type A3, s=4, subset=[1]

```
 \begin{array}{c|c} i+j=0 & L_{1,1,1}L_{1,2,1}L_{2,2,2} \\ i+j=2 & L_{1,2,1}L_{2,2,2}^2 \end{array} 
                                                                                                \begin{array}{l} \mathbb{C}^2 L_{1,1,1}^7 L_{1,2,1}^5 L_{2,2,1}^4 L_{1,2,2}^4 L_{3,2,1} L_{2,2,2}^5 L_{1,2,3} L_{2,3,2}^2 L_{3,3,2} L_{2,3,3} \\ \mathbb{C} L_{1,1,1}^4 L_{1,2,1}^2 L_{2,2,1}^5 L_{1,2,2}^5 L_{3,2,1}^2 L_{2,2,2}^8 L_{1,2,3}^2 L_{2,3,2}^2 L_{3,3,2}^2 L_{2,3,3}^2 \\ L_{2,2,1}^2 L_{1,2,2}^2 L_{3,2,1}^2 L_{2,2,2}^4 L_{1,2,3}^2 L_{2,2,2}^2 L_{1,2,3}^2 L_{2,3,2}^2 L_{2,3,3}^2 \end{array} 
                                                                                                                                                                                                                                                                                                                            \begin{array}{l} \mathbb{C}^5L^{13}_{1,1,1}L^8_{1,2,1}L^7_{2,2,1}L^7_{1,2,2}L^3_{3,2,1}L^8_{2,2,2}L^3_{1,2,3}L^5_{2,3,2}L^2_{3,3,2}L_{2,4,2}L^2_{2,3,3} \\ \mathbb{C}^3L^8_{1,1,1}L^5_{1,2,1}L^8_{2,2,1}L^8_{1,2,2}L^6_{3,2,1}L^{11}_{2,2,2}L^6_{1,2,3}L^7_{2,3,2}L^4_{3,3,2}L_{2,4,2}L^4_{2,3,3} \\ L^2_{2,2,1}L^2_{1,2,2}L^2_{3,2,1}L^4_{2,2,2}L^2_{1,2,3}L^2_{2,3,2}L^2_{3,3,2}L^2_{2,3,3} \end{array} 
  i+j=4 \mid L_{2,2,2}^2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         \begin{array}{c} \mathbb{C}^5 L^{13}_{1,1,1} L^8_{1,2,1} L^7_{2,2,1} L^7_{1,2,2} L^3_{3,2,1} L^8_{2,2,2} L^3_{1,2,3} L^5_{2,3,2} L^2_{3,3,2} L_{2,4,2} L^2_{2,3,3} \\ \mathbb{C} L^4_{1,1,1} L^2_{1,2,1} L^5_{2,2,1} L^5_{1,2,2} L^2_{3,2,1} L^8_{2,2,2} L^2_{1,2,3} L^3_{2,3,2} L^2_{3,3,2} L^2_{2,3,3} \end{array} 
  i+j=6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          \mathbb{C}^2L^7_{1,1,1}L^5_{1,2,1}L^4_{2,2,1}L^4_{1,2,2}L_{3,2,1}L^5_{2,2,2}L_{1,2,3}L^2_{2,3,2}L_{3,3,2}L_{2,3,3}
  i+j=8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            L_{2,2,2}^2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          L_{1,2,1}L_{2,2,2}^2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      L_{1,1,1}L_{1,2,1}L_{2,2,2}
i+j=10 | 0
     h^{i,j} \mid_{j-i=0}
                                                                                                  j-i=2
                                                                                                                                                                                                                                                                                                                            j-i=4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            j-i=6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          j-i=8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    j - i = 10
```

i + j = 0	119					
i+j=2	188	1919				
i+j=4	168	2912	3876			
i+j=6	0	2030	5665	3876		
i + j = 8	0	0	2030	2912	1919	
i+j=0 i+j=2 i+j=4 i+j=6 i+j=8 i+j=10	0	0	0	168	188	119
$h^{i,j}$	j-i=0	j - i = 2	j-i=4	j - i = 6	j-i=8	j - i = 10

module	multiplicity	dimension
all		28089
$L\left(\alpha_1+\alpha_2+\alpha_3\right)$	58	15
$L\left(\alpha_1 + 2\alpha_2 + \alpha_3\right)$	39	20
$L\left(2\alpha_1+2\alpha_2+2\alpha_3\right)$	71	84
\mathbb{C}	19	1
$L\left(2\alpha_1+2\alpha_2+\alpha_3\right)$	44	45
$L\left(\alpha_1+2\alpha_2+2\alpha_3\right)$	44	45
$L\left(3\alpha_1+2\alpha_2+\alpha_3\right)$	22	35
$L\left(\alpha_1+2\alpha_2+3\alpha_3\right)$	22	35
$L\left(2\alpha_1+3\alpha_2+2\alpha_3\right)$	31	175
$L\left(3\alpha_1+3\alpha_2+2\alpha_3\right)$	18	256
$L\left(2\alpha_1+3\alpha_2+3\alpha_3\right)$	18	256
$L(2\alpha_1 + 4\alpha_2 + 2\alpha_3)$	3	105