt{70}}{495}$	$\frac{2\sqrt{7}}{99}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{8\sqrt{7}}{99}$	$\frac{4\sqrt{70}}{495}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{70}}{495}$	$\frac{2\sqrt{105}}{495}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{210}}{495}$	$\frac{4\sqrt{35}}{165}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{35}}{165}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{105}}{165}$	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
		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	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
938	$M_{5,2}^{(a)}$	0	0	0	0	$\frac{5\sqrt{14}}{33}$	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	0
		0	0	0	0	0	0	$-\frac{10\sqrt{7}}{33}$	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	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	0	0	0	0	$\frac{10\sqrt{7}}{33}$	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	0	0	0	0	0	0	0	$-\frac{5\sqrt{14}}{33}$	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	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	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis												
939	$M_{5,2}^{(a)}(1, 1)$	0	0	0	$\frac{5\sqrt{2730}}{16731}$	$-\frac{40\sqrt{273}}{16731}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{40\sqrt{273}}{16731}$	$-\frac{20\sqrt{91}}{1859}$	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{25\sqrt{182}}{5577}$	$\frac{80\sqrt{546}}{16731}$	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{80\sqrt{546}}{16731}$	$\frac{30\sqrt{182}}{1859}$	0	0	0	0	0
		0	0	0	0	0	0	$\frac{50\sqrt{1365}}{16731}$	$-\frac{40\sqrt{455}}{5577}$	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{40\sqrt{455}}{5577}$	$-\frac{30\sqrt{182}}{1859}$	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{50\sqrt{1365}}{16731}$	$\frac{80\sqrt{546}}{16731}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{80\sqrt{546}}{16731}$	$\frac{20\sqrt{91}}{1859}$	0	0
		0	0	0	0	0	0	0	0	0	$\frac{25\sqrt{182}}{5577}$	$-\frac{40\sqrt{273}}{16731}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{40\sqrt{273}}{16731}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{2730}}{16731}$
		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	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
940	$\mathbb{M}_{5,2}^{(a)}(1,-1)$	0	0	0	$\frac{2\sqrt{7}}{33}$	$\frac{\sqrt{70}}{55}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{70}}{55}$	$-\frac{\sqrt{210}}{165}$	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{8\sqrt{105}}{495}$	$-\frac{\sqrt{35}}{165}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{\sqrt{35}}{165}$	$-\frac{2\sqrt{105}}{495}$	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{\sqrt{14}}{33}$	$-\frac{2\sqrt{42}}{99}$	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{2\sqrt{42}}{99}$	$\frac{2\sqrt{105}}{495}$	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{\sqrt{14}}{33}$	$-\frac{\sqrt{35}}{165}$	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{\sqrt{35}}{165}$	$\frac{\sqrt{210}}{165}$	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{8\sqrt{105}}{495}$	$\frac{\sqrt{70}}{55}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{70}}{55}$	0	
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{7}}{33}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis													
941	$M_{5,1}^{(a)}$	0	0	$-\frac{5\sqrt{5}}{33}$	0	0	0	0	0	0	0	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	$\frac{5\sqrt{3}}{11}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{3}}{11}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{5\sqrt{10}}{33}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{5\sqrt{10}}{33}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{5\sqrt{10}}{33}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{10}}{33}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{3}}{11}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{3}}{11}$	0	0
		0	0	0	0	0	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	$-\frac{5\sqrt{5}}{33}$
		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	0	0	0

continued ...

表 10

no.	type	basis												
942	$M_{5,1}^{(a)}(1, 1)$	0	$-\frac{5\sqrt{65}}{5577}$	$\frac{35\sqrt{390}}{33462}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{35\sqrt{390}}{33462}$	$\frac{140\sqrt{39}}{16731}$	0	0	0	0	0	0	0	0
		0	0	0	$\frac{10\sqrt{65}}{1859}$	$-\frac{175\sqrt{26}}{11154}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{175\sqrt{26}}{11154}$	$-\frac{280\sqrt{78}}{16731}$	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{25\sqrt{65}}{1859}$	$\frac{175\sqrt{195}}{16731}$	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{175\sqrt{195}}{16731}$	$\frac{140\sqrt{65}}{5577}$	0	0	0	0	0
		0	0	0	0	0	0	$\frac{100\sqrt{65}}{5577}$	$-\frac{175\sqrt{195}}{16731}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{175\sqrt{195}}{16731}$	$-\frac{280\sqrt{78}}{16731}$	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{25\sqrt{65}}{1859}$	$\frac{175\sqrt{26}}{11154}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{175\sqrt{26}}{11154}$	$\frac{140\sqrt{39}}{16731}$	0
		0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{65}}{1859}$	$-\frac{35\sqrt{390}}{33462}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{35\sqrt{390}}{33462}$
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{65}}{5577}$
		0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
943	$\mathbb{M}_{5,1}^{(a)}(1, -1)$	0	$-\frac{\sqrt{6}}{33}$	$-\frac{4}{33}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{4}{33}$	$\frac{2\sqrt{10}}{55}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{7\sqrt{6}}{99}$	$\frac{16\sqrt{15}}{495}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{16\sqrt{15}}{495}$	$-\frac{2\sqrt{5}}{165}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{6}}{99}$	$\frac{2\sqrt{2}}{33}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{2\sqrt{2}}{33}$	$-\frac{4\sqrt{6}}{99}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{2\sqrt{6}}{33}$	$-\frac{2\sqrt{2}}{33}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{2\sqrt{2}}{33}$	$-\frac{2\sqrt{5}}{165}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{6}}{99}$	$-\frac{16\sqrt{15}}{495}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{16\sqrt{15}}{495}$	$\frac{2\sqrt{10}}{55}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{7\sqrt{6}}{99}$	$\frac{4}{33}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{4}{33}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{6}}{33}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
944	$M_{5,0}^{(a)}$	$\frac{5}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{20}{33}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{20}{33}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{25}{33}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{25}{33}$	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{25}{33}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{25}{33}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{20}{33}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{20}{33}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5}{33}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5}{33}$	0

continued ...

表 10

no.	type	basis													
945	$M_{5,0}^{(a)}(1, 1)$	$-\frac{5\sqrt{78}}{5577}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{78}}{5577}$	$-\frac{35\sqrt{13}}{5577}$	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{35\sqrt{13}}{5577}$	$\frac{10\sqrt{78}}{1859}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{10\sqrt{78}}{1859}$	$\frac{35\sqrt{195}}{5577}$	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{35\sqrt{195}}{5577}$	$-\frac{25\sqrt{78}}{1859}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{25\sqrt{78}}{1859}$	$-\frac{175\sqrt{26}}{5577}$	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{175\sqrt{26}}{5577}$	$\frac{100\sqrt{78}}{5577}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{100\sqrt{78}}{5577}$	$\frac{175\sqrt{26}}{5577}$	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{175\sqrt{26}}{5577}$	$-\frac{25\sqrt{78}}{1859}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{25\sqrt{78}}{1859}$	$-\frac{35\sqrt{195}}{5577}$	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{35\sqrt{195}}{5577}$	$\frac{10\sqrt{78}}{1859}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{78}}{1859}$	$\frac{35\sqrt{13}}{5577}$	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{35\sqrt{13}}{5577}$	$-\frac{5\sqrt{78}}{5577}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{78}}{5577}$	0

continued ...

表 10

no.	type	basis														
946	$\mathbb{M}_{5,0}^{(a)}(1, -1)$	$\frac{\sqrt{5}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{5}}{33}$	$-\frac{2\sqrt{30}}{99}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2\sqrt{30}}{99}$	$-\frac{7\sqrt{5}}{99}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{7\sqrt{5}}{99}$	$\frac{8\sqrt{2}}{99}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{8\sqrt{2}}{99}$	$\frac{\sqrt{5}}{99}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{5}}{99}$	$\frac{2\sqrt{15}}{99}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{15}}{99}$	$\frac{2\sqrt{5}}{33}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{2\sqrt{5}}{33}$	$-\frac{2\sqrt{15}}{99}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{2\sqrt{15}}{99}$	$\frac{\sqrt{5}}{99}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{5}}{99}$	$-\frac{8\sqrt{2}}{99}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{8\sqrt{2}}{99}$	$-\frac{7\sqrt{5}}{99}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{7\sqrt{5}}{99}$	$\frac{2\sqrt{30}}{99}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{30}}{99}$	$\frac{\sqrt{5}}{33}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{5}}{33}$	0	0

continued ...

表 10

no.	type	basis													
947	$M_{5,-1}^{(a)}$	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
		$\frac{5\sqrt{5}}{33}$	0	0	0	0	0	0	0	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	$-\frac{5\sqrt{3}}{11}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{5\sqrt{3}}{11}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{5\sqrt{10}}{33}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{10}}{33}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{5\sqrt{10}}{33}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{5\sqrt{10}}{33}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{5\sqrt{3}}{11}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{5\sqrt{3}}{11}$	0	0	0	0	0
		0	0	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	$\frac{5\sqrt{5}}{33}$	0	0	0

continued ...

表 10

no.	type	basis														
948	$M_{5,-1}^{(a)}(1,1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{5\sqrt{65}}{5577}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{35\sqrt{390}}{33462}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{35\sqrt{390}}{33462}$	$-\frac{10\sqrt{65}}{1859}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{140\sqrt{39}}{16731}$	$\frac{175\sqrt{26}}{11154}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{175\sqrt{26}}{11154}$	$\frac{25\sqrt{65}}{1859}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{280\sqrt{78}}{16731}$	$-\frac{175\sqrt{195}}{16731}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{175\sqrt{195}}{16731}$	$-\frac{100\sqrt{65}}{5577}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{140\sqrt{65}}{5577}$	$\frac{175\sqrt{195}}{16731}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{175\sqrt{195}}{16731}$	$\frac{25\sqrt{65}}{1859}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{280\sqrt{78}}{16731}$	$-\frac{175\sqrt{26}}{11154}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{175\sqrt{26}}{11154}$	$-\frac{10\sqrt{65}}{1859}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{140\sqrt{39}}{16731}$	$\frac{35\sqrt{390}}{33462}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{35\sqrt{390}}{33462}$	$\frac{5\sqrt{65}}{5577}$	0	0	0

continued ...

表 10

no.	type	basis														
949	$M_{5,-1}^{(a)}(1, -1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{6}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{4}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{4}{33}$	$-\frac{7\sqrt{6}}{99}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2\sqrt{10}}{55}$	$-\frac{16\sqrt{15}}{495}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{16\sqrt{15}}{495}$	$\frac{\sqrt{6}}{99}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{2\sqrt{5}}{165}$	$-\frac{2\sqrt{2}}{33}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{2}}{33}$	$\frac{2\sqrt{6}}{33}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{4\sqrt{6}}{99}$	$\frac{2\sqrt{2}}{33}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{2\sqrt{2}}{33}$	$\frac{\sqrt{6}}{99}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{2\sqrt{5}}{165}$	$\frac{16\sqrt{15}}{495}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{16\sqrt{15}}{495}$	$-\frac{7\sqrt{6}}{99}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{2\sqrt{10}}{55}$	$-\frac{4}{33}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{4}{33}$	$\frac{\sqrt{6}}{33}$	0	0	0

continued ...

表 10

no.	type	basis													
950	$M_{5,-2}^{(a)}$	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	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{5\sqrt{14}}{33}$	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	0	0	0	0	0
		0	0	$-\frac{10\sqrt{7}}{33}$	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	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	0	0	0	0	0	$\frac{10\sqrt{7}}{33}$	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	0	0	0	0	0	0	0	$-\frac{5\sqrt{14}}{33}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{14}}{33}$	0	0	0	0

continued ...

表 10

no.	type	basis														
951	$M_{5,-2}^{(a)}(1,1)$	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	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{5\sqrt{2730}}{16731}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{40\sqrt{273}}{16731}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{40\sqrt{273}}{16731}$	$-\frac{25\sqrt{182}}{5577}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{20\sqrt{91}}{1859}$	$\frac{80\sqrt{546}}{16731}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{80\sqrt{546}}{16731}$	$\frac{50\sqrt{1365}}{16731}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{30\sqrt{182}}{1859}$	$-\frac{40\sqrt{455}}{5577}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{40\sqrt{455}}{5577}$	$-\frac{50\sqrt{1365}}{16731}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{30\sqrt{182}}{1859}$	$\frac{80\sqrt{546}}{16731}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{80\sqrt{546}}{16731}$	$\frac{25\sqrt{182}}{5577}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{20\sqrt{91}}{1859}$	$-\frac{40\sqrt{273}}{16731}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{40\sqrt{273}}{16731}$	$-\frac{5\sqrt{2730}}{16731}$	0	0	0	0

continued ...

表 10

no.	type	basis													
952	$M_{5,-2}^{(a)}(1,-1)$	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	0	0	0	0	0	0	0	
		$\frac{2\sqrt{7}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	
		$\frac{\sqrt{70}}{55}$	0	0	0	0	0	0	0	0	0	0	0	0	
		0	$-\frac{\sqrt{70}}{55}$	$-\frac{8\sqrt{105}}{495}$	0	0	0	0	0	0	0	0	0	0	
		0	$-\frac{\sqrt{210}}{165}$	$-\frac{\sqrt{35}}{165}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$\frac{\sqrt{35}}{165}$	$-\frac{\sqrt{14}}{33}$	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{2\sqrt{105}}{495}$	$-\frac{2\sqrt{42}}{99}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{2\sqrt{42}}{99}$	$\frac{\sqrt{14}}{33}$	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{2\sqrt{105}}{495}$	$-\frac{\sqrt{35}}{165}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{\sqrt{35}}{165}$	$\frac{8\sqrt{105}}{495}$	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{\sqrt{210}}{165}$	$\frac{\sqrt{70}}{55}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{70}}{55}$	$-\frac{2\sqrt{7}}{33}$	0	0	0	

continued ...

表 10

no.	type	basis															
953	$M_{5,-3}^{(a)}$	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
		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
		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
		$\frac{10\sqrt{7}}{33}$	0	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	0	0	0	0	0	0	0
		0	0	$-\frac{5\sqrt{14}}{33}$	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	0	0	0	0	0
		0	0	0	0	$-\frac{5\sqrt{14}}{33}$	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	0	0	0
		0	0	0	0	0	0	$\frac{10\sqrt{7}}{33}$	0	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	0

continued ...

表 10

no.	type	basis														
954	$M_{5,-3}^{(a)}(1,1)$	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	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	0	0	0	0	0	0	0	0	0	0	0
		$\frac{10\sqrt{182}}{5577}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{5\sqrt{546}}{1859}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{546}}{1859}$	$-\frac{40\sqrt{91}}{5577}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{25\sqrt{182}}{1859}$	$\frac{15\sqrt{273}}{1859}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{15\sqrt{273}}{1859}$	$\frac{10\sqrt{2730}}{5577}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{10\sqrt{2730}}{1859}$	$-\frac{15\sqrt{273}}{1859}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{15\sqrt{273}}{1859}$	$-\frac{40\sqrt{91}}{5577}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{25\sqrt{182}}{1859}$	$\frac{5\sqrt{546}}{1859}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{5\sqrt{546}}{1859}$	$\frac{10\sqrt{182}}{5577}$	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
955	$\mathbb{M}_{5,-3}^{(a)}(1,-1)$	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	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	0	0	0	0	0	0	0	0	0	0	0
		$\frac{4\sqrt{105}}{165}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{4\sqrt{35}}{165}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{4\sqrt{35}}{165}$	$-\frac{2\sqrt{210}}{495}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2\sqrt{105}}{495}$	$\frac{4\sqrt{70}}{495}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{4\sqrt{70}}{495}$	$-\frac{8\sqrt{7}}{99}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{7}}{99}$	$-\frac{4\sqrt{70}}{495}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{4\sqrt{70}}{495}$	$-\frac{2\sqrt{210}}{495}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{105}}{495}$	$-\frac{4\sqrt{35}}{165}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{4\sqrt{35}}{165}$	$\frac{4\sqrt{105}}{165}$	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
956	$M_{5,-4}^{(a)}$	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	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	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	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	0	0	0	0
		0	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	$\frac{5\sqrt{42}}{33}$	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	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	$-\frac{5\sqrt{42}}{33}$	0	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

continued ...

表 10

no.	type	basis															
957	$M_{5,-4}^{(a)}(1,1)$	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
		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
		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
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{10\sqrt{273}}{5577}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{50\sqrt{91}}{5577}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{50\sqrt{91}}{5577}$	$-\frac{5\sqrt{546}}{1859}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{5\sqrt{910}}{507}$	$\frac{20\sqrt{1365}}{5577}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{20\sqrt{1365}}{5577}$	$\frac{5\sqrt{546}}{1859}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{5\sqrt{910}}{507}$	$-\frac{50\sqrt{91}}{5577}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{50\sqrt{91}}{5577}$	$-\frac{10\sqrt{273}}{5577}$	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
958	$M_{5,-4}^{(a)}(1,-1)$	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
		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
		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
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{2\sqrt{70}}{55}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{210}}{165}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{210}}{165}$	$\frac{4\sqrt{35}}{165}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{\sqrt{14}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{14}}{33}$	$-\frac{4\sqrt{35}}{165}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{\sqrt{210}}{165}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{210}}{165}$	$-\frac{2\sqrt{70}}{55}$	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
959	$M_{5,-5}^{(a)}$	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	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	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	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	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	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	$\frac{5\sqrt{42}}{33}$	0	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	$\frac{5\sqrt{42}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis																
960	$M_{5,-5}^{(a)}(1,1)$	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	
		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	
		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	
		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	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		$\frac{5\sqrt{910}}{5577}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{5\sqrt{91}}{507}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{91}}{507}$	$-\frac{10\sqrt{546}}{5577}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{10\sqrt{546}}{507}$	$\frac{5\sqrt{91}}{507}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{5\sqrt{91}}{507}$	$\frac{5\sqrt{910}}{5577}$	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
961	$\mathbb{M}_{5,-5}^{(a)}(1,-1)$	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
		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
		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
		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
		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
		$\frac{2\sqrt{21}}{33}$	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	0	0	0	0	0	0
		0	0	$\frac{2\sqrt{35}}{33}$	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	0	0	0	0
		0	0	0	0	$\frac{2\sqrt{21}}{33}$	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis
962	$\mathbb{M}_{7,7}^{(a)}(1, -1)$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{462}}{429} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array} \right)$

continued ...

表 10

no.	type	basis														
963	$\mathbb{M}_{7,6}^{(a)}(1,-1)$	$\left(\begin{array}{ccccccccccccccccc} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{10\sqrt{22}}{143} & -\frac{10\sqrt{33}}{429} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{33}}{429} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{10\sqrt{22}}{143} \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array}\right)$														

continued ...

表 10

no.	type	basis														
964	$\mathbb{M}_{7,5}^{(a)}(1,-1)$	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{1430}}{1859}$	$\frac{20\sqrt{143}}{1859}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{20\sqrt{143}}{1859}$	$-\frac{10\sqrt{858}}{5577}$	0	
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{20\sqrt{858}}{1859}$	$-\frac{20\sqrt{143}}{1859}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{20\sqrt{143}}{1859}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{1430}}{1859}$	
		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	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	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	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	0	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis													
965	$\mathbb{M}_{7,4}^{(a)}(1, -1)$	0	0	0	0	0	0	0	$-\frac{10\sqrt{4290}}{5577}$	$-\frac{5\sqrt{1430}}{1859}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{1430}}{1859}$	$\frac{10\sqrt{143}}{1859}$	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{2145}}{1859}$	$\frac{10\sqrt{858}}{1859}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{858}}{1859}$	$-\frac{10\sqrt{143}}{1859}$	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{2145}}{1859}$	$-\frac{5\sqrt{1430}}{1859}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{1430}}{1859}$
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{4290}}{5577}$
		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	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	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	0	0

continued ...

表 10

no.	type	basis													
966	$\mathbb{M}_{7,3}^{(a)}(1, -1)$	0	0	0	0	0	$\frac{10\sqrt{130}}{1859}$	$\frac{20\sqrt{390}}{5577}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{20\sqrt{390}}{5577}$	$-\frac{10\sqrt{130}}{1859}$	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{40\sqrt{65}}{1859}$	$-\frac{20\sqrt{195}}{1859}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{20\sqrt{195}}{1859}$	$\frac{20\sqrt{78}}{1859}$	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{50\sqrt{78}}{1859}$	$\frac{20\sqrt{195}}{1859}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{20\sqrt{195}}{1859}$	$-\frac{10\sqrt{130}}{1859}$	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{40\sqrt{65}}{1859}$	$-\frac{20\sqrt{390}}{5577}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{20\sqrt{390}}{5577}$
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{130}}{1859}$
		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	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	0	0	0	0	0	0

continued ...

表 10

no.	type	basis												
967	$\mathbb{M}_{7,2}^{(a)}(1, -1)$	0	0	0	$-\frac{10\sqrt{26}}{1859}$	$-\frac{10\sqrt{65}}{1859}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{10\sqrt{65}}{1859}$	$\frac{20\sqrt{195}}{5577}$	0	0	0	0	0	0
		0	0	0	0	0	$\frac{10\sqrt{390}}{1859}$	$\frac{20\sqrt{130}}{1859}$	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{20\sqrt{130}}{1859}$	$-\frac{10\sqrt{390}}{1859}$	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{100\sqrt{13}}{1859}$	$-\frac{50\sqrt{39}}{1859}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{50\sqrt{39}}{1859}$	$\frac{10\sqrt{390}}{1859}$	0	0	0
		0	0	0	0	0	0	0	0	$\frac{100\sqrt{13}}{1859}$	$\frac{20\sqrt{130}}{1859}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{20\sqrt{130}}{1859}$	$-\frac{20\sqrt{195}}{5577}$	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{390}}{1859}$	$-\frac{10\sqrt{65}}{1859}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{65}}{1859}$
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{26}}{1859}$
		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	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis												
968	$\mathbb{M}_{7,1}^{(a)}(1, -1)$	0	$\frac{10\sqrt{26}}{5577}$	$\frac{20\sqrt{39}}{5577}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{20\sqrt{39}}{5577}$	$-\frac{10\sqrt{390}}{5577}$	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{20\sqrt{26}}{1859}$	$-\frac{20\sqrt{65}}{1859}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{20\sqrt{65}}{1859}$	$\frac{40\sqrt{195}}{5577}$	0	0	0	0	0	0
		0	0	0	0	0	$\frac{50\sqrt{26}}{1859}$	$\frac{100\sqrt{78}}{5577}$	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{100\sqrt{78}}{5577}$	$-\frac{50\sqrt{26}}{1859}$	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{200\sqrt{26}}{5577}$	$-\frac{100\sqrt{78}}{5577}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{100\sqrt{78}}{5577}$	$\frac{40\sqrt{195}}{5577}$	0	0	0
		0	0	0	0	0	0	0	0	$\frac{50\sqrt{26}}{1859}$	$\frac{20\sqrt{65}}{1859}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{20\sqrt{65}}{1859}$	$-\frac{10\sqrt{390}}{5577}$	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{20\sqrt{26}}{1859}$	$-\frac{20\sqrt{39}}{5577}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{20\sqrt{39}}{5577}$
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{26}}{5577}$
		0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
969	$\mathbb{M}_{7,0}^{(a)}(1,-1)$	$-\frac{5\sqrt{91}}{5577}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{91}}{5577}$	$\frac{5\sqrt{546}}{5577}$	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{546}}{5577}$	$\frac{10\sqrt{91}}{1859}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{10\sqrt{91}}{1859}$	$-\frac{5\sqrt{910}}{1859}$	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{5\sqrt{910}}{1859}$	$-\frac{25\sqrt{91}}{1859}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{25\sqrt{91}}{1859}$	$\frac{50\sqrt{273}}{5577}$	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{50\sqrt{273}}{5577}$	$\frac{100\sqrt{91}}{5577}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{100\sqrt{91}}{5577}$	$-\frac{50\sqrt{273}}{5577}$	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{50\sqrt{273}}{5577}$	$-\frac{25\sqrt{91}}{1859}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{25\sqrt{91}}{1859}$	$\frac{5\sqrt{910}}{1859}$	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{910}}{1859}$	$\frac{10\sqrt{91}}{1859}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{91}}{1859}$	$-\frac{5\sqrt{546}}{5577}$	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{546}}{5577}$	$-\frac{5\sqrt{91}}{5577}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{91}}{5577}$

continued ...

表 10

no.	type	basis													
970	$\mathbb{M}_{7,-1}^{(a)}(1, -1)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{10\sqrt{26}}{5577}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{20\sqrt{39}}{5577}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{20\sqrt{39}}{5577}$	$\frac{20\sqrt{26}}{1859}$	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{10\sqrt{390}}{5577}$	$\frac{20\sqrt{65}}{1859}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{20\sqrt{65}}{1859}$	$-\frac{50\sqrt{26}}{1859}$	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{40\sqrt{195}}{5577}$	$-\frac{100\sqrt{78}}{5577}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{100\sqrt{78}}{5577}$	$\frac{200\sqrt{26}}{5577}$	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{50\sqrt{26}}{1859}$	$\frac{100\sqrt{78}}{5577}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{100\sqrt{78}}{5577}$	$-\frac{50\sqrt{26}}{1859}$	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{40\sqrt{195}}{5577}$	$-\frac{20\sqrt{65}}{1859}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{20\sqrt{65}}{1859}$	$\frac{20\sqrt{26}}{1859}$	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{390}}{5577}$	$\frac{20\sqrt{39}}{5577}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{20\sqrt{39}}{5577}$	$-\frac{10\sqrt{26}}{5577}$	0

continued ...

表 10

no.	type	basis													
971	$\mathbb{M}_{7,-2}^{(a)}(1, -1)$	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	0	0	0	0	0	0	0	0	0	0
		$-\frac{10\sqrt{26}}{1859}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{10\sqrt{65}}{1859}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{10\sqrt{65}}{1859}$	$\frac{10\sqrt{390}}{1859}$	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{20\sqrt{195}}{5577}$	$\frac{20\sqrt{130}}{1859}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{20\sqrt{130}}{1859}$	$-\frac{100\sqrt{13}}{1859}$	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{10\sqrt{390}}{1859}$	$-\frac{50\sqrt{39}}{1859}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{50\sqrt{39}}{1859}$	$\frac{100\sqrt{13}}{1859}$	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{10\sqrt{390}}{1859}$	$\frac{20\sqrt{130}}{1859}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{20\sqrt{130}}{1859}$	$-\frac{10\sqrt{390}}{1859}$	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{20\sqrt{195}}{5577}$	$-\frac{10\sqrt{65}}{1859}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{65}}{1859}$	$\frac{10\sqrt{26}}{1859}$	0	0	0

continued ...

表 10

no.	type	basis														
972	$\mathbb{M}_{7,-3}^{(a)}(1, -1)$	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	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	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{10\sqrt{130}}{1859}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{20\sqrt{390}}{5577}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{20\sqrt{390}}{5577}$	$\frac{40\sqrt{65}}{1859}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{10\sqrt{130}}{1859}$	$\frac{20\sqrt{195}}{1859}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{20\sqrt{195}}{1859}$	$-\frac{50\sqrt{78}}{1859}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{20\sqrt{78}}{1859}$	$-\frac{20\sqrt{195}}{1859}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{20\sqrt{195}}{1859}$	$\frac{40\sqrt{65}}{1859}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{10\sqrt{130}}{1859}$	$\frac{20\sqrt{390}}{5577}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{20\sqrt{390}}{5577}$	$-\frac{10\sqrt{130}}{1859}$	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
973	$\mathbb{M}_{7,-4}^{(a)}(1, -1)$	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
		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
		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
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{10\sqrt{4290}}{5577}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{5\sqrt{1430}}{1859}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{1430}}{1859}$	$\frac{10\sqrt{2145}}{1859}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{10\sqrt{143}}{1859}$	$\frac{10\sqrt{858}}{1859}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{10\sqrt{858}}{1859}$	$-\frac{10\sqrt{2145}}{1859}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{10\sqrt{143}}{1859}$	$-\frac{5\sqrt{1430}}{1859}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{1430}}{1859}$	$\frac{10\sqrt{4290}}{5577}$	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
974	$\mathbb{M}_{7,-5}^{(a)}(1,-1)$	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
		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
		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
		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
		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
		$-\frac{10\sqrt{1430}}{1859}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{20\sqrt{143}}{1859}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{20\sqrt{143}}{1859}$	$\frac{20\sqrt{858}}{1859}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{10\sqrt{858}}{5577}$	$\frac{20\sqrt{143}}{1859}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{20\sqrt{143}}{1859}$	$-\frac{10\sqrt{1430}}{1859}$	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
975	$\mathbb{M}_{7,-6}^{(a)}(1,-1)$	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
		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
		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
		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
		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
		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
		$-\frac{10\sqrt{22}}{143}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{10\sqrt{33}}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{10\sqrt{33}}{429}$	$\frac{10\sqrt{22}}{143}$	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
976	$\mathbb{M}_{7,-7}^{(a)}(1,-1)$	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
		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
		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
		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
		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
		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
		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
		$-\frac{10\sqrt{462}}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
977	$\mathbb{T}_{2,2}^{(a)}(1,0)$	0	0	0	$\frac{\sqrt{6}i}{9}$	$-\frac{2\sqrt{15}i}{45}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{2\sqrt{15}i}{45}$	0	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{\sqrt{10}i}{15}$	$-\frac{2\sqrt{30}i}{45}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{2\sqrt{30}i}{45}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{2\sqrt{3}i}{45}$	$-\frac{4i}{15}$	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{4i}{15}$	0	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{2\sqrt{3}i}{45}$	$-\frac{2\sqrt{30}i}{45}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{30}i}{45}$	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{10}i}{15}$	$-\frac{2\sqrt{15}i}{45}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{15}i}{45}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{6}i}{9}$	
		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	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis													
978	$\mathbb{T}_{2,1}^{(a)}(1,0)$	0	$-\frac{i}{3}$	$\frac{\sqrt{6}i}{18}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{\sqrt{6}i}{18}$	$-\frac{2\sqrt{15}i}{45}$	0	0	0	0	0	0	0	0	
		0	0	0	0	$\frac{\sqrt{10}i}{30}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{10}i}{30}$	$-\frac{2\sqrt{30}i}{45}$	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{i}{5}$	$\frac{\sqrt{3}i}{45}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{\sqrt{3}i}{45}$	$-\frac{4i}{15}$	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{4i}{15}$	$-\frac{\sqrt{3}i}{45}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{\sqrt{3}i}{45}$	$-\frac{2\sqrt{30}i}{45}$	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{i}{5}$	$-\frac{\sqrt{10}i}{30}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{10}i}{30}$	$-\frac{2\sqrt{15}i}{45}$	0	
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{6}i}{18}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{6}i}{18}$	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{i}{3}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis													
979	$\mathbb{T}_{2,0}^{(a)}(1,0)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{i}{3}$	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{i}{3}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{\sqrt{15}i}{15}$	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{15}i}{15}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{2}i}{15}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{2}i}{15}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{2}i}{15}$	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{2}i}{15}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{15}i}{15}$	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{\sqrt{15}i}{15}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{i}{3}$	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{i}{3}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
980	$\mathbb{T}_{2,-1}^{(a)}(1,0)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{i}{3}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{6}i}{18}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{6}i}{18}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2\sqrt{15}i}{45}$	$\frac{\sqrt{10}i}{30}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{10}i}{30}$	$\frac{i}{5}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{30}i}{45}$	$\frac{\sqrt{3}i}{45}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{3}i}{45}$	$\frac{4i}{15}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{4i}{15}$	$-\frac{\sqrt{3}i}{45}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{3}i}{45}$	$\frac{i}{5}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{2\sqrt{30}i}{45}$	$-\frac{\sqrt{10}i}{30}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{\sqrt{10}i}{30}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{2\sqrt{15}i}{45}$	$-\frac{\sqrt{6}i}{18}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{6}i}{18}$	$-\frac{i}{3}$	0	0	0

continued ...

表 10

no.	type	basis														
981	$\mathbb{T}_{2,-2}^{(a)}(1,0)$	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{6}i}{9}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{2\sqrt{15}i}{45}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{2\sqrt{15}i}{45}$	$-\frac{\sqrt{10}i}{15}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{2\sqrt{30}i}{45}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{30}i}{45}$	$-\frac{2\sqrt{3}i}{45}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{4i}{15}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{4i}{15}$	$\frac{2\sqrt{3}i}{45}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{2\sqrt{30}i}{45}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{2\sqrt{30}i}{45}$	$\frac{\sqrt{10}i}{15}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{2\sqrt{15}i}{45}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{2\sqrt{15}i}{45}$	$\frac{\sqrt{6}i}{9}$	0	0	0	0	0

continued ...

表 10

no.	type	basis														
982	$\mathbb{T}_{4,4}^{(a)}(1,0)$	0	0	0	0	0	0	0	$-\frac{\sqrt{70}i}{55}$	$\frac{2\sqrt{210}i}{165}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{210}i}{165}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{35}i}{165}$	$\frac{2\sqrt{14}i}{33}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{14}i}{33}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{35}i}{165}$	$\frac{2\sqrt{210}i}{165}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{210}i}{165}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{70}i}{55}$	
		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	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	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	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis														
983	$\mathbb{T}_{4,3}^{(a)}(1,0)$	0	0	0	0	0	$\frac{\sqrt{105}i}{55}$	$-\frac{3\sqrt{35}i}{110}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{3\sqrt{35}i}{110}$	$\frac{2\sqrt{105}i}{165}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{210}i}{330}$	$-\frac{\sqrt{70}i}{110}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{70}i}{110}$	$\frac{2\sqrt{7}i}{33}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{7}i}{33}$	$\frac{\sqrt{70}i}{110}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{70}i}{110}$	$\frac{2\sqrt{105}i}{165}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{210}i}{330}$	$\frac{3\sqrt{35}i}{110}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{3\sqrt{35}i}{110}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{105}i}{55}$
		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	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	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
984	$\mathbb{T}_{4,2}^{(a)}(1,0)$	0	0	0	$-\frac{\sqrt{3}i}{11}$	$\frac{\sqrt{30}i}{55}$	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{30}i}{55}$	$-\frac{7\sqrt{10}i}{110}$	0	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{4\sqrt{5}i}{55}$	$-\frac{\sqrt{15}i}{165}$	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{\sqrt{15}i}{165}$	$-\frac{7\sqrt{5}i}{165}$	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{\sqrt{6}i}{22}$	$-\frac{2\sqrt{2}i}{33}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{2\sqrt{2}i}{33}$	$\frac{7\sqrt{5}i}{165}$	0	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{6}i}{22}$	$-\frac{\sqrt{15}i}{165}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{15}i}{165}$	$\frac{7\sqrt{10}i}{110}$	0	0	
		0	0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{5}i}{55}$	$\frac{\sqrt{30}i}{55}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{30}i}{55}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{3}i}{11}$	
		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	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis													
985	$\mathbb{T}_{4,1}^{(a)}(1,0)$	0	$\frac{i}{11}$	$-\frac{\sqrt{6}i}{66}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$\frac{\sqrt{6}i}{66}$	$\frac{3\sqrt{15}i}{55}$	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{7i}{33}$	$\frac{2\sqrt{10}i}{165}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{2\sqrt{10}i}{165}$	$-\frac{\sqrt{30}i}{110}$	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{i}{33}$	$\frac{\sqrt{3}i}{66}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{\sqrt{3}i}{66}$	$-\frac{2i}{11}$	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{2i}{11}$	$-\frac{\sqrt{3}i}{66}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{\sqrt{3}i}{66}$	$-\frac{\sqrt{30}i}{110}$	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{i}{33}$	$-\frac{2\sqrt{10}i}{165}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{10}i}{165}$	$\frac{3\sqrt{15}i}{55}$	0	
		0	0	0	0	0	0	0	0	0	0	$-\frac{7i}{33}$	$\frac{\sqrt{6}i}{66}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{6}i}{66}$	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{i}{11}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis													
986	$\mathbb{T}_{4,0}^{(a)}(1,0)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{\sqrt{30i}}{33}$	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{30i}}{33}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{4\sqrt{2}i}{33}$	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{4\sqrt{2}i}{33}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{15}i}{33}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{15}i}{33}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{15}i}{33}$	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{15}i}{33}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{4\sqrt{2}i}{33}$	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{4\sqrt{2}i}{33}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{30i}}{33}$	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{30i}}{33}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
987	$\mathbb{T}_{4,-1}^{(a)}(1,0)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{i}{11}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{6}i}{66}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{6}i}{66}$	$-\frac{7i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{3\sqrt{15}i}{55}$	$\frac{2\sqrt{10}i}{165}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{10}i}{165}$	$\frac{i}{33}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{30}i}{110}$	$\frac{\sqrt{3}i}{66}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{3}i}{66}$	$\frac{2i}{11}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2i}{11}$	$-\frac{\sqrt{3}i}{66}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{3}i}{66}$	$\frac{i}{33}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{30}i}{110}$	$-\frac{2\sqrt{10}i}{165}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{10}i}{165}$	$-\frac{7i}{33}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{3\sqrt{15}i}{55}$	$\frac{\sqrt{6}i}{66}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{6}i}{66}$	$\frac{i}{11}$	0	0

continued ...

表 10

no.	type	basis														
988	$\mathbb{T}_{4,-2}^{(a)}(1,0)$	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{3}i}{11}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{30}i}{55}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{30}i}{55}$	$-\frac{4\sqrt{5}i}{55}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{7\sqrt{10}i}{110}$	$\frac{\sqrt{15}i}{165}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{15}i}{165}$	$-\frac{\sqrt{6}i}{22}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{7\sqrt{5}i}{165}$	$\frac{2\sqrt{2}i}{33}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{2\sqrt{2}i}{33}$	$\frac{\sqrt{6}i}{22}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{7\sqrt{5}i}{165}$	$\frac{\sqrt{15}i}{165}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{\sqrt{15}i}{165}$	$\frac{4\sqrt{5}i}{55}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{7\sqrt{10}i}{110}$	$-\frac{\sqrt{30}i}{55}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{30}i}{55}$	$-\frac{\sqrt{3}i}{11}$	0	0	0	0

continued ...

表 10

no.	type	basis														
989	$\mathbb{T}_{4,-3}^{(a)}(1, 0)$	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	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	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{105}i}{55}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{3\sqrt{35}i}{110}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{3\sqrt{35}i}{110}$	$-\frac{\sqrt{210}i}{330}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{2\sqrt{105}i}{165}$	$-\frac{\sqrt{70}i}{110}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{70}i}{110}$	$-\frac{2\sqrt{7}i}{33}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{2\sqrt{7}i}{33}$	$\frac{\sqrt{70}i}{110}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{70}i}{110}$	$-\frac{\sqrt{210}i}{330}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{105}i}{165}$	$\frac{3\sqrt{35}i}{110}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{3\sqrt{35}i}{110}$	$\frac{\sqrt{105}i}{55}$	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
990	$\mathbb{T}_{4,-4}^{(a)}(1,0)$	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	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	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	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{70}i}{55}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{2\sqrt{210}i}{165}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{2\sqrt{210}i}{165}$	$\frac{2\sqrt{35}i}{165}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{2\sqrt{14}i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{2\sqrt{14}i}{33}$	$-\frac{2\sqrt{35}i}{165}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{2\sqrt{210}i}{165}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{2\sqrt{210}i}{165}$	$-\frac{\sqrt{70}i}{55}$	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
991	$\mathbb{T}_{6,6}^{(a)}(1,0)$	0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{33}i}{429}$	$-\frac{10\sqrt{22}i}{143}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{22}i}{143}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{33}i}{429}$	
		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	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	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	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	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	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis														
992	$\mathbb{T}_{6,5}^{(a)}(1,0)$	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{110i}}{429}$	$\frac{25\sqrt{11i}}{429}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{25\sqrt{11i}}{429}$	$-\frac{10\sqrt{66i}}{429}$	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{66i}}{429}$	$-\frac{25\sqrt{11i}}{429}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{25\sqrt{11i}}{429}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{110i}}{429}$	
		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	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	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	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	

continued ...

表 10

no.	type	basis														
993	$\mathbb{T}_{6,4}^{(a)}(1,0)$	0	0	0	0	0	0	0	$\frac{10\sqrt{15}i}{429}$	$-\frac{20\sqrt{5}i}{429}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{20\sqrt{5}i}{429}$	$\frac{5\sqrt{2}i}{39}$	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{30}i}{143}$	$\frac{40\sqrt{3}i}{429}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{40\sqrt{3}i}{429}$	$-\frac{5\sqrt{2}i}{39}$	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{30}i}{143}$	$-\frac{20\sqrt{5}i}{429}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{20\sqrt{5}i}{429}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{15}i}{429}$	
		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	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	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	0	0	

continued ...

表 10

no.	type	basis													
994	$\mathbb{T}_{6,3}^{(a)}(1,0)$	0	0	0	0	0	$-\frac{10\sqrt{6}i}{429}$	$\frac{5\sqrt{2}i}{143}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{5\sqrt{2}i}{143}$	$-\frac{25\sqrt{6}i}{429}$	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{40\sqrt{3}i}{429}$	$-\frac{15i}{143}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{15i}{143}$	$\frac{10\sqrt{10}i}{143}$	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{10\sqrt{10}i}{143}$	$\frac{15i}{143}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{15i}{143}$	$-\frac{25\sqrt{6}i}{429}$	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{40\sqrt{3}i}{429}$	$-\frac{5\sqrt{2}i}{143}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{2}i}{143}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{6}i}{429}$
		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	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	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
995	$\mathbb{T}_{6,2}^{(a)}(1,0)$	0	0	0	$\frac{10\sqrt{15}i}{1287}$	$-\frac{10\sqrt{6}i}{1287}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{10\sqrt{6}i}{1287}$	$\frac{10\sqrt{2}i}{143}$	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{50i}{429}$	$\frac{40\sqrt{3}i}{1287}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{40\sqrt{3}i}{1287}$	$-\frac{30i}{143}$	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{50\sqrt{30}i}{1287}$	$-\frac{10\sqrt{10}i}{429}$	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{10\sqrt{10}i}{429}$	$\frac{30i}{143}$	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{50\sqrt{30}i}{1287}$	$\frac{40\sqrt{3}i}{1287}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$-\frac{40\sqrt{3}i}{1287}$	$-\frac{10\sqrt{2}i}{143}$	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{50i}{429}$	$-\frac{10\sqrt{6}i}{1287}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{10\sqrt{6}i}{1287}$	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{15}i}{1287}$	
		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	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis												
996	$\mathbb{T}_{6,1}^{(a)}(1,0)$	0	$-\frac{5i}{429}$	$\frac{5\sqrt{6}i}{2574}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{5\sqrt{6}i}{2574}$	$-\frac{20\sqrt{15}i}{1287}$	0	0	0	0	0	0	0	0
		0	0	0	$\frac{10i}{143}$	$-\frac{5\sqrt{10}i}{858}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{10}i}{858}$	$\frac{40\sqrt{30}i}{1287}$	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{25i}{143}$	$\frac{25\sqrt{3}i}{1287}$	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{25\sqrt{3}i}{1287}$	$-\frac{100i}{429}$	0	0	0	0	0
		0	0	0	0	0	0	$\frac{100i}{429}$	$-\frac{25\sqrt{3}i}{1287}$	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{25\sqrt{3}i}{1287}$	$\frac{40\sqrt{30}i}{1287}$	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{25i}{143}$	$\frac{5\sqrt{10}i}{858}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{10}i}{858}$	$-\frac{20\sqrt{15}i}{1287}$	0	0
		0	0	0	0	0	0	0	0	0	$\frac{10i}{143}$	$-\frac{5\sqrt{6}i}{2574}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{6}i}{2574}$
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5i}{429}$
		0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
997	$\mathbb{T}_{6,0}^{(a)}(1,0)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{5\sqrt{7}i}{429}$	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{5\sqrt{7}i}{429}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{5\sqrt{105}i}{429}$	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{5\sqrt{105}i}{429}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{25\sqrt{14}i}{429}$	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{25\sqrt{14}i}{429}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{25\sqrt{14}i}{429}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{25\sqrt{14}i}{429}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{105}i}{429}$	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{5\sqrt{105}i}{429}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{7}i}{429}$	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{7}i}{429}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
998	$\mathbb{T}_{6,-1}^{(a)}(1, 0)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{5i}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{5\sqrt{6}i}{2574}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{5\sqrt{6}i}{2574}$	$\frac{10i}{143}$	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{20\sqrt{15}i}{1287}$	$-\frac{5\sqrt{10}i}{858}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{5\sqrt{10}i}{858}$	$-\frac{25i}{143}$	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{40\sqrt{30}i}{1287}$	$\frac{25\sqrt{3}i}{1287}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{25\sqrt{3}i}{1287}$	$\frac{100i}{429}$	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{100i}{429}$	$-\frac{25\sqrt{3}i}{1287}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{25\sqrt{3}i}{1287}$	$-\frac{25i}{143}$	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{40\sqrt{30}i}{1287}$	$\frac{5\sqrt{10}i}{858}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{5\sqrt{10}i}{858}$	$\frac{10i}{143}$	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{20\sqrt{15}i}{1287}$	$-\frac{5\sqrt{6}i}{2574}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{6}i}{2574}$	$-\frac{5i}{429}$	0	0

continued ...

表 10

no.	type	basis														
999	$\mathbb{T}_{6,-2}^{(a)}(1, 0)$	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{10\sqrt{15}i}{1287}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{10\sqrt{6}i}{1287}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{10\sqrt{6}i}{1287}$	$\frac{50i}{429}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{10\sqrt{2}i}{143}$	$-\frac{40\sqrt{3}i}{1287}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{40\sqrt{3}i}{1287}$	$-\frac{50\sqrt{30}i}{1287}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{30i}{143}$	$\frac{10\sqrt{10}i}{429}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{10\sqrt{10}i}{429}$	$\frac{50\sqrt{30}i}{1287}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{30i}{143}$	$-\frac{40\sqrt{3}i}{1287}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{40\sqrt{3}i}{1287}$	$-\frac{50i}{429}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{10\sqrt{2}i}{143}$	$\frac{10\sqrt{6}i}{1287}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{10\sqrt{6}i}{1287}$	$\frac{10\sqrt{15}i}{1287}$	0	0	0	0

continued ...

表 10

no.	type	basis														
1000	$\mathbb{T}_{6,-3}^{(a)}(1, 0)$	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	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	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{10\sqrt{6}i}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{5\sqrt{2}i}{143}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{5\sqrt{2}i}{143}$	$\frac{40\sqrt{3}i}{429}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{25\sqrt{6}i}{429}$	$-\frac{15i}{143}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{15i}{143}$	$-\frac{10\sqrt{10}i}{143}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{10\sqrt{10}i}{143}$	$\frac{15i}{143}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{15i}{143}$	$\frac{40\sqrt{3}i}{429}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{25\sqrt{6}i}{429}$	$-\frac{5\sqrt{2}i}{143}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{5\sqrt{2}i}{143}$	$-\frac{10\sqrt{6}i}{429}$	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
1001	$\mathbb{T}_{6,-4}^{(a)}(1,0)$	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	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	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	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{10\sqrt{15}i}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{20\sqrt{5}i}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{20\sqrt{5}i}{429}$	$\frac{5\sqrt{30}i}{143}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{5\sqrt{2}i}{39}$	$-\frac{40\sqrt{3}i}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{40\sqrt{3}i}{429}$	$-\frac{5\sqrt{30}i}{143}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{5\sqrt{2}i}{39}$	$\frac{20\sqrt{5}i}{429}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{20\sqrt{5}i}{429}$	$\frac{10\sqrt{15}i}{429}$	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis																
1002	$\mathbb{T}_{6,-5}^{(a)}(1,0)$	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	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	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	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	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	0	
		$-\frac{5\sqrt{110}i}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{25\sqrt{11}i}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{25\sqrt{11}i}{429}$	$\frac{10\sqrt{66}i}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{10\sqrt{66}i}{429}$	$-\frac{25\sqrt{11}i}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{25\sqrt{11}i}{429}$	$-\frac{5\sqrt{110}i}{429}$	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
1003	$\mathbb{T}_{6,-6}^{(a)}(1,0)$	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	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	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	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	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	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	0
		$-\frac{10\sqrt{33}i}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{10\sqrt{22}i}{143}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{10\sqrt{22}i}{143}$	$\frac{10\sqrt{33}i}{429}$	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis												
1004	$\mathbb{G}_{1,1}^{(a)}(1,0)$	0	$3i$	$-\frac{\sqrt{6}i}{2}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{6}i}{2}$	0	0	0	0	0	0	0	0	0
		0	0	0	$2i$	$-\frac{\sqrt{10}i}{2}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{10}i}{2}$	0	0	0	0	0	0	0
		0	0	0	0	0	i	$-\sqrt{3}i$	0	0	0	0	0	0
		0	0	0	0	0	0	$\sqrt{3}i$	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\sqrt{3}i$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\sqrt{3}i$	0	0	0	0
		0	0	0	0	0	0	0	0	$-i$	$-\frac{\sqrt{10}i}{2}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{10}i}{2}$	0	0
		0	0	0	0	0	0	0	0	0	0	$-2i$	$-\frac{\sqrt{6}i}{2}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{6}i}{2}$
		0	0	0	0	0	0	0	0	0	0	0	0	$-3i$
		0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
1005	$\mathbb{G}_{1,0}^{(a)}(1,0)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\sqrt{3}i$	0	0	0	0	0	0	0	0	0	0	0
		0	$\sqrt{3}i$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\sqrt{5}i$	0	0	0	0	0	0	0	0	0
		0	0	0	$\sqrt{5}i$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\sqrt{6}i$	0	0	0	0	0	0	0
		0	0	0	0	0	$\sqrt{6}i$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-\sqrt{6}i$	0	0	0	0	0	0
		0	0	0	0	0	0	$\sqrt{6}i$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\sqrt{5}i$	0	0	0	0
		0	0	0	0	0	0	0	0	$\sqrt{5}i$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\sqrt{3}i$	0	0
		0	0	0	0	0	0	0	0	0	0	$\sqrt{3}i$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
1006	$\mathbb{G}_{1,-1}^{(a)}(1,0)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$3i$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{6}i}{2}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{6}i}{2}$	$2i$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{\sqrt{10}i}{2}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{\sqrt{10}i}{2}$	i	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\sqrt{3}i$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\sqrt{3}i$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\sqrt{3}i$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\sqrt{3}i$	$-i$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{10}i}{2}$	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{10}i}{2}$	$-2i$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{6}i}{2}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{6}i}{2}$	$-3i$	0	0

continued ...

表 10

no.	type	basis
1007	$\mathbb{G}_{3,3}^{(a)}(1,0)$	$\left(\begin{array}{cccccccccccccccc} 0 & 0 & 0 & 0 & 0 & -i & \frac{\sqrt{3}i}{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{2} & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{2}i}{2} & \frac{\sqrt{6}i}{2} & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{2} & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{6}i}{2} & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{6}i}{2} & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & \frac{\sqrt{2}i}{2} & \frac{\sqrt{3}i}{2} & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & -\frac{\sqrt{3}i}{2} & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & i \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{array} \right)$

continued ...

表 10

no.	type	basis													
1008	$\mathbb{G}_{3,2}^{(a)}(1,0)$	0	0	0	$\frac{\sqrt{15}i}{3}$	$-\frac{\sqrt{6}i}{3}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{\sqrt{6}i}{3}$	$\frac{\sqrt{2}i}{2}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{\sqrt{3}i}{3}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{\sqrt{3}i}{3}$	i	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{\sqrt{30}i}{6}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	i	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{30}i}{6}$	$\frac{\sqrt{3}i}{3}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{3}i}{3}$	$\frac{\sqrt{2}i}{2}$	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{6}i}{3}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{6}i}{3}$	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{15}i}{3}$	
		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	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis													
1009	$\mathbb{G}_{3,1}^{(a)}(1,0)$	0	$-i$	$\frac{\sqrt{6}i}{6}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{\sqrt{6}i}{6}$	$-\frac{\sqrt{15}i}{3}$	0	0	0	0	0	0	0	0	
		0	0	0	i	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{\sqrt{30}i}{6}$	0	0	0	0	0	0	
		0	0	0	0	0	i	$-\frac{\sqrt{3}i}{6}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$\frac{\sqrt{3}i}{6}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{3}i}{6}$	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{\sqrt{3}i}{6}$	$\frac{\sqrt{30}i}{6}$	0	0	0	
		0	0	0	0	0	0	0	0	0	$-i$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{15}i}{3}$	0	
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{6}i}{6}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{6}i}{6}$	
		0	0	0	0	0	0	0	0	0	0	0	0	i	
		0	0	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis														
1010	$\mathbb{G}_{3,0}^{(a)}(1,0)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\sqrt{2}i$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\sqrt{2}i$	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	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-i$	0	0	0	0	0	0	0	0
		0	0	0	0	0	i	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$-i$	0	0	0	0	0	0	0
		0	0	0	0	0	0	i	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	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\sqrt{2}i$	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\sqrt{2}i$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
1011	$\mathbb{G}_{3,-1}^{(a)}(1,0)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-i$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{6}i}{6}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{6}i}{6}$	i	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{15}i}{3}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	i	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{30}i}{6}$	$-\frac{\sqrt{3}i}{6}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{\sqrt{3}i}{6}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{3}i}{6}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{3}i}{6}$	$-i$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{30}i}{6}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-i$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{15}i}{3}$	$\frac{\sqrt{6}i}{6}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{6}i}{6}$	i	0	0	0

continued ...

表 10

no.	type	basis														
1012	$\mathbb{G}_{3,-2}^{(a)}(1,0)$	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{15}i}{3}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{6}i}{3}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{6}i}{3}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{2}i}{2}$	$\frac{\sqrt{3}i}{3}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{3}i}{3}$	$\frac{\sqrt{30}i}{6}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-i$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{30}i}{6}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-i$	$-\frac{\sqrt{3}i}{3}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{3}i}{3}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{2}i}{2}$	$-\frac{\sqrt{6}i}{3}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{\sqrt{6}i}{3}$	$-\frac{\sqrt{15}i}{3}$	0	0	0	0	0

continued ...

表 10

no.	type	basis														
1013	$\mathbb{G}_{3,-3}^{(a)}(1,0)$	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	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	0	0	0	0	0	0	0	0	0	0	0	0
		$-i$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{\sqrt{3}i}{2}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$-\frac{\sqrt{3}i}{2}$	$-\frac{\sqrt{2}i}{2}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$\frac{\sqrt{6}i}{2}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{6}i}{2}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{\sqrt{6}i}{2}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{6}i}{2}$	$\frac{\sqrt{2}i}{2}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{\sqrt{3}i}{2}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{\sqrt{3}i}{2}$	i	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
1014	$\mathbb{G}_{5,5}^{(a)}(1,0)$	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{14}i}{33}$	$-\frac{5\sqrt{35}i}{33}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{35}i}{33}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{35}i}{33}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{35}i}{33}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{14}i}{33}$	
		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	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	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	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	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis													
1015	$\mathbb{G}_{5,4}^{(a)}(1,0)$	0	0	0	0	0	0	0	$-\frac{2\sqrt{105}i}{33}$	$\frac{4\sqrt{35}i}{33}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{4\sqrt{35}i}{33}$	$-\frac{5\sqrt{14}i}{33}$	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{\sqrt{210}i}{33}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{14}i}{33}$	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{210}i}{33}$	$-\frac{4\sqrt{35}i}{33}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{35}i}{33}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{105}i}{33}$	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	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
		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	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
1016	$\mathbb{G}_{5,3}^{(a)}(1,0)$	0	0	0	0	0	$\frac{2\sqrt{70}i}{33}$	$-\frac{\sqrt{210}i}{33}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{210}i}{33}$	$\frac{\sqrt{70}i}{11}$	0	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{4\sqrt{35}i}{33}$	$\frac{\sqrt{105}i}{33}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{105}i}{33}$	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{105}i}{33}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{105}i}{33}$	$-\frac{\sqrt{70}i}{11}$	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{4\sqrt{35}i}{33}$	$-\frac{\sqrt{210}i}{33}$	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{\sqrt{210}i}{33}$	0
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{70}i}{33}$	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	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
		0	0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis													
1017	$\mathbb{G}_{5,2}^{(a)}(1,0)$	0	0	0	$-\frac{5\sqrt{42}i}{99}$	$\frac{2\sqrt{105}i}{99}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{2\sqrt{105}i}{99}$	$-\frac{4\sqrt{35}i}{33}$	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{\sqrt{70}i}{11}$	$-\frac{2\sqrt{210}i}{99}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{2\sqrt{210}i}{99}$	$\frac{2\sqrt{70}i}{33}$	0	0	0	0	0	
		0	0	0	0	0	0	$-\frac{10\sqrt{21}i}{99}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{2\sqrt{70}i}{33}$	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{10\sqrt{21}i}{99}$	$\frac{2\sqrt{210}i}{99}$	0	0	0	0	
		0	0	0	0	0	0	0	0	0	$-\frac{2\sqrt{210}i}{99}$	$-\frac{4\sqrt{35}i}{33}$	0	0	
		0	0	0	0	0	0	0	0	0	$\frac{\sqrt{70}i}{11}$	$-\frac{2\sqrt{105}i}{99}$	0	0	
		0	0	0	0	0	0	0	0	0	0	0	$\frac{2\sqrt{105}i}{99}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{42}i}{99}$	
		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	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis													
1018	$\mathbb{G}_{5,1}^{(a)}(1,0)$	0	$\frac{5i}{33}$	$-\frac{5\sqrt{6}i}{198}$	0	0	0	0	0	0	0	0	0	0	
		0	0	0	$\frac{5\sqrt{6}i}{198}$	$\frac{14\sqrt{15}i}{99}$	0	0	0	0	0	0	0	0	
		0	0	0	$-\frac{20i}{33}$	$\frac{\sqrt{10}i}{22}$	0	0	0	0	0	0	0	0	
		0	0	0	0	0	$-\frac{\sqrt{10}i}{22}$	$-\frac{14\sqrt{30}i}{99}$	0	0	0	0	0	0	
		0	0	0	0	0	$\frac{25i}{33}$	$-\frac{5\sqrt{3}i}{99}$	0	0	0	0	0	0	
		0	0	0	0	0	0	$\frac{5\sqrt{3}i}{99}$	0	0	0	0	0	0	
		0	0	0	0	0	0	0	$-\frac{5\sqrt{3}i}{99}$	0	0	0	0	0	
		0	0	0	0	0	0	0	0	$\frac{5\sqrt{3}i}{99}$	$\frac{14\sqrt{30}i}{99}$	0	0	0	
		0	0	0	0	0	0	0	0	$-\frac{25i}{33}$	$\frac{\sqrt{10}i}{22}$	0	0	0	
		0	0	0	0	0	0	0	0	0	0	$-\frac{\sqrt{10}i}{22}$	$-\frac{14\sqrt{15}i}{99}$	0	
		0	0	0	0	0	0	0	0	0	0	$\frac{20i}{33}$	$-\frac{5\sqrt{6}i}{198}$	0	
		0	0	0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{6}i}{198}$	
		0	0	0	0	0	0	0	0	0	0	0	0	$-\frac{5i}{33}$	
		0	0	0	0	0	0	0	0	0	0	0	0	0	

continued ...

表 10

no.	type	basis												
1019	$\mathbb{G}_{5,0}^{(a)}(1,0)$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{5\sqrt{5}i}{33}$	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{5}i}{33}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{5\sqrt{3}i}{11}$	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{5\sqrt{3}i}{11}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{5\sqrt{10}i}{33}$	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{10}i}{33}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{5\sqrt{10}i}{33}$	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{10}i}{33}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$\frac{5\sqrt{3}i}{11}$	0	0	0	0
		0	0	0	0	0	0	0	$-\frac{5\sqrt{3}i}{11}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$-\frac{5\sqrt{5}i}{33}$	0	0
		0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{5}i}{33}$	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis														
1020	$\mathbb{G}_{5,-1}^{(a)}(1,0)$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{5i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{5\sqrt{6}i}{198}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{6}i}{198}$	$-\frac{20i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{14\sqrt{15}i}{99}$	$\frac{\sqrt{10}i}{22}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{10}i}{22}$	$\frac{25i}{33}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{14\sqrt{30}i}{99}$	$-\frac{5\sqrt{3}i}{99}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{5\sqrt{3}i}{99}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$-\frac{5\sqrt{3}i}{99}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{5\sqrt{3}i}{99}$	$-\frac{25i}{33}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{14\sqrt{30}i}{99}$	$\frac{\sqrt{10}i}{22}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{\sqrt{10}i}{22}$	$\frac{20i}{33}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{14\sqrt{15}i}{99}$	$-\frac{5\sqrt{6}i}{198}$	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	$\frac{5\sqrt{6}i}{198}$	$-\frac{5i}{33}$	0	0	0

continued ...

表 10

no.	type	basis														
1021	$\mathbb{G}_{5,-2}^{(a)}(1,0)$	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{5\sqrt{42}i}{99}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{2\sqrt{105}i}{99}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{2\sqrt{105}i}{99}$	$-\frac{\sqrt{70}i}{11}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{4\sqrt{35}i}{33}$	$\frac{2\sqrt{210}i}{99}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{210}i}{99}$	$\frac{10\sqrt{21}i}{99}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{2\sqrt{70}i}{33}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$\frac{10\sqrt{21}i}{99}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{2\sqrt{70}i}{33}$	$-\frac{2\sqrt{210}i}{99}$	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{2\sqrt{210}i}{99}$	$-\frac{\sqrt{70}i}{11}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	$\frac{4\sqrt{35}i}{33}$	$\frac{2\sqrt{105}i}{99}$	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	$-\frac{2\sqrt{105}i}{99}$	$\frac{5\sqrt{42}i}{99}$	0	0	0	0	0

continued ...

表 10

no.	type	basis														
1022	$\mathbb{G}_{5,-3}^{(a)}(1,0)$	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	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	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{2\sqrt{70}i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{\sqrt{210}i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{210}i}{33}$	$-\frac{4\sqrt{35}i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{\sqrt{70}i}{11}$	$\frac{\sqrt{105}i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$-\frac{\sqrt{105}i}{33}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$\frac{\sqrt{105}i}{33}$	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{105}i}{33}$	$\frac{4\sqrt{35}i}{33}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{\sqrt{70}i}{11}$	$-\frac{\sqrt{210}i}{33}$	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	$\frac{\sqrt{210}i}{33}$	$-\frac{2\sqrt{70}i}{33}$	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
1023	$\mathbb{G}_{5,-4}^{(a)}(1,0)$	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	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	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	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$\frac{2\sqrt{105}i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{4\sqrt{35}i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{4\sqrt{35}i}{33}$	$-\frac{\sqrt{210}i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{14}i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	$-\frac{\sqrt{210}i}{33}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{5\sqrt{14}i}{33}$	$\frac{4\sqrt{35}i}{33}$	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	$-\frac{4\sqrt{35}i}{33}$	$\frac{2\sqrt{105}i}{33}$	0	0	0	0	0	0	0	0	0

continued ...

表 10

no.	type	basis															
1024	$\mathbb{G}_{5,-5}^{(a)}(1,0)$	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	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	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	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	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	0
		$\frac{5\sqrt{14}i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		$-\frac{5\sqrt{35}i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	$\frac{5\sqrt{35}i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	$-\frac{5\sqrt{35}i}{33}$	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	$\frac{5\sqrt{35}i}{33}$	$-\frac{5\sqrt{14}i}{33}$	0	0	0	0	0	0	0	0	0	0	0