

type A3, s=8, subset=[1, 2]

| | | | | |
|-----------|-------------|--|--|-------------|
| $i+j=0$ | $L_{4,4,4}$ | | | |
| $i+j=2$ | 0 | $L_{4,4,3}L_{3,4,4}L_{5,4,3}L_{4,4,4}^2L_{3,4,5}L_{4,5,4}L_{5,5,4}L_{4,5,5}$ | | |
| $i+j=4$ | 0 | 0 | $L_{4,4,3}L_{3,4,4}L_{5,4,3}L_{4,4,4}^2L_{3,4,5}L_{4,5,4}L_{5,5,4}L_{4,5,5}$ | |
| $i+j=6$ | 0 | 0 | 0 | $L_{4,4,4}$ |
| $h^{i,j}$ | $j-i=0$ | $j-i=2$ | $j-i=4$ | $j-i=6$ |

| | | | | |
|-----------|---------|---------|---------|---------|
| $i+j=0$ | 825 | | | |
| $i+j=2$ | 0 | 11396 | | |
| $i+j=4$ | 0 | 0 | 11396 | |
| $i+j=6$ | 0 | 0 | 0 | 825 |
| $h^{i,j}$ | $j-i=0$ | $j-i=2$ | $j-i=4$ | $j-i=6$ |

| module | multiplicity | dimension |
|--|--------------|-----------|
| all | | 24442 |
| $L(4\alpha_1 + 4\alpha_2 + 4\alpha_3)$ | 6 | 825 |
| $L(4\alpha_1 + 4\alpha_2 + 3\alpha_3)$ | 2 | 875 |
| $L(3\alpha_1 + 4\alpha_2 + 4\alpha_3)$ | 2 | 875 |
| $L(5\alpha_1 + 4\alpha_2 + 3\alpha_3)$ | 2 | 616 |
| $L(3\alpha_1 + 4\alpha_2 + 5\alpha_3)$ | 2 | 616 |
| $L(4\alpha_1 + 5\alpha_2 + 4\alpha_3)$ | 2 | 2156 |
| $L(5\alpha_1 + 5\alpha_2 + 4\alpha_3)$ | 2 | 2304 |
| $L(4\alpha_1 + 5\alpha_2 + 5\alpha_3)$ | 2 | 2304 |