type A3, s=4, subset=[1, 3]

$i+j=0$	$L_{1,2,1}L_{2,2,2}$				
$i+j=2$	$L_{2,2,2}$	$L_{1,1,1}^2L_{1,2,1}^2L_{2,2,1}^3L_{1,2,2}^3L_{3,2,1}L_{2,2,2}^4L_{1,2,3}L_{2,3,2}^2L_{3,3,2}L_{2,3,3}$			
$i+j=4$	0	$L_{2,2,1}L_{1,2,2}L_{3,2,1}L_{2,2,2}^2L_{1,2,3}L_{2,3,2}L_{3,3,2}L_{2,3,3}$	$\mathbb{C}L_{1,1,1}^4L_{1,2,1}^4L_{2,2,1}^4L_{1,2,2}^4L_{3,2,1}^3L_{2,2,2}^6L_{1,2,3}^3L_{2,3,2}^4L_{3,3,2}^2L_{2,4,2}L_{2,3,3}^2$		
$i+j=6$	0	0	$L_{2,2,1}L_{1,2,2}L_{3,2,1}L_{2,2,2}^2L_{1,2,3}L_{2,3,2}L_{3,3,2}L_{2,3,3}$	$L_{1,1,1}^2L_{1,2,1}^2L_{2,2,1}^3L_{1,2,2}^3L_{3,2,1}L_{2,2,2}^4L_{1,2,3}L_{2,3,2}^2L_{3,3,2}L_{2,3,3}$	
$i+j=8$	0	0	0	$L_{2,2,2}$	$L_{1,2,1}L_{2,2,2}$
$h^{i,j}$	$j-i=0$	$j-i=2$	$j-i=4$	$j-i=6$	$j-i=8$

$i+j=0$	104				
$i+j=2$	84	1608			
$i+j=4$	0	1015	3044		
$i+j=6$	0	0	1015	1608	
$i+j=8$	0	0	0	84	104
$h^{i,j}$	$j-i=0$	$j-i=2$	$j-i=4$	$j-i=6$	$j-i=8$

module	multiplicity	dimension
all		8666
$L\left(\alpha_1+2\alpha_2+\alpha_3\right)$	10	20
$L\left(2\alpha_1+2\alpha_2+2\alpha_3\right)$	22	84
$L\left(\alpha_1+\alpha_2+\alpha_3\right)$	8	15
$L\left(2\alpha_1+2\alpha_2+\alpha_3\right)$	12	45
$L\left(\alpha_1+2\alpha_2+2\alpha_3\right)$	12	45
$L\left(3\alpha_1+2\alpha_2+\alpha_3\right)$	7	35
$L\left(\alpha_1+2\alpha_2+3\alpha_3\right)$	7	35
$L\left(2\alpha_1+3\alpha_2+2\alpha_3\right)$	10	175
$L\left(3\alpha_1+3\alpha_2+2\alpha_3\right)$	6	256
$L\left(2\alpha_1+3\alpha_2+3\alpha_3\right)$	6	256
$\mathbb{C}$	1	1
$L\left(2\alpha_1+4\alpha_2+2\alpha_3\right)$	1	105