

type A3, s=3, subset=[1]

|           |   |   |   |  |   |
|-----------|---|---|---|--|---|
| $i+j=1$   | $\mathbb{C}L_{1,1,1}^3L_{1,2,1}L_{2,2,1}L_{1,2,2}L_{2,2,2}$       |   |   |  |   |
| $i+j=3$   | $\mathbb{C}L_{1,1,1}^4L_{1,2,1}L_{2,2,1}^2L_{1,2,2}^2L_{2,2,2}^2$ | $\mathbb{C}^3L_{1,1,1}^6L_{1,2,1}^2L_{2,2,1}^3L_{1,2,2}^3L_{3,2,1}L_{2,2,2}^2L_{1,2,3}L_{2,3,2}$          |   |  |   |
| $i+j=5$   | $L_{1,1,1}^2L_{2,2,1}^2L_{1,2,2}^2L_{2,2,2}^2$                    | $\mathbb{C}^4L_{1,1,1}^{10}L_{1,2,1}^4L_{2,2,1}^7L_{1,2,2}^7L_{3,2,1}^2L_{2,2,2}^4L_{1,2,3}^2L_{2,3,2}^2$ | $\mathbb{C}^4L_{1,1,1}^6L_{1,2,1}^2L_{2,2,1}^3L_{1,2,2}^3L_{3,2,1}L_{2,2,2}^2L_{1,2,3}L_{2,3,2}$          |  |   |
| $i+j=7$   | 0   | $L_{1,1,1}^3L_{1,2,1}^2L_{2,2,1}^4L_{1,2,2}^2L_{3,2,1}^2L_{2,2,2}^2L_{1,2,3}^2L_{2,3,2}^2$                | $\mathbb{C}^4L_{1,1,1}^{10}L_{1,2,1}^4L_{2,2,1}^7L_{1,2,2}^7L_{3,2,1}^2L_{2,2,2}^4L_{1,2,3}^2L_{2,3,2}^2$ | $\mathbb{C}^3L_{1,1,1}^6L_{1,2,1}^2L_{2,2,1}^3L_{1,2,2}^3L_{3,2,1}L_{2,2,2}^2L_{1,2,3}L_{2,3,2}$ |   |
| $i+j=9$   | 0   | 0   | $L_{1,1,1}^2L_{2,2,1}^2L_{1,2,2}^2L_{2,2,2}^2$  | $\mathbb{C}L_{1,1,1}^4L_{1,2,1}L_{2,2,1}^2L_{1,2,2}^2L_{2,2,2}^2$                                | $\mathbb{C}L_{1,1,1}^3L_{1,2,1}L_{2,2,1}L_{1,2,2}L_{2,2,2}$ |
| $h^{i,j}$ | $j-i=1$   | $j-i=3$   | $j-i=5$   | $j-i=7$  | $j-i=9$   |

|           |         |         |         |         |         |
|-----------|---------|---------|---------|---------|---------|
| $i+j=1$   | 240     |         |         |         |         |
| $i+j=3$   | 429     | 816     |         |         |         |
| $i+j=5$   | 378     | 1690    | 817     |         |         |
| $i+j=7$   | 0       | 1103    | 1690    | 816     |         |
| $i+j=9$   | 0       | 0       | 378     | 429     | 240     |
| $h^{i,j}$ | $j-i=1$ | $j-i=3$ | $j-i=5$ | $j-i=7$ | $j-i=9$ |

|   | module       | multiplicity | dimension |
|---|--------------|--------------|-----------|
|   | all          |              | 9026      |
|   | $\mathbb{C}$ | 22           | 1         |
| $L\left(\alpha_1+\alpha_2+\alpha_3\right)$    |              | 59           | 15        |
| $L\left(\alpha_1+2\alpha_2+\alpha_3\right)$   |              | 20           | 20        |
| $L\left(2\alpha_1+2\alpha_2+\alpha_3\right)$  |              | 37           | 45        |
| $L\left(\alpha_1+2\alpha_2+2\alpha_3\right)$  |              | 37           | 45        |
| $L\left(2\alpha_1+2\alpha_2+2\alpha_3\right)$ |              | 26           | 84        |
| $L\left(3\alpha_1+2\alpha_2+\alpha_3\right)$  |              | 9            | 35        |
| $L\left(\alpha_1+2\alpha_2+3\alpha_3\right)$  |              | 9            | 35        |
| $L\left(2\alpha_1+3\alpha_2+2\alpha_3\right)$ |              | 9            | 175       |