type A3, s=2, subset=|2|

```
L_{1,1,1}^{2} \mathbb{C}L_{1,1,1}^{3}L_{2,2,1}L_{1,2,2}
                                                                   L_{1,1,1}^{2,1,1} \mathbb{C}^2 L_{1,1,1}^{2,1,1} L_{1,2,1} L_{2,2,1}^2 L_{1,2,2}^2 \mathbb{C} L_{1,1,1}^3 L_{2,2,1} L_{1,2,2}
                                                                                                                                     \begin{array}{c} \mathbb{C}^{2}L_{1,1,1}^{1,1}L_{1,2,1}^{2,2}L_{2,2,1}^{2,2}L_{1,2,2}^{2,2} & \mathbb{C}^{4}L_{1,1,1}^{9}L_{1,2,1}^{4}L_{2,2,1}^{3}L_{1,2,2}^{3} & \mathbb{C}L_{1,1,1}^{3}L_{2,2,1}L_{1,2,2} \\ \mathbb{C} & \mathbb{C}^{2}L_{1,1,1}^{5}L_{1,2,1}L_{2,2,1}^{2}L_{1,2,2}^{2} & \mathbb{C}^{2}L_{1,1,1}^{7}L_{1,2,1}L_{2,2,1}^{2}L_{1,2,2} & \mathbb{C}^{2}L_{1,1,1}^{7}L_{1,2,1}L_{2,2,1}^{2}L_{1,2,2} \\ \mathbb{C} & \mathbb{C}^{2}L_{1,1,1}^{5}L_{1,2,1}L_{2,2,1}^{2}L_{1,2,2}^{2} & \mathbb{C}L_{1,1,1}^{3}L_{2,2,1}L_{1,2,2} \\ \mathbb{C} & \mathbb{C}L_{1,1,1}^{3}L_{1,2,1}L_{2,2,1}^{2}L_{1,2,2} & \mathbb{C}L_{1,1,1}^{3}L_{2,2,1}L_{1,2,2} \\ \mathbb{C} & \mathbb{C}L_{1,1,1}^{3}L_{1,2,1}L_{2,2,1}^{3}L_{1,2,2} & \mathbb{C}L_{1,1,1}^{3}L_{2,2,1}L_{1,2,2} \\ \mathbb{C} & \mathbb{C}L_{1,1,1}^{3}L_{1,2,1}L_{2,2,1}^{3}L_{1,2,2} & \mathbb{C}L_{1,1,1}^{3}L_{2,2,1}L_{1,2,2} \\ \mathbb{C} & \mathbb{C}L_{1,1,1}^{3}L_{1,2,1}L_{1,2,1}^{3}L_{2,2,1}L_{1,2,2} \\ \mathbb{C}L_{1,1,1}^{3}L_{1,2,1}L_{1,2,1}^{3}L_{1,2,2} & \mathbb{C}L_{1,1,1}^{3}L_{1,2,2} \\ \mathbb{C}L_{1,1,1}^{3}L_{1,2,1}L_{1,2,2} & \mathbb{C}L_{1,1,1}^{3}L_{1,2,2} & \mathbb{C}L_{1,1,1}^{3}L_{1,2,2} \\ \mathbb{C}L_{1,1,1}^{3}L_{1,2,2} & \mathbb{C}L_{1,1}^{3}L_{1,2,2} & \mathbb{C}L_{1,1,1}^{3}L_{1,2,2} \\ \mathbb{C}L_{1,1,1}^{3}L_{1,2,2} & \mathbb{C}L_{1,1,1}^{3}L_{1,2,2} & \mathbb{C}L_{1,1,1}^{3}L_{1,2,2} \\ \mathbb{C}L_{1,1,1}^{3}L_{1,2,2} & \mathbb{C}L_{1,1}^{3}L_{1,2} & \mathbb{C}L_{1,1}^{3}L_{1,2} \\ \mathbb{C}L_{1,1}^{3}L_{1,2
       i+j=6
       i+j=8
i + j = 10
                                                                                                                                        i-i=2
                                                                                                                                                                                                                                                                                                                                                                                i-i=4
                                                                   15
       i+j=0
                                                                                                                                        136
       i+j=2
                                                                                                                                        307
                                                                                                                                                                                                         136
       i+j=4
                                                                                                                                        297
                                                                                                                                                                                                         489
                                                                                                                                                                                                                                                                          136
       i+j=6
                                                                                                                                                                                                         297
                                                                                                                                                                                                                                                                          307
                                                                                                                                                                                                                                                                                                                                         136
       i+j=8
                                                                                                                                                                                                                                                                          30
                                                                                                                                                                                                                                                                                                                                         30
                                                                                                                                                                                                                                                                                                                                                                                                          15
i + j = 10
                       h^{i,j}
                                                                                                                                       i-i=2 i-i=4
                                                                                                                                                                                                                                                                       i-i=6
                                                                                                                                                                                                                                                                                                                                      i-i=8
```

 $L_{1,1,1}^2$

i-i=6

 $L_{1,1,1}^2$

i-i=8

 $L_{1,1,1}$

i - i = 10

module	multiplicity	dimension
all		2392
$L\left(\alpha_1+\alpha_2+\alpha_3\right)$	55	15
\mathbb{C}	17	1
$L\left(2\alpha_1+2\alpha_2+\alpha_3\right)$	15	45
$L\left(\alpha_1 + 2\alpha_2 + 2\alpha_3\right)$	15	45
$L\left(\alpha_1 + 2\alpha_2 + \alpha_3\right)$	10	20