Littlewood–Richardson Coefficients

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Abstract

We give a self- contained, rigorous exposition of a Python program that computes the $(k{+}1)^{\mathrm{st}}$ socle layer of a tensor product of induced modules. The algorithm relies on combinatorial representation theory: partitions, skew shapes, Littlewood–Richardson (LR) coefficients, and Yamanouchi (lattice) words. All mathematical notions are introduced together with the corresponding code fragments; the overall flow of the program is described in detail.

Contents

Table 1: Table for $\lambda = (6,)$, $\mu = (6,)$:

$k = 12: \quad 6V^{\varnothing,\varnothing}$
$k = 11: \quad 798V^{\varnothing,\varnothing} \oplus 5V^{\varnothing,(1)} \oplus 5V^{(1),\varnothing}$
$k = 10: \quad 1433V^{\varnothing,\varnothing} \oplus 336V^{\varnothing,(1)} \oplus 4V^{\varnothing,(2)} \oplus 336V^{(1),\varnothing} \oplus 154V^{(1),(1)} \oplus 4V^{(2),\varnothing}$
$k = 9: \quad 1191V^{\varnothing,\varnothing} \oplus 535V^{\varnothing,(1)} \oplus 138V^{\varnothing,(2)} \oplus 3V^{\varnothing,(3)} \oplus 535V^{(1),\varnothing} \oplus 856V^{(1),(1)} \oplus 34V^{(1),(2)} \oplus 138V^{(2),\varnothing} \oplus 34V^{(2),(1)} \oplus 3V^{(3),\varnothing}$
$k = 8: \quad 625V^{\varnothing,\varnothing} \oplus 360V^{\varnothing,(1)} \oplus 177V^{\varnothing,(2)} \oplus 66V^{\varnothing,(3)} \oplus 2V^{\varnothing,(4)} \oplus 360V^{(1),\varnothing} \oplus 1460V^{(1),(1)} \oplus 328V^{(1),(2)} \oplus 10V^{(1),(3)} \oplus 177V^{(2),\varnothing} \oplus 328V^{(2),(1)} \oplus 34V^{(2),(2)} \oplus 66V^{(3),\varnothing} \oplus 10V^{(3),(1)} \oplus 2V^{(4),\varnothing}$
$k = 7: \quad 121V^{\varnothing,\varnothing} \oplus 125V^{\varnothing,(1)} \oplus 84V^{\varnothing,(2)} \oplus 53V^{\varnothing,(3)} \oplus 28V^{\varnothing,(4)} \oplus V^{\varnothing,(5)} \oplus 125V^{(1),\varnothing} \oplus 1196V^{(1),(1)} \oplus 516V^{(1),(2)} \oplus 132V^{(1),(3)} \oplus 4V^{(1),(4)} \oplus 84V^{(2),\varnothing} \oplus 516V^{(2),(1)} \oplus 130V^{(2),(2)} \oplus 10V^{(2),(3)} \oplus 53V^{(3),\varnothing} \oplus 132V^{(3),(1)} \oplus 10V^{(3),(2)} \oplus 28V^{(4),\varnothing} \oplus 4V^{(4),(1)} \oplus V^{(5),\varnothing}$
$k = 6: \quad V^{\varnothing,\varnothing} \oplus V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(3)} \oplus V^{\varnothing,(4)} \oplus V^{\varnothing,(5)} \oplus V^{(1),\varnothing} \oplus 624V^{(1),(1)} \oplus 344V^{(1),(2)} \oplus 168V^{(1),(3)} \oplus 62V^{(1),(4)} \oplus 2V^{(1),(5)} \oplus V^{(2),\varnothing} \oplus 344V^{(2),(1)} \oplus 184V^{(2),(2)} \oplus 52V^{(2),(3)} \oplus 4V^{(2),(4)} \oplus V^{(3),\varnothing} \oplus 168V^{(3),(1)} \oplus 52V^{(3),(2)} \oplus 10V^{(3),(3)} \oplus V^{(4),\varnothing} \oplus 62V^{(4),(1)} \oplus 4V^{(4),(2)} \oplus V^{(5),\varnothing} \oplus 2V^{(5),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 80V^{(1),(3)} \oplus 50V^{(1),(4)} \oplus 26V^{(1),(5)} \oplus V^{(1),(6)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(2)} \oplus 60V^{(2),(3)} \oplus 24V^{(2),(4)} \oplus 2V^{(2),(5)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(2)} \oplus 22V^{(3),(3)} \oplus 4V^{(3),(4)} \oplus 50V^{(4),(1)} \oplus 24V^{(4),(2)} \oplus 4V^{(4),(3)} \oplus 26V^{(5),(1)} \oplus 2V^{(5),(2)} \oplus V^{(6),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(3)} \oplus 18V^{(2),(4)} \oplus 10V^{(2),(5)} \oplus V^{(2),(6)} \oplus 24V^{(3),(2)} \oplus 20V^{(3),(3)} \oplus 10V^{(3),(4)} \oplus 2V^{(3),(5)} \oplus 18V^{(4),(2)} \oplus 10V^{(4),(3)} \oplus 4V^{(4),(4)} \oplus 10V^{(5),(2)} \oplus 2V^{(5),(3)} \oplus V^{(6),(2)}$
$k = 3: \quad 6V^{(3),(3)} \oplus 6V^{(3),(4)} \oplus 4V^{(3),(5)} \oplus V^{(3),(6)} \oplus 6V^{(4),(3)} \oplus 5V^{(4),(4)} \oplus 2V^{(4),(5)} \oplus 4V^{(5),(3)} \oplus 2V^{(5),(4)} \oplus V^{(6),(3)}$
$k = 2: \quad 2V^{(4),(4)} \oplus 2V^{(4),(5)} \oplus V^{(4),(6)} \oplus 2V^{(5),(4)} \oplus 2V^{(5),(5)} \oplus V^{(6),(4)}$
$k = 1: \quad V^{(5),(5)} \oplus V^{(5),(6)} \oplus V^{(6),(5)}$
$k = 0: \quad V^{(6),(6)}$

Table 2: Table for $\lambda = (6,)$, $\mu = (5,1)$:

$k = 12: \quad 5V^{\varnothing,\varnothing}$
$k = 11: \quad 802V^{\varnothing,\varnothing} \oplus 9V^{\varnothing,(1)} \oplus 35V^{(1),\varnothing}$
$k = 10: \quad 1437V^{\varnothing,\varnothing} \oplus 646V^{\varnothing,(1)} \oplus 7V^{\varnothing,(2)} \oplus 4V^{\varnothing,(1,1)} \oplus 530V^{(1),\varnothing} \oplus 187V^{(1),(1)} \oplus 18V^{(2),\varnothing}$
$k = 9: \quad 1195V^{\varnothing,\varnothing} \oplus 1045V^{\varnothing,(1)} \oplus 266V^{\varnothing,(2)} \oplus 138V^{\varnothing,(1,1)} \oplus 5V^{\varnothing,(3)} \oplus 3V^{\varnothing,(2,1)} \oplus 838V^{(1),\varnothing} \oplus 1036V^{(1),(1)} \oplus 43V^{(1),(2)} \oplus 34V^{(1),(1,1)} \oplus 214V^{(2),\varnothing} \oplus 67V^{(2),(1)} \oplus 8V^{(3),\varnothing}$
$k = 8:$ $629V^{\varnothing,\varnothing} \oplus 704V^{\varnothing,(1)} \oplus 345V^{\varnothing,(2)} \oplus 177V^{\varnothing,(1,1)} \oplus 128V^{\varnothing,(3)} \oplus 66V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(4)} \oplus 2V^{\varnothing,(3,1)} \oplus 568V^{(1),\varnothing} \oplus 1670V^{(1),(1)} \oplus 396V^{(1),(2)} \oplus 328V^{(1),(1,1)} \oplus 13V^{(1),(3)} \oplus 10V^{(1),(2,1)} \oplus 276V^{(2),\varnothing} \oplus 396V^{(2),(1)} \oplus 43V^{(2),(2)} \oplus 34V^{(2),(1,1)} \oplus 92V^{(3),\varnothing} \oplus 19V^{(3),(1)} \oplus 3V^{(4),\varnothing}$
$k = 7: \quad 125V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 164V^{\varnothing,(2)} \oplus 84V^{\varnothing,(1,1)} \oplus 103V^{\varnothing,(3)} \oplus 53V^{\varnothing,(2,1)} \oplus 54V^{\varnothing,(4)} \oplus 28V^{\varnothing,(3,1)} \oplus V^{\varnothing,(5)} \oplus V^{\varnothing,(4,1)} \oplus 220V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 516V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 132V^{(1),(2,1)} \oplus 5V^{(1),(4)} \oplus 4V^{(1),(3,1)} \oplus 140V^{(2),\varnothing} \oplus 582V^{(2),(1)} \oplus 160V^{(2),(2)} \oplus 130V^{(2),(1,1)} \oplus 13V^{(2),(3)} \oplus 10V^{(2),(2,1)} \oplus 80V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 19V^{(3),(2)} \oplus 10V^{(3),(1,1)} \oplus 36V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus V^{(5),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(3)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(4)} \oplus V^{\varnothing,(3,1)} \oplus V^{\varnothing,(5)} \oplus V^{\varnothing,(4,1)} \oplus 25V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 344V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 168V^{(1),(2,1)} \oplus 72V^{(1),(4)} \oplus 62V^{(1),(3,1)} \oplus 2V^{(1),(5)} \oplus 2V^{(1),(4,1)} \oplus 20V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 206V^{(2),(2)} \oplus 184V^{(2),(1,1)} \oplus 64V^{(2),(3)} \oplus 52V^{(2),(2,1)} \oplus 5V^{(2),(4)} \oplus 4V^{(2),(3,1)} \oplus 15V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 52V^{(3),(1,1)} \oplus 13V^{(3),(3)} \oplus 10V^{(3),(2,1)} \oplus 10V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 7V^{(4),(2)} \oplus 4V^{(4),(1,1)} \oplus 5V^{(5),\varnothing} \oplus 3V^{(5),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 26V^{(1),(5)} \oplus 26V^{(1),(4,1)} \oplus V^{(1),(5,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 102V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 60V^{(2),(2,1)} \oplus 28V^{(2),(4)} \oplus 24V^{(2),(3,1)} \oplus 2V^{(2),(5)} \oplus 2V^{(2),(4,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 60V^{(3),(1,1)} \oplus 28V^{(3),(3)} \oplus 22V^{(3),(2,1)} \oplus 5V^{(3),(4)} \oplus 4V^{(3),(3,1)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 24V^{(4),(1,1)} \oplus 7V^{(4),(3)} \oplus 4V^{(4),(2,1)} \oplus 26V^{(5),(1)} \oplus 3V^{(5),(2)} \oplus 2V^{(5),(1,1)} \oplus V^{(6),(1)}$
$k = 4:$ $24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 10V^{(2),(5)} \oplus 10V^{(2),(4,1)} \oplus V^{(2),(5,1)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 22V^{(3),(3)} \oplus 20V^{(3),(2,1)} \oplus 12V^{(3),(4)} \oplus 10V^{(3),(3,1)} \oplus 2V^{(3),(5)} \oplus 2V^{(3),(4,1)} \oplus 18V^{(4),(2)} \oplus 18V^{(4),(1,1)} \oplus 12V^{(4),(3)} \oplus 10V^{(4),(2,1)} \oplus 5V^{(4),(4)} \oplus 4V^{(4),(3,1)} \oplus 10V^{(5),(2)} \oplus 10V^{(5),(1,1)} \oplus 3V^{(5),(3)} \oplus 2V^{(5),(2,1)} \oplus V^{(6),(2)} \oplus V^{(6),(1,1)}$
$k = 3: \quad 6V^{(3),(3)} \oplus 6V^{(3),(2,1)} \oplus 6V^{(3),(4)} \oplus 6V^{(3),(3,1)} \oplus 4V^{(3),(5)} \oplus 4V^{(3),(4,1)} \oplus V^{(3),(5,1)} \oplus 6V^{(4),(3)} \oplus 6V^{(4),(2,1)} \oplus 6V^{(4),(4)} \oplus 5V^{(4),(3,1)} \oplus 2V^{(4),(5)} \oplus 2V^{(4),(4,1)} \oplus 4V^{(5),(3)} \oplus 4V^{(5),(2,1)} \oplus 3V^{(5),(4)} \oplus 2V^{(5),(3,1)} \oplus V^{(6),(3)} \oplus V^{(6),(2,1)}$
$k = 2: \quad 2V^{(4),(4)} \oplus 2V^{(4),(3,1)} \oplus 2V^{(4),(5)} \oplus 2V^{(4),(4,1)} \oplus V^{(4),(5,1)} \oplus 2V^{(5),(4)} \oplus 2V^{(5),(3,1)} \oplus 2V^{(5),(5)} \oplus 2V^{(5),(4,1)} \oplus V^{(6),(4)} \oplus V^{(6),(3,1)}$
$k = 1: \quad V^{(5),(5)} \oplus V^{(5),(4,1)} \oplus V^{(5),(5,1)} \oplus V^{(6),(5)} \oplus V^{(6),(4,1)}$
$k = 0: \quad V^{(6),(5,1)}$

Table 3: Table for $\lambda = (6,)$, $\mu = (4,2)$:

$k = 12: \quad 4V^{\varnothing,\varnothing}$
$k = 11: \quad 805V^{\varnothing,\varnothing} \oplus 10V^{\varnothing,(1)} \oplus 63V^{(1),\varnothing}$
$k = 10: \quad 1441V^{\varnothing,\varnothing} \oplus 654V^{\varnothing,(1)} \oplus 8V^{\varnothing,(2)} \oplus 6V^{\varnothing,(1,1)} \oplus 642V^{(1),\varnothing} \oplus 193V^{(1),(1)} \oplus 22V^{(2),\varnothing}$
$k = 9: \quad 1199V^{\varnothing,\varnothing} \oplus 1051V^{\varnothing,(1)} \oplus 286V^{\varnothing,(2)} \oplus 162V^{\varnothing,(1,1)} \oplus 5V^{\varnothing,(3)} \oplus 5V^{\varnothing,(2,1)} \oplus 1038V^{(1),\varnothing} \oplus 1060V^{(1),(1)} \oplus 45V^{(1),(2)} \oplus 42V^{(1),(1,1)} \oplus 254V^{(2),\varnothing} \oplus 73V^{(2),(1)} \oplus 8V^{(3),\varnothing}$
$k = 8: \quad 633V^{\varnothing,\varnothing} \oplus 704V^{\varnothing,(1)} \oplus 363V^{\varnothing,(2)} \oplus 195V^{\varnothing,(1,1)} \oplus 128V^{\varnothing,(3)} \oplus 128V^{\varnothing,(2,1)} \oplus 2V^{\varnothing,(4)} \oplus 3V^{\varnothing,(3,1)} \oplus 2V^{\varnothing,(2,2)} \oplus 728V^{(1),\varnothing} \oplus 1682V^{(1),(1)} \oplus 412V^{(1),(2)} \oplus 356V^{(1),(1,1)} \oplus 13V^{(1),(3)} \oplus 13V^{(1),(2,1)} \oplus 348V^{(2),\varnothing} \oplus 408V^{(2),(1)} \oplus 45V^{(2),(2)} \oplus 42V^{(2),(1,1)} \oplus 108V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 3V^{(4),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 164V^{\varnothing,(2)} \oplus 84V^{\varnothing,(1,1)} \oplus 103V^{\varnothing,(3)} \oplus 103V^{\varnothing,(2,1)} \oplus 28V^{\varnothing,(4)} \oplus 54V^{\varnothing,(3,1)} \oplus 28V^{\varnothing,(2,2)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,2)} \oplus 390V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 594V^{(1),(2)} \oplus 528V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 160V^{(1),(2,1)} \oplus 4V^{(1),(4)} \oplus 5V^{(1),(3,1)} \oplus 4V^{(1),(2,2)} \oplus 188V^{(2),\varnothing} \oplus 582V^{(2),(1)} \oplus 168V^{(2),(2)} \oplus 144V^{(2),(1,1)} \oplus 13V^{(2),(3)} \oplus 13V^{(2),(2,1)} \oplus 104V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 21V^{(3),(2)} \oplus 18V^{(3),(1,1)} \oplus 44V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus V^{(5),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(3)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(4)} \oplus V^{\varnothing,(3,1)} \oplus V^{\varnothing,(2,2)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,2)} \oplus 81V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 344V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 186V^{(1),(2,1)} \oplus 62V^{(1),(4)} \oplus 72V^{(1),(3,1)} \oplus 62V^{(1),(2,2)} \oplus 2V^{(1),(4,1)} \oplus 2V^{(1),(3,2)} \oplus 54V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 210V^{(2),(2)} \oplus 188V^{(2),(1,1)} \oplus 64V^{(2),(3)} \oplus 64V^{(2),(2,1)} \oplus 4V^{(2),(4)} \oplus 5V^{(2),(3,1)} \oplus 4V^{(2),(2,2)} \oplus 27V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 68V^{(3),(2)} \oplus 56V^{(3),(1,1)} \oplus 13V^{(3),(3)} \oplus 13V^{(3),(2,1)} \oplus 18V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 9V^{(4),(2)} \oplus 6V^{(4),(1,1)} \oplus 9V^{(5),\varnothing} \oplus 3V^{(5),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(4,2)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 102V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 24V^{(2),(4)} \oplus 28V^{(2),(3,1)} \oplus 24V^{(2),(2,2)} \oplus 2V^{(2),(4,1)} \oplus 2V^{(2),(3,2)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 60V^{(3),(1,1)} \oplus 28V^{(3),(3)} \oplus 28V^{(3),(2,1)} \oplus 4V^{(3),(4)} \oplus 5V^{(3),(3,1)} \oplus 4V^{(3),(2,2)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 24V^{(4),(1,1)} \oplus 7V^{(4),(3)} \oplus 7V^{(4),(2,1)} \oplus 26V^{(5),(1)} \oplus 3V^{(5),(2)} \oplus 2V^{(5),(1,1)} \oplus V^{(6),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(4,1)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(4,2)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 22V^{(3),(3)} \oplus 22V^{(3),(2,1)} \oplus 10V^{(3),(4)} \oplus 12V^{(3),(3,1)} \oplus 10V^{(3),(2,2)} \oplus 2V^{(3),(4,1)} \oplus 2V^{(3),(3,2)} \oplus 18V^{(4),(2)} \oplus 18V^{(4),(1,1)} \oplus 12V^{(4),(3)} \oplus 12V^{(4),(2,1)} \oplus 4V^{(4),(4)} \oplus 5V^{(4),(3,1)} \oplus 4V^{(4),(2,2)} \oplus 10V^{(5),(2)} \oplus 10V^{(5),(1,1)} \oplus 3V^{(5),(3)} \oplus 3V^{(5),(2,1)} \oplus V^{(6),(2)} \oplus V^{(6),(1,1)}$
$k = 3:$ $6V^{(3),(3)} \oplus 6V^{(3),(2,1)} \oplus 6V^{(3),(4)} \oplus 6V^{(3),(3,1)} \oplus 6V^{(3),(2,2)} \oplus 4V^{(3),(4,1)} \oplus 4V^{(3),(3,2)} \oplus V^{(3),(4,2)} \oplus 6V^{(4),(3)} \oplus 6V^{(4),(2,1)} \oplus 5V^{(4),(4)} \oplus 6V^{(4),(3,1)} \oplus 5V^{(4),(2,2)} \oplus 2V^{(4),(4,1)} \oplus 2V^{(4),(3,2)} \oplus 4V^{(5),(3)} \oplus 4V^{(5),(2,1)} \oplus 2V^{(5),(4)} \oplus 3V^{(5),(3,1)} \oplus 2V^{(5),(2,2)} \oplus V^{(6),(3)} \oplus V^{(6),(2,1)}$
$k = 2: \quad 2V^{(4),(4)} \oplus 2V^{(4),(3,1)} \oplus 2V^{(4),(2,2)} \oplus 2V^{(4),(4,1)} \oplus 2V^{(4),(3,2)} \oplus V^{(4),(4,2)} \oplus 2V^{(5),(4)} \oplus 2V^{(5),(3,1)} \oplus 2V^{(5),(2,2)} \oplus 2V^{(5),(4,1)} \oplus 2V^{(5),(3,2)} \oplus V^{(6),(4)} \oplus V^{(6),(3,1)} \oplus V^{(6),(2,2)}$
$k = 1: \quad V^{(5),(4,1)} \oplus V^{(5),(3,2)} \oplus V^{(5),(4,2)} \oplus V^{(6),(4,1)} \oplus V^{(6),(3,2)}$
$k = 0: \quad V^{(6),(4,2)}$

Table 4: Table for $\lambda = (6,)$, $\mu = (4,1,1)$:

$k = 12: \quad 4V^{\varnothing,\varnothing}$
$k = 11: \quad 806V^{\varnothing,\varnothing} \oplus 11V^{\varnothing,(1)} \oplus 80V^{(1),\varnothing}$
$k = 10: \quad 1442V^{\varnothing,\varnothing} \oplus 694V^{\varnothing,(1)} \oplus 8V^{\varnothing,(2)} \oplus 7V^{\varnothing,(1,1)} \oplus 686V^{(1),\varnothing} \oplus 195V^{(1),(1)} \oplus 28V^{(2),\varnothing}$
$k = 9:$ $1200V^{\varnothing,\varnothing} \oplus 1105V^{\varnothing,(1)} \oplus 286V^{\varnothing,(2)} \oplus 266V^{\varnothing,(1,1)} \oplus 5V^{\varnothing,(3)} \oplus 5V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(1,1,1)} \oplus$ $1094V^{(1),\varnothing} \oplus 1092V^{(1),(1)} \oplus 45V^{(1),(2)} \oplus 43V^{(1),(1,1)} \oplus 268V^{(2),\varnothing} \oplus 75V^{(2),(1)} \oplus 9V^{(3),\varnothing}$
$k = 8: \quad 634V^{\varnothing,\varnothing} \oplus 728V^{\varnothing,(1)} \oplus 363V^{\varnothing,(2)} \oplus 345V^{\varnothing,(1,1)} \oplus 128V^{\varnothing,(3)} \oplus 128V^{\varnothing,(2,1)} \oplus$ $66V^{\varnothing,(1,1,1)} \oplus 2V^{\varnothing,(4)} \oplus 3V^{\varnothing,(3,1)} \oplus 2V^{\varnothing,(2,1,1)} \oplus 928V^{(1),\varnothing} \oplus 1718V^{(1),(1)} \oplus$ $412V^{(1),(2)} \oplus 396V^{(1),(1,1)} \oplus 13V^{(1),(3)} \oplus 13V^{(1),(2,1)} \oplus 10V^{(1),(1,1,1)} \oplus 366V^{(2),\varnothing} \oplus$ $424V^{(2),(1)} \oplus 45V^{(2),(2)} \oplus 43V^{(2),(1,1)} \oplus 112V^{(3),\varnothing} \oplus 27V^{(3),(1)} \oplus 3V^{(4),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 164V^{\varnothing,(2)} \oplus 164V^{\varnothing,(1,1)} \oplus 103V^{\varnothing,(3)} \oplus 103V^{\varnothing,(2,1)} \oplus$ $53V^{\varnothing,(1,1,1)} \oplus 28V^{\varnothing,(4)} \oplus 54V^{\varnothing,(3,1)} \oplus 28V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,1,1)} \oplus 470V^{(1),\varnothing} \oplus$ $1316V^{(1),(1)} \oplus 594V^{(1),(2)} \oplus 582V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 160V^{(1),(2,1)} \oplus 132V^{(1),(1,1,1)} \oplus$ $4V^{(1),(4)} \oplus 5V^{(1),(3,1)} \oplus 4V^{(1),(2,1,1)} \oplus 240V^{(2),\varnothing} \oplus 594V^{(2),(1)} \oplus 168V^{(2),(2)} \oplus$ $160V^{(2),(1,1)} \oplus 13V^{(2),(3)} \oplus 13V^{(2),(2,1)} \oplus 10V^{(2),(1,1,1)} \oplus 110V^{(3),\varnothing} \oplus 168V^{(3),(1)} \oplus$ $21V^{(3),(2)} \oplus 19V^{(3),(1,1)} \oplus 46V^{(4),\varnothing} \oplus 9V^{(4),(1)} \oplus V^{(5),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(3)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(1,1,1)} \oplus V^{\varnothing,(4)} \oplus V^{\varnothing,(3,1)} \oplus$ $V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,1,1)} \oplus 100V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus$ $186V^{(1),(3)} \oplus 186V^{(1),(2,1)} \oplus 168V^{(1),(1,1,1)} \oplus 62V^{(1),(4)} \oplus 72V^{(1),(3,1)} \oplus 62V^{(1),(2,1,1)} \oplus$ $2V^{(1),(4,1)} \oplus 2V^{(1),(3,1,1)} \oplus 70V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 210V^{(2),(2)} \oplus 206V^{(2),(1,1)} \oplus$ $64V^{(2),(3)} \oplus 64V^{(2),(2,1)} \oplus 52V^{(2),(1,1,1)} \oplus 4V^{(2),(4)} \oplus 5V^{(2),(3,1)} \oplus 4V^{(2),(2,1,1)} \oplus$ $40V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 68V^{(3),(2)} \oplus 64V^{(3),(1,1)} \oplus 13V^{(3),(3)} \oplus 13V^{(3),(2,1)} \oplus$ $10V^{(3),(1,1,1)} \oplus 20V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 9V^{(4),(2)} \oplus 7V^{(4),(1,1)} \oplus 10V^{(5),\varnothing} \oplus 3V^{(5),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus$ $80V^{(1),(1,1,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,1,1)} \oplus$ $V^{(1),(4,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus$ $60V^{(2),(1,1,1)} \oplus 24V^{(2),(4)} \oplus 28V^{(2),(3,1)} \oplus 24V^{(2),(2,1,1)} \oplus 2V^{(2),(4,1)} \oplus 2V^{(2),(3,1,1)} \oplus$ $80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 28V^{(3),(3)} \oplus 28V^{(3),(2,1)} \oplus 22V^{(3),(1,1,1)} \oplus$ $4V^{(3),(4)} \oplus 5V^{(3),(3,1)} \oplus 4V^{(3),(2,1,1)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 7V^{(4),(3)} \oplus$ $7V^{(4),(2,1)} \oplus 4V^{(4),(1,1,1)} \oplus 26V^{(5),(1)} \oplus 3V^{(5),(2)} \oplus 3V^{(5),(1,1)} \oplus V^{(6),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus$ $18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(4,1)} \oplus 10V^{(2),(3,1,1)} \oplus V^{(2),(4,1,1)} \oplus$ $24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 22V^{(3),(3)} \oplus 22V^{(3),(2,1)} \oplus 20V^{(3),(1,1,1)} \oplus 10V^{(3),(4)} \oplus$ $12V^{(3),(3,1)} \oplus 10V^{(3),(2,1,1)} \oplus 2V^{(3),(4,1)} \oplus 2V^{(3),(3,1,1)} \oplus 18V^{(4),(2)} \oplus 18V^{(4),(1,1)} \oplus$ $12V^{(4),(3)} \oplus 12V^{(4),(2,1)} \oplus 10V^{(4),(1,1,1)} \oplus 4V^{(4),(4)} \oplus 5V^{(4),(3,1)} \oplus 4V^{(4),(2,1,1)} \oplus$ $10V^{(5),(2)} \oplus 10V^{(5),(1,1)} \oplus 3V^{(5),(3)} \oplus 3V^{(5),(2,1)} \oplus 2V^{(5),(1,1,1)} \oplus V^{(6),(2)} \oplus V^{(6),(1,1)}$
$k = 3: \quad 6V^{(3),(3)} \oplus 6V^{(3),(2,1)} \oplus 6V^{(3),(1,1,1)} \oplus 6V^{(3),(4)} \oplus 6V^{(3),(3,1)} \oplus 6V^{(3),(2,1,1)} \oplus$ $4V^{(3),(4,1)} \oplus 4V^{(3),(3,1,1)} \oplus V^{(3),(4,1,1)} \oplus 6V^{(4),(3)} \oplus 6V^{(4),(2,1)} \oplus 6V^{(4),(1,1,1)} \oplus 5V^{(4),(4)} \oplus$ $6V^{(4),(3,1)} \oplus 5V^{(4),(2,1,1)} \oplus 2V^{(4),(4,1)} \oplus 2V^{(4),(3,1,1)} \oplus 4V^{(5),(3)} \oplus 4V^{(5),(2,1)} \oplus$ $4V^{(5),(1,1,1)} \oplus 2V^{(5),(4)} \oplus 3V^{(5),(3,1)} \oplus 2V^{(5),(2,1,1)} \oplus V^{(6),(3)} \oplus V^{(6),(2,1)} \oplus V^{(6),(1,1,1)}$
$k = 2: \quad 2V^{(4),(4)} \oplus 2V^{(4),(3,1)} \oplus 2V^{(4),(2,1,1)} \oplus 2V^{(4),(4,1)} \oplus 2V^{(4),(3,1,1)} \oplus V^{(4),(4,1,1)} \oplus$ $2V^{(5),(4)} \oplus 2V^{(5),(3,1)} \oplus 2V^{(5),(2,1,1)} \oplus 2V^{(5),(4,1)} \oplus 2V^{(5),(3,1,1)} \oplus V^{(6),(4)} \oplus V^{(6),(3,1)} \oplus V^{(6),(2,1,1)}$
$k = 1: \quad V^{(5),(4,1)} \oplus V^{(5),(3,1,1)} \oplus V^{(5),(4,1,1)} \oplus V^{(6),(4,1)} \oplus V^{(6),(3,1,1)}$
$k = 0: \quad V^{(6),(4,1,1)}$

Table 5: Table for $\lambda = (6,)$, $\mu = (3,3)$:

$k = 12: \quad 3V^{\varnothing,\varnothing}$
$k = 11: \quad 797V^{\varnothing,\varnothing} \oplus 8V^{\varnothing,(1)} \oplus 46V^{(1),\varnothing}$
$k = 10: \quad 1435V^{\varnothing,\varnothing} \oplus 644V^{\varnothing,(1)} \oplus 6V^{\varnothing,(2)} \oplus 5V^{\varnothing,(1,1)} \oplus 536V^{(1),\varnothing} \oplus 163V^{(1),(1)} \oplus 21V^{(2),\varnothing}$
$k = 9: \quad 1195V^{\varnothing,\varnothing} \oplus 1045V^{\varnothing,(1)} \oplus 262V^{\varnothing,(2)} \oplus 158V^{\varnothing,(1,1)} \oplus 3V^{\varnothing,(3)} \oplus 4V^{\varnothing,(2,1)} \oplus 838V^{(1),\varnothing} \oplus 1012V^{(1),(1)} \oplus 37V^{(1),(2)} \oplus 36V^{(1),(1,1)} \oplus 214V^{(2),\varnothing} \oplus 43V^{(2),(1)} \oplus 8V^{(3),\varnothing}$
$k = 8:$ $624V^{\varnothing,\varnothing} \oplus 704V^{\varnothing,(1)} \oplus 345V^{\varnothing,(2)} \oplus 195V^{\varnothing,(1,1)} \oplus 66V^{\varnothing,(3)} \oplus 118V^{\varnothing,(2,1)} \oplus 2V^{\varnothing,(3,1)} \oplus 2V^{\varnothing,(2,2)} \oplus 568V^{(1),\varnothing} \oplus 1670V^{(1),(1)} \oplus 384V^{(1),(2)} \oplus 344V^{(1),(1,1)} \oplus 10V^{(1),(3)} \oplus 11V^{(1),(2,1)} \oplus 276V^{(2),\varnothing} \oplus 396V^{(2),(1)} \oplus 37V^{(2),(2)} \oplus 36V^{(2),(1,1)} \oplus 92V^{(3),\varnothing} \oplus 19V^{(3),(1)} \oplus 3V^{(4),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 164V^{\varnothing,(2)} \oplus 84V^{\varnothing,(1,1)} \oplus 53V^{\varnothing,(3)} \oplus 103V^{\varnothing,(2,1)} \oplus 28V^{\varnothing,(3,1)} \oplus 28V^{\varnothing,(2,2)} \oplus V^{\varnothing,(3,2)} \oplus 245V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 528V^{(1),(1,1)} \oplus 132V^{(1),(3)} \oplus 152V^{(1),(2,1)} \oplus 4V^{(1),(3,1)} \oplus 4V^{(1),(2,2)} \oplus 140V^{(2),\varnothing} \oplus 582V^{(2),(1)} \oplus 154V^{(2),(2)} \oplus 138V^{(2),(1,1)} \oplus 10V^{(2),(3)} \oplus 11V^{(2),(2,1)} \oplus 80V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 13V^{(3),(2)} \oplus 12V^{(3),(1,1)} \oplus 36V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus V^{(5),\varnothing}$
$k = 6:$ $V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(3)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(3,1)} \oplus V^{\varnothing,(2,2)} \oplus V^{\varnothing,(3,2)} \oplus 25V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 344V^{(1),(1,1)} \oplus 168V^{(1),(3)} \oplus 186V^{(1),(2,1)} \oplus 62V^{(1),(3,1)} \oplus 62V^{(1),(2,2)} \oplus 2V^{(1),(3,2)} \oplus 25V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 206V^{(2),(2)} \oplus 188V^{(2),(1,1)} \oplus 52V^{(2),(3)} \oplus 60V^{(2),(2,1)} \oplus 4V^{(2),(3,1)} \oplus 4V^{(2),(2,2)} \oplus 15V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 56V^{(3),(1,1)} \oplus 10V^{(3),(3)} \oplus 11V^{(3),(2,1)} \oplus 10V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 7V^{(4),(2)} \oplus 6V^{(4),(1,1)} \oplus 5V^{(5),\varnothing} \oplus 3V^{(5),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(3,3)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 102V^{(2),(1,1)} \oplus 60V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 24V^{(2),(3,1)} \oplus 24V^{(2),(2,2)} \oplus 2V^{(2),(3,2)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 60V^{(3),(1,1)} \oplus 22V^{(3),(3)} \oplus 26V^{(3),(2,1)} \oplus 4V^{(3),(3,1)} \oplus 4V^{(3),(2,2)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 24V^{(4),(1,1)} \oplus 4V^{(4),(3)} \oplus 5V^{(4),(2,1)} \oplus 26V^{(5),(1)} \oplus 3V^{(5),(2)} \oplus 2V^{(5),(1,1)} \oplus V^{(6),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(3,3)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 20V^{(3),(3)} \oplus 22V^{(3),(2,1)} \oplus 10V^{(3),(3,1)} \oplus 10V^{(3),(2,2)} \oplus 2V^{(3),(3,2)} \oplus 18V^{(4),(2)} \oplus 18V^{(4),(1,1)} \oplus 10V^{(4),(3)} \oplus 12V^{(4),(2,1)} \oplus 4V^{(4),(3,1)} \oplus 4V^{(4),(2,2)} \oplus 10V^{(5),(2)} \oplus 10V^{(5),(1,1)} \oplus 2V^{(5),(3)} \oplus 3V^{(5),(2,1)} \oplus V^{(6),(2)} \oplus V^{(6),(1,1)}$
$k = 3: \quad 6V^{(3),(3)} \oplus 6V^{(3),(2,1)} \oplus 6V^{(3),(3,1)} \oplus 6V^{(3),(2,2)} \oplus 4V^{(3),(3,2)} \oplus V^{(3),(3,3)} \oplus 6V^{(4),(3)} \oplus 6V^{(4),(2,1)} \oplus 5V^{(4),(3,1)} \oplus 5V^{(4),(2,2)} \oplus 2V^{(4),(3,2)} \oplus 4V^{(5),(3)} \oplus 4V^{(5),(2,1)} \oplus 2V^{(5),(3,1)} \oplus 2V^{(5),(2,2)} \oplus V^{(6),(3)} \oplus V^{(6),(2,1)}$
$k = 2: \quad 2V^{(4),(3,1)} \oplus 2V^{(4),(2,2)} \oplus 2V^{(4),(3,2)} \oplus V^{(4),(3,3)} \oplus 2V^{(5),(3,1)} \oplus 2V^{(5),(2,2)} \oplus 2V^{(5),(3,2)} \oplus V^{(6),(3,1)} \oplus V^{(6),(2,2)}$
$k = 1: \quad V^{(5),(3,2)} \oplus V^{(5),(3,3)} \oplus V^{(6),(3,2)}$
$k = 0: \quad V^{(6),(3,3)}$

Table 6: Table for $\lambda = (6,)$, $\mu = (3,2,1)$:

$k = 12: \quad 3V^{\varnothing,\varnothing}$
$k = 11: \quad 808V^{\varnothing,\varnothing} \oplus 12V^{\varnothing,(1)} \oplus 117V^{(1),\varnothing}$
$k = 10: \quad 1446V^{\varnothing,\varnothing} \oplus 696V^{\varnothing,(1)} \oplus 9V^{\varnothing,(2)} \oplus 9V^{\varnothing,(1,1)} \oplus 848V^{(1),\varnothing} \oplus 219V^{(1),(1)} \oplus 31V^{(2),\varnothing}$
$k = 9:$ $1206V^{\varnothing,\varnothing} \oplus 1105V^{\varnothing,(1)} \oplus 290V^{\varnothing,(2)} \oplus 290V^{\varnothing,(1,1)} \oplus 4V^{\varnothing,(3)} \oplus 7V^{\varnothing,(2,1)} \oplus 4V^{\varnothing,(1,1,1)} \oplus$ $1394V^{(1),\varnothing} \oplus 1116V^{(1),(1)} \oplus 51V^{(1),(2)} \oplus 51V^{(1),(1,1)} \oplus 328V^{(2),\varnothing} \oplus 99V^{(2),(1)} \oplus 9V^{(3),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 728V^{\varnothing,(1)} \oplus 363V^{\varnothing,(2)} \oplus 363V^{\varnothing,(1,1)} \oplus 76V^{\varnothing,(3)} \oplus 190V^{\varnothing,(2,1)} \oplus$ $76V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 1264V^{(1),\varnothing} \oplus 1718V^{(1),(1)} \oplus$ $424V^{(1),(2)} \oplus 424V^{(1),(1,1)} \oplus 12V^{(1),(3)} \oplus 16V^{(1),(2,1)} \oplus 12V^{(1),(1,1,1)} \oplus 474V^{(2),\varnothing} \oplus$ $424V^{(2),(1)} \oplus 51V^{(2),(2)} \oplus 51V^{(2),(1,1)} \oplus 136V^{(3),\varnothing} \oplus 27V^{(3),(1)} \oplus 3V^{(4),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 164V^{\varnothing,(2)} \oplus 164V^{\varnothing,(1,1)} \oplus 53V^{\varnothing,(3)} \oplus 153V^{\varnothing,(2,1)} \oplus$ $53V^{\varnothing,(1,1,1)} \oplus 54V^{\varnothing,(3,1)} \oplus 54V^{\varnothing,(2,2)} \oplus 54V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(3,2)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus$ $760V^{(1),\varnothing} \oplus 1316V^{(1),(1)} \oplus 594V^{(1),(2)} \oplus 594V^{(1),(1,1)} \oplus 140V^{(1),(3)} \oplus 188V^{(1),(2,1)} \oplus$ $140V^{(1),(1,1,1)} \oplus 5V^{(1),(3,1)} \oplus 5V^{(1),(2,2)} \oplus 5V^{(1),(2,1,1)} \oplus 336V^{(2),\varnothing} \oplus 594V^{(2),(1)} \oplus$ $174V^{(2),(2)} \oplus 174V^{(2),(1,1)} \oplus 12V^{(2),(3)} \oplus 16V^{(2),(2,1)} \oplus 12V^{(2),(1,1,1)} \oplus 146V^{(3),\varnothing} \oplus$ $168V^{(3),(1)} \oplus 27V^{(3),(2)} \oplus 27V^{(3),(1,1)} \oplus 58V^{(4),\varnothing} \oplus 9V^{(4),(1)} \oplus V^{(5),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(3)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(1,1,1)} \oplus V^{\varnothing,(3,1)} \oplus V^{\varnothing,(2,2)} \oplus$ $V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(3,2)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 256V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus$ $368V^{(1),(1,1)} \oplus 168V^{(1),(3)} \oplus 204V^{(1),(2,1)} \oplus 168V^{(1),(1,1,1)} \oplus 72V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus$ $72V^{(1),(2,1,1)} \oplus 2V^{(1),(3,2)} \oplus 2V^{(1),(3,1,1)} \oplus 2V^{(1),(2,2,1)} \oplus 128V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus$ $210V^{(2),(2)} \oplus 210V^{(2),(1,1)} \oplus 56V^{(2),(3)} \oplus 76V^{(2),(2,1)} \oplus 56V^{(2),(1,1,1)} \oplus 5V^{(2),(3,1)} \oplus 5V^{(2),(2,2)} \oplus$ $5V^{(2),(2,1,1)} \oplus 64V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 68V^{(3),(2)} \oplus 68V^{(3),(1,1)} \oplus 12V^{(3),(3)} \oplus 16V^{(3),(2,1)} \oplus$ $12V^{(3),(1,1,1)} \oplus 32V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 9V^{(4),(2)} \oplus 9V^{(4),(1,1)} \oplus 16V^{(5),\varnothing} \oplus 3V^{(5),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus$ $80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(3,2)} \oplus 26V^{(1),(3,1,1)} \oplus$ $26V^{(1),(2,2,1)} \oplus V^{(1),(3,2,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 60V^{(2),(3)} \oplus$ $72V^{(2),(2,1)} \oplus 60V^{(2),(1,1,1)} \oplus 28V^{(2),(3,1)} \oplus 28V^{(2),(2,2)} \oplus 28V^{(2),(2,1,1)} \oplus 2V^{(2),(3,2)} \oplus$ $2V^{(2),(3,1,1)} \oplus 2V^{(2),(2,2,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 24V^{(3),(3)} \oplus 34V^{(3),(2,1)} \oplus$ $24V^{(3),(1,1,1)} \oplus 5V^{(3),(3,1)} \oplus 5V^{(3),(2,2)} \oplus 5V^{(3),(2,1,1)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus$ $6V^{(4),(3)} \oplus 10V^{(4),(2,1)} \oplus 6V^{(4),(1,1,1)} \oplus 26V^{(5),(1)} \oplus 3V^{(5),(2)} \oplus 3V^{(5),(1,1)} \oplus V^{(6),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(3,1)} \oplus$ $18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(3,2)} \oplus 10V^{(2),(3,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus V^{(2),(3,2,1)} \oplus$ $24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 20V^{(3),(3)} \oplus 24V^{(3),(2,1)} \oplus 20V^{(3),(1,1,1)} \oplus 12V^{(3),(3,1)} \oplus$ $12V^{(3),(2,2)} \oplus 12V^{(3),(2,1,1)} \oplus 2V^{(3),(3,2)} \oplus 2V^{(3),(3,1,1)} \oplus 2V^{(3),(2,2,1)} \oplus 18V^{(4),(2)} \oplus$ $18V^{(4),(1,1)} \oplus 10V^{(4),(3)} \oplus 14V^{(4),(2,1)} \oplus 10V^{(4),(1,1,1)} \oplus 5V^{(4),(3,1)} \oplus 5V^{(4),(2,2)} \oplus 5V^{(4),(2,1,1)} \oplus$ $10V^{(5),(2)} \oplus 10V^{(5),(1,1)} \oplus 2V^{(5),(3)} \oplus 4V^{(5),(2,1)} \oplus 2V^{(5),(1,1,1)} \oplus V^{(6),(2)} \oplus V^{(6),(1,1)}$
$k = 3:$ $6V^{(3),(3)} \oplus 6V^{(3),(2,1)} \oplus 6V^{(3),(1,1,1)} \oplus 6V^{(3),(3,1)} \oplus 6V^{(3),(2,2)} \oplus 6V^{(3),(2,1,1)} \oplus 4V^{(3),(3,2)} \oplus$ $4V^{(3),(3,1,1)} \oplus 4V^{(3),(2,2,1)} \oplus V^{(3),(3,2,1)} \oplus 6V^{(4),(3)} \oplus 6V^{(4),(2,1)} \oplus 6V^{(4),(1,1,1)} \oplus 6V^{(4),(3,1)} \oplus$ $6V^{(4),(2,2)} \oplus 6V^{(4),(2,1,1)} \oplus 2V^{(4),(3,2)} \oplus 2V^{(4),(3,1,1)} \oplus 2V^{(4),(2,2,1)} \oplus 4V^{(5),(3)} \oplus 4V^{(5),(2,1)} \oplus$ $4V^{(5),(1,1,1)} \oplus 3V^{(5),(3,1)} \oplus 3V^{(5),(2,2)} \oplus 3V^{(5),(2,1,1)} \oplus V^{(6),(3)} \oplus V^{(6),(2,1)} \oplus V^{(6),(1,1,1)}$
$k = 2: \quad 2V^{(4),(3,1)} \oplus 2V^{(4),(2,2)} \oplus 2V^{(4),(2,1,1)} \oplus 2V^{(4),(3,2)} \oplus 2V^{(4),(3,1,1)} \oplus$ $2V^{(4),(2,2,1)} \oplus V^{(4),(3,2,1)} \oplus 2V^{(5),(3,1)} \oplus 2V^{(5),(2,2)} \oplus 2V^{(5),(2,1,1)} \oplus 2V^{(5),(3,2)} \oplus$ $2V^{(5),(3,1,1)} \oplus 2V^{(5),(2,2,1)} \oplus V^{(6),(3,1)} \oplus V^{(6),(2,2)} \oplus V^{(6),(2,1,1)}$
$k = 1: \quad V^{(5),(3,2)} \oplus V^{(5),(3,1,1)} \oplus V^{(5),(2,2,1)} \oplus V^{(5),(3,2,1)} \oplus V^{(6),(3,2)} \oplus V^{(6),(3,1,1)} \oplus V^{(6),(2,2,1)}$

Table 7: Table for $\lambda = (6,)$, $\mu = (3,1,1,1)$:

$k = 12: \quad 3V^{\varnothing,\varnothing}$
$k = 11: \quad 802V^{\varnothing,\varnothing} \oplus 11V^{\varnothing,(1)} \oplus 80V^{(1),\varnothing}$
$k = 10: \quad 1440V^{\varnothing,\varnothing} \oplus 694V^{\varnothing,(1)} \oplus 7V^{\varnothing,(2)} \oplus 8V^{\varnothing,(1,1)} \oplus 686V^{(1),\varnothing} \oplus 195V^{(1),(1)} \oplus 28V^{(2),\varnothing}$
$k = 9:$ $1200V^{\varnothing,\varnothing} \oplus 1105V^{\varnothing,(1)} \oplus 266V^{\varnothing,(2)} \oplus 286V^{\varnothing,(1,1)} \oplus 3V^{\varnothing,(3)} \oplus 5V^{\varnothing,(2,1)} \oplus 5V^{\varnothing,(1,1,1)} \oplus$ $1094V^{(1),\varnothing} \oplus 1092V^{(1),(1)} \oplus 43V^{(1),(2)} \oplus 45V^{(1),(1,1)} \oplus 268V^{(2),\varnothing} \oplus 75V^{(2),(1)} \oplus 9V^{(3),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 728V^{\varnothing,(1)} \oplus 345V^{\varnothing,(2)} \oplus 363V^{\varnothing,(1,1)} \oplus 66V^{\varnothing,(3)} \oplus 128V^{\varnothing,(2,1)} \oplus$ $128V^{\varnothing,(1,1,1)} \oplus 2V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 2V^{\varnothing,(1,1,1,1)} \oplus 928V^{(1),\varnothing} \oplus 1718V^{(1),(1)} \oplus$ $396V^{(1),(2)} \oplus 412V^{(1),(1,1)} \oplus 10V^{(1),(3)} \oplus 13V^{(1),(2,1)} \oplus 13V^{(1),(1,1,1)} \oplus 366V^{(2),\varnothing} \oplus$ $424V^{(2),(1)} \oplus 43V^{(2),(2)} \oplus 45V^{(2),(1,1)} \oplus 112V^{(3),\varnothing} \oplus 27V^{(3),(1)} \oplus 3V^{(4),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 164V^{\varnothing,(2)} \oplus 164V^{\varnothing,(1,1)} \oplus 53V^{\varnothing,(3)} \oplus 103V^{\varnothing,(2,1)} \oplus$ $103V^{\varnothing,(1,1,1)} \oplus 28V^{\varnothing,(3,1)} \oplus 54V^{\varnothing,(2,1,1)} \oplus 28V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus$ $470V^{(1),\varnothing} \oplus 1316V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 594V^{(1),(1,1)} \oplus 132V^{(1),(3)} \oplus 160V^{(1),(2,1)} \oplus$ $160V^{(1),(1,1,1)} \oplus 4V^{(1),(3,1)} \oplus 5V^{(1),(2,1,1)} \oplus 4V^{(1),(1,1,1,1)} \oplus 240V^{(2),\varnothing} \oplus 594V^{(2),(1)} \oplus$ $160V^{(2),(2)} \oplus 168V^{(2),(1,1)} \oplus 10V^{(2),(3)} \oplus 13V^{(2),(2,1)} \oplus 13V^{(2),(1,1,1)} \oplus 110V^{(3),\varnothing} \oplus$ $168V^{(3),(1)} \oplus 19V^{(3),(2)} \oplus 21V^{(3),(1,1)} \oplus 46V^{(4),\varnothing} \oplus 9V^{(4),(1)} \oplus V^{(5),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(3)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(1,1,1)} \oplus V^{\varnothing,(3,1)} \oplus$ $V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 100V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus$ $368V^{(1),(1,1)} \oplus 168V^{(1),(3)} \oplus 186V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 62V^{(1),(3,1)} \oplus 72V^{(1),(2,1,1)} \oplus$ $62V^{(1),(1,1,1,1)} \oplus 2V^{(1),(3,1,1)} \oplus 2V^{(1),(2,1,1,1)} \oplus 70V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 206V^{(2),(2)} \oplus$ $210V^{(2),(1,1)} \oplus 52V^{(2),(3)} \oplus 64V^{(2),(2,1)} \oplus 64V^{(2),(1,1,1)} \oplus 4V^{(2),(3,1)} \oplus 5V^{(2),(2,1,1)} \oplus$ $4V^{(2),(1,1,1,1)} \oplus 40V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 68V^{(3),(1,1)} \oplus 10V^{(3),(3)} \oplus 13V^{(3),(2,1)} \oplus$ $13V^{(3),(1,1,1)} \oplus 20V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 7V^{(4),(2)} \oplus 9V^{(4),(1,1)} \oplus 10V^{(5),\varnothing} \oplus 3V^{(5),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus$ $80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus$ $V^{(1),(3,1,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 60V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus$ $66V^{(2),(1,1,1)} \oplus 24V^{(2),(3,1)} \oplus 28V^{(2),(2,1,1)} \oplus 24V^{(2),(1,1,1,1)} \oplus 2V^{(2),(3,1,1)} \oplus 2V^{(2),(2,1,1,1)} \oplus$ $80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 22V^{(3),(3)} \oplus 28V^{(3),(2,1)} \oplus 28V^{(3),(1,1,1)} \oplus$ $4V^{(3),(3,1)} \oplus 5V^{(3),(2,1,1)} \oplus 4V^{(3),(1,1,1,1)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus$ $4V^{(4),(3)} \oplus 7V^{(4),(2,1)} \oplus 7V^{(4),(1,1,1)} \oplus 26V^{(5),(1)} \oplus 3V^{(5),(2)} \oplus 3V^{(5),(1,1)} \oplus V^{(6),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus$ $18V^{(2),(3,1)} \oplus 18V^{(2),(2,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(3,1,1)} \oplus 10V^{(2),(2,1,1,1)} \oplus V^{(2),(3,1,1,1)} \oplus$ $24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 20V^{(3),(3)} \oplus 22V^{(3),(2,1)} \oplus 22V^{(3),(1,1,1)} \oplus 10V^{(3),(3,1)} \oplus$ $12V^{(3),(2,1,1)} \oplus 10V^{(3),(1,1,1,1)} \oplus 2V^{(3),(3,1,1)} \oplus 2V^{(3),(2,1,1,1)} \oplus 18V^{(4),(2)} \oplus 18V^{(4),(1,1)} \oplus$ $10V^{(4),(3)} \oplus 12V^{(4),(2,1)} \oplus 12V^{(4),(1,1,1)} \oplus 4V^{(4),(3,1)} \oplus 5V^{(4),(2,1,1)} \oplus 4V^{(4),(1,1,1,1)} \oplus$ $10V^{(5),(2)} \oplus 10V^{(5),(1,1)} \oplus 2V^{(5),(3)} \oplus 3V^{(5),(2,1)} \oplus 3V^{(5),(1,1,1)} \oplus V^{(6),(2)} \oplus V^{(6),(1,1)}$
$k = 3: \quad 6V^{(3),(3)} \oplus 6V^{(3),(2,1)} \oplus 6V^{(3),(1,1,1)} \oplus 6V^{(3),(3,1)} \oplus 6V^{(3),(2,1,1)} \oplus 6V^{(3),(1,1,1,1)} \oplus$ $4V^{(3),(3,1,1)} \oplus 4V^{(3),(2,1,1,1)} \oplus V^{(3),(3,1,1,1)} \oplus 6V^{(4),(3)} \oplus 6V^{(4),(2,1)} \oplus 6V^{(4),(1,1,1)} \oplus 5V^{(4),(3,1)} \oplus$ $6V^{(4),(2,1,1)} \oplus 5V^{(4),(1,1,1,1)} \oplus 2V^{(4),(3,1,1)} \oplus 2V^{(4),(2,1,1,1)} \oplus 4V^{(5),(3)} \oplus 4V^{(5),(2,1)} \oplus$ $4V^{(5),(1,1,1)} \oplus 2V^{(5),(3,1)} \oplus 3V^{(5),(2,1,1)} \oplus 2V^{(5),(1,1,1,1)} \oplus V^{(6),(3)} \oplus V^{(6),(2,1)} \oplus V^{(6),(1,1,1)}$
$k = 2: \quad 2V^{(4),(3,1)} \oplus 2V^{(4),(2,1,1)} \oplus 2V^{(4),(1,1,1,1)} \oplus 2V^{(4),(3,1,1)} \oplus 2V^{(4),(2,1,1,1)} \oplus$ $V^{(4),(3,1,1,1)} \oplus 2V^{(5),(3,1)} \oplus 2V^{(5),(2,1,1)} \oplus 2V^{(5),(1,1,1,1)} \oplus 2V^{(5),(3,1,1)} \oplus 2V^{(5),(2,1,1,1)} \oplus$ $V^{(6),(3,1)} \oplus V^{(6),(2,1,1)} \oplus V^{(6),(1,1,1,1)}$
$k = 1: \quad V^{(5),(3,1,1)} \oplus V^{(5),(2,1,1,1)} \oplus V^{(5),(3,1,1,1)} \oplus V^{(6),(3,1,1)} \oplus V^{(6),(2,1,1,1)}$

Table 8: Table for $\lambda = (6,)$, $\mu = (2,2,2)$:

$k = 12: \quad 2V^{\varnothing,\varnothing}$
$k = 11: \quad 781V^{\varnothing,\varnothing} \oplus 8V^{\varnothing,(1)} \oplus 46V^{(1),\varnothing}$
$k = 10: \quad 1417V^{\varnothing,\varnothing} \oplus 644V^{\varnothing,(1)} \oplus 5V^{\varnothing,(2)} \oplus 6V^{\varnothing,(1,1)} \oplus 536V^{(1),\varnothing} \oplus 163V^{(1),(1)} \oplus 21V^{(2),\varnothing}$
$k = 9: \quad 1184V^{\varnothing,\varnothing} \oplus 1045V^{\varnothing,(1)} \oplus 158V^{\varnothing,(2)} \oplus 262V^{\varnothing,(1,1)} \oplus 4V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(1,1,1)} \oplus 838V^{(1),\varnothing} \oplus 1012V^{(1),(1)} \oplus 36V^{(1),(2)} \oplus 37V^{(1),(1,1)} \oplus 214V^{(2),\varnothing} \oplus 43V^{(2),(1)} \oplus 8V^{(3),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 704V^{\varnothing,(1)} \oplus 195V^{\varnothing,(2)} \oplus 345V^{\varnothing,(1,1)} \oplus 118V^{\varnothing,(2,1)} \oplus 66V^{\varnothing,(1,1,1)} \oplus 2V^{\varnothing,(2,2)} \oplus 2V^{\varnothing,(2,1,1)} \oplus 568V^{(1),\varnothing} \oplus 1670V^{(1),(1)} \oplus 344V^{(1),(2)} \oplus 384V^{(1),(1,1)} \oplus 11V^{(1),(2,1)} \oplus 10V^{(1),(1,1,1)} \oplus 276V^{(2),\varnothing} \oplus 396V^{(2),(1)} \oplus 36V^{(2),(2)} \oplus 37V^{(2),(1,1)} \oplus 92V^{(3),\varnothing} \oplus 19V^{(3),(1)} \oplus 3V^{(4),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 84V^{\varnothing,(2)} \oplus 164V^{\varnothing,(1,1)} \oplus 103V^{\varnothing,(2,1)} \oplus 53V^{\varnothing,(1,1,1)} \oplus 28V^{\varnothing,(2,2)} \oplus 28V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 245V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 528V^{(1),(2)} \oplus 582V^{(1),(1,1)} \oplus 152V^{(1),(2,1)} \oplus 132V^{(1),(1,1,1)} \oplus 4V^{(1),(2,2)} \oplus 4V^{(1),(2,1,1)} \oplus 140V^{(2),\varnothing} \oplus 582V^{(2),(1)} \oplus 138V^{(2),(2)} \oplus 154V^{(2),(1,1)} \oplus 11V^{(2),(2,1)} \oplus 10V^{(2),(1,1,1)} \oplus 80V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 12V^{(3),(2)} \oplus 13V^{(3),(1,1)} \oplus 36V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus V^{(5),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(1,1,1)} \oplus V^{\varnothing,(2,2)} \oplus V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 25V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 344V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 186V^{(1),(2,1)} \oplus 168V^{(1),(1,1,1)} \oplus 62V^{(1),(2,2)} \oplus 62V^{(1),(2,1,1)} \oplus 2V^{(1),(2,2,1)} \oplus 25V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 188V^{(2),(2)} \oplus 206V^{(2),(1,1)} \oplus 60V^{(2),(2,1)} \oplus 52V^{(2),(1,1,1)} \oplus 4V^{(2),(2,2)} \oplus 4V^{(2),(2,1,1)} \oplus 15V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 56V^{(3),(2)} \oplus 64V^{(3),(1,1)} \oplus 11V^{(3),(2,1)} \oplus 10V^{(3),(1,1,1)} \oplus 10V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 6V^{(4),(2)} \oplus 7V^{(4),(1,1)} \oplus 5V^{(5),\varnothing} \oplus 3V^{(5),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(2,2,2)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(2,1)} \oplus 60V^{(2),(1,1,1)} \oplus 24V^{(2),(2,2)} \oplus 24V^{(2),(2,1,1)} \oplus 2V^{(2),(2,2,1)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 26V^{(3),(2,1)} \oplus 22V^{(3),(1,1,1)} \oplus 4V^{(3),(2,2)} \oplus 4V^{(3),(2,1,1)} \oplus 50V^{(4),(1)} \oplus 24V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 5V^{(4),(2,1)} \oplus 4V^{(4),(1,1,1)} \oplus 26V^{(5),(1)} \oplus 2V^{(5),(2)} \oplus 3V^{(5),(1,1)} \oplus V^{(6),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus V^{(2),(2,2,2)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 22V^{(3),(2,1)} \oplus 20V^{(3),(1,1,1)} \oplus 10V^{(3),(2,2)} \oplus 10V^{(3),(2,1,1)} \oplus 2V^{(3),(2,2,1)} \oplus 18V^{(4),(2)} \oplus 18V^{(4),(1,1)} \oplus 12V^{(4),(2,1)} \oplus 10V^{(4),(1,1,1)} \oplus 4V^{(4),(2,2)} \oplus 4V^{(4),(2,1,1)} \oplus 10V^{(5),(2)} \oplus 10V^{(5),(1,1)} \oplus 3V^{(5),(2,1)} \oplus 2V^{(5),(1,1,1)} \oplus V^{(6),(2)} \oplus V^{(6),(1,1)}$
$k = 3: \quad 6V^{(3),(2,1)} \oplus 6V^{(3),(1,1,1)} \oplus 6V^{(3),(2,2)} \oplus 6V^{(3),(2,1,1)} \oplus 4V^{(3),(2,2,1)} \oplus V^{(3),(2,2,2)} \oplus 6V^{(4),(2,1)} \oplus 6V^{(4),(1,1,1)} \oplus 5V^{(4),(2,2)} \oplus 5V^{(4),(2,1,1)} \oplus 2V^{(4),(2,2,1)} \oplus 4V^{(5),(2,1)} \oplus 4V^{(5),(1,1,1)} \oplus 2V^{(5),(2,2)} \oplus 2V^{(5),(2,1,1)} \oplus V^{(6),(2,1)} \oplus V^{(6),(1,1,1)}$
$k = 2: \quad 2V^{(4),(2,2)} \oplus 2V^{(4),(2,1,1)} \oplus 2V^{(4),(2,2,1)} \oplus V^{(4),(2,2,2)} \oplus 2V^{(5),(2,2)} \oplus 2V^{(5),(2,1,1)} \oplus 2V^{(5),(2,2,1)} \oplus V^{(6),(2,2)} \oplus V^{(6),(2,1,1)}$
$k = 1: \quad V^{(5),(2,2,1)} \oplus V^{(5),(2,2,2)} \oplus V^{(6),(2,2,1)}$
$k = 0: \quad V^{(6),(2,2,2)}$

Table 9: Table for $\lambda = (6,)$, $\mu = (2,2,1,1)$:

$k = 12: \quad 2V^{\varnothing,\varnothing}$
$k = 11: \quad 785V^{\varnothing,\varnothing} \oplus 10V^{\varnothing,(1)} \oplus 63V^{(1),\varnothing}$
$k = 10: \quad 1421V^{\varnothing,\varnothing} \oplus 654V^{\varnothing,(1)} \oplus 6V^{\varnothing,(2)} \oplus 8V^{\varnothing,(1,1)} \oplus 642V^{(1),\varnothing} \oplus 193V^{(1),(1)} \oplus 22V^{(2),\varnothing}$
$k = 9: \quad 1184V^{\varnothing,\varnothing} \oplus 1051V^{\varnothing,(1)} \oplus 162V^{\varnothing,(2)} \oplus 286V^{\varnothing,(1,1)} \oplus 5V^{\varnothing,(2,1)} \oplus 5V^{\varnothing,(1,1,1)} \oplus 1038V^{(1),\varnothing} \oplus 1060V^{(1),(1)} \oplus 42V^{(1),(2)} \oplus 45V^{(1),(1,1)} \oplus 254V^{(2),\varnothing} \oplus 73V^{(2),(1)} \oplus 8V^{(3),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 704V^{\varnothing,(1)} \oplus 195V^{\varnothing,(2)} \oplus 363V^{\varnothing,(1,1)} \oplus 128V^{\varnothing,(2,1)} \oplus 128V^{\varnothing,(1,1,1)} \oplus 2V^{\varnothing,(2,2)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 2V^{\varnothing,(1,1,1,1)} \oplus 728V^{(1),\varnothing} \oplus 1682V^{(1),(1)} \oplus 356V^{(1),(2)} \oplus 412V^{(1),(1,1)} \oplus 13V^{(1),(2,1)} \oplus 13V^{(1),(1,1,1)} \oplus 348V^{(2),\varnothing} \oplus 408V^{(2),(1)} \oplus 42V^{(2),(2)} \oplus 45V^{(2),(1,1)} \oplus 108V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 3V^{(4),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 84V^{\varnothing,(2)} \oplus 164V^{\varnothing,(1,1)} \oplus 103V^{\varnothing,(2,1)} \oplus 103V^{\varnothing,(1,1,1)} \oplus 28V^{\varnothing,(2,2)} \oplus 54V^{\varnothing,(2,1,1)} \oplus 28V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 390V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 528V^{(1),(2)} \oplus 594V^{(1),(1,1)} \oplus 160V^{(1),(2,1)} \oplus 160V^{(1),(1,1,1)} \oplus 4V^{(1),(2,2)} \oplus 5V^{(1),(2,1,1)} \oplus 4V^{(1),(1,1,1,1)} \oplus 188V^{(2),\varnothing} \oplus 582V^{(2),(1)} \oplus 144V^{(2),(2)} \oplus 168V^{(2),(1,1)} \oplus 13V^{(2),(2,1)} \oplus 13V^{(2),(1,1,1)} \oplus 104V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 18V^{(3),(2)} \oplus 21V^{(3),(1,1)} \oplus 44V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus V^{(5),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(1,1,1)} \oplus V^{\varnothing,(2,2)} \oplus V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 81V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 344V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 186V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 62V^{(1),(2,2)} \oplus 72V^{(1),(2,1,1)} \oplus 62V^{(1),(1,1,1,1)} \oplus 2V^{(1),(2,2,1)} \oplus 2V^{(1),(2,1,1,1)} \oplus 54V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 188V^{(2),(2)} \oplus 210V^{(2),(1,1)} \oplus 64V^{(2),(2,1)} \oplus 64V^{(2),(1,1,1)} \oplus 4V^{(2),(2,2)} \oplus 5V^{(2),(2,1,1)} \oplus 4V^{(2),(1,1,1,1)} \oplus 27V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 56V^{(3),(2)} \oplus 68V^{(3),(1,1)} \oplus 13V^{(3),(2,1)} \oplus 13V^{(3),(1,1,1)} \oplus 18V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 6V^{(4),(2)} \oplus 9V^{(4),(1,1)} \oplus 9V^{(5),\varnothing} \oplus 3V^{(5),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(2,2,1,1)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 24V^{(2),(2,2)} \oplus 28V^{(2),(2,1,1)} \oplus 24V^{(2),(1,1,1,1)} \oplus 2V^{(2),(2,2,1)} \oplus 2V^{(2),(2,1,1,1)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 28V^{(3),(2,1)} \oplus 28V^{(3),(1,1,1)} \oplus 4V^{(3),(2,2)} \oplus 5V^{(3),(2,1,1)} \oplus 4V^{(3),(1,1,1,1)} \oplus 50V^{(4),(1)} \oplus 24V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 7V^{(4),(2,1)} \oplus 7V^{(4),(1,1,1)} \oplus 26V^{(5),(1)} \oplus 2V^{(5),(2)} \oplus 3V^{(5),(1,1)} \oplus V^{(6),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus 10V^{(2),(2,1,1,1)} \oplus V^{(2),(2,2,1,1)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 22V^{(3),(2,1)} \oplus 22V^{(3),(1,1,1)} \oplus 10V^{(3),(2,2)} \oplus 12V^{(3),(2,1,1)} \oplus 10V^{(3),(1,1,1,1)} \oplus 2V^{(3),(2,2,1)} \oplus 2V^{(3),(2,1,1,1)} \oplus 18V^{(4),(2)} \oplus 18V^{(4),(1,1)} \oplus 12V^{(4),(2,1)} \oplus 12V^{(4),(1,1,1)} \oplus 4V^{(4),(2,2)} \oplus 5V^{(4),(2,1,1)} \oplus 4V^{(4),(1,1,1,1)} \oplus 10V^{(5),(2)} \oplus 10V^{(5),(1,1)} \oplus 3V^{(5),(2,1)} \oplus 3V^{(5),(1,1,1)} \oplus V^{(6),(2)} \oplus V^{(6),(1,1)}$
$k = 3: \quad 6V^{(3),(2,1)} \oplus 6V^{(3),(1,1,1)} \oplus 6V^{(3),(2,2)} \oplus 6V^{(3),(2,1,1)} \oplus 6V^{(3),(1,1,1,1)} \oplus 4V^{(3),(2,2,1)} \oplus 4V^{(3),(2,1,1,1)} \oplus V^{(3),(2,2,1,1)} \oplus 6V^{(4),(2,1)} \oplus 6V^{(4),(1,1,1)} \oplus 5V^{(4),(2,2)} \oplus 6V^{(4),(2,1,1)} \oplus 5V^{(4),(1,1,1,1)} \oplus 2V^{(4),(2,2,1)} \oplus 2V^{(4),(2,1,1,1)} \oplus 4V^{(5),(2,1)} \oplus 4V^{(5),(1,1,1)} \oplus 2V^{(5),(2,2)} \oplus 3V^{(5),(2,1,1)} \oplus 2V^{(5),(1,1,1,1)} \oplus V^{(6),(2,1)} \oplus V^{(6),(1,1,1)}$
$k = 2: \quad 2V^{(4),(2,2)} \oplus 2V^{(4),(2,1,1)} \oplus 2V^{(4),(1,1,1,1)} \oplus 2V^{(4),(2,2,1)} \oplus 2V^{(4),(2,1,1,1)} \oplus V^{(4),(2,2,1,1)} \oplus 2V^{(5),(2,2)} \oplus 2V^{(5),(2,1,1)} \oplus 2V^{(5),(1,1,1,1)} \oplus 2V^{(5),(2,2,1)} \oplus 2V^{(5),(2,1,1,1)} \oplus V^{(6),(2,2)} \oplus V^{(6),(2,1,1)} \oplus V^{(6),(1,1,1,1)}$
$k = 1: \quad V^{(5),(2,2,1)} \oplus V^{(5),(2,1,1,1)} \oplus V^{(5),(2,2,1,1)} \oplus V^{(6),(2,2,1)} \oplus V^{(6),(2,1,1,1)}$
$k = 0: \quad V^{(6),(2,2,1,1)}$

Table 10: Table for $\lambda = (6,)$, $\mu = (2,1,1,1,1)$:

$k = 12: \quad 2V^{\varnothing,\varnothing}$
$k = 11: \quad 781V^{\varnothing,\varnothing} \oplus 9V^{\varnothing,(1)} \oplus 35V^{(1),\varnothing}$
$k = 10: \quad 1417V^{\varnothing,\varnothing} \oplus 646V^{\varnothing,(1)} \oplus 4V^{\varnothing,(2)} \oplus 7V^{\varnothing,(1,1)} \oplus 530V^{(1),\varnothing} \oplus 187V^{(1),(1)} \oplus 18V^{(2),\varnothing}$
$k = 9: \quad 1184V^{\varnothing,\varnothing} \oplus 1045V^{\varnothing,(1)} \oplus 138V^{\varnothing,(2)} \oplus 266V^{\varnothing,(1,1)} \oplus 3V^{\varnothing,(2,1)} \oplus 5V^{\varnothing,(1,1,1)} \oplus 838V^{(1),\varnothing} \oplus 1036V^{(1),(1)} \oplus 34V^{(1),(2)} \oplus 43V^{(1),(1,1)} \oplus 214V^{(2),\varnothing} \oplus 67V^{(2),(1)} \oplus 8V^{(3),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 704V^{\varnothing,(1)} \oplus 177V^{\varnothing,(2)} \oplus 345V^{\varnothing,(1,1)} \oplus 66V^{\varnothing,(2,1)} \oplus 128V^{\varnothing,(1,1,1)} \oplus 2V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 568V^{(1),\varnothing} \oplus 1670V^{(1),(1)} \oplus 328V^{(1),(2)} \oplus 396V^{(1),(1,1)} \oplus 10V^{(1),(2,1)} \oplus 13V^{(1),(1,1,1)} \oplus 276V^{(2),\varnothing} \oplus 396V^{(2),(1)} \oplus 34V^{(2),(2)} \oplus 43V^{(2),(1,1)} \oplus 92V^{(3),\varnothing} \oplus 19V^{(3),(1)} \oplus 3V^{(4),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 84V^{\varnothing,(2)} \oplus 164V^{\varnothing,(1,1)} \oplus 53V^{\varnothing,(2,1)} \oplus 103V^{\varnothing,(1,1,1)} \oplus 28V^{\varnothing,(2,1,1)} \oplus 54V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus 220V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 516V^{(1),(2)} \oplus 582V^{(1),(1,1)} \oplus 132V^{(1),(2,1)} \oplus 160V^{(1),(1,1,1)} \oplus 4V^{(1),(2,1,1)} \oplus 5V^{(1),(1,1,1,1)} \oplus 140V^{(2),\varnothing} \oplus 582V^{(2),(1)} \oplus 130V^{(2),(2)} \oplus 160V^{(2),(1,1)} \oplus 10V^{(2),(2,1)} \oplus 13V^{(2),(1,1,1)} \oplus 80V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 10V^{(3),(2)} \oplus 19V^{(3),(1,1)} \oplus 36V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus V^{(5),\varnothing}$
$k = 6:$ $V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(1,1,1)} \oplus V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus 25V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 344V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 168V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 62V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 2V^{(1),(2,1,1,1)} \oplus 2V^{(1),(1,1,1,1,1)} \oplus 20V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 184V^{(2),(2)} \oplus 206V^{(2),(1,1)} \oplus 52V^{(2),(2,1)} \oplus 64V^{(2),(1,1,1)} \oplus 4V^{(2),(2,1,1)} \oplus 5V^{(2),(1,1,1,1)} \oplus 15V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 52V^{(3),(2)} \oplus 64V^{(3),(1,1)} \oplus 10V^{(3),(2,1)} \oplus 13V^{(3),(1,1,1)} \oplus 10V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 4V^{(4),(2)} \oplus 7V^{(4),(1,1)} \oplus 5V^{(5),\varnothing} \oplus 3V^{(5),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus V^{(1),(2,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 60V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 24V^{(2),(2,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 2V^{(2),(2,1,1,1)} \oplus 2V^{(2),(1,1,1,1,1)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 22V^{(3),(2,1)} \oplus 28V^{(3),(1,1,1)} \oplus 4V^{(3),(2,1,1)} \oplus 5V^{(3),(1,1,1,1)} \oplus 50V^{(4),(1)} \oplus 24V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 4V^{(4),(2,1)} \oplus 7V^{(4),(1,1,1)} \oplus 26V^{(5),(1)} \oplus 2V^{(5),(2)} \oplus 3V^{(5),(1,1)} \oplus V^{(6),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(2,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus V^{(2),(2,1,1,1,1)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 20V^{(3),(2,1)} \oplus 22V^{(3),(1,1,1)} \oplus 10V^{(3),(2,1,1)} \oplus 12V^{(3),(1,1,1,1)} \oplus 2V^{(3),(2,1,1,1)} \oplus 2V^{(3),(1,1,1,1,1)} \oplus 18V^{(4),(2)} \oplus 18V^{(4),(1,1)} \oplus 10V^{(4),(2,1)} \oplus 12V^{(4),(1,1,1)} \oplus 4V^{(4),(2,1,1)} \oplus 5V^{(4),(1,1,1,1)} \oplus 10V^{(5),(2)} \oplus 10V^{(5),(1,1)} \oplus 2V^{(5),(2,1)} \oplus 3V^{(5),(1,1,1)} \oplus V^{(6),(2)} \oplus V^{(6),(1,1)}$
$k = 3:$ $6V^{(3),(2,1)} \oplus 6V^{(3),(1,1,1)} \oplus 6V^{(3),(2,1,1)} \oplus 6V^{(3),(1,1,1,1)} \oplus 4V^{(3),(2,1,1,1)} \oplus 4V^{(3),(1,1,1,1,1)} \oplus V^{(3),(2,1,1,1,1)} \oplus 6V^{(4),(2,1)} \oplus 6V^{(4),(1,1,1)} \oplus 5V^{(4),(2,1,1)} \oplus 6V^{(4),(1,1,1,1)} \oplus 2V^{(4),(2,1,1,1)} \oplus 2V^{(4),(1,1,1,1,1)} \oplus 4V^{(5),(2,1)} \oplus 4V^{(5),(1,1,1)} \oplus 2V^{(5),(2,1,1)} \oplus 3V^{(5),(1,1,1,1)} \oplus V^{(6),(2,1)} \oplus V^{(6),(1,1,1)}$
$k = 2: \quad 2V^{(4),(2,1,1)} \oplus 2V^{(4),(1,1,1,1)} \oplus 2V^{(4),(2,1,1,1)} \oplus 2V^{(4),(1,1,1,1,1)} \oplus V^{(4),(2,1,1,1,1)} \oplus 2V^{(5),(2,1,1)} \oplus 2V^{(5),(1,1,1,1)} \oplus 2V^{(5),(2,1,1,1)} \oplus 2V^{(5),(1,1,1,1,1)} \oplus V^{(6),(2,1,1)} \oplus V^{(6),(1,1,1,1)}$
$k = 1: \quad V^{(5),(2,1,1,1)} \oplus V^{(5),(1,1,1,1,1)} \oplus V^{(5),(2,1,1,1,1)} \oplus V^{(6),(2,1,1,1)} \oplus V^{(6),(1,1,1,1,1)}$
$k = 0: \quad V^{(6),(2,1,1,1,1)}$

Table 11: Table for $\lambda = (6,)$, $\mu = (1,1,1,1,1,1)$:

$k = 12: \quad V^{\varnothing,\varnothing}$
$k = 11: \quad 677V^{\varnothing,\varnothing} \oplus 5V^{\varnothing,(1)} \oplus 6V^{(1),\varnothing}$
$k = 10: \quad 1250V^{\varnothing,\varnothing} \oplus 336V^{\varnothing,(1)} \oplus 4V^{\varnothing,(1,1)} \oplus 336V^{(1),\varnothing} \oplus 154V^{(1),(1)} \oplus 5V^{(2),\varnothing}$
$k = 9: \quad 1088V^{\varnothing,\varnothing} \oplus 535V^{\varnothing,(1)} \oplus 138V^{\varnothing,(1,1)} \oplus 3V^{\varnothing,(1,1,1)} \oplus 535V^{(1),\varnothing} \oplus 856V^{(1),(1)} \oplus 34V^{(1),(1,1)} \oplus 138V^{(2),\varnothing} \oplus 34V^{(2),(1)} \oplus 4V^{(3),\varnothing}$
$k = 8: \quad 600V^{\varnothing,\varnothing} \oplus 360V^{\varnothing,(1)} \oplus 177V^{\varnothing,(1,1)} \oplus 66V^{\varnothing,(1,1,1)} \oplus 2V^{\varnothing,(1,1,1,1)} \oplus 360V^{(1),\varnothing} \oplus 1460V^{(1),(1)} \oplus 328V^{(1),(1,1)} \oplus 10V^{(1),(1,1,1)} \oplus 177V^{(2),\varnothing} \oplus 328V^{(2),(1)} \oplus 34V^{(2),(1,1)} \oplus 66V^{(3),\varnothing} \oplus 10V^{(3),(1)} \oplus 3V^{(4),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 125V^{\varnothing,(1)} \oplus 84V^{\varnothing,(1,1)} \oplus 53V^{\varnothing,(1,1,1)} \oplus 28V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus 125V^{(1),\varnothing} \oplus 1196V^{(1),(1)} \oplus 516V^{(1),(1,1)} \oplus 132V^{(1),(1,1,1)} \oplus 4V^{(1),(1,1,1,1)} \oplus 84V^{(2),\varnothing} \oplus 516V^{(2),(1)} \oplus 130V^{(2),(1,1)} \oplus 10V^{(2),(1,1,1)} \oplus 53V^{(3),\varnothing} \oplus 132V^{(3),(1)} \oplus 10V^{(3),(1,1)} \oplus 28V^{(4),\varnothing} \oplus 4V^{(4),(1)} \oplus 2V^{(5),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(1,1,1)} \oplus V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus V^{(1),\varnothing} \oplus 624V^{(1),(1)} \oplus 344V^{(1),(1,1)} \oplus 168V^{(1),(1,1,1)} \oplus 62V^{(1),(1,1,1,1)} \oplus 2V^{(1),(1,1,1,1,1)} \oplus V^{(2),\varnothing} \oplus 344V^{(2),(1)} \oplus 184V^{(2),(1,1)} \oplus 52V^{(2),(1,1,1)} \oplus 4V^{(2),(1,1,1,1)} \oplus V^{(3),\varnothing} \oplus 168V^{(3),(1)} \oplus 52V^{(3),(1,1)} \oplus 10V^{(3),(1,1,1)} \oplus V^{(4),\varnothing} \oplus 62V^{(4),(1)} \oplus 4V^{(4),(1,1)} \oplus V^{(5),\varnothing} \oplus 2V^{(5),(1)} \oplus V^{(6),\varnothing}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus V^{(1),(1,1,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(1,1)} \oplus 60V^{(2),(1,1,1)} \oplus 24V^{(2),(1,1,1,1)} \oplus 2V^{(2),(1,1,1,1,1)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(1,1)} \oplus 22V^{(3),(1,1,1)} \oplus 4V^{(3),(1,1,1,1)} \oplus 50V^{(4),(1)} \oplus 24V^{(4),(1,1)} \oplus 4V^{(4),(1,1,1)} \oplus 26V^{(5),(1)} \oplus 2V^{(5),(1,1)} \oplus V^{(6),(1)}$
$k = 4: \quad 24V^{(2),(1,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus V^{(2),(1,1,1,1,1,1)} \oplus 24V^{(3),(1,1)} \oplus 20V^{(3),(1,1,1)} \oplus 10V^{(3),(1,1,1,1)} \oplus 2V^{(3),(1,1,1,1,1)} \oplus 18V^{(4),(1,1)} \oplus 10V^{(4),(1,1,1)} \oplus 4V^{(4),(1,1,1,1)} \oplus 10V^{(5),(1,1)} \oplus 2V^{(5),(1,1,1)} \oplus V^{(6),(1,1)}$
$k = 3: \quad 6V^{(3),(1,1,1)} \oplus 6V^{(3),(1,1,1,1)} \oplus 4V^{(3),(1,1,1,1,1)} \oplus V^{(3),(1,1,1,1,1,1)} \oplus 6V^{(4),(1,1,1)} \oplus 5V^{(4),(1,1,1,1)} \oplus 2V^{(4),(1,1,1,1,1)} \oplus 4V^{(5),(1,1,1)} \oplus 2V^{(5),(1,1,1,1)} \oplus V^{(6),(1,1,1)}$
$k = 2:$ $2V^{(4),(1,1,1,1)} \oplus 2V^{(4),(1,1,1,1,1)} \oplus V^{(4),(1,1,1,1,1,1)} \oplus 2V^{(5),(1,1,1,1)} \oplus 2V^{(5),(1,1,1,1,1)} \oplus V^{(6),(1,1,1,1)}$
$k = 1: \quad V^{(5),(1,1,1,1,1)} \oplus V^{(5),(1,1,1,1,1,1)} \oplus V^{(6),(1,1,1,1,1)}$
$k = 0: \quad V^{(6),(1,1,1,1,1,1)}$

Table 12: Table for $\lambda = (5,1)$, $\mu = (6,)$:

$k = 12: \quad 5V^{\varnothing,\varnothing}$
$k = 11: \quad 802V^{\varnothing,\varnothing} \oplus 35V^{\varnothing,(1)} \oplus 9V^{(1),\varnothing}$
$k = 10: \quad 1437V^{\varnothing,\varnothing} \oplus 530V^{\varnothing,(1)} \oplus 18V^{\varnothing,(2)} \oplus 646V^{(1),\varnothing} \oplus 187V^{(1),(1)} \oplus 7V^{(2),\varnothing} \oplus 4V^{(1,1),\varnothing}$
$k = 9: \quad 1195V^{\varnothing,\varnothing} \oplus 838V^{\varnothing,(1)} \oplus 214V^{\varnothing,(2)} \oplus 8V^{\varnothing,(3)} \oplus 1045V^{(1),\varnothing} \oplus 1036V^{(1),(1)} \oplus 67V^{(1),(2)} \oplus 266V^{(2),\varnothing} \oplus 43V^{(2),(1)} \oplus 138V^{(1,1),\varnothing} \oplus 34V^{(1,1),(1)} \oplus 5V^{(3),\varnothing} \oplus 3V^{(2,1),\varnothing}$
$k = 8:$ $629V^{\varnothing,\varnothing} \oplus 568V^{\varnothing,(1)} \oplus 276V^{\varnothing,(2)} \oplus 92V^{\varnothing,(3)} \oplus 3V^{\varnothing,(4)} \oplus 704V^{(1),\varnothing} \oplus 1670V^{(1),(1)} \oplus 396V^{(1),(2)} \oplus 19V^{(1),(3)} \oplus 345V^{(2),\varnothing} \oplus 396V^{(2),(1)} \oplus 43V^{(2),(2)} \oplus 177V^{(1,1),\varnothing} \oplus 328V^{(1,1),(1)} \oplus 34V^{(1,1),(2)} \oplus 128V^{(3),\varnothing} \oplus 13V^{(3),(1)} \oplus 66V^{(2,1),\varnothing} \oplus 10V^{(2,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 2V^{(3,1),\varnothing}$
$k = 7: \quad 125V^{\varnothing,\varnothing} \oplus 220V^{\varnothing,(1)} \oplus 140V^{\varnothing,(2)} \oplus 80V^{\varnothing,(3)} \oplus 36V^{\varnothing,(4)} \oplus V^{\varnothing,(5)} \oplus 245V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 160V^{(1),(3)} \oplus 7V^{(1),(4)} \oplus 164V^{(2),\varnothing} \oplus 582V^{(2),(1)} \oplus 160V^{(2),(2)} \oplus 19V^{(2),(3)} \oplus 84V^{(1,1),\varnothing} \oplus 516V^{(1,1),(1)} \oplus 130V^{(1,1),(2)} \oplus 10V^{(1,1),(3)} \oplus 103V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 13V^{(3),(2)} \oplus 53V^{(2,1),\varnothing} \oplus 132V^{(2,1),(1)} \oplus 10V^{(2,1),(2)} \oplus 54V^{(4),\varnothing} \oplus 5V^{(4),(1)} \oplus 28V^{(3,1),\varnothing} \oplus 4V^{(3,1),(1)} \oplus V^{(5),\varnothing} \oplus V^{(4,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 15V^{\varnothing,(3)} \oplus 10V^{\varnothing,(4)} \oplus 5V^{\varnothing,(5)} \oplus V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 186V^{(1),(3)} \oplus 72V^{(1),(4)} \oplus 3V^{(1),(5)} \oplus V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 206V^{(2),(2)} \oplus 64V^{(2),(3)} \oplus 7V^{(2),(4)} \oplus V^{(1,1),\varnothing} \oplus 344V^{(1,1),(1)} \oplus 184V^{(1,1),(2)} \oplus 52V^{(1,1),(3)} \oplus 4V^{(1,1),(4)} \oplus V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 13V^{(3),(3)} \oplus V^{(2,1),\varnothing} \oplus 168V^{(2,1),(1)} \oplus 52V^{(2,1),(2)} \oplus 10V^{(2,1),(3)} \oplus V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 5V^{(4),(2)} \oplus V^{(3,1),\varnothing} \oplus 62V^{(3,1),(1)} \oplus 4V^{(3,1),(2)} \oplus V^{(5),\varnothing} \oplus 2V^{(5),(1)} \oplus V^{(4,1),\varnothing} \oplus 2V^{(4,1),(1)}$
$k = 5:$ $120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 80V^{(1),(3)} \oplus 50V^{(1),(4)} \oplus 26V^{(1),(5)} \oplus V^{(1),(6)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 66V^{(2),(3)} \oplus 28V^{(2),(4)} \oplus 3V^{(2),(5)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(2)} \oplus 60V^{(1,1),(3)} \oplus 24V^{(1,1),(4)} \oplus 2V^{(1,1),(5)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 28V^{(3),(3)} \oplus 7V^{(3),(4)} \oplus 80V^{(2,1),(1)} \oplus 60V^{(2,1),(2)} \oplus 22V^{(2,1),(3)} \oplus 4V^{(2,1),(4)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 5V^{(4),(3)} \oplus 50V^{(3,1),(1)} \oplus 24V^{(3,1),(2)} \oplus 4V^{(3,1),(3)} \oplus 26V^{(5),(1)} \oplus 2V^{(5),(2)} \oplus 26V^{(4,1),(1)} \oplus 2V^{(4,1),(2)} \oplus V^{(5,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(3)} \oplus 18V^{(2),(4)} \oplus 10V^{(2),(5)} \oplus V^{(2),(6)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(3)} \oplus 18V^{(1,1),(4)} \oplus 10V^{(1,1),(5)} \oplus V^{(1,1),(6)} \oplus 24V^{(3),(2)} \oplus 22V^{(3),(3)} \oplus 12V^{(3),(4)} \oplus 3V^{(3),(5)} \oplus 24V^{(2,1),(2)} \oplus 20V^{(2,1),(3)} \oplus 10V^{(2,1),(4)} \oplus 2V^{(2,1),(5)} \oplus 18V^{(4),(2)} \oplus 12V^{(4),(3)} \oplus 5V^{(4),(4)} \oplus 18V^{(3,1),(2)} \oplus 10V^{(3,1),(3)} \oplus 4V^{(3,1),(4)} \oplus 10V^{(5),(2)} \oplus 2V^{(5),(3)} \oplus 10V^{(4,1),(2)} \oplus 2V^{(4,1),(3)} \oplus V^{(5,1),(2)}$
$k = 3: \quad 6V^{(3),(3)} \oplus 6V^{(3),(4)} \oplus 4V^{(3),(5)} \oplus V^{(3),(6)} \oplus 6V^{(2,1),(3)} \oplus 6V^{(2,1),(4)} \oplus 4V^{(2,1),(5)} \oplus V^{(2,1),(6)} \oplus 6V^{(4),(3)} \oplus 6V^{(4),(4)} \oplus 3V^{(4),(5)} \oplus 6V^{(3,1),(3)} \oplus 5V^{(3,1),(4)} \oplus 2V^{(3,1),(5)} \oplus 4V^{(5),(3)} \oplus 2V^{(5),(4)} \oplus 4V^{(4,1),(3)} \oplus 2V^{(4,1),(4)} \oplus V^{(5,1),(3)}$
$k = 2: \quad 2V^{(4),(4)} \oplus 2V^{(4),(5)} \oplus V^{(4),(6)} \oplus 2V^{(3,1),(4)} \oplus 2V^{(3,1),(5)} \oplus V^{(3,1),(6)} \oplus 2V^{(5),(4)} \oplus 2V^{(5),(5)} \oplus 2V^{(4,1),(4)} \oplus 2V^{(4,1),(5)} \oplus V^{(5,1),(4)}$
$k = 1: \quad V^{(5),(5)} \oplus V^{(5),(6)} \oplus V^{(4,1),(5)} \oplus V^{(4,1),(6)} \oplus V^{(5,1),(5)}$
$k = 0: \quad V^{(5,1),(6)}$

Table 13: Table for $\lambda = (5,1)$, $\mu = (5,1)$:

$k = 12: \quad 60V^{\varnothing,\varnothing}$
$k = 11: \quad 1038V^{\varnothing,\varnothing} \oplus 53V^{\varnothing,(1)} \oplus 53V^{(1),\varnothing}$
$k = 10: \quad 1734V^{\varnothing,\varnothing} \oplus 930V^{\varnothing,(1)} \oplus 26V^{\varnothing,(2)} \oplus 18V^{\varnothing,(1,1)} \oplus 930V^{(1),\varnothing} \oplus 253V^{(1),(1)} \oplus 26V^{(2),\varnothing} \oplus 18V^{(1,1),\varnothing}$
$k = 9: \quad 1360V^{\varnothing,\varnothing} \oplus 1426V^{\varnothing,(1)} \oplus 378V^{\varnothing,(2)} \oplus 214V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 8V^{\varnothing,(2,1)} \oplus 1426V^{(1),\varnothing} \oplus 1396V^{(1),(1)} \oplus 85V^{(1),(2)} \oplus 67V^{(1),(1,1)} \oplus 378V^{(2),\varnothing} \oplus 85V^{(2),(1)} \oplus 214V^{(1,1),\varnothing} \oplus 67V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 8V^{(2,1),\varnothing}$
$k = 8:$ $698V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 462V^{\varnothing,(2)} \oplus 276V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(3)} \oplus 92V^{\varnothing,(2,1)} \oplus 4V^{\varnothing,(4)} \oplus 3V^{\varnothing,(3,1)} \oplus 936V^{(1),\varnothing} \oplus 2090V^{(1),(1)} \oplus 532V^{(1),(2)} \oplus 396V^{(1),(1,1)} \oplus 25V^{(1),(3)} \oplus 19V^{(1),(2,1)} \oplus 462V^{(2),\varnothing} \oplus 532V^{(2),(1)} \oplus 61V^{(2),(2)} \oplus 43V^{(2),(1,1)} \oplus 276V^{(1,1),\varnothing} \oplus 396V^{(1,1),(1)} \oplus 43V^{(1,1),(2)} \oplus 34V^{(1,1),(1,1)} \oplus 164V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 92V^{(2,1),\varnothing} \oplus 19V^{(2,1),(1)} \oplus 4V^{(4),\varnothing} \oplus 3V^{(3,1),\varnothing}$
$k = 7: \quad 170V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 140V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(3)} \oplus 80V^{\varnothing,(2,1)} \oplus 62V^{\varnothing,(4)} \oplus 36V^{\varnothing,(3,1)} \oplus V^{\varnothing,(5)} \oplus V^{\varnothing,(4,1)} \oplus 340V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 582V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 160V^{(1),(2,1)} \oplus 9V^{(1),(4)} \oplus 7V^{(1),(3,1)} \oplus 220V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 220V^{(2),(2)} \oplus 160V^{(2),(1,1)} \oplus 25V^{(2),(3)} \oplus 19V^{(2),(2,1)} \oplus 140V^{(1,1),\varnothing} \oplus 582V^{(1,1),(1)} \oplus 160V^{(1,1),(2)} \oplus 130V^{(1,1),(1,1)} \oplus 13V^{(1,1),(3)} \oplus 10V^{(1,1),(2,1)} \oplus 130V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 25V^{(3),(2)} \oplus 13V^{(3),(1,1)} \oplus 80V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus 19V^{(2,1),(2)} \oplus 10V^{(2,1),(1,1)} \oplus 62V^{(4),\varnothing} \oplus 9V^{(4),(1)} \oplus 36V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus V^{(5),\varnothing} \oplus V^{(4,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,\varnothing} \oplus 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(4)} \oplus 10V^{\varnothing,(3,1)} \oplus 5V^{\varnothing,(5)} \oplus 5V^{\varnothing,(4,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 186V^{(1),(2,1)} \oplus 92V^{(1),(4)} \oplus 72V^{(1),(3,1)} \oplus 3V^{(1),(5)} \oplus 3V^{(1),(4,1)} \oplus 20V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 250V^{(2),(2)} \oplus 206V^{(2),(1,1)} \oplus 88V^{(2),(3)} \oplus 64V^{(2),(2,1)} \oplus 9V^{(2),(4)} \oplus 7V^{(2),(3,1)} \oplus 20V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 206V^{(1,1),(2)} \oplus 184V^{(1,1),(1,1)} \oplus 64V^{(1,1),(3)} \oplus 52V^{(1,1),(2,1)} \oplus 5V^{(1,1),(4)} \oplus 4V^{(1,1),(3,1)} \oplus 15V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 88V^{(3),(2)} \oplus 64V^{(3),(1,1)} \oplus 19V^{(3),(3)} \oplus 13V^{(3),(2,1)} \oplus 15V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 52V^{(2,1),(1,1)} \oplus 13V^{(2,1),(3)} \oplus 10V^{(2,1),(2,1)} \oplus 10V^{(4),\varnothing} \oplus 92V^{(4),(1)} \oplus 9V^{(4),(2)} \oplus 5V^{(4),(1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 7V^{(3,1),(2)} \oplus 4V^{(3,1),(1,1)} \oplus 5V^{(5),\varnothing} \oplus 3V^{(5),(1)} \oplus 5V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 26V^{(1),(5)} \oplus 26V^{(1),(4,1)} \oplus V^{(1),(5,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 36V^{(2),(4)} \oplus 28V^{(2),(3,1)} \oplus 3V^{(2),(5)} \oplus 3V^{(2),(4,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 102V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 60V^{(1,1),(2,1)} \oplus 28V^{(1,1),(4)} \oplus 24V^{(1,1),(3,1)} \oplus 2V^{(1,1),(5)} \oplus 2V^{(1,1),(4,1)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 40V^{(3),(3)} \oplus 28V^{(3),(2,1)} \oplus 9V^{(3),(4)} \oplus 7V^{(3),(3,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 60V^{(2,1),(1,1)} \oplus 28V^{(2,1),(3)} \oplus 22V^{(2,1),(2,1)} \oplus 5V^{(2,1),(4)} \oplus 4V^{(2,1),(3,1)} \oplus 50V^{(4),(1)} \oplus 36V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 9V^{(4),(3)} \oplus 5V^{(4),(2,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 24V^{(3,1),(1,1)} \oplus 7V^{(3,1),(3)} \oplus 4V^{(3,1),(2,1)} \oplus 26V^{(5),(1)} \oplus 3V^{(5),(2)} \oplus 2V^{(5),(1,1)} \oplus 26V^{(4,1),(1)} \oplus 3V^{(4,1),(2)} \oplus 2V^{(4,1),(1,1)} \oplus V^{(5,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 10V^{(2),(5)} \oplus 10V^{(2),(4,1)} \oplus V^{(2),(5,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 10V^{(1,1),(5)} \oplus 10V^{(1,1),(4,1)} \oplus V^{(1,1),(5,1)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 26V^{(3),(3)} \oplus 22V^{(3),(2,1)} \oplus 16V^{(3),(4)} \oplus 12V^{(3),(3,1)} \oplus 3V^{(3),(5)} \oplus 3V^{(3),(4,1)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(3)} \oplus 20V^{(2,1),(2,1)} \oplus 12V^{(2,1),(4)} \oplus 10V^{(2,1),(3,1)} \oplus 2V^{(2,1),(5)} \oplus 2V^{(2,1),(4,1)} \oplus 18V^{(4),(2)} \oplus 18V^{(4),(1,1)} \oplus 16V^{(4),(3)} \oplus 12V^{(4),(2,1)} \oplus 7V^{(4),(4)} \oplus 5V^{(4),(3,1)} \oplus 18V^{(3,1),(2)} \oplus 18V^{(3,1),(1,1)} \oplus 12V^{(3,1),(3)} \oplus 10V^{(3,1),(2,1)} \oplus 5V^{(3,1),(4)} \oplus 4V^{(3,1),(3,1)} \oplus 10V^{(5),(2)} \oplus 10V^{(5),(1,1)} \oplus 3V^{(5),(3)} \oplus 2V^{(5),(2,1)} \oplus 10V^{(4,1),(2)} \oplus 10V^{(4,1),(1,1)} \oplus 3V^{(4,1),(3)} \oplus 2V^{(4,1),(2,1)} \oplus V^{(5,1),(2)} \oplus V^{(5,1),(1,1)}$

Table 14: Table for $\lambda = (5,1)$, $\mu = (4,2)$:

$k = 12: \quad 34V^{\varnothing,\varnothing}$
$k = 11: \quad 1057V^{\varnothing,\varnothing} \oplus 58V^{\varnothing,(1)} \oplus 85V^{(1),\varnothing}$
$k = 10: \quad 1774V^{\varnothing,\varnothing} \oplus 970V^{\varnothing,(1)} \oplus 28V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 1050V^{(1),\varnothing} \oplus 265V^{(1),(1)} \oplus 30V^{(2),\varnothing} \oplus 22V^{(1,1),\varnothing}$
$k = 9: \quad 1400V^{\varnothing,\varnothing} \oplus 1456V^{\varnothing,(1)} \oplus 418V^{\varnothing,(2)} \oplus 274V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 1626V^{(1),\varnothing} \oplus 1444V^{(1),(1)} \oplus 89V^{(1),(2)} \oplus 83V^{(1),(1,1)} \oplus 418V^{(2),\varnothing} \oplus 97V^{(2),(1)} \oplus 254V^{(1,1),\varnothing} \oplus 73V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 8V^{(2,1),\varnothing}$
$k = 8: \quad 738V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 498V^{\varnothing,(2)} \oplus 312V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(3)} \oplus 164V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 1096V^{(1),\varnothing} \oplus 2114V^{(1),(1)} \oplus 564V^{(1),(2)} \oplus 452V^{(1),(1,1)} \oplus 25V^{(1),(3)} \oplus 25V^{(1),(2,1)} \oplus 534V^{(2),\varnothing} \oplus 556V^{(2),(1)} \oplus 65V^{(2),(2)} \oplus 59V^{(2),(1,1)} \oplus 348V^{(1,1),\varnothing} \oplus 408V^{(1,1),(1)} \oplus 45V^{(1,1),(2)} \oplus 42V^{(1,1),(1,1)} \oplus 180V^{(3),\varnothing} \oplus 31V^{(3),(1)} \oplus 108V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 4V^{(4),\varnothing} \oplus 3V^{(3,1),\varnothing}$
$k = 7: \quad 165V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 140V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(3)} \oplus 130V^{\varnothing,(2,1)} \oplus 36V^{\varnothing,(4)} \oplus 62V^{\varnothing,(3,1)} \oplus 36V^{\varnothing,(2,2)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,2)} \oplus 510V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 606V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 7V^{(1),(4)} \oplus 9V^{(1),(3,1)} \oplus 7V^{(1),(2,2)} \oplus 268V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 236V^{(2),(2)} \oplus 188V^{(2),(1,1)} \oplus 25V^{(2),(3)} \oplus 25V^{(2),(2,1)} \oplus 188V^{(1,1),\varnothing} \oplus 582V^{(1,1),(1)} \oplus 168V^{(1,1),(2)} \oplus 144V^{(1,1),(1,1)} \oplus 13V^{(1,1),(3)} \oplus 13V^{(1,1),(2,1)} \oplus 154V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 29V^{(3),(2)} \oplus 23V^{(3),(1,1)} \oplus 104V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus 21V^{(2,1),(2)} \oplus 18V^{(2,1),(1,1)} \oplus 70V^{(4),\varnothing} \oplus 9V^{(4),(1)} \oplus 44V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus V^{(5),\varnothing} \oplus V^{(4,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(4)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 5V^{\varnothing,(4,1)} \oplus 5V^{\varnothing,(3,2)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,2)} \oplus 54V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 214V^{(2),(1,1)} \oplus 88V^{(2),(3)} \oplus 88V^{(2),(2,1)} \oplus 7V^{(2),(4)} \oplus 9V^{(2),(3,1)} \oplus 7V^{(2),(2,2)} \oplus 54V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 210V^{(1,1),(2)} \oplus 188V^{(1,1),(1,1)} \oplus 64V^{(1,1),(3)} \oplus 64V^{(1,1),(2,1)} \oplus 4V^{(1,1),(4)} \oplus 5V^{(1,1),(3,1)} \oplus 4V^{(1,1),(2,2)} \oplus 27V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 96V^{(3),(2)} \oplus 72V^{(3),(1,1)} \oplus 19V^{(3),(3)} \oplus 19V^{(3),(2,1)} \oplus 27V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 68V^{(2,1),(2)} \oplus 56V^{(2,1),(1,1)} \oplus 13V^{(2,1),(3)} \oplus 13V^{(2,1),(2,1)} \oplus 18V^{(4),\varnothing} \oplus 92V^{(4),(1)} \oplus 11V^{(4),(2)} \oplus 7V^{(4),(1,1)} \oplus 18V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 6V^{(3,1),(1,1)} \oplus 9V^{(5),\varnothing} \oplus 3V^{(5),(1)} \oplus 9V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(4,2)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 28V^{(2),(4)} \oplus 36V^{(2),(3,1)} \oplus 28V^{(2),(2,2)} \oplus 3V^{(2),(4,1)} \oplus 3V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 102V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 24V^{(1,1),(4)} \oplus 28V^{(1,1),(3,1)} \oplus 24V^{(1,1),(2,2)} \oplus 2V^{(1,1),(4,1)} \oplus 2V^{(1,1),(3,2)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 40V^{(3),(3)} \oplus 40V^{(3),(2,1)} \oplus 7V^{(3),(4)} \oplus 9V^{(3),(3,1)} \oplus 7V^{(3),(2,2)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 60V^{(2,1),(1,1)} \oplus 28V^{(2,1),(3)} \oplus 28V^{(2,1),(2,1)} \oplus 4V^{(2,1),(4)} \oplus 5V^{(2,1),(3,1)} \oplus 4V^{(2,1),(2,2)} \oplus 50V^{(4),(1)} \oplus 36V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 9V^{(4),(3)} \oplus 9V^{(4),(2,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 24V^{(3,1),(1,1)} \oplus 7V^{(3,1),(3)} \oplus 7V^{(3,1),(2,1)} \oplus 26V^{(5),(1)} \oplus 3V^{(5),(2)} \oplus 2V^{(5),(1,1)} \oplus 26V^{(4,1),(1)} \oplus 3V^{(4,1),(2)} \oplus 2V^{(4,1),(1,1)} \oplus V^{(5,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(4,1)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(4,2)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus 10V^{(1,1),(4,1)} \oplus 10V^{(1,1),(3,2)} \oplus V^{(1,1),(4,2)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 26V^{(3),(3)} \oplus 26V^{(3),(2,1)} \oplus 12V^{(3),(4)} \oplus 16V^{(3),(3,1)} \oplus 12V^{(3),(2,2)} \oplus 3V^{(3),(4,1)} \oplus 3V^{(3),(3,2)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(3)} \oplus 22V^{(2,1),(2,1)} \oplus 10V^{(2,1),(4)} \oplus 12V^{(2,1),(3,1)} \oplus 10V^{(2,1),(2,2)} \oplus 2V^{(2,1),(4,1)} \oplus 2V^{(2,1),(3,2)} \oplus 18V^{(4),(2)} \oplus 18V^{(4),(1,1)} \oplus 16V^{(4),(3)} \oplus 16V^{(4),(2,1)} \oplus 5V^{(4),(4)} \oplus$

Table 15: Table for $\lambda = (5,1)$, $\mu = (4,1,1)$:

$k = 12: \quad 34V^{\varnothing,\varnothing}$
$k = 11: \quad 1062V^{\varnothing,\varnothing} \oplus 60V^{\varnothing,(1)} \oplus 108V^{(1),\varnothing}$
$k = 10: \quad 1784V^{\varnothing,\varnothing} \oplus 1050V^{\varnothing,(1)} \oplus 28V^{\varnothing,(2)} \oplus 26V^{\varnothing,(1,1)} \oplus 1112V^{(1),\varnothing} \oplus 269V^{(1),(1)} \oplus 37V^{(2),\varnothing} \oplus 28V^{(1,1),\varnothing}$
$k = 9: \quad 1410V^{\varnothing,\varnothing} \oplus 1564V^{\varnothing,(1)} \oplus 418V^{\varnothing,(2)} \oplus 378V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1688V^{(1),\varnothing} \oplus 1508V^{(1),(1)} \oplus 89V^{(1),(2)} \oplus 85V^{(1),(1,1)} \oplus 436V^{(2),\varnothing} \oplus 101V^{(2),(1)} \oplus 268V^{(1,1),\varnothing} \oplus 75V^{(1,1),(1)} \oplus 12V^{(3),\varnothing} \oplus 9V^{(2,1),\varnothing}$
$k = 8: \quad 748V^{\varnothing,\varnothing} \oplus 984V^{\varnothing,(1)} \oplus 498V^{\varnothing,(2)} \oplus 462V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(3)} \oplus 164V^{\varnothing,(2,1)} \oplus 92V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 1296V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 564V^{(1),(2)} \oplus 532V^{(1),(1,1)} \oplus 25V^{(1),(3)} \oplus 25V^{(1),(2,1)} \oplus 19V^{(1),(1,1,1)} \oplus 552V^{(2),\varnothing} \oplus 588V^{(2),(1)} \oplus 65V^{(2),(2)} \oplus 61V^{(2),(1,1)} \oplus 366V^{(1,1),\varnothing} \oplus 424V^{(1,1),(1)} \oplus 45V^{(1,1),(2)} \oplus 43V^{(1,1),(1,1)} \oplus 184V^{(3),\varnothing} \oplus 35V^{(3),(1)} \oplus 112V^{(2,1),\varnothing} \oplus 27V^{(2,1),(1)} \oplus 4V^{(4),\varnothing} \oplus 3V^{(3,1),\varnothing}$
$k = 7: \quad 170V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(3)} \oplus 130V^{\varnothing,(2,1)} \oplus 80V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(4)} \oplus 62V^{\varnothing,(3,1)} \oplus 36V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(4)} \oplus 9V^{(1),(3,1)} \oplus 7V^{(1),(2,1,1)} \oplus 320V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 236V^{(2),(2)} \oplus 220V^{(2),(1,1)} \oplus 25V^{(2),(3)} \oplus 25V^{(2),(2,1)} \oplus 19V^{(2),(1,1,1)} \oplus 240V^{(1,1),\varnothing} \oplus 594V^{(1,1),(1)} \oplus 168V^{(1,1),(2)} \oplus 160V^{(1,1),(1,1)} \oplus 13V^{(1,1),(3)} \oplus 13V^{(1,1),(2,1)} \oplus 10V^{(1,1),(1,1,1)} \oplus 160V^{(3),\varnothing} \oplus 232V^{(3),(1)} \oplus 29V^{(3),(2)} \oplus 25V^{(3),(1,1)} \oplus 110V^{(2,1),\varnothing} \oplus 168V^{(2,1),(1)} \oplus 21V^{(2,1),(2)} \oplus 19V^{(2,1),(1,1)} \oplus 72V^{(4),\varnothing} \oplus 11V^{(4),(1)} \oplus 46V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus V^{(5),\varnothing} \oplus V^{(4,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(4)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 5V^{\varnothing,(4,1)} \oplus 5V^{\varnothing,(3,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,1,1)} \oplus 70V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 250V^{(2),(1,1)} \oplus 88V^{(2),(3)} \oplus 88V^{(2),(2,1)} \oplus 64V^{(2),(1,1,1)} \oplus 7V^{(2),(4)} \oplus 9V^{(2),(3,1)} \oplus 7V^{(2),(2,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 210V^{(1,1),(2)} \oplus 206V^{(1,1),(1,1)} \oplus 64V^{(1,1),(3)} \oplus 64V^{(1,1),(2,1)} \oplus 52V^{(1,1),(1,1,1)} \oplus 4V^{(1,1),(4)} \oplus 5V^{(1,1),(3,1)} \oplus 4V^{(1,1),(2,1,1)} \oplus 40V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 96V^{(3),(2)} \oplus 88V^{(3),(1,1)} \oplus 19V^{(3),(3)} \oplus 19V^{(3),(2,1)} \oplus 13V^{(3),(1,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 68V^{(2,1),(2)} \oplus 64V^{(2,1),(1,1)} \oplus 13V^{(2,1),(3)} \oplus 13V^{(2,1),(2,1)} \oplus 10V^{(2,1),(1,1,1)} \oplus 20V^{(4),\varnothing} \oplus 92V^{(4),(1)} \oplus 11V^{(4),(2)} \oplus 9V^{(4),(1,1)} \oplus 20V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 7V^{(3,1),(1,1)} \oplus 10V^{(5),\varnothing} \oplus 3V^{(5),(1)} \oplus 10V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,1,1)} \oplus V^{(1),(4,1,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(4)} \oplus 36V^{(2),(3,1)} \oplus 28V^{(2),(2,1,1)} \oplus 3V^{(2),(4,1)} \oplus 3V^{(2),(3,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 60V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(4)} \oplus 28V^{(1,1),(3,1)} \oplus 24V^{(1,1),(2,1,1)} \oplus 2V^{(1,1),(4,1)} \oplus 2V^{(1,1),(3,1,1)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 40V^{(3),(3)} \oplus 40V^{(3),(2,1)} \oplus 28V^{(3),(1,1,1)} \oplus 7V^{(3),(4)} \oplus 9V^{(3),(3,1)} \oplus 7V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 28V^{(2,1),(3)} \oplus 28V^{(2,1),(2,1)} \oplus 22V^{(2,1),(1,1,1)} \oplus 4V^{(2,1),(4)} \oplus 5V^{(2,1),(3,1)} \oplus 4V^{(2,1),(2,1,1)} \oplus 50V^{(4),(1)} \oplus 36V^{(4),(2)} \oplus 36V^{(4),(1,1)} \oplus 9V^{(4),(3)} \oplus 9V^{(4),(2,1)} \oplus 5V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 7V^{(3,1),(3)} \oplus 7V^{(3,1),(2,1)} \oplus 4V^{(3,1),(1,1,1)} \oplus 26V^{(5),(1)} \oplus 3V^{(5),(2)} \oplus 3V^{(5),(1,1)} \oplus 26V^{(4,1),(1)} \oplus 3V^{(4,1),(2)} \oplus 3V^{(4,1),(1,1)} \oplus V^{(5,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(4,1)} \oplus 10V^{(2),(3,1,1)} \oplus V^{(2),(4,1,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus$

Table 16: Table for $\lambda = (5,1)$, $\mu = (3,3)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1017V^{\varnothing,\varnothing} \oplus 43V^{\varnothing,(1)} \oplus 67V^{(1),\varnothing}$
$k = 10: \quad 1732V^{\varnothing,\varnothing} \oplus 910V^{\varnothing,(1)} \oplus 21V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 942V^{(1),\varnothing} \oplus 205V^{(1),(1)} \oplus 29V^{(2),\varnothing} \oplus 21V^{(1,1),\varnothing}$
$k = 9: \quad 1360V^{\varnothing,\varnothing} \oplus 1426V^{\varnothing,(1)} \oplus 358V^{\varnothing,(2)} \oplus 254V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(3)} \oplus 9V^{\varnothing,(2,1)} \oplus 1426V^{(1),\varnothing} \oplus 1348V^{(1),(1)} \oplus 73V^{(1),(2)} \oplus 71V^{(1),(1,1)} \oplus 378V^{(2),\varnothing} \oplus 61V^{(2),(1)} \oplus 214V^{(1,1),\varnothing} \oplus 43V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 8V^{(2,1),\varnothing}$
$k = 8:$ $673V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 462V^{\varnothing,(2)} \oplus 312V^{\varnothing,(1,1)} \oplus 92V^{\varnothing,(3)} \oplus 144V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 936V^{(1),\varnothing} \oplus 2090V^{(1),(1)} \oplus 508V^{(1),(2)} \oplus 428V^{(1),(1,1)} \oplus 19V^{(1),(3)} \oplus 21V^{(1),(2,1)} \oplus 462V^{(2),\varnothing} \oplus 532V^{(2),(1)} \oplus 49V^{(2),(2)} \oplus 47V^{(2),(1,1)} \oplus 276V^{(1,1),\varnothing} \oplus 396V^{(1,1),(1)} \oplus 37V^{(1,1),(2)} \oplus 36V^{(1,1),(1,1)} \oplus 164V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 92V^{(2,1),\varnothing} \oplus 19V^{(2,1),(1)} \oplus 4V^{(4),\varnothing} \oplus 3V^{(3,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 140V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(3)} \oplus 130V^{\varnothing,(2,1)} \oplus 36V^{\varnothing,(3,1)} \oplus 36V^{\varnothing,(2,2)} \oplus V^{\varnothing,(3,2)} \oplus 365V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 606V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 200V^{(1),(2,1)} \oplus 7V^{(1),(3,1)} \oplus 7V^{(1),(2,2)} \oplus 220V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 208V^{(2),(2)} \oplus 176V^{(2),(1,1)} \oplus 19V^{(2),(3)} \oplus 21V^{(2),(2,1)} \oplus 140V^{(1,1),\varnothing} \oplus 582V^{(1,1),(1)} \oplus 154V^{(1,1),(2)} \oplus 138V^{(1,1),(1,1)} \oplus 10V^{(1,1),(3)} \oplus 11V^{(1,1),(2,1)} \oplus 130V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 19V^{(3),(2)} \oplus 17V^{(3),(1,1)} \oplus 80V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus 13V^{(2,1),(2)} \oplus 12V^{(2,1),(1,1)} \oplus 62V^{(4),\varnothing} \oplus 9V^{(4),(1)} \oplus 36V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus V^{(5),\varnothing} \oplus V^{(4,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 5V^{\varnothing,(3,2)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(3,2)} \oplus 25V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 250V^{(2),(2)} \oplus 214V^{(2),(1,1)} \oplus 64V^{(2),(3)} \oplus 80V^{(2),(2,1)} \oplus 7V^{(2),(3,1)} \oplus 7V^{(2),(2,2)} \oplus 25V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 206V^{(1,1),(2)} \oplus 188V^{(1,1),(1,1)} \oplus 52V^{(1,1),(3)} \oplus 60V^{(1,1),(2,1)} \oplus 4V^{(1,1),(3,1)} \oplus 4V^{(1,1),(2,2)} \oplus 15V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 88V^{(3),(2)} \oplus 72V^{(3),(1,1)} \oplus 13V^{(3),(3)} \oplus 15V^{(3),(2,1)} \oplus 15V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 56V^{(2,1),(1,1)} \oplus 10V^{(2,1),(3)} \oplus 11V^{(2,1),(2,1)} \oplus 10V^{(4),\varnothing} \oplus 92V^{(4),(1)} \oplus 9V^{(4),(2)} \oplus 7V^{(4),(1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 7V^{(3,1),(2)} \oplus 6V^{(3,1),(1,1)} \oplus 5V^{(5),\varnothing} \oplus 3V^{(5),(1)} \oplus 5V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(3,3)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 28V^{(2),(3,1)} \oplus 28V^{(2),(2,2)} \oplus 3V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 102V^{(1,1),(1,1)} \oplus 60V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 24V^{(1,1),(3,1)} \oplus 24V^{(1,1),(2,2)} \oplus 2V^{(1,1),(3,2)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 28V^{(3),(3)} \oplus 36V^{(3),(2,1)} \oplus 7V^{(3),(3,1)} \oplus 7V^{(3),(2,2)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 60V^{(2,1),(1,1)} \oplus 22V^{(2,1),(3)} \oplus 26V^{(2,1),(2,1)} \oplus 4V^{(2,1),(3,1)} \oplus 4V^{(2,1),(2,2)} \oplus 50V^{(4),(1)} \oplus 36V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 5V^{(4),(3)} \oplus 7V^{(4),(2,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 24V^{(3,1),(1,1)} \oplus 4V^{(3,1),(3)} \oplus 5V^{(3,1),(2,1)} \oplus 26V^{(5),(1)} \oplus 3V^{(5),(2)} \oplus 2V^{(5),(1,1)} \oplus 26V^{(4,1),(1)} \oplus 3V^{(4,1),(2)} \oplus 2V^{(4,1),(1,1)} \oplus V^{(5,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(3,3)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus 10V^{(1,1),(3,2)} \oplus V^{(1,1),(3,3)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 22V^{(3),(3)} \oplus 26V^{(3),(2,1)} \oplus 12V^{(3),(3,1)} \oplus 12V^{(3),(2,2)} \oplus 3V^{(3),(3,2)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 20V^{(2,1),(3)} \oplus 22V^{(2,1),(2,1)} \oplus 10V^{(2,1),(3,1)} \oplus 10V^{(2,1),(2,2)} \oplus 2V^{(2,1),(3,2)} \oplus 18V^{(4),(2)} \oplus 18V^{(4),(1,1)} \oplus 12V^{(4),(3)} \oplus 16V^{(4),(2,1)} \oplus 5V^{(4),(3,1)} \oplus 5V^{(4),(2,2)} \oplus 18V^{(3,1),(2)} \oplus 18V^{(3,1),(1,1)} \oplus 10V^{(3,1),(3)} \oplus 12V^{(3,1),(2,1)} \oplus 4V^{(3,1),(3,1)} \oplus 4V^{(3,1),(2,2)} \oplus 10V^{(5),(2)} \oplus 10V^{(5),(1,1)} \oplus 2V^{(5),(3)} \oplus 3V^{(5),(2,1)} \oplus 10V^{(4,1),(2)} \oplus 10V^{(4,1),(1,1)} \oplus 2V^{(4,1),(3)} \oplus 3V^{(4,1),(2,1)} \oplus V^{(5,1),(2)} \oplus V^{(5,1),(1,1)}$
$k = 3: \quad 6V^{(3),(3)} \oplus 6V^{(3),(2,1)} \oplus 6V^{(3),(3,1)} \oplus 6V^{(3),(2,2)} \oplus 4V^{(3),(3,2)} \oplus V^{(3),(3,3)} \oplus$

Table 17: Table for $\lambda = (5,1)$, $\mu = (3,2,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1072V^{\varnothing,\varnothing} \oplus 70V^{\varnothing,(1)} \oplus 148V^{(1),\varnothing}$
$k = 10: \quad 1842V^{\varnothing,\varnothing} \oplus 1070V^{\varnothing,(1)} \oplus 33V^{\varnothing,(2)} \oplus 33V^{\varnothing,(1,1)} \oplus 1280V^{(1),\varnothing} \oplus 317V^{(1),(1)} \oplus 40V^{(2),\varnothing} \oplus 31V^{(1,1),\varnothing}$
$k = 9: \quad 1470V^{\varnothing,\varnothing} \oplus 1564V^{\varnothing,(1)} \oplus 438V^{\varnothing,(2)} \oplus 438V^{\varnothing,(1,1)} \oplus 10V^{\varnothing,(3)} \oplus 14V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(1,1,1)} \oplus 1988V^{(1),\varnothing} \oplus 1556V^{(1),(1)} \oplus 101V^{(1),(2)} \oplus 101V^{(1),(1,1)} \oplus 496V^{(2),\varnothing} \oplus 125V^{(2),(1)} \oplus 328V^{(1,1),\varnothing} \oplus 99V^{(1,1),(1)} \oplus 12V^{(3),\varnothing} \oplus 9V^{(2,1),\varnothing}$
$k = 8: \quad 728V^{\varnothing,\varnothing} \oplus 984V^{\varnothing,(1)} \oplus 498V^{\varnothing,(2)} \oplus 498V^{\varnothing,(1,1)} \oplus 112V^{\varnothing,(3)} \oplus 236V^{\varnothing,(2,1)} \oplus 112V^{\varnothing,(1,1,1)} \oplus 4V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 1632V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 588V^{(1),(2)} \oplus 588V^{(1),(1,1)} \oplus 23V^{(1),(3)} \oplus 31V^{(1),(2,1)} \oplus 23V^{(1),(1,1,1)} \oplus 660V^{(2),\varnothing} \oplus 588V^{(2),(1)} \oplus 77V^{(2),(2)} \oplus 77V^{(2),(1,1)} \oplus 474V^{(1,1),\varnothing} \oplus 424V^{(1,1),(1)} \oplus 51V^{(1,1),(2)} \oplus 51V^{(1,1),(1,1)} \oplus 208V^{(3),\varnothing} \oplus 35V^{(3),(1)} \oplus 136V^{(2,1),\varnothing} \oplus 27V^{(2,1),(1)} \oplus 4V^{(4),\varnothing} \oplus 3V^{(3,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(3)} \oplus 180V^{\varnothing,(2,1)} \oplus 80V^{\varnothing,(1,1,1)} \oplus 62V^{\varnothing,(3,1)} \oplus 62V^{\varnothing,(2,2)} \oplus 62V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(3,2)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 880V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 176V^{(1),(3)} \oplus 272V^{(1),(2,1)} \oplus 176V^{(1),(1,1,1)} \oplus 9V^{(1),(3,1)} \oplus 9V^{(1),(2,2)} \oplus 9V^{(1),(2,1,1)} \oplus 416V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 248V^{(2),(2)} \oplus 248V^{(2),(1,1)} \oplus 23V^{(2),(3)} \oplus 31V^{(2),(2,1)} \oplus 23V^{(2),(1,1,1)} \oplus 336V^{(1,1),\varnothing} \oplus 594V^{(1,1),(1)} \oplus 174V^{(1,1),(2)} \oplus 174V^{(1,1),(1,1)} \oplus 12V^{(1,1),(3)} \oplus 16V^{(1,1),(2,1)} \oplus 12V^{(1,1),(1,1,1)} \oplus 196V^{(3),\varnothing} \oplus 232V^{(3),(1)} \oplus 35V^{(3),(2)} \oplus 35V^{(3),(1,1)} \oplus 146V^{(2,1),\varnothing} \oplus 168V^{(2,1),(1)} \oplus 27V^{(2,1),(2)} \oplus 27V^{(2,1),(1,1)} \oplus 84V^{(4),\varnothing} \oplus 11V^{(4),(1)} \oplus 58V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus V^{(5),\varnothing} \oplus V^{(4,1),\varnothing}$
$k = 6:$ $25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 5V^{\varnothing,(3,2)} \oplus 5V^{\varnothing,(3,1,1)} \oplus 5V^{\varnothing,(2,2,1)} \oplus 256V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 258V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 92V^{(1),(3,1)} \oplus 92V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 3V^{(1),(3,2)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 128V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 72V^{(2),(3)} \oplus 112V^{(2),(2,1)} \oplus 72V^{(2),(1,1,1)} \oplus 9V^{(2),(3,1)} \oplus 9V^{(2),(2,2)} \oplus 9V^{(2),(2,1,1)} \oplus 128V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 210V^{(1,1),(2)} \oplus 210V^{(1,1),(1,1)} \oplus 56V^{(1,1),(3)} \oplus 76V^{(1,1),(2,1)} \oplus 56V^{(1,1),(1,1,1)} \oplus 5V^{(1,1),(3,1)} \oplus 5V^{(1,1),(2,2)} \oplus 5V^{(1,1),(2,1,1)} \oplus 64V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 96V^{(3),(2)} \oplus 96V^{(3),(1,1)} \oplus 17V^{(3),(3)} \oplus 25V^{(3),(2,1)} \oplus 17V^{(3),(1,1,1)} \oplus 64V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 68V^{(2,1),(2)} \oplus 68V^{(2,1),(1,1)} \oplus 12V^{(2,1),(3)} \oplus 16V^{(2,1),(2,1)} \oplus 12V^{(2,1),(1,1,1)} \oplus 32V^{(4),\varnothing} \oplus 92V^{(4),(1)} \oplus 11V^{(4),(2)} \oplus 11V^{(4),(1,1)} \oplus 32V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 16V^{(5),\varnothing} \oplus 3V^{(5),(1)} \oplus 16V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(3,2)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(3,2,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 90V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 36V^{(2),(3,1)} \oplus 36V^{(2),(2,2)} \oplus 36V^{(2),(2,1,1)} \oplus 3V^{(2),(3,2)} \oplus 3V^{(2),(3,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 60V^{(1,1),(3)} \oplus 72V^{(1,1),(2,1)} \oplus 60V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,2)} \oplus 28V^{(1,1),(2,1,1)} \oplus 2V^{(1,1),(3,2)} \oplus 2V^{(1,1),(3,1,1)} \oplus 2V^{(1,1),(2,2,1)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 32V^{(3),(3)} \oplus 52V^{(3),(2,1)} \oplus 32V^{(3),(1,1,1)} \oplus 9V^{(3),(3,1)} \oplus 9V^{(3),(2,2)} \oplus 9V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 24V^{(2,1),(3)} \oplus 34V^{(2,1),(2,1)} \oplus 24V^{(2,1),(1,1,1)} \oplus 5V^{(2,1),(3,1)} \oplus 5V^{(2,1),(2,2)} \oplus 5V^{(2,1),(2,1,1)} \oplus 50V^{(4),(1)} \oplus 36V^{(4),(2)} \oplus 36V^{(4),(1,1)} \oplus 7V^{(4),(3)} \oplus 13V^{(4),(2,1)} \oplus 7V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 6V^{(3,1),(3)} \oplus 10V^{(3,1),(2,1)} \oplus 6V^{(3,1),(1,1,1)} \oplus 26V^{(5),(1)} \oplus 3V^{(5),(2)} \oplus 3V^{(5),(1,1)} \oplus 26V^{(4,1),(1)} \oplus 3V^{(4,1),(2)} \oplus 3V^{(4,1),(1,1)} \oplus V^{(5,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(3,2)} \oplus 10V^{(2),(3,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus V^{(2),(3,2,1)} \oplus$

Table 18: Table for $\lambda = (5,1)$, $\mu = (3,1,1,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1042V^{\varnothing,\varnothing} \oplus 60V^{\varnothing,(1)} \oplus 108V^{(1),\varnothing}$
$k = 10: \quad 1782V^{\varnothing,\varnothing} \oplus 1050V^{\varnothing,(1)} \oplus 26V^{\varnothing,(2)} \oplus 28V^{\varnothing,(1,1)} \oplus 1112V^{(1),\varnothing} \oplus 269V^{(1),(1)} \oplus 37V^{(2),\varnothing} \oplus 28V^{(1,1),\varnothing}$
$k = 9: \quad 1410V^{\varnothing,\varnothing} \oplus 1564V^{\varnothing,(1)} \oplus 378V^{\varnothing,(2)} \oplus 418V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1688V^{(1),\varnothing} \oplus 1508V^{(1),(1)} \oplus 85V^{(1),(2)} \oplus 89V^{(1),(1,1)} \oplus 436V^{(2),\varnothing} \oplus 101V^{(2),(1)} \oplus 268V^{(1,1),\varnothing} \oplus 75V^{(1,1),(1)} \oplus 12V^{(3),\varnothing} \oplus 9V^{(2,1),\varnothing}$
$k = 8: \quad 698V^{\varnothing,\varnothing} \oplus 984V^{\varnothing,(1)} \oplus 462V^{\varnothing,(2)} \oplus 498V^{\varnothing,(1,1)} \oplus 92V^{\varnothing,(3)} \oplus 164V^{\varnothing,(2,1)} \oplus 164V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1296V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 532V^{(1),(2)} \oplus 564V^{(1),(1,1)} \oplus 19V^{(1),(3)} \oplus 25V^{(1),(2,1)} \oplus 25V^{(1),(1,1,1)} \oplus 552V^{(2),\varnothing} \oplus 588V^{(2),(1)} \oplus 61V^{(2),(2)} \oplus 65V^{(2),(1,1)} \oplus 366V^{(1,1),\varnothing} \oplus 424V^{(1,1),(1)} \oplus 43V^{(1,1),(2)} \oplus 45V^{(1,1),(1,1)} \oplus 184V^{(3),\varnothing} \oplus 35V^{(3),(1)} \oplus 112V^{(2,1),\varnothing} \oplus 27V^{(2,1),(1)} \oplus 4V^{(4),\varnothing} \oplus 3V^{(3,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(3)} \oplus 130V^{\varnothing,(2,1)} \oplus 130V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(3,1)} \oplus 62V^{\varnothing,(2,1,1)} \oplus 36V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(3,1)} \oplus 9V^{(1),(2,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus 320V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 220V^{(2),(2)} \oplus 236V^{(2),(1,1)} \oplus 19V^{(2),(3)} \oplus 25V^{(2),(2,1)} \oplus 25V^{(2),(1,1,1)} \oplus 240V^{(1,1),\varnothing} \oplus 594V^{(1,1),(1)} \oplus 160V^{(1,1),(2)} \oplus 168V^{(1,1),(1,1)} \oplus 10V^{(1,1),(3)} \oplus 13V^{(1,1),(2,1)} \oplus 13V^{(1,1),(1,1,1)} \oplus 160V^{(3),\varnothing} \oplus 232V^{(3),(1)} \oplus 25V^{(3),(2)} \oplus 29V^{(3),(1,1)} \oplus 110V^{(2,1),\varnothing} \oplus 168V^{(2,1),(1)} \oplus 19V^{(2,1),(2)} \oplus 21V^{(2,1),(1,1)} \oplus 72V^{(4),\varnothing} \oplus 11V^{(4),(1)} \oplus 46V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus V^{(5),\varnothing} \oplus V^{(4,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(1,1,1,1)} \oplus 5V^{\varnothing,(3,1,1)} \oplus 5V^{\varnothing,(2,1,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(3,1)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 70V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 250V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 64V^{(2),(3)} \oplus 88V^{(2),(2,1)} \oplus 88V^{(2),(1,1,1)} \oplus 7V^{(2),(3,1)} \oplus 9V^{(2),(2,1,1)} \oplus 7V^{(2),(1,1,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 206V^{(1,1),(2)} \oplus 210V^{(1,1),(1,1)} \oplus 52V^{(1,1),(3)} \oplus 64V^{(1,1),(2,1)} \oplus 64V^{(1,1),(1,1,1)} \oplus 4V^{(1,1),(3,1)} \oplus 5V^{(1,1),(2,1,1)} \oplus 4V^{(1,1),(1,1,1,1)} \oplus 40V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 88V^{(3),(2)} \oplus 96V^{(3),(1,1)} \oplus 13V^{(3),(3)} \oplus 19V^{(3),(2,1)} \oplus 19V^{(3),(1,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 68V^{(2,1),(1,1)} \oplus 10V^{(2,1),(3)} \oplus 13V^{(2,1),(2,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus 20V^{(4),\varnothing} \oplus 92V^{(4),(1)} \oplus 9V^{(4),(2)} \oplus 11V^{(4),(1,1)} \oplus 20V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 7V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 10V^{(5),\varnothing} \oplus 3V^{(5),(1)} \oplus 10V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(3,1,1,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(3,1)} \oplus 36V^{(2),(2,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 3V^{(2),(3,1,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 60V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,1,1)} \oplus 24V^{(1,1),(1,1,1,1)} \oplus 2V^{(1,1),(3,1,1)} \oplus 2V^{(1,1),(2,1,1,1)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 28V^{(3),(3)} \oplus 40V^{(3),(2,1)} \oplus 40V^{(3),(1,1,1)} \oplus 7V^{(3),(3,1)} \oplus 9V^{(3),(2,1,1)} \oplus 7V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 22V^{(2,1),(3)} \oplus 28V^{(2,1),(2,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 4V^{(2,1),(3,1)} \oplus 5V^{(2,1),(2,1,1)} \oplus 4V^{(2,1),(1,1,1,1)} \oplus 50V^{(4),(1)} \oplus 36V^{(4),(2)} \oplus 36V^{(4),(1,1)} \oplus 5V^{(4),(3)} \oplus 9V^{(4),(2,1)} \oplus 9V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 4V^{(3,1),(3)} \oplus 7V^{(3,1),(2,1)} \oplus 7V^{(3,1),(1,1,1)} \oplus 26V^{(5),(1)} \oplus 3V^{(5),(2)} \oplus 3V^{(5),(1,1)} \oplus 26V^{(4,1),(1)} \oplus 3V^{(4,1),(2)} \oplus 3V^{(4,1),(1,1)} \oplus V^{(5,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(3,1,1)} \oplus 10V^{(2),(2,1,1,1)} \oplus V^{(2),(3,1,1,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(3,1)} \oplus$	

Table 19: Table for $\lambda = (5,1)$, $\mu = (2,2,2)$:

$k = 12: \quad 7V^{\varnothing,\varnothing}$
$k = 11: \quad 965V^{\varnothing,\varnothing} \oplus 43V^{\varnothing,(1)} \oplus 67V^{(1),\varnothing}$
$k = 10: \quad 1696V^{\varnothing,\varnothing} \oplus 910V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 21V^{\varnothing,(1,1)} \oplus 942V^{(1),\varnothing} \oplus 205V^{(1),(1)} \oplus 29V^{(2),\varnothing} \oplus 21V^{(1,1),\varnothing}$
$k = 9: \quad 1329V^{\varnothing,\varnothing} \oplus 1426V^{\varnothing,(1)} \oplus 254V^{\varnothing,(2)} \oplus 358V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(2,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1426V^{(1),\varnothing} \oplus 1348V^{(1),(1)} \oplus 71V^{(1),(2)} \oplus 73V^{(1),(1,1)} \oplus 378V^{(2),\varnothing} \oplus 61V^{(2),(1)} \oplus 214V^{(1,1),\varnothing} \oplus 43V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 8V^{(2,1),\varnothing}$
$k = 8: \quad 648V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 312V^{\varnothing,(2)} \oplus 462V^{\varnothing,(1,1)} \oplus 144V^{\varnothing,(2,1)} \oplus 92V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 936V^{(1),\varnothing} \oplus 2090V^{(1),(1)} \oplus 428V^{(1),(2)} \oplus 508V^{(1),(1,1)} \oplus 21V^{(1),(2,1)} \oplus 19V^{(1),(1,1,1)} \oplus 462V^{(2),\varnothing} \oplus 532V^{(2),(1)} \oplus 47V^{(2),(2)} \oplus 49V^{(2),(1,1)} \oplus 276V^{(1,1),\varnothing} \oplus 396V^{(1,1),(1)} \oplus 36V^{(1,1),(2)} \oplus 37V^{(1,1),(1,1)} \oplus 164V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 92V^{(2,1),\varnothing} \oplus 19V^{(2,1),(1)} \oplus 4V^{(4),\varnothing} \oplus 3V^{(3,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 140V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(2,1)} \oplus 80V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(2,2)} \oplus 36V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 365V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 606V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 200V^{(1),(2,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(2,2)} \oplus 7V^{(1),(2,1,1)} \oplus 220V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 176V^{(2),(2)} \oplus 208V^{(2),(1,1)} \oplus 21V^{(2),(2,1)} \oplus 19V^{(2),(1,1,1)} \oplus 140V^{(1,1),\varnothing} \oplus 582V^{(1,1),(1)} \oplus 138V^{(1,1),(2)} \oplus 154V^{(1,1),(1,1)} \oplus 11V^{(1,1),(2,1)} \oplus 10V^{(1,1),(1,1,1)} \oplus 130V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 17V^{(3),(2)} \oplus 19V^{(3),(1,1)} \oplus 80V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus 12V^{(2,1),(2)} \oplus 13V^{(2,1),(1,1)} \oplus 62V^{(4),\varnothing} \oplus 9V^{(4),(1)} \oplus 36V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus V^{(5),\varnothing} \oplus V^{(4,1),\varnothing}$
$k = 6:$ $25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 5V^{\varnothing,(2,2,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 25V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 214V^{(2),(2)} \oplus 250V^{(2),(1,1)} \oplus 80V^{(2),(2,1)} \oplus 64V^{(2),(1,1,1)} \oplus 7V^{(2),(2,2)} \oplus 7V^{(2),(2,1,1)} \oplus 25V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 188V^{(1,1),(2)} \oplus 206V^{(1,1),(1,1)} \oplus 60V^{(1,1),(2,1)} \oplus 52V^{(1,1),(1,1,1)} \oplus 4V^{(1,1),(2,2)} \oplus 4V^{(1,1),(2,1,1)} \oplus 15V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 72V^{(3),(2)} \oplus 88V^{(3),(1,1)} \oplus 15V^{(3),(2,1)} \oplus 13V^{(3),(1,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 56V^{(2,1),(2)} \oplus 64V^{(2,1),(1,1)} \oplus 11V^{(2,1),(2,1)} \oplus 10V^{(2,1),(1,1,1)} \oplus 10V^{(4),\varnothing} \oplus 92V^{(4),(1)} \oplus 7V^{(4),(2)} \oplus 9V^{(4),(1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 6V^{(3,1),(2)} \oplus 7V^{(3,1),(1,1)} \oplus 5V^{(5),\varnothing} \oplus 3V^{(5),(1)} \oplus 5V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(2,2,2)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(2,2)} \oplus 28V^{(2),(2,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(2,1)} \oplus 60V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(2,2)} \oplus 24V^{(1,1),(2,1,1)} \oplus 2V^{(1,1),(2,2,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 36V^{(3),(2,1)} \oplus 28V^{(3),(1,1,1)} \oplus 7V^{(3),(2,2)} \oplus 7V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 60V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 26V^{(2,1),(2,1)} \oplus 22V^{(2,1),(1,1,1)} \oplus 4V^{(2,1),(2,2)} \oplus 4V^{(2,1),(2,1,1)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 36V^{(4),(1,1)} \oplus 7V^{(4),(2,1)} \oplus 5V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 24V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 5V^{(3,1),(2,1)} \oplus 4V^{(3,1),(1,1,1)} \oplus 26V^{(5),(1)} \oplus 2V^{(5),(2)} \oplus 3V^{(5),(1,1)} \oplus 26V^{(4,1),(1)} \oplus 2V^{(4,1),(2)} \oplus 3V^{(4,1),(1,1)} \oplus V^{(5,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus V^{(2),(2,2,2)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,2)} \oplus 18V^{(1,1),(2,1,1)} \oplus 10V^{(1,1),(2,2,1)} \oplus V^{(1,1),(2,2,2)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 26V^{(3),(2,1)} \oplus 22V^{(3),(1,1,1)} \oplus 12V^{(3),(2,2)} \oplus 12V^{(3),(2,1,1)} \oplus 3V^{(3),(2,2,1)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(2,1)} \oplus 20V^{(2,1),(1,1,1)} \oplus 10V^{(2,1),(2,2)} \oplus 10V^{(2,1),(2,1,1)} \oplus 2V^{(2,1),(2,2,1)} \oplus 18V^{(4),(2)} \oplus 18V^{(4),(1,1)} \oplus 16V^{(4),(2,1)} \oplus 12V^{(4),(1,1,1)} \oplus 5V^{(4),(2,2)} \oplus 5V^{(4),(2,1,1)} \oplus 18V^{(3,1),(2)} \oplus 18V^{(3,1),(1,1)} \oplus 12V^{(3,1),(2,1)} \oplus 10V^{(3,1),(1,1,1)} \oplus$

Table 20: Table for $\lambda = (5,1)$, $\mu = (2,2,1,1)$:

$k = 12: \quad 7V^{\varnothing,\varnothing}$
$k = 11: \quad 985V^{\varnothing,\varnothing} \oplus 58V^{\varnothing,(1)} \oplus 85V^{(1),\varnothing}$
$k = 10: \quad 1736V^{\varnothing,\varnothing} \oplus 970V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 28V^{\varnothing,(1,1)} \oplus 1050V^{(1),\varnothing} \oplus 265V^{(1),(1)} \oplus 30V^{(2),\varnothing} \oplus 22V^{(1,1),\varnothing}$
$k = 9: \quad 1349V^{\varnothing,\varnothing} \oplus 1456V^{\varnothing,(1)} \oplus 274V^{\varnothing,(2)} \oplus 418V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1626V^{(1),\varnothing} \oplus 1444V^{(1),(1)} \oplus 83V^{(1),(2)} \oplus 89V^{(1),(1,1)} \oplus 418V^{(2),\varnothing} \oplus 97V^{(2),(1)} \oplus 254V^{(1,1),\varnothing} \oplus 73V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 8V^{(2,1),\varnothing}$
$k = 8: \quad 648V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 312V^{\varnothing,(2)} \oplus 498V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(2,1)} \oplus 164V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1096V^{(1),\varnothing} \oplus 2114V^{(1),(1)} \oplus 452V^{(1),(2)} \oplus 564V^{(1),(1,1)} \oplus 25V^{(1),(2,1)} \oplus 25V^{(1),(1,1,1)} \oplus 534V^{(2),\varnothing} \oplus 556V^{(2),(1)} \oplus 59V^{(2),(2)} \oplus 65V^{(2),(1,1)} \oplus 348V^{(1,1),\varnothing} \oplus 408V^{(1,1),(1)} \oplus 42V^{(1,1),(2)} \oplus 45V^{(1,1),(1,1)} \oplus 180V^{(3),\varnothing} \oplus 31V^{(3),(1)} \oplus 108V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 4V^{(4),\varnothing} \oplus 3V^{(3,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 140V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(2,1)} \oplus 130V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(2,2)} \oplus 62V^{\varnothing,(2,1,1)} \oplus 36V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 510V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 606V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 216V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(2,2)} \oplus 9V^{(1),(2,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus 268V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 188V^{(2),(2)} \oplus 236V^{(2),(1,1)} \oplus 25V^{(2),(2,1)} \oplus 25V^{(2),(1,1,1)} \oplus 188V^{(1,1),\varnothing} \oplus 582V^{(1,1),(1)} \oplus 144V^{(1,1),(2)} \oplus 168V^{(1,1),(1,1)} \oplus 13V^{(1,1),(2,1)} \oplus 13V^{(1,1),(1,1,1)} \oplus 154V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 23V^{(3),(2)} \oplus 29V^{(3),(1,1)} \oplus 104V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus 18V^{(2,1),(2)} \oplus 21V^{(2,1),(1,1)} \oplus 70V^{(4),\varnothing} \oplus 9V^{(4),(1)} \oplus 44V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus V^{(5),\varnothing} \oplus V^{(4,1),\varnothing}$
$k = 6:$ $25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(1,1,1,1)} \oplus 5V^{\varnothing,(2,2,1)} \oplus 5V^{\varnothing,(2,1,1,1)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 54V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 214V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 88V^{(2),(2,1)} \oplus 88V^{(2),(1,1,1)} \oplus 7V^{(2),(2,2)} \oplus 9V^{(2),(2,1,1)} \oplus 7V^{(2),(1,1,1,1)} \oplus 54V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 188V^{(1,1),(2)} \oplus 210V^{(1,1),(1,1)} \oplus 64V^{(1,1),(2,1)} \oplus 64V^{(1,1),(1,1,1)} \oplus 4V^{(1,1),(2,2)} \oplus 5V^{(1,1),(2,1,1)} \oplus 4V^{(1,1),(1,1,1,1)} \oplus 27V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 72V^{(3),(2)} \oplus 96V^{(3),(1,1)} \oplus 19V^{(3),(2,1)} \oplus 19V^{(3),(1,1,1)} \oplus 27V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 56V^{(2,1),(2)} \oplus 68V^{(2,1),(1,1)} \oplus 13V^{(2,1),(2,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus 18V^{(4),\varnothing} \oplus 92V^{(4),(1)} \oplus 7V^{(4),(2)} \oplus 11V^{(4),(1,1)} \oplus 18V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 6V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 9V^{(5),\varnothing} \oplus 3V^{(5),(1)} \oplus 9V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(2,2,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(2,2)} \oplus 36V^{(2),(2,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(2,2)} \oplus 28V^{(1,1),(2,1,1)} \oplus 24V^{(1,1),(1,1,1,1)} \oplus 2V^{(1,1),(2,2,1)} \oplus 2V^{(1,1),(2,1,1,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 40V^{(3),(2,1)} \oplus 40V^{(3),(1,1,1)} \oplus 7V^{(3),(2,2)} \oplus 9V^{(3),(2,1,1)} \oplus 7V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 60V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 28V^{(2,1),(2,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 4V^{(2,1),(2,2)} \oplus 5V^{(2,1),(2,1,1)} \oplus 4V^{(2,1),(1,1,1,1)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 36V^{(4),(1,1)} \oplus 9V^{(4),(2,1)} \oplus 9V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 24V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 7V^{(3,1),(2,1)} \oplus 7V^{(3,1),(1,1,1)} \oplus 26V^{(5),(1)} \oplus 2V^{(5),(2)} \oplus 3V^{(5),(1,1)} \oplus 26V^{(4,1),(1)} \oplus 2V^{(4,1),(2)} \oplus 3V^{(4,1),(1,1)} \oplus V^{(5,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus 10V^{(2),(2,1,1,1)} \oplus V^{(2),(2,2,1,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,2)} \oplus 18V^{(1,1),(2,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(2,2,1)} \oplus 10V^{(1,1),(2,1,1,1)} \oplus V^{(1,1),(2,2,1,1)} \oplus 24V^{(3),(2)} \oplus$

Table 21: Table for $\lambda = (5,1)$, $\mu = (2,1,1,1,1)$:

$k = 12: \quad 7V^{\varnothing,\varnothing}$
$k = 11: \quad 965V^{\varnothing,\varnothing} \oplus 53V^{\varnothing,(1)} \oplus 53V^{(1),\varnothing}$
$k = 10: \quad 1696V^{\varnothing,\varnothing} \oplus 930V^{\varnothing,(1)} \oplus 18V^{\varnothing,(2)} \oplus 26V^{\varnothing,(1,1)} \oplus 930V^{(1),\varnothing} \oplus 253V^{(1),(1)} \oplus 26V^{(2),\varnothing} \oplus 18V^{(1,1),\varnothing}$
$k = 9: \quad 1329V^{\varnothing,\varnothing} \oplus 1426V^{\varnothing,(1)} \oplus 214V^{\varnothing,(2)} \oplus 378V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1426V^{(1),\varnothing} \oplus 1396V^{(1),(1)} \oplus 67V^{(1),(2)} \oplus 85V^{(1),(1,1)} \oplus 378V^{(2),\varnothing} \oplus 85V^{(2),(1)} \oplus 214V^{(1,1),\varnothing} \oplus 67V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 8V^{(2,1),\varnothing}$
$k = 8: \quad 648V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 276V^{\varnothing,(2)} \oplus 462V^{\varnothing,(1,1)} \oplus 92V^{\varnothing,(2,1)} \oplus 164V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 4V^{\varnothing,(1,1,1,1)} \oplus 936V^{(1),\varnothing} \oplus 2090V^{(1),(1)} \oplus 396V^{(1),(2)} \oplus 532V^{(1),(1,1)} \oplus 19V^{(1),(2,1)} \oplus 25V^{(1),(1,1,1)} \oplus 462V^{(2),\varnothing} \oplus 532V^{(2),(1)} \oplus 43V^{(2),(2)} \oplus 61V^{(2),(1,1)} \oplus 276V^{(1,1),\varnothing} \oplus 396V^{(1,1),(1)} \oplus 34V^{(1,1),(2)} \oplus 43V^{(1,1),(1,1)} \oplus 164V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 92V^{(2,1),\varnothing} \oplus 19V^{(2,1),(1)} \oplus 4V^{(4),\varnothing} \oplus 3V^{(3,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 140V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(2,1)} \oplus 130V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(2,1,1)} \oplus 62V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus 340V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 160V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(2,1,1)} \oplus 9V^{(1),(1,1,1,1)} \oplus 220V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 160V^{(2),(2)} \oplus 220V^{(2),(1,1)} \oplus 19V^{(2),(2,1)} \oplus 25V^{(2),(1,1,1)} \oplus 140V^{(1,1),\varnothing} \oplus 582V^{(1,1),(1)} \oplus 130V^{(1,1),(2)} \oplus 160V^{(1,1),(1,1)} \oplus 10V^{(1,1),(2,1)} \oplus 13V^{(1,1),(1,1,1)} \oplus 130V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 13V^{(3),(2)} \oplus 25V^{(3),(1,1)} \oplus 80V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus 10V^{(2,1),(2)} \oplus 19V^{(2,1),(1,1)} \oplus 62V^{(4),\varnothing} \oplus 9V^{(4),(1)} \oplus 36V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus V^{(5),\varnothing} \oplus V^{(4,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(1,1,1,1)} \oplus 5V^{\varnothing,(2,1,1,1)} \oplus 5V^{\varnothing,(1,1,1,1,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,1,1)} \oplus 92V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus 20V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 206V^{(2),(2)} \oplus 250V^{(2),(1,1)} \oplus 64V^{(2),(2,1)} \oplus 88V^{(2),(1,1,1)} \oplus 7V^{(2),(2,1,1)} \oplus 9V^{(2),(1,1,1,1)} \oplus 20V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 184V^{(1,1),(2)} \oplus 206V^{(1,1),(1,1)} \oplus 52V^{(1,1),(2,1)} \oplus 64V^{(1,1),(1,1,1)} \oplus 4V^{(1,1),(2,1,1)} \oplus 5V^{(1,1),(1,1,1,1)} \oplus 15V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 88V^{(3),(1,1)} \oplus 13V^{(3),(2,1)} \oplus 19V^{(3),(1,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 52V^{(2,1),(2)} \oplus 64V^{(2,1),(1,1)} \oplus 10V^{(2,1),(2,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus 10V^{(4),\varnothing} \oplus 92V^{(4),(1)} \oplus 5V^{(4),(2)} \oplus 9V^{(4),(1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 4V^{(3,1),(2)} \oplus 7V^{(3,1),(1,1)} \oplus 5V^{(5),\varnothing} \oplus 3V^{(5),(1)} \oplus 5V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)}$
$k = 5:$ $120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus V^{(1),(2,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(2,1,1)} \oplus 36V^{(2),(1,1,1,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 3V^{(2),(1,1,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 60V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(2,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 2V^{(1,1),(2,1,1,1)} \oplus 2V^{(1,1),(1,1,1,1,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 28V^{(3),(2,1)} \oplus 40V^{(3),(1,1,1)} \oplus 7V^{(3),(2,1,1)} \oplus 9V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 60V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 22V^{(2,1),(2,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 4V^{(2,1),(2,1,1)} \oplus 5V^{(2,1),(1,1,1,1)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 36V^{(4),(1,1)} \oplus 5V^{(4),(2,1)} \oplus 9V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 24V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 4V^{(3,1),(2,1)} \oplus 7V^{(3,1),(1,1,1)} \oplus 26V^{(5),(1)} \oplus 2V^{(5),(2)} \oplus 3V^{(5),(1,1)} \oplus 26V^{(4,1),(1)} \oplus 2V^{(4,1),(2)} \oplus 3V^{(4,1),(1,1)} \oplus V^{(5,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(2,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus V^{(2),(2,1,1,1,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(2,1,1,1)} \oplus 10V^{(1,1),(1,1,1,1,1)} \oplus V^{(1,1),(2,1,1,1,1)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 22V^{(3),(2,1)} \oplus 26V^{(3),(1,1,1)} \oplus 12V^{(3),(2,1,1)} \oplus 16V^{(3),(1,1,1,1)} \oplus 3V^{(3),(2,1,1,1)} \oplus 3V^{(3),(1,1,1,1,1)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 20V^{(2,1),(2,1)} \oplus 22V^{(2,1),(1,1,1)} \oplus 10V^{(2,1),(2,1,1)} \oplus$

Table 22: Table for $\lambda = (5,1)$, $\mu = (1,1,1,1,1,1)$:

$k = 12: \quad 2V^{\varnothing,\varnothing}$
$k = 11: \quad 781V^{\varnothing,\varnothing} \oplus 35V^{\varnothing,(1)} \oplus 10V^{(1),\varnothing}$
$k = 10:$ $1417V^{\varnothing,\varnothing} \oplus 530V^{\varnothing,(1)} \oplus 18V^{\varnothing,(1,1)} \oplus 646V^{(1),\varnothing} \oplus 187V^{(1),(1)} \oplus 8V^{(2),\varnothing} \oplus 5V^{(1,1),\varnothing}$
$k = 9: \quad 1184V^{\varnothing,\varnothing} \oplus 838V^{\varnothing,(1)} \oplus 214V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1045V^{(1),\varnothing} \oplus 1036V^{(1),(1)} \oplus$ $67V^{(1),(1,1)} \oplus 266V^{(2),\varnothing} \oplus 43V^{(2),(1)} \oplus 138V^{(1,1),\varnothing} \oplus 34V^{(1,1),(1)} \oplus 6V^{(3),\varnothing} \oplus 4V^{(2,1),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 568V^{\varnothing,(1)} \oplus 276V^{\varnothing,(1,1)} \oplus 92V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus$ $704V^{(1),\varnothing} \oplus 1670V^{(1),(1)} \oplus 396V^{(1),(1,1)} \oplus 19V^{(1),(1,1,1)} \oplus 345V^{(2),\varnothing} \oplus 396V^{(2),(1)} \oplus$ $43V^{(2),(1,1)} \oplus 177V^{(1,1),\varnothing} \oplus 328V^{(1,1),(1)} \oplus 34V^{(1,1),(1,1)} \oplus 128V^{(3),\varnothing} \oplus 13V^{(3),(1)} \oplus$ $66V^{(2,1),\varnothing} \oplus 10V^{(2,1),(1)} \oplus 4V^{(4),\varnothing} \oplus 3V^{(3,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 220V^{\varnothing,(1)} \oplus 140V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus$ $245V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 582V^{(1),(1,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus 164V^{(2),\varnothing} \oplus$ $582V^{(2),(1)} \oplus 160V^{(2),(1,1)} \oplus 19V^{(2),(1,1,1)} \oplus 84V^{(1,1),\varnothing} \oplus 516V^{(1,1),(1)} \oplus 130V^{(1,1),(1,1)} \oplus$ $10V^{(1,1),(1,1,1)} \oplus 103V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 13V^{(3),(1,1)} \oplus 53V^{(2,1),\varnothing} \oplus 132V^{(2,1),(1)} \oplus$ $10V^{(2,1),(1,1)} \oplus 54V^{(4),\varnothing} \oplus 5V^{(4),(1)} \oplus 28V^{(3,1),\varnothing} \oplus 4V^{(3,1),(1)} \oplus 2V^{(5),\varnothing} \oplus 2V^{(4,1),\varnothing}$
$k = 6:$ $25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(1,1,1,1)} \oplus 5V^{\varnothing,(1,1,1,1,1)} \oplus V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus$ $368V^{(1),(1,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus$ $206V^{(2),(1,1)} \oplus 64V^{(2),(1,1,1)} \oplus 7V^{(2),(1,1,1,1)} \oplus V^{(1,1),\varnothing} \oplus 344V^{(1,1),(1)} \oplus 184V^{(1,1),(1,1)} \oplus$ $52V^{(1,1),(1,1,1)} \oplus 4V^{(1,1),(1,1,1,1)} \oplus V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 64V^{(3),(1,1)} \oplus 13V^{(3),(1,1,1)} \oplus$ $V^{(2,1),\varnothing} \oplus 168V^{(2,1),(1)} \oplus 52V^{(2,1),(1,1)} \oplus 10V^{(2,1),(1,1,1)} \oplus V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 5V^{(4),(1,1)} \oplus$ $V^{(3,1),\varnothing} \oplus 62V^{(3,1),(1)} \oplus 4V^{(3,1),(1,1)} \oplus V^{(5),\varnothing} \oplus 2V^{(5),(1)} \oplus V^{(4,1),\varnothing} \oplus 2V^{(4,1),(1)} \oplus V^{(5,1),\varnothing}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus$ $V^{(1),(1,1,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 3V^{(2),(1,1,1,1,1)} \oplus$ $120V^{(1,1),(1)} \oplus 102V^{(1,1),(1,1)} \oplus 60V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(1,1,1,1)} \oplus 2V^{(1,1),(1,1,1,1,1)} \oplus$ $80V^{(3),(1)} \oplus 66V^{(3),(1,1)} \oplus 28V^{(3),(1,1,1)} \oplus 7V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 60V^{(2,1),(1,1)} \oplus$ $22V^{(2,1),(1,1,1)} \oplus 4V^{(2,1),(1,1,1,1)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(1,1)} \oplus 5V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus$ $24V^{(3,1),(1,1)} \oplus 4V^{(3,1),(1,1,1)} \oplus 26V^{(5),(1)} \oplus 2V^{(5),(1,1)} \oplus 26V^{(4,1),(1)} \oplus 2V^{(4,1),(1,1)} \oplus V^{(5,1),(1)}$
$k = 4: \quad 24V^{(2),(1,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus$ $V^{(2),(1,1,1,1,1,1)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(1,1,1,1,1)} \oplus$ $V^{(1,1),(1,1,1,1,1,1)} \oplus 24V^{(3),(1,1)} \oplus 22V^{(3),(1,1,1)} \oplus 12V^{(3),(1,1,1,1)} \oplus 3V^{(3),(1,1,1,1,1)} \oplus$ $24V^{(2,1),(1,1)} \oplus 20V^{(2,1),(1,1,1)} \oplus 10V^{(2,1),(1,1,1,1)} \oplus 2V^{(2,1),(1,1,1,1,1)} \oplus 18V^{(4),(1,1)} \oplus$ $12V^{(4),(1,1,1)} \oplus 5V^{(4),(1,1,1,1)} \oplus 18V^{(3,1),(1,1)} \oplus 10V^{(3,1),(1,1,1)} \oplus 4V^{(3,1),(1,1,1,1)} \oplus$ $10V^{(5),(1,1)} \oplus 2V^{(5),(1,1,1)} \oplus 10V^{(4,1),(1,1)} \oplus 2V^{(4,1),(1,1,1)} \oplus V^{(5,1),(1,1)}$
$k = 3: \quad 6V^{(3),(1,1,1)} \oplus 6V^{(3),(1,1,1,1)} \oplus 4V^{(3),(1,1,1,1,1)} \oplus V^{(3),(1,1,1,1,1,1)} \oplus 6V^{(2,1),(1,1,1)} \oplus$ $6V^{(2,1),(1,1,1,1)} \oplus 4V^{(2,1),(1,1,1,1,1)} \oplus V^{(2,1),(1,1,1,1,1,1)} \oplus 6V^{(4),(1,1,1)} \oplus 6V^{(4),(1,1,1,1)} \oplus$ $3V^{(4),(1,1,1,1,1)} \oplus 6V^{(3,1),(1,1,1)} \oplus 5V^{(3,1),(1,1,1,1)} \oplus 2V^{(3,1),(1,1,1,1,1)} \oplus 4V^{(5),(1,1,1)} \oplus$ $2V^{(5),(1,1,1,1)} \oplus 4V^{(4,1),(1,1,1)} \oplus 2V^{(4,1),(1,1,1,1)} \oplus V^{(5,1),(1,1,1)}$
$k = 2: \quad 2V^{(4),(1,1,1,1)} \oplus 2V^{(4),(1,1,1,1,1)} \oplus V^{(4),(1,1,1,1,1,1)} \oplus 2V^{(3,1),(1,1,1,1)} \oplus$ $2V^{(3,1),(1,1,1,1,1)} \oplus V^{(3,1),(1,1,1,1,1,1)} \oplus 2V^{(5),(1,1,1,1)} \oplus 2V^{(5),(1,1,1,1,1)} \oplus 2V^{(4,1),(1,1,1,1)} \oplus$ $2V^{(4,1),(1,1,1,1,1)} \oplus V^{(5,1),(1,1,1,1)}$
$k = 1: \quad V^{(5),(1,1,1,1,1)} \oplus V^{(5),(1,1,1,1,1,1)} \oplus V^{(4,1),(1,1,1,1,1)} \oplus V^{(4,1),(1,1,1,1,1,1)} \oplus V^{(5,1),(1,1,1,1,1)}$
$k = 0: \quad V^{(5,1),(1,1,1,1,1,1)}$

Table 23: Table for $\lambda = (4,2)$, $\mu = (6,)$:

$k = 12: \quad 4V^{\varnothing,\varnothing}$
$k = 11: \quad 805V^{\varnothing,\varnothing} \oplus 63V^{\varnothing,(1)} \oplus 10V^{(1),\varnothing}$
$k = 10: \quad 1441V^{\varnothing,\varnothing} \oplus 642V^{\varnothing,(1)} \oplus 22V^{\varnothing,(2)} \oplus 654V^{(1),\varnothing} \oplus 193V^{(1),(1)} \oplus 8V^{(2),\varnothing} \oplus 6V^{(1,1),\varnothing}$
$k = 9: \quad 1199V^{\varnothing,\varnothing} \oplus 1038V^{\varnothing,(1)} \oplus 254V^{\varnothing,(2)} \oplus 8V^{\varnothing,(3)} \oplus 1051V^{(1),\varnothing} \oplus 1060V^{(1),(1)} \oplus 73V^{(1),(2)} \oplus 286V^{(2),\varnothing} \oplus 45V^{(2),(1)} \oplus 162V^{(1,1),\varnothing} \oplus 42V^{(1,1),(1)} \oplus 5V^{(3),\varnothing} \oplus 5V^{(2,1),\varnothing}$
$k = 8: \quad 633V^{\varnothing,\varnothing} \oplus 728V^{\varnothing,(1)} \oplus 348V^{\varnothing,(2)} \oplus 108V^{\varnothing,(3)} \oplus 3V^{\varnothing,(4)} \oplus 704V^{(1),\varnothing} \oplus 1682V^{(1),(1)} \oplus 408V^{(1),(2)} \oplus 25V^{(1),(3)} \oplus 363V^{(2),\varnothing} \oplus 412V^{(2),(1)} \oplus 45V^{(2),(2)} \oplus 195V^{(1,1),\varnothing} \oplus 356V^{(1,1),(1)} \oplus 42V^{(1,1),(2)} \oplus 128V^{(3),\varnothing} \oplus 13V^{(3),(1)} \oplus 128V^{(2,1),\varnothing} \oplus 13V^{(2,1),(1)} \oplus 2V^{(4),\varnothing} \oplus 3V^{(3,1),\varnothing} \oplus 2V^{(2,2),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 390V^{\varnothing,(1)} \oplus 188V^{\varnothing,(2)} \oplus 104V^{\varnothing,(3)} \oplus 44V^{\varnothing,(4)} \oplus V^{\varnothing,(5)} \oplus 245V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 160V^{(1),(3)} \oplus 7V^{(1),(4)} \oplus 164V^{(2),\varnothing} \oplus 594V^{(2),(1)} \oplus 168V^{(2),(2)} \oplus 21V^{(2),(3)} \oplus 84V^{(1,1),\varnothing} \oplus 528V^{(1,1),(1)} \oplus 144V^{(1,1),(2)} \oplus 18V^{(1,1),(3)} \oplus 103V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 13V^{(3),(2)} \oplus 103V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus 13V^{(2,1),(2)} \oplus 28V^{(4),\varnothing} \oplus 4V^{(4),(1)} \oplus 54V^{(3,1),\varnothing} \oplus 5V^{(3,1),(1)} \oplus 28V^{(2,2),\varnothing} \oplus 4V^{(2,2),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 27V^{\varnothing,(3)} \oplus 18V^{\varnothing,(4)} \oplus 9V^{\varnothing,(5)} \oplus V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 186V^{(1),(3)} \oplus 72V^{(1),(4)} \oplus 3V^{(1),(5)} \oplus V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 210V^{(2),(2)} \oplus 68V^{(2),(3)} \oplus 9V^{(2),(4)} \oplus V^{(1,1),\varnothing} \oplus 344V^{(1,1),(1)} \oplus 188V^{(1,1),(2)} \oplus 56V^{(1,1),(3)} \oplus 6V^{(1,1),(4)} \oplus V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 13V^{(3),(3)} \oplus V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 13V^{(2,1),(3)} \oplus V^{(4),\varnothing} \oplus 62V^{(4),(1)} \oplus 4V^{(4),(2)} \oplus V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 5V^{(3,1),(2)} \oplus V^{(2,2),\varnothing} \oplus 62V^{(2,2),(1)} \oplus 4V^{(2,2),(2)} \oplus V^{(4,1),\varnothing} \oplus 2V^{(4,1),(1)} \oplus V^{(3,2),\varnothing} \oplus 2V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 80V^{(1),(3)} \oplus 50V^{(1),(4)} \oplus 26V^{(1),(5)} \oplus V^{(1),(6)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 66V^{(2),(3)} \oplus 28V^{(2),(4)} \oplus 3V^{(2),(5)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(2)} \oplus 60V^{(1,1),(3)} \oplus 24V^{(1,1),(4)} \oplus 2V^{(1,1),(5)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 28V^{(3),(3)} \oplus 7V^{(3),(4)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 28V^{(2,1),(3)} \oplus 7V^{(2,1),(4)} \oplus 50V^{(4),(1)} \oplus 24V^{(4),(2)} \oplus 4V^{(4),(3)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 5V^{(3,1),(3)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(2)} \oplus 4V^{(2,2),(3)} \oplus 26V^{(4,1),(1)} \oplus 2V^{(4,1),(2)} \oplus 26V^{(3,2),(1)} \oplus 2V^{(3,2),(2)} \oplus V^{(4,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(3)} \oplus 18V^{(2),(4)} \oplus 10V^{(2),(5)} \oplus V^{(2),(6)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(3)} \oplus 18V^{(1,1),(4)} \oplus 10V^{(1,1),(5)} \oplus V^{(1,1),(6)} \oplus 24V^{(3),(2)} \oplus 22V^{(3),(3)} \oplus 12V^{(3),(4)} \oplus 3V^{(3),(5)} \oplus 24V^{(2,1),(2)} \oplus 22V^{(2,1),(3)} \oplus 12V^{(2,1),(4)} \oplus 3V^{(2,1),(5)} \oplus 18V^{(4),(2)} \oplus 10V^{(4),(3)} \oplus 4V^{(4),(4)} \oplus 18V^{(3,1),(2)} \oplus 12V^{(3,1),(3)} \oplus 5V^{(3,1),(4)} \oplus 18V^{(2,2),(2)} \oplus 10V^{(2,2),(3)} \oplus 4V^{(2,2),(4)} \oplus 10V^{(4,1),(2)} \oplus 2V^{(4,1),(3)} \oplus 10V^{(3,2),(2)} \oplus 2V^{(3,2),(3)} \oplus V^{(4,2),(2)}$
$k = 3: \quad 6V^{(3),(3)} \oplus 6V^{(3),(4)} \oplus 4V^{(3),(5)} \oplus V^{(3),(6)} \oplus 6V^{(2,1),(3)} \oplus 6V^{(2,1),(4)} \oplus 4V^{(2,1),(5)} \oplus V^{(2,1),(6)} \oplus 6V^{(4),(3)} \oplus 5V^{(4),(4)} \oplus 2V^{(4),(5)} \oplus 6V^{(3,1),(3)} \oplus 6V^{(3,1),(4)} \oplus 3V^{(3,1),(5)} \oplus 6V^{(2,2),(3)} \oplus 5V^{(2,2),(4)} \oplus 2V^{(2,2),(5)} \oplus 4V^{(4,1),(3)} \oplus 2V^{(4,1),(4)} \oplus 4V^{(3,2),(3)} \oplus 2V^{(3,2),(4)} \oplus V^{(4,2),(3)}$
$k = 2: \quad 2V^{(4),(4)} \oplus 2V^{(4),(5)} \oplus V^{(4),(6)} \oplus 2V^{(3,1),(4)} \oplus 2V^{(3,1),(5)} \oplus V^{(3,1),(6)} \oplus 2V^{(2,2),(4)} \oplus 2V^{(2,2),(5)} \oplus V^{(2,2),(6)} \oplus 2V^{(4,1),(4)} \oplus 2V^{(4,1),(5)} \oplus 2V^{(3,2),(4)} \oplus 2V^{(3,2),(5)} \oplus V^{(4,2),(4)}$
$k = 1: \quad V^{(4,1),(5)} \oplus V^{(4,1),(6)} \oplus V^{(3,2),(5)} \oplus V^{(3,2),(6)} \oplus V^{(4,2),(5)}$
$k = 0: \quad V^{(4,2),(6)}$

Table 24: Table for $\lambda = (4,2)$, $\mu = (5,1)$:

$k = 12: \quad 34V^{\varnothing,\varnothing}$
$k = 11: \quad 1057V^{\varnothing,\varnothing} \oplus 85V^{\varnothing,(1)} \oplus 58V^{(1),\varnothing}$
$k = 10: \quad 1774V^{\varnothing,\varnothing} \oplus 1050V^{\varnothing,(1)} \oplus 30V^{\varnothing,(2)} \oplus 22V^{\varnothing,(1,1)} \oplus 970V^{(1),\varnothing} \oplus 265V^{(1),(1)} \oplus 28V^{(2),\varnothing} \oplus 25V^{(1,1),\varnothing}$
$k = 9: \quad 1400V^{\varnothing,\varnothing} \oplus 1626V^{\varnothing,(1)} \oplus 418V^{\varnothing,(2)} \oplus 254V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 8V^{\varnothing,(2,1)} \oplus 1456V^{(1),\varnothing} \oplus 1444V^{(1),(1)} \oplus 97V^{(1),(2)} \oplus 73V^{(1),(1,1)} \oplus 418V^{(2),\varnothing} \oplus 89V^{(2),(1)} \oplus 274V^{(1,1),\varnothing} \oplus 83V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing}$
$k = 8: \quad 738V^{\varnothing,\varnothing} \oplus 1096V^{\varnothing,(1)} \oplus 534V^{\varnothing,(2)} \oplus 348V^{\varnothing,(1,1)} \oplus 180V^{\varnothing,(3)} \oplus 108V^{\varnothing,(2,1)} \oplus 4V^{\varnothing,(4)} \oplus 3V^{\varnothing,(3,1)} \oplus 936V^{(1),\varnothing} \oplus 2114V^{(1),(1)} \oplus 556V^{(1),(2)} \oplus 408V^{(1),(1,1)} \oplus 31V^{(1),(3)} \oplus 25V^{(1),(2,1)} \oplus 498V^{(2),\varnothing} \oplus 564V^{(2),(1)} \oplus 65V^{(2),(2)} \oplus 45V^{(2),(1,1)} \oplus 312V^{(1,1),\varnothing} \oplus 452V^{(1,1),(1)} \oplus 59V^{(1,1),(2)} \oplus 42V^{(1,1),(1,1)} \oplus 164V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 164V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 165V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 268V^{\varnothing,(2)} \oplus 188V^{\varnothing,(1,1)} \oplus 154V^{\varnothing,(3)} \oplus 104V^{\varnothing,(2,1)} \oplus 70V^{\varnothing,(4)} \oplus 44V^{\varnothing,(3,1)} \oplus V^{\varnothing,(5)} \oplus V^{\varnothing,(4,1)} \oplus 340V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 582V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 160V^{(1),(2,1)} \oplus 9V^{(1),(4)} \oplus 7V^{(1),(3,1)} \oplus 220V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 236V^{(2),(2)} \oplus 168V^{(2),(1,1)} \oplus 29V^{(2),(3)} \oplus 21V^{(2),(2,1)} \oplus 140V^{(1,1),\varnothing} \oplus 606V^{(1,1),(1)} \oplus 188V^{(1,1),(2)} \oplus 144V^{(1,1),(1,1)} \oplus 23V^{(1,1),(3)} \oplus 18V^{(1,1),(2,1)} \oplus 130V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 25V^{(3),(2)} \oplus 13V^{(3),(1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 25V^{(2,1),(2)} \oplus 13V^{(2,1),(1,1)} \oplus 36V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus 62V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 36V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(3)} \oplus 27V^{\varnothing,(2,1)} \oplus 18V^{\varnothing,(4)} \oplus 18V^{\varnothing,(3,1)} \oplus 9V^{\varnothing,(5)} \oplus 9V^{\varnothing,(4,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 186V^{(1),(2,1)} \oplus 92V^{(1),(4)} \oplus 72V^{(1),(3,1)} \oplus 3V^{(1),(5)} \oplus 3V^{(1),(4,1)} \oplus 20V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 210V^{(2),(1,1)} \oplus 96V^{(2),(3)} \oplus 68V^{(2),(2,1)} \oplus 11V^{(2),(4)} \oplus 9V^{(2),(3,1)} \oplus 20V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 214V^{(1,1),(2)} \oplus 188V^{(1,1),(1,1)} \oplus 72V^{(1,1),(3)} \oplus 56V^{(1,1),(2,1)} \oplus 7V^{(1,1),(4)} \oplus 6V^{(1,1),(3,1)} \oplus 15V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 88V^{(3),(2)} \oplus 64V^{(3),(1,1)} \oplus 19V^{(3),(3)} \oplus 13V^{(3),(2,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 88V^{(2,1),(2)} \oplus 64V^{(2,1),(1,1)} \oplus 19V^{(2,1),(3)} \oplus 13V^{(2,1),(2,1)} \oplus 10V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 7V^{(4),(2)} \oplus 4V^{(4),(1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 5V^{(3,1),(1,1)} \oplus 10V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 7V^{(2,2),(2)} \oplus 4V^{(2,2),(1,1)} \oplus 5V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 5V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 26V^{(1),(5)} \oplus 26V^{(1),(4,1)} \oplus V^{(1),(5,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 36V^{(2),(4)} \oplus 28V^{(2),(3,1)} \oplus 3V^{(2),(5)} \oplus 3V^{(2),(4,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 102V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 60V^{(1,1),(2,1)} \oplus 28V^{(1,1),(4)} \oplus 24V^{(1,1),(3,1)} \oplus 2V^{(1,1),(5)} \oplus 2V^{(1,1),(4,1)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 40V^{(3),(3)} \oplus 28V^{(3),(2,1)} \oplus 9V^{(3),(4)} \oplus 7V^{(3),(3,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 40V^{(2,1),(3)} \oplus 28V^{(2,1),(2,1)} \oplus 9V^{(2,1),(4)} \oplus 7V^{(2,1),(3,1)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 24V^{(4),(1,1)} \oplus 7V^{(4),(3)} \oplus 4V^{(4),(2,1)} \oplus 50V^{(3,1),(1)} \oplus 36V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 9V^{(3,1),(3)} \oplus 5V^{(3,1),(2,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 24V^{(2,2),(1,1)} \oplus 7V^{(2,2),(3)} \oplus 4V^{(2,2),(2,1)} \oplus 26V^{(4,1),(1)} \oplus 3V^{(4,1),(2)} \oplus 2V^{(4,1),(1,1)} \oplus 26V^{(3,2),(1)} \oplus 3V^{(3,2),(2)} \oplus 2V^{(3,2),(1,1)} \oplus V^{(4,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 10V^{(2),(5)} \oplus 10V^{(2),(4,1)} \oplus V^{(2),(5,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 10V^{(1,1),(5)} \oplus 10V^{(1,1),(4,1)} \oplus V^{(1,1),(5,1)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 26V^{(3),(3)} \oplus 22V^{(3),(2,1)} \oplus 16V^{(3),(4)} \oplus 12V^{(3),(3,1)} \oplus 3V^{(3),(5)} \oplus 3V^{(3),(4,1)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 26V^{(2,1),(3)} \oplus 22V^{(2,1),(2,1)} \oplus 16V^{(2,1),(4)} \oplus 12V^{(2,1),(3,1)} \oplus 3V^{(2,1),(5)} \oplus 3V^{(2,1),(4,1)} \oplus 18V^{(4),(2)} \oplus 18V^{(4),(1,1)} \oplus 12V^{(4),(3)} \oplus 10V^{(4),(2,1)} \oplus 5V^{(4),(4)} \oplus 4V^{(4),(3,1)} \oplus 18V^{(3,1),(2)} \oplus 18V^{(3,1),(1,1)} \oplus 16V^{(3,1),(3)} \oplus$

Table 25: Table for $\lambda = (4,2)$, $\mu = (4,2)$:

$k = 12: \quad 144V^{\varnothing,\varnothing}$
$k = 11: \quad 1134V^{\varnothing,\varnothing} \oplus 90V^{\varnothing,(1)} \oplus 90V^{(1),\varnothing}$
$k = 10: \quad 1854V^{\varnothing,\varnothing} \oplus 1090V^{\varnothing,(1)} \oplus 32V^{\varnothing,(2)} \oplus 29V^{\varnothing,(1,1)} \oplus 1090V^{(1),\varnothing} \oplus 283V^{(1),(1)} \oplus 32V^{(2),\varnothing} \oplus 29V^{(1,1),\varnothing}$
$k = 9: \quad 1472V^{\varnothing,\varnothing} \oplus 1656V^{\varnothing,(1)} \oplus 458V^{\varnothing,(2)} \oplus 314V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 1656V^{(1),\varnothing} \oplus 1516V^{(1),(1)} \oplus 101V^{(1),(2)} \oplus 95V^{(1),(1,1)} \oplus 458V^{(2),\varnothing} \oplus 101V^{(2),(1)} \oplus 314V^{(1,1),\varnothing} \oplus 95V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing}$
$k = 8: \quad 891V^{\varnothing,\varnothing} \oplus 1096V^{\varnothing,(1)} \oplus 570V^{\varnothing,(2)} \oplus 384V^{\varnothing,(1,1)} \oplus 180V^{\varnothing,(3)} \oplus 180V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 1096V^{(1),\varnothing} \oplus 2150V^{(1),(1)} \oplus 588V^{(1),(2)} \oplus 476V^{(1),(1,1)} \oplus 31V^{(1),(3)} \oplus 31V^{(1),(2,1)} \oplus 570V^{(2),\varnothing} \oplus 588V^{(2),(1)} \oplus 71V^{(2),(2)} \oplus 63V^{(2),(1,1)} \oplus 384V^{(1,1),\varnothing} \oplus 476V^{(1,1),(1)} \oplus 63V^{(1,1),(2)} \oplus 58V^{(1,1),(1,1)} \oplus 180V^{(3),\varnothing} \oplus 31V^{(3),(1)} \oplus 180V^{(2,1),\varnothing} \oplus 31V^{(2,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 282V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 268V^{\varnothing,(2)} \oplus 188V^{\varnothing,(1,1)} \oplus 154V^{\varnothing,(3)} \oplus 154V^{\varnothing,(2,1)} \oplus 44V^{\varnothing,(4)} \oplus 70V^{\varnothing,(3,1)} \oplus 44V^{\varnothing,(2,2)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,2)} \oplus 510V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 606V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 7V^{(1),(4)} \oplus 9V^{(1),(3,1)} \oplus 7V^{(1),(2,2)} \oplus 268V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 260V^{(2),(2)} \oplus 204V^{(2),(1,1)} \oplus 29V^{(2),(3)} \oplus 29V^{(2),(2,1)} \oplus 188V^{(1,1),\varnothing} \oplus 606V^{(1,1),(1)} \oplus 204V^{(1,1),(2)} \oplus 172V^{(1,1),(1,1)} \oplus 23V^{(1,1),(3)} \oplus 23V^{(1,1),(2,1)} \oplus 154V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 29V^{(3),(2)} \oplus 23V^{(3),(1,1)} \oplus 154V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 29V^{(2,1),(2)} \oplus 23V^{(2,1),(1,1)} \oplus 44V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus 70V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 44V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,2),\varnothing}$
$k = 6:$ $81V^{\varnothing,\varnothing} \oplus 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(3)} \oplus 27V^{\varnothing,(2,1)} \oplus 18V^{\varnothing,(4)} \oplus 18V^{\varnothing,(3,1)} \oplus 18V^{\varnothing,(2,2)} \oplus 9V^{\varnothing,(4,1)} \oplus 9V^{\varnothing,(3,2)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,2)} \oplus 54V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 270V^{(2),(2)} \oplus 222V^{(2),(1,1)} \oplus 96V^{(2),(3)} \oplus 96V^{(2),(2,1)} \oplus 9V^{(2),(4)} \oplus 11V^{(2),(3,1)} \oplus 9V^{(2),(2,2)} \oplus 54V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 222V^{(1,1),(2)} \oplus 196V^{(1,1),(1,1)} \oplus 72V^{(1,1),(3)} \oplus 72V^{(1,1),(2,1)} \oplus 6V^{(1,1),(4)} \oplus 7V^{(1,1),(3,1)} \oplus 6V^{(1,1),(2,2)} \oplus 27V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 96V^{(3),(2)} \oplus 72V^{(3),(1,1)} \oplus 19V^{(3),(3)} \oplus 19V^{(3),(2,1)} \oplus 27V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 96V^{(2,1),(2)} \oplus 72V^{(2,1),(1,1)} \oplus 19V^{(2,1),(3)} \oplus 19V^{(2,1),(2,1)} \oplus 18V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 9V^{(4),(2)} \oplus 6V^{(4),(1,1)} \oplus 18V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 11V^{(3,1),(2)} \oplus 7V^{(3,1),(1,1)} \oplus 18V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 9V^{(2,2),(2)} \oplus 6V^{(2,2),(1,1)} \oplus 9V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 9V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(4,2)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 28V^{(2),(4)} \oplus 36V^{(2),(3,1)} \oplus 28V^{(2),(2,2)} \oplus 3V^{(2),(4,1)} \oplus 3V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 102V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 24V^{(1,1),(4)} \oplus 28V^{(1,1),(3,1)} \oplus 24V^{(1,1),(2,2)} \oplus 2V^{(1,1),(4,1)} \oplus 2V^{(1,1),(3,2)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 40V^{(3),(3)} \oplus 40V^{(3),(2,1)} \oplus 7V^{(3),(4)} \oplus 9V^{(3),(3,1)} \oplus 7V^{(3),(2,2)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 40V^{(2,1),(3)} \oplus 40V^{(2,1),(2,1)} \oplus 7V^{(2,1),(4)} \oplus 9V^{(2,1),(3,1)} \oplus 7V^{(2,1),(2,2)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 24V^{(4),(1,1)} \oplus 7V^{(4),(3)} \oplus 7V^{(4),(2,1)} \oplus 50V^{(3,1),(1)} \oplus 36V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 9V^{(3,1),(3)} \oplus 9V^{(3,1),(2,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 24V^{(2,2),(1,1)} \oplus 7V^{(2,2),(3)} \oplus 7V^{(2,2),(2,1)} \oplus 26V^{(4,1),(1)} \oplus 3V^{(4,1),(2)} \oplus 2V^{(4,1),(1,1)} \oplus 26V^{(3,2),(1)} \oplus 3V^{(3,2),(2)} \oplus 2V^{(3,2),(1,1)} \oplus V^{(4,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(4,1)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(4,2)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus 10V^{(1,1),(4,1)} \oplus 10V^{(1,1),(3,2)} \oplus V^{(1,1),(4,2)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 26V^{(3),(3)} \oplus 26V^{(3),(2,1)} \oplus 12V^{(3),(4)} \oplus$

Table 26: Table for $\lambda = (4,2)$, $\mu = (4,1,1)$:

$k = 12: \quad 34V^{\varnothing,\varnothing}$
$k = 11: \quad 1102V^{\varnothing,\varnothing} \oplus 92V^{\varnothing,(1)} \oplus 114V^{(1),\varnothing}$
$k = 10: \quad 1864V^{\varnothing,\varnothing} \oplus 1170V^{\varnothing,(1)} \oplus 32V^{\varnothing,(2)} \oplus 30V^{\varnothing,(1,1)} \oplus 1160V^{(1),\varnothing} \oplus 287V^{(1),(1)} \oplus 39V^{(2),\varnothing} \oplus 36V^{(1,1),\varnothing}$
$k = 9: \quad 1490V^{\varnothing,\varnothing} \oplus 1764V^{\varnothing,(1)} \oplus 458V^{\varnothing,(2)} \oplus 418V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1724V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 101V^{(1),(2)} \oplus 97V^{(1),(1,1)} \oplus 476V^{(2),\varnothing} \oplus 107V^{(2),(1)} \oplus 332V^{(1,1),\varnothing} \oplus 99V^{(1,1),(1)} \oplus 12V^{(3),\varnothing} \oplus 12V^{(2,1),\varnothing}$
$k = 8: \quad 828V^{\varnothing,\varnothing} \oplus 1144V^{\varnothing,(1)} \oplus 570V^{\varnothing,(2)} \oplus 534V^{\varnothing,(1,1)} \oplus 180V^{\varnothing,(3)} \oplus 180V^{\varnothing,(2,1)} \oplus 108V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 1296V^{(1),\varnothing} \oplus 2222V^{(1),(1)} \oplus 588V^{(1),(2)} \oplus 556V^{(1),(1,1)} \oplus 31V^{(1),(3)} \oplus 31V^{(1),(2,1)} \oplus 25V^{(1),(1,1,1)} \oplus 588V^{(2),\varnothing} \oplus 636V^{(2),(1)} \oplus 71V^{(2),(2)} \oplus 65V^{(2),(1,1)} \oplus 402V^{(1,1),\varnothing} \oplus 508V^{(1,1),(1)} \oplus 63V^{(1,1),(2)} \oplus 59V^{(1,1),(1,1)} \oplus 184V^{(3),\varnothing} \oplus 35V^{(3),(1)} \oplus 184V^{(2,1),\varnothing} \oplus 35V^{(2,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 210V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 268V^{\varnothing,(2)} \oplus 268V^{\varnothing,(1,1)} \oplus 154V^{\varnothing,(3)} \oplus 154V^{\varnothing,(2,1)} \oplus 104V^{\varnothing,(1,1,1)} \oplus 44V^{\varnothing,(4)} \oplus 70V^{\varnothing,(3,1)} \oplus 44V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(4)} \oplus 9V^{(1),(3,1)} \oplus 7V^{(1),(2,1,1)} \oplus 320V^{(2),\varnothing} \oplus 774V^{(2),(1)} \oplus 260V^{(2),(2)} \oplus 236V^{(2),(1,1)} \oplus 29V^{(2),(3)} \oplus 29V^{(2),(2,1)} \oplus 21V^{(2),(1,1,1)} \oplus 240V^{(1,1),\varnothing} \oplus 630V^{(1,1),(1)} \oplus 204V^{(1,1),(2)} \oplus 188V^{(1,1),(1,1)} \oplus 23V^{(1,1),(3)} \oplus 23V^{(1,1),(2,1)} \oplus 18V^{(1,1),(1,1,1)} \oplus 160V^{(3),\varnothing} \oplus 232V^{(3),(1)} \oplus 29V^{(3),(2)} \oplus 25V^{(3),(1,1)} \oplus 160V^{(2,1),\varnothing} \oplus 232V^{(2,1),(1)} \oplus 29V^{(2,1),(2)} \oplus 25V^{(2,1),(1,1)} \oplus 46V^{(4),\varnothing} \oplus 9V^{(4),(1)} \oplus 72V^{(3,1),\varnothing} \oplus 11V^{(3,1),(1)} \oplus 46V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(3)} \oplus 27V^{\varnothing,(2,1)} \oplus 27V^{\varnothing,(1,1,1)} \oplus 18V^{\varnothing,(4)} \oplus 18V^{\varnothing,(3,1)} \oplus 18V^{\varnothing,(2,1,1)} \oplus 9V^{\varnothing,(4,1)} \oplus 9V^{\varnothing,(3,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,1,1)} \oplus 70V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 270V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 96V^{(2),(3)} \oplus 96V^{(2),(2,1)} \oplus 68V^{(2),(1,1,1)} \oplus 9V^{(2),(4)} \oplus 11V^{(2),(3,1)} \oplus 9V^{(2),(2,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 222V^{(1,1),(2)} \oplus 214V^{(1,1),(1,1)} \oplus 72V^{(1,1),(3)} \oplus 72V^{(1,1),(2,1)} \oplus 56V^{(1,1),(1,1,1)} \oplus 6V^{(1,1),(4)} \oplus 7V^{(1,1),(3,1)} \oplus 6V^{(1,1),(2,1,1)} \oplus 40V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 96V^{(3),(2)} \oplus 88V^{(3),(1,1)} \oplus 19V^{(3),(3)} \oplus 19V^{(3),(2,1)} \oplus 13V^{(3),(1,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 96V^{(2,1),(2)} \oplus 88V^{(2,1),(1,1)} \oplus 19V^{(2,1),(3)} \oplus 19V^{(2,1),(2,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus 20V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 9V^{(4),(2)} \oplus 7V^{(4),(1,1)} \oplus 20V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 11V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 20V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 9V^{(2,2),(2)} \oplus 7V^{(2,2),(1,1)} \oplus 10V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 10V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,1,1)} \oplus V^{(1),(4,1,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(4)} \oplus 36V^{(2),(3,1)} \oplus 28V^{(2),(2,1,1)} \oplus 3V^{(2),(4,1)} \oplus 3V^{(2),(3,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 60V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(4)} \oplus 28V^{(1,1),(3,1)} \oplus 24V^{(1,1),(2,1,1)} \oplus 2V^{(1,1),(4,1)} \oplus 2V^{(1,1),(3,1,1)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 40V^{(3),(3)} \oplus 40V^{(3),(2,1)} \oplus 28V^{(3),(1,1,1)} \oplus 7V^{(3),(4)} \oplus 9V^{(3),(3,1)} \oplus 7V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 40V^{(2,1),(3)} \oplus 40V^{(2,1),(2,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(4)} \oplus 9V^{(2,1),(3,1)} \oplus 7V^{(2,1),(2,1,1)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 7V^{(4),(3)} \oplus 7V^{(4),(2,1)} \oplus 4V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 36V^{(3,1),(2)} \oplus 36V^{(3,1),(1,1)} \oplus 9V^{(3,1),(3)} \oplus 9V^{(3,1),(2,1)} \oplus 5V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 7V^{(2,2),(3)} \oplus 7V^{(2,2),(2,1)} \oplus 4V^{(2,2),(1,1,1)} \oplus 26V^{(4,1),(1)} \oplus 3V^{(4,1),(2)} \oplus 3V^{(4,1),(1,1)} \oplus 26V^{(3,2),(1)} \oplus 3V^{(3,2),(2)} \oplus 3V^{(3,2),(1,1)} \oplus V^{(4,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(4)} \oplus$

Table 27: Table for $\lambda = (4,2)$, $\mu = (3,3)$:

$k = 12: \quad 46V^{\varnothing,\varnothing}$
$k = 11: \quad 1078V^{\varnothing,\varnothing} \oplus 71V^{\varnothing,(1)} \oplus 72V^{(1),\varnothing}$
$k = 10: \quad 1780V^{\varnothing,\varnothing} \oplus 1022V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 24V^{\varnothing,(1,1)} \oplus 982V^{(1),\varnothing} \oplus 217V^{(1),(1)} \oplus 31V^{(2),\varnothing} \oplus 28V^{(1,1),\varnothing}$
$k = 9: \quad 1400V^{\varnothing,\varnothing} \oplus 1626V^{\varnothing,(1)} \oplus 398V^{\varnothing,(2)} \oplus 294V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(3)} \oplus 9V^{\varnothing,(2,1)} \oplus 1456V^{(1),\varnothing} \oplus 1396V^{(1),(1)} \oplus 79V^{(1),(2)} \oplus 77V^{(1),(1,1)} \oplus 418V^{(2),\varnothing} \oplus 65V^{(2),(1)} \oplus 274V^{(1,1),\varnothing} \oplus 59V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing}$
$k = 8: \quad 738V^{\varnothing,\varnothing} \oplus 1096V^{\varnothing,(1)} \oplus 534V^{\varnothing,(2)} \oplus 384V^{\varnothing,(1,1)} \oplus 108V^{\varnothing,(3)} \oplus 160V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 936V^{(1),\varnothing} \oplus 2114V^{(1),(1)} \oplus 520V^{(1),(2)} \oplus 440V^{(1),(1,1)} \oplus 25V^{(1),(3)} \oplus 27V^{(1),(2,1)} \oplus 498V^{(2),\varnothing} \oplus 564V^{(2),(1)} \oplus 53V^{(2),(2)} \oplus 51V^{(2),(1,1)} \oplus 312V^{(1,1),\varnothing} \oplus 452V^{(1,1),(1)} \oplus 47V^{(1,1),(2)} \oplus 46V^{(1,1),(1,1)} \oplus 164V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 164V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 165V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 268V^{\varnothing,(2)} \oplus 188V^{\varnothing,(1,1)} \oplus 104V^{\varnothing,(3)} \oplus 154V^{\varnothing,(2,1)} \oplus 44V^{\varnothing,(3,1)} \oplus 44V^{\varnothing,(2,2)} \oplus V^{\varnothing,(3,2)} \oplus 365V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 606V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 200V^{(1),(2,1)} \oplus 7V^{(1),(3,1)} \oplus 7V^{(1),(2,2)} \oplus 220V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 224V^{(2),(2)} \oplus 192V^{(2),(1,1)} \oplus 21V^{(2),(3)} \oplus 23V^{(2),(2,1)} \oplus 140V^{(1,1),\varnothing} \oplus 606V^{(1,1),(1)} \oplus 176V^{(1,1),(2)} \oplus 160V^{(1,1),(1,1)} \oplus 18V^{(1,1),(3)} \oplus 19V^{(1,1),(2,1)} \oplus 130V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 19V^{(3),(2)} \oplus 17V^{(3),(1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 19V^{(2,1),(2)} \oplus 17V^{(2,1),(1,1)} \oplus 36V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus 62V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 36V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,2),\varnothing}$
$k = 6:$ $81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(3)} \oplus 27V^{\varnothing,(2,1)} \oplus 18V^{\varnothing,(3,1)} \oplus 18V^{\varnothing,(2,2)} \oplus 9V^{\varnothing,(3,2)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(3,2)} \oplus 25V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 222V^{(2),(1,1)} \oplus 68V^{(2),(3)} \oplus 84V^{(2),(2,1)} \oplus 9V^{(2),(3,1)} \oplus 9V^{(2),(2,2)} \oplus 25V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 214V^{(1,1),(2)} \oplus 196V^{(1,1),(1,1)} \oplus 56V^{(1,1),(3)} \oplus 64V^{(1,1),(2,1)} \oplus 6V^{(1,1),(3,1)} \oplus 6V^{(1,1),(2,2)} \oplus 15V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 88V^{(3),(2)} \oplus 72V^{(3),(1,1)} \oplus 13V^{(3),(3)} \oplus 15V^{(3),(2,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 88V^{(2,1),(2)} \oplus 72V^{(2,1),(1,1)} \oplus 13V^{(2,1),(3)} \oplus 15V^{(2,1),(2,1)} \oplus 10V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 7V^{(4),(2)} \oplus 6V^{(4),(1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 7V^{(3,1),(1,1)} \oplus 10V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 7V^{(2,2),(2)} \oplus 6V^{(2,2),(1,1)} \oplus 5V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 5V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(3,3)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 28V^{(2),(3,1)} \oplus 28V^{(2),(2,2)} \oplus 3V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 102V^{(1,1),(1,1)} \oplus 60V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 24V^{(1,1),(3,1)} \oplus 24V^{(1,1),(2,2)} \oplus 2V^{(1,1),(3,2)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 28V^{(3),(3)} \oplus 36V^{(3),(2,1)} \oplus 7V^{(3),(3,1)} \oplus 7V^{(3),(2,2)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 28V^{(2,1),(3)} \oplus 36V^{(2,1),(2,1)} \oplus 7V^{(2,1),(3,1)} \oplus 7V^{(2,1),(2,2)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 24V^{(4),(1,1)} \oplus 4V^{(4),(3)} \oplus 5V^{(4),(2,1)} \oplus 50V^{(3,1),(1)} \oplus 36V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 5V^{(3,1),(3)} \oplus 7V^{(3,1),(2,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 24V^{(2,2),(1,1)} \oplus 4V^{(2,2),(3)} \oplus 5V^{(2,2),(2,1)} \oplus 26V^{(4,1),(1)} \oplus 3V^{(4,1),(2)} \oplus 2V^{(4,1),(1,1)} \oplus 26V^{(3,2),(1)} \oplus 3V^{(3,2),(2)} \oplus 2V^{(3,2),(1,1)} \oplus V^{(4,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(3,3)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus 10V^{(1,1),(3,2)} \oplus V^{(1,1),(3,3)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 22V^{(3),(3)} \oplus 26V^{(3),(2,1)} \oplus 12V^{(3),(3,1)} \oplus 12V^{(3),(2,2)} \oplus 3V^{(3),(3,2)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(3)} \oplus 26V^{(2,1),(2,1)} \oplus 12V^{(2,1),(3,1)} \oplus 12V^{(2,1),(2,2)} \oplus 3V^{(2,1),(3,2)} \oplus 18V^{(4),(2)} \oplus 18V^{(4),(1,1)} \oplus 10V^{(4),(3)} \oplus 12V^{(4),(2,1)} \oplus 4V^{(4),(3,1)} \oplus 4V^{(4),(2,2)} \oplus 18V^{(3,1),(2)} \oplus 18V^{(3,1),(1,1)} \oplus 12V^{(3,1),(3)} \oplus 16V^{(3,1),(2,1)} \oplus 5V^{(3,1),(3,1)} \oplus$

Table 28: Table for $\lambda = (4,2)$, $\mu = (3,2,1)$:

$k = 12: \quad 46V^{\varnothing,\varnothing}$
$k = 11: \quad 1177V^{\varnothing,\varnothing} \oplus 106V^{\varnothing,(1)} \oplus 154V^{(1),\varnothing}$
$k = 10: \quad 1978V^{\varnothing,\varnothing} \oplus 1198V^{\varnothing,(1)} \oplus 37V^{\varnothing,(2)} \oplus 37V^{\varnothing,(1,1)} \oplus 1328V^{(1),\varnothing} \oplus 335V^{(1),(1)} \oplus 42V^{(2),\varnothing} \oplus 39V^{(1,1),\varnothing}$
$k = 9: \quad 1598V^{\varnothing,\varnothing} \oplus 1764V^{\varnothing,(1)} \oplus 478V^{\varnothing,(2)} \oplus 478V^{\varnothing,(1,1)} \oplus 10V^{\varnothing,(3)} \oplus 14V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(1,1,1)} \oplus 2024V^{(1),\varnothing} \oplus 1628V^{(1),(1)} \oplus 119V^{(1),(2)} \oplus 119V^{(1),(1,1)} \oplus 536V^{(2),\varnothing} \oplus 131V^{(2),(1)} \oplus 392V^{(1,1),\varnothing} \oplus 123V^{(1,1),(1)} \oplus 12V^{(3),\varnothing} \oplus 12V^{(2,1),\varnothing}$
$k = 8: \quad 936V^{\varnothing,\varnothing} \oplus 1144V^{\varnothing,(1)} \oplus 570V^{\varnothing,(2)} \oplus 570V^{\varnothing,(1,1)} \oplus 128V^{\varnothing,(3)} \oplus 252V^{\varnothing,(2,1)} \oplus 128V^{\varnothing,(1,1,1)} \oplus 4V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 1632V^{(1),\varnothing} \oplus 2222V^{(1),(1)} \oplus 624V^{(1),(2)} \oplus 624V^{(1),(1,1)} \oplus 29V^{(1),(3)} \oplus 37V^{(1),(2,1)} \oplus 29V^{(1),(1,1,1)} \oplus 696V^{(2),\varnothing} \oplus 636V^{(2),(1)} \oplus 83V^{(2),(2)} \oplus 83V^{(2),(1,1)} \oplus 510V^{(1,1),\varnothing} \oplus 508V^{(1,1),(1)} \oplus 75V^{(1,1),(2)} \oplus 75V^{(1,1),(1,1)} \oplus 208V^{(3),\varnothing} \oplus 35V^{(3),(1)} \oplus 208V^{(2,1),\varnothing} \oplus 35V^{(2,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7:$ $264V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 268V^{\varnothing,(2)} \oplus 268V^{\varnothing,(1,1)} \oplus 104V^{\varnothing,(3)} \oplus 204V^{\varnothing,(2,1)} \oplus 104V^{\varnothing,(1,1,1)} \oplus 70V^{\varnothing,(3,1)} \oplus 70V^{\varnothing,(2,2)} \oplus 70V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(3,2)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 880V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 176V^{(1),(3)} \oplus 272V^{(1),(2,1)} \oplus 176V^{(1),(1,1,1)} \oplus 9V^{(1),(3,1)} \oplus 9V^{(1),(2,2)} \oplus 9V^{(1),(2,1,1)} \oplus 416V^{(2),\varnothing} \oplus 774V^{(2),(1)} \oplus 272V^{(2),(2)} \oplus 272V^{(2),(1,1)} \oplus 27V^{(2),(3)} \oplus 37V^{(2),(2,1)} \oplus 27V^{(2),(1,1,1)} \oplus 336V^{(1,1),\varnothing} \oplus 630V^{(1,1),(1)} \oplus 216V^{(1,1),(2)} \oplus 216V^{(1,1),(1,1)} \oplus 22V^{(1,1),(3)} \oplus 28V^{(1,1),(2,1)} \oplus 22V^{(1,1),(1,1,1)} \oplus 196V^{(3),\varnothing} \oplus 232V^{(3),(1)} \oplus 35V^{(3),(2)} \oplus 35V^{(3),(1,1)} \oplus 196V^{(2,1),\varnothing} \oplus 232V^{(2,1),(1)} \oplus 35V^{(2,1),(2)} \oplus 35V^{(2,1),(1,1)} \oplus 58V^{(4),\varnothing} \oplus 9V^{(4),(1)} \oplus 84V^{(3,1),\varnothing} \oplus 11V^{(3,1),(1)} \oplus 58V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(3)} \oplus 27V^{\varnothing,(2,1)} \oplus 27V^{\varnothing,(1,1,1)} \oplus 18V^{\varnothing,(3,1)} \oplus 18V^{\varnothing,(2,2)} \oplus 18V^{\varnothing,(2,1,1)} \oplus 9V^{\varnothing,(3,2)} \oplus 9V^{\varnothing,(3,1,1)} \oplus 9V^{\varnothing,(2,2,1)} \oplus 256V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 258V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 92V^{(1),(3,1)} \oplus 92V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 3V^{(1),(3,2)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 128V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 270V^{(2),(2)} \oplus 270V^{(2),(1,1)} \oplus 80V^{(2),(3)} \oplus 124V^{(2),(2,1)} \oplus 80V^{(2),(1,1,1)} \oplus 11V^{(2),(3,1)} \oplus 11V^{(2),(2,2)} \oplus 11V^{(2),(2,1,1)} \oplus 128V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 222V^{(1,1),(2)} \oplus 222V^{(1,1),(1,1)} \oplus 64V^{(1,1),(3)} \oplus 88V^{(1,1),(2,1)} \oplus 64V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(3,1)} \oplus 7V^{(1,1),(2,2)} \oplus 7V^{(1,1),(2,1,1)} \oplus 64V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 96V^{(3),(2)} \oplus 96V^{(3),(1,1)} \oplus 17V^{(3),(3)} \oplus 25V^{(3),(2,1)} \oplus 17V^{(3),(1,1,1)} \oplus 64V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 96V^{(2,1),(2)} \oplus 96V^{(2,1),(1,1)} \oplus 17V^{(2,1),(3)} \oplus 25V^{(2,1),(2,1)} \oplus 17V^{(2,1),(1,1,1)} \oplus 32V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 9V^{(4),(2)} \oplus 9V^{(4),(1,1)} \oplus 32V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 11V^{(3,1),(2)} \oplus 11V^{(3,1),(1,1)} \oplus 32V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 9V^{(2,2),(2)} \oplus 9V^{(2,2),(1,1)} \oplus 16V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 16V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(3,2)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(3,2,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 90V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 36V^{(2),(3,1)} \oplus 36V^{(2),(2,2)} \oplus 36V^{(2),(2,1,1)} \oplus 3V^{(2),(3,2)} \oplus 3V^{(2),(3,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 60V^{(1,1),(3)} \oplus 72V^{(1,1),(2,1)} \oplus 60V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,2)} \oplus 28V^{(1,1),(2,1,1)} \oplus 2V^{(1,1),(3,2)} \oplus 2V^{(1,1),(3,1,1)} \oplus 2V^{(1,1),(2,2,1)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 32V^{(3),(3)} \oplus 52V^{(3),(2,1)} \oplus 32V^{(3),(1,1,1)} \oplus 9V^{(3),(3,1)} \oplus 9V^{(3),(2,2)} \oplus 9V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 32V^{(2,1),(3)} \oplus 52V^{(2,1),(2,1)} \oplus 32V^{(2,1),(1,1,1)} \oplus 9V^{(2,1),(3,1)} \oplus 9V^{(2,1),(2,2)} \oplus 9V^{(2,1),(2,1,1)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 6V^{(4),(3)} \oplus 10V^{(4),(2,1)} \oplus 6V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 36V^{(3,1),(2)} \oplus 36V^{(3,1),(1,1)} \oplus 7V^{(3,1),(3)} \oplus 13V^{(3,1),(2,1)} \oplus 7V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 6V^{(2,2),(3)} \oplus 10V^{(2,2),(2,1)} \oplus 6V^{(2,2),(1,1,1)} \oplus 26V^{(4,1),(1)} \oplus 3V^{(4,1),(2)} \oplus 3V^{(4,1),(1,1)} \oplus 26V^{(3,2),(1)} \oplus 3V^{(3,2),(2)} \oplus 3V^{(3,2),(1,1)} \oplus V^{(4,2),(1)}$
[illegible]

Table 29: Table for $\lambda = (4,2)$, $\mu = (3,1,1,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1082V^{\varnothing,\varnothing} \oplus 92V^{\varnothing,(1)} \oplus 114V^{(1),\varnothing}$
$k = 10: \quad 1862V^{\varnothing,\varnothing} \oplus 1170V^{\varnothing,(1)} \oplus 30V^{\varnothing,(2)} \oplus 32V^{\varnothing,(1,1)} \oplus 1160V^{(1),\varnothing} \oplus 287V^{(1),(1)} \oplus 39V^{(2),\varnothing} \oplus 36V^{(1,1),\varnothing}$
$k = 9: \quad 1490V^{\varnothing,\varnothing} \oplus 1764V^{\varnothing,(1)} \oplus 418V^{\varnothing,(2)} \oplus 458V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1724V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 97V^{(1),(2)} \oplus 101V^{(1),(1,1)} \oplus 476V^{(2),\varnothing} \oplus 107V^{(2),(1)} \oplus 332V^{(1,1),\varnothing} \oplus 99V^{(1,1),(1)} \oplus 12V^{(3),\varnothing} \oplus 12V^{(2,1),\varnothing}$
$k = 8:$ $738V^{\varnothing,\varnothing} \oplus 1144V^{\varnothing,(1)} \oplus 534V^{\varnothing,(2)} \oplus 570V^{\varnothing,(1,1)} \oplus 108V^{\varnothing,(3)} \oplus 180V^{\varnothing,(2,1)} \oplus 180V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1296V^{(1),\varnothing} \oplus 2222V^{(1),(1)} \oplus 556V^{(1),(2)} \oplus 588V^{(1),(1,1)} \oplus 25V^{(1),(3)} \oplus 31V^{(1),(2,1)} \oplus 31V^{(1),(1,1,1)} \oplus 588V^{(2),\varnothing} \oplus 636V^{(2),(1)} \oplus 65V^{(2),(2)} \oplus 71V^{(2),(1,1)} \oplus 402V^{(1,1),\varnothing} \oplus 508V^{(1,1),(1)} \oplus 59V^{(1,1),(2)} \oplus 63V^{(1,1),(1,1)} \oplus 184V^{(3),\varnothing} \oplus 35V^{(3),(1)} \oplus 184V^{(2,1),\varnothing} \oplus 35V^{(2,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7:$ $120V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 268V^{\varnothing,(2)} \oplus 268V^{\varnothing,(1,1)} \oplus 104V^{\varnothing,(3)} \oplus 154V^{\varnothing,(2,1)} \oplus 154V^{\varnothing,(1,1,1)} \oplus 44V^{\varnothing,(3,1)} \oplus 70V^{\varnothing,(2,1,1)} \oplus 44V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(3,1)} \oplus 9V^{(1),(2,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus 320V^{(2),\varnothing} \oplus 774V^{(2),(1)} \oplus 236V^{(2),(2)} \oplus 260V^{(2),(1,1)} \oplus 21V^{(2),(3)} \oplus 29V^{(2),(2,1)} \oplus 29V^{(2),(1,1,1)} \oplus 240V^{(1,1),\varnothing} \oplus 630V^{(1,1),(1)} \oplus 188V^{(1,1),(2)} \oplus 204V^{(1,1),(1,1)} \oplus 18V^{(1,1),(3)} \oplus 23V^{(1,1),(2,1)} \oplus 23V^{(1,1),(1,1,1)} \oplus 160V^{(3),\varnothing} \oplus 232V^{(3),(1)} \oplus 25V^{(3),(2)} \oplus 29V^{(3),(1,1)} \oplus 160V^{(2,1),\varnothing} \oplus 232V^{(2,1),(1)} \oplus 25V^{(2,1),(2)} \oplus 29V^{(2,1),(1,1)} \oplus 46V^{(4),\varnothing} \oplus 9V^{(4),(1)} \oplus 72V^{(3,1),\varnothing} \oplus 11V^{(3,1),(1)} \oplus 46V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(3)} \oplus 27V^{\varnothing,(2,1)} \oplus 27V^{\varnothing,(1,1,1)} \oplus 18V^{\varnothing,(3,1)} \oplus 18V^{\varnothing,(2,1,1)} \oplus 18V^{\varnothing,(1,1,1,1)} \oplus 9V^{\varnothing,(3,1,1)} \oplus 9V^{\varnothing,(2,1,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(3,1)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 70V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 270V^{(2),(1,1)} \oplus 68V^{(2),(3)} \oplus 96V^{(2),(2,1)} \oplus 96V^{(2),(1,1,1)} \oplus 9V^{(2),(3,1)} \oplus 11V^{(2),(2,1,1)} \oplus 9V^{(2),(1,1,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 214V^{(1,1),(2)} \oplus 222V^{(1,1),(1,1)} \oplus 56V^{(1,1),(3)} \oplus 72V^{(1,1),(2,1)} \oplus 72V^{(1,1),(1,1,1)} \oplus 6V^{(1,1),(3,1)} \oplus 7V^{(1,1),(2,1,1)} \oplus 6V^{(1,1),(1,1,1,1)} \oplus 40V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 88V^{(3),(2)} \oplus 96V^{(3),(1,1)} \oplus 13V^{(3),(3)} \oplus 19V^{(3),(2,1)} \oplus 19V^{(3),(1,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 88V^{(2,1),(2)} \oplus 96V^{(2,1),(1,1)} \oplus 13V^{(2,1),(3)} \oplus 19V^{(2,1),(2,1)} \oplus 19V^{(2,1),(1,1,1)} \oplus 20V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 7V^{(4),(2)} \oplus 9V^{(4),(1,1)} \oplus 20V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 11V^{(3,1),(1,1)} \oplus 20V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 7V^{(2,2),(2)} \oplus 9V^{(2,2),(1,1)} \oplus 10V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 10V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(3,1,1,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(3,1)} \oplus 36V^{(2),(2,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 3V^{(2),(3,1,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 60V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,1,1)} \oplus 24V^{(1,1),(1,1,1,1)} \oplus 2V^{(1,1),(3,1,1)} \oplus 2V^{(1,1),(2,1,1,1)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 28V^{(3),(3)} \oplus 40V^{(3),(2,1)} \oplus 40V^{(3),(1,1,1)} \oplus 7V^{(3),(3,1)} \oplus 9V^{(3),(2,1,1)} \oplus 7V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 28V^{(2,1),(3)} \oplus 40V^{(2,1),(2,1)} \oplus 40V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(3,1)} \oplus 9V^{(2,1),(2,1,1)} \oplus 7V^{(2,1),(1,1,1,1)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 4V^{(4),(3)} \oplus 7V^{(4),(2,1)} \oplus 7V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 36V^{(3,1),(2)} \oplus 36V^{(3,1),(1,1)} \oplus 5V^{(3,1),(3)} \oplus 9V^{(3,1),(2,1)} \oplus 9V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 4V^{(2,2),(3)} \oplus 7V^{(2,2),(2,1)} \oplus 7V^{(2,2),(1,1,1)} \oplus 26V^{(4,1),(1)} \oplus 3V^{(4,1),(2)} \oplus 3V^{(4,1),(1,1)} \oplus 26V^{(3,2),(1)} \oplus 3V^{(3,2),(2)} \oplus 3V^{(3,2),(1,1)} \oplus V^{(4,2),(1)}$

Table 30: Table for $\lambda = (4,2)$, $\mu = (2,2,2)$:

$k = 12: \quad 11V^{\varnothing,\varnothing}$
$k = 11: \quad 1001V^{\varnothing,\varnothing} \oplus 71V^{\varnothing,(1)} \oplus 72V^{(1),\varnothing}$
$k = 10: \quad 1744V^{\varnothing,\varnothing} \oplus 1022V^{\varnothing,(1)} \oplus 24V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 982V^{(1),\varnothing} \oplus 217V^{(1),(1)} \oplus 31V^{(2),\varnothing} \oplus 28V^{(1,1),\varnothing}$
$k = 9: \quad 1349V^{\varnothing,\varnothing} \oplus 1626V^{\varnothing,(1)} \oplus 294V^{\varnothing,(2)} \oplus 398V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(2,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1456V^{(1),\varnothing} \oplus 1396V^{(1),(1)} \oplus 77V^{(1),(2)} \oplus 79V^{(1),(1,1)} \oplus 418V^{(2),\varnothing} \oplus 65V^{(2),(1)} \oplus 274V^{(1,1),\varnothing} \oplus 59V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing}$
$k = 8: \quad 693V^{\varnothing,\varnothing} \oplus 1096V^{\varnothing,(1)} \oplus 384V^{\varnothing,(2)} \oplus 534V^{\varnothing,(1,1)} \oplus 160V^{\varnothing,(2,1)} \oplus 108V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 936V^{(1),\varnothing} \oplus 2114V^{(1),(1)} \oplus 440V^{(1),(2)} \oplus 520V^{(1),(1,1)} \oplus 27V^{(1),(2,1)} \oplus 25V^{(1),(1,1,1)} \oplus 498V^{(2),\varnothing} \oplus 564V^{(2),(1)} \oplus 51V^{(2),(2)} \oplus 53V^{(2),(1,1)} \oplus 312V^{(1,1),\varnothing} \oplus 452V^{(1,1),(1)} \oplus 46V^{(1,1),(2)} \oplus 47V^{(1,1),(1,1)} \oplus 164V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 164V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 188V^{\varnothing,(2)} \oplus 268V^{\varnothing,(1,1)} \oplus 154V^{\varnothing,(2,1)} \oplus 104V^{\varnothing,(1,1,1)} \oplus 44V^{\varnothing,(2,2)} \oplus 44V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 365V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 606V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 200V^{(1),(2,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(2,2)} \oplus 7V^{(1),(2,1,1)} \oplus 220V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 192V^{(2),(2)} \oplus 224V^{(2),(1,1)} \oplus 23V^{(2),(2,1)} \oplus 21V^{(2),(1,1,1)} \oplus 140V^{(1,1),\varnothing} \oplus 606V^{(1,1),(1)} \oplus 160V^{(1,1),(2)} \oplus 176V^{(1,1),(1,1)} \oplus 19V^{(1,1),(2,1)} \oplus 18V^{(1,1),(1,1,1)} \oplus 130V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 17V^{(3),(2)} \oplus 19V^{(3),(1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 17V^{(2,1),(2)} \oplus 19V^{(2,1),(1,1)} \oplus 36V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus 62V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 36V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(2,1)} \oplus 27V^{\varnothing,(1,1,1)} \oplus 18V^{\varnothing,(2,2)} \oplus 18V^{\varnothing,(2,1,1)} \oplus 9V^{\varnothing,(2,2,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 25V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 222V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 84V^{(2),(2,1)} \oplus 68V^{(2),(1,1,1)} \oplus 9V^{(2),(2,2)} \oplus 9V^{(2),(2,1,1)} \oplus 25V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 196V^{(1,1),(2)} \oplus 214V^{(1,1),(1,1)} \oplus 64V^{(1,1),(2,1)} \oplus 56V^{(1,1),(1,1,1)} \oplus 6V^{(1,1),(2,2)} \oplus 6V^{(1,1),(2,1,1)} \oplus 15V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 72V^{(3),(2)} \oplus 88V^{(3),(1,1)} \oplus 15V^{(3),(2,1)} \oplus 13V^{(3),(1,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 72V^{(2,1),(2)} \oplus 88V^{(2,1),(1,1)} \oplus 15V^{(2,1),(2,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus 10V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 6V^{(4),(2)} \oplus 7V^{(4),(1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 7V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 10V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 6V^{(2,2),(2)} \oplus 7V^{(2,2),(1,1)} \oplus 5V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 5V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(2,2,2)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(2,2)} \oplus 28V^{(2),(2,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(2,1)} \oplus 60V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(2,2)} \oplus 24V^{(1,1),(2,1,1)} \oplus 2V^{(1,1),(2,2,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 36V^{(3),(2,1)} \oplus 28V^{(3),(1,1,1)} \oplus 7V^{(3),(2,2)} \oplus 7V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 36V^{(2,1),(2,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(2,2)} \oplus 7V^{(2,1),(2,1,1)} \oplus 50V^{(4),(1)} \oplus 24V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 5V^{(4),(2,1)} \oplus 4V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 36V^{(3,1),(1,1)} \oplus 7V^{(3,1),(2,1)} \oplus 5V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 5V^{(2,2),(2,1)} \oplus 4V^{(2,2),(1,1,1)} \oplus 26V^{(4,1),(1)} \oplus 2V^{(4,1),(2)} \oplus 3V^{(4,1),(1,1)} \oplus 26V^{(3,2),(1)} \oplus 2V^{(3,2),(2)} \oplus 3V^{(3,2),(1,1)} \oplus V^{(4,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus V^{(2),(2,2,2)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,2)} \oplus 18V^{(1,1),(2,1,1)} \oplus 10V^{(1,1),(2,2,1)} \oplus V^{(1,1),(2,2,2)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 26V^{(3),(2,1)} \oplus 22V^{(3),(1,1,1)} \oplus 12V^{(3),(2,2)} \oplus 12V^{(3),(2,1,1)} \oplus 3V^{(3),(2,2,1)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 26V^{(2,1),(2,1)} \oplus 22V^{(2,1),(1,1,1)} \oplus 12V^{(2,1),(2,2)} \oplus 12V^{(2,1),(2,1,1)} \oplus 3V^{(2,1),(2,2,1)} \oplus 18V^{(4),(2)} \oplus 18V^{(4),(1,1)} \oplus 12V^{(4),(2,1)} \oplus 10V^{(4),(1,1,1)} \oplus$

Table 31: Table for $\lambda = (4,2)$, $\mu = (2,2,1,1)$:

$k = 12: \quad 11V^{\varnothing,\varnothing}$
$k = 11: \quad 1037V^{\varnothing,\varnothing} \oplus 90V^{\varnothing,(1)} \oplus 90V^{(1),\varnothing}$
$k = 10: \quad 1816V^{\varnothing,\varnothing} \oplus 1090V^{\varnothing,(1)} \oplus 29V^{\varnothing,(2)} \oplus 32V^{\varnothing,(1,1)} \oplus 1090V^{(1),\varnothing} \oplus 283V^{(1),(1)} \oplus 32V^{(2),\varnothing} \oplus 29V^{(1,1),\varnothing}$
$k = 9: \quad 1385V^{\varnothing,\varnothing} \oplus 1656V^{\varnothing,(1)} \oplus 314V^{\varnothing,(2)} \oplus 458V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1656V^{(1),\varnothing} \oplus 1516V^{(1),(1)} \oplus 95V^{(1),(2)} \oplus 101V^{(1),(1,1)} \oplus 458V^{(2),\varnothing} \oplus 101V^{(2),(1)} \oplus 314V^{(1,1),\varnothing} \oplus 95V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing}$
$k = 8: \quad 729V^{\varnothing,\varnothing} \oplus 1096V^{\varnothing,(1)} \oplus 384V^{\varnothing,(2)} \oplus 570V^{\varnothing,(1,1)} \oplus 180V^{\varnothing,(2,1)} \oplus 180V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1096V^{(1),\varnothing} \oplus 2150V^{(1),(1)} \oplus 476V^{(1),(2)} \oplus 588V^{(1),(1,1)} \oplus 31V^{(1),(2,1)} \oplus 31V^{(1),(1,1,1)} \oplus 570V^{(2),\varnothing} \oplus 588V^{(2),(1)} \oplus 63V^{(2),(2)} \oplus 71V^{(2),(1,1)} \oplus 384V^{(1,1),\varnothing} \oplus 476V^{(1,1),(1)} \oplus 58V^{(1,1),(2)} \oplus 63V^{(1,1),(1,1)} \oplus 180V^{(3),\varnothing} \oplus 31V^{(3),(1)} \oplus 180V^{(2,1),\varnothing} \oplus 31V^{(2,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 188V^{\varnothing,(2)} \oplus 268V^{\varnothing,(1,1)} \oplus 154V^{\varnothing,(2,1)} \oplus 154V^{\varnothing,(1,1,1)} \oplus 44V^{\varnothing,(2,2)} \oplus 70V^{\varnothing,(2,1,1)} \oplus 44V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 510V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 606V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 216V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(2,2)} \oplus 9V^{(1),(2,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus 268V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 204V^{(2),(2)} \oplus 260V^{(2),(1,1)} \oplus 29V^{(2),(2,1)} \oplus 29V^{(2),(1,1,1)} \oplus 188V^{(1,1),\varnothing} \oplus 606V^{(1,1),(1)} \oplus 172V^{(1,1),(2)} \oplus 204V^{(1,1),(1,1)} \oplus 23V^{(1,1),(2,1)} \oplus 23V^{(1,1),(1,1,1)} \oplus 154V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 23V^{(3),(2)} \oplus 29V^{(3),(1,1)} \oplus 154V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 23V^{(2,1),(2)} \oplus 29V^{(2,1),(1,1)} \oplus 44V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus 70V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 44V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(2,1)} \oplus 27V^{\varnothing,(1,1,1)} \oplus 18V^{\varnothing,(2,2)} \oplus 18V^{\varnothing,(2,1,1)} \oplus 18V^{\varnothing,(1,1,1,1)} \oplus 9V^{\varnothing,(2,2,1)} \oplus 9V^{\varnothing,(2,1,1,1)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 54V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 222V^{(2),(2)} \oplus 270V^{(2),(1,1)} \oplus 96V^{(2),(2,1)} \oplus 96V^{(2),(1,1,1)} \oplus 9V^{(2),(2,2)} \oplus 11V^{(2),(2,1,1)} \oplus 9V^{(2),(1,1,1,1)} \oplus 54V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 196V^{(1,1),(2)} \oplus 222V^{(1,1),(1,1)} \oplus 72V^{(1,1),(2,1)} \oplus 72V^{(1,1),(1,1,1)} \oplus 6V^{(1,1),(2,2)} \oplus 7V^{(1,1),(2,1,1)} \oplus 6V^{(1,1),(1,1,1,1)} \oplus 27V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 72V^{(3),(2)} \oplus 96V^{(3),(1,1)} \oplus 19V^{(3),(2,1)} \oplus 19V^{(3),(1,1,1)} \oplus 27V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 72V^{(2,1),(2)} \oplus 96V^{(2,1),(1,1)} \oplus 19V^{(2,1),(2,1)} \oplus 19V^{(2,1),(1,1,1)} \oplus 18V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 6V^{(4),(2)} \oplus 9V^{(4),(1,1)} \oplus 18V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 7V^{(3,1),(2)} \oplus 11V^{(3,1),(1,1)} \oplus 18V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 6V^{(2,2),(2)} \oplus 9V^{(2,2),(1,1)} \oplus 9V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 9V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(2,2,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(2,2)} \oplus 36V^{(2),(2,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(2,2)} \oplus 28V^{(1,1),(2,1,1)} \oplus 24V^{(1,1),(1,1,1,1)} \oplus 2V^{(1,1),(2,2,1)} \oplus 2V^{(1,1),(2,1,1,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 40V^{(3),(2,1)} \oplus 40V^{(3),(1,1,1)} \oplus 7V^{(3),(2,2)} \oplus 9V^{(3),(2,1,1)} \oplus 7V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 40V^{(2,1),(2,1)} \oplus 40V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(2,2)} \oplus 9V^{(2,1),(2,1,1)} \oplus 7V^{(2,1),(1,1,1,1)} \oplus 50V^{(4),(1)} \oplus 24V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 7V^{(4),(2,1)} \oplus 7V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 36V^{(3,1),(1,1)} \oplus 9V^{(3,1),(2,1)} \oplus 9V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 7V^{(2,2),(2,1)} \oplus 7V^{(2,2),(1,1,1)} \oplus 26V^{(4,1),(1)} \oplus 2V^{(4,1),(2)} \oplus 3V^{(4,1),(1,1)} \oplus 26V^{(3,2),(1)} \oplus 2V^{(3,2),(2)} \oplus 3V^{(3,2),(1,1)} \oplus V^{(4,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus 10V^{(2),(2,1,1,1)} \oplus V^{(2),(2,2,1,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,2)} \oplus 18V^{(1,1),(2,1,1)} \oplus$

Table 32: Table for $\lambda = (4,2)$, $\mu = (2,1,1,1,1)$:

$k = 12: \quad 7V^{\varnothing,\varnothing}$
$k = 11: \quad 985V^{\varnothing,\varnothing} \oplus 85V^{\varnothing,(1)} \oplus 58V^{(1),\varnothing}$
$k = 10: \quad 1736V^{\varnothing,\varnothing} \oplus 1050V^{\varnothing,(1)} \oplus 22V^{\varnothing,(2)} \oplus 30V^{\varnothing,(1,1)} \oplus 970V^{(1),\varnothing} \oplus 265V^{(1),(1)} \oplus 28V^{(2),\varnothing} \oplus 25V^{(1,1),\varnothing}$
$k = 9: \quad 1349V^{\varnothing,\varnothing} \oplus 1626V^{\varnothing,(1)} \oplus 254V^{\varnothing,(2)} \oplus 418V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1456V^{(1),\varnothing} \oplus 1444V^{(1),(1)} \oplus 73V^{(1),(2)} \oplus 97V^{(1),(1,1)} \oplus 418V^{(2),\varnothing} \oplus 89V^{(2),(1)} \oplus 274V^{(1,1),\varnothing} \oplus 83V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing}$
$k = 8: \quad 648V^{\varnothing,\varnothing} \oplus 1096V^{\varnothing,(1)} \oplus 348V^{\varnothing,(2)} \oplus 534V^{\varnothing,(1,1)} \oplus 108V^{\varnothing,(2,1)} \oplus 180V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 4V^{\varnothing,(1,1,1,1)} \oplus 936V^{(1),\varnothing} \oplus 2114V^{(1),(1)} \oplus 408V^{(1),(2)} \oplus 556V^{(1),(1,1)} \oplus 25V^{(1),(2,1)} \oplus 31V^{(1),(1,1,1)} \oplus 498V^{(2),\varnothing} \oplus 564V^{(2),(1)} \oplus 45V^{(2),(2)} \oplus 65V^{(2),(1,1)} \oplus 312V^{(1,1),\varnothing} \oplus 452V^{(1,1),(1)} \oplus 42V^{(1,1),(2)} \oplus 59V^{(1,1),(1,1)} \oplus 164V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 164V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 188V^{\varnothing,(2)} \oplus 268V^{\varnothing,(1,1)} \oplus 104V^{\varnothing,(2,1)} \oplus 154V^{\varnothing,(1,1,1)} \oplus 44V^{\varnothing,(2,1,1)} \oplus 70V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus 340V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 160V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(2,1,1)} \oplus 9V^{(1),(1,1,1,1)} \oplus 220V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 168V^{(2),(2)} \oplus 236V^{(2),(1,1)} \oplus 21V^{(2),(2,1)} \oplus 29V^{(2),(1,1,1)} \oplus 140V^{(1,1),\varnothing} \oplus 606V^{(1,1),(1)} \oplus 144V^{(1,1),(2)} \oplus 188V^{(1,1),(1,1)} \oplus 18V^{(1,1),(2,1)} \oplus 23V^{(1,1),(1,1,1)} \oplus 130V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 13V^{(3),(2)} \oplus 25V^{(3),(1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 13V^{(2,1),(2)} \oplus 25V^{(2,1),(1,1)} \oplus 36V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus 62V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 36V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(2,1)} \oplus 27V^{\varnothing,(1,1,1)} \oplus 18V^{\varnothing,(2,1,1)} \oplus 18V^{\varnothing,(1,1,1,1)} \oplus 9V^{\varnothing,(2,1,1,1)} \oplus 9V^{\varnothing,(1,1,1,1,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,1,1)} \oplus 92V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus 20V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 210V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 68V^{(2),(2,1)} \oplus 96V^{(2),(1,1,1)} \oplus 9V^{(2),(2,1,1)} \oplus 11V^{(2),(1,1,1,1)} \oplus 20V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 188V^{(1,1),(2)} \oplus 214V^{(1,1),(1,1)} \oplus 56V^{(1,1),(2,1)} \oplus 72V^{(1,1),(1,1,1)} \oplus 6V^{(1,1),(2,1,1)} \oplus 7V^{(1,1),(1,1,1,1)} \oplus 15V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 88V^{(3),(1,1)} \oplus 13V^{(3),(2,1)} \oplus 19V^{(3),(1,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 88V^{(2,1),(1,1)} \oplus 13V^{(2,1),(2,1)} \oplus 19V^{(2,1),(1,1,1)} \oplus 10V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 4V^{(4),(2)} \oplus 7V^{(4),(1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 5V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 10V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 4V^{(2,2),(2)} \oplus 7V^{(2,2),(1,1)} \oplus 5V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 5V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5:$ $120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus V^{(1),(2,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(2,1,1)} \oplus 36V^{(2),(1,1,1,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 3V^{(2),(1,1,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 60V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(2,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 2V^{(1,1),(2,1,1,1)} \oplus 2V^{(1,1),(1,1,1,1,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 28V^{(3),(2,1)} \oplus 40V^{(3),(1,1,1)} \oplus 7V^{(3),(2,1,1)} \oplus 9V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 28V^{(2,1),(2,1)} \oplus 40V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(2,1,1)} \oplus 9V^{(2,1),(1,1,1,1)} \oplus 50V^{(4),(1)} \oplus 24V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 4V^{(4),(2,1)} \oplus 7V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 36V^{(3,1),(1,1)} \oplus 5V^{(3,1),(2,1)} \oplus 9V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 4V^{(2,2),(2,1)} \oplus 7V^{(2,2),(1,1,1)} \oplus 26V^{(4,1),(1)} \oplus 2V^{(4,1),(2)} \oplus 3V^{(4,1),(1,1)} \oplus 26V^{(3,2),(1)} \oplus 2V^{(3,2),(2)} \oplus 3V^{(3,2),(1,1)} \oplus V^{(4,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(2,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus V^{(2),(2,1,1,1,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus$

Table 33: Table for $\lambda = (4,2)$, $\mu = (1,1,1,1,1,1)$:

$k = 12: \quad 2V^{\varnothing,\varnothing}$
$k = 11: \quad 785V^{\varnothing,\varnothing} \oplus 63V^{\varnothing,(1)} \oplus 11V^{(1),\varnothing}$
$k = 10:$ $1421V^{\varnothing,\varnothing} \oplus 642V^{\varnothing,(1)} \oplus 22V^{\varnothing,(1,1)} \oplus 654V^{(1),\varnothing} \oplus 193V^{(1),(1)} \oplus 9V^{(2),\varnothing} \oplus 7V^{(1,1),\varnothing}$
$k = 9: \quad 1184V^{\varnothing,\varnothing} \oplus 1038V^{\varnothing,(1)} \oplus 254V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1051V^{(1),\varnothing} \oplus 1060V^{(1),(1)} \oplus 73V^{(1),(1,1)} \oplus 286V^{(2),\varnothing} \oplus 45V^{(2),(1)} \oplus 162V^{(1,1),\varnothing} \oplus 42V^{(1,1),(1)} \oplus 6V^{(3),\varnothing} \oplus 6V^{(2,1),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 728V^{\varnothing,(1)} \oplus 348V^{\varnothing,(1,1)} \oplus 108V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 704V^{(1),\varnothing} \oplus 1682V^{(1),(1)} \oplus 408V^{(1),(1,1)} \oplus 25V^{(1),(1,1,1)} \oplus 363V^{(2),\varnothing} \oplus 412V^{(2),(1)} \oplus 45V^{(2),(1,1)} \oplus 195V^{(1,1),\varnothing} \oplus 356V^{(1,1),(1)} \oplus 42V^{(1,1),(1,1)} \oplus 128V^{(3),\varnothing} \oplus 13V^{(3),(1)} \oplus 128V^{(2,1),\varnothing} \oplus 13V^{(2,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 390V^{\varnothing,(1)} \oplus 188V^{\varnothing,(1,1)} \oplus 104V^{\varnothing,(1,1,1)} \oplus 44V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus 245V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 582V^{(1),(1,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus 164V^{(2),\varnothing} \oplus 594V^{(2),(1)} \oplus 168V^{(2),(1,1)} \oplus 21V^{(2),(1,1,1)} \oplus 84V^{(1,1),\varnothing} \oplus 528V^{(1,1),(1)} \oplus 144V^{(1,1),(1,1)} \oplus 18V^{(1,1),(1,1,1)} \oplus 103V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 13V^{(3),(1,1)} \oplus 103V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus 13V^{(2,1),(1,1)} \oplus 28V^{(4),\varnothing} \oplus 4V^{(4),(1)} \oplus 54V^{(3,1),\varnothing} \oplus 5V^{(3,1),(1)} \oplus 28V^{(2,2),\varnothing} \oplus 4V^{(2,2),(1)} \oplus 2V^{(4,1),\varnothing} \oplus 2V^{(3,2),\varnothing}$
$k = 6: \quad 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(1,1,1)} \oplus 18V^{\varnothing,(1,1,1,1)} \oplus 9V^{\varnothing,(1,1,1,1,1)} \oplus V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(1,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 210V^{(2),(1,1)} \oplus 68V^{(2),(1,1,1)} \oplus 9V^{(2),(1,1,1,1)} \oplus V^{(1,1),\varnothing} \oplus 344V^{(1,1),(1)} \oplus 188V^{(1,1),(1,1)} \oplus 56V^{(1,1),(1,1,1)} \oplus 6V^{(1,1),(1,1,1,1)} \oplus V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 64V^{(3),(1,1)} \oplus 13V^{(3),(1,1,1)} \oplus V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 64V^{(2,1),(1,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus V^{(4),\varnothing} \oplus 62V^{(4),(1)} \oplus 4V^{(4),(1,1)} \oplus V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 5V^{(3,1),(1,1)} \oplus V^{(2,2),\varnothing} \oplus 62V^{(2,2),(1)} \oplus 4V^{(2,2),(1,1)} \oplus V^{(4,1),\varnothing} \oplus 2V^{(4,1),(1)} \oplus V^{(3,2),\varnothing} \oplus 2V^{(3,2),(1)} \oplus V^{(4,2),\varnothing}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus V^{(1),(1,1,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 3V^{(2),(1,1,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(1,1)} \oplus 60V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(1,1,1,1)} \oplus 2V^{(1,1),(1,1,1,1,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(1,1)} \oplus 28V^{(3),(1,1,1)} \oplus 7V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(1,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(1,1,1,1)} \oplus 50V^{(4),(1)} \oplus 24V^{(4),(1,1)} \oplus 4V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(1,1)} \oplus 5V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(1,1)} \oplus 4V^{(2,2),(1,1,1)} \oplus 26V^{(4,1),(1)} \oplus 2V^{(4,1),(1,1)} \oplus 26V^{(3,2),(1)} \oplus 2V^{(3,2),(1,1)} \oplus V^{(4,2),(1)}$
$k = 4: \quad 24V^{(2),(1,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus V^{(2),(1,1,1,1,1,1)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(1,1,1,1,1)} \oplus V^{(1,1),(1,1,1,1,1,1)} \oplus 24V^{(3),(1,1)} \oplus 22V^{(3),(1,1,1)} \oplus 12V^{(3),(1,1,1,1)} \oplus 3V^{(3),(1,1,1,1,1)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(1,1,1)} \oplus 12V^{(2,1),(1,1,1,1)} \oplus 3V^{(2,1),(1,1,1,1,1)} \oplus 18V^{(4),(1,1)} \oplus 10V^{(4),(1,1,1)} \oplus 4V^{(4),(1,1,1,1)} \oplus 18V^{(3,1),(1,1)} \oplus 12V^{(3,1),(1,1,1)} \oplus 5V^{(3,1),(1,1,1,1)} \oplus 18V^{(2,2),(1,1)} \oplus 10V^{(2,2),(1,1,1)} \oplus 4V^{(2,2),(1,1,1,1)} \oplus 10V^{(4,1),(1,1)} \oplus 2V^{(4,1),(1,1,1)} \oplus 10V^{(3,2),(1,1)} \oplus 2V^{(3,2),(1,1,1)} \oplus V^{(4,2),(1,1)}$
$k = 3: \quad 6V^{(3),(1,1,1)} \oplus 6V^{(3),(1,1,1,1)} \oplus 4V^{(3),(1,1,1,1,1)} \oplus V^{(3),(1,1,1,1,1,1)} \oplus 6V^{(2,1),(1,1,1)} \oplus 6V^{(2,1),(1,1,1,1)} \oplus 4V^{(2,1),(1,1,1,1,1)} \oplus V^{(2,1),(1,1,1,1,1,1)} \oplus 6V^{(4),(1,1,1)} \oplus 5V^{(4),(1,1,1,1)} \oplus 2V^{(4),(1,1,1,1,1)} \oplus 6V^{(3,1),(1,1,1)} \oplus 6V^{(3,1),(1,1,1,1)} \oplus 3V^{(3,1),(1,1,1,1,1)} \oplus 6V^{(2,2),(1,1,1)} \oplus 5V^{(2,2),(1,1,1,1)} \oplus 2V^{(2,2),(1,1,1,1,1)} \oplus 4V^{(4,1),(1,1,1)} \oplus 2V^{(4,1),(1,1,1,1)} \oplus 4V^{(3,2),(1,1,1)} \oplus 2V^{(3,2),(1,1,1,1)} \oplus V^{(4,2),(1,1,1)}$
$k = 2: \quad 2V^{(4),(1,1,1,1)} \oplus 2V^{(4),(1,1,1,1,1)} \oplus V^{(4),(1,1,1,1,1,1)} \oplus 2V^{(3,1),(1,1,1,1)} \oplus 2V^{(3,1),(1,1,1,1,1)} \oplus V^{(3,1),(1,1,1,1,1,1)} \oplus 2V^{(2,2),(1,1,1,1)} \oplus 2V^{(2,2),(1,1,1,1,1)} \oplus V^{(2,2),(1,1,1,1,1,1)} \oplus 2V^{(4,1),(1,1,1,1)} \oplus 2V^{(4,1),(1,1,1,1,1)} \oplus 2V^{(3,2),(1,1,1,1)} \oplus 2V^{(3,2),(1,1,1,1,1)} \oplus V^{(4,2),(1,1,1,1)}$
$k = 1:$

Table 34: Table for $\lambda = (4,1,1)$, $\mu = (6,)$:

$k = 12: \quad 4V^{\varnothing,\varnothing}$
$k = 11: \quad 806V^{\varnothing,\varnothing} \oplus 80V^{\varnothing,(1)} \oplus 11V^{(1),\varnothing}$
$k = 10: \quad 1442V^{\varnothing,\varnothing} \oplus 686V^{\varnothing,(1)} \oplus 28V^{\varnothing,(2)} \oplus 694V^{(1),\varnothing} \oplus 195V^{(1),(1)} \oplus 8V^{(2),\varnothing} \oplus 7V^{(1,1),\varnothing}$
$k = 9:$ $1200V^{\varnothing,\varnothing} \oplus 1094V^{\varnothing,(1)} \oplus 268V^{\varnothing,(2)} \oplus 9V^{\varnothing,(3)} \oplus 1105V^{(1),\varnothing} \oplus 1092V^{(1),(1)} \oplus 75V^{(1),(2)} \oplus$ $286V^{(2),\varnothing} \oplus 45V^{(2),(1)} \oplus 266V^{(1,1),\varnothing} \oplus 43V^{(1,1),(1)} \oplus 5V^{(3),\varnothing} \oplus 5V^{(2,1),\varnothing} \oplus 3V^{(1,1,1),\varnothing}$
$k = 8: \quad 634V^{\varnothing,\varnothing} \oplus 928V^{\varnothing,(1)} \oplus 366V^{\varnothing,(2)} \oplus 112V^{\varnothing,(3)} \oplus 3V^{\varnothing,(4)} \oplus 728V^{(1),\varnothing} \oplus$ $1718V^{(1),(1)} \oplus 424V^{(1),(2)} \oplus 27V^{(1),(3)} \oplus 363V^{(2),\varnothing} \oplus 412V^{(2),(1)} \oplus 45V^{(2),(2)} \oplus$ $345V^{(1,1),\varnothing} \oplus 396V^{(1,1),(1)} \oplus 43V^{(1,1),(2)} \oplus 128V^{(3),\varnothing} \oplus 13V^{(3),(1)} \oplus 128V^{(2,1),\varnothing} \oplus$ $13V^{(2,1),(1)} \oplus 66V^{(1,1,1),\varnothing} \oplus 10V^{(1,1,1),(1)} \oplus 2V^{(4),\varnothing} \oplus 3V^{(3,1),\varnothing} \oplus 2V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 470V^{\varnothing,(1)} \oplus 240V^{\varnothing,(2)} \oplus 110V^{\varnothing,(3)} \oplus 46V^{\varnothing,(4)} \oplus V^{\varnothing,(5)} \oplus$ $245V^{(1),\varnothing} \oplus 1316V^{(1),(1)} \oplus 594V^{(1),(2)} \oplus 168V^{(1),(3)} \oplus 9V^{(1),(4)} \oplus 164V^{(2),\varnothing} \oplus$ $594V^{(2),(1)} \oplus 168V^{(2),(2)} \oplus 21V^{(2),(3)} \oplus 164V^{(1,1),\varnothing} \oplus 582V^{(1,1),(1)} \oplus 160V^{(1,1),(2)} \oplus$ $19V^{(1,1),(3)} \oplus 103V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 13V^{(3),(2)} \oplus 103V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus$ $13V^{(2,1),(2)} \oplus 53V^{(1,1,1),\varnothing} \oplus 132V^{(1,1,1),(1)} \oplus 10V^{(1,1,1),(2)} \oplus 28V^{(4),\varnothing} \oplus 4V^{(4),(1)} \oplus$ $54V^{(3,1),\varnothing} \oplus 5V^{(3,1),(1)} \oplus 28V^{(2,1,1),\varnothing} \oplus 4V^{(2,1,1),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 40V^{\varnothing,(3)} \oplus 20V^{\varnothing,(4)} \oplus 10V^{\varnothing,(5)} \oplus V^{(1),\varnothing} \oplus$ $648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 186V^{(1),(3)} \oplus 72V^{(1),(4)} \oplus 3V^{(1),(5)} \oplus V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus$ $210V^{(2),(2)} \oplus 68V^{(2),(3)} \oplus 9V^{(2),(4)} \oplus V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 206V^{(1,1),(2)} \oplus$ $64V^{(1,1),(3)} \oplus 7V^{(1,1),(4)} \oplus V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 13V^{(3),(3)} \oplus V^{(2,1),\varnothing} \oplus$ $186V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 13V^{(2,1),(3)} \oplus V^{(1,1,1),\varnothing} \oplus 168V^{(1,1,1),(1)} \oplus 52V^{(1,1,1),(2)} \oplus$ $10V^{(1,1,1),(3)} \oplus V^{(4),\varnothing} \oplus 62V^{(4),(1)} \oplus 4V^{(4),(2)} \oplus V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 5V^{(3,1),(2)} \oplus$ $V^{(2,1,1),\varnothing} \oplus 62V^{(2,1,1),(1)} \oplus 4V^{(2,1,1),(2)} \oplus V^{(4,1),\varnothing} \oplus 2V^{(4,1),(1)} \oplus V^{(3,1,1),\varnothing} \oplus 2V^{(3,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 80V^{(1),(3)} \oplus 50V^{(1),(4)} \oplus 26V^{(1),(5)} \oplus V^{(1),(6)} \oplus$ $120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 66V^{(2),(3)} \oplus 28V^{(2),(4)} \oplus 3V^{(2),(5)} \oplus 120V^{(1,1),(1)} \oplus$ $108V^{(1,1),(2)} \oplus 66V^{(1,1),(3)} \oplus 28V^{(1,1),(4)} \oplus 3V^{(1,1),(5)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus$ $28V^{(3),(3)} \oplus 7V^{(3),(4)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 28V^{(2,1),(3)} \oplus 7V^{(2,1),(4)} \oplus$ $80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(2)} \oplus 22V^{(1,1,1),(3)} \oplus 4V^{(1,1,1),(4)} \oplus 50V^{(4),(1)} \oplus 24V^{(4),(2)} \oplus$ $4V^{(4),(3)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 5V^{(3,1),(3)} \oplus 50V^{(2,1,1),(1)} \oplus 24V^{(2,1,1),(2)} \oplus$ $4V^{(2,1,1),(3)} \oplus 26V^{(4,1),(1)} \oplus 2V^{(4,1),(2)} \oplus 26V^{(3,1,1),(1)} \oplus 2V^{(3,1,1),(2)} \oplus V^{(4,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(3)} \oplus 18V^{(2),(4)} \oplus 10V^{(2),(5)} \oplus V^{(2),(6)} \oplus 24V^{(1,1),(2)} \oplus$ $24V^{(1,1),(3)} \oplus 18V^{(1,1),(4)} \oplus 10V^{(1,1),(5)} \oplus V^{(1,1),(6)} \oplus 24V^{(3),(2)} \oplus 22V^{(3),(3)} \oplus$ $12V^{(3),(4)} \oplus 3V^{(3),(5)} \oplus 24V^{(2,1),(2)} \oplus 22V^{(2,1),(3)} \oplus 12V^{(2,1),(4)} \oplus 3V^{(2,1),(5)} \oplus$ $24V^{(1,1,1),(2)} \oplus 20V^{(1,1,1),(3)} \oplus 10V^{(1,1,1),(4)} \oplus 2V^{(1,1,1),(5)} \oplus 18V^{(4),(2)} \oplus 10V^{(4),(3)} \oplus$ $4V^{(4),(4)} \oplus 18V^{(3,1),(2)} \oplus 12V^{(3,1),(3)} \oplus 5V^{(3,1),(4)} \oplus 18V^{(2,1,1),(2)} \oplus 10V^{(2,1,1),(3)} \oplus$ $4V^{(2,1,1),(4)} \oplus 10V^{(4,1),(2)} \oplus 2V^{(4,1),(3)} \oplus 10V^{(3,1,1),(2)} \oplus 2V^{(3,1,1),(3)} \oplus V^{(4,1,1),(2)}$
$k = 3: \quad 6V^{(3),(3)} \oplus 6V^{(3),(4)} \oplus 4V^{(3),(5)} \oplus V^{(3),(6)} \oplus 6V^{(2,1),(3)} \oplus 6V^{(2,1),(4)} \oplus$ $4V^{(2,1),(5)} \oplus V^{(2,1),(6)} \oplus 6V^{(1,1,1),(3)} \oplus 6V^{(1,1,1),(4)} \oplus 4V^{(1,1,1),(5)} \oplus V^{(1,1,1),(6)} \oplus 6V^{(4),(3)} \oplus$ $5V^{(4),(4)} \oplus 2V^{(4),(5)} \oplus 6V^{(3,1),(3)} \oplus 6V^{(3,1),(4)} \oplus 3V^{(3,1),(5)} \oplus 6V^{(2,1,1),(3)} \oplus 5V^{(2,1,1),(4)} \oplus$ $2V^{(2,1,1),(5)} \oplus 4V^{(4,1),(3)} \oplus 2V^{(4,1),(4)} \oplus 4V^{(3,1,1),(3)} \oplus 2V^{(3,1,1),(4)} \oplus V^{(4,1,1),(3)}$
$k = 2: \quad 2V^{(4),(4)} \oplus 2V^{(4),(5)} \oplus V^{(4),(6)} \oplus 2V^{(3,1),(4)} \oplus 2V^{(3,1),(5)} \oplus V^{(3,1),(6)} \oplus 2V^{(2,1,1),(4)} \oplus$ $2V^{(2,1,1),(5)} \oplus V^{(2,1,1),(6)} \oplus 2V^{(4,1),(4)} \oplus 2V^{(4,1),(5)} \oplus 2V^{(3,1,1),(4)} \oplus 2V^{(3,1,1),(5)} \oplus V^{(4,1,1),(4)}$
$k = 1: \quad V^{(4,1),(5)} \oplus V^{(4,1),(6)} \oplus V^{(3,1,1),(5)} \oplus V^{(3,1,1),(6)} \oplus V^{(4,1,1),(5)}$
$k = 0: \quad V^{(4,1,1),(6)}$

Table 35: Table for $\lambda = (4,1,1)$, $\mu = (5,1)$:

$k = 12: \quad 34V^{\varnothing,\varnothing}$
$k = 11: \quad 1062V^{\varnothing,\varnothing} \oplus 108V^{\varnothing,(1)} \oplus 60V^{(1),\varnothing}$
$k = 10: \quad 1784V^{\varnothing,\varnothing} \oplus 1112V^{\varnothing,(1)} \oplus 37V^{\varnothing,(2)} \oplus 28V^{\varnothing,(1,1)} \oplus 1050V^{(1),\varnothing} \oplus 269V^{(1),(1)} \oplus 28V^{(2),\varnothing} \oplus 26V^{(1,1),\varnothing}$
$k = 9: \quad 1410V^{\varnothing,\varnothing} \oplus 1688V^{\varnothing,(1)} \oplus 436V^{\varnothing,(2)} \oplus 268V^{\varnothing,(1,1)} \oplus 12V^{\varnothing,(3)} \oplus 9V^{\varnothing,(2,1)} \oplus 1564V^{(1),\varnothing} \oplus 1508V^{(1),(1)} \oplus 101V^{(1),(2)} \oplus 75V^{(1),(1,1)} \oplus 418V^{(2),\varnothing} \oplus 89V^{(2),(1)} \oplus 378V^{(1,1),\varnothing} \oplus 85V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8: \quad 748V^{\varnothing,\varnothing} \oplus 1296V^{\varnothing,(1)} \oplus 552V^{\varnothing,(2)} \oplus 366V^{\varnothing,(1,1)} \oplus 184V^{\varnothing,(3)} \oplus 112V^{\varnothing,(2,1)} \oplus 4V^{\varnothing,(4)} \oplus 3V^{\varnothing,(3,1)} \oplus 984V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 588V^{(1),(2)} \oplus 424V^{(1),(1,1)} \oplus 35V^{(1),(3)} \oplus 27V^{(1),(2,1)} \oplus 498V^{(2),\varnothing} \oplus 564V^{(2),(1)} \oplus 65V^{(2),(2)} \oplus 45V^{(2),(1,1)} \oplus 462V^{(1,1),\varnothing} \oplus 532V^{(1,1),(1)} \oplus 61V^{(1,1),(2)} \oplus 43V^{(1,1),(1,1)} \oplus 164V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 164V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 92V^{(1,1,1),\varnothing} \oplus 19V^{(1,1,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 170V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 320V^{\varnothing,(2)} \oplus 240V^{\varnothing,(1,1)} \oplus 160V^{\varnothing,(3)} \oplus 110V^{\varnothing,(2,1)} \oplus 72V^{\varnothing,(4)} \oplus 46V^{\varnothing,(3,1)} \oplus V^{\varnothing,(5)} \oplus V^{\varnothing,(4,1)} \oplus 340V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 594V^{(1),(1,1)} \oplus 232V^{(1),(3)} \oplus 168V^{(1),(2,1)} \oplus 11V^{(1),(4)} \oplus 9V^{(1),(3,1)} \oplus 220V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 236V^{(2),(2)} \oplus 168V^{(2),(1,1)} \oplus 29V^{(2),(3)} \oplus 21V^{(2),(2,1)} \oplus 220V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 220V^{(1,1),(2)} \oplus 160V^{(1,1),(1,1)} \oplus 25V^{(1,1),(3)} \oplus 19V^{(1,1),(2,1)} \oplus 130V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 25V^{(3),(2)} \oplus 13V^{(3),(1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 25V^{(2,1),(2)} \oplus 13V^{(2,1),(1,1)} \oplus 80V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 19V^{(1,1,1),(2)} \oplus 10V^{(1,1,1),(1,1)} \oplus 36V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus 62V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 36V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(3)} \oplus 40V^{\varnothing,(2,1)} \oplus 20V^{\varnothing,(4)} \oplus 20V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(5)} \oplus 10V^{\varnothing,(4,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 186V^{(1),(2,1)} \oplus 92V^{(1),(4)} \oplus 72V^{(1),(3,1)} \oplus 3V^{(1),(5)} \oplus 3V^{(1),(4,1)} \oplus 20V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 210V^{(2),(1,1)} \oplus 96V^{(2),(3)} \oplus 68V^{(2),(2,1)} \oplus 11V^{(2),(4)} \oplus 9V^{(2),(3,1)} \oplus 20V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 250V^{(1,1),(2)} \oplus 206V^{(1,1),(1,1)} \oplus 88V^{(1,1),(3)} \oplus 64V^{(1,1),(2,1)} \oplus 9V^{(1,1),(4)} \oplus 7V^{(1,1),(3,1)} \oplus 15V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 88V^{(3),(2)} \oplus 64V^{(3),(1,1)} \oplus 19V^{(3),(3)} \oplus 13V^{(3),(2,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 88V^{(2,1),(2)} \oplus 64V^{(2,1),(1,1)} \oplus 19V^{(2,1),(3)} \oplus 13V^{(2,1),(2,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus 52V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(3)} \oplus 10V^{(1,1,1),(2,1)} \oplus 10V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 7V^{(4),(2)} \oplus 4V^{(4),(1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 5V^{(3,1),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 7V^{(2,1,1),(2)} \oplus 4V^{(2,1,1),(1,1)} \oplus 5V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 5V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)}$
$k = 5:$ $120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 26V^{(1),(5)} \oplus 26V^{(1),(4,1)} \oplus V^{(1),(5,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 36V^{(2),(4)} \oplus 28V^{(2),(3,1)} \oplus 3V^{(2),(5)} \oplus 3V^{(2),(4,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 36V^{(1,1),(4)} \oplus 28V^{(1,1),(3,1)} \oplus 3V^{(1,1),(5)} \oplus 3V^{(1,1),(4,1)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 40V^{(3),(3)} \oplus 28V^{(3),(2,1)} \oplus 9V^{(3),(4)} \oplus 7V^{(3),(3,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 40V^{(2,1),(3)} \oplus 28V^{(2,1),(2,1)} \oplus 9V^{(2,1),(4)} \oplus 7V^{(2,1),(3,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 60V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(3)} \oplus 22V^{(1,1,1),(2,1)} \oplus 5V^{(1,1,1),(4)} \oplus 4V^{(1,1,1),(3,1)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 24V^{(4),(1,1)} \oplus 7V^{(4),(3)} \oplus 4V^{(4),(2,1)} \oplus 50V^{(3,1),(1)} \oplus 36V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 9V^{(3,1),(3)} \oplus 5V^{(3,1),(2,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 24V^{(2,1,1),(1,1)} \oplus 7V^{(2,1,1),(3)} \oplus 4V^{(2,1,1),(2,1)} \oplus 26V^{(4,1),(1)} \oplus 3V^{(4,1),(2)} \oplus 2V^{(4,1),(1,1)} \oplus 26V^{(3,1,1),(1)} \oplus 3V^{(3,1,1),(2)} \oplus 2V^{(3,1,1),(1,1)} \oplus V^{(4,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 10V^{(2),(5)} \oplus 10V^{(2),(4,1)} \oplus V^{(2),(5,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 10V^{(1,1),(5)} \oplus 10V^{(1,1),(4,1)} \oplus V^{(1,1),(5,1)} \oplus$

Table 36: Table for $\lambda = (4,1,1)$, $\mu = (4,2)$:

$k = 12: \quad 34V^{\varnothing,\varnothing}$
$k = 11: \quad 1102V^{\varnothing,\varnothing} \oplus 114V^{\varnothing,(1)} \oplus 92V^{(1),\varnothing}$
$k = 10: \quad 1864V^{\varnothing,\varnothing} \oplus 1160V^{\varnothing,(1)} \oplus 39V^{\varnothing,(2)} \oplus 36V^{\varnothing,(1,1)} \oplus 1170V^{(1),\varnothing} \oplus 287V^{(1),(1)} \oplus 32V^{(2),\varnothing} \oplus 30V^{(1,1),\varnothing}$
$k = 9: \quad 1490V^{\varnothing,\varnothing} \oplus 1724V^{\varnothing,(1)} \oplus 476V^{\varnothing,(2)} \oplus 332V^{\varnothing,(1,1)} \oplus 12V^{\varnothing,(3)} \oplus 12V^{\varnothing,(2,1)} \oplus 1764V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 107V^{(1),(2)} \oplus 99V^{(1),(1,1)} \oplus 458V^{(2),\varnothing} \oplus 101V^{(2),(1)} \oplus 418V^{(1,1),\varnothing} \oplus 97V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8: \quad 828V^{\varnothing,\varnothing} \oplus 1296V^{\varnothing,(1)} \oplus 588V^{\varnothing,(2)} \oplus 402V^{\varnothing,(1,1)} \oplus 184V^{\varnothing,(3)} \oplus 184V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 1144V^{(1),\varnothing} \oplus 2222V^{(1),(1)} \oplus 636V^{(1),(2)} \oplus 508V^{(1),(1,1)} \oplus 35V^{(1),(3)} \oplus 35V^{(1),(2,1)} \oplus 570V^{(2),\varnothing} \oplus 588V^{(2),(1)} \oplus 71V^{(2),(2)} \oplus 63V^{(2),(1,1)} \oplus 534V^{(1,1),\varnothing} \oplus 556V^{(1,1),(1)} \oplus 65V^{(1,1),(2)} \oplus 59V^{(1,1),(1,1)} \oplus 180V^{(3),\varnothing} \oplus 31V^{(3),(1)} \oplus 180V^{(2,1),\varnothing} \oplus 31V^{(2,1),(1)} \oplus 108V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 210V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 320V^{\varnothing,(2)} \oplus 240V^{\varnothing,(1,1)} \oplus 160V^{\varnothing,(3)} \oplus 160V^{\varnothing,(2,1)} \oplus 46V^{\varnothing,(4)} \oplus 72V^{\varnothing,(3,1)} \oplus 46V^{\varnothing,(2,2)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,2)} \oplus 510V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 774V^{(1),(2)} \oplus 630V^{(1),(1,1)} \oplus 232V^{(1),(3)} \oplus 232V^{(1),(2,1)} \oplus 9V^{(1),(4)} \oplus 11V^{(1),(3,1)} \oplus 9V^{(1),(2,2)} \oplus 268V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 260V^{(2),(2)} \oplus 204V^{(2),(1,1)} \oplus 29V^{(2),(3)} \oplus 29V^{(2),(2,1)} \oplus 268V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 236V^{(1,1),(2)} \oplus 188V^{(1,1),(1,1)} \oplus 25V^{(1,1),(3)} \oplus 25V^{(1,1),(2,1)} \oplus 154V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 29V^{(3),(2)} \oplus 23V^{(3),(1,1)} \oplus 154V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 29V^{(2,1),(2)} \oplus 23V^{(2,1),(1,1)} \oplus 104V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 21V^{(1,1,1),(2)} \oplus 18V^{(1,1,1),(1,1)} \oplus 44V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus 70V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 44V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,1,1),\varnothing}$
$k = 6:$ $100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(3)} \oplus 40V^{\varnothing,(2,1)} \oplus 20V^{\varnothing,(4)} \oplus 20V^{\varnothing,(3,1)} \oplus 20V^{\varnothing,(2,2)} \oplus 10V^{\varnothing,(4,1)} \oplus 10V^{\varnothing,(3,2)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,2)} \oplus 54V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 270V^{(2),(2)} \oplus 222V^{(2),(1,1)} \oplus 96V^{(2),(3)} \oplus 96V^{(2),(2,1)} \oplus 9V^{(2),(4)} \oplus 11V^{(2),(3,1)} \oplus 9V^{(2),(2,2)} \oplus 54V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 214V^{(1,1),(1,1)} \oplus 88V^{(1,1),(3)} \oplus 88V^{(1,1),(2,1)} \oplus 7V^{(1,1),(4)} \oplus 9V^{(1,1),(3,1)} \oplus 7V^{(1,1),(2,2)} \oplus 27V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 96V^{(3),(2)} \oplus 72V^{(3),(1,1)} \oplus 19V^{(3),(3)} \oplus 19V^{(3),(2,1)} \oplus 27V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 96V^{(2,1),(2)} \oplus 72V^{(2,1),(1,1)} \oplus 19V^{(2,1),(3)} \oplus 19V^{(2,1),(2,1)} \oplus 27V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 68V^{(1,1,1),(2)} \oplus 56V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(3)} \oplus 13V^{(1,1,1),(2,1)} \oplus 18V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 9V^{(4),(2)} \oplus 6V^{(4),(1,1)} \oplus 18V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 11V^{(3,1),(2)} \oplus 7V^{(3,1),(1,1)} \oplus 18V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 6V^{(2,1,1),(1,1)} \oplus 9V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 9V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)}$
$k = 5:$ $120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(4,2)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 28V^{(2),(4)} \oplus 36V^{(2),(3,1)} \oplus 28V^{(2),(2,2)} \oplus 3V^{(2),(4,1)} \oplus 3V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 28V^{(1,1),(4)} \oplus 36V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,2)} \oplus 3V^{(1,1),(4,1)} \oplus 3V^{(1,1),(3,2)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 40V^{(3),(3)} \oplus 40V^{(3),(2,1)} \oplus 7V^{(3),(4)} \oplus 9V^{(3),(3,1)} \oplus 7V^{(3),(2,2)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 40V^{(2,1),(3)} \oplus 40V^{(2,1),(2,1)} \oplus 7V^{(2,1),(4)} \oplus 9V^{(2,1),(3,1)} \oplus 7V^{(2,1),(2,2)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 60V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(3)} \oplus 28V^{(1,1,1),(2,1)} \oplus 4V^{(1,1,1),(4)} \oplus 5V^{(1,1,1),(3,1)} \oplus 4V^{(1,1,1),(2,2)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 24V^{(4),(1,1)} \oplus 7V^{(4),(3)} \oplus 7V^{(4),(2,1)} \oplus 50V^{(3,1),(1)} \oplus 36V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 9V^{(3,1),(3)} \oplus 9V^{(3,1),(2,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 24V^{(2,1,1),(1,1)} \oplus 7V^{(2,1,1),(3)} \oplus 7V^{(2,1,1),(2,1)} \oplus 26V^{(4,1),(1)} \oplus 3V^{(4,1),(2)} \oplus 2V^{(4,1),(1,1)} \oplus 26V^{(3,1,1),(1)} \oplus 3V^{(3,1,1),(2)} \oplus 2V^{(3,1,1),(1,1)} \oplus V^{(4,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus$

Table 37: Table for $\lambda = (4,1,1)$, $\mu = (4,1,1)$:

$k = 12: \quad 180V^{\varnothing,\varnothing}$
$k = 11: \quad 1200V^{\varnothing,\varnothing} \oplus 116V^{\varnothing,(1)} \oplus 116V^{(1),\varnothing}$
$k = 10: \quad 1920V^{\varnothing,\varnothing} \oplus 1240V^{\varnothing,(1)} \oplus 39V^{\varnothing,(2)} \oplus 37V^{\varnothing,(1,1)} \oplus 1240V^{(1),\varnothing} \oplus 293V^{(1),(1)} \oplus 39V^{(2),\varnothing} \oplus 37V^{(1,1),\varnothing}$
$k = 9: \quad 1616V^{\varnothing,\varnothing} \oplus 1832V^{\varnothing,(1)} \oplus 476V^{\varnothing,(2)} \oplus 436V^{\varnothing,(1,1)} \oplus 12V^{\varnothing,(3)} \oplus 12V^{\varnothing,(2,1)} \oplus 9V^{\varnothing,(1,1,1)} \oplus 1832V^{(1),\varnothing} \oplus 1676V^{(1),(1)} \oplus 107V^{(1),(2)} \oplus 101V^{(1),(1,1)} \oplus 476V^{(2),\varnothing} \oplus 107V^{(2),(1)} \oplus 436V^{(1,1),\varnothing} \oplus 101V^{(1,1),(1)} \oplus 12V^{(3),\varnothing} \oplus 12V^{(2,1),\varnothing} \oplus 9V^{(1,1,1),\varnothing}$
$k = 8:$ $948V^{\varnothing,\varnothing} \oplus 1344V^{\varnothing,(1)} \oplus 588V^{\varnothing,(2)} \oplus 552V^{\varnothing,(1,1)} \oplus 184V^{\varnothing,(3)} \oplus 184V^{\varnothing,(2,1)} \oplus 112V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 1344V^{(1),\varnothing} \oplus 2330V^{(1),(1)} \oplus 636V^{(1),(2)} \oplus 588V^{(1),(1,1)} \oplus 35V^{(1),(3)} \oplus 35V^{(1),(2,1)} \oplus 27V^{(1),(1,1,1)} \oplus 588V^{(2),\varnothing} \oplus 636V^{(2),(1)} \oplus 71V^{(2),(2)} \oplus 65V^{(2),(1,1)} \oplus 552V^{(1,1),\varnothing} \oplus 588V^{(1,1),(1)} \oplus 65V^{(1,1),(2)} \oplus 61V^{(1,1),(1,1)} \oplus 184V^{(3),\varnothing} \oplus 35V^{(3),(1)} \oplus 184V^{(2,1),\varnothing} \oplus 35V^{(2,1),(1)} \oplus 112V^{(1,1,1),\varnothing} \oplus 27V^{(1,1,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 320V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 320V^{\varnothing,(2)} \oplus 320V^{\varnothing,(1,1)} \oplus 160V^{\varnothing,(3)} \oplus 160V^{\varnothing,(2,1)} \oplus 110V^{\varnothing,(1,1,1)} \oplus 46V^{\varnothing,(4)} \oplus 72V^{\varnothing,(3,1)} \oplus 46V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 774V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 232V^{(1),(3)} \oplus 232V^{(1),(2,1)} \oplus 168V^{(1),(1,1,1)} \oplus 9V^{(1),(4)} \oplus 11V^{(1),(3,1)} \oplus 9V^{(1),(2,1,1)} \oplus 320V^{(2),\varnothing} \oplus 774V^{(2),(1)} \oplus 260V^{(2),(2)} \oplus 236V^{(2),(1,1)} \oplus 29V^{(2),(3)} \oplus 29V^{(2),(2,1)} \oplus 21V^{(2),(1,1,1)} \oplus 320V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 236V^{(1,1),(2)} \oplus 220V^{(1,1),(1,1)} \oplus 25V^{(1,1),(3)} \oplus 25V^{(1,1),(2,1)} \oplus 19V^{(1,1),(1,1,1)} \oplus 160V^{(3),\varnothing} \oplus 232V^{(3),(1)} \oplus 29V^{(3),(2)} \oplus 25V^{(3),(1,1)} \oplus 160V^{(2,1),\varnothing} \oplus 232V^{(2,1),(1)} \oplus 29V^{(2,1),(2)} \oplus 25V^{(2,1),(1,1)} \oplus 110V^{(1,1,1),\varnothing} \oplus 168V^{(1,1,1),(1)} \oplus 21V^{(1,1,1),(2)} \oplus 19V^{(1,1,1),(1,1)} \oplus 46V^{(4),\varnothing} \oplus 9V^{(4),(1)} \oplus 72V^{(3,1),\varnothing} \oplus 11V^{(3,1),(1)} \oplus 46V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,\varnothing} \oplus 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(3)} \oplus 40V^{\varnothing,(2,1)} \oplus 40V^{\varnothing,(1,1,1)} \oplus 20V^{\varnothing,(4)} \oplus 20V^{\varnothing,(3,1)} \oplus 20V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(4,1)} \oplus 10V^{\varnothing,(3,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,1,1)} \oplus 70V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 270V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 96V^{(2),(3)} \oplus 96V^{(2),(2,1)} \oplus 68V^{(2),(1,1,1)} \oplus 9V^{(2),(4)} \oplus 11V^{(2),(3,1)} \oplus 9V^{(2),(2,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 250V^{(1,1),(1,1)} \oplus 88V^{(1,1),(3)} \oplus 88V^{(1,1),(2,1)} \oplus 64V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(4)} \oplus 9V^{(1,1),(3,1)} \oplus 7V^{(1,1),(2,1,1)} \oplus 40V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 96V^{(3),(2)} \oplus 88V^{(3),(1,1)} \oplus 19V^{(3),(3)} \oplus 19V^{(3),(2,1)} \oplus 13V^{(3),(1,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 96V^{(2,1),(2)} \oplus 88V^{(2,1),(1,1)} \oplus 19V^{(2,1),(3)} \oplus 19V^{(2,1),(2,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus 40V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 68V^{(1,1,1),(2)} \oplus 64V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(3)} \oplus 13V^{(1,1,1),(2,1)} \oplus 10V^{(1,1,1),(1,1,1)} \oplus 20V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 9V^{(4),(2)} \oplus 7V^{(4),(1,1)} \oplus 20V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 11V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 20V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 7V^{(2,1,1),(1,1)} \oplus 10V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 10V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,1,1)} \oplus V^{(1),(4,1,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(4)} \oplus 36V^{(2),(3,1)} \oplus 28V^{(2),(2,1,1)} \oplus 3V^{(2),(4,1)} \oplus 3V^{(2),(3,1,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(4)} \oplus 36V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(4,1)} \oplus 3V^{(1,1),(3,1,1)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 40V^{(3),(3)} \oplus 40V^{(3),(2,1)} \oplus 28V^{(3),(1,1,1)} \oplus 7V^{(3),(4)} \oplus 9V^{(3),(3,1)} \oplus 7V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 40V^{(2,1),(3)} \oplus 40V^{(2,1),(2,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(4)} \oplus 9V^{(2,1),(3,1)} \oplus 7V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(3)} \oplus 28V^{(1,1,1),(2,1)} \oplus 22V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(4)} \oplus 5V^{(1,1,1),(3,1)} \oplus 4V^{(1,1,1),(2,1,1)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 7V^{(4),(3)} \oplus 7V^{(4),(2,1)} \oplus 4V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 36V^{(3,1),(2)} \oplus$

Table 38: Table for $\lambda = (4,1,1)$, $\mu = (3,3)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1042V^{\varnothing,\varnothing} \oplus 89V^{\varnothing,(1)} \oplus 74V^{(1),\varnothing}$
$k = 10: \quad 1782V^{\varnothing,\varnothing} \oplus 1074V^{\varnothing,(1)} \oplus 31V^{\varnothing,(2)} \oplus 30V^{\varnothing,(1,1)} \oplus 1062V^{(1),\varnothing} \oplus 221V^{(1),(1)} \oplus 31V^{(2),\varnothing} \oplus 29V^{(1,1),\varnothing}$
$k = 9: \quad 1410V^{\varnothing,\varnothing} \oplus 1688V^{\varnothing,(1)} \oplus 412V^{\varnothing,(2)} \oplus 308V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(3)} \oplus 10V^{\varnothing,(2,1)} \oplus 1564V^{(1),\varnothing} \oplus 1460V^{(1),(1)} \oplus 83V^{(1),(2)} \oplus 81V^{(1),(1,1)} \oplus 418V^{(2),\varnothing} \oplus 65V^{(2),(1)} \oplus 378V^{(1,1),\varnothing} \oplus 61V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8: \quad 698V^{\varnothing,\varnothing} \oplus 1296V^{\varnothing,(1)} \oplus 552V^{\varnothing,(2)} \oplus 402V^{\varnothing,(1,1)} \oplus 112V^{\varnothing,(3)} \oplus 164V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 984V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 552V^{(1),(2)} \oplus 472V^{(1),(1,1)} \oplus 27V^{(1),(3)} \oplus 29V^{(1),(2,1)} \oplus 498V^{(2),\varnothing} \oplus 564V^{(2),(1)} \oplus 53V^{(2),(2)} \oplus 51V^{(2),(1,1)} \oplus 462V^{(1,1),\varnothing} \oplus 532V^{(1,1),(1)} \oplus 49V^{(1,1),(2)} \oplus 47V^{(1,1),(1,1)} \oplus 164V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 164V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 92V^{(1,1,1),\varnothing} \oplus 19V^{(1,1,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 320V^{\varnothing,(2)} \oplus 240V^{\varnothing,(1,1)} \oplus 110V^{\varnothing,(3)} \oplus 160V^{\varnothing,(2,1)} \oplus 46V^{\varnothing,(3,1)} \oplus 46V^{\varnothing,(2,2)} \oplus V^{\varnothing,(3,2)} \oplus 365V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 630V^{(1),(1,1)} \oplus 168V^{(1),(3)} \oplus 208V^{(1),(2,1)} \oplus 9V^{(1),(3,1)} \oplus 9V^{(1),(2,2)} \oplus 220V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 224V^{(2),(2)} \oplus 192V^{(2),(1,1)} \oplus 21V^{(2),(3)} \oplus 23V^{(2),(2,1)} \oplus 220V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 208V^{(1,1),(2)} \oplus 176V^{(1,1),(1,1)} \oplus 19V^{(1,1),(3)} \oplus 21V^{(1,1),(2,1)} \oplus 130V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 19V^{(3),(2)} \oplus 17V^{(3),(1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 19V^{(2,1),(2)} \oplus 17V^{(2,1),(1,1)} \oplus 80V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 13V^{(1,1,1),(2)} \oplus 12V^{(1,1,1),(1,1)} \oplus 36V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus 62V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 36V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,1,1),\varnothing}$
$k = 6:$ $100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(3)} \oplus 40V^{\varnothing,(2,1)} \oplus 20V^{\varnothing,(3,1)} \oplus 20V^{\varnothing,(2,2)} \oplus 10V^{\varnothing,(3,2)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(3,2)} \oplus 25V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 222V^{(2),(1,1)} \oplus 68V^{(2),(3)} \oplus 84V^{(2),(2,1)} \oplus 9V^{(2),(3,1)} \oplus 9V^{(2),(2,2)} \oplus 25V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 250V^{(1,1),(2)} \oplus 214V^{(1,1),(1,1)} \oplus 64V^{(1,1),(3)} \oplus 80V^{(1,1),(2,1)} \oplus 7V^{(1,1),(3,1)} \oplus 7V^{(1,1),(2,2)} \oplus 15V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 88V^{(3),(2)} \oplus 72V^{(3),(1,1)} \oplus 13V^{(3),(3)} \oplus 15V^{(3),(2,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 88V^{(2,1),(2)} \oplus 72V^{(2,1),(1,1)} \oplus 13V^{(2,1),(3)} \oplus 15V^{(2,1),(2,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus 56V^{(1,1,1),(1,1)} \oplus 10V^{(1,1,1),(3)} \oplus 11V^{(1,1,1),(2,1)} \oplus 10V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 7V^{(4),(2)} \oplus 6V^{(4),(1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 7V^{(3,1),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 7V^{(2,1,1),(2)} \oplus 6V^{(2,1,1),(1,1)} \oplus 5V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 5V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(3,3)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 28V^{(2),(3,1)} \oplus 28V^{(2),(2,2)} \oplus 3V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 28V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,2)} \oplus 3V^{(1,1),(3,2)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 28V^{(3),(3)} \oplus 36V^{(3),(2,1)} \oplus 7V^{(3),(3,1)} \oplus 7V^{(3),(2,2)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 28V^{(2,1),(3)} \oplus 36V^{(2,1),(2,1)} \oplus 7V^{(2,1),(3,1)} \oplus 7V^{(2,1),(2,2)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 60V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(3)} \oplus 26V^{(1,1,1),(2,1)} \oplus 4V^{(1,1,1),(3,1)} \oplus 4V^{(1,1,1),(2,2)} \oplus 50V^{(4),(1)} \oplus 28V^{(4),(2)} \oplus 24V^{(4),(1,1)} \oplus 4V^{(4),(3)} \oplus 5V^{(4),(2,1)} \oplus 50V^{(3,1),(1)} \oplus 36V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 5V^{(3,1),(3)} \oplus 7V^{(3,1),(2,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 24V^{(2,1,1),(1,1)} \oplus 4V^{(2,1,1),(3)} \oplus 5V^{(2,1,1),(2,1)} \oplus 26V^{(4,1),(1)} \oplus 3V^{(4,1),(2)} \oplus 2V^{(4,1),(1,1)} \oplus 26V^{(3,1,1),(1)} \oplus 3V^{(3,1,1),(2)} \oplus 2V^{(3,1,1),(1,1)} \oplus V^{(4,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(3,3)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus 10V^{(1,1),(3,2)} \oplus V^{(1,1),(3,3)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 22V^{(3),(3)} \oplus 26V^{(3),(2,1)} \oplus 12V^{(3),(3,1)} \oplus 12V^{(3),(2,2)} \oplus 3V^{(3),(3,2)} \oplus 24V^{(2,1),(2)} \oplus$	

Table 39: Table for $\lambda = (4,1,1)$, $\mu = (3,2,1)$:

$k = 12: \quad 63V^{\varnothing,\varnothing}$
$k = 11: \quad 1240V^{\varnothing,\varnothing} \oplus 135V^{\varnothing,(1)} \oplus 156V^{(1),\varnothing}$
$k = 10: \quad 2038V^{\varnothing,\varnothing} \oplus 1278V^{\varnothing,(1)} \oplus 45V^{\varnothing,(2)} \oplus 45V^{\varnothing,(1,1)} \oplus 1408V^{(1),\varnothing} \oplus 341V^{(1),(1)} \oplus 42V^{(2),\varnothing} \oplus 40V^{(1,1),\varnothing}$
$k = 9: \quad 1796V^{\varnothing,\varnothing} \oplus 1832V^{\varnothing,(1)} \oplus 500V^{\varnothing,(2)} \oplus 500V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 2132V^{(1),\varnothing} \oplus 1724V^{(1),(1)} \oplus 125V^{(1),(2)} \oplus 125V^{(1),(1,1)} \oplus 536V^{(2),\varnothing} \oplus 131V^{(2),(1)} \oplus 496V^{(1,1),\varnothing} \oplus 125V^{(1,1),(1)} \oplus 12V^{(3),\varnothing} \oplus 12V^{(2,1),\varnothing} \oplus 9V^{(1,1,1),\varnothing}$
$k = 8:$ $968V^{\varnothing,\varnothing} \oplus 1344V^{\varnothing,(1)} \oplus 588V^{\varnothing,(2)} \oplus 588V^{\varnothing,(1,1)} \oplus 132V^{\varnothing,(3)} \oplus 256V^{\varnothing,(2,1)} \oplus 132V^{\varnothing,(1,1,1)} \oplus 4V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 1680V^{(1),\varnothing} \oplus 2330V^{(1),(1)} \oplus 672V^{(1),(2)} \oplus 672V^{(1),(1,1)} \oplus 33V^{(1),(3)} \oplus 43V^{(1),(2,1)} \oplus 33V^{(1),(1,1,1)} \oplus 696V^{(2),\varnothing} \oplus 636V^{(2),(1)} \oplus 83V^{(2),(2)} \oplus 83V^{(2),(1,1)} \oplus 660V^{(1,1),\varnothing} \oplus 588V^{(1,1),(1)} \oplus 77V^{(1,1),(2)} \oplus 77V^{(1,1),(1,1)} \oplus 208V^{(3),\varnothing} \oplus 35V^{(3),(1)} \oplus 208V^{(2,1),\varnothing} \oplus 35V^{(2,1),(1)} \oplus 136V^{(1,1,1),\varnothing} \oplus 27V^{(1,1,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 280V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 320V^{\varnothing,(2)} \oplus 320V^{\varnothing,(1,1)} \oplus 110V^{\varnothing,(3)} \oplus 210V^{\varnothing,(2,1)} \oplus 110V^{\varnothing,(1,1,1)} \oplus 72V^{\varnothing,(3,1)} \oplus 72V^{\varnothing,(2,2)} \oplus 72V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(3,2)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 880V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 774V^{(1),(2)} \oplus 774V^{(1),(1,1)} \oplus 192V^{(1),(3)} \oplus 296V^{(1),(2,1)} \oplus 192V^{(1),(1,1,1)} \oplus 11V^{(1),(3,1)} \oplus 11V^{(1),(2,2)} \oplus 11V^{(1),(2,1,1)} \oplus 416V^{(2),\varnothing} \oplus 774V^{(2),(1)} \oplus 272V^{(2),(2)} \oplus 272V^{(2),(1,1)} \oplus 27V^{(2),(3)} \oplus 37V^{(2),(2,1)} \oplus 27V^{(2),(1,1,1)} \oplus 416V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 248V^{(1,1),(2)} \oplus 248V^{(1,1),(1,1)} \oplus 23V^{(1,1),(3)} \oplus 31V^{(1,1),(2,1)} \oplus 23V^{(1,1),(1,1,1)} \oplus 196V^{(3),\varnothing} \oplus 232V^{(3),(1)} \oplus 35V^{(3),(2)} \oplus 35V^{(3),(1,1)} \oplus 196V^{(2,1),\varnothing} \oplus 232V^{(2,1),(1)} \oplus 35V^{(2,1),(2)} \oplus 35V^{(2,1),(1,1)} \oplus 146V^{(1,1,1),\varnothing} \oplus 168V^{(1,1,1),(1)} \oplus 27V^{(1,1,1),(2)} \oplus 27V^{(1,1,1),(1,1)} \oplus 58V^{(4),\varnothing} \oplus 9V^{(4),(1)} \oplus 84V^{(3,1),\varnothing} \oplus 11V^{(3,1),(1)} \oplus 58V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(3)} \oplus 40V^{\varnothing,(2,1)} \oplus 40V^{\varnothing,(1,1,1)} \oplus 20V^{\varnothing,(3,1)} \oplus 20V^{\varnothing,(2,2)} \oplus 20V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(3,2)} \oplus 10V^{\varnothing,(3,1,1)} \oplus 10V^{\varnothing,(2,2,1)} \oplus 256V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 258V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 92V^{(1),(3,1)} \oplus 92V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 3V^{(1),(3,2)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 128V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 270V^{(2),(2)} \oplus 270V^{(2),(1,1)} \oplus 80V^{(2),(3)} \oplus 124V^{(2),(2,1)} \oplus 80V^{(2),(1,1,1)} \oplus 11V^{(2),(3,1)} \oplus 11V^{(2),(2,2)} \oplus 11V^{(2),(2,1,1)} \oplus 128V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 72V^{(1,1),(3)} \oplus 112V^{(1,1),(2,1)} \oplus 72V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(3,1)} \oplus 9V^{(1,1),(2,2)} \oplus 9V^{(1,1),(2,1,1)} \oplus 64V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 96V^{(3),(2)} \oplus 96V^{(3),(1,1)} \oplus 17V^{(3),(3)} \oplus 25V^{(3),(2,1)} \oplus 17V^{(3),(1,1,1)} \oplus 64V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 96V^{(2,1),(2)} \oplus 96V^{(2,1),(1,1)} \oplus 17V^{(2,1),(3)} \oplus 25V^{(2,1),(2,1)} \oplus 17V^{(2,1),(1,1,1)} \oplus 64V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 68V^{(1,1,1),(2)} \oplus 68V^{(1,1,1),(1,1)} \oplus 12V^{(1,1,1),(3)} \oplus 16V^{(1,1,1),(2,1)} \oplus 12V^{(1,1,1),(1,1,1)} \oplus 32V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 9V^{(4),(2)} \oplus 9V^{(4),(1,1)} \oplus 32V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 11V^{(3,1),(2)} \oplus 11V^{(3,1),(1,1)} \oplus 32V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 16V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 16V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(3,2)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(3,2,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 90V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 36V^{(2),(3,1)} \oplus 36V^{(2),(2,2)} \oplus 36V^{(2),(2,1,1)} \oplus 3V^{(2),(3,2)} \oplus 3V^{(2),(3,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 90V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 36V^{(1,1),(3,1)} \oplus 36V^{(1,1),(2,2)} \oplus 36V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(3,2)} \oplus 3V^{(1,1),(3,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 32V^{(3),(3)} \oplus 52V^{(3),(2,1)} \oplus 32V^{(3),(1,1,1)} \oplus 9V^{(3),(3,1)} \oplus 9V^{(3),(2,2)} \oplus 9V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 32V^{(2,1),(3)} \oplus 52V^{(2,1),(2,1)} \oplus 32V^{(2,1),(1,1,1)} \oplus 9V^{(2,1),(3,1)} \oplus 9V^{(2,1),(2,2)} \oplus 9V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 24V^{(1,1,1),(3)} \oplus 34V^{(1,1,1),(2,1)} \oplus 24V^{(1,1,1),(1,1,1)} \oplus 5V^{(1,1,1),(3,1)} \oplus 5V^{(1,1,1),(2,2)} \oplus 5V^{(1,1,1),(2,1,1)} \oplus$

Table 40: Table for $\lambda = (4,1,1)$, $\mu = (3,1,1,1)$:

$k = 12: \quad 63V^{\varnothing,\varnothing}$
$k = 11: \quad 1180V^{\varnothing,\varnothing} \oplus 116V^{\varnothing,(1)} \oplus 116V^{(1),\varnothing}$
$k = 10: \quad 1918V^{\varnothing,\varnothing} \oplus 1240V^{\varnothing,(1)} \oplus 37V^{\varnothing,(2)} \oplus 39V^{\varnothing,(1,1)} \oplus 1240V^{(1),\varnothing} \oplus 293V^{(1),(1)} \oplus 39V^{(2),\varnothing} \oplus 37V^{(1,1),\varnothing}$
$k = 9: \quad 1616V^{\varnothing,\varnothing} \oplus 1832V^{\varnothing,(1)} \oplus 436V^{\varnothing,(2)} \oplus 476V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(3)} \oplus 12V^{\varnothing,(2,1)} \oplus 12V^{\varnothing,(1,1,1)} \oplus 1832V^{(1),\varnothing} \oplus 1676V^{(1),(1)} \oplus 101V^{(1),(2)} \oplus 107V^{(1),(1,1)} \oplus 476V^{(2),\varnothing} \oplus 107V^{(2),(1)} \oplus 436V^{(1,1),\varnothing} \oplus 101V^{(1,1),(1)} \oplus 12V^{(3),\varnothing} \oplus 12V^{(2,1),\varnothing} \oplus 9V^{(1,1,1),\varnothing}$
$k = 8: \quad 848V^{\varnothing,\varnothing} \oplus 1344V^{\varnothing,(1)} \oplus 552V^{\varnothing,(2)} \oplus 588V^{\varnothing,(1,1)} \oplus 112V^{\varnothing,(3)} \oplus 184V^{\varnothing,(2,1)} \oplus 184V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1344V^{(1),\varnothing} \oplus 2330V^{(1),(1)} \oplus 588V^{(1),(2)} \oplus 636V^{(1),(1,1)} \oplus 27V^{(1),(3)} \oplus 35V^{(1),(2,1)} \oplus 35V^{(1),(1,1,1)} \oplus 588V^{(2),\varnothing} \oplus 636V^{(2),(1)} \oplus 65V^{(2),(2)} \oplus 71V^{(2),(1,1)} \oplus 552V^{(1,1),\varnothing} \oplus 588V^{(1,1),(1)} \oplus 61V^{(1,1),(2)} \oplus 65V^{(1,1),(1,1)} \oplus 184V^{(3),\varnothing} \oplus 35V^{(3),(1)} \oplus 184V^{(2,1),\varnothing} \oplus 35V^{(2,1),(1)} \oplus 112V^{(1,1,1),\varnothing} \oplus 27V^{(1,1,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 220V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 320V^{\varnothing,(2)} \oplus 320V^{\varnothing,(1,1)} \oplus 110V^{\varnothing,(3)} \oplus 160V^{\varnothing,(2,1)} \oplus 160V^{\varnothing,(1,1,1)} \oplus 46V^{\varnothing,(3,1)} \oplus 72V^{\varnothing,(2,1,1)} \oplus 46V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 774V^{(1),(1,1)} \oplus 168V^{(1),(3)} \oplus 232V^{(1),(2,1)} \oplus 232V^{(1),(1,1,1)} \oplus 9V^{(1),(3,1)} \oplus 11V^{(1),(2,1,1)} \oplus 9V^{(1),(1,1,1,1)} \oplus 320V^{(2),\varnothing} \oplus 774V^{(2),(1)} \oplus 236V^{(2),(2)} \oplus 260V^{(2),(1,1)} \oplus 21V^{(2),(3)} \oplus 29V^{(2),(2,1)} \oplus 29V^{(2),(1,1,1)} \oplus 320V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 220V^{(1,1),(2)} \oplus 236V^{(1,1),(1,1)} \oplus 19V^{(1,1),(3)} \oplus 25V^{(1,1),(2,1)} \oplus 25V^{(1,1),(1,1,1)} \oplus 160V^{(3),\varnothing} \oplus 232V^{(3),(1)} \oplus 25V^{(3),(2)} \oplus 29V^{(3),(1,1)} \oplus 160V^{(2,1),\varnothing} \oplus 232V^{(2,1),(1)} \oplus 25V^{(2,1),(2)} \oplus 29V^{(2,1),(1,1)} \oplus 110V^{(1,1,1),\varnothing} \oplus 168V^{(1,1,1),(1)} \oplus 19V^{(1,1,1),(2)} \oplus 21V^{(1,1,1),(1,1)} \oplus 46V^{(4),\varnothing} \oplus 9V^{(4),(1)} \oplus 72V^{(3,1),\varnothing} \oplus 11V^{(3,1),(1)} \oplus 46V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,1,1),\varnothing}$
$k = 6:$ $100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(3)} \oplus 40V^{\varnothing,(2,1)} \oplus 40V^{\varnothing,(1,1,1)} \oplus 20V^{\varnothing,(3,1)} \oplus 20V^{\varnothing,(2,1,1)} \oplus 20V^{\varnothing,(1,1,1,1)} \oplus 10V^{\varnothing,(3,1,1)} \oplus 10V^{\varnothing,(2,1,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(3,1)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 70V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 270V^{(2),(1,1)} \oplus 68V^{(2),(3)} \oplus 96V^{(2),(2,1)} \oplus 96V^{(2),(1,1,1)} \oplus 9V^{(2),(3,1)} \oplus 11V^{(2),(2,1,1)} \oplus 9V^{(2),(1,1,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 250V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 64V^{(1,1),(3)} \oplus 88V^{(1,1),(2,1)} \oplus 88V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(3,1)} \oplus 9V^{(1,1),(2,1,1)} \oplus 7V^{(1,1),(1,1,1,1)} \oplus 40V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 88V^{(3),(2)} \oplus 96V^{(3),(1,1)} \oplus 13V^{(3),(3)} \oplus 19V^{(3),(2,1)} \oplus 19V^{(3),(1,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 88V^{(2,1),(2)} \oplus 96V^{(2,1),(1,1)} \oplus 13V^{(2,1),(3)} \oplus 19V^{(2,1),(2,1)} \oplus 19V^{(2,1),(1,1,1)} \oplus 40V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus 68V^{(1,1,1),(1,1)} \oplus 10V^{(1,1,1),(3)} \oplus 13V^{(1,1,1),(2,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus 20V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 7V^{(4),(2)} \oplus 9V^{(4),(1,1)} \oplus 20V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 11V^{(3,1),(1,1)} \oplus 20V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 7V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 10V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 10V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(3,1,1,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(3,1)} \oplus 36V^{(2),(2,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 3V^{(2),(3,1,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(3,1)} \oplus 36V^{(1,1),(2,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(3,1,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 80V^{(3),(1)} \oplus 78V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 28V^{(3),(3)} \oplus 40V^{(3),(2,1)} \oplus 40V^{(3),(1,1,1)} \oplus 7V^{(3),(3,1)} \oplus 9V^{(3),(2,1,1)} \oplus 7V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 28V^{(2,1),(3)} \oplus 40V^{(2,1),(2,1)} \oplus 40V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(3,1)} \oplus 9V^{(2,1),(2,1,1)} \oplus 7V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(3)} \oplus 28V^{(1,1,1),(2,1)} \oplus 28V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(3,1)} \oplus 5V^{(1,1,1),(2,1,1)} \oplus 4V^{(1,1,1),(1,1,1,1)} \oplus$

Table 41: Table for $\lambda = (4,1,1)$, $\mu = (2,2,2)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1042V^{\varnothing,\varnothing} \oplus 89V^{\varnothing,(1)} \oplus 74V^{(1),\varnothing}$
$k = 10: \quad 1782V^{\varnothing,\varnothing} \oplus 1074V^{\varnothing,(1)} \oplus 30V^{\varnothing,(2)} \oplus 31V^{\varnothing,(1,1)} \oplus 1062V^{(1),\varnothing} \oplus 221V^{(1),(1)} \oplus 31V^{(2),\varnothing} \oplus 29V^{(1,1),\varnothing}$
$k = 9: \quad 1410V^{\varnothing,\varnothing} \oplus 1688V^{\varnothing,(1)} \oplus 308V^{\varnothing,(2)} \oplus 412V^{\varnothing,(1,1)} \oplus 10V^{\varnothing,(2,1)} \oplus 9V^{\varnothing,(1,1,1)} \oplus 1564V^{(1),\varnothing} \oplus 1460V^{(1),(1)} \oplus 81V^{(1),(2)} \oplus 83V^{(1),(1,1)} \oplus 418V^{(2),\varnothing} \oplus 65V^{(2),(1)} \oplus 378V^{(1,1),\varnothing} \oplus 61V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8: \quad 698V^{\varnothing,\varnothing} \oplus 1296V^{\varnothing,(1)} \oplus 402V^{\varnothing,(2)} \oplus 552V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(2,1)} \oplus 112V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 984V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 472V^{(1),(2)} \oplus 552V^{(1),(1,1)} \oplus 29V^{(1),(2,1)} \oplus 27V^{(1),(1,1,1)} \oplus 498V^{(2),\varnothing} \oplus 564V^{(2),(1)} \oplus 51V^{(2),(2)} \oplus 53V^{(2),(1,1)} \oplus 462V^{(1,1),\varnothing} \oplus 532V^{(1,1),(1)} \oplus 47V^{(1,1),(2)} \oplus 49V^{(1,1),(1,1)} \oplus 164V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 164V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 92V^{(1,1,1),\varnothing} \oplus 19V^{(1,1,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 240V^{\varnothing,(2)} \oplus 320V^{\varnothing,(1,1)} \oplus 160V^{\varnothing,(2,1)} \oplus 110V^{\varnothing,(1,1,1)} \oplus 46V^{\varnothing,(2,2)} \oplus 46V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 365V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 630V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 208V^{(1),(2,1)} \oplus 168V^{(1),(1,1,1)} \oplus 9V^{(1),(2,2)} \oplus 9V^{(1),(2,1,1)} \oplus 220V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 192V^{(2),(2)} \oplus 224V^{(2),(1,1)} \oplus 23V^{(2),(2,1)} \oplus 21V^{(2),(1,1,1)} \oplus 220V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 176V^{(1,1),(2)} \oplus 208V^{(1,1),(1,1)} \oplus 21V^{(1,1),(2,1)} \oplus 19V^{(1,1),(1,1,1)} \oplus 130V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 17V^{(3),(2)} \oplus 19V^{(3),(1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 17V^{(2,1),(2)} \oplus 19V^{(2,1),(1,1)} \oplus 80V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 12V^{(1,1,1),(2)} \oplus 13V^{(1,1,1),(1,1)} \oplus 36V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus 62V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 36V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(2,1)} \oplus 40V^{\varnothing,(1,1,1)} \oplus 20V^{\varnothing,(2,2)} \oplus 20V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(2,2,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 25V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 222V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 84V^{(2),(2,1)} \oplus 68V^{(2),(1,1,1)} \oplus 9V^{(2),(2,2)} \oplus 9V^{(2),(2,1,1)} \oplus 25V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 214V^{(1,1),(2)} \oplus 250V^{(1,1),(1,1)} \oplus 80V^{(1,1),(2,1)} \oplus 64V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(2,2)} \oplus 7V^{(1,1),(2,1,1)} \oplus 15V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 72V^{(3),(2)} \oplus 88V^{(3),(1,1)} \oplus 15V^{(3),(2,1)} \oplus 13V^{(3),(1,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 72V^{(2,1),(2)} \oplus 88V^{(2,1),(1,1)} \oplus 15V^{(2,1),(2,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 56V^{(1,1,1),(2)} \oplus 64V^{(1,1,1),(1,1)} \oplus 11V^{(1,1,1),(2,1)} \oplus 10V^{(1,1,1),(1,1,1)} \oplus 10V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 6V^{(4),(2)} \oplus 7V^{(4),(1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 7V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 6V^{(2,1,1),(2)} \oplus 7V^{(2,1,1),(1,1)} \oplus 5V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 5V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(2,2,2)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(2,2)} \oplus 28V^{(2),(2,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,2)} \oplus 28V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 36V^{(3),(2,1)} \oplus 28V^{(3),(1,1,1)} \oplus 7V^{(3),(2,2)} \oplus 7V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 36V^{(2,1),(2,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(2,2)} \oplus 7V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 26V^{(1,1,1),(2,1)} \oplus 22V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(2,2)} \oplus 4V^{(1,1,1),(2,1,1)} \oplus 50V^{(4),(1)} \oplus 24V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 5V^{(4),(2,1)} \oplus 4V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 36V^{(3,1),(1,1)} \oplus 7V^{(3,1),(2,1)} \oplus 5V^{(3,1),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 24V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 5V^{(2,1,1),(2,1)} \oplus 4V^{(2,1,1),(1,1,1)} \oplus 26V^{(4,1),(1)} \oplus 2V^{(4,1),(2)} \oplus 3V^{(4,1),(1,1)} \oplus 26V^{(3,1,1),(1)} \oplus 2V^{(3,1,1),(2)} \oplus 3V^{(3,1,1),(1,1)} \oplus V^{(4,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus V^{(2),(2,2,2)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,2)} \oplus 18V^{(1,1),(2,1,1)} \oplus 10V^{(1,1),(2,2,1)} \oplus V^{(1,1),(2,2,2)} \oplus$

Table 42: Table for $\lambda = (4,1,1)$, $\mu = (2,2,1,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1082V^{\varnothing,\varnothing} \oplus 114V^{\varnothing,(1)} \oplus 92V^{(1),\varnothing}$
$k = 10: \quad 1862V^{\varnothing,\varnothing} \oplus 1160V^{\varnothing,(1)} \oplus 36V^{\varnothing,(2)} \oplus 39V^{\varnothing,(1,1)} \oplus 1170V^{(1),\varnothing} \oplus 287V^{(1),(1)} \oplus 32V^{(2),\varnothing} \oplus 30V^{(1,1),\varnothing}$
$k = 9: \quad 1490V^{\varnothing,\varnothing} \oplus 1724V^{\varnothing,(1)} \oplus 332V^{\varnothing,(2)} \oplus 476V^{\varnothing,(1,1)} \oplus 12V^{\varnothing,(2,1)} \oplus 12V^{\varnothing,(1,1,1)} \oplus 1764V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 99V^{(1),(2)} \oplus 107V^{(1),(1,1)} \oplus 458V^{(2),\varnothing} \oplus 101V^{(2),(1)} \oplus 418V^{(1,1),\varnothing} \oplus 97V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8:$ $738V^{\varnothing,\varnothing} \oplus 1296V^{\varnothing,(1)} \oplus 402V^{\varnothing,(2)} \oplus 588V^{\varnothing,(1,1)} \oplus 184V^{\varnothing,(2,1)} \oplus 184V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1144V^{(1),\varnothing} \oplus 2222V^{(1),(1)} \oplus 508V^{(1),(2)} \oplus 636V^{(1),(1,1)} \oplus 35V^{(1),(2,1)} \oplus 35V^{(1),(1,1,1)} \oplus 570V^{(2),\varnothing} \oplus 588V^{(2),(1)} \oplus 63V^{(2),(2)} \oplus 71V^{(2),(1,1)} \oplus 534V^{(1,1),\varnothing} \oplus 556V^{(1,1),(1)} \oplus 59V^{(1,1),(2)} \oplus 65V^{(1,1),(1,1)} \oplus 180V^{(3),\varnothing} \oplus 31V^{(3),(1)} \oplus 180V^{(2,1),\varnothing} \oplus 31V^{(2,1),(1)} \oplus 108V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 240V^{\varnothing,(2)} \oplus 320V^{\varnothing,(1,1)} \oplus 160V^{\varnothing,(2,1)} \oplus 160V^{\varnothing,(1,1,1)} \oplus 46V^{\varnothing,(2,2)} \oplus 72V^{\varnothing,(2,1,1)} \oplus 46V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 510V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 630V^{(1),(2)} \oplus 774V^{(1),(1,1)} \oplus 232V^{(1),(2,1)} \oplus 232V^{(1),(1,1,1)} \oplus 9V^{(1),(2,2)} \oplus 11V^{(1),(2,1,1)} \oplus 9V^{(1),(1,1,1,1)} \oplus 268V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 204V^{(2),(2)} \oplus 260V^{(2),(1,1)} \oplus 29V^{(2),(2,1)} \oplus 29V^{(2),(1,1,1)} \oplus 268V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 188V^{(1,1),(2)} \oplus 236V^{(1,1),(1,1)} \oplus 25V^{(1,1),(2,1)} \oplus 25V^{(1,1),(1,1,1)} \oplus 154V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 23V^{(3),(2)} \oplus 29V^{(3),(1,1)} \oplus 154V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 23V^{(2,1),(2)} \oplus 29V^{(2,1),(1,1)} \oplus 104V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 18V^{(1,1,1),(2)} \oplus 21V^{(1,1,1),(1,1)} \oplus 44V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus 70V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 44V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(2,1)} \oplus 40V^{\varnothing,(1,1,1)} \oplus 20V^{\varnothing,(2,2)} \oplus 20V^{\varnothing,(2,1,1)} \oplus 20V^{\varnothing,(1,1,1,1)} \oplus 10V^{\varnothing,(2,2,1)} \oplus 10V^{\varnothing,(2,1,1,1)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 54V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 222V^{(2),(2)} \oplus 270V^{(2),(1,1)} \oplus 96V^{(2),(2,1)} \oplus 96V^{(2),(1,1,1)} \oplus 9V^{(2),(2,2)} \oplus 11V^{(2),(2,1,1)} \oplus 9V^{(2),(1,1,1,1)} \oplus 54V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 214V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 88V^{(1,1),(2,1)} \oplus 88V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(2,2)} \oplus 9V^{(1,1),(2,1,1)} \oplus 7V^{(1,1),(1,1,1,1)} \oplus 27V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 72V^{(3),(2)} \oplus 96V^{(3),(1,1)} \oplus 19V^{(3),(2,1)} \oplus 19V^{(3),(1,1,1)} \oplus 27V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 72V^{(2,1),(2)} \oplus 96V^{(2,1),(1,1)} \oplus 19V^{(2,1),(2,1)} \oplus 19V^{(2,1),(1,1,1)} \oplus 27V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 56V^{(1,1,1),(2)} \oplus 68V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(2,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus 18V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 6V^{(4),(2)} \oplus 9V^{(4),(1,1)} \oplus 18V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 7V^{(3,1),(2)} \oplus 11V^{(3,1),(1,1)} \oplus 18V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 6V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 9V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 9V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(2,2,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(2,2)} \oplus 36V^{(2),(2,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,2)} \oplus 36V^{(1,1),(2,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 40V^{(3),(2,1)} \oplus 40V^{(3),(1,1,1)} \oplus 7V^{(3),(2,2)} \oplus 9V^{(3),(2,1,1)} \oplus 7V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 40V^{(2,1),(2,1)} \oplus 40V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(2,2)} \oplus 9V^{(2,1),(2,1,1)} \oplus 7V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(2,1)} \oplus 28V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(2,2)} \oplus 5V^{(1,1,1),(2,1,1)} \oplus 4V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(4),(1)} \oplus 24V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 7V^{(4),(2,1)} \oplus 7V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 36V^{(3,1),(1,1)} \oplus 9V^{(3,1),(2,1)} \oplus 9V^{(3,1),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 24V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 7V^{(2,1,1),(2,1)} \oplus 7V^{(2,1,1),(1,1,1)} \oplus 26V^{(4,1),(1)} \oplus$

Table 43: Table for $\lambda = (4,1,1)$, $\mu = (2,1,1,1,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1042V^{\varnothing,\varnothing} \oplus 108V^{\varnothing,(1)} \oplus 60V^{(1),\varnothing}$
$k = 10: \quad 1782V^{\varnothing,\varnothing} \oplus 1112V^{\varnothing,(1)} \oplus 28V^{\varnothing,(2)} \oplus 37V^{\varnothing,(1,1)} \oplus 1050V^{(1),\varnothing} \oplus 269V^{(1),(1)} \oplus 28V^{(2),\varnothing} \oplus 26V^{(1,1),\varnothing}$
$k = 9: \quad 1410V^{\varnothing,\varnothing} \oplus 1688V^{\varnothing,(1)} \oplus 268V^{\varnothing,(2)} \oplus 436V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(2,1)} \oplus 12V^{\varnothing,(1,1,1)} \oplus 1564V^{(1),\varnothing} \oplus 1508V^{(1),(1)} \oplus 75V^{(1),(2)} \oplus 101V^{(1),(1,1)} \oplus 418V^{(2),\varnothing} \oplus 89V^{(2),(1)} \oplus 378V^{(1,1),\varnothing} \oplus 85V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8: \quad 698V^{\varnothing,\varnothing} \oplus 1296V^{\varnothing,(1)} \oplus 366V^{\varnothing,(2)} \oplus 552V^{\varnothing,(1,1)} \oplus 112V^{\varnothing,(2,1)} \oplus 184V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 4V^{\varnothing,(1,1,1,1)} \oplus 984V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 424V^{(1),(2)} \oplus 588V^{(1),(1,1)} \oplus 27V^{(1),(2,1)} \oplus 35V^{(1),(1,1,1)} \oplus 498V^{(2),\varnothing} \oplus 564V^{(2),(1)} \oplus 45V^{(2),(2)} \oplus 65V^{(2),(1,1)} \oplus 462V^{(1,1),\varnothing} \oplus 532V^{(1,1),(1)} \oplus 43V^{(1,1),(2)} \oplus 61V^{(1,1),(1,1)} \oplus 164V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 164V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 92V^{(1,1,1),\varnothing} \oplus 19V^{(1,1,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 240V^{\varnothing,(2)} \oplus 320V^{\varnothing,(1,1)} \oplus 110V^{\varnothing,(2,1)} \oplus 160V^{\varnothing,(1,1,1)} \oplus 46V^{\varnothing,(2,1,1)} \oplus 72V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus 340V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 594V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 168V^{(1),(2,1)} \oplus 232V^{(1),(1,1,1)} \oplus 9V^{(1),(2,1,1)} \oplus 11V^{(1),(1,1,1,1)} \oplus 220V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 168V^{(2),(2)} \oplus 236V^{(2),(1,1)} \oplus 21V^{(2),(2,1)} \oplus 29V^{(2),(1,1,1)} \oplus 220V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 160V^{(1,1),(2)} \oplus 220V^{(1,1),(1,1)} \oplus 19V^{(1,1),(2,1)} \oplus 25V^{(1,1),(1,1,1)} \oplus 130V^{(3),\varnothing} \oplus 216V^{(3),(1)} \oplus 13V^{(3),(2)} \oplus 25V^{(3),(1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 13V^{(2,1),(2)} \oplus 25V^{(2,1),(1,1)} \oplus 80V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 10V^{(1,1,1),(2)} \oplus 19V^{(1,1,1),(1,1)} \oplus 36V^{(4),\varnothing} \oplus 7V^{(4),(1)} \oplus 62V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 36V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus V^{(4,1),\varnothing} \oplus V^{(3,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(2,1)} \oplus 40V^{\varnothing,(1,1,1)} \oplus 20V^{\varnothing,(2,1,1)} \oplus 20V^{\varnothing,(1,1,1,1)} \oplus 10V^{\varnothing,(2,1,1,1)} \oplus 10V^{\varnothing,(1,1,1,1,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,1,1)} \oplus 92V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus 20V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 210V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 68V^{(2),(2,1)} \oplus 96V^{(2),(1,1,1)} \oplus 9V^{(2),(2,1,1)} \oplus 11V^{(2),(1,1,1,1)} \oplus 20V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 206V^{(1,1),(2)} \oplus 250V^{(1,1),(1,1)} \oplus 64V^{(1,1),(2,1)} \oplus 88V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(2,1,1)} \oplus 9V^{(1,1),(1,1,1,1)} \oplus 15V^{(3),\varnothing} \oplus 222V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 88V^{(3),(1,1)} \oplus 13V^{(3),(2,1)} \oplus 19V^{(3),(1,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 88V^{(2,1),(1,1)} \oplus 13V^{(2,1),(2,1)} \oplus 19V^{(2,1),(1,1,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 52V^{(1,1,1),(2)} \oplus 64V^{(1,1,1),(1,1)} \oplus 10V^{(1,1,1),(2,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus 10V^{(4),\varnothing} \oplus 72V^{(4),(1)} \oplus 4V^{(4),(2)} \oplus 7V^{(4),(1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 5V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 4V^{(2,1,1),(2)} \oplus 7V^{(2,1,1),(1,1)} \oplus 5V^{(4,1),\varnothing} \oplus 3V^{(4,1),(1)} \oplus 5V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus V^{(1),(2,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(2,1,1)} \oplus 36V^{(2),(1,1,1,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 3V^{(2),(1,1,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,1,1)} \oplus 36V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 3V^{(1,1),(1,1,1,1,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 78V^{(3),(1,1)} \oplus 28V^{(3),(2,1)} \oplus 40V^{(3),(1,1,1)} \oplus 7V^{(3),(2,1,1)} \oplus 9V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 28V^{(2,1),(2,1)} \oplus 40V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(2,1,1)} \oplus 9V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(2,1)} \oplus 28V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(2,1,1)} \oplus 5V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(4),(1)} \oplus 24V^{(4),(2)} \oplus 28V^{(4),(1,1)} \oplus 4V^{(4),(2,1)} \oplus 7V^{(4),(1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 36V^{(3,1),(1,1)} \oplus 5V^{(3,1),(2,1)} \oplus 9V^{(3,1),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 24V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 4V^{(2,1,1),(2,1)} \oplus 7V^{(2,1,1),(1,1,1)} \oplus 26V^{(4,1),(1)} \oplus 2V^{(4,1),(2)} \oplus 3V^{(4,1),(1,1)} \oplus 26V^{(3,1,1),(1)} \oplus 2V^{(3,1,1),(2)} \oplus 3V^{(3,1,1),(1,1)} \oplus V^{(4,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,1,1)} \oplus$

Table 44: Table for $\lambda = (4,1,1)$, $\mu = (1,1,1,1,1,1)$:

$k = 12: \quad 3V^{\varnothing,\varnothing}$
$k = 11: \quad 802V^{\varnothing,\varnothing} \oplus 80V^{\varnothing,(1)} \oplus 12V^{(1),\varnothing}$
$k = 10:$ $1440V^{\varnothing,\varnothing} \oplus 686V^{\varnothing,(1)} \oplus 28V^{\varnothing,(1,1)} \oplus 694V^{(1),\varnothing} \oplus 195V^{(1),(1)} \oplus 9V^{(2),\varnothing} \oplus 8V^{(1,1),\varnothing}$
$k = 9: \quad 1200V^{\varnothing,\varnothing} \oplus 1094V^{\varnothing,(1)} \oplus 268V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(1,1,1)} \oplus 1105V^{(1),\varnothing} \oplus$ $1092V^{(1),(1)} \oplus 75V^{(1),(1,1)} \oplus 286V^{(2),\varnothing} \oplus 45V^{(2),(1)} \oplus 266V^{(1,1),\varnothing} \oplus 43V^{(1,1),(1)} \oplus$ $6V^{(3),\varnothing} \oplus 6V^{(2,1),\varnothing} \oplus 4V^{(1,1,1),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 928V^{\varnothing,(1)} \oplus 366V^{\varnothing,(1,1)} \oplus 112V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus$ $728V^{(1),\varnothing} \oplus 1718V^{(1),(1)} \oplus 424V^{(1),(1,1)} \oplus 27V^{(1),(1,1,1)} \oplus 363V^{(2),\varnothing} \oplus 412V^{(2),(1)} \oplus$ $45V^{(2),(1,1)} \oplus 345V^{(1,1),\varnothing} \oplus 396V^{(1,1),(1)} \oplus 43V^{(1,1),(1,1)} \oplus 128V^{(3),\varnothing} \oplus 13V^{(3),(1)} \oplus$ $128V^{(2,1),\varnothing} \oplus 13V^{(2,1),(1)} \oplus 66V^{(1,1,1),\varnothing} \oplus 10V^{(1,1,1),(1)} \oplus 3V^{(4),\varnothing} \oplus 4V^{(3,1),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 470V^{\varnothing,(1)} \oplus 240V^{\varnothing,(1,1)} \oplus 110V^{\varnothing,(1,1,1)} \oplus 46V^{\varnothing,(1,1,1,1)} \oplus$ $V^{\varnothing,(1,1,1,1,1)} \oplus 245V^{(1),\varnothing} \oplus 1316V^{(1),(1)} \oplus 594V^{(1),(1,1)} \oplus 168V^{(1),(1,1,1)} \oplus 9V^{(1),(1,1,1,1)} \oplus$ $164V^{(2),\varnothing} \oplus 594V^{(2),(1)} \oplus 168V^{(2),(1,1)} \oplus 21V^{(2),(1,1,1)} \oplus 164V^{(1,1),\varnothing} \oplus 582V^{(1,1),(1)} \oplus$ $160V^{(1,1),(1,1)} \oplus 19V^{(1,1),(1,1,1)} \oplus 103V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 13V^{(3),(1,1)} \oplus 103V^{(2,1),\varnothing} \oplus$ $160V^{(2,1),(1)} \oplus 13V^{(2,1),(1,1)} \oplus 53V^{(1,1,1),\varnothing} \oplus 132V^{(1,1,1),(1)} \oplus 10V^{(1,1,1),(1,1)} \oplus 28V^{(4),\varnothing} \oplus$ $4V^{(4),(1)} \oplus 54V^{(3,1),\varnothing} \oplus 5V^{(3,1),(1)} \oplus 28V^{(2,1,1),\varnothing} \oplus 4V^{(2,1,1),(1)} \oplus 2V^{(4,1),\varnothing} \oplus 2V^{(3,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(1,1,1)} \oplus 20V^{\varnothing,(1,1,1,1)} \oplus 10V^{\varnothing,(1,1,1,1,1)} \oplus$ $V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(1,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus$ $V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 210V^{(2),(1,1)} \oplus 68V^{(2),(1,1,1)} \oplus 9V^{(2),(1,1,1,1)} \oplus V^{(1,1),\varnothing} \oplus$ $368V^{(1,1),(1)} \oplus 206V^{(1,1),(1,1)} \oplus 64V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(1,1,1,1)} \oplus V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus$ $64V^{(3),(1,1)} \oplus 13V^{(3),(1,1,1)} \oplus V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 64V^{(2,1),(1,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus$ $V^{(1,1,1),\varnothing} \oplus 168V^{(1,1,1),(1)} \oplus 52V^{(1,1,1),(1,1)} \oplus 10V^{(1,1,1),(1,1,1)} \oplus V^{(4),\varnothing} \oplus 62V^{(4),(1)} \oplus$ $4V^{(4),(1,1)} \oplus V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 5V^{(3,1),(1,1)} \oplus V^{(2,1,1),\varnothing} \oplus 62V^{(2,1,1),(1)} \oplus$ $4V^{(2,1,1),(1,1)} \oplus V^{(4,1),\varnothing} \oplus 2V^{(4,1),(1)} \oplus V^{(3,1,1),\varnothing} \oplus 2V^{(3,1,1),(1)} \oplus V^{(4,1,1),\varnothing}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus$ $V^{(1),(1,1,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus$ $3V^{(2),(1,1,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus$ $3V^{(1,1),(1,1,1,1,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(1,1)} \oplus 28V^{(3),(1,1,1)} \oplus 7V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus$ $66V^{(2,1),(1,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(1,1)} \oplus$ $22V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(4),(1)} \oplus 24V^{(4),(1,1)} \oplus 4V^{(4),(1,1,1)} \oplus$ $50V^{(3,1),(1)} \oplus 28V^{(3,1),(1,1)} \oplus 5V^{(3,1),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 24V^{(2,1,1),(1,1)} \oplus$ $4V^{(2,1,1),(1,1,1)} \oplus 26V^{(4,1),(1)} \oplus 2V^{(4,1),(1,1)} \oplus 26V^{(3,1,1),(1)} \oplus 2V^{(3,1,1),(1,1)} \oplus V^{(4,1,1),(1)}$
$k = 4: \quad 24V^{(2),(1,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus V^{(2),(1,1,1,1,1,1)} \oplus$ $24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(1,1,1,1,1)} \oplus V^{(1,1),(1,1,1,1,1,1)} \oplus$ $24V^{(3),(1,1)} \oplus 22V^{(3),(1,1,1)} \oplus 12V^{(3),(1,1,1,1)} \oplus 3V^{(3),(1,1,1,1,1)} \oplus 24V^{(2,1),(1,1)} \oplus$ $22V^{(2,1),(1,1,1)} \oplus 12V^{(2,1),(1,1,1,1)} \oplus 3V^{(2,1),(1,1,1,1,1)} \oplus 24V^{(1,1,1),(1,1)} \oplus 20V^{(1,1,1),(1,1,1)} \oplus$ $10V^{(1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1),(1,1,1,1,1)} \oplus 18V^{(4),(1,1)} \oplus 10V^{(4),(1,1,1)} \oplus 4V^{(4),(1,1,1,1)} \oplus$ $18V^{(3,1),(1,1)} \oplus 12V^{(3,1),(1,1,1)} \oplus 5V^{(3,1),(1,1,1,1)} \oplus 18V^{(2,1,1),(1,1)} \oplus 10V^{(2,1,1),(1,1,1)} \oplus$ $4V^{(2,1,1),(1,1,1,1)} \oplus 10V^{(4,1),(1,1)} \oplus 2V^{(4,1),(1,1,1)} \oplus 10V^{(3,1,1),(1,1)} \oplus 2V^{(3,1,1),(1,1,1)} \oplus V^{(4,1,1),(1,1)}$
$k = 3: \quad 6V^{(3),(1,1,1)} \oplus 6V^{(3),(1,1,1,1)} \oplus 4V^{(3),(1,1,1,1,1)} \oplus V^{(3),(1,1,1,1,1,1)} \oplus 6V^{(2,1),(1,1,1)} \oplus$ $6V^{(2,1),(1,1,1,1)} \oplus 4V^{(2,1),(1,1,1,1,1)} \oplus V^{(2,1),(1,1,1,1,1,1)} \oplus 6V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(1,1,1,1)} \oplus$ $4V^{(1,1,1),(1,1,1,1,1)} \oplus V^{(1,1,1),(1,1,1,1,1,1)} \oplus 6V^{(4),(1,1,1)} \oplus 5V^{(4),(1,1,1,1)} \oplus 2V^{(4),(1,1,1,1,1)} \oplus$ $6V^{(3,1),(1,1,1)} \oplus 6V^{(3,1),(1,1,1,1)} \oplus 3V^{(3,1),(1,1,1,1,1)} \oplus 6V^{(2,1,1),(1,1,1)} \oplus 5V^{(2,1,1),(1,1,1,1)} \oplus$ $2V^{(2,1,1),(1,1,1,1,1)} \oplus 4V^{(4,1),(1,1,1)} \oplus 2V^{(4,1),(1,1,1,1)} \oplus 4V^{(3,1,1),(1,1,1)} \oplus 2V^{(3,1,1),(1,1,1,1)} \oplus$ $V^{(4,1,1),(1,1,1)}$

Table 45: Table for $\lambda = (3,3)$, $\mu = (6,)$:

$k = 12: \quad 3V^{\varnothing,\varnothing}$
$k = 11: \quad 797V^{\varnothing,\varnothing} \oplus 46V^{\varnothing,(1)} \oplus 8V^{(1),\varnothing}$
$k = 10: \quad 1435V^{\varnothing,\varnothing} \oplus 536V^{\varnothing,(1)} \oplus 21V^{\varnothing,(2)} \oplus 644V^{(1),\varnothing} \oplus 163V^{(1),(1)} \oplus 6V^{(2),\varnothing} \oplus 5V^{(1,1),\varnothing}$
$k = 9: \quad 1195V^{\varnothing,\varnothing} \oplus 838V^{\varnothing,(1)} \oplus 214V^{\varnothing,(2)} \oplus 8V^{\varnothing,(3)} \oplus 1045V^{(1),\varnothing} \oplus 1012V^{(1),(1)} \oplus 43V^{(1),(2)} \oplus 262V^{(2),\varnothing} \oplus 37V^{(2),(1)} \oplus 158V^{(1,1),\varnothing} \oplus 36V^{(1,1),(1)} \oplus 3V^{(3),\varnothing} \oplus 4V^{(2,1),\varnothing}$
$k = 8:$ $624V^{\varnothing,\varnothing} \oplus 568V^{\varnothing,(1)} \oplus 276V^{\varnothing,(2)} \oplus 92V^{\varnothing,(3)} \oplus 3V^{\varnothing,(4)} \oplus 704V^{(1),\varnothing} \oplus 1670V^{(1),(1)} \oplus 396V^{(1),(2)} \oplus 19V^{(1),(3)} \oplus 345V^{(2),\varnothing} \oplus 384V^{(2),(1)} \oplus 37V^{(2),(2)} \oplus 195V^{(1,1),\varnothing} \oplus 344V^{(1,1),(1)} \oplus 36V^{(1,1),(2)} \oplus 66V^{(3),\varnothing} \oplus 10V^{(3),(1)} \oplus 118V^{(2,1),\varnothing} \oplus 11V^{(2,1),(1)} \oplus 2V^{(3,1),\varnothing} \oplus 2V^{(2,2),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 140V^{\varnothing,(2)} \oplus 80V^{\varnothing,(3)} \oplus 36V^{\varnothing,(4)} \oplus V^{\varnothing,(5)} \oplus 245V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 160V^{(1),(3)} \oplus 7V^{(1),(4)} \oplus 164V^{(2),\varnothing} \oplus 582V^{(2),(1)} \oplus 154V^{(2),(2)} \oplus 13V^{(2),(3)} \oplus 84V^{(1,1),\varnothing} \oplus 528V^{(1,1),(1)} \oplus 138V^{(1,1),(2)} \oplus 12V^{(1,1),(3)} \oplus 53V^{(3),\varnothing} \oplus 132V^{(3),(1)} \oplus 10V^{(3),(2)} \oplus 103V^{(2,1),\varnothing} \oplus 152V^{(2,1),(1)} \oplus 11V^{(2,1),(2)} \oplus 28V^{(3,1),\varnothing} \oplus 4V^{(3,1),(1)} \oplus 28V^{(2,2),\varnothing} \oplus 4V^{(2,2),(1)} \oplus V^{(3,2),\varnothing}$
$k = 6:$ $25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 15V^{\varnothing,(3)} \oplus 10V^{\varnothing,(4)} \oplus 5V^{\varnothing,(5)} \oplus V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 186V^{(1),(3)} \oplus 72V^{(1),(4)} \oplus 3V^{(1),(5)} \oplus V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 206V^{(2),(2)} \oplus 64V^{(2),(3)} \oplus 7V^{(2),(4)} \oplus V^{(1,1),\varnothing} \oplus 344V^{(1,1),(1)} \oplus 188V^{(1,1),(2)} \oplus 56V^{(1,1),(3)} \oplus 6V^{(1,1),(4)} \oplus V^{(3),\varnothing} \oplus 168V^{(3),(1)} \oplus 52V^{(3),(2)} \oplus 10V^{(3),(3)} \oplus V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 60V^{(2,1),(2)} \oplus 11V^{(2,1),(3)} \oplus V^{(3,1),\varnothing} \oplus 62V^{(3,1),(1)} \oplus 4V^{(3,1),(2)} \oplus V^{(2,2),\varnothing} \oplus 62V^{(2,2),(1)} \oplus 4V^{(2,2),(2)} \oplus V^{(3,2),\varnothing} \oplus 2V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 80V^{(1),(3)} \oplus 50V^{(1),(4)} \oplus 26V^{(1),(5)} \oplus V^{(1),(6)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 66V^{(2),(3)} \oplus 28V^{(2),(4)} \oplus 3V^{(2),(5)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(2)} \oplus 60V^{(1,1),(3)} \oplus 24V^{(1,1),(4)} \oplus 2V^{(1,1),(5)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(2)} \oplus 22V^{(3),(3)} \oplus 4V^{(3),(4)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 26V^{(2,1),(3)} \oplus 5V^{(2,1),(4)} \oplus 50V^{(3,1),(1)} \oplus 24V^{(3,1),(2)} \oplus 4V^{(3,1),(3)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(2)} \oplus 4V^{(2,2),(3)} \oplus 26V^{(3,2),(1)} \oplus 2V^{(3,2),(2)} \oplus V^{(3,3),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(3)} \oplus 18V^{(2),(4)} \oplus 10V^{(2),(5)} \oplus V^{(2),(6)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(3)} \oplus 18V^{(1,1),(4)} \oplus 10V^{(1,1),(5)} \oplus V^{(1,1),(6)} \oplus 24V^{(3),(2)} \oplus 20V^{(3),(3)} \oplus 10V^{(3),(4)} \oplus 2V^{(3),(5)} \oplus 24V^{(2,1),(2)} \oplus 22V^{(2,1),(3)} \oplus 12V^{(2,1),(4)} \oplus 3V^{(2,1),(5)} \oplus 18V^{(3,1),(2)} \oplus 10V^{(3,1),(3)} \oplus 4V^{(3,1),(4)} \oplus 18V^{(2,2),(2)} \oplus 10V^{(2,2),(3)} \oplus 4V^{(2,2),(4)} \oplus 10V^{(3,2),(2)} \oplus 2V^{(3,2),(3)} \oplus V^{(3,3),(2)}$
$k = 3: \quad 6V^{(3),(3)} \oplus 6V^{(3),(4)} \oplus 4V^{(3),(5)} \oplus V^{(3),(6)} \oplus 6V^{(2,1),(3)} \oplus 6V^{(2,1),(4)} \oplus 4V^{(2,1),(5)} \oplus V^{(2,1),(6)} \oplus 6V^{(3,1),(3)} \oplus 5V^{(3,1),(4)} \oplus 2V^{(3,1),(5)} \oplus 6V^{(2,2),(3)} \oplus 5V^{(2,2),(4)} \oplus 2V^{(2,2),(5)} \oplus 4V^{(3,2),(3)} \oplus 2V^{(3,2),(4)} \oplus V^{(3,3),(3)}$
$k = 2: \quad 2V^{(3,1),(4)} \oplus 2V^{(3,1),(5)} \oplus V^{(3,1),(6)} \oplus 2V^{(2,2),(4)} \oplus 2V^{(2,2),(5)} \oplus V^{(2,2),(6)} \oplus 2V^{(3,2),(4)} \oplus 2V^{(3,2),(5)} \oplus V^{(3,3),(4)}$
$k = 1: \quad V^{(3,2),(5)} \oplus V^{(3,2),(6)} \oplus V^{(3,3),(5)}$
$k = 0: \quad V^{(3,3),(6)}$

Table 46: Table for $\lambda = (3,3)$, $\mu = (5,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1017V^{\varnothing,\varnothing} \oplus 67V^{\varnothing,(1)} \oplus 43V^{(1),\varnothing}$
$k = 10: \quad 1732V^{\varnothing,\varnothing} \oplus 942V^{\varnothing,(1)} \oplus 29V^{\varnothing,(2)} \oplus 21V^{\varnothing,(1,1)} \oplus 910V^{(1),\varnothing} \oplus 205V^{(1),(1)} \oplus 21V^{(2),\varnothing} \oplus 20V^{(1,1),\varnothing}$
$k = 9: \quad 1360V^{\varnothing,\varnothing} \oplus 1426V^{\varnothing,(1)} \oplus 378V^{\varnothing,(2)} \oplus 214V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 8V^{\varnothing,(2,1)} \oplus 1426V^{(1),\varnothing} \oplus 1348V^{(1),(1)} \oplus 61V^{(1),(2)} \oplus 43V^{(1),(1,1)} \oplus 358V^{(2),\varnothing} \oplus 73V^{(2),(1)} \oplus 254V^{(1,1),\varnothing} \oplus 71V^{(1,1),(1)} \oplus 8V^{(3),\varnothing} \oplus 9V^{(2,1),\varnothing}$
$k = 8:$ $673V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 462V^{\varnothing,(2)} \oplus 276V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(3)} \oplus 92V^{\varnothing,(2,1)} \oplus 4V^{\varnothing,(4)} \oplus 3V^{\varnothing,(3,1)} \oplus 936V^{(1),\varnothing} \oplus 2090V^{(1),(1)} \oplus 532V^{(1),(2)} \oplus 396V^{(1),(1,1)} \oplus 25V^{(1),(3)} \oplus 19V^{(1),(2,1)} \oplus 462V^{(2),\varnothing} \oplus 508V^{(2),(1)} \oplus 49V^{(2),(2)} \oplus 37V^{(2),(1,1)} \oplus 312V^{(1,1),\varnothing} \oplus 428V^{(1,1),(1)} \oplus 47V^{(1,1),(2)} \oplus 36V^{(1,1),(1,1)} \oplus 92V^{(3),\varnothing} \oplus 19V^{(3),(1)} \oplus 144V^{(2,1),\varnothing} \oplus 21V^{(2,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 140V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(3)} \oplus 80V^{\varnothing,(2,1)} \oplus 62V^{\varnothing,(4)} \oplus 36V^{\varnothing,(3,1)} \oplus V^{\varnothing,(5)} \oplus V^{\varnothing,(4,1)} \oplus 340V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 582V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 160V^{(1),(2,1)} \oplus 9V^{(1),(4)} \oplus 7V^{(1),(3,1)} \oplus 220V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 208V^{(2),(2)} \oplus 154V^{(2),(1,1)} \oplus 19V^{(2),(3)} \oplus 13V^{(2),(2,1)} \oplus 140V^{(1,1),\varnothing} \oplus 606V^{(1,1),(1)} \oplus 176V^{(1,1),(2)} \oplus 138V^{(1,1),(1,1)} \oplus 17V^{(1,1),(3)} \oplus 12V^{(1,1),(2,1)} \oplus 80V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 19V^{(3),(2)} \oplus 10V^{(3),(1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 200V^{(2,1),(1)} \oplus 21V^{(2,1),(2)} \oplus 11V^{(2,1),(1,1)} \oplus 36V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus 36V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(4)} \oplus 10V^{\varnothing,(3,1)} \oplus 5V^{\varnothing,(5)} \oplus 5V^{\varnothing,(4,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 186V^{(1),(2,1)} \oplus 92V^{(1),(4)} \oplus 72V^{(1),(3,1)} \oplus 3V^{(1),(5)} \oplus 3V^{(1),(4,1)} \oplus 20V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 250V^{(2),(2)} \oplus 206V^{(2),(1,1)} \oplus 88V^{(2),(3)} \oplus 64V^{(2),(2,1)} \oplus 9V^{(2),(4)} \oplus 7V^{(2),(3,1)} \oplus 20V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 214V^{(1,1),(2)} \oplus 188V^{(1,1),(1,1)} \oplus 72V^{(1,1),(3)} \oplus 56V^{(1,1),(2,1)} \oplus 7V^{(1,1),(4)} \oplus 6V^{(1,1),(3,1)} \oplus 15V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 52V^{(3),(1,1)} \oplus 13V^{(3),(3)} \oplus 10V^{(3),(2,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 80V^{(2,1),(2)} \oplus 60V^{(2,1),(1,1)} \oplus 15V^{(2,1),(3)} \oplus 11V^{(2,1),(2,1)} \oplus 10V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 7V^{(3,1),(2)} \oplus 4V^{(3,1),(1,1)} \oplus 10V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 7V^{(2,2),(2)} \oplus 4V^{(2,2),(1,1)} \oplus 5V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 26V^{(1),(5)} \oplus 26V^{(1),(4,1)} \oplus V^{(1),(5,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 36V^{(2),(4)} \oplus 28V^{(2),(3,1)} \oplus 3V^{(2),(5)} \oplus 3V^{(2),(4,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 102V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 60V^{(1,1),(2,1)} \oplus 28V^{(1,1),(4)} \oplus 24V^{(1,1),(3,1)} \oplus 2V^{(1,1),(5)} \oplus 2V^{(1,1),(4,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 60V^{(3),(1,1)} \oplus 28V^{(3),(3)} \oplus 22V^{(3),(2,1)} \oplus 5V^{(3),(4)} \oplus 4V^{(3),(3,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 36V^{(2,1),(3)} \oplus 26V^{(2,1),(2,1)} \oplus 7V^{(2,1),(4)} \oplus 5V^{(2,1),(3,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 24V^{(3,1),(1,1)} \oplus 7V^{(3,1),(3)} \oplus 4V^{(3,1),(2,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 24V^{(2,2),(1,1)} \oplus 7V^{(2,2),(3)} \oplus 4V^{(2,2),(2,1)} \oplus 26V^{(3,2),(1)} \oplus 3V^{(3,2),(2)} \oplus 2V^{(3,2),(1,1)} \oplus V^{(3,3),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 10V^{(2),(5)} \oplus 10V^{(2),(4,1)} \oplus V^{(2),(5,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 10V^{(1,1),(5)} \oplus 10V^{(1,1),(4,1)} \oplus V^{(1,1),(5,1)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 22V^{(3),(3)} \oplus 20V^{(3),(2,1)} \oplus 12V^{(3),(4)} \oplus 10V^{(3),(3,1)} \oplus 2V^{(3),(5)} \oplus 2V^{(3),(4,1)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 26V^{(2,1),(3)} \oplus 22V^{(2,1),(2,1)} \oplus 16V^{(2,1),(4)} \oplus 12V^{(2,1),(3,1)} \oplus 3V^{(2,1),(5)} \oplus 3V^{(2,1),(4,1)} \oplus 18V^{(3,1),(2)} \oplus 18V^{(3,1),(1,1)} \oplus 12V^{(3,1),(3)} \oplus 10V^{(3,1),(2,1)} \oplus 5V^{(3,1),(4)} \oplus 4V^{(3,1),(3,1)} \oplus 18V^{(2,2),(2)} \oplus 18V^{(2,2),(1,1)} \oplus 12V^{(2,2),(3)} \oplus 10V^{(2,2),(2,1)} \oplus 5V^{(2,2),(4)} \oplus 4V^{(2,2),(3,1)} \oplus 10V^{(3,2),(2)} \oplus 10V^{(3,2),(1,1)} \oplus 3V^{(3,2),(3)} \oplus 2V^{(3,2),(2,1)} \oplus V^{(3,3),(2)} \oplus V^{(3,3),(1,1)}$

Table 47: Table for $\lambda = (3,3)$, $\mu = (4,2)$:

$k = 12: \quad 46V^{\varnothing,\varnothing}$
$k = 11: \quad 1078V^{\varnothing,\varnothing} \oplus 72V^{\varnothing,(1)} \oplus 71V^{(1),\varnothing}$
$k = 10: \quad 1780V^{\varnothing,\varnothing} \oplus 982V^{\varnothing,(1)} \oplus 31V^{\varnothing,(2)} \oplus 28V^{\varnothing,(1,1)} \oplus 1022V^{(1),\varnothing} \oplus 217V^{(1),(1)} \oplus 25V^{(2),\varnothing} \oplus 24V^{(1,1),\varnothing}$
$k = 9: \quad 1400V^{\varnothing,\varnothing} \oplus 1456V^{\varnothing,(1)} \oplus 418V^{\varnothing,(2)} \oplus 274V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 1626V^{(1),\varnothing} \oplus 1396V^{(1),(1)} \oplus 65V^{(1),(2)} \oplus 59V^{(1),(1,1)} \oplus 398V^{(2),\varnothing} \oplus 79V^{(2),(1)} \oplus 294V^{(1,1),\varnothing} \oplus 77V^{(1,1),(1)} \oplus 8V^{(3),\varnothing} \oplus 9V^{(2,1),\varnothing}$
$k = 8: \quad 738V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 498V^{\varnothing,(2)} \oplus 312V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(3)} \oplus 164V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 1096V^{(1),\varnothing} \oplus 2114V^{(1),(1)} \oplus 564V^{(1),(2)} \oplus 452V^{(1),(1,1)} \oplus 25V^{(1),(3)} \oplus 25V^{(1),(2,1)} \oplus 534V^{(2),\varnothing} \oplus 520V^{(2),(1)} \oplus 53V^{(2),(2)} \oplus 47V^{(2),(1,1)} \oplus 384V^{(1,1),\varnothing} \oplus 440V^{(1,1),(1)} \oplus 51V^{(1,1),(2)} \oplus 46V^{(1,1),(1,1)} \oplus 108V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 160V^{(2,1),\varnothing} \oplus 27V^{(2,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 165V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 140V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(3)} \oplus 130V^{\varnothing,(2,1)} \oplus 36V^{\varnothing,(4)} \oplus 62V^{\varnothing,(3,1)} \oplus 36V^{\varnothing,(2,2)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,2)} \oplus 510V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 606V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 7V^{(1),(4)} \oplus 9V^{(1),(3,1)} \oplus 7V^{(1),(2,2)} \oplus 268V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 224V^{(2),(2)} \oplus 176V^{(2),(1,1)} \oplus 19V^{(2),(3)} \oplus 19V^{(2),(2,1)} \oplus 188V^{(1,1),\varnothing} \oplus 606V^{(1,1),(1)} \oplus 192V^{(1,1),(2)} \oplus 160V^{(1,1),(1,1)} \oplus 17V^{(1,1),(3)} \oplus 17V^{(1,1),(2,1)} \oplus 104V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 21V^{(3),(2)} \oplus 18V^{(3),(1,1)} \oplus 154V^{(2,1),\varnothing} \oplus 200V^{(2,1),(1)} \oplus 23V^{(2,1),(2)} \oplus 19V^{(2,1),(1,1)} \oplus 44V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus 44V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(4)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 5V^{\varnothing,(4,1)} \oplus 5V^{\varnothing,(3,2)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,2)} \oplus 54V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 214V^{(2),(1,1)} \oplus 88V^{(2),(3)} \oplus 88V^{(2),(2,1)} \oplus 7V^{(2),(4)} \oplus 9V^{(2),(3,1)} \oplus 7V^{(2),(2,2)} \oplus 54V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 222V^{(1,1),(2)} \oplus 196V^{(1,1),(1,1)} \oplus 72V^{(1,1),(3)} \oplus 72V^{(1,1),(2,1)} \oplus 6V^{(1,1),(4)} \oplus 7V^{(1,1),(3,1)} \oplus 6V^{(1,1),(2,2)} \oplus 27V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 68V^{(3),(2)} \oplus 56V^{(3),(1,1)} \oplus 13V^{(3),(3)} \oplus 13V^{(3),(2,1)} \oplus 27V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 84V^{(2,1),(2)} \oplus 64V^{(2,1),(1,1)} \oplus 15V^{(2,1),(3)} \oplus 15V^{(2,1),(2,1)} \oplus 18V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 6V^{(3,1),(1,1)} \oplus 18V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 9V^{(2,2),(2)} \oplus 6V^{(2,2),(1,1)} \oplus 9V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(4,2)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 28V^{(2),(4)} \oplus 36V^{(2),(3,1)} \oplus 28V^{(2),(2,2)} \oplus 3V^{(2),(4,1)} \oplus 3V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 102V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 24V^{(1,1),(4)} \oplus 28V^{(1,1),(3,1)} \oplus 24V^{(1,1),(2,2)} \oplus 2V^{(1,1),(4,1)} \oplus 2V^{(1,1),(3,2)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 60V^{(3),(1,1)} \oplus 28V^{(3),(3)} \oplus 28V^{(3),(2,1)} \oplus 4V^{(3),(4)} \oplus 5V^{(3),(3,1)} \oplus 4V^{(3),(2,2)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 36V^{(2,1),(3)} \oplus 36V^{(2,1),(2,1)} \oplus 5V^{(2,1),(4)} \oplus 7V^{(2,1),(3,1)} \oplus 5V^{(2,1),(2,2)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 24V^{(3,1),(1,1)} \oplus 7V^{(3,1),(3)} \oplus 7V^{(3,1),(2,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 24V^{(2,2),(1,1)} \oplus 7V^{(2,2),(3)} \oplus 7V^{(2,2),(2,1)} \oplus 26V^{(3,2),(1)} \oplus 3V^{(3,2),(2)} \oplus 2V^{(3,2),(1,1)} \oplus V^{(3,3),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(4,1)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(4,2)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus 10V^{(1,1),(4,1)} \oplus 10V^{(1,1),(3,2)} \oplus V^{(1,1),(4,2)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 22V^{(3),(3)} \oplus 22V^{(3),(2,1)} \oplus 10V^{(3),(4)} \oplus 12V^{(3),(3,1)} \oplus 10V^{(3),(2,2)} \oplus 2V^{(3),(4,1)} \oplus 2V^{(3),(3,2)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 26V^{(2,1),(3)} \oplus 26V^{(2,1),(2,1)} \oplus 12V^{(2,1),(4)} \oplus 16V^{(2,1),(3,1)} \oplus 12V^{(2,1),(2,2)} \oplus 3V^{(2,1),(4,1)} \oplus 3V^{(2,1),(3,2)} \oplus 18V^{(3,1),(2)} \oplus 18V^{(3,1),(1,1)} \oplus 12V^{(3,1),(3)} \oplus 12V^{(3,1),(2,1)} \oplus 4V^{(3,1),(4)} \oplus 5V^{(3,1),(3,1)} \oplus 4V^{(3,1),(2,2)} \oplus 18V^{(2,2),(2)} \oplus 18V^{(2,2),(1,1)} \oplus 12V^{(2,2),(3)} \oplus$

Table 48: Table for $\lambda = (3,3)$, $\mu = (4,1,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1042V^{\varnothing,\varnothing} \oplus 74V^{\varnothing,(1)} \oplus 89V^{(1),\varnothing}$
$k = 10: \quad 1782V^{\varnothing,\varnothing} \oplus 1062V^{\varnothing,(1)} \oplus 31V^{\varnothing,(2)} \oplus 29V^{\varnothing,(1,1)} \oplus 1074V^{(1),\varnothing} \oplus 221V^{(1),(1)} \oplus 31V^{(2),\varnothing} \oplus 30V^{(1,1),\varnothing}$
$k = 9: \quad 1410V^{\varnothing,\varnothing} \oplus 1564V^{\varnothing,(1)} \oplus 418V^{\varnothing,(2)} \oplus 378V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1688V^{(1),\varnothing} \oplus 1460V^{(1),(1)} \oplus 65V^{(1),(2)} \oplus 61V^{(1),(1,1)} \oplus 412V^{(2),\varnothing} \oplus 83V^{(2),(1)} \oplus 308V^{(1,1),\varnothing} \oplus 81V^{(1,1),(1)} \oplus 9V^{(3),\varnothing} \oplus 10V^{(2,1),\varnothing}$
$k = 8: \quad 698V^{\varnothing,\varnothing} \oplus 984V^{\varnothing,(1)} \oplus 498V^{\varnothing,(2)} \oplus 462V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(3)} \oplus 164V^{\varnothing,(2,1)} \oplus 92V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 1296V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 564V^{(1),(2)} \oplus 532V^{(1),(1,1)} \oplus 25V^{(1),(3)} \oplus 25V^{(1),(2,1)} \oplus 19V^{(1),(1,1,1)} \oplus 552V^{(2),\varnothing} \oplus 552V^{(2),(1)} \oplus 53V^{(2),(2)} \oplus 49V^{(2),(1,1)} \oplus 402V^{(1,1),\varnothing} \oplus 472V^{(1,1),(1)} \oplus 51V^{(1,1),(2)} \oplus 47V^{(1,1),(1,1)} \oplus 112V^{(3),\varnothing} \oplus 27V^{(3),(1)} \oplus 164V^{(2,1),\varnothing} \oplus 29V^{(2,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(3)} \oplus 130V^{\varnothing,(2,1)} \oplus 80V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(4)} \oplus 62V^{\varnothing,(3,1)} \oplus 36V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(4)} \oplus 9V^{(1),(3,1)} \oplus 7V^{(1),(2,1,1)} \oplus 320V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 224V^{(2),(2)} \oplus 208V^{(2),(1,1)} \oplus 19V^{(2),(3)} \oplus 19V^{(2),(2,1)} \oplus 13V^{(2),(1,1,1)} \oplus 240V^{(1,1),\varnothing} \oplus 630V^{(1,1),(1)} \oplus 192V^{(1,1),(2)} \oplus 176V^{(1,1),(1,1)} \oplus 17V^{(1,1),(3)} \oplus 17V^{(1,1),(2,1)} \oplus 12V^{(1,1),(1,1,1)} \oplus 110V^{(3),\varnothing} \oplus 168V^{(3),(1)} \oplus 21V^{(3),(2)} \oplus 19V^{(3),(1,1)} \oplus 160V^{(2,1),\varnothing} \oplus 208V^{(2,1),(1)} \oplus 23V^{(2,1),(2)} \oplus 21V^{(2,1),(1,1)} \oplus 46V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 46V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(4)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 5V^{\varnothing,(4,1)} \oplus 5V^{\varnothing,(3,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,1,1)} \oplus 70V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 250V^{(2),(1,1)} \oplus 88V^{(2),(3)} \oplus 88V^{(2),(2,1)} \oplus 64V^{(2),(1,1,1)} \oplus 7V^{(2),(4)} \oplus 9V^{(2),(3,1)} \oplus 7V^{(2),(2,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 222V^{(1,1),(2)} \oplus 214V^{(1,1),(1,1)} \oplus 72V^{(1,1),(3)} \oplus 72V^{(1,1),(2,1)} \oplus 56V^{(1,1),(1,1,1)} \oplus 6V^{(1,1),(4)} \oplus 7V^{(1,1),(3,1)} \oplus 6V^{(1,1),(2,1,1)} \oplus 40V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 68V^{(3),(2)} \oplus 64V^{(3),(1,1)} \oplus 13V^{(3),(3)} \oplus 13V^{(3),(2,1)} \oplus 10V^{(3),(1,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 84V^{(2,1),(2)} \oplus 80V^{(2,1),(1,1)} \oplus 15V^{(2,1),(3)} \oplus 15V^{(2,1),(2,1)} \oplus 11V^{(2,1),(1,1,1)} \oplus 20V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 7V^{(3,1),(1,1)} \oplus 20V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 9V^{(2,2),(2)} \oplus 7V^{(2,2),(1,1)} \oplus 10V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,1,1)} \oplus V^{(1),(4,1,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(4)} \oplus 36V^{(2),(3,1)} \oplus 28V^{(2),(2,1,1)} \oplus 3V^{(2),(4,1)} \oplus 3V^{(2),(3,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 60V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(4)} \oplus 28V^{(1,1),(3,1)} \oplus 24V^{(1,1),(2,1,1)} \oplus 2V^{(1,1),(4,1)} \oplus 2V^{(1,1),(3,1,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 28V^{(3),(3)} \oplus 28V^{(3),(2,1)} \oplus 22V^{(3),(1,1,1)} \oplus 4V^{(3),(4)} \oplus 5V^{(3),(3,1)} \oplus 4V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 36V^{(2,1),(3)} \oplus 36V^{(2,1),(2,1)} \oplus 26V^{(2,1),(1,1,1)} \oplus 5V^{(2,1),(4)} \oplus 7V^{(2,1),(3,1)} \oplus 5V^{(2,1),(2,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 7V^{(3,1),(3)} \oplus 7V^{(3,1),(2,1)} \oplus 4V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 7V^{(2,2),(3)} \oplus 7V^{(2,2),(2,1)} \oplus 4V^{(2,2),(1,1,1)} \oplus 26V^{(3,2),(1)} \oplus 3V^{(3,2),(2)} \oplus 3V^{(3,2),(1,1)} \oplus V^{(3,3),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(4,1)} \oplus 10V^{(2),(3,1,1)} \oplus V^{(2),(4,1,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,1,1)} \oplus 10V^{(1,1),(4,1)} \oplus 10V^{(1,1),(3,1,1)} \oplus V^{(1,1),(4,1,1)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus$

Table 49: Table for $\lambda = (3,3)$, $\mu = (3,3)$:

$k = 12: \quad 71V^{\varnothing,\varnothing}$
$k = 11: \quad 1058V^{\varnothing,\varnothing} \oplus 54V^{\varnothing,(1)} \oplus 54V^{(1),\varnothing}$
$k = 10: \quad 1740V^{\varnothing,\varnothing} \oplus 916V^{\varnothing,(1)} \oplus 24V^{\varnothing,(2)} \oplus 23V^{\varnothing,(1,1)} \oplus 916V^{(1),\varnothing} \oplus 181V^{(1),(1)} \oplus 24V^{(2),\varnothing} \oplus 23V^{(1,1),\varnothing}$
$k = 9: \quad 1360V^{\varnothing,\varnothing} \oplus 1426V^{\varnothing,(1)} \oplus 358V^{\varnothing,(2)} \oplus 254V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(3)} \oplus 9V^{\varnothing,(2,1)} \oplus 1426V^{(1),\varnothing} \oplus 1324V^{(1),(1)} \oplus 49V^{(1),(2)} \oplus 47V^{(1),(1,1)} \oplus 358V^{(2),\varnothing} \oplus 49V^{(2),(1)} \oplus 254V^{(1,1),\varnothing} \oplus 47V^{(1,1),(1)} \oplus 8V^{(3),\varnothing} \oplus 9V^{(2,1),\varnothing}$
$k = 8:$ $698V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 462V^{\varnothing,(2)} \oplus 312V^{\varnothing,(1,1)} \oplus 92V^{\varnothing,(3)} \oplus 144V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 936V^{(1),\varnothing} \oplus 2090V^{(1),(1)} \oplus 508V^{(1),(2)} \oplus 428V^{(1),(1,1)} \oplus 19V^{(1),(3)} \oplus 21V^{(1),(2,1)} \oplus 462V^{(2),\varnothing} \oplus 508V^{(2),(1)} \oplus 43V^{(2),(2)} \oplus 41V^{(2),(1,1)} \oplus 312V^{(1,1),\varnothing} \oplus 428V^{(1,1),(1)} \oplus 41V^{(1,1),(2)} \oplus 40V^{(1,1),(1,1)} \oplus 92V^{(3),\varnothing} \oplus 19V^{(3),(1)} \oplus 144V^{(2,1),\varnothing} \oplus 21V^{(2,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 145V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 140V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(3)} \oplus 130V^{\varnothing,(2,1)} \oplus 36V^{\varnothing,(3,1)} \oplus 36V^{\varnothing,(2,2)} \oplus V^{\varnothing,(3,2)} \oplus 365V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 606V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 200V^{(1),(2,1)} \oplus 7V^{(1),(3,1)} \oplus 7V^{(1),(2,2)} \oplus 220V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 202V^{(2),(2)} \oplus 170V^{(2),(1,1)} \oplus 13V^{(2),(3)} \oplus 15V^{(2),(2,1)} \oplus 140V^{(1,1),\varnothing} \oplus 606V^{(1,1),(1)} \oplus 170V^{(1,1),(2)} \oplus 154V^{(1,1),(1,1)} \oplus 12V^{(1,1),(3)} \oplus 13V^{(1,1),(2,1)} \oplus 80V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 13V^{(3),(2)} \oplus 12V^{(3),(1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 200V^{(2,1),(1)} \oplus 15V^{(2,1),(2)} \oplus 13V^{(2,1),(1,1)} \oplus 36V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus 36V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 25V^{\varnothing,\varnothing} \oplus 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 5V^{\varnothing,(3,2)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(3,2)} \oplus 25V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 250V^{(2),(2)} \oplus 214V^{(2),(1,1)} \oplus 64V^{(2),(3)} \oplus 80V^{(2),(2,1)} \oplus 7V^{(2),(3,1)} \oplus 7V^{(2),(2,2)} \oplus 25V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 214V^{(1,1),(2)} \oplus 196V^{(1,1),(1,1)} \oplus 56V^{(1,1),(3)} \oplus 64V^{(1,1),(2,1)} \oplus 6V^{(1,1),(3,1)} \oplus 6V^{(1,1),(2,2)} \oplus 15V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 56V^{(3),(1,1)} \oplus 10V^{(3),(3)} \oplus 11V^{(3),(2,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 80V^{(2,1),(2)} \oplus 64V^{(2,1),(1,1)} \oplus 11V^{(2,1),(3)} \oplus 13V^{(2,1),(2,1)} \oplus 10V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 7V^{(3,1),(2)} \oplus 6V^{(3,1),(1,1)} \oplus 10V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 7V^{(2,2),(2)} \oplus 6V^{(2,2),(1,1)} \oplus 5V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(3,3)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 28V^{(2),(3,1)} \oplus 28V^{(2),(2,2)} \oplus 3V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 102V^{(1,1),(1,1)} \oplus 60V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 24V^{(1,1),(3,1)} \oplus 24V^{(1,1),(2,2)} \oplus 2V^{(1,1),(3,2)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 60V^{(3),(1,1)} \oplus 22V^{(3),(3)} \oplus 26V^{(3),(2,1)} \oplus 4V^{(3),(3,1)} \oplus 4V^{(3),(2,2)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 26V^{(2,1),(3)} \oplus 34V^{(2,1),(2,1)} \oplus 5V^{(2,1),(3,1)} \oplus 5V^{(2,1),(2,2)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 24V^{(3,1),(1,1)} \oplus 4V^{(3,1),(3)} \oplus 5V^{(3,1),(2,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 24V^{(2,2),(1,1)} \oplus 4V^{(2,2),(3)} \oplus 5V^{(2,2),(2,1)} \oplus 26V^{(3,2),(1)} \oplus 3V^{(3,2),(2)} \oplus 2V^{(3,2),(1,1)} \oplus V^{(3,3),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(3,3)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus 10V^{(1,1),(3,2)} \oplus V^{(1,1),(3,3)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 20V^{(3),(3)} \oplus 22V^{(3),(2,1)} \oplus 10V^{(3),(3,1)} \oplus 10V^{(3),(2,2)} \oplus 2V^{(3),(3,2)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(3)} \oplus 26V^{(2,1),(2,1)} \oplus 12V^{(2,1),(3,1)} \oplus 12V^{(2,1),(2,2)} \oplus 3V^{(2,1),(3,2)} \oplus 18V^{(3,1),(2)} \oplus 18V^{(3,1),(1,1)} \oplus 10V^{(3,1),(3)} \oplus 12V^{(3,1),(2,1)} \oplus 4V^{(3,1),(3,1)} \oplus 4V^{(3,1),(2,2)} \oplus 18V^{(2,2),(2)} \oplus 18V^{(2,2),(1,1)} \oplus 10V^{(2,2),(3)} \oplus 12V^{(2,2),(2,1)} \oplus 4V^{(2,2),(3,1)} \oplus 4V^{(2,2),(2,2)} \oplus 10V^{(3,2),(2)} \oplus 10V^{(3,2),(1,1)} \oplus 2V^{(3,2),(3)} \oplus 3V^{(3,2),(2,1)} \oplus V^{(3,3),(2)} \oplus V^{(3,3),(1,1)}$
$k = 3: \quad 6V^{(3),(3)} \oplus 6V^{(3),(2,1)} \oplus 6V^{(3),(3,1)} \oplus 6V^{(3),(2,2)} \oplus 4V^{(3),(3,2)} \oplus V^{(3),(3,3)} \oplus$

Table 50: Table for $\lambda = (3,3)$, $\mu = (3,2,1)$:

$k = 12: \quad 46V^{\varnothing,\varnothing}$
$k = 11: \quad 1113V^{\varnothing,\varnothing} \oplus 87V^{\varnothing,(1)} \oplus 126V^{(1),\varnothing}$
$k = 10: \quad 1850V^{\varnothing,\varnothing} \oplus 1088V^{\varnothing,(1)} \oplus 36V^{\varnothing,(2)} \oplus 36V^{\varnothing,(1,1)} \oplus 1236V^{(1),\varnothing} \oplus 245V^{(1),(1)} \oplus 34V^{(2),\varnothing} \oplus 33V^{(1,1),\varnothing}$
$k = 9: \quad 1470V^{\varnothing,\varnothing} \oplus 1564V^{\varnothing,(1)} \oplus 438V^{\varnothing,(2)} \oplus 438V^{\varnothing,(1,1)} \oplus 10V^{\varnothing,(3)} \oplus 14V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(1,1,1)} \oplus 1988V^{(1),\varnothing} \oplus 1484V^{(1),(1)} \oplus 77V^{(1),(2)} \oplus 77V^{(1),(1,1)} \oplus 472V^{(2),\varnothing} \oplus 107V^{(2),(1)} \oplus 368V^{(1,1),\varnothing} \oplus 105V^{(1,1),(1)} \oplus 9V^{(3),\varnothing} \oplus 10V^{(2,1),\varnothing}$
$k = 8: \quad 808V^{\varnothing,\varnothing} \oplus 984V^{\varnothing,(1)} \oplus 498V^{\varnothing,(2)} \oplus 498V^{\varnothing,(1,1)} \oplus 112V^{\varnothing,(3)} \oplus 236V^{\varnothing,(2,1)} \oplus 112V^{\varnothing,(1,1,1)} \oplus 4V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 1632V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 588V^{(1),(2)} \oplus 588V^{(1),(1,1)} \oplus 23V^{(1),(3)} \oplus 31V^{(1),(2,1)} \oplus 23V^{(1),(1,1,1)} \oplus 660V^{(2),\varnothing} \oplus 552V^{(2),(1)} \oplus 59V^{(2),(2)} \oplus 59V^{(2),(1,1)} \oplus 510V^{(1,1),\varnothing} \oplus 472V^{(1,1),(1)} \oplus 57V^{(1,1),(2)} \oplus 57V^{(1,1),(1,1)} \oplus 136V^{(3),\varnothing} \oplus 27V^{(3),(1)} \oplus 188V^{(2,1),\varnothing} \oplus 29V^{(2,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 200V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(3)} \oplus 180V^{\varnothing,(2,1)} \oplus 80V^{\varnothing,(1,1,1)} \oplus 62V^{\varnothing,(3,1)} \oplus 62V^{\varnothing,(2,2)} \oplus 62V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(3,2)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 880V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 176V^{(1),(3)} \oplus 272V^{(1),(2,1)} \oplus 176V^{(1),(1,1,1)} \oplus 9V^{(1),(3,1)} \oplus 9V^{(1),(2,2)} \oplus 9V^{(1),(2,1,1)} \oplus 416V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 230V^{(2),(2)} \oplus 230V^{(2),(1,1)} \oplus 17V^{(2),(3)} \oplus 25V^{(2),(2,1)} \oplus 17V^{(2),(1,1,1)} \oplus 336V^{(1,1),\varnothing} \oplus 630V^{(1,1),(1)} \oplus 198V^{(1,1),(2)} \oplus 198V^{(1,1),(1,1)} \oplus 16V^{(1,1),(3)} \oplus 22V^{(1,1),(2,1)} \oplus 16V^{(1,1),(1,1,1)} \oplus 146V^{(3),\varnothing} \oplus 168V^{(3),(1)} \oplus 27V^{(3),(2)} \oplus 27V^{(3),(1,1)} \oplus 196V^{(2,1),\varnothing} \oplus 208V^{(2,1),(1)} \oplus 29V^{(2,1),(2)} \oplus 29V^{(2,1),(1,1)} \oplus 58V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 58V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 5V^{\varnothing,(3,2)} \oplus 5V^{\varnothing,(3,1,1)} \oplus 5V^{\varnothing,(2,2,1)} \oplus 256V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 258V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 92V^{(1),(3,1)} \oplus 92V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 3V^{(1),(3,2)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 128V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 72V^{(2),(3)} \oplus 112V^{(2),(2,1)} \oplus 72V^{(2),(1,1,1)} \oplus 9V^{(2),(3,1)} \oplus 9V^{(2),(2,2)} \oplus 9V^{(2),(2,1,1)} \oplus 128V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 222V^{(1,1),(2)} \oplus 222V^{(1,1),(1,1)} \oplus 64V^{(1,1),(3)} \oplus 88V^{(1,1),(2,1)} \oplus 64V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(3,1)} \oplus 7V^{(1,1),(2,2)} \oplus 7V^{(1,1),(2,1,1)} \oplus 64V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 68V^{(3),(2)} \oplus 68V^{(3),(1,1)} \oplus 12V^{(3),(3)} \oplus 16V^{(3),(2,1)} \oplus 12V^{(3),(1,1,1)} \oplus 64V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 84V^{(2,1),(2)} \oplus 84V^{(2,1),(1,1)} \oplus 13V^{(2,1),(3)} \oplus 19V^{(2,1),(2,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus 32V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 32V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 9V^{(2,2),(2)} \oplus 9V^{(2,2),(1,1)} \oplus 16V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(3,2)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(3,2,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 90V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 36V^{(2),(3,1)} \oplus 36V^{(2),(2,2)} \oplus 36V^{(2),(2,1,1)} \oplus 3V^{(2),(3,2)} \oplus 3V^{(2),(3,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 60V^{(1,1),(3)} \oplus 72V^{(1,1),(2,1)} \oplus 60V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,2)} \oplus 28V^{(1,1),(2,1,1)} \oplus 2V^{(1,1),(3,2)} \oplus 2V^{(1,1),(3,1,1)} \oplus 2V^{(1,1),(2,2,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 24V^{(3),(3)} \oplus 34V^{(3),(2,1)} \oplus 24V^{(3),(1,1,1)} \oplus 5V^{(3),(3,1)} \oplus 5V^{(3),(2,2)} \oplus 5V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 28V^{(2,1),(3)} \oplus 46V^{(2,1),(2,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(3,1)} \oplus 7V^{(2,1),(2,2)} \oplus 7V^{(2,1),(2,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 6V^{(3,1),(3)} \oplus 10V^{(3,1),(2,1)} \oplus 6V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 6V^{(2,2),(3)} \oplus 10V^{(2,2),(2,1)} \oplus 6V^{(2,2),(1,1,1)} \oplus 26V^{(3,2),(1)} \oplus 3V^{(3,2),(2)} \oplus 3V^{(3,2),(1,1)} \oplus V^{(3,3),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(3,2)} \oplus 10V^{(2),(3,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus V^{(2),(3,2,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus$

Table 51: Table for $\lambda = (3,3)$, $\mu = (3,1,1,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1042V^{\varnothing,\varnothing} \oplus 74V^{\varnothing,(1)} \oplus 89V^{(1),\varnothing}$
$k = 10: \quad 1782V^{\varnothing,\varnothing} \oplus 1062V^{\varnothing,(1)} \oplus 29V^{\varnothing,(2)} \oplus 31V^{\varnothing,(1,1)} \oplus 1074V^{(1),\varnothing} \oplus 221V^{(1),(1)} \oplus 31V^{(2),\varnothing} \oplus 30V^{(1,1),\varnothing}$
$k = 9: \quad 1410V^{\varnothing,\varnothing} \oplus 1564V^{\varnothing,(1)} \oplus 378V^{\varnothing,(2)} \oplus 418V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1688V^{(1),\varnothing} \oplus 1460V^{(1),(1)} \oplus 61V^{(1),(2)} \oplus 65V^{(1),(1,1)} \oplus 412V^{(2),\varnothing} \oplus 83V^{(2),(1)} \oplus 308V^{(1,1),\varnothing} \oplus 81V^{(1,1),(1)} \oplus 9V^{(3),\varnothing} \oplus 10V^{(2,1),\varnothing}$
$k = 8: \quad 698V^{\varnothing,\varnothing} \oplus 984V^{\varnothing,(1)} \oplus 462V^{\varnothing,(2)} \oplus 498V^{\varnothing,(1,1)} \oplus 92V^{\varnothing,(3)} \oplus 164V^{\varnothing,(2,1)} \oplus 164V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1296V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 532V^{(1),(2)} \oplus 564V^{(1),(1,1)} \oplus 19V^{(1),(3)} \oplus 25V^{(1),(2,1)} \oplus 25V^{(1),(1,1,1)} \oplus 552V^{(2),\varnothing} \oplus 552V^{(2),(1)} \oplus 49V^{(2),(2)} \oplus 53V^{(2),(1,1)} \oplus 402V^{(1,1),\varnothing} \oplus 472V^{(1,1),(1)} \oplus 47V^{(1,1),(2)} \oplus 51V^{(1,1),(1,1)} \oplus 112V^{(3),\varnothing} \oplus 27V^{(3),(1)} \oplus 164V^{(2,1),\varnothing} \oplus 29V^{(2,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(3)} \oplus 130V^{\varnothing,(2,1)} \oplus 130V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(3,1)} \oplus 62V^{\varnothing,(2,1,1)} \oplus 36V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(3,1)} \oplus 9V^{(1),(2,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus 320V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 208V^{(2),(2)} \oplus 224V^{(2),(1,1)} \oplus 13V^{(2),(3)} \oplus 19V^{(2),(2,1)} \oplus 19V^{(2),(1,1,1)} \oplus 240V^{(1,1),\varnothing} \oplus 630V^{(1,1),(1)} \oplus 176V^{(1,1),(2)} \oplus 192V^{(1,1),(1,1)} \oplus 12V^{(1,1),(3)} \oplus 17V^{(1,1),(2,1)} \oplus 17V^{(1,1),(1,1,1)} \oplus 110V^{(3),\varnothing} \oplus 168V^{(3),(1)} \oplus 19V^{(3),(2)} \oplus 21V^{(3),(1,1)} \oplus 160V^{(2,1),\varnothing} \oplus 208V^{(2,1),(1)} \oplus 21V^{(2,1),(2)} \oplus 23V^{(2,1),(1,1)} \oplus 46V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 46V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(1,1,1,1)} \oplus 5V^{\varnothing,(3,1,1)} \oplus 5V^{\varnothing,(2,1,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(3,1)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 70V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 250V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 64V^{(2),(3)} \oplus 88V^{(2),(2,1)} \oplus 88V^{(2),(1,1,1)} \oplus 7V^{(2),(3,1)} \oplus 9V^{(2),(2,1,1)} \oplus 7V^{(2),(1,1,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 214V^{(1,1),(2)} \oplus 222V^{(1,1),(1,1)} \oplus 56V^{(1,1),(3)} \oplus 72V^{(1,1),(2,1)} \oplus 72V^{(1,1),(1,1,1)} \oplus 6V^{(1,1),(3,1)} \oplus 7V^{(1,1),(2,1,1)} \oplus 6V^{(1,1),(1,1,1,1)} \oplus 40V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 68V^{(3),(1,1)} \oplus 10V^{(3),(3)} \oplus 13V^{(3),(2,1)} \oplus 13V^{(3),(1,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 80V^{(2,1),(2)} \oplus 84V^{(2,1),(1,1)} \oplus 11V^{(2,1),(3)} \oplus 15V^{(2,1),(2,1)} \oplus 15V^{(2,1),(1,1,1)} \oplus 20V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 7V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 20V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 7V^{(2,2),(2)} \oplus 9V^{(2,2),(1,1)} \oplus 10V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(3,1,1,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(3,1)} \oplus 36V^{(2),(2,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 3V^{(2),(3,1,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 60V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,1,1)} \oplus 24V^{(1,1),(1,1,1,1)} \oplus 2V^{(1,1),(3,1,1)} \oplus 2V^{(1,1),(2,1,1,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 22V^{(3),(3)} \oplus 28V^{(3),(2,1)} \oplus 28V^{(3),(1,1,1)} \oplus 4V^{(3),(3,1)} \oplus 5V^{(3),(2,1,1)} \oplus 4V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 26V^{(2,1),(3)} \oplus 36V^{(2,1),(2,1)} \oplus 36V^{(2,1),(1,1,1)} \oplus 5V^{(2,1),(3,1)} \oplus 7V^{(2,1),(2,1,1)} \oplus 5V^{(2,1),(1,1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 4V^{(3,1),(3)} \oplus 7V^{(3,1),(2,1)} \oplus 7V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 4V^{(2,2),(3)} \oplus 7V^{(2,2),(2,1)} \oplus 7V^{(2,2),(1,1,1)} \oplus 26V^{(3,2),(1)} \oplus 3V^{(3,2),(2)} \oplus 3V^{(3,2),(1,1)} \oplus V^{(3,3),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(3,1,1)} \oplus 10V^{(2),(2,1,1,1)} \oplus V^{(2),(3,1,1,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,1,1)} \oplus$	

Table 52: Table for $\lambda = (3,3)$, $\mu = (2,2,2)$:

$k = 12: \quad 11V^{\varnothing,\varnothing}$
$k = 11: \quad 981V^{\varnothing,\varnothing} \oplus 54V^{\varnothing,(1)} \oplus 54V^{(1),\varnothing}$
$k = 10: \quad 1704V^{\varnothing,\varnothing} \oplus 916V^{\varnothing,(1)} \oplus 23V^{\varnothing,(2)} \oplus 24V^{\varnothing,(1,1)} \oplus 916V^{(1),\varnothing} \oplus 181V^{(1),(1)} \oplus 24V^{(2),\varnothing} \oplus 23V^{(1,1),\varnothing}$
$k = 9: \quad 1329V^{\varnothing,\varnothing} \oplus 1426V^{\varnothing,(1)} \oplus 254V^{\varnothing,(2)} \oplus 358V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(2,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1426V^{(1),\varnothing} \oplus 1324V^{(1),(1)} \oplus 47V^{(1),(2)} \oplus 49V^{(1),(1,1)} \oplus 358V^{(2),\varnothing} \oplus 49V^{(2),(1)} \oplus 254V^{(1,1),\varnothing} \oplus 47V^{(1,1),(1)} \oplus 8V^{(3),\varnothing} \oplus 9V^{(2,1),\varnothing}$
$k = 8: \quad 673V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 312V^{\varnothing,(2)} \oplus 462V^{\varnothing,(1,1)} \oplus 144V^{\varnothing,(2,1)} \oplus 92V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 936V^{(1),\varnothing} \oplus 2090V^{(1),(1)} \oplus 428V^{(1),(2)} \oplus 508V^{(1),(1,1)} \oplus 21V^{(1),(2,1)} \oplus 19V^{(1),(1,1,1)} \oplus 462V^{(2),\varnothing} \oplus 508V^{(2),(1)} \oplus 41V^{(2),(2)} \oplus 43V^{(2),(1,1)} \oplus 312V^{(1,1),\varnothing} \oplus 428V^{(1,1),(1)} \oplus 40V^{(1,1),(2)} \oplus 41V^{(1,1),(1,1)} \oplus 92V^{(3),\varnothing} \oplus 19V^{(3),(1)} \oplus 144V^{(2,1),\varnothing} \oplus 21V^{(2,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 140V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(2,1)} \oplus 80V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(2,2)} \oplus 36V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 365V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 606V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 200V^{(1),(2,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(2,2)} \oplus 7V^{(1),(2,1,1)} \oplus 220V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 170V^{(2),(2)} \oplus 202V^{(2),(1,1)} \oplus 15V^{(2),(2,1)} \oplus 13V^{(2),(1,1,1)} \oplus 140V^{(1,1),\varnothing} \oplus 606V^{(1,1),(1)} \oplus 154V^{(1,1),(2)} \oplus 170V^{(1,1),(1,1)} \oplus 13V^{(1,1),(2,1)} \oplus 12V^{(1,1),(1,1,1)} \oplus 80V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 12V^{(3),(2)} \oplus 13V^{(3),(1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 200V^{(2,1),(1)} \oplus 13V^{(2,1),(2)} \oplus 15V^{(2,1),(1,1)} \oplus 36V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus 36V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 5V^{\varnothing,(2,2,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 25V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 214V^{(2),(2)} \oplus 250V^{(2),(1,1)} \oplus 80V^{(2),(2,1)} \oplus 64V^{(2),(1,1,1)} \oplus 7V^{(2),(2,2)} \oplus 7V^{(2),(2,1,1)} \oplus 25V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 196V^{(1,1),(2)} \oplus 214V^{(1,1),(1,1)} \oplus 64V^{(1,1),(2,1)} \oplus 56V^{(1,1),(1,1,1)} \oplus 6V^{(1,1),(2,2)} \oplus 6V^{(1,1),(2,1,1)} \oplus 15V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 56V^{(3),(2)} \oplus 64V^{(3),(1,1)} \oplus 11V^{(3),(2,1)} \oplus 10V^{(3),(1,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 80V^{(2,1),(1,1)} \oplus 13V^{(2,1),(2,1)} \oplus 11V^{(2,1),(1,1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 6V^{(3,1),(2)} \oplus 7V^{(3,1),(1,1)} \oplus 10V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 6V^{(2,2),(2)} \oplus 7V^{(2,2),(1,1)} \oplus 5V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(2,2,2)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(2,2)} \oplus 28V^{(2),(2,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(2,1)} \oplus 60V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(2,2)} \oplus 24V^{(1,1),(2,1,1)} \oplus 2V^{(1,1),(2,2,1)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 26V^{(3),(2,1)} \oplus 22V^{(3),(1,1,1)} \oplus 4V^{(3),(2,2)} \oplus 4V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 34V^{(2,1),(2,1)} \oplus 26V^{(2,1),(1,1,1)} \oplus 5V^{(2,1),(2,2)} \oplus 5V^{(2,1),(2,1,1)} \oplus 50V^{(3,1),(1)} \oplus 24V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 5V^{(3,1),(2,1)} \oplus 4V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 5V^{(2,2),(2,1)} \oplus 4V^{(2,2),(1,1,1)} \oplus 26V^{(3,2),(1)} \oplus 2V^{(3,2),(2)} \oplus 3V^{(3,2),(1,1)} \oplus V^{(3,3),(1)}$
$k = 4:$ $24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus V^{(2),(2,2,2)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,2)} \oplus 18V^{(1,1),(2,1,1)} \oplus 10V^{(1,1),(2,2,1)} \oplus V^{(1,1),(2,2,2)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 22V^{(3),(2,1)} \oplus 20V^{(3),(1,1,1)} \oplus 10V^{(3),(2,2)} \oplus 10V^{(3),(2,1,1)} \oplus 2V^{(3),(2,2,1)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 26V^{(2,1),(2,1)} \oplus 22V^{(2,1),(1,1,1)} \oplus 12V^{(2,1),(2,2)} \oplus 12V^{(2,1),(2,1,1)} \oplus 3V^{(2,1),(2,2,1)} \oplus 18V^{(3,1),(2)} \oplus 18V^{(3,1),(1,1)} \oplus 12V^{(3,1),(2,1)} \oplus 10V^{(3,1),(1,1,1)} \oplus 4V^{(3,1),(2,2)} \oplus 4V^{(3,1),(2,1,1)} \oplus 18V^{(2,2),(2)} \oplus 18V^{(2,2),(1,1)} \oplus 12V^{(2,2),(2,1)} \oplus 10V^{(2,2),(1,1,1)} \oplus 4V^{(2,2),(2,2)} \oplus 4V^{(2,2),(2,1,1)} \oplus 10V^{(3,2),(2)} \oplus 10V^{(3,2),(1,1)} \oplus 3V^{(3,2),(2,1)} \oplus 2V^{(3,2),(1,1,1)} \oplus V^{(3,3),(2)} \oplus V^{(3,3),(1,1)}$

Table 53: Table for $\lambda = (3,3)$, $\mu = (2,2,1,1)$:

$k = 12: \quad 11V^{\varnothing,\varnothing}$
$k = 11: \quad 1001V^{\varnothing,\varnothing} \oplus 72V^{\varnothing,(1)} \oplus 71V^{(1),\varnothing}$
$k = 10: \quad 1744V^{\varnothing,\varnothing} \oplus 982V^{\varnothing,(1)} \oplus 28V^{\varnothing,(2)} \oplus 31V^{\varnothing,(1,1)} \oplus 1022V^{(1),\varnothing} \oplus 217V^{(1),(1)} \oplus 25V^{(2),\varnothing} \oplus 24V^{(1,1),\varnothing}$
$k = 9: \quad 1349V^{\varnothing,\varnothing} \oplus 1456V^{\varnothing,(1)} \oplus 274V^{\varnothing,(2)} \oplus 418V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1626V^{(1),\varnothing} \oplus 1396V^{(1),(1)} \oplus 59V^{(1),(2)} \oplus 65V^{(1),(1,1)} \oplus 398V^{(2),\varnothing} \oplus 79V^{(2),(1)} \oplus 294V^{(1,1),\varnothing} \oplus 77V^{(1,1),(1)} \oplus 8V^{(3),\varnothing} \oplus 9V^{(2,1),\varnothing}$
$k = 8: \quad 693V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 312V^{\varnothing,(2)} \oplus 498V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(2,1)} \oplus 164V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1096V^{(1),\varnothing} \oplus 2114V^{(1),(1)} \oplus 452V^{(1),(2)} \oplus 564V^{(1),(1,1)} \oplus 25V^{(1),(2,1)} \oplus 25V^{(1),(1,1,1)} \oplus 534V^{(2),\varnothing} \oplus 520V^{(2),(1)} \oplus 47V^{(2),(2)} \oplus 53V^{(2),(1,1)} \oplus 384V^{(1,1),\varnothing} \oplus 440V^{(1,1),(1)} \oplus 46V^{(1,1),(2)} \oplus 51V^{(1,1),(1,1)} \oplus 108V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 160V^{(2,1),\varnothing} \oplus 27V^{(2,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 140V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(2,1)} \oplus 130V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(2,2)} \oplus 62V^{\varnothing,(2,1,1)} \oplus 36V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 510V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 606V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 216V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(2,2)} \oplus 9V^{(1),(2,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus 268V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 176V^{(2),(2)} \oplus 224V^{(2),(1,1)} \oplus 19V^{(2),(2,1)} \oplus 19V^{(2),(1,1,1)} \oplus 188V^{(1,1),\varnothing} \oplus 606V^{(1,1),(1)} \oplus 160V^{(1,1),(2)} \oplus 192V^{(1,1),(1,1)} \oplus 17V^{(1,1),(2,1)} \oplus 17V^{(1,1),(1,1,1)} \oplus 104V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 18V^{(3),(2)} \oplus 21V^{(3),(1,1)} \oplus 154V^{(2,1),\varnothing} \oplus 200V^{(2,1),(1)} \oplus 19V^{(2,1),(2)} \oplus 23V^{(2,1),(1,1)} \oplus 44V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus 44V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(1,1,1,1)} \oplus 5V^{\varnothing,(2,2,1)} \oplus 5V^{\varnothing,(2,1,1,1)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 54V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 214V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 88V^{(2),(2,1)} \oplus 88V^{(2),(1,1,1)} \oplus 7V^{(2),(2,2)} \oplus 9V^{(2),(2,1,1)} \oplus 7V^{(2),(1,1,1,1)} \oplus 54V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 196V^{(1,1),(2)} \oplus 222V^{(1,1),(1,1)} \oplus 72V^{(1,1),(2,1)} \oplus 72V^{(1,1),(1,1,1)} \oplus 6V^{(1,1),(2,2)} \oplus 7V^{(1,1),(2,1,1)} \oplus 6V^{(1,1),(1,1,1,1)} \oplus 27V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 56V^{(3),(2)} \oplus 68V^{(3),(1,1)} \oplus 13V^{(3),(2,1)} \oplus 13V^{(3),(1,1,1)} \oplus 27V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 84V^{(2,1),(1,1)} \oplus 15V^{(2,1),(2,1)} \oplus 15V^{(2,1),(1,1,1)} \oplus 18V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 6V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 18V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 6V^{(2,2),(2)} \oplus 9V^{(2,2),(1,1)} \oplus 9V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(2,2,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(2,2)} \oplus 36V^{(2),(2,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(2,2)} \oplus 28V^{(1,1),(2,1,1)} \oplus 24V^{(1,1),(1,1,1,1)} \oplus 2V^{(1,1),(2,2,1)} \oplus 2V^{(1,1),(2,1,1,1)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 28V^{(3),(2,1)} \oplus 28V^{(3),(1,1,1)} \oplus 4V^{(3),(2,2)} \oplus 5V^{(3),(2,1,1)} \oplus 4V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 36V^{(2,1),(2,1)} \oplus 36V^{(2,1),(1,1,1)} \oplus 5V^{(2,1),(2,2)} \oplus 7V^{(2,1),(2,1,1)} \oplus 5V^{(2,1),(1,1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 24V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 7V^{(3,1),(2,1)} \oplus 7V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 7V^{(2,2),(2,1)} \oplus 7V^{(2,2),(1,1,1)} \oplus 26V^{(3,2),(1)} \oplus 2V^{(3,2),(2)} \oplus 3V^{(3,2),(1,1)} \oplus V^{(3,3),(1)}$
$k = 4:$ $24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus 10V^{(2),(2,1,1,1)} \oplus V^{(2),(2,2,1,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,2)} \oplus 18V^{(1,1),(2,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(2,2,1)} \oplus 10V^{(1,1),(2,1,1,1)} \oplus V^{(1,1),(2,2,1,1)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 22V^{(3),(2,1)} \oplus$

Table 54: Table for $\lambda = (3,3)$, $\mu = (2,1,1,1,1)$:

$k = 12: \quad 7V^{\varnothing,\varnothing}$
$k = 11: \quad 965V^{\varnothing,\varnothing} \oplus 67V^{\varnothing,(1)} \oplus 43V^{(1),\varnothing}$
$k = 10: \quad 1696V^{\varnothing,\varnothing} \oplus 942V^{\varnothing,(1)} \oplus 21V^{\varnothing,(2)} \oplus 29V^{\varnothing,(1,1)} \oplus 910V^{(1),\varnothing} \oplus 205V^{(1),(1)} \oplus 21V^{(2),\varnothing} \oplus 20V^{(1,1),\varnothing}$
$k = 9: \quad 1329V^{\varnothing,\varnothing} \oplus 1426V^{\varnothing,(1)} \oplus 214V^{\varnothing,(2)} \oplus 378V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1426V^{(1),\varnothing} \oplus 1348V^{(1),(1)} \oplus 43V^{(1),(2)} \oplus 61V^{(1),(1,1)} \oplus 358V^{(2),\varnothing} \oplus 73V^{(2),(1)} \oplus 254V^{(1,1),\varnothing} \oplus 71V^{(1,1),(1)} \oplus 8V^{(3),\varnothing} \oplus 9V^{(2,1),\varnothing}$
$k = 8: \quad 648V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 276V^{\varnothing,(2)} \oplus 462V^{\varnothing,(1,1)} \oplus 92V^{\varnothing,(2,1)} \oplus 164V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 4V^{\varnothing,(1,1,1,1)} \oplus 936V^{(1),\varnothing} \oplus 2090V^{(1),(1)} \oplus 396V^{(1),(2)} \oplus 532V^{(1),(1,1)} \oplus 19V^{(1),(2,1)} \oplus 25V^{(1),(1,1,1)} \oplus 462V^{(2),\varnothing} \oplus 508V^{(2),(1)} \oplus 37V^{(2),(2)} \oplus 49V^{(2),(1,1)} \oplus 312V^{(1,1),\varnothing} \oplus 428V^{(1,1),(1)} \oplus 36V^{(1,1),(2)} \oplus 47V^{(1,1),(1,1)} \oplus 92V^{(3),\varnothing} \oplus 19V^{(3),(1)} \oplus 144V^{(2,1),\varnothing} \oplus 21V^{(2,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 140V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(2,1)} \oplus 130V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(2,1,1)} \oplus 62V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus 340V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 160V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(2,1,1)} \oplus 9V^{(1),(1,1,1,1)} \oplus 220V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 154V^{(2),(2)} \oplus 208V^{(2),(1,1)} \oplus 13V^{(2),(2,1)} \oplus 19V^{(2),(1,1,1)} \oplus 140V^{(1,1),\varnothing} \oplus 606V^{(1,1),(1)} \oplus 138V^{(1,1),(2)} \oplus 176V^{(1,1),(1,1)} \oplus 12V^{(1,1),(2,1)} \oplus 17V^{(1,1),(1,1,1)} \oplus 80V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 10V^{(3),(2)} \oplus 19V^{(3),(1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 200V^{(2,1),(1)} \oplus 11V^{(2,1),(2)} \oplus 21V^{(2,1),(1,1)} \oplus 36V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus 36V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus V^{(3,2),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(1,1,1,1)} \oplus 5V^{\varnothing,(2,1,1,1)} \oplus 5V^{\varnothing,(1,1,1,1,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,1,1)} \oplus 92V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus 20V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 206V^{(2),(2)} \oplus 250V^{(2),(1,1)} \oplus 64V^{(2),(2,1)} \oplus 88V^{(2),(1,1,1)} \oplus 7V^{(2),(2,1,1)} \oplus 9V^{(2),(1,1,1,1)} \oplus 20V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 188V^{(1,1),(2)} \oplus 214V^{(1,1),(1,1)} \oplus 56V^{(1,1),(2,1)} \oplus 72V^{(1,1),(1,1,1)} \oplus 6V^{(1,1),(2,1,1)} \oplus 7V^{(1,1),(1,1,1,1)} \oplus 15V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 52V^{(3),(2)} \oplus 64V^{(3),(1,1)} \oplus 10V^{(3),(2,1)} \oplus 13V^{(3),(1,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 60V^{(2,1),(2)} \oplus 80V^{(2,1),(1,1)} \oplus 11V^{(2,1),(2,1)} \oplus 15V^{(2,1),(1,1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 4V^{(3,1),(2)} \oplus 7V^{(3,1),(1,1)} \oplus 10V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 4V^{(2,2),(2)} \oplus 7V^{(2,2),(1,1)} \oplus 5V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus V^{(1),(2,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(2,1,1)} \oplus 36V^{(2),(1,1,1,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 3V^{(2),(1,1,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 60V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(2,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 2V^{(1,1),(2,1,1,1)} \oplus 2V^{(1,1),(1,1,1,1,1)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 22V^{(3),(2,1)} \oplus 28V^{(3),(1,1,1)} \oplus 4V^{(3),(2,1,1)} \oplus 5V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 26V^{(2,1),(2,1)} \oplus 36V^{(2,1),(1,1,1)} \oplus 5V^{(2,1),(2,1,1)} \oplus 7V^{(2,1),(1,1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 24V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 4V^{(3,1),(2,1)} \oplus 7V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 4V^{(2,2),(2,1)} \oplus 7V^{(2,2),(1,1,1)} \oplus 26V^{(3,2),(1)} \oplus 2V^{(3,2),(2)} \oplus 3V^{(3,2),(1,1)} \oplus V^{(3,3),(1)}$
$k = 4:$ $24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(2,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus V^{(2),(2,1,1,1,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(2,1,1,1)} \oplus 10V^{(1,1),(1,1,1,1,1)} \oplus V^{(1,1),(2,1,1,1,1)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus 20V^{(3),(2,1)} \oplus 22V^{(3),(1,1,1)} \oplus 10V^{(3),(2,1,1)} \oplus 12V^{(3),(1,1,1,1)} \oplus 2V^{(3),(2,1,1,1)} \oplus 2V^{(3),(1,1,1,1,1)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(2,1)} \oplus 26V^{(2,1),(1,1,1)} \oplus 12V^{(2,1),(2,1,1)} \oplus 16V^{(2,1),(1,1,1,1)} \oplus 3V^{(2,1),(2,1,1,1)} \oplus 3V^{(2,1),(1,1,1,1,1)} \oplus$	

Table 55: Table for $\lambda = (3,3)$, $\mu = (1,1,1,1,1,1)$:

$k = 12: \quad 2V^{\varnothing,\varnothing}$
$k = 11: \quad 781V^{\varnothing,\varnothing} \oplus 46V^{\varnothing,(1)} \oplus 9V^{(1),\varnothing}$
$k = 10:$ $1417V^{\varnothing,\varnothing} \oplus 536V^{\varnothing,(1)} \oplus 21V^{\varnothing,(1,1)} \oplus 644V^{(1),\varnothing} \oplus 163V^{(1),(1)} \oplus 7V^{(2),\varnothing} \oplus 6V^{(1,1),\varnothing}$
$k = 9: \quad 1184V^{\varnothing,\varnothing} \oplus 838V^{\varnothing,(1)} \oplus 214V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1045V^{(1),\varnothing} \oplus 1012V^{(1),(1)} \oplus$ $43V^{(1),(1,1)} \oplus 262V^{(2),\varnothing} \oplus 37V^{(2),(1)} \oplus 158V^{(1,1),\varnothing} \oplus 36V^{(1,1),(1)} \oplus 4V^{(3),\varnothing} \oplus 5V^{(2,1),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 568V^{\varnothing,(1)} \oplus 276V^{\varnothing,(1,1)} \oplus 92V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus$ $704V^{(1),\varnothing} \oplus 1670V^{(1),(1)} \oplus 396V^{(1),(1,1)} \oplus 19V^{(1),(1,1,1)} \oplus 345V^{(2),\varnothing} \oplus 384V^{(2),(1)} \oplus$ $37V^{(2),(1,1)} \oplus 195V^{(1,1),\varnothing} \oplus 344V^{(1,1),(1)} \oplus 36V^{(1,1),(1,1)} \oplus 66V^{(3),\varnothing} \oplus 10V^{(3),(1)} \oplus$ $118V^{(2,1),\varnothing} \oplus 11V^{(2,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 140V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(1,1,1,1)} \oplus$ $V^{\varnothing,(1,1,1,1,1)} \oplus 245V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 582V^{(1),(1,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus$ $164V^{(2),\varnothing} \oplus 582V^{(2),(1)} \oplus 154V^{(2),(1,1)} \oplus 13V^{(2),(1,1,1)} \oplus 84V^{(1,1),\varnothing} \oplus 528V^{(1,1),(1)} \oplus$ $138V^{(1,1),(1,1)} \oplus 12V^{(1,1),(1,1,1)} \oplus 53V^{(3),\varnothing} \oplus 132V^{(3),(1)} \oplus 10V^{(3),(1,1)} \oplus 103V^{(2,1),\varnothing} \oplus$ $152V^{(2,1),(1)} \oplus 11V^{(2,1),(1,1)} \oplus 28V^{(3,1),\varnothing} \oplus 4V^{(3,1),(1)} \oplus 28V^{(2,2),\varnothing} \oplus 4V^{(2,2),(1)} \oplus 2V^{(3,2),\varnothing}$
$k = 6:$ $25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(1,1,1,1)} \oplus 5V^{\varnothing,(1,1,1,1,1)} \oplus V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus$ $368V^{(1),(1,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus$ $206V^{(2),(1,1)} \oplus 64V^{(2),(1,1,1)} \oplus 7V^{(2),(1,1,1,1)} \oplus V^{(1,1),\varnothing} \oplus 344V^{(1,1),(1)} \oplus 188V^{(1,1),(1,1)} \oplus$ $56V^{(1,1),(1,1,1)} \oplus 6V^{(1,1),(1,1,1,1)} \oplus V^{(3),\varnothing} \oplus 168V^{(3),(1)} \oplus 52V^{(3),(1,1)} \oplus 10V^{(3),(1,1,1)} \oplus$ $V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 60V^{(2,1),(1,1)} \oplus 11V^{(2,1),(1,1,1)} \oplus V^{(3,1),\varnothing} \oplus 62V^{(3,1),(1)} \oplus$ $4V^{(3,1),(1,1)} \oplus V^{(2,2),\varnothing} \oplus 62V^{(2,2),(1)} \oplus 4V^{(2,2),(1,1)} \oplus V^{(3,2),\varnothing} \oplus 2V^{(3,2),(1)} \oplus V^{(3,3),\varnothing}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus$ $V^{(1),(1,1,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus$ $3V^{(2),(1,1,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(1,1)} \oplus 60V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(1,1,1,1)} \oplus$ $2V^{(1,1),(1,1,1,1,1)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(1,1)} \oplus 22V^{(3),(1,1,1)} \oplus 4V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus$ $66V^{(2,1),(1,1)} \oplus 26V^{(2,1),(1,1,1)} \oplus 5V^{(2,1),(1,1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 24V^{(3,1),(1,1)} \oplus 4V^{(3,1),(1,1,1)} \oplus$ $50V^{(2,2),(1)} \oplus 24V^{(2,2),(1,1)} \oplus 4V^{(2,2),(1,1,1)} \oplus 26V^{(3,2),(1)} \oplus 2V^{(3,2),(1,1)} \oplus V^{(3,3),(1)}$
$k = 4: \quad 24V^{(2),(1,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus V^{(2),(1,1,1,1,1,1)} \oplus$ $24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(1,1,1,1,1)} \oplus V^{(1,1),(1,1,1,1,1,1)} \oplus$ $24V^{(3),(1,1)} \oplus 20V^{(3),(1,1,1)} \oplus 10V^{(3),(1,1,1,1)} \oplus 2V^{(3),(1,1,1,1,1)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(1,1,1)} \oplus$ $12V^{(2,1),(1,1,1,1)} \oplus 3V^{(2,1),(1,1,1,1,1)} \oplus 18V^{(3,1),(1,1)} \oplus 10V^{(3,1),(1,1,1)} \oplus 4V^{(3,1),(1,1,1,1)} \oplus$ $18V^{(2,2),(1,1)} \oplus 10V^{(2,2),(1,1,1)} \oplus 4V^{(2,2),(1,1,1,1)} \oplus 10V^{(3,2),(1,1)} \oplus 2V^{(3,2),(1,1,1)} \oplus V^{(3,3),(1,1)}$
$k = 3: \quad 6V^{(3),(1,1,1)} \oplus 6V^{(3),(1,1,1,1)} \oplus 4V^{(3),(1,1,1,1,1)} \oplus V^{(3),(1,1,1,1,1,1)} \oplus 6V^{(2,1),(1,1,1)} \oplus$ $6V^{(2,1),(1,1,1,1)} \oplus 4V^{(2,1),(1,1,1,1,1)} \oplus V^{(2,1),(1,1,1,1,1,1)} \oplus 6V^{(3,1),(1,1,1)} \oplus 5V^{(3,1),(1,1,1,1)} \oplus$ $2V^{(3,1),(1,1,1,1,1)} \oplus 6V^{(2,2),(1,1,1)} \oplus 5V^{(2,2),(1,1,1,1)} \oplus 2V^{(2,2),(1,1,1,1,1)} \oplus 4V^{(3,2),(1,1,1)} \oplus$ $2V^{(3,2),(1,1,1,1)} \oplus V^{(3,3),(1,1,1)}$
$k = 2: \quad 2V^{(3,1),(1,1,1,1)} \oplus 2V^{(3,1),(1,1,1,1,1)} \oplus V^{(3,1),(1,1,1,1,1,1)} \oplus 2V^{(2,2),(1,1,1,1)} \oplus$ $2V^{(2,2),(1,1,1,1,1)} \oplus V^{(2,2),(1,1,1,1,1,1)} \oplus 2V^{(3,2),(1,1,1,1)} \oplus 2V^{(3,2),(1,1,1,1,1)} \oplus V^{(3,3),(1,1,1,1)}$
$k = 1: \quad V^{(3,2),(1,1,1,1,1)} \oplus V^{(3,2),(1,1,1,1,1,1)} \oplus V^{(3,3),(1,1,1,1,1)}$
$k = 0: \quad V^{(3,3),(1,1,1,1,1,1)}$

Table 56: Table for $\lambda = (3, 2, 1)$, $\mu = (6,)$:

$k = 12: \quad 3V^{\varnothing,\varnothing}$
$k = 11: \quad 808V^{\varnothing,\varnothing} \oplus 117V^{\varnothing,(1)} \oplus 12V^{(1),\varnothing}$
$k = 10: \quad 1446V^{\varnothing,\varnothing} \oplus 848V^{\varnothing,(1)} \oplus 31V^{\varnothing,(2)} \oplus 696V^{(1),\varnothing} \oplus 219V^{(1),(1)} \oplus 9V^{(2),\varnothing} \oplus 9V^{(1,1),\varnothing}$
$k = 9:$ $1206V^{\varnothing,\varnothing} \oplus 1394V^{\varnothing,(1)} \oplus 328V^{\varnothing,(2)} \oplus 9V^{\varnothing,(3)} \oplus 1105V^{(1),\varnothing} \oplus 1116V^{(1),(1)} \oplus 99V^{(1),(2)} \oplus$ $290V^{(2),\varnothing} \oplus 51V^{(2),(1)} \oplus 290V^{(1,1),\varnothing} \oplus 51V^{(1,1),(1)} \oplus 4V^{(3),\varnothing} \oplus 7V^{(2,1),\varnothing} \oplus 4V^{(1,1,1),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 1264V^{\varnothing,(1)} \oplus 474V^{\varnothing,(2)} \oplus 136V^{\varnothing,(3)} \oplus 3V^{\varnothing,(4)} \oplus 728V^{(1),\varnothing} \oplus$ $1718V^{(1),(1)} \oplus 424V^{(1),(2)} \oplus 27V^{(1),(3)} \oplus 363V^{(2),\varnothing} \oplus 424V^{(2),(1)} \oplus 51V^{(2),(2)} \oplus$ $363V^{(1,1),\varnothing} \oplus 424V^{(1,1),(1)} \oplus 51V^{(1,1),(2)} \oplus 76V^{(3),\varnothing} \oplus 12V^{(3),(1)} \oplus 190V^{(2,1),\varnothing} \oplus$ $16V^{(2,1),(1)} \oplus 76V^{(1,1,1),\varnothing} \oplus 12V^{(1,1,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 3V^{(2,2),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 760V^{\varnothing,(1)} \oplus 336V^{\varnothing,(2)} \oplus 146V^{\varnothing,(3)} \oplus 58V^{\varnothing,(4)} \oplus V^{\varnothing,(5)} \oplus$ $245V^{(1),\varnothing} \oplus 1316V^{(1),(1)} \oplus 594V^{(1),(2)} \oplus 168V^{(1),(3)} \oplus 9V^{(1),(4)} \oplus 164V^{(2),\varnothing} \oplus$ $594V^{(2),(1)} \oplus 174V^{(2),(2)} \oplus 27V^{(2),(3)} \oplus 164V^{(1,1),\varnothing} \oplus 594V^{(1,1),(1)} \oplus 174V^{(1,1),(2)} \oplus$ $27V^{(1,1),(3)} \oplus 53V^{(3),\varnothing} \oplus 140V^{(3),(1)} \oplus 12V^{(3),(2)} \oplus 153V^{(2,1),\varnothing} \oplus 188V^{(2,1),(1)} \oplus$ $16V^{(2,1),(2)} \oplus 53V^{(1,1,1),\varnothing} \oplus 140V^{(1,1,1),(1)} \oplus 12V^{(1,1,1),(2)} \oplus 54V^{(3,1),\varnothing} \oplus 5V^{(3,1),(1)} \oplus$ $54V^{(2,2),\varnothing} \oplus 5V^{(2,2),(1)} \oplus 54V^{(2,1,1),\varnothing} \oplus 5V^{(2,1,1),(1)} \oplus V^{(3,2),\varnothing} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 256V^{\varnothing,(1)} \oplus 128V^{\varnothing,(2)} \oplus 64V^{\varnothing,(3)} \oplus 32V^{\varnothing,(4)} \oplus 16V^{\varnothing,(5)} \oplus V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus$ $368V^{(1),(2)} \oplus 186V^{(1),(3)} \oplus 72V^{(1),(4)} \oplus 3V^{(1),(5)} \oplus V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 210V^{(2),(2)} \oplus$ $68V^{(2),(3)} \oplus 9V^{(2),(4)} \oplus V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 210V^{(1,1),(2)} \oplus 68V^{(1,1),(3)} \oplus 9V^{(1,1),(4)} \oplus$ $V^{(3),\varnothing} \oplus 168V^{(3),(1)} \oplus 56V^{(3),(2)} \oplus 12V^{(3),(3)} \oplus V^{(2,1),\varnothing} \oplus 204V^{(2,1),(1)} \oplus 76V^{(2,1),(2)} \oplus$ $16V^{(2,1),(3)} \oplus V^{(1,1,1),\varnothing} \oplus 168V^{(1,1,1),(1)} \oplus 56V^{(1,1,1),(2)} \oplus 12V^{(1,1,1),(3)} \oplus V^{(3,1),\varnothing} \oplus$ $72V^{(3,1),(1)} \oplus 5V^{(3,1),(2)} \oplus V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 5V^{(2,2),(2)} \oplus V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus$ $5V^{(2,1,1),(2)} \oplus V^{(3,2),\varnothing} \oplus 2V^{(3,2),(1)} \oplus V^{(3,1,1),\varnothing} \oplus 2V^{(3,1,1),(1)} \oplus V^{(2,2,1),\varnothing} \oplus 2V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 80V^{(1),(3)} \oplus 50V^{(1),(4)} \oplus 26V^{(1),(5)} \oplus V^{(1),(6)} \oplus$ $120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 66V^{(2),(3)} \oplus 28V^{(2),(4)} \oplus 3V^{(2),(5)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus$ $66V^{(1,1),(3)} \oplus 28V^{(1,1),(4)} \oplus 3V^{(1,1),(5)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(2)} \oplus 24V^{(3),(3)} \oplus 6V^{(3),(4)} \oplus$ $80V^{(2,1),(1)} \oplus 72V^{(2,1),(2)} \oplus 34V^{(2,1),(3)} \oplus 10V^{(2,1),(4)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(2)} \oplus$ $24V^{(1,1,1),(3)} \oplus 6V^{(1,1,1),(4)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 5V^{(3,1),(3)} \oplus 50V^{(2,2),(1)} \oplus$ $28V^{(2,2),(2)} \oplus 5V^{(2,2),(3)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 5V^{(2,1,1),(3)} \oplus 26V^{(3,2),(1)} \oplus$ $2V^{(3,2),(2)} \oplus 26V^{(3,1,1),(1)} \oplus 2V^{(3,1,1),(2)} \oplus 26V^{(2,2,1),(1)} \oplus 2V^{(2,2,1),(2)} \oplus V^{(3,2,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(3)} \oplus 18V^{(2),(4)} \oplus 10V^{(2),(5)} \oplus V^{(2),(6)} \oplus 24V^{(1,1),(2)} \oplus$ $24V^{(1,1),(3)} \oplus 18V^{(1,1),(4)} \oplus 10V^{(1,1),(5)} \oplus V^{(1,1),(6)} \oplus 24V^{(3),(2)} \oplus 20V^{(3),(3)} \oplus 10V^{(3),(4)} \oplus$ $2V^{(3),(5)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(3)} \oplus 14V^{(2,1),(4)} \oplus 4V^{(2,1),(5)} \oplus 24V^{(1,1,1),(2)} \oplus$ $20V^{(1,1,1),(3)} \oplus 10V^{(1,1,1),(4)} \oplus 2V^{(1,1,1),(5)} \oplus 18V^{(3,1),(2)} \oplus 12V^{(3,1),(3)} \oplus 5V^{(3,1),(4)} \oplus$ $18V^{(2,2),(2)} \oplus 12V^{(2,2),(3)} \oplus 5V^{(2,2),(4)} \oplus 18V^{(2,1,1),(2)} \oplus 12V^{(2,1,1),(3)} \oplus 5V^{(2,1,1),(4)} \oplus$ $10V^{(3,2),(2)} \oplus 2V^{(3,2),(3)} \oplus 10V^{(3,1,1),(2)} \oplus 2V^{(3,1,1),(3)} \oplus 10V^{(2,2,1),(2)} \oplus 2V^{(2,2,1),(3)} \oplus V^{(3,2,1),(2)}$
$k = 3: \quad 6V^{(3),(3)} \oplus 6V^{(3),(4)} \oplus 4V^{(3),(5)} \oplus V^{(3),(6)} \oplus 6V^{(2,1),(3)} \oplus 6V^{(2,1),(4)} \oplus 4V^{(2,1),(5)} \oplus$ $V^{(2,1),(6)} \oplus 6V^{(1,1,1),(3)} \oplus 6V^{(1,1,1),(4)} \oplus 4V^{(1,1,1),(5)} \oplus V^{(1,1,1),(6)} \oplus 6V^{(3,1),(3)} \oplus 6V^{(3,1),(4)} \oplus$ $3V^{(3,1),(5)} \oplus 6V^{(2,2),(3)} \oplus 6V^{(2,2),(4)} \oplus 3V^{(2,2),(5)} \oplus 6V^{(2,1,1),(3)} \oplus 6V^{(2,1,1),(4)} \oplus 3V^{(2,1,1),(5)} \oplus$ $4V^{(3,2),(3)} \oplus 2V^{(3,2),(4)} \oplus 4V^{(3,1,1),(3)} \oplus 2V^{(3,1,1),(4)} \oplus 4V^{(2,2,1),(3)} \oplus 2V^{(2,2,1),(4)} \oplus V^{(3,2,1),(3)}$
$k = 2: \quad 2V^{(3,1),(4)} \oplus 2V^{(3,1),(5)} \oplus V^{(3,1),(6)} \oplus 2V^{(2,2),(4)} \oplus 2V^{(2,2),(5)} \oplus V^{(2,2),(6)} \oplus$ $2V^{(2,1,1),(4)} \oplus 2V^{(2,1,1),(5)} \oplus V^{(2,1,1),(6)} \oplus 2V^{(3,2),(4)} \oplus 2V^{(3,2),(5)} \oplus 2V^{(3,1,1),(4)} \oplus$ $2V^{(3,1,1),(5)} \oplus 2V^{(2,2,1),(4)} \oplus 2V^{(2,2,1),(5)} \oplus V^{(3,2,1),(4)}$
$k = 1: \quad V^{(3,2),(5)} \oplus V^{(3,2),(6)} \oplus V^{(3,1,1),(5)} \oplus V^{(3,1,1),(6)} \oplus V^{(2,2,1),(5)} \oplus V^{(2,2,1),(6)} \oplus V^{(3,2,1),(5)}$

Table 57: Table for $\lambda = (3,2,1)$, $\mu = (5,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1072V^{\varnothing,\varnothing} \oplus 148V^{\varnothing,(1)} \oplus 70V^{(1),\varnothing}$
$k = 10: \quad 1842V^{\varnothing,\varnothing} \oplus 1280V^{\varnothing,(1)} \oplus 40V^{\varnothing,(2)} \oplus 31V^{\varnothing,(1,1)} \oplus 1070V^{(1),\varnothing} \oplus 317V^{(1),(1)} \oplus 33V^{(2),\varnothing} \oplus 33V^{(1,1),\varnothing}$
$k = 9: \quad 1470V^{\varnothing,\varnothing} \oplus 1988V^{\varnothing,(1)} \oplus 496V^{\varnothing,(2)} \oplus 328V^{\varnothing,(1,1)} \oplus 12V^{\varnothing,(3)} \oplus 9V^{\varnothing,(2,1)} \oplus 1564V^{(1),\varnothing} \oplus 1556V^{(1),(1)} \oplus 125V^{(1),(2)} \oplus 99V^{(1),(1,1)} \oplus 438V^{(2),\varnothing} \oplus 101V^{(2),(1)} \oplus 438V^{(1,1),\varnothing} \oplus 101V^{(1,1),(1)} \oplus 10V^{(3),\varnothing} \oplus 14V^{(2,1),\varnothing} \oplus 10V^{(1,1,1),\varnothing}$
$k = 8: \quad 728V^{\varnothing,\varnothing} \oplus 1632V^{\varnothing,(1)} \oplus 660V^{\varnothing,(2)} \oplus 474V^{\varnothing,(1,1)} \oplus 208V^{\varnothing,(3)} \oplus 136V^{\varnothing,(2,1)} \oplus 4V^{\varnothing,(4)} \oplus 3V^{\varnothing,(3,1)} \oplus 984V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 588V^{(1),(2)} \oplus 424V^{(1),(1,1)} \oplus 35V^{(1),(3)} \oplus 27V^{(1),(2,1)} \oplus 498V^{(2),\varnothing} \oplus 588V^{(2),(1)} \oplus 77V^{(2),(2)} \oplus 51V^{(2),(1,1)} \oplus 498V^{(1,1),\varnothing} \oplus 588V^{(1,1),(1)} \oplus 77V^{(1,1),(2)} \oplus 51V^{(1,1),(1,1)} \oplus 112V^{(3),\varnothing} \oplus 23V^{(3),(1)} \oplus 236V^{(2,1),\varnothing} \oplus 31V^{(2,1),(1)} \oplus 112V^{(1,1,1),\varnothing} \oplus 23V^{(1,1,1),(1)} \oplus 4V^{(3,1),\varnothing} \oplus 4V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 880V^{\varnothing,(1)} \oplus 416V^{\varnothing,(2)} \oplus 336V^{\varnothing,(1,1)} \oplus 196V^{\varnothing,(3)} \oplus 146V^{\varnothing,(2,1)} \oplus 84V^{\varnothing,(4)} \oplus 58V^{\varnothing,(3,1)} \oplus V^{\varnothing,(5)} \oplus V^{\varnothing,(4,1)} \oplus 340V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 594V^{(1),(1,1)} \oplus 232V^{(1),(3)} \oplus 168V^{(1),(2,1)} \oplus 11V^{(1),(4)} \oplus 9V^{(1),(3,1)} \oplus 220V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 248V^{(2),(2)} \oplus 174V^{(2),(1,1)} \oplus 35V^{(2),(3)} \oplus 27V^{(2),(2,1)} \oplus 220V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 248V^{(1,1),(2)} \oplus 174V^{(1,1),(1,1)} \oplus 35V^{(1,1),(3)} \oplus 27V^{(1,1),(2,1)} \oplus 80V^{(3),\varnothing} \oplus 176V^{(3),(1)} \oplus 23V^{(3),(2)} \oplus 12V^{(3),(1,1)} \oplus 180V^{(2,1),\varnothing} \oplus 272V^{(2,1),(1)} \oplus 31V^{(2,1),(2)} \oplus 16V^{(2,1),(1,1)} \oplus 80V^{(1,1,1),\varnothing} \oplus 176V^{(1,1,1),(1)} \oplus 23V^{(1,1,1),(2)} \oplus 12V^{(1,1,1),(1,1)} \oplus 62V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 62V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus 62V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus V^{(3,2),\varnothing} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 256V^{\varnothing,(1)} \oplus 128V^{\varnothing,(2)} \oplus 128V^{\varnothing,(1,1)} \oplus 64V^{\varnothing,(3)} \oplus 64V^{\varnothing,(2,1)} \oplus 32V^{\varnothing,(4)} \oplus 32V^{\varnothing,(3,1)} \oplus 16V^{\varnothing,(5)} \oplus 16V^{\varnothing,(4,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 186V^{(1),(2,1)} \oplus 92V^{(1),(4)} \oplus 72V^{(1),(3,1)} \oplus 3V^{(1),(5)} \oplus 3V^{(1),(4,1)} \oplus 20V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 210V^{(2),(1,1)} \oplus 96V^{(2),(3)} \oplus 68V^{(2),(2,1)} \oplus 11V^{(2),(4)} \oplus 9V^{(2),(3,1)} \oplus 20V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 210V^{(1,1),(1,1)} \oplus 96V^{(1,1),(3)} \oplus 68V^{(1,1),(2,1)} \oplus 11V^{(1,1),(4)} \oplus 9V^{(1,1),(3,1)} \oplus 15V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 72V^{(3),(2)} \oplus 56V^{(3),(1,1)} \oplus 17V^{(3),(3)} \oplus 12V^{(3),(2,1)} \oplus 15V^{(2,1),\varnothing} \oplus 258V^{(2,1),(1)} \oplus 112V^{(2,1),(2)} \oplus 76V^{(2,1),(1,1)} \oplus 25V^{(2,1),(3)} \oplus 16V^{(2,1),(2,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 72V^{(1,1,1),(2)} \oplus 56V^{(1,1,1),(1,1)} \oplus 17V^{(1,1,1),(3)} \oplus 12V^{(1,1,1),(2,1)} \oplus 10V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 5V^{(3,1),(1,1)} \oplus 10V^{(2,2),\varnothing} \oplus 92V^{(2,2),(1)} \oplus 9V^{(2,2),(2)} \oplus 5V^{(2,2),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 5V^{(2,1,1),(1,1)} \oplus 5V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)} \oplus 5V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 5V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 26V^{(1),(5)} \oplus 26V^{(1),(4,1)} \oplus V^{(1),(5,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 36V^{(2),(4)} \oplus 28V^{(2),(3,1)} \oplus 3V^{(2),(5)} \oplus 3V^{(2),(4,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 36V^{(1,1),(4)} \oplus 28V^{(1,1),(3,1)} \oplus 3V^{(1,1),(5)} \oplus 3V^{(1,1),(4,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 60V^{(3),(1,1)} \oplus 32V^{(3),(3)} \oplus 24V^{(3),(2,1)} \oplus 7V^{(3),(4)} \oplus 6V^{(3),(3,1)} \oplus 80V^{(2,1),(1)} \oplus 90V^{(2,1),(2)} \oplus 72V^{(2,1),(1,1)} \oplus 52V^{(2,1),(3)} \oplus 34V^{(2,1),(2,1)} \oplus 13V^{(2,1),(4)} \oplus 10V^{(2,1),(3,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 60V^{(1,1,1),(1,1)} \oplus 32V^{(1,1,1),(3)} \oplus 24V^{(1,1,1),(2,1)} \oplus 7V^{(1,1,1),(4)} \oplus 6V^{(1,1,1),(3,1)} \oplus 50V^{(3,1),(1)} \oplus 36V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 9V^{(3,1),(3)} \oplus 5V^{(3,1),(2,1)} \oplus 50V^{(2,2),(1)} \oplus 36V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 9V^{(2,2),(3)} \oplus 5V^{(2,2),(2,1)} \oplus 50V^{(2,1,1),(1)} \oplus 36V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 9V^{(2,1,1),(3)} \oplus 5V^{(2,1,1),(2,1)} \oplus 26V^{(3,2),(1)} \oplus 3V^{(3,2),(2)} \oplus 2V^{(3,2),(1,1)} \oplus 26V^{(3,1,1),(1)} \oplus 3V^{(3,1,1),(2)} \oplus 2V^{(3,1,1),(1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 3V^{(2,2,1),(2)} \oplus 2V^{(2,2,1),(1,1)} \oplus V^{(3,2,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 10V^{(2),(5)} \oplus 10V^{(2),(4,1)} \oplus V^{(2),(5,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus$

Table 58: Table for $\lambda = (3,2,1)$, $\mu = (4,2)$:

$k = 12: \quad 46V^{\varnothing,\varnothing}$
$k = 11: \quad 1177V^{\varnothing,\varnothing} \oplus 154V^{\varnothing,(1)} \oplus 106V^{(1),\varnothing}$
$k = 10: \quad 1978V^{\varnothing,\varnothing} \oplus 1328V^{\varnothing,(1)} \oplus 42V^{\varnothing,(2)} \oplus 39V^{\varnothing,(1,1)} \oplus 1198V^{(1),\varnothing} \oplus 335V^{(1),(1)} \oplus 37V^{(2),\varnothing} \oplus 37V^{(1,1),\varnothing}$
$k = 9: \quad 1598V^{\varnothing,\varnothing} \oplus 2024V^{\varnothing,(1)} \oplus 536V^{\varnothing,(2)} \oplus 392V^{\varnothing,(1,1)} \oplus 12V^{\varnothing,(3)} \oplus 12V^{\varnothing,(2,1)} \oplus 1764V^{(1),\varnothing} \oplus 1628V^{(1),(1)} \oplus 131V^{(1),(2)} \oplus 123V^{(1),(1,1)} \oplus 478V^{(2),\varnothing} \oplus 119V^{(2),(1)} \oplus 478V^{(1,1),\varnothing} \oplus 119V^{(1,1),(1)} \oplus 10V^{(3),\varnothing} \oplus 14V^{(2,1),\varnothing} \oplus 10V^{(1,1,1),\varnothing}$
$k = 8: \quad 936V^{\varnothing,\varnothing} \oplus 1632V^{\varnothing,(1)} \oplus 696V^{\varnothing,(2)} \oplus 510V^{\varnothing,(1,1)} \oplus 208V^{\varnothing,(3)} \oplus 208V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 1144V^{(1),\varnothing} \oplus 2222V^{(1),(1)} \oplus 636V^{(1),(2)} \oplus 508V^{(1),(1,1)} \oplus 35V^{(1),(3)} \oplus 35V^{(1),(2,1)} \oplus 570V^{(2),\varnothing} \oplus 624V^{(2),(1)} \oplus 83V^{(2),(2)} \oplus 75V^{(2),(1,1)} \oplus 570V^{(1,1),\varnothing} \oplus 624V^{(1,1),(1)} \oplus 83V^{(1,1),(2)} \oplus 75V^{(1,1),(1,1)} \oplus 128V^{(3),\varnothing} \oplus 29V^{(3),(1)} \oplus 252V^{(2,1),\varnothing} \oplus 37V^{(2,1),(1)} \oplus 128V^{(1,1,1),\varnothing} \oplus 29V^{(1,1,1),(1)} \oplus 4V^{(3,1),\varnothing} \oplus 4V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing}$
$k = 7: \quad 264V^{\varnothing,\varnothing} \oplus 880V^{\varnothing,(1)} \oplus 416V^{\varnothing,(2)} \oplus 336V^{\varnothing,(1,1)} \oplus 196V^{\varnothing,(3)} \oplus 196V^{\varnothing,(2,1)} \oplus 58V^{\varnothing,(4)} \oplus 84V^{\varnothing,(3,1)} \oplus 58V^{\varnothing,(2,2)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,2)} \oplus 510V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 774V^{(1),(2)} \oplus 630V^{(1),(1,1)} \oplus 232V^{(1),(3)} \oplus 232V^{(1),(2,1)} \oplus 9V^{(1),(4)} \oplus 11V^{(1),(3,1)} \oplus 9V^{(1),(2,2)} \oplus 268V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 272V^{(2),(2)} \oplus 216V^{(2),(1,1)} \oplus 35V^{(2),(3)} \oplus 35V^{(2),(2,1)} \oplus 268V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 272V^{(1,1),(2)} \oplus 216V^{(1,1),(1,1)} \oplus 35V^{(1,1),(3)} \oplus 35V^{(1,1),(2,1)} \oplus 104V^{(3),\varnothing} \oplus 176V^{(3),(1)} \oplus 27V^{(3),(2)} \oplus 22V^{(3),(1,1)} \oplus 204V^{(2,1),\varnothing} \oplus 272V^{(2,1),(1)} \oplus 37V^{(2,1),(2)} \oplus 28V^{(2,1),(1,1)} \oplus 104V^{(1,1,1),\varnothing} \oplus 176V^{(1,1,1),(1)} \oplus 27V^{(1,1,1),(2)} \oplus 22V^{(1,1,1),(1,1)} \oplus 70V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 70V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus 70V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus V^{(3,2),\varnothing} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 256V^{\varnothing,(1)} \oplus 128V^{\varnothing,(2)} \oplus 128V^{\varnothing,(1,1)} \oplus 64V^{\varnothing,(3)} \oplus 64V^{\varnothing,(2,1)} \oplus 32V^{\varnothing,(4)} \oplus 32V^{\varnothing,(3,1)} \oplus 32V^{\varnothing,(2,2)} \oplus 16V^{\varnothing,(4,1)} \oplus 16V^{\varnothing,(3,2)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,2)} \oplus 54V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 270V^{(2),(2)} \oplus 222V^{(2),(1,1)} \oplus 96V^{(2),(3)} \oplus 96V^{(2),(2,1)} \oplus 9V^{(2),(4)} \oplus 11V^{(2),(3,1)} \oplus 9V^{(2),(2,2)} \oplus 54V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 270V^{(1,1),(2)} \oplus 222V^{(1,1),(1,1)} \oplus 96V^{(1,1),(3)} \oplus 96V^{(1,1),(2,1)} \oplus 9V^{(1,1),(4)} \oplus 11V^{(1,1),(3,1)} \oplus 9V^{(1,1),(2,2)} \oplus 27V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 80V^{(3),(2)} \oplus 64V^{(3),(1,1)} \oplus 17V^{(3),(3)} \oplus 17V^{(3),(2,1)} \oplus 27V^{(2,1),\varnothing} \oplus 258V^{(2,1),(1)} \oplus 124V^{(2,1),(2)} \oplus 88V^{(2,1),(1,1)} \oplus 25V^{(2,1),(3)} \oplus 25V^{(2,1),(2,1)} \oplus 27V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 80V^{(1,1,1),(2)} \oplus 64V^{(1,1,1),(1,1)} \oplus 17V^{(1,1,1),(3)} \oplus 17V^{(1,1,1),(2,1)} \oplus 18V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 11V^{(3,1),(2)} \oplus 7V^{(3,1),(1,1)} \oplus 18V^{(2,2),\varnothing} \oplus 92V^{(2,2),(1)} \oplus 11V^{(2,2),(2)} \oplus 7V^{(2,2),(1,1)} \oplus 18V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 11V^{(2,1,1),(2)} \oplus 7V^{(2,1,1),(1,1)} \oplus 9V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)} \oplus 9V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 9V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(4,2)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 28V^{(2),(4)} \oplus 36V^{(2),(3,1)} \oplus 28V^{(2),(2,2)} \oplus 3V^{(2),(4,1)} \oplus 3V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 28V^{(1,1),(4)} \oplus 36V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,2)} \oplus 3V^{(1,1),(4,1)} \oplus 3V^{(1,1),(3,2)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 60V^{(3),(1,1)} \oplus 32V^{(3),(3)} \oplus 32V^{(3),(2,1)} \oplus 6V^{(3),(4)} \oplus 7V^{(3),(3,1)} \oplus 6V^{(3),(2,2)} \oplus 80V^{(2,1),(1)} \oplus 90V^{(2,1),(2)} \oplus 72V^{(2,1),(1,1)} \oplus 52V^{(2,1),(3)} \oplus 52V^{(2,1),(2,1)} \oplus 10V^{(2,1),(4)} \oplus 13V^{(2,1),(3,1)} \oplus 10V^{(2,1),(2,2)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 60V^{(1,1,1),(1,1)} \oplus 32V^{(1,1,1),(3)} \oplus 32V^{(1,1,1),(2,1)} \oplus 6V^{(1,1,1),(4)} \oplus 7V^{(1,1,1),(3,1)} \oplus 6V^{(1,1,1),(2,2)} \oplus 50V^{(3,1),(1)} \oplus 36V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 9V^{(3,1),(3)} \oplus 9V^{(3,1),(2,1)} \oplus 50V^{(2,2),(1)} \oplus 36V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 9V^{(2,2),(3)} \oplus 9V^{(2,2),(2,1)} \oplus 50V^{(2,1,1),(1)} \oplus 36V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 9V^{(2,1,1),(3)} \oplus 9V^{(2,1,1),(2,1)} \oplus 26V^{(3,2),(1)} \oplus 3V^{(3,2),(2)} \oplus 2V^{(3,2),(1,1)} \oplus 26V^{(3,1,1),(1)} \oplus 3V^{(3,1,1),(2)} \oplus 2V^{(3,1,1),(1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 3V^{(2,2,1),(2)} \oplus 2V^{(2,2,1),(1,1)} \oplus V^{(3,2,1),(1)}$
$k = 4: \quad 36V^{(2),(2)} \oplus 36V^{(2),(1,1)} \oplus 36V^{(2),(3)} \oplus 36V^{(2),(2,1)} \oplus 36V^{(2),(4)} \oplus 36V^{(2),(3,1)}$

Table 59: Table for $\lambda = (3,2,1)$, $\mu = (4,1,1)$:

$k = 12: \quad 63V^{\varnothing,\varnothing}$
$k = 11: \quad 1240V^{\varnothing,\varnothing} \oplus 156V^{\varnothing,(1)} \oplus 135V^{(1),\varnothing}$
$k = 10: \quad 2038V^{\varnothing,\varnothing} \oplus 1408V^{\varnothing,(1)} \oplus 42V^{\varnothing,(2)} \oplus 40V^{\varnothing,(1,1)} \oplus 1278V^{(1),\varnothing} \oplus 341V^{(1),(1)} \oplus 45V^{(2),\varnothing} \oplus 45V^{(1,1),\varnothing}$
$k = 9: \quad 1796V^{\varnothing,\varnothing} \oplus 2132V^{\varnothing,(1)} \oplus 536V^{\varnothing,(2)} \oplus 496V^{\varnothing,(1,1)} \oplus 12V^{\varnothing,(3)} \oplus 12V^{\varnothing,(2,1)} \oplus 9V^{\varnothing,(1,1,1)} \oplus 1832V^{(1),\varnothing} \oplus 1724V^{(1),(1)} \oplus 131V^{(1),(2)} \oplus 125V^{(1),(1,1)} \oplus 500V^{(2),\varnothing} \oplus 125V^{(2),(1)} \oplus 500V^{(1,1),\varnothing} \oplus 125V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 15V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8:$ $968V^{\varnothing,\varnothing} \oplus 1680V^{\varnothing,(1)} \oplus 696V^{\varnothing,(2)} \oplus 660V^{\varnothing,(1,1)} \oplus 208V^{\varnothing,(3)} \oplus 208V^{\varnothing,(2,1)} \oplus 136V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 1344V^{(1),\varnothing} \oplus 2330V^{(1),(1)} \oplus 636V^{(1),(2)} \oplus 588V^{(1),(1,1)} \oplus 35V^{(1),(3)} \oplus 35V^{(1),(2,1)} \oplus 27V^{(1),(1,1,1)} \oplus 588V^{(2),\varnothing} \oplus 672V^{(2),(1)} \oplus 83V^{(2),(2)} \oplus 77V^{(2),(1,1)} \oplus 588V^{(1,1),\varnothing} \oplus 672V^{(1,1),(1)} \oplus 83V^{(1,1),(2)} \oplus 77V^{(1,1),(1,1)} \oplus 132V^{(3),\varnothing} \oplus 33V^{(3),(1)} \oplus 256V^{(2,1),\varnothing} \oplus 43V^{(2,1),(1)} \oplus 132V^{(1,1,1),\varnothing} \oplus 33V^{(1,1,1),(1)} \oplus 4V^{(3,1),\varnothing} \oplus 4V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing}$
$k = 7: \quad 280V^{\varnothing,\varnothing} \oplus 880V^{\varnothing,(1)} \oplus 416V^{\varnothing,(2)} \oplus 416V^{\varnothing,(1,1)} \oplus 196V^{\varnothing,(3)} \oplus 196V^{\varnothing,(2,1)} \oplus 146V^{\varnothing,(1,1,1)} \oplus 58V^{\varnothing,(4)} \oplus 84V^{\varnothing,(3,1)} \oplus 58V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 774V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 232V^{(1),(3)} \oplus 232V^{(1),(2,1)} \oplus 168V^{(1),(1,1,1)} \oplus 9V^{(1),(4)} \oplus 11V^{(1),(3,1)} \oplus 9V^{(1),(2,1,1)} \oplus 320V^{(2),\varnothing} \oplus 774V^{(2),(1)} \oplus 272V^{(2),(2)} \oplus 248V^{(2),(1,1)} \oplus 35V^{(2),(3)} \oplus 35V^{(2),(2,1)} \oplus 27V^{(2),(1,1,1)} \oplus 320V^{(1,1),\varnothing} \oplus 774V^{(1,1),(1)} \oplus 272V^{(1,1),(2)} \oplus 248V^{(1,1),(1,1)} \oplus 35V^{(1,1),(3)} \oplus 35V^{(1,1),(2,1)} \oplus 27V^{(1,1),(1,1,1)} \oplus 110V^{(3),\varnothing} \oplus 192V^{(3),(1)} \oplus 27V^{(3),(2)} \oplus 23V^{(3),(1,1)} \oplus 210V^{(2,1),\varnothing} \oplus 296V^{(2,1),(1)} \oplus 37V^{(2,1),(2)} \oplus 31V^{(2,1),(1,1)} \oplus 110V^{(1,1,1),\varnothing} \oplus 192V^{(1,1,1),(1)} \oplus 27V^{(1,1,1),(2)} \oplus 23V^{(1,1,1),(1,1)} \oplus 72V^{(3,1),\varnothing} \oplus 11V^{(3,1),(1)} \oplus 72V^{(2,2),\varnothing} \oplus 11V^{(2,2),(1)} \oplus 72V^{(2,1,1),\varnothing} \oplus 11V^{(2,1,1),(1)} \oplus V^{(3,2),\varnothing} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 256V^{\varnothing,(1)} \oplus 128V^{\varnothing,(2)} \oplus 128V^{\varnothing,(1,1)} \oplus 64V^{\varnothing,(3)} \oplus 64V^{\varnothing,(2,1)} \oplus 64V^{\varnothing,(1,1,1)} \oplus 32V^{\varnothing,(4)} \oplus 32V^{\varnothing,(3,1)} \oplus 32V^{\varnothing,(2,1,1)} \oplus 16V^{\varnothing,(4,1)} \oplus 16V^{\varnothing,(3,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,1,1)} \oplus 70V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 270V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 96V^{(2),(3)} \oplus 96V^{(2),(2,1)} \oplus 68V^{(2),(1,1,1)} \oplus 9V^{(2),(4)} \oplus 11V^{(2),(3,1)} \oplus 9V^{(2),(2,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 270V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 96V^{(1,1),(3)} \oplus 96V^{(1,1),(2,1)} \oplus 68V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(4)} \oplus 11V^{(1,1),(3,1)} \oplus 9V^{(1,1),(2,1,1)} \oplus 40V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 80V^{(3),(2)} \oplus 72V^{(3),(1,1)} \oplus 17V^{(3),(3)} \oplus 17V^{(3),(2,1)} \oplus 12V^{(3),(1,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 258V^{(2,1),(1)} \oplus 124V^{(2,1),(2)} \oplus 112V^{(2,1),(1,1)} \oplus 25V^{(2,1),(3)} \oplus 25V^{(2,1),(2,1)} \oplus 16V^{(2,1),(1,1,1)} \oplus 40V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 80V^{(1,1,1),(2)} \oplus 72V^{(1,1,1),(1,1)} \oplus 17V^{(1,1,1),(3)} \oplus 17V^{(1,1,1),(2,1)} \oplus 12V^{(1,1,1),(1,1,1)} \oplus 20V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 11V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 20V^{(2,2),\varnothing} \oplus 92V^{(2,2),(1)} \oplus 11V^{(2,2),(2)} \oplus 9V^{(2,2),(1,1)} \oplus 20V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 11V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 10V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)} \oplus 10V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 10V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,1,1)} \oplus V^{(1),(4,1,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(4)} \oplus 36V^{(2),(3,1)} \oplus 28V^{(2),(2,1,1)} \oplus 3V^{(2),(4,1)} \oplus 3V^{(2),(3,1,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(4)} \oplus 36V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(4,1)} \oplus 3V^{(1,1),(3,1,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 32V^{(3),(3)} \oplus 32V^{(3),(2,1)} \oplus 24V^{(3),(1,1,1)} \oplus 6V^{(3),(4)} \oplus 7V^{(3),(3,1)} \oplus 6V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 90V^{(2,1),(2)} \oplus 90V^{(2,1),(1,1)} \oplus 52V^{(2,1),(3)} \oplus 52V^{(2,1),(2,1)} \oplus 34V^{(2,1),(1,1,1)} \oplus 10V^{(2,1),(4)} \oplus 13V^{(2,1),(3,1)} \oplus 10V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 32V^{(1,1,1),(3)} \oplus 32V^{(1,1,1),(2,1)} \oplus 24V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(4)} \oplus 7V^{(1,1,1),(3,1)} \oplus 6V^{(1,1,1),(2,1,1)} \oplus 50V^{(3,1),(1)} \oplus 36V^{(3,1),(2)} \oplus 36V^{(3,1),(1,1)} \oplus 9V^{(3,1),(3)} \oplus 9V^{(3,1),(2,1)} \oplus 5V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 36V^{(2,2),(2)} \oplus 36V^{(2,2),(1,1)} \oplus 9V^{(2,2),(3)} \oplus$

Table 60: Table for $\lambda = (3,2,1)$, $\mu = (3,3)$:

$k = 12: \quad 46V^{\varnothing,\varnothing}$
$k = 11: \quad 1113V^{\varnothing,\varnothing} \oplus 126V^{\varnothing,(1)} \oplus 87V^{(1),\varnothing}$
$k = 10: \quad 1850V^{\varnothing,\varnothing} \oplus 1236V^{\varnothing,(1)} \oplus 34V^{\varnothing,(2)} \oplus 33V^{\varnothing,(1,1)} \oplus 1088V^{(1),\varnothing} \oplus 245V^{(1),(1)} \oplus 36V^{(2),\varnothing} \oplus 36V^{(1,1),\varnothing}$
$k = 9: \quad 1470V^{\varnothing,\varnothing} \oplus 1988V^{\varnothing,(1)} \oplus 472V^{\varnothing,(2)} \oplus 368V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(3)} \oplus 10V^{\varnothing,(2,1)} \oplus 1564V^{(1),\varnothing} \oplus 1484V^{(1),(1)} \oplus 107V^{(1),(2)} \oplus 105V^{(1),(1,1)} \oplus 438V^{(2),\varnothing} \oplus 77V^{(2),(1)} \oplus 438V^{(1,1),\varnothing} \oplus 77V^{(1,1),(1)} \oplus 10V^{(3),\varnothing} \oplus 14V^{(2,1),\varnothing} \oplus 10V^{(1,1,1),\varnothing}$
$k = 8: \quad 808V^{\varnothing,\varnothing} \oplus 1632V^{\varnothing,(1)} \oplus 660V^{\varnothing,(2)} \oplus 510V^{\varnothing,(1,1)} \oplus 136V^{\varnothing,(3)} \oplus 188V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 984V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 552V^{(1),(2)} \oplus 472V^{(1),(1,1)} \oplus 27V^{(1),(3)} \oplus 29V^{(1),(2,1)} \oplus 498V^{(2),\varnothing} \oplus 588V^{(2),(1)} \oplus 59V^{(2),(2)} \oplus 57V^{(2),(1,1)} \oplus 498V^{(1,1),\varnothing} \oplus 588V^{(1,1),(1)} \oplus 59V^{(1,1),(2)} \oplus 57V^{(1,1),(1,1)} \oplus 112V^{(3),\varnothing} \oplus 23V^{(3),(1)} \oplus 236V^{(2,1),\varnothing} \oplus 31V^{(2,1),(1)} \oplus 112V^{(1,1,1),\varnothing} \oplus 23V^{(1,1,1),(1)} \oplus 4V^{(3,1),\varnothing} \oplus 4V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing}$
$k = 7: \quad 200V^{\varnothing,\varnothing} \oplus 880V^{\varnothing,(1)} \oplus 416V^{\varnothing,(2)} \oplus 336V^{\varnothing,(1,1)} \oplus 146V^{\varnothing,(3)} \oplus 196V^{\varnothing,(2,1)} \oplus 58V^{\varnothing,(3,1)} \oplus 58V^{\varnothing,(2,2)} \oplus V^{\varnothing,(3,2)} \oplus 365V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 630V^{(1),(1,1)} \oplus 168V^{(1),(3)} \oplus 208V^{(1),(2,1)} \oplus 9V^{(1),(3,1)} \oplus 9V^{(1),(2,2)} \oplus 220V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 230V^{(2),(2)} \oplus 198V^{(2),(1,1)} \oplus 27V^{(2),(3)} \oplus 29V^{(2),(2,1)} \oplus 220V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 230V^{(1,1),(2)} \oplus 198V^{(1,1),(1,1)} \oplus 27V^{(1,1),(3)} \oplus 29V^{(1,1),(2,1)} \oplus 80V^{(3),\varnothing} \oplus 176V^{(3),(1)} \oplus 17V^{(3),(2)} \oplus 16V^{(3),(1,1)} \oplus 180V^{(2,1),\varnothing} \oplus 272V^{(2,1),(1)} \oplus 25V^{(2,1),(2)} \oplus 22V^{(2,1),(1,1)} \oplus 80V^{(1,1,1),\varnothing} \oplus 176V^{(1,1,1),(1)} \oplus 17V^{(1,1,1),(2)} \oplus 16V^{(1,1,1),(1,1)} \oplus 62V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 62V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus 62V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus V^{(3,2),\varnothing} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 256V^{\varnothing,(1)} \oplus 128V^{\varnothing,(2)} \oplus 128V^{\varnothing,(1,1)} \oplus 64V^{\varnothing,(3)} \oplus 64V^{\varnothing,(2,1)} \oplus 32V^{\varnothing,(3,1)} \oplus 32V^{\varnothing,(2,2)} \oplus 16V^{\varnothing,(3,2)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(3,2)} \oplus 25V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 222V^{(2),(1,1)} \oplus 68V^{(2),(3)} \oplus 84V^{(2),(2,1)} \oplus 9V^{(2),(3,1)} \oplus 9V^{(2),(2,2)} \oplus 25V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 222V^{(1,1),(1,1)} \oplus 68V^{(1,1),(3)} \oplus 84V^{(1,1),(2,1)} \oplus 9V^{(1,1),(3,1)} \oplus 9V^{(1,1),(2,2)} \oplus 15V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 72V^{(3),(2)} \oplus 64V^{(3),(1,1)} \oplus 12V^{(3),(3)} \oplus 13V^{(3),(2,1)} \oplus 15V^{(2,1),\varnothing} \oplus 258V^{(2,1),(1)} \oplus 112V^{(2,1),(2)} \oplus 88V^{(2,1),(1,1)} \oplus 16V^{(2,1),(3)} \oplus 19V^{(2,1),(2,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 72V^{(1,1,1),(2)} \oplus 64V^{(1,1,1),(1,1)} \oplus 12V^{(1,1,1),(3)} \oplus 13V^{(1,1,1),(2,1)} \oplus 10V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 7V^{(3,1),(1,1)} \oplus 10V^{(2,2),\varnothing} \oplus 92V^{(2,2),(1)} \oplus 9V^{(2,2),(2)} \oplus 7V^{(2,2),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 7V^{(2,1,1),(1,1)} \oplus 5V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)} \oplus 5V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 5V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(3,3)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 28V^{(2),(3,1)} \oplus 28V^{(2),(2,2)} \oplus 3V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 28V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,2)} \oplus 3V^{(1,1),(3,2)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 60V^{(3),(1,1)} \oplus 24V^{(3),(3)} \oplus 28V^{(3),(2,1)} \oplus 6V^{(3),(3,1)} \oplus 6V^{(3),(2,2)} \oplus 80V^{(2,1),(1)} \oplus 90V^{(2,1),(2)} \oplus 72V^{(2,1),(1,1)} \oplus 34V^{(2,1),(3)} \oplus 46V^{(2,1),(2,1)} \oplus 10V^{(2,1),(3,1)} \oplus 10V^{(2,1),(2,2)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 60V^{(1,1,1),(1,1)} \oplus 24V^{(1,1,1),(3)} \oplus 28V^{(1,1,1),(2,1)} \oplus 6V^{(1,1,1),(3,1)} \oplus 6V^{(1,1,1),(2,2)} \oplus 50V^{(3,1),(1)} \oplus 36V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 5V^{(3,1),(3)} \oplus 7V^{(3,1),(2,1)} \oplus 50V^{(2,2),(1)} \oplus 36V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 5V^{(2,2),(3)} \oplus 7V^{(2,2),(2,1)} \oplus 50V^{(2,1,1),(1)} \oplus 36V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 5V^{(2,1,1),(3)} \oplus 7V^{(2,1,1),(2,1)} \oplus 26V^{(3,2),(1)} \oplus 3V^{(3,2),(2)} \oplus 2V^{(3,2),(1,1)} \oplus 26V^{(3,1,1),(1)} \oplus 3V^{(3,1,1),(2)} \oplus 2V^{(3,1,1),(1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 3V^{(2,2,1),(2)} \oplus 2V^{(2,2,1),(1,1)} \oplus V^{(3,2,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(3,3)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus 10V^{(1,1),(3,2)} \oplus V^{(1,1),(3,3)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus$

Table 61: Table for $\lambda = (3,2,1)$, $\mu = (3,2,1)$:

$k = 12: \quad 373V^{\varnothing,\varnothing}$
$k = 11: \quad 1402V^{\varnothing,\varnothing} \oplus 178V^{\varnothing,(1)} \oplus 178V^{(1),\varnothing}$
$k = 10: \quad 2238V^{\varnothing,\varnothing} \oplus 1452V^{\varnothing,(1)} \oplus 48V^{\varnothing,(2)} \oplus 48V^{\varnothing,(1,1)} \oplus 1452V^{(1),\varnothing} \oplus 413V^{(1),(1)} \oplus 48V^{(2),\varnothing} \oplus 48V^{(1,1),\varnothing}$
$k = 9: \quad 2084V^{\varnothing,\varnothing} \oplus 2132V^{\varnothing,(1)} \oplus 560V^{\varnothing,(2)} \oplus 560V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 2132V^{(1),\varnothing} \oplus 1796V^{(1),(1)} \oplus 149V^{(1),(2)} \oplus 149V^{(1),(1,1)} \oplus 560V^{(2),\varnothing} \oplus 149V^{(2),(1)} \oplus 560V^{(1,1),\varnothing} \oplus 149V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 15V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 1416V^{\varnothing,\varnothing} \oplus 1680V^{\varnothing,(1)} \oplus 696V^{\varnothing,(2)} \oplus 696V^{\varnothing,(1,1)} \oplus 156V^{\varnothing,(3)} \oplus 280V^{\varnothing,(2,1)} \oplus 156V^{\varnothing,(1,1,1)} \oplus 4V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 1680V^{(1),\varnothing} \oplus 2330V^{(1),(1)} \oplus 672V^{(1),(2)} \oplus 672V^{(1),(1,1)} \oplus 33V^{(1),(3)} \oplus 43V^{(1),(2,1)} \oplus 33V^{(1),(1,1,1)} \oplus 696V^{(2),\varnothing} \oplus 672V^{(2),(1)} \oplus 101V^{(2),(2)} \oplus 101V^{(2),(1,1)} \oplus 696V^{(1,1),\varnothing} \oplus 672V^{(1,1),(1)} \oplus 101V^{(1,1),(2)} \oplus 101V^{(1,1),(1,1)} \oplus 156V^{(3),\varnothing} \oplus 33V^{(3),(1)} \oplus 280V^{(2,1),\varnothing} \oplus 43V^{(2,1),(1)} \oplus 156V^{(1,1,1),\varnothing} \oplus 33V^{(1,1,1),(1)} \oplus 4V^{(3,1),\varnothing} \oplus 4V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing}$
$k = 7: \quad 888V^{\varnothing,\varnothing} \oplus 880V^{\varnothing,(1)} \oplus 416V^{\varnothing,(2)} \oplus 416V^{\varnothing,(1,1)} \oplus 146V^{\varnothing,(3)} \oplus 246V^{\varnothing,(2,1)} \oplus 146V^{\varnothing,(1,1,1)} \oplus 84V^{\varnothing,(3,1)} \oplus 84V^{\varnothing,(2,2)} \oplus 84V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(3,2)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 880V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 774V^{(1),(2)} \oplus 774V^{(1),(1,1)} \oplus 192V^{(1),(3)} \oplus 296V^{(1),(2,1)} \oplus 192V^{(1),(1,1,1)} \oplus 11V^{(1),(3,1)} \oplus 11V^{(1),(2,2)} \oplus 11V^{(1),(2,1,1)} \oplus 416V^{(2),\varnothing} \oplus 774V^{(2),(1)} \oplus 290V^{(2),(2)} \oplus 290V^{(2),(1,1)} \oplus 33V^{(2),(3)} \oplus 43V^{(2),(2,1)} \oplus 33V^{(2),(1,1,1)} \oplus 416V^{(1,1),\varnothing} \oplus 774V^{(1,1),(1)} \oplus 290V^{(1,1),(2)} \oplus 290V^{(1,1),(1,1)} \oplus 33V^{(1,1),(3)} \oplus 43V^{(1,1),(2,1)} \oplus 33V^{(1,1),(1,1,1)} \oplus 146V^{(3),\varnothing} \oplus 192V^{(3),(1)} \oplus 33V^{(3),(2)} \oplus 33V^{(3),(1,1)} \oplus 246V^{(2,1),\varnothing} \oplus 296V^{(2,1),(1)} \oplus 43V^{(2,1),(2)} \oplus 43V^{(2,1),(1,1)} \oplus 146V^{(1,1,1),\varnothing} \oplus 192V^{(1,1,1),(1)} \oplus 33V^{(1,1,1),(2)} \oplus 33V^{(1,1,1),(1,1)} \oplus 84V^{(3,1),\varnothing} \oplus 11V^{(3,1),(1)} \oplus 84V^{(2,2),\varnothing} \oplus 11V^{(2,2),(1)} \oplus 84V^{(2,1,1),\varnothing} \oplus 11V^{(2,1,1),(1)} \oplus V^{(3,2),\varnothing} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,2,1),\varnothing}$
$k = 6:$ $256V^{\varnothing,\varnothing} \oplus 256V^{\varnothing,(1)} \oplus 128V^{\varnothing,(2)} \oplus 128V^{\varnothing,(1,1)} \oplus 64V^{\varnothing,(3)} \oplus 64V^{\varnothing,(2,1)} \oplus 64V^{\varnothing,(1,1,1)} \oplus 32V^{\varnothing,(3,1)} \oplus 32V^{\varnothing,(2,2)} \oplus 32V^{\varnothing,(2,1,1)} \oplus 16V^{\varnothing,(3,2)} \oplus 16V^{\varnothing,(3,1,1)} \oplus 16V^{\varnothing,(2,2,1)} \oplus 256V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 258V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 92V^{(1),(3,1)} \oplus 92V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 3V^{(1),(3,2)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 128V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 270V^{(2),(2)} \oplus 270V^{(2),(1,1)} \oplus 80V^{(2),(3)} \oplus 124V^{(2),(2,1)} \oplus 80V^{(2),(1,1,1)} \oplus 11V^{(2),(3,1)} \oplus 11V^{(2),(2,2)} \oplus 11V^{(2),(2,1,1)} \oplus 128V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 270V^{(1,1),(2)} \oplus 270V^{(1,1),(1,1)} \oplus 80V^{(1,1),(3)} \oplus 124V^{(1,1),(2,1)} \oplus 80V^{(1,1),(1,1,1)} \oplus 11V^{(1,1),(3,1)} \oplus 11V^{(1,1),(2,2)} \oplus 11V^{(1,1),(2,1,1)} \oplus 64V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 80V^{(3),(2)} \oplus 80V^{(3),(1,1)} \oplus 16V^{(3),(3)} \oplus 22V^{(3),(2,1)} \oplus 16V^{(3),(1,1,1)} \oplus 64V^{(2,1),\varnothing} \oplus 258V^{(2,1),(1)} \oplus 124V^{(2,1),(2)} \oplus 124V^{(2,1),(1,1)} \oplus 22V^{(2,1),(3)} \oplus 34V^{(2,1),(2,1)} \oplus 22V^{(2,1),(1,1,1)} \oplus 64V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 80V^{(1,1,1),(2)} \oplus 80V^{(1,1,1),(1,1)} \oplus 16V^{(1,1,1),(3)} \oplus 22V^{(1,1,1),(2,1)} \oplus 16V^{(1,1,1),(1,1,1)} \oplus 32V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 11V^{(3,1),(2)} \oplus 11V^{(3,1),(1,1)} \oplus 32V^{(2,2),\varnothing} \oplus 92V^{(2,2),(1)} \oplus 11V^{(2,2),(2)} \oplus 11V^{(2,2),(1,1)} \oplus 32V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 11V^{(2,1,1),(2)} \oplus 11V^{(2,1,1),(1,1)} \oplus 16V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)} \oplus 16V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 16V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(3,2)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(3,2,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 90V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 36V^{(2),(3,1)} \oplus 36V^{(2),(2,2)} \oplus 36V^{(2),(2,1,1)} \oplus 3V^{(2),(3,2)} \oplus 3V^{(2),(3,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 90V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 36V^{(1,1),(3,1)} \oplus 36V^{(1,1),(2,2)} \oplus 36V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(3,2)} \oplus 3V^{(1,1),(3,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 28V^{(3),(3)} \oplus 40V^{(3),(2,1)} \oplus 28V^{(3),(1,1,1)} \oplus 7V^{(3),(3,1)} \oplus 7V^{(3),(2,2)} \oplus 7V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 90V^{(2,1),(2)} \oplus 90V^{(2,1),(1,1)} \oplus 40V^{(2,1),(3)} \oplus 70V^{(2,1),(2,1)} \oplus 40V^{(2,1),(1,1,1)} \oplus$

Table 62: Table for $\lambda = (3,2,1)$, $\mu = (3,1,1,1)$:

$k = 12: \quad 63V^{\varnothing,\varnothing}$
$k = 11: \quad 1240V^{\varnothing,\varnothing} \oplus 156V^{\varnothing,(1)} \oplus 135V^{(1),\varnothing}$
$k = 10: \quad 2038V^{\varnothing,\varnothing} \oplus 1408V^{\varnothing,(1)} \oplus 40V^{\varnothing,(2)} \oplus 42V^{\varnothing,(1,1)} \oplus 1278V^{(1),\varnothing} \oplus 341V^{(1),(1)} \oplus 45V^{(2),\varnothing} \oplus 45V^{(1,1),\varnothing}$
$k = 9: \quad 1796V^{\varnothing,\varnothing} \oplus 2132V^{\varnothing,(1)} \oplus 496V^{\varnothing,(2)} \oplus 536V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(3)} \oplus 12V^{\varnothing,(2,1)} \oplus 12V^{\varnothing,(1,1,1)} \oplus 1832V^{(1),\varnothing} \oplus 1724V^{(1),(1)} \oplus 125V^{(1),(2)} \oplus 131V^{(1),(1,1)} \oplus 500V^{(2),\varnothing} \oplus 125V^{(2),(1)} \oplus 500V^{(1,1),\varnothing} \oplus 125V^{(1,1),(1)} \oplus 11V^{(3),\varnothing} \oplus 15V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 968V^{\varnothing,\varnothing} \oplus 1680V^{\varnothing,(1)} \oplus 660V^{\varnothing,(2)} \oplus 696V^{\varnothing,(1,1)} \oplus 136V^{\varnothing,(3)} \oplus 208V^{\varnothing,(2,1)} \oplus 208V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1344V^{(1),\varnothing} \oplus 2330V^{(1),(1)} \oplus 588V^{(1),(2)} \oplus 636V^{(1),(1,1)} \oplus 27V^{(1),(3)} \oplus 35V^{(1),(2,1)} \oplus 35V^{(1),(1,1,1)} \oplus 588V^{(2),\varnothing} \oplus 672V^{(2),(1)} \oplus 77V^{(2),(2)} \oplus 83V^{(2),(1,1)} \oplus 588V^{(1,1),\varnothing} \oplus 672V^{(1,1),(1)} \oplus 77V^{(1,1),(2)} \oplus 83V^{(1,1),(1,1)} \oplus 132V^{(3),\varnothing} \oplus 33V^{(3),(1)} \oplus 256V^{(2,1),\varnothing} \oplus 43V^{(2,1),(1)} \oplus 132V^{(1,1,1),\varnothing} \oplus 33V^{(1,1,1),(1)} \oplus 4V^{(3,1),\varnothing} \oplus 4V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing}$
$k = 7:$ $280V^{\varnothing,\varnothing} \oplus 880V^{\varnothing,(1)} \oplus 416V^{\varnothing,(2)} \oplus 416V^{\varnothing,(1,1)} \oplus 146V^{\varnothing,(3)} \oplus 196V^{\varnothing,(2,1)} \oplus 196V^{\varnothing,(1,1,1)} \oplus 58V^{\varnothing,(3,1)} \oplus 84V^{\varnothing,(2,1,1)} \oplus 58V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 774V^{(1),(1,1)} \oplus 168V^{(1),(3)} \oplus 232V^{(1),(2,1)} \oplus 232V^{(1),(1,1,1)} \oplus 9V^{(1),(3,1)} \oplus 11V^{(1),(2,1,1)} \oplus 9V^{(1),(1,1,1,1)} \oplus 320V^{(2),\varnothing} \oplus 774V^{(2),(1)} \oplus 248V^{(2),(2)} \oplus 272V^{(2),(1,1)} \oplus 27V^{(2),(3)} \oplus 35V^{(2),(2,1)} \oplus 35V^{(2),(1,1,1)} \oplus 320V^{(1,1),\varnothing} \oplus 774V^{(1,1),(1)} \oplus 248V^{(1,1),(2)} \oplus 272V^{(1,1),(1,1)} \oplus 27V^{(1,1),(3)} \oplus 35V^{(1,1),(2,1)} \oplus 35V^{(1,1),(1,1,1)} \oplus 110V^{(3),\varnothing} \oplus 192V^{(3),(1)} \oplus 23V^{(3),(2)} \oplus 27V^{(3),(1,1)} \oplus 210V^{(2,1),\varnothing} \oplus 296V^{(2,1),(1)} \oplus 31V^{(2,1),(2)} \oplus 37V^{(2,1),(1,1)} \oplus 110V^{(1,1,1),\varnothing} \oplus 192V^{(1,1,1),(1)} \oplus 23V^{(1,1,1),(2)} \oplus 27V^{(1,1,1),(1,1)} \oplus 72V^{(3,1),\varnothing} \oplus 11V^{(3,1),(1)} \oplus 72V^{(2,2),\varnothing} \oplus 11V^{(2,2),(1)} \oplus 72V^{(2,1,1),\varnothing} \oplus 11V^{(2,1,1),(1)} \oplus V^{(3,2),\varnothing} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 256V^{\varnothing,(1)} \oplus 128V^{\varnothing,(2)} \oplus 128V^{\varnothing,(1,1)} \oplus 64V^{\varnothing,(3)} \oplus 64V^{\varnothing,(2,1)} \oplus 64V^{\varnothing,(1,1,1)} \oplus 32V^{\varnothing,(3,1)} \oplus 32V^{\varnothing,(2,1,1)} \oplus 32V^{\varnothing,(1,1,1,1)} \oplus 16V^{\varnothing,(3,1,1)} \oplus 16V^{\varnothing,(2,1,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(3,1)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 70V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 270V^{(2),(1,1)} \oplus 68V^{(2),(3)} \oplus 96V^{(2),(2,1)} \oplus 96V^{(2),(1,1,1)} \oplus 9V^{(2),(3,1)} \oplus 11V^{(2),(2,1,1)} \oplus 9V^{(2),(1,1,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 270V^{(1,1),(1,1)} \oplus 68V^{(1,1),(3)} \oplus 96V^{(1,1),(2,1)} \oplus 96V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(3,1)} \oplus 11V^{(1,1),(2,1,1)} \oplus 9V^{(1,1),(1,1,1,1)} \oplus 40V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 72V^{(3),(2)} \oplus 80V^{(3),(1,1)} \oplus 12V^{(3),(3)} \oplus 17V^{(3),(2,1)} \oplus 17V^{(3),(1,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 258V^{(2,1),(1)} \oplus 112V^{(2,1),(2)} \oplus 124V^{(2,1),(1,1)} \oplus 16V^{(2,1),(3)} \oplus 25V^{(2,1),(2,1)} \oplus 25V^{(2,1),(1,1,1)} \oplus 40V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 72V^{(1,1,1),(2)} \oplus 80V^{(1,1,1),(1,1)} \oplus 12V^{(1,1,1),(3)} \oplus 17V^{(1,1,1),(2,1)} \oplus 17V^{(1,1,1),(1,1,1)} \oplus 20V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 11V^{(3,1),(1,1)} \oplus 20V^{(2,2),\varnothing} \oplus 92V^{(2,2),(1)} \oplus 9V^{(2,2),(2)} \oplus 11V^{(2,2),(1,1)} \oplus 20V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 11V^{(2,1,1),(1,1)} \oplus 10V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)} \oplus 10V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 10V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(3,1,1,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(3,1)} \oplus 36V^{(2),(2,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 3V^{(2),(3,1,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(3,1)} \oplus 36V^{(1,1),(2,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(3,1,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 24V^{(3),(3)} \oplus 32V^{(3),(2,1)} \oplus 32V^{(3),(1,1,1)} \oplus 6V^{(3),(3,1)} \oplus 7V^{(3),(2,1,1)} \oplus 6V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 90V^{(2,1),(2)} \oplus 90V^{(2,1),(1,1)} \oplus 34V^{(2,1),(3)} \oplus 52V^{(2,1),(2,1)} \oplus 52V^{(2,1),(1,1,1)} \oplus 10V^{(2,1),(3,1)} \oplus 13V^{(2,1),(2,1,1)} \oplus 10V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus$

Table 63: Table for $\lambda = (3,2,1)$, $\mu = (2,2,2)$:

$k = 12: \quad 46V^{\varnothing,\varnothing}$
$k = 11: \quad 1113V^{\varnothing,\varnothing} \oplus 126V^{\varnothing,(1)} \oplus 87V^{(1),\varnothing}$
$k = 10: \quad 1850V^{\varnothing,\varnothing} \oplus 1236V^{\varnothing,(1)} \oplus 33V^{\varnothing,(2)} \oplus 34V^{\varnothing,(1,1)} \oplus 1088V^{(1),\varnothing} \oplus 245V^{(1),(1)} \oplus 36V^{(2),\varnothing} \oplus 36V^{(1,1),\varnothing}$
$k = 9: \quad 1470V^{\varnothing,\varnothing} \oplus 1988V^{\varnothing,(1)} \oplus 368V^{\varnothing,(2)} \oplus 472V^{\varnothing,(1,1)} \oplus 10V^{\varnothing,(2,1)} \oplus 9V^{\varnothing,(1,1,1)} \oplus 1564V^{(1),\varnothing} \oplus 1484V^{(1),(1)} \oplus 105V^{(1),(2)} \oplus 107V^{(1),(1,1)} \oplus 438V^{(2),\varnothing} \oplus 77V^{(2),(1)} \oplus 438V^{(1,1),\varnothing} \oplus 77V^{(1,1),(1)} \oplus 10V^{(3),\varnothing} \oplus 14V^{(2,1),\varnothing} \oplus 10V^{(1,1,1),\varnothing}$
$k = 8: \quad 808V^{\varnothing,\varnothing} \oplus 1632V^{\varnothing,(1)} \oplus 510V^{\varnothing,(2)} \oplus 660V^{\varnothing,(1,1)} \oplus 188V^{\varnothing,(2,1)} \oplus 136V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 984V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 472V^{(1),(2)} \oplus 552V^{(1),(1,1)} \oplus 29V^{(1),(2,1)} \oplus 27V^{(1),(1,1,1)} \oplus 498V^{(2),\varnothing} \oplus 588V^{(2),(1)} \oplus 57V^{(2),(2)} \oplus 59V^{(2),(1,1)} \oplus 498V^{(1,1),\varnothing} \oplus 588V^{(1,1),(1)} \oplus 57V^{(1,1),(2)} \oplus 59V^{(1,1),(1,1)} \oplus 112V^{(3),\varnothing} \oplus 23V^{(3),(1)} \oplus 236V^{(2,1),\varnothing} \oplus 31V^{(2,1),(1)} \oplus 112V^{(1,1,1),\varnothing} \oplus 23V^{(1,1,1),(1)} \oplus 4V^{(3,1),\varnothing} \oplus 4V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing}$
$k = 7: \quad 200V^{\varnothing,\varnothing} \oplus 880V^{\varnothing,(1)} \oplus 336V^{\varnothing,(2)} \oplus 416V^{\varnothing,(1,1)} \oplus 196V^{\varnothing,(2,1)} \oplus 146V^{\varnothing,(1,1,1)} \oplus 58V^{\varnothing,(2,2)} \oplus 58V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 365V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 630V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 208V^{(1),(2,1)} \oplus 168V^{(1),(1,1,1)} \oplus 9V^{(1),(2,2)} \oplus 9V^{(1),(2,1,1)} \oplus 220V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 198V^{(2),(2)} \oplus 230V^{(2),(1,1)} \oplus 29V^{(2),(2,1)} \oplus 27V^{(2),(1,1,1)} \oplus 220V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 198V^{(1,1),(2)} \oplus 230V^{(1,1),(1,1)} \oplus 29V^{(1,1),(2,1)} \oplus 27V^{(1,1),(1,1,1)} \oplus 80V^{(3),\varnothing} \oplus 176V^{(3),(1)} \oplus 16V^{(3),(2)} \oplus 17V^{(3),(1,1)} \oplus 180V^{(2,1),\varnothing} \oplus 272V^{(2,1),(1)} \oplus 22V^{(2,1),(2)} \oplus 25V^{(2,1),(1,1)} \oplus 80V^{(1,1,1),\varnothing} \oplus 176V^{(1,1,1),(1)} \oplus 16V^{(1,1,1),(2)} \oplus 17V^{(1,1,1),(1,1)} \oplus 62V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 62V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus 62V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus V^{(3,2),\varnothing} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 256V^{\varnothing,(1)} \oplus 128V^{\varnothing,(2)} \oplus 128V^{\varnothing,(1,1)} \oplus 64V^{\varnothing,(2,1)} \oplus 64V^{\varnothing,(1,1,1)} \oplus 32V^{\varnothing,(2,2)} \oplus 32V^{\varnothing,(2,1,1)} \oplus 16V^{\varnothing,(2,2,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 25V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 222V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 84V^{(2),(2,1)} \oplus 68V^{(2),(1,1,1)} \oplus 9V^{(2),(2,2)} \oplus 9V^{(2),(2,1,1)} \oplus 25V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 222V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 84V^{(1,1),(2,1)} \oplus 68V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(2,2)} \oplus 9V^{(1,1),(2,1,1)} \oplus 15V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 72V^{(3),(1,1)} \oplus 13V^{(3),(2,1)} \oplus 12V^{(3),(1,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 258V^{(2,1),(1)} \oplus 88V^{(2,1),(2)} \oplus 112V^{(2,1),(1,1)} \oplus 19V^{(2,1),(2,1)} \oplus 16V^{(2,1),(1,1,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus 72V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(2,1)} \oplus 12V^{(1,1,1),(1,1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 7V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 10V^{(2,2),\varnothing} \oplus 92V^{(2,2),(1)} \oplus 7V^{(2,2),(2)} \oplus 9V^{(2,2),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 7V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 5V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)} \oplus 5V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 5V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(2,2,2)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(2,2)} \oplus 28V^{(2),(2,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,2)} \oplus 28V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 28V^{(3),(2,1)} \oplus 24V^{(3),(1,1,1)} \oplus 6V^{(3),(2,2)} \oplus 6V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 72V^{(2,1),(2)} \oplus 90V^{(2,1),(1,1)} \oplus 46V^{(2,1),(2,1)} \oplus 34V^{(2,1),(1,1,1)} \oplus 10V^{(2,1),(2,2)} \oplus 10V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(2,1)} \oplus 24V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(2,2)} \oplus 6V^{(1,1,1),(2,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 36V^{(3,1),(1,1)} \oplus 7V^{(3,1),(2,1)} \oplus 5V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 36V^{(2,2),(1,1)} \oplus 7V^{(2,2),(2,1)} \oplus 5V^{(2,2),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 36V^{(2,1,1),(1,1)} \oplus 7V^{(2,1,1),(2,1)} \oplus 5V^{(2,1,1),(1,1,1)} \oplus 26V^{(3,2),(1)} \oplus 2V^{(3,2),(2)} \oplus 3V^{(3,2),(1,1)} \oplus 26V^{(3,1,1),(1)} \oplus 2V^{(3,1,1),(2)} \oplus 3V^{(3,1,1),(1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 2V^{(2,2,1),(2)} \oplus 3V^{(2,2,1),(1,1)} \oplus V^{(3,2,1),(1)}$
$k = 4:$

Table 64: Table for $\lambda = (3,2,1)$, $\mu = (2,2,1,1)$:

$k = 12: \quad 46V^{\varnothing,\varnothing}$
$k = 11: \quad 1177V^{\varnothing,\varnothing} \oplus 154V^{\varnothing,(1)} \oplus 106V^{(1),\varnothing}$
$k = 10: \quad 1978V^{\varnothing,\varnothing} \oplus 1328V^{\varnothing,(1)} \oplus 39V^{\varnothing,(2)} \oplus 42V^{\varnothing,(1,1)} \oplus 1198V^{(1),\varnothing} \oplus 335V^{(1),(1)} \oplus 37V^{(2),\varnothing} \oplus 37V^{(1,1),\varnothing}$
$k = 9: \quad 1598V^{\varnothing,\varnothing} \oplus 2024V^{\varnothing,(1)} \oplus 392V^{\varnothing,(2)} \oplus 536V^{\varnothing,(1,1)} \oplus 12V^{\varnothing,(2,1)} \oplus 12V^{\varnothing,(1,1,1)} \oplus 1764V^{(1),\varnothing} \oplus 1628V^{(1),(1)} \oplus 123V^{(1),(2)} \oplus 131V^{(1),(1,1)} \oplus 478V^{(2),\varnothing} \oplus 119V^{(2),(1)} \oplus 478V^{(1,1),\varnothing} \oplus 119V^{(1,1),(1)} \oplus 10V^{(3),\varnothing} \oplus 14V^{(2,1),\varnothing} \oplus 10V^{(1,1,1),\varnothing}$
$k = 8:$ $936V^{\varnothing,\varnothing} \oplus 1632V^{\varnothing,(1)} \oplus 510V^{\varnothing,(2)} \oplus 696V^{\varnothing,(1,1)} \oplus 208V^{\varnothing,(2,1)} \oplus 208V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1144V^{(1),\varnothing} \oplus 2222V^{(1),(1)} \oplus 508V^{(1),(2)} \oplus 636V^{(1),(1,1)} \oplus 35V^{(1),(2,1)} \oplus 35V^{(1),(1,1,1)} \oplus 570V^{(2),\varnothing} \oplus 624V^{(2),(1)} \oplus 75V^{(2),(2)} \oplus 83V^{(2),(1,1)} \oplus 570V^{(1,1),\varnothing} \oplus 624V^{(1,1),(1)} \oplus 75V^{(1,1),(2)} \oplus 83V^{(1,1),(1,1)} \oplus 128V^{(3),\varnothing} \oplus 29V^{(3),(1)} \oplus 252V^{(2,1),\varnothing} \oplus 37V^{(2,1),(1)} \oplus 128V^{(1,1,1),\varnothing} \oplus 29V^{(1,1,1),(1)} \oplus 4V^{(3,1),\varnothing} \oplus 4V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing}$
$k = 7: \quad 264V^{\varnothing,\varnothing} \oplus 880V^{\varnothing,(1)} \oplus 336V^{\varnothing,(2)} \oplus 416V^{\varnothing,(1,1)} \oplus 196V^{\varnothing,(2,1)} \oplus 196V^{\varnothing,(1,1,1)} \oplus 58V^{\varnothing,(2,2)} \oplus 84V^{\varnothing,(2,1,1)} \oplus 58V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 510V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 630V^{(1),(2)} \oplus 774V^{(1),(1,1)} \oplus 232V^{(1),(2,1)} \oplus 232V^{(1),(1,1,1)} \oplus 9V^{(1),(2,2)} \oplus 11V^{(1),(2,1,1)} \oplus 9V^{(1),(1,1,1,1)} \oplus 268V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 216V^{(2),(2)} \oplus 272V^{(2),(1,1)} \oplus 35V^{(2),(2,1)} \oplus 35V^{(2),(1,1,1)} \oplus 268V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 216V^{(1,1),(2)} \oplus 272V^{(1,1),(1,1)} \oplus 35V^{(1,1),(2,1)} \oplus 35V^{(1,1),(1,1,1)} \oplus 104V^{(3),\varnothing} \oplus 176V^{(3),(1)} \oplus 22V^{(3),(2)} \oplus 27V^{(3),(1,1)} \oplus 204V^{(2,1),\varnothing} \oplus 272V^{(2,1),(1)} \oplus 28V^{(2,1),(2)} \oplus 37V^{(2,1),(1,1)} \oplus 104V^{(1,1,1),\varnothing} \oplus 176V^{(1,1,1),(1)} \oplus 22V^{(1,1,1),(2)} \oplus 27V^{(1,1,1),(1,1)} \oplus 70V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 70V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus 70V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus V^{(3,2),\varnothing} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 256V^{\varnothing,(1)} \oplus 128V^{\varnothing,(2)} \oplus 128V^{\varnothing,(1,1)} \oplus 64V^{\varnothing,(2,1)} \oplus 64V^{\varnothing,(1,1,1)} \oplus 32V^{\varnothing,(2,2)} \oplus 32V^{\varnothing,(2,1,1)} \oplus 32V^{\varnothing,(1,1,1,1)} \oplus 16V^{\varnothing,(2,2,1)} \oplus 16V^{\varnothing,(2,1,1,1)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 54V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 222V^{(2),(2)} \oplus 270V^{(2),(1,1)} \oplus 96V^{(2),(2,1)} \oplus 96V^{(2),(1,1,1)} \oplus 9V^{(2),(2,2)} \oplus 11V^{(2),(2,1,1)} \oplus 9V^{(2),(1,1,1,1)} \oplus 54V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 222V^{(1,1),(2)} \oplus 270V^{(1,1),(1,1)} \oplus 96V^{(1,1),(2,1)} \oplus 96V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(2,2)} \oplus 11V^{(1,1),(2,1,1)} \oplus 9V^{(1,1),(1,1,1,1)} \oplus 27V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 80V^{(3),(1,1)} \oplus 17V^{(3),(2,1)} \oplus 17V^{(3),(1,1,1)} \oplus 27V^{(2,1),\varnothing} \oplus 258V^{(2,1),(1)} \oplus 88V^{(2,1),(2)} \oplus 124V^{(2,1),(1,1)} \oplus 25V^{(2,1),(2,1)} \oplus 25V^{(2,1),(1,1,1)} \oplus 27V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus 80V^{(1,1,1),(1,1)} \oplus 17V^{(1,1,1),(2,1)} \oplus 17V^{(1,1,1),(1,1,1)} \oplus 18V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 7V^{(3,1),(2)} \oplus 11V^{(3,1),(1,1)} \oplus 18V^{(2,2),\varnothing} \oplus 92V^{(2,2),(1)} \oplus 7V^{(2,2),(2)} \oplus 11V^{(2,2),(1,1)} \oplus 18V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 7V^{(2,1,1),(2)} \oplus 11V^{(2,1,1),(1,1)} \oplus 9V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)} \oplus 9V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 9V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(2,2,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(2,2)} \oplus 36V^{(2),(2,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,2)} \oplus 36V^{(1,1),(2,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 32V^{(3),(2,1)} \oplus 32V^{(3),(1,1,1)} \oplus 6V^{(3),(2,2)} \oplus 7V^{(3),(2,1,1)} \oplus 6V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 72V^{(2,1),(2)} \oplus 90V^{(2,1),(1,1)} \oplus 52V^{(2,1),(2,1)} \oplus 52V^{(2,1),(1,1,1)} \oplus 10V^{(2,1),(2,2)} \oplus 13V^{(2,1),(2,1,1)} \oplus 10V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 32V^{(1,1,1),(2,1)} \oplus 32V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(2,2)} \oplus 7V^{(1,1,1),(2,1,1)} \oplus 6V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 36V^{(3,1),(1,1)} \oplus 9V^{(3,1),(2,1)} \oplus 9V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 36V^{(2,2),(1,1)} \oplus 9V^{(2,2),(2,1)} \oplus 9V^{(2,2),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 36V^{(2,1,1),(1,1)} \oplus$

Table 65: Table for $\lambda = (3,2,1)$, $\mu = (2,1,1,1,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1072V^{\varnothing,\varnothing} \oplus 148V^{\varnothing,(1)} \oplus 70V^{(1),\varnothing}$
$k = 10: \quad 1842V^{\varnothing,\varnothing} \oplus 1280V^{\varnothing,(1)} \oplus 31V^{\varnothing,(2)} \oplus 40V^{\varnothing,(1,1)} \oplus 1070V^{(1),\varnothing} \oplus 317V^{(1),(1)} \oplus 33V^{(2),\varnothing} \oplus 33V^{(1,1),\varnothing}$
$k = 9: \quad 1470V^{\varnothing,\varnothing} \oplus 1988V^{\varnothing,(1)} \oplus 328V^{\varnothing,(2)} \oplus 496V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(2,1)} \oplus 12V^{\varnothing,(1,1,1)} \oplus 1564V^{(1),\varnothing} \oplus 1556V^{(1),(1)} \oplus 99V^{(1),(2)} \oplus 125V^{(1),(1,1)} \oplus 438V^{(2),\varnothing} \oplus 101V^{(2),(1)} \oplus 438V^{(1,1),\varnothing} \oplus 101V^{(1,1),(1)} \oplus 10V^{(3),\varnothing} \oplus 14V^{(2,1),\varnothing} \oplus 10V^{(1,1,1),\varnothing}$
$k = 8: \quad 728V^{\varnothing,\varnothing} \oplus 1632V^{\varnothing,(1)} \oplus 474V^{\varnothing,(2)} \oplus 660V^{\varnothing,(1,1)} \oplus 136V^{\varnothing,(2,1)} \oplus 208V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 4V^{\varnothing,(1,1,1,1)} \oplus 984V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 424V^{(1),(2)} \oplus 588V^{(1),(1,1)} \oplus 27V^{(1),(2,1)} \oplus 35V^{(1),(1,1,1)} \oplus 498V^{(2),\varnothing} \oplus 588V^{(2),(1)} \oplus 51V^{(2),(2)} \oplus 77V^{(2),(1,1)} \oplus 498V^{(1,1),\varnothing} \oplus 588V^{(1,1),(1)} \oplus 51V^{(1,1),(2)} \oplus 77V^{(1,1),(1,1)} \oplus 112V^{(3),\varnothing} \oplus 23V^{(3),(1)} \oplus 236V^{(2,1),\varnothing} \oplus 31V^{(2,1),(1)} \oplus 112V^{(1,1,1),\varnothing} \oplus 23V^{(1,1,1),(1)} \oplus 4V^{(3,1),\varnothing} \oplus 4V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 880V^{\varnothing,(1)} \oplus 336V^{\varnothing,(2)} \oplus 416V^{\varnothing,(1,1)} \oplus 146V^{\varnothing,(2,1)} \oplus 196V^{\varnothing,(1,1,1)} \oplus 58V^{\varnothing,(2,1,1)} \oplus 84V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus 340V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 594V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 168V^{(1),(2,1)} \oplus 232V^{(1),(1,1,1)} \oplus 9V^{(1),(2,1,1)} \oplus 11V^{(1),(1,1,1,1)} \oplus 220V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 174V^{(2),(2)} \oplus 248V^{(2),(1,1)} \oplus 27V^{(2),(2,1)} \oplus 35V^{(2),(1,1,1)} \oplus 220V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 174V^{(1,1),(2)} \oplus 248V^{(1,1),(1,1)} \oplus 27V^{(1,1),(2,1)} \oplus 35V^{(1,1),(1,1,1)} \oplus 80V^{(3),\varnothing} \oplus 176V^{(3),(1)} \oplus 12V^{(3),(2)} \oplus 23V^{(3),(1,1)} \oplus 180V^{(2,1),\varnothing} \oplus 272V^{(2,1),(1)} \oplus 16V^{(2,1),(2)} \oplus 31V^{(2,1),(1,1)} \oplus 80V^{(1,1,1),\varnothing} \oplus 176V^{(1,1,1),(1)} \oplus 12V^{(1,1,1),(2)} \oplus 23V^{(1,1,1),(1,1)} \oplus 62V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 62V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus 62V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus V^{(3,2),\varnothing} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 256V^{\varnothing,(1)} \oplus 128V^{\varnothing,(2)} \oplus 128V^{\varnothing,(1,1)} \oplus 64V^{\varnothing,(2,1)} \oplus 64V^{\varnothing,(1,1,1)} \oplus 32V^{\varnothing,(2,1,1)} \oplus 32V^{\varnothing,(1,1,1,1)} \oplus 16V^{\varnothing,(2,1,1,1)} \oplus 16V^{\varnothing,(1,1,1,1,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,1,1)} \oplus 92V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus 20V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 210V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 68V^{(2),(2,1)} \oplus 96V^{(2),(1,1,1)} \oplus 9V^{(2),(2,1,1)} \oplus 11V^{(2),(1,1,1,1)} \oplus 20V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 210V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 68V^{(1,1),(2,1)} \oplus 96V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(2,1,1)} \oplus 11V^{(1,1),(1,1,1,1)} \oplus 15V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 56V^{(3),(2)} \oplus 72V^{(3),(1,1)} \oplus 12V^{(3),(2,1)} \oplus 17V^{(3),(1,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 258V^{(2,1),(1)} \oplus 76V^{(2,1),(2)} \oplus 112V^{(2,1),(1,1)} \oplus 16V^{(2,1),(2,1)} \oplus 25V^{(2,1),(1,1,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 56V^{(1,1,1),(2)} \oplus 72V^{(1,1,1),(1,1)} \oplus 12V^{(1,1,1),(2,1)} \oplus 17V^{(1,1,1),(1,1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 92V^{(3,1),(1)} \oplus 5V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 10V^{(2,2),\varnothing} \oplus 92V^{(2,2),(1)} \oplus 5V^{(2,2),(2)} \oplus 9V^{(2,2),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 5V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 5V^{(3,2),\varnothing} \oplus 3V^{(3,2),(1)} \oplus 5V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 5V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5:$ $120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus V^{(1),(2,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(2,1,1)} \oplus 36V^{(2),(1,1,1,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 3V^{(2),(1,1,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,1,1)} \oplus 36V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 3V^{(1,1),(1,1,1,1,1)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 24V^{(3),(2,1)} \oplus 32V^{(3),(1,1,1)} \oplus 6V^{(3),(2,1,1)} \oplus 7V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 72V^{(2,1),(2)} \oplus 90V^{(2,1),(1,1)} \oplus 34V^{(2,1),(2,1)} \oplus 52V^{(2,1),(1,1,1)} \oplus 10V^{(2,1),(2,1,1)} \oplus 13V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 24V^{(1,1,1),(2,1)} \oplus 32V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(2,1,1)} \oplus 7V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 36V^{(3,1),(1,1)} \oplus 5V^{(3,1),(2,1)} \oplus 9V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 36V^{(2,2),(1,1)} \oplus 5V^{(2,2),(2,1)} \oplus 9V^{(2,2),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 36V^{(2,1,1),(1,1)} \oplus 5V^{(2,1,1),(2,1)} \oplus 9V^{(2,1,1),(1,1,1)} \oplus 26V^{(3,2),(1)} \oplus 2V^{(3,2),(2)} \oplus 3V^{(3,2),(1,1)} \oplus 26V^{(3,1,1),(1)} \oplus 2V^{(3,1,1),(2)} \oplus 3V^{(3,1,1),(1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 2V^{(2,2,1),(2)} \oplus 3V^{(2,2,1),(1,1)} \oplus V^{(3,2,1),(1)}$

Table 66: Table for $\lambda = (3,2,1)$, $\mu = (1,1,1,1,1,1)$:

$k = 12: \quad 3V^{\varnothing,\varnothing}$
$k = 11: \quad 808V^{\varnothing,\varnothing} \oplus 117V^{\varnothing,(1)} \oplus 13V^{(1),\varnothing}$
$k = 10:$ $1446V^{\varnothing,\varnothing} \oplus 848V^{\varnothing,(1)} \oplus 31V^{\varnothing,(1,1)} \oplus 696V^{(1),\varnothing} \oplus 219V^{(1),(1)} \oplus 10V^{(2),\varnothing} \oplus 10V^{(1,1),\varnothing}$
$k = 9: \quad 1206V^{\varnothing,\varnothing} \oplus 1394V^{\varnothing,(1)} \oplus 328V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(1,1,1)} \oplus 1105V^{(1),\varnothing} \oplus$ $1116V^{(1),(1)} \oplus 99V^{(1),(1,1)} \oplus 290V^{(2),\varnothing} \oplus 51V^{(2),(1)} \oplus 290V^{(1,1),\varnothing} \oplus 51V^{(1,1),(1)} \oplus$ $5V^{(3),\varnothing} \oplus 8V^{(2,1),\varnothing} \oplus 5V^{(1,1,1),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 1264V^{\varnothing,(1)} \oplus 474V^{\varnothing,(1,1)} \oplus 136V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus$ $728V^{(1),\varnothing} \oplus 1718V^{(1),(1)} \oplus 424V^{(1),(1,1)} \oplus 27V^{(1),(1,1,1)} \oplus 363V^{(2),\varnothing} \oplus 424V^{(2),(1)} \oplus$ $51V^{(2),(1,1)} \oplus 363V^{(1,1),\varnothing} \oplus 424V^{(1,1),(1)} \oplus 51V^{(1,1),(1,1)} \oplus 76V^{(3),\varnothing} \oplus 12V^{(3),(1)} \oplus$ $190V^{(2,1),\varnothing} \oplus 16V^{(2,1),(1)} \oplus 76V^{(1,1,1),\varnothing} \oplus 12V^{(1,1,1),(1)} \oplus 4V^{(3,1),\varnothing} \oplus 4V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 760V^{\varnothing,(1)} \oplus 336V^{\varnothing,(1,1)} \oplus 146V^{\varnothing,(1,1,1)} \oplus 58V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus$ $245V^{(1),\varnothing} \oplus 1316V^{(1),(1)} \oplus 594V^{(1),(1,1)} \oplus 168V^{(1),(1,1,1)} \oplus 9V^{(1),(1,1,1,1)} \oplus 164V^{(2),\varnothing} \oplus$ $594V^{(2),(1)} \oplus 174V^{(2),(1,1)} \oplus 27V^{(2),(1,1,1)} \oplus 164V^{(1,1),\varnothing} \oplus 594V^{(1,1),(1)} \oplus 174V^{(1,1),(1,1)} \oplus$ $27V^{(1,1),(1,1,1)} \oplus 53V^{(3),\varnothing} \oplus 140V^{(3),(1)} \oplus 12V^{(3),(1,1)} \oplus 153V^{(2,1),\varnothing} \oplus 188V^{(2,1),(1)} \oplus$ $16V^{(2,1),(1,1)} \oplus 53V^{(1,1,1),\varnothing} \oplus 140V^{(1,1,1),(1)} \oplus 12V^{(1,1,1),(1,1)} \oplus 54V^{(3,1),\varnothing} \oplus 5V^{(3,1),(1)} \oplus$ $54V^{(2,2),\varnothing} \oplus 5V^{(2,2),(1)} \oplus 54V^{(2,1,1),\varnothing} \oplus 5V^{(2,1,1),(1)} \oplus 2V^{(3,2),\varnothing} \oplus 2V^{(3,1,1),\varnothing} \oplus 2V^{(2,2,1),\varnothing}$
$k = 6: \quad 256V^{\varnothing,(1)} \oplus 128V^{\varnothing,(1,1)} \oplus 64V^{\varnothing,(1,1,1)} \oplus 32V^{\varnothing,(1,1,1,1)} \oplus 16V^{\varnothing,(1,1,1,1,1)} \oplus V^{(1),\varnothing} \oplus$ $648V^{(1),(1)} \oplus 368V^{(1),(1,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus V^{(2),\varnothing} \oplus$ $368V^{(2),(1)} \oplus 210V^{(2),(1,1)} \oplus 68V^{(2),(1,1,1)} \oplus 9V^{(2),(1,1,1,1)} \oplus V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus$ $210V^{(1,1),(1,1)} \oplus 68V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(1,1,1,1)} \oplus V^{(3),\varnothing} \oplus 168V^{(3),(1)} \oplus 56V^{(3),(1,1)} \oplus$ $12V^{(3),(1,1,1)} \oplus V^{(2,1),\varnothing} \oplus 204V^{(2,1),(1)} \oplus 76V^{(2,1),(1,1)} \oplus 16V^{(2,1),(1,1,1)} \oplus V^{(1,1,1),\varnothing} \oplus$ $168V^{(1,1,1),(1)} \oplus 56V^{(1,1,1),(1,1)} \oplus 12V^{(1,1,1),(1,1,1)} \oplus V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 5V^{(3,1),(1,1)} \oplus$ $V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 5V^{(2,2),(1,1)} \oplus V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 5V^{(2,1,1),(1,1)} \oplus$ $V^{(3,2),\varnothing} \oplus 2V^{(3,2),(1)} \oplus V^{(3,1,1),\varnothing} \oplus 2V^{(3,1,1),(1)} \oplus V^{(2,2,1),\varnothing} \oplus 2V^{(2,2,1),(1)} \oplus V^{(3,2,1),\varnothing}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus$ $V^{(1),(1,1,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 3V^{(2),(1,1,1,1,1)} \oplus$ $120V^{(1,1),(1)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(1,1,1,1,1)} \oplus$ $80V^{(3),(1)} \oplus 60V^{(3),(1,1)} \oplus 24V^{(3),(1,1,1)} \oplus 6V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 72V^{(2,1),(1,1)} \oplus$ $34V^{(2,1),(1,1,1)} \oplus 10V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(1,1)} \oplus 24V^{(1,1,1),(1,1,1)} \oplus$ $6V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(1,1)} \oplus 5V^{(3,1),(1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(1,1)} \oplus$ $5V^{(2,2),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(1,1)} \oplus 5V^{(2,1,1),(1,1,1)} \oplus 26V^{(3,2),(1)} \oplus$ $2V^{(3,2),(1,1)} \oplus 26V^{(3,1,1),(1)} \oplus 2V^{(3,1,1),(1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 2V^{(2,2,1),(1,1)} \oplus V^{(3,2,1),(1)}$
$k = 4: \quad 24V^{(2),(1,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus$ $V^{(2),(1,1,1,1,1,1)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(1,1,1,1,1)} \oplus$ $V^{(1,1),(1,1,1,1,1,1)} \oplus 24V^{(3),(1,1)} \oplus 20V^{(3),(1,1,1)} \oplus 10V^{(3),(1,1,1,1)} \oplus 2V^{(3),(1,1,1,1,1)} \oplus$ $24V^{(2,1),(1,1)} \oplus 24V^{(2,1),(1,1,1)} \oplus 14V^{(2,1),(1,1,1,1)} \oplus 4V^{(2,1),(1,1,1,1,1)} \oplus 24V^{(1,1,1),(1,1)} \oplus$ $20V^{(1,1,1),(1,1,1)} \oplus 10V^{(1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1),(1,1,1,1,1)} \oplus 18V^{(3,1),(1,1)} \oplus 12V^{(3,1),(1,1,1)} \oplus$ $5V^{(3,1),(1,1,1,1)} \oplus 18V^{(2,2),(1,1)} \oplus 12V^{(2,2),(1,1,1)} \oplus 5V^{(2,2),(1,1,1,1)} \oplus 18V^{(2,1,1),(1,1)} \oplus$ $12V^{(2,1,1),(1,1,1)} \oplus 5V^{(2,1,1),(1,1,1,1)} \oplus 10V^{(3,2),(1,1)} \oplus 2V^{(3,2),(1,1,1)} \oplus 10V^{(3,1,1),(1,1)} \oplus$ $2V^{(3,1,1),(1,1,1)} \oplus 10V^{(2,2,1),(1,1)} \oplus 2V^{(2,2,1),(1,1,1)} \oplus V^{(3,2,1),(1,1)}$
$k = 3: \quad 6V^{(3),(1,1,1)} \oplus 6V^{(3),(1,1,1,1)} \oplus 4V^{(3),(1,1,1,1,1)} \oplus V^{(3),(1,1,1,1,1,1)} \oplus 6V^{(2,1),(1,1,1)} \oplus$ $6V^{(2,1),(1,1,1,1)} \oplus 4V^{(2,1),(1,1,1,1,1)} \oplus V^{(2,1),(1,1,1,1,1,1)} \oplus 6V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(1,1,1,1)} \oplus$ $4V^{(1,1,1),(1,1,1,1,1)} \oplus V^{(1,1,1),(1,1,1,1,1,1)} \oplus 6V^{(3,1),(1,1,1)} \oplus 6V^{(3,1),(1,1,1,1)} \oplus 3V^{(3,1),(1,1,1,1,1)} \oplus$ $6V^{(2,2),(1,1,1)} \oplus 6V^{(2,2),(1,1,1,1)} \oplus 3V^{(2,2),(1,1,1,1,1)} \oplus 6V^{(2,1,1),(1,1,1)} \oplus 6V^{(2,1,1),(1,1,1,1)} \oplus$ $3V^{(2,1,1),(1,1,1,1,1)} \oplus 4V^{(3,2),(1,1,1)} \oplus 2V^{(3,2),(1,1,1,1)} \oplus 4V^{(3,1,1),(1,1,1)} \oplus 2V^{(3,1,1),(1,1,1,1)} \oplus$

Table 67: Table for $\lambda = (3,1,1,1)$, $\mu = (6,)$:

$k = 12: \quad 3V^{\varnothing,\varnothing}$
$k = 11: \quad 802V^{\varnothing,\varnothing} \oplus 80V^{\varnothing,(1)} \oplus 11V^{(1),\varnothing}$
$k = 10: \quad 1440V^{\varnothing,\varnothing} \oplus 686V^{\varnothing,(1)} \oplus 28V^{\varnothing,(2)} \oplus 694V^{(1),\varnothing} \oplus 195V^{(1),(1)} \oplus 7V^{(2),\varnothing} \oplus 8V^{(1,1),\varnothing}$
$k = 9:$ $1200V^{\varnothing,\varnothing} \oplus 1094V^{\varnothing,(1)} \oplus 268V^{\varnothing,(2)} \oplus 9V^{\varnothing,(3)} \oplus 1105V^{(1),\varnothing} \oplus 1092V^{(1),(1)} \oplus 75V^{(1),(2)} \oplus$ $266V^{(2),\varnothing} \oplus 43V^{(2),(1)} \oplus 286V^{(1,1),\varnothing} \oplus 45V^{(1,1),(1)} \oplus 3V^{(3),\varnothing} \oplus 5V^{(2,1),\varnothing} \oplus 5V^{(1,1,1),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 928V^{\varnothing,(1)} \oplus 366V^{\varnothing,(2)} \oplus 112V^{\varnothing,(3)} \oplus 3V^{\varnothing,(4)} \oplus 728V^{(1),\varnothing} \oplus$ $1718V^{(1),(1)} \oplus 424V^{(1),(2)} \oplus 27V^{(1),(3)} \oplus 345V^{(2),\varnothing} \oplus 396V^{(2),(1)} \oplus 43V^{(2),(2)} \oplus$ $363V^{(1,1),\varnothing} \oplus 412V^{(1,1),(1)} \oplus 45V^{(1,1),(2)} \oplus 66V^{(3),\varnothing} \oplus 10V^{(3),(1)} \oplus 128V^{(2,1),\varnothing} \oplus$ $13V^{(2,1),(1)} \oplus 128V^{(1,1,1),\varnothing} \oplus 13V^{(1,1,1),(1)} \oplus 2V^{(3,1),\varnothing} \oplus 3V^{(2,1,1),\varnothing} \oplus 2V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 470V^{\varnothing,(1)} \oplus 240V^{\varnothing,(2)} \oplus 110V^{\varnothing,(3)} \oplus 46V^{\varnothing,(4)} \oplus V^{\varnothing,(5)} \oplus$ $245V^{(1),\varnothing} \oplus 1316V^{(1),(1)} \oplus 594V^{(1),(2)} \oplus 168V^{(1),(3)} \oplus 9V^{(1),(4)} \oplus 164V^{(2),\varnothing} \oplus$ $582V^{(2),(1)} \oplus 160V^{(2),(2)} \oplus 19V^{(2),(3)} \oplus 164V^{(1,1),\varnothing} \oplus 594V^{(1,1),(1)} \oplus 168V^{(1,1),(2)} \oplus$ $21V^{(1,1),(3)} \oplus 53V^{(3),\varnothing} \oplus 132V^{(3),(1)} \oplus 10V^{(3),(2)} \oplus 103V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus$ $13V^{(2,1),(2)} \oplus 103V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 13V^{(1,1,1),(2)} \oplus 28V^{(3,1),\varnothing} \oplus 4V^{(3,1),(1)} \oplus$ $54V^{(2,1,1),\varnothing} \oplus 5V^{(2,1,1),(1)} \oplus 28V^{(1,1,1,1),\varnothing} \oplus 4V^{(1,1,1,1),(1)} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 40V^{\varnothing,(3)} \oplus 20V^{\varnothing,(4)} \oplus 10V^{\varnothing,(5)} \oplus V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus$ $368V^{(1),(2)} \oplus 186V^{(1),(3)} \oplus 72V^{(1),(4)} \oplus 3V^{(1),(5)} \oplus V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 206V^{(2),(2)} \oplus$ $64V^{(2),(3)} \oplus 7V^{(2),(4)} \oplus V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 210V^{(1,1),(2)} \oplus 68V^{(1,1),(3)} \oplus 9V^{(1,1),(4)} \oplus$ $V^{(3),\varnothing} \oplus 168V^{(3),(1)} \oplus 52V^{(3),(2)} \oplus 10V^{(3),(3)} \oplus V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus$ $13V^{(2,1),(3)} \oplus V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus 13V^{(1,1,1),(3)} \oplus V^{(3,1),\varnothing} \oplus$ $62V^{(3,1),(1)} \oplus 4V^{(3,1),(2)} \oplus V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 5V^{(2,1,1),(2)} \oplus V^{(1,1,1,1),\varnothing} \oplus$ $62V^{(1,1,1,1),(1)} \oplus 4V^{(1,1,1,1),(2)} \oplus V^{(3,1,1),\varnothing} \oplus 2V^{(3,1,1),(1)} \oplus V^{(2,1,1,1),\varnothing} \oplus 2V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 80V^{(1),(3)} \oplus 50V^{(1),(4)} \oplus 26V^{(1),(5)} \oplus V^{(1),(6)} \oplus$ $120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 66V^{(2),(3)} \oplus 28V^{(2),(4)} \oplus 3V^{(2),(5)} \oplus 120V^{(1,1),(1)} \oplus$ $108V^{(1,1),(2)} \oplus 66V^{(1,1),(3)} \oplus 28V^{(1,1),(4)} \oplus 3V^{(1,1),(5)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(2)} \oplus$ $22V^{(3),(3)} \oplus 4V^{(3),(4)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 28V^{(2,1),(3)} \oplus 7V^{(2,1),(4)} \oplus$ $80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 28V^{(1,1,1),(3)} \oplus 7V^{(1,1,1),(4)} \oplus 50V^{(3,1),(1)} \oplus 24V^{(3,1),(2)} \oplus$ $4V^{(3,1),(3)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 5V^{(2,1,1),(3)} \oplus 50V^{(1,1,1,1),(1)} \oplus 24V^{(1,1,1,1),(2)} \oplus$ $4V^{(1,1,1,1),(3)} \oplus 26V^{(3,1,1),(1)} \oplus 2V^{(3,1,1),(2)} \oplus 26V^{(2,1,1,1),(1)} \oplus 2V^{(2,1,1,1),(2)} \oplus V^{(3,1,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(3)} \oplus 18V^{(2),(4)} \oplus 10V^{(2),(5)} \oplus V^{(2),(6)} \oplus 24V^{(1,1),(2)} \oplus$ $24V^{(1,1),(3)} \oplus 18V^{(1,1),(4)} \oplus 10V^{(1,1),(5)} \oplus V^{(1,1),(6)} \oplus 24V^{(3),(2)} \oplus 20V^{(3),(3)} \oplus 10V^{(3),(4)} \oplus$ $2V^{(3),(5)} \oplus 24V^{(2,1),(2)} \oplus 22V^{(2,1),(3)} \oplus 12V^{(2,1),(4)} \oplus 3V^{(2,1),(5)} \oplus 24V^{(1,1,1),(2)} \oplus$ $22V^{(1,1,1),(3)} \oplus 12V^{(1,1,1),(4)} \oplus 3V^{(1,1,1),(5)} \oplus 18V^{(3,1),(2)} \oplus 10V^{(3,1),(3)} \oplus 4V^{(3,1),(4)} \oplus$ $18V^{(2,1,1),(2)} \oplus 12V^{(2,1,1),(3)} \oplus 5V^{(2,1,1),(4)} \oplus 18V^{(1,1,1,1),(2)} \oplus 10V^{(1,1,1,1),(3)} \oplus$ $4V^{(1,1,1,1),(4)} \oplus 10V^{(3,1,1),(2)} \oplus 2V^{(3,1,1),(3)} \oplus 10V^{(2,1,1,1),(2)} \oplus 2V^{(2,1,1,1),(3)} \oplus V^{(3,1,1,1),(2)}$
$k = 3: \quad 6V^{(3),(3)} \oplus 6V^{(3),(4)} \oplus 4V^{(3),(5)} \oplus V^{(3),(6)} \oplus 6V^{(2,1),(3)} \oplus 6V^{(2,1),(4)} \oplus 4V^{(2,1),(5)} \oplus$ $V^{(2,1),(6)} \oplus 6V^{(1,1,1),(3)} \oplus 6V^{(1,1,1),(4)} \oplus 4V^{(1,1,1),(5)} \oplus V^{(1,1,1),(6)} \oplus 6V^{(3,1),(3)} \oplus 5V^{(3,1),(4)} \oplus$ $2V^{(3,1),(5)} \oplus 6V^{(2,1,1),(3)} \oplus 6V^{(2,1,1),(4)} \oplus 3V^{(2,1,1),(5)} \oplus 6V^{(1,1,1,1),(3)} \oplus 5V^{(1,1,1,1),(4)} \oplus$ $2V^{(1,1,1,1),(5)} \oplus 4V^{(3,1,1),(3)} \oplus 2V^{(3,1,1),(4)} \oplus 4V^{(2,1,1,1),(3)} \oplus 2V^{(2,1,1,1),(4)} \oplus V^{(3,1,1,1),(3)}$
$k = 2: \quad 2V^{(3,1),(4)} \oplus 2V^{(3,1),(5)} \oplus V^{(3,1),(6)} \oplus 2V^{(2,1,1),(4)} \oplus 2V^{(2,1,1),(5)} \oplus V^{(2,1,1),(6)} \oplus$ $2V^{(1,1,1,1),(4)} \oplus 2V^{(1,1,1,1),(5)} \oplus V^{(1,1,1,1),(6)} \oplus 2V^{(3,1,1),(4)} \oplus 2V^{(3,1,1),(5)} \oplus 2V^{(2,1,1,1),(4)} \oplus$ $2V^{(2,1,1,1),(5)} \oplus V^{(3,1,1,1),(4)}$
$k = 1: \quad V^{(3,1,1),(5)} \oplus V^{(3,1,1),(6)} \oplus V^{(2,1,1,1),(5)} \oplus V^{(2,1,1,1),(6)} \oplus V^{(3,1,1,1),(5)}$

Table 68: Table for $\lambda = (3,1,1,1)$, $\mu = (5,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1042V^{\varnothing,\varnothing} \oplus 108V^{\varnothing,(1)} \oplus 60V^{(1),\varnothing}$
$k = 10: \quad 1782V^{\varnothing,\varnothing} \oplus 1112V^{\varnothing,(1)} \oplus 37V^{\varnothing,(2)} \oplus 28V^{\varnothing,(1,1)} \oplus 1050V^{(1),\varnothing} \oplus 269V^{(1),(1)} \oplus 26V^{(2),\varnothing} \oplus 28V^{(1,1),\varnothing}$
$k = 9: \quad 1410V^{\varnothing,\varnothing} \oplus 1688V^{\varnothing,(1)} \oplus 436V^{\varnothing,(2)} \oplus 268V^{\varnothing,(1,1)} \oplus 12V^{\varnothing,(3)} \oplus 9V^{\varnothing,(2,1)} \oplus 1564V^{(1),\varnothing} \oplus 1508V^{(1),(1)} \oplus 101V^{(1),(2)} \oplus 75V^{(1),(1,1)} \oplus 378V^{(2),\varnothing} \oplus 85V^{(2),(1)} \oplus 418V^{(1,1),\varnothing} \oplus 89V^{(1,1),(1)} \oplus 8V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 698V^{\varnothing,\varnothing} \oplus 1296V^{\varnothing,(1)} \oplus 552V^{\varnothing,(2)} \oplus 366V^{\varnothing,(1,1)} \oplus 184V^{\varnothing,(3)} \oplus 112V^{\varnothing,(2,1)} \oplus 4V^{\varnothing,(4)} \oplus 3V^{\varnothing,(3,1)} \oplus 984V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 588V^{(1),(2)} \oplus 424V^{(1),(1,1)} \oplus 35V^{(1),(3)} \oplus 27V^{(1),(2,1)} \oplus 462V^{(2),\varnothing} \oplus 532V^{(2),(1)} \oplus 61V^{(2),(2)} \oplus 43V^{(2),(1,1)} \oplus 498V^{(1,1),\varnothing} \oplus 564V^{(1,1),(1)} \oplus 65V^{(1,1),(2)} \oplus 45V^{(1,1),(1,1)} \oplus 92V^{(3),\varnothing} \oplus 19V^{(3),(1)} \oplus 164V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 164V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 320V^{\varnothing,(2)} \oplus 240V^{\varnothing,(1,1)} \oplus 160V^{\varnothing,(3)} \oplus 110V^{\varnothing,(2,1)} \oplus 72V^{\varnothing,(4)} \oplus 46V^{\varnothing,(3,1)} \oplus V^{\varnothing,(5)} \oplus V^{\varnothing,(4,1)} \oplus 340V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 594V^{(1),(1,1)} \oplus 232V^{(1),(3)} \oplus 168V^{(1),(2,1)} \oplus 11V^{(1),(4)} \oplus 9V^{(1),(3,1)} \oplus 220V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 220V^{(2),(2)} \oplus 160V^{(2),(1,1)} \oplus 25V^{(2),(3)} \oplus 19V^{(2),(2,1)} \oplus 220V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 236V^{(1,1),(2)} \oplus 168V^{(1,1),(1,1)} \oplus 29V^{(1,1),(3)} \oplus 21V^{(1,1),(2,1)} \oplus 80V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 19V^{(3),(2)} \oplus 10V^{(3),(1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 25V^{(2,1),(2)} \oplus 13V^{(2,1),(1,1)} \oplus 130V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 25V^{(1,1,1),(2)} \oplus 13V^{(1,1,1),(1,1)} \oplus 36V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus 62V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus 36V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(3)} \oplus 40V^{\varnothing,(2,1)} \oplus 20V^{\varnothing,(4)} \oplus 20V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(5)} \oplus 10V^{\varnothing,(4,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 186V^{(1),(2,1)} \oplus 92V^{(1),(4)} \oplus 72V^{(1),(3,1)} \oplus 3V^{(1),(5)} \oplus 3V^{(1),(4,1)} \oplus 20V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 250V^{(2),(2)} \oplus 206V^{(2),(1,1)} \oplus 88V^{(2),(3)} \oplus 64V^{(2),(2,1)} \oplus 9V^{(2),(4)} \oplus 7V^{(2),(3,1)} \oplus 20V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 210V^{(1,1),(1,1)} \oplus 96V^{(1,1),(3)} \oplus 68V^{(1,1),(2,1)} \oplus 11V^{(1,1),(4)} \oplus 9V^{(1,1),(3,1)} \oplus 15V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 52V^{(3),(1,1)} \oplus 13V^{(3),(3)} \oplus 10V^{(3),(2,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 88V^{(2,1),(2)} \oplus 64V^{(2,1),(1,1)} \oplus 19V^{(2,1),(3)} \oplus 13V^{(2,1),(2,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 88V^{(1,1,1),(2)} \oplus 64V^{(1,1,1),(1,1)} \oplus 19V^{(1,1,1),(3)} \oplus 13V^{(1,1,1),(2,1)} \oplus 10V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 7V^{(3,1),(2)} \oplus 4V^{(3,1),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 5V^{(2,1,1),(1,1)} \oplus 10V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 7V^{(1,1,1,1),(2)} \oplus 4V^{(1,1,1,1),(1,1)} \oplus 5V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 5V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 26V^{(1),(5)} \oplus 26V^{(1),(4,1)} \oplus V^{(1),(5,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 36V^{(2),(4)} \oplus 28V^{(2),(3,1)} \oplus 3V^{(2),(5)} \oplus 3V^{(2),(4,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 36V^{(1,1),(4)} \oplus 28V^{(1,1),(3,1)} \oplus 3V^{(1,1),(5)} \oplus 3V^{(1,1),(4,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 60V^{(3),(1,1)} \oplus 28V^{(3),(3)} \oplus 22V^{(3),(2,1)} \oplus 5V^{(3),(4)} \oplus 4V^{(3),(3,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 40V^{(2,1),(3)} \oplus 28V^{(2,1),(2,1)} \oplus 9V^{(2,1),(4)} \oplus 7V^{(2,1),(3,1)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 40V^{(1,1,1),(3)} \oplus 28V^{(1,1,1),(2,1)} \oplus 9V^{(1,1,1),(4)} \oplus 7V^{(1,1,1),(3,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 24V^{(3,1),(1,1)} \oplus 7V^{(3,1),(3)} \oplus 4V^{(3,1),(2,1)} \oplus 50V^{(2,1,1),(1)} \oplus 36V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 9V^{(2,1,1),(3)} \oplus 5V^{(2,1,1),(2,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 24V^{(1,1,1,1),(1,1)} \oplus 7V^{(1,1,1,1),(3)} \oplus 4V^{(1,1,1,1),(2,1)} \oplus 26V^{(3,1,1),(1)} \oplus 3V^{(3,1,1),(2)} \oplus 2V^{(3,1,1),(1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 3V^{(2,1,1,1),(2)} \oplus 2V^{(2,1,1,1),(1,1)} \oplus V^{(3,1,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 10V^{(2),(5)} \oplus 10V^{(2),(4,1)} \oplus V^{(2),(5,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 10V^{(1,1),(5)} \oplus 10V^{(1,1),(4,1)} \oplus V^{(1,1),(5,1)} \oplus$

Table 69: Table for $\lambda = (3,1,1,1)$, $\mu = (4,2)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1082V^{\varnothing,\varnothing} \oplus 114V^{\varnothing,(1)} \oplus 92V^{(1),\varnothing}$
$k = 10: \quad 1862V^{\varnothing,\varnothing} \oplus 1160V^{\varnothing,(1)} \oplus 39V^{\varnothing,(2)} \oplus 36V^{\varnothing,(1,1)} \oplus 1170V^{(1),\varnothing} \oplus 287V^{(1),(1)} \oplus 30V^{(2),\varnothing} \oplus 32V^{(1,1),\varnothing}$
$k = 9: \quad 1490V^{\varnothing,\varnothing} \oplus 1724V^{\varnothing,(1)} \oplus 476V^{\varnothing,(2)} \oplus 332V^{\varnothing,(1,1)} \oplus 12V^{\varnothing,(3)} \oplus 12V^{\varnothing,(2,1)} \oplus 1764V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 107V^{(1),(2)} \oplus 99V^{(1),(1,1)} \oplus 418V^{(2),\varnothing} \oplus 97V^{(2),(1)} \oplus 458V^{(1,1),\varnothing} \oplus 101V^{(1,1),(1)} \oplus 8V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 738V^{\varnothing,\varnothing} \oplus 1296V^{\varnothing,(1)} \oplus 588V^{\varnothing,(2)} \oplus 402V^{\varnothing,(1,1)} \oplus 184V^{\varnothing,(3)} \oplus 184V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 1144V^{(1),\varnothing} \oplus 2222V^{(1),(1)} \oplus 636V^{(1),(2)} \oplus 508V^{(1),(1,1)} \oplus 35V^{(1),(3)} \oplus 35V^{(1),(2,1)} \oplus 534V^{(2),\varnothing} \oplus 556V^{(2),(1)} \oplus 65V^{(2),(2)} \oplus 59V^{(2),(1,1)} \oplus 570V^{(1,1),\varnothing} \oplus 588V^{(1,1),(1)} \oplus 71V^{(1,1),(2)} \oplus 63V^{(1,1),(1,1)} \oplus 108V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 180V^{(2,1),\varnothing} \oplus 31V^{(2,1),(1)} \oplus 180V^{(1,1,1),\varnothing} \oplus 31V^{(1,1,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 320V^{\varnothing,(2)} \oplus 240V^{\varnothing,(1,1)} \oplus 160V^{\varnothing,(3)} \oplus 160V^{\varnothing,(2,1)} \oplus 46V^{\varnothing,(4)} \oplus 72V^{\varnothing,(3,1)} \oplus 46V^{\varnothing,(2,2)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,2)} \oplus 510V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 774V^{(1),(2)} \oplus 630V^{(1),(1,1)} \oplus 232V^{(1),(3)} \oplus 232V^{(1),(2,1)} \oplus 9V^{(1),(4)} \oplus 11V^{(1),(3,1)} \oplus 9V^{(1),(2,2)} \oplus 268V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 236V^{(2),(2)} \oplus 188V^{(2),(1,1)} \oplus 25V^{(2),(3)} \oplus 25V^{(2),(2,1)} \oplus 268V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 260V^{(1,1),(2)} \oplus 204V^{(1,1),(1,1)} \oplus 29V^{(1,1),(3)} \oplus 29V^{(1,1),(2,1)} \oplus 104V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 21V^{(3),(2)} \oplus 18V^{(3),(1,1)} \oplus 154V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 29V^{(2,1),(2)} \oplus 23V^{(2,1),(1,1)} \oplus 154V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 29V^{(1,1,1),(2)} \oplus 23V^{(1,1,1),(1,1)} \oplus 44V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus 70V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus 44V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(3)} \oplus 40V^{\varnothing,(2,1)} \oplus 20V^{\varnothing,(4)} \oplus 20V^{\varnothing,(3,1)} \oplus 20V^{\varnothing,(2,2)} \oplus 10V^{\varnothing,(4,1)} \oplus 10V^{\varnothing,(3,2)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,2)} \oplus 54V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 214V^{(2),(1,1)} \oplus 88V^{(2),(3)} \oplus 88V^{(2),(2,1)} \oplus 7V^{(2),(4)} \oplus 9V^{(2),(3,1)} \oplus 7V^{(2),(2,2)} \oplus 54V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 270V^{(1,1),(2)} \oplus 222V^{(1,1),(1,1)} \oplus 96V^{(1,1),(3)} \oplus 96V^{(1,1),(2,1)} \oplus 9V^{(1,1),(4)} \oplus 11V^{(1,1),(3,1)} \oplus 9V^{(1,1),(2,2)} \oplus 27V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 68V^{(3),(2)} \oplus 56V^{(3),(1,1)} \oplus 13V^{(3),(3)} \oplus 13V^{(3),(2,1)} \oplus 27V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 96V^{(2,1),(2)} \oplus 72V^{(2,1),(1,1)} \oplus 19V^{(2,1),(3)} \oplus 19V^{(2,1),(2,1)} \oplus 27V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 96V^{(1,1,1),(2)} \oplus 72V^{(1,1,1),(1,1)} \oplus 19V^{(1,1,1),(3)} \oplus 19V^{(1,1,1),(2,1)} \oplus 18V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 6V^{(3,1),(1,1)} \oplus 18V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 11V^{(2,1,1),(2)} \oplus 7V^{(2,1,1),(1,1)} \oplus 18V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 9V^{(1,1,1,1),(2)} \oplus 6V^{(1,1,1,1),(1,1)} \oplus 9V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 9V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(4,2)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 28V^{(2),(4)} \oplus 36V^{(2),(3,1)} \oplus 28V^{(2),(2,2)} \oplus 3V^{(2),(4,1)} \oplus 3V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 28V^{(1,1),(4)} \oplus 36V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,2)} \oplus 3V^{(1,1),(4,1)} \oplus 3V^{(1,1),(3,2)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 60V^{(3),(1,1)} \oplus 28V^{(3),(3)} \oplus 28V^{(3),(2,1)} \oplus 4V^{(3),(4)} \oplus 5V^{(3),(3,1)} \oplus 4V^{(3),(2,2)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 40V^{(2,1),(3)} \oplus 40V^{(2,1),(2,1)} \oplus 7V^{(2,1),(4)} \oplus 9V^{(2,1),(3,1)} \oplus 7V^{(2,1),(2,2)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 40V^{(1,1,1),(3)} \oplus 40V^{(1,1,1),(2,1)} \oplus 7V^{(1,1,1),(4)} \oplus 9V^{(1,1,1),(3,1)} \oplus 7V^{(1,1,1),(2,2)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 24V^{(3,1),(1,1)} \oplus 7V^{(3,1),(3)} \oplus 7V^{(3,1),(2,1)} \oplus 50V^{(2,1,1),(1)} \oplus 36V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 9V^{(2,1,1),(3)} \oplus 9V^{(2,1,1),(2,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 24V^{(1,1,1,1),(1,1)} \oplus 7V^{(1,1,1,1),(3)} \oplus 7V^{(1,1,1,1),(2,1)} \oplus 26V^{(3,1,1),(1)} \oplus 3V^{(3,1,1),(2)} \oplus 2V^{(3,1,1),(1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 3V^{(2,1,1,1),(2)} \oplus 2V^{(2,1,1,1),(1,1)} \oplus V^{(3,1,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus$

Table 70: Table for $\lambda = (3,1,1,1)$, $\mu = (4,1,1)$:

$k = 12: \quad 63V^{\varnothing,\varnothing}$
$k = 11: \quad 1180V^{\varnothing,\varnothing} \oplus 116V^{\varnothing,(1)} \oplus 116V^{(1),\varnothing}$
$k = 10: \quad 1918V^{\varnothing,\varnothing} \oplus 1240V^{\varnothing,(1)} \oplus 39V^{\varnothing,(2)} \oplus 37V^{\varnothing,(1,1)} \oplus 1240V^{(1),\varnothing} \oplus 293V^{(1),(1)} \oplus 37V^{(2),\varnothing} \oplus 39V^{(1,1),\varnothing}$
$k = 9: \quad 1616V^{\varnothing,\varnothing} \oplus 1832V^{\varnothing,(1)} \oplus 476V^{\varnothing,(2)} \oplus 436V^{\varnothing,(1,1)} \oplus 12V^{\varnothing,(3)} \oplus 12V^{\varnothing,(2,1)} \oplus 9V^{\varnothing,(1,1,1)} \oplus 1832V^{(1),\varnothing} \oplus 1676V^{(1),(1)} \oplus 107V^{(1),(2)} \oplus 101V^{(1),(1,1)} \oplus 436V^{(2),\varnothing} \oplus 101V^{(2),(1)} \oplus 476V^{(1,1),\varnothing} \oplus 107V^{(1,1),(1)} \oplus 9V^{(3),\varnothing} \oplus 12V^{(2,1),\varnothing} \oplus 12V^{(1,1,1),\varnothing}$
$k = 8: \quad 848V^{\varnothing,\varnothing} \oplus 1344V^{\varnothing,(1)} \oplus 588V^{\varnothing,(2)} \oplus 552V^{\varnothing,(1,1)} \oplus 184V^{\varnothing,(3)} \oplus 184V^{\varnothing,(2,1)} \oplus 112V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 1344V^{(1),\varnothing} \oplus 2330V^{(1),(1)} \oplus 636V^{(1),(2)} \oplus 588V^{(1),(1,1)} \oplus 35V^{(1),(3)} \oplus 35V^{(1),(2,1)} \oplus 27V^{(1),(1,1,1)} \oplus 552V^{(2),\varnothing} \oplus 588V^{(2),(1)} \oplus 65V^{(2),(2)} \oplus 61V^{(2),(1,1)} \oplus 588V^{(1,1),\varnothing} \oplus 636V^{(1,1),(1)} \oplus 71V^{(1,1),(2)} \oplus 65V^{(1,1),(1,1)} \oplus 112V^{(3),\varnothing} \oplus 27V^{(3),(1)} \oplus 184V^{(2,1),\varnothing} \oplus 35V^{(2,1),(1)} \oplus 184V^{(1,1,1),\varnothing} \oplus 35V^{(1,1,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 220V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 320V^{\varnothing,(2)} \oplus 320V^{\varnothing,(1,1)} \oplus 160V^{\varnothing,(3)} \oplus 160V^{\varnothing,(2,1)} \oplus 110V^{\varnothing,(1,1,1)} \oplus 46V^{\varnothing,(4)} \oplus 72V^{\varnothing,(3,1)} \oplus 46V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 774V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 232V^{(1),(3)} \oplus 232V^{(1),(2,1)} \oplus 168V^{(1),(1,1,1)} \oplus 9V^{(1),(4)} \oplus 11V^{(1),(3,1)} \oplus 9V^{(1),(2,1,1)} \oplus 320V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 236V^{(2),(2)} \oplus 220V^{(2),(1,1)} \oplus 25V^{(2),(3)} \oplus 25V^{(2),(2,1)} \oplus 19V^{(2),(1,1,1)} \oplus 320V^{(1,1),\varnothing} \oplus 774V^{(1,1),(1)} \oplus 260V^{(1,1),(2)} \oplus 236V^{(1,1),(1,1)} \oplus 29V^{(1,1),(3)} \oplus 29V^{(1,1),(2,1)} \oplus 21V^{(1,1),(1,1,1)} \oplus 110V^{(3),\varnothing} \oplus 168V^{(3),(1)} \oplus 21V^{(3),(2)} \oplus 19V^{(3),(1,1)} \oplus 160V^{(2,1),\varnothing} \oplus 232V^{(2,1),(1)} \oplus 29V^{(2,1),(2)} \oplus 25V^{(2,1),(1,1)} \oplus 160V^{(1,1,1),\varnothing} \oplus 232V^{(1,1,1),(1)} \oplus 29V^{(1,1,1),(2)} \oplus 25V^{(1,1,1),(1,1)} \oplus 46V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 72V^{(2,1,1),\varnothing} \oplus 11V^{(2,1,1),(1)} \oplus 46V^{(1,1,1,1),\varnothing} \oplus 9V^{(1,1,1,1),(1)} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(3)} \oplus 40V^{\varnothing,(2,1)} \oplus 40V^{\varnothing,(1,1,1)} \oplus 20V^{\varnothing,(4)} \oplus 20V^{\varnothing,(3,1)} \oplus 20V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(4,1)} \oplus 10V^{\varnothing,(3,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,1,1)} \oplus 70V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 250V^{(2),(1,1)} \oplus 88V^{(2),(3)} \oplus 88V^{(2),(2,1)} \oplus 64V^{(2),(1,1,1)} \oplus 7V^{(2),(4)} \oplus 9V^{(2),(3,1)} \oplus 7V^{(2),(2,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 270V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 96V^{(1,1),(3)} \oplus 96V^{(1,1),(2,1)} \oplus 68V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(4)} \oplus 11V^{(1,1),(3,1)} \oplus 9V^{(1,1),(2,1,1)} \oplus 40V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 68V^{(3),(2)} \oplus 64V^{(3),(1,1)} \oplus 13V^{(3),(3)} \oplus 13V^{(3),(2,1)} \oplus 10V^{(3),(1,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 96V^{(2,1),(2)} \oplus 88V^{(2,1),(1,1)} \oplus 19V^{(2,1),(3)} \oplus 19V^{(2,1),(2,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus 40V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 96V^{(1,1,1),(2)} \oplus 88V^{(1,1,1),(1,1)} \oplus 19V^{(1,1,1),(3)} \oplus 19V^{(1,1,1),(2,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus 20V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 7V^{(3,1),(1,1)} \oplus 20V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 11V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 20V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 9V^{(1,1,1,1),(2)} \oplus 7V^{(1,1,1,1),(1,1)} \oplus 10V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 10V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,1,1)} \oplus V^{(1),(4,1,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(4)} \oplus 36V^{(2),(3,1)} \oplus 28V^{(2),(2,1,1)} \oplus 3V^{(2),(4,1)} \oplus 3V^{(2),(3,1,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(4)} \oplus 36V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(4,1)} \oplus 3V^{(1,1),(3,1,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 28V^{(3),(3)} \oplus 28V^{(3),(2,1)} \oplus 22V^{(3),(1,1,1)} \oplus 4V^{(3),(4)} \oplus 5V^{(3),(3,1)} \oplus 4V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 40V^{(2,1),(3)} \oplus 40V^{(2,1),(2,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(4)} \oplus 9V^{(2,1),(3,1)} \oplus 7V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 40V^{(1,1,1),(3)} \oplus 40V^{(1,1,1),(2,1)} \oplus 28V^{(1,1,1),(1,1,1)} \oplus 7V^{(1,1,1),(4)} \oplus 9V^{(1,1,1),(3,1)} \oplus 7V^{(1,1,1),(2,1,1)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 7V^{(3,1),(3)} \oplus 7V^{(3,1),(2,1)} \oplus 4V^{(3,1),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 36V^{(2,1,1),(2)} \oplus 36V^{(2,1,1),(1,1)} \oplus$

Table 71: Table for $\lambda = (3,1,1,1)$, $\mu = (3,3)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1042V^{\varnothing,\varnothing} \oplus 89V^{\varnothing,(1)} \oplus 74V^{(1),\varnothing}$
$k = 10: \quad 1782V^{\varnothing,\varnothing} \oplus 1074V^{\varnothing,(1)} \oplus 31V^{\varnothing,(2)} \oplus 30V^{\varnothing,(1,1)} \oplus 1062V^{(1),\varnothing} \oplus 221V^{(1),(1)} \oplus 29V^{(2),\varnothing} \oplus 31V^{(1,1),\varnothing}$
$k = 9: \quad 1410V^{\varnothing,\varnothing} \oplus 1688V^{\varnothing,(1)} \oplus 412V^{\varnothing,(2)} \oplus 308V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(3)} \oplus 10V^{\varnothing,(2,1)} \oplus 1564V^{(1),\varnothing} \oplus 1460V^{(1),(1)} \oplus 83V^{(1),(2)} \oplus 81V^{(1),(1,1)} \oplus 378V^{(2),\varnothing} \oplus 61V^{(2),(1)} \oplus 418V^{(1,1),\varnothing} \oplus 65V^{(1,1),(1)} \oplus 8V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 698V^{\varnothing,\varnothing} \oplus 1296V^{\varnothing,(1)} \oplus 552V^{\varnothing,(2)} \oplus 402V^{\varnothing,(1,1)} \oplus 112V^{\varnothing,(3)} \oplus 164V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 984V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 552V^{(1),(2)} \oplus 472V^{(1),(1,1)} \oplus 27V^{(1),(3)} \oplus 29V^{(1),(2,1)} \oplus 462V^{(2),\varnothing} \oplus 532V^{(2),(1)} \oplus 49V^{(2),(2)} \oplus 47V^{(2),(1,1)} \oplus 498V^{(1,1),\varnothing} \oplus 564V^{(1,1),(1)} \oplus 53V^{(1,1),(2)} \oplus 51V^{(1,1),(1,1)} \oplus 92V^{(3),\varnothing} \oplus 19V^{(3),(1)} \oplus 164V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 164V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 320V^{\varnothing,(2)} \oplus 240V^{\varnothing,(1,1)} \oplus 110V^{\varnothing,(3)} \oplus 160V^{\varnothing,(2,1)} \oplus 46V^{\varnothing,(3,1)} \oplus 46V^{\varnothing,(2,2)} \oplus V^{\varnothing,(3,2)} \oplus 365V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 630V^{(1),(1,1)} \oplus 168V^{(1),(3)} \oplus 208V^{(1),(2,1)} \oplus 9V^{(1),(3,1)} \oplus 9V^{(1),(2,2)} \oplus 220V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 208V^{(2),(2)} \oplus 176V^{(2),(1,1)} \oplus 19V^{(2),(3)} \oplus 21V^{(2),(2,1)} \oplus 220V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 224V^{(1,1),(2)} \oplus 192V^{(1,1),(1,1)} \oplus 21V^{(1,1),(3)} \oplus 23V^{(1,1),(2,1)} \oplus 80V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 13V^{(3),(2)} \oplus 12V^{(3),(1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 19V^{(2,1),(2)} \oplus 17V^{(2,1),(1,1)} \oplus 130V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 19V^{(1,1,1),(2)} \oplus 17V^{(1,1,1),(1,1)} \oplus 36V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus 62V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus 36V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(3)} \oplus 40V^{\varnothing,(2,1)} \oplus 20V^{\varnothing,(3,1)} \oplus 20V^{\varnothing,(2,2)} \oplus 10V^{\varnothing,(3,2)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(3,2)} \oplus 25V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 250V^{(2),(2)} \oplus 214V^{(2),(1,1)} \oplus 64V^{(2),(3)} \oplus 80V^{(2),(2,1)} \oplus 7V^{(2),(3,1)} \oplus 7V^{(2),(2,2)} \oplus 25V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 222V^{(1,1),(1,1)} \oplus 68V^{(1,1),(3)} \oplus 84V^{(1,1),(2,1)} \oplus 9V^{(1,1),(3,1)} \oplus 9V^{(1,1),(2,2)} \oplus 15V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 56V^{(3),(1,1)} \oplus 10V^{(3),(3)} \oplus 11V^{(3),(2,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 88V^{(2,1),(2)} \oplus 72V^{(2,1),(1,1)} \oplus 13V^{(2,1),(3)} \oplus 15V^{(2,1),(2,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 88V^{(1,1,1),(2)} \oplus 72V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(3)} \oplus 15V^{(1,1,1),(2,1)} \oplus 10V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 7V^{(3,1),(2)} \oplus 6V^{(3,1),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 7V^{(2,1,1),(1,1)} \oplus 10V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 7V^{(1,1,1,1),(2)} \oplus 6V^{(1,1,1,1),(1,1)} \oplus 5V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 5V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(3,3)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 28V^{(2),(3,1)} \oplus 28V^{(2),(2,2)} \oplus 3V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 28V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,2)} \oplus 3V^{(1,1),(3,2)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 60V^{(3),(1,1)} \oplus 22V^{(3),(3)} \oplus 26V^{(3),(2,1)} \oplus 4V^{(3),(3,1)} \oplus 4V^{(3),(2,2)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 28V^{(2,1),(3)} \oplus 36V^{(2,1),(2,1)} \oplus 7V^{(2,1),(3,1)} \oplus 7V^{(2,1),(2,2)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(3)} \oplus 36V^{(1,1,1),(2,1)} \oplus 7V^{(1,1,1),(3,1)} \oplus 7V^{(1,1,1),(2,2)} \oplus 50V^{(3,1),(1)} \oplus 28V^{(3,1),(2)} \oplus 24V^{(3,1),(1,1)} \oplus 4V^{(3,1),(3)} \oplus 5V^{(3,1),(2,1)} \oplus 50V^{(2,1,1),(1)} \oplus 36V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 5V^{(2,1,1),(3)} \oplus 7V^{(2,1,1),(2,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 24V^{(1,1,1,1),(1,1)} \oplus 4V^{(1,1,1,1),(3)} \oplus 5V^{(1,1,1,1),(2,1)} \oplus 26V^{(3,1,1),(1)} \oplus 3V^{(3,1,1),(2)} \oplus 2V^{(3,1,1),(1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 3V^{(2,1,1,1),(2)} \oplus 2V^{(2,1,1,1),(1,1)} \oplus V^{(3,1,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(3,3)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus 10V^{(1,1),(3,2)} \oplus V^{(1,1),(3,3)} \oplus 24V^{(3),(2)} \oplus 24V^{(3),(1,1)} \oplus$

Table 72: Table for $\lambda = (3,1,1,1)$, $\mu = (3,2,1)$:

$k = 12: \quad 63V^{\varnothing,\varnothing}$
$k = 11: \quad 1240V^{\varnothing,\varnothing} \oplus 135V^{\varnothing,(1)} \oplus 156V^{(1),\varnothing}$
$k = 10: \quad 2038V^{\varnothing,\varnothing} \oplus 1278V^{\varnothing,(1)} \oplus 45V^{\varnothing,(2)} \oplus 45V^{\varnothing,(1,1)} \oplus 1408V^{(1),\varnothing} \oplus 341V^{(1),(1)} \oplus 40V^{(2),\varnothing} \oplus 42V^{(1,1),\varnothing}$
$k = 9: \quad 1796V^{\varnothing,\varnothing} \oplus 1832V^{\varnothing,(1)} \oplus 500V^{\varnothing,(2)} \oplus 500V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 2132V^{(1),\varnothing} \oplus 1724V^{(1),(1)} \oplus 125V^{(1),(2)} \oplus 125V^{(1),(1,1)} \oplus 496V^{(2),\varnothing} \oplus 125V^{(2),(1)} \oplus 536V^{(1,1),\varnothing} \oplus 131V^{(1,1),(1)} \oplus 9V^{(3),\varnothing} \oplus 12V^{(2,1),\varnothing} \oplus 12V^{(1,1,1),\varnothing}$
$k = 8: \quad 968V^{\varnothing,\varnothing} \oplus 1344V^{\varnothing,(1)} \oplus 588V^{\varnothing,(2)} \oplus 588V^{\varnothing,(1,1)} \oplus 132V^{\varnothing,(3)} \oplus 256V^{\varnothing,(2,1)} \oplus 132V^{\varnothing,(1,1,1)} \oplus 4V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 1680V^{(1),\varnothing} \oplus 2330V^{(1),(1)} \oplus 672V^{(1),(2)} \oplus 672V^{(1),(1,1)} \oplus 33V^{(1),(3)} \oplus 43V^{(1),(2,1)} \oplus 33V^{(1),(1,1,1)} \oplus 660V^{(2),\varnothing} \oplus 588V^{(2),(1)} \oplus 77V^{(2),(2)} \oplus 77V^{(2),(1,1)} \oplus 696V^{(1,1),\varnothing} \oplus 636V^{(1,1),(1)} \oplus 83V^{(1,1),(2)} \oplus 83V^{(1,1),(1,1)} \oplus 136V^{(3),\varnothing} \oplus 27V^{(3),(1)} \oplus 208V^{(2,1),\varnothing} \oplus 35V^{(2,1),(1)} \oplus 208V^{(1,1,1),\varnothing} \oplus 35V^{(1,1,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 280V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 320V^{\varnothing,(2)} \oplus 320V^{\varnothing,(1,1)} \oplus 110V^{\varnothing,(3)} \oplus 210V^{\varnothing,(2,1)} \oplus 110V^{\varnothing,(1,1,1)} \oplus 72V^{\varnothing,(3,1)} \oplus 72V^{\varnothing,(2,2)} \oplus 72V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(3,2)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 880V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 774V^{(1),(2)} \oplus 774V^{(1),(1,1)} \oplus 192V^{(1),(3)} \oplus 296V^{(1),(2,1)} \oplus 192V^{(1),(1,1,1)} \oplus 11V^{(1),(3,1)} \oplus 11V^{(1),(2,2)} \oplus 11V^{(1),(2,1,1)} \oplus 416V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 248V^{(2),(2)} \oplus 248V^{(2),(1,1)} \oplus 23V^{(2),(3)} \oplus 31V^{(2),(2,1)} \oplus 23V^{(2),(1,1,1)} \oplus 416V^{(1,1),\varnothing} \oplus 774V^{(1,1),(1)} \oplus 272V^{(1,1),(2)} \oplus 272V^{(1,1),(1,1)} \oplus 27V^{(1,1),(3)} \oplus 37V^{(1,1),(2,1)} \oplus 27V^{(1,1),(1,1,1)} \oplus 146V^{(3),\varnothing} \oplus 168V^{(3),(1)} \oplus 27V^{(3),(2)} \oplus 27V^{(3),(1,1)} \oplus 196V^{(2,1),\varnothing} \oplus 232V^{(2,1),(1)} \oplus 35V^{(2,1),(2)} \oplus 35V^{(2,1),(1,1)} \oplus 196V^{(1,1,1),\varnothing} \oplus 232V^{(1,1,1),(1)} \oplus 35V^{(1,1,1),(2)} \oplus 35V^{(1,1,1),(1,1)} \oplus 58V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 84V^{(2,1,1),\varnothing} \oplus 11V^{(2,1,1),(1)} \oplus 58V^{(1,1,1,1),\varnothing} \oplus 9V^{(1,1,1,1),(1)} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(3)} \oplus 40V^{\varnothing,(2,1)} \oplus 40V^{\varnothing,(1,1,1)} \oplus 20V^{\varnothing,(3,1)} \oplus 20V^{\varnothing,(2,2)} \oplus 20V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(3,2)} \oplus 10V^{\varnothing,(3,1,1)} \oplus 10V^{\varnothing,(2,2,1)} \oplus 256V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 258V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 92V^{(1),(3,1)} \oplus 92V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 3V^{(1),(3,2)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 128V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 258V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 72V^{(2),(3)} \oplus 112V^{(2),(2,1)} \oplus 72V^{(2),(1,1,1)} \oplus 9V^{(2),(3,1)} \oplus 9V^{(2),(2,2)} \oplus 9V^{(2),(2,1,1)} \oplus 128V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 270V^{(1,1),(2)} \oplus 270V^{(1,1),(1,1)} \oplus 80V^{(1,1),(3)} \oplus 124V^{(1,1),(2,1)} \oplus 80V^{(1,1),(1,1,1)} \oplus 11V^{(1,1),(3,1)} \oplus 11V^{(1,1),(2,2)} \oplus 11V^{(1,1),(2,1,1)} \oplus 64V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 68V^{(3),(2)} \oplus 68V^{(3),(1,1)} \oplus 12V^{(3),(3)} \oplus 16V^{(3),(2,1)} \oplus 12V^{(3),(1,1,1)} \oplus 64V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 96V^{(2,1),(2)} \oplus 96V^{(2,1),(1,1)} \oplus 17V^{(2,1),(3)} \oplus 25V^{(2,1),(2,1)} \oplus 17V^{(2,1),(1,1,1)} \oplus 64V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 96V^{(1,1,1),(2)} \oplus 96V^{(1,1,1),(1,1)} \oplus 17V^{(1,1,1),(3)} \oplus 25V^{(1,1,1),(2,1)} \oplus 17V^{(1,1,1),(1,1,1)} \oplus 32V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 9V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 32V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 11V^{(2,1,1),(2)} \oplus 11V^{(2,1,1),(1,1)} \oplus 32V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 9V^{(1,1,1,1),(2)} \oplus 9V^{(1,1,1,1),(1,1)} \oplus 16V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 16V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(3,2)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(3,2,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 90V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 36V^{(2),(3,1)} \oplus 36V^{(2),(2,2)} \oplus 36V^{(2),(2,1,1)} \oplus 3V^{(2),(3,2)} \oplus 3V^{(2),(3,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 90V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 36V^{(1,1),(3,1)} \oplus 36V^{(1,1),(2,2)} \oplus 36V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(3,2)} \oplus 3V^{(1,1),(3,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 24V^{(3),(3)} \oplus 34V^{(3),(2,1)} \oplus 24V^{(3),(1,1,1)} \oplus 5V^{(3),(3,1)} \oplus 5V^{(3),(2,2)} \oplus 5V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 32V^{(2,1),(3)} \oplus 52V^{(2,1),(2,1)} \oplus 32V^{(2,1),(1,1,1)} \oplus 9V^{(2,1),(3,1)} \oplus 9V^{(2,1),(2,2)} \oplus 9V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus$

Table 73: Table for $\lambda = (3,1,1,1)$, $\mu = (3,1,1,1)$:

$k = 12: \quad 180V^{\varnothing,\varnothing}$
$k = 11: \quad 1200V^{\varnothing,\varnothing} \oplus 116V^{\varnothing,(1)} \oplus 116V^{(1),\varnothing}$
$k = 10: \quad 1920V^{\varnothing,\varnothing} \oplus 1240V^{\varnothing,(1)} \oplus 37V^{\varnothing,(2)} \oplus 39V^{\varnothing,(1,1)} \oplus 1240V^{(1),\varnothing} \oplus 293V^{(1),(1)} \oplus 37V^{(2),\varnothing} \oplus 39V^{(1,1),\varnothing}$
$k = 9: \quad 1616V^{\varnothing,\varnothing} \oplus 1832V^{\varnothing,(1)} \oplus 436V^{\varnothing,(2)} \oplus 476V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(3)} \oplus 12V^{\varnothing,(2,1)} \oplus 12V^{\varnothing,(1,1,1)} \oplus 1832V^{(1),\varnothing} \oplus 1676V^{(1),(1)} \oplus 101V^{(1),(2)} \oplus 107V^{(1),(1,1)} \oplus 436V^{(2),\varnothing} \oplus 101V^{(2),(1)} \oplus 476V^{(1,1),\varnothing} \oplus 107V^{(1,1),(1)} \oplus 9V^{(3),\varnothing} \oplus 12V^{(2,1),\varnothing} \oplus 12V^{(1,1,1),\varnothing}$
$k = 8: \quad 948V^{\varnothing,\varnothing} \oplus 1344V^{\varnothing,(1)} \oplus 552V^{\varnothing,(2)} \oplus 588V^{\varnothing,(1,1)} \oplus 112V^{\varnothing,(3)} \oplus 184V^{\varnothing,(2,1)} \oplus 184V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1344V^{(1),\varnothing} \oplus 2330V^{(1),(1)} \oplus 588V^{(1),(2)} \oplus 636V^{(1),(1,1)} \oplus 27V^{(1),(3)} \oplus 35V^{(1),(2,1)} \oplus 35V^{(1),(1,1,1)} \oplus 552V^{(2),\varnothing} \oplus 588V^{(2),(1)} \oplus 61V^{(2),(2)} \oplus 65V^{(2),(1,1)} \oplus 588V^{(1,1),\varnothing} \oplus 636V^{(1,1),(1)} \oplus 65V^{(1,1),(2)} \oplus 71V^{(1,1),(1,1)} \oplus 112V^{(3),\varnothing} \oplus 27V^{(3),(1)} \oplus 184V^{(2,1),\varnothing} \oplus 35V^{(2,1),(1)} \oplus 184V^{(1,1,1),\varnothing} \oplus 35V^{(1,1,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7:$ $320V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 320V^{\varnothing,(2)} \oplus 320V^{\varnothing,(1,1)} \oplus 110V^{\varnothing,(3)} \oplus 160V^{\varnothing,(2,1)} \oplus 160V^{\varnothing,(1,1,1)} \oplus 46V^{\varnothing,(3,1)} \oplus 72V^{\varnothing,(2,1,1)} \oplus 46V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 774V^{(1),(1,1)} \oplus 168V^{(1),(3)} \oplus 232V^{(1),(2,1)} \oplus 232V^{(1),(1,1,1)} \oplus 9V^{(1),(3,1)} \oplus 11V^{(1),(2,1,1)} \oplus 9V^{(1),(1,1,1,1)} \oplus 320V^{(2),\varnothing} \oplus 738V^{(2),(1)} \oplus 220V^{(2),(2)} \oplus 236V^{(2),(1,1)} \oplus 19V^{(2),(3)} \oplus 25V^{(2),(2,1)} \oplus 25V^{(2),(1,1,1)} \oplus 320V^{(1,1),\varnothing} \oplus 774V^{(1,1),(1)} \oplus 236V^{(1,1),(2)} \oplus 260V^{(1,1),(1,1)} \oplus 21V^{(1,1),(3)} \oplus 29V^{(1,1),(2,1)} \oplus 29V^{(1,1),(1,1,1)} \oplus 110V^{(3),\varnothing} \oplus 168V^{(3),(1)} \oplus 19V^{(3),(2)} \oplus 21V^{(3),(1,1)} \oplus 160V^{(2,1),\varnothing} \oplus 232V^{(2,1),(1)} \oplus 25V^{(2,1),(2)} \oplus 29V^{(2,1),(1,1)} \oplus 160V^{(1,1,1),\varnothing} \oplus 232V^{(1,1,1),(1)} \oplus 25V^{(1,1,1),(2)} \oplus 29V^{(1,1,1),(1,1)} \oplus 46V^{(3,1),\varnothing} \oplus 9V^{(3,1),(1)} \oplus 72V^{(2,1,1),\varnothing} \oplus 11V^{(2,1,1),(1)} \oplus 46V^{(1,1,1,1),\varnothing} \oplus 9V^{(1,1,1,1),(1)} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,\varnothing} \oplus 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(3)} \oplus 40V^{\varnothing,(2,1)} \oplus 40V^{\varnothing,(1,1,1)} \oplus 20V^{\varnothing,(3,1)} \oplus 20V^{\varnothing,(2,1,1)} \oplus 20V^{\varnothing,(1,1,1,1)} \oplus 10V^{\varnothing,(3,1,1)} \oplus 10V^{\varnothing,(2,1,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(3,1)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 70V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 250V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 64V^{(2),(3)} \oplus 88V^{(2),(2,1)} \oplus 88V^{(2),(1,1,1)} \oplus 7V^{(2),(3,1)} \oplus 9V^{(2),(2,1,1)} \oplus 7V^{(2),(1,1,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 270V^{(1,1),(1,1)} \oplus 68V^{(1,1),(3)} \oplus 96V^{(1,1),(2,1)} \oplus 96V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(3,1)} \oplus 11V^{(1,1),(2,1,1)} \oplus 9V^{(1,1),(1,1,1,1)} \oplus 40V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 64V^{(3),(2)} \oplus 68V^{(3),(1,1)} \oplus 10V^{(3),(3)} \oplus 13V^{(3),(2,1)} \oplus 13V^{(3),(1,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 88V^{(2,1),(2)} \oplus 96V^{(2,1),(1,1)} \oplus 13V^{(2,1),(3)} \oplus 19V^{(2,1),(2,1)} \oplus 19V^{(2,1),(1,1,1)} \oplus 40V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 88V^{(1,1,1),(2)} \oplus 96V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(3)} \oplus 19V^{(1,1,1),(2,1)} \oplus 19V^{(1,1,1),(1,1,1)} \oplus 20V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 7V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 20V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 11V^{(2,1,1),(1,1)} \oplus 20V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 7V^{(1,1,1,1),(2)} \oplus 9V^{(1,1,1,1),(1,1)} \oplus 10V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 10V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(3,1,1,1)} \oplus 120V^{(2),(1)} \oplus 120V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 78V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(3,1)} \oplus 36V^{(2),(2,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 3V^{(2),(3,1,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(3,1)} \oplus 36V^{(1,1),(2,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(3,1,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 80V^{(3),(1)} \oplus 66V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 22V^{(3),(3)} \oplus 28V^{(3),(2,1)} \oplus 28V^{(3),(1,1,1)} \oplus 4V^{(3),(3,1)} \oplus 5V^{(3),(2,1,1)} \oplus 4V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 28V^{(2,1),(3)} \oplus 40V^{(2,1),(2,1)} \oplus 40V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(3,1)} \oplus 9V^{(2,1),(2,1,1)} \oplus 7V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(3)} \oplus 40V^{(1,1,1),(2,1)} \oplus 40V^{(1,1,1),(1,1,1)} \oplus$

Table 74: Table for $\lambda = (3,1,1,1)$, $\mu = (2,2,2)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1042V^{\varnothing,\varnothing} \oplus 89V^{\varnothing,(1)} \oplus 74V^{(1),\varnothing}$
$k = 10: \quad 1782V^{\varnothing,\varnothing} \oplus 1074V^{\varnothing,(1)} \oplus 30V^{\varnothing,(2)} \oplus 31V^{\varnothing,(1,1)} \oplus 1062V^{(1),\varnothing} \oplus 221V^{(1),(1)} \oplus 29V^{(2),\varnothing} \oplus 31V^{(1,1),\varnothing}$
$k = 9: \quad 1410V^{\varnothing,\varnothing} \oplus 1688V^{\varnothing,(1)} \oplus 308V^{\varnothing,(2)} \oplus 412V^{\varnothing,(1,1)} \oplus 10V^{\varnothing,(2,1)} \oplus 9V^{\varnothing,(1,1,1)} \oplus 1564V^{(1),\varnothing} \oplus 1460V^{(1),(1)} \oplus 81V^{(1),(2)} \oplus 83V^{(1),(1,1)} \oplus 378V^{(2),\varnothing} \oplus 61V^{(2),(1)} \oplus 418V^{(1,1),\varnothing} \oplus 65V^{(1,1),(1)} \oplus 8V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 698V^{\varnothing,\varnothing} \oplus 1296V^{\varnothing,(1)} \oplus 402V^{\varnothing,(2)} \oplus 552V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(2,1)} \oplus 112V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 984V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 472V^{(1),(2)} \oplus 552V^{(1),(1,1)} \oplus 29V^{(1),(2,1)} \oplus 27V^{(1),(1,1,1)} \oplus 462V^{(2),\varnothing} \oplus 532V^{(2),(1)} \oplus 47V^{(2),(2)} \oplus 49V^{(2),(1,1)} \oplus 498V^{(1,1),\varnothing} \oplus 564V^{(1,1),(1)} \oplus 51V^{(1,1),(2)} \oplus 53V^{(1,1),(1,1)} \oplus 92V^{(3),\varnothing} \oplus 19V^{(3),(1)} \oplus 164V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 164V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 240V^{\varnothing,(2)} \oplus 320V^{\varnothing,(1,1)} \oplus 160V^{\varnothing,(2,1)} \oplus 110V^{\varnothing,(1,1,1)} \oplus 46V^{\varnothing,(2,2)} \oplus 46V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 365V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 630V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 208V^{(1),(2,1)} \oplus 168V^{(1),(1,1,1)} \oplus 9V^{(1),(2,2)} \oplus 9V^{(1),(2,1,1)} \oplus 220V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 176V^{(2),(2)} \oplus 208V^{(2),(1,1)} \oplus 21V^{(2),(2,1)} \oplus 19V^{(2),(1,1,1)} \oplus 220V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 192V^{(1,1),(2)} \oplus 224V^{(1,1),(1,1)} \oplus 23V^{(1,1),(2,1)} \oplus 21V^{(1,1),(1,1,1)} \oplus 80V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 12V^{(3),(2)} \oplus 13V^{(3),(1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 17V^{(2,1),(2)} \oplus 19V^{(2,1),(1,1)} \oplus 130V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 17V^{(1,1,1),(2)} \oplus 19V^{(1,1,1),(1,1)} \oplus 36V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus 62V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus 36V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6:$ $100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(2,1)} \oplus 40V^{\varnothing,(1,1,1)} \oplus 20V^{\varnothing,(2,2)} \oplus 20V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(2,2,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 25V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 214V^{(2),(2)} \oplus 250V^{(2),(1,1)} \oplus 80V^{(2),(2,1)} \oplus 64V^{(2),(1,1,1)} \oplus 7V^{(2),(2,2)} \oplus 7V^{(2),(2,1,1)} \oplus 25V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 222V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 84V^{(1,1),(2,1)} \oplus 68V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(2,2)} \oplus 9V^{(1,1),(2,1,1)} \oplus 15V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 56V^{(3),(2)} \oplus 64V^{(3),(1,1)} \oplus 11V^{(3),(2,1)} \oplus 10V^{(3),(1,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 72V^{(2,1),(2)} \oplus 88V^{(2,1),(1,1)} \oplus 15V^{(2,1),(2,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 72V^{(1,1,1),(2)} \oplus 88V^{(1,1,1),(1,1)} \oplus 15V^{(1,1,1),(2,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 6V^{(3,1),(2)} \oplus 7V^{(3,1),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 7V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 10V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 6V^{(1,1,1,1),(2)} \oplus 7V^{(1,1,1,1),(1,1)} \oplus 5V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 5V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(2,2,2)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(2,2)} \oplus 28V^{(2),(2,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,2)} \oplus 28V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 26V^{(3),(2,1)} \oplus 22V^{(3),(1,1,1)} \oplus 4V^{(3),(2,2)} \oplus 4V^{(3),(2,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 36V^{(2,1),(2,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(2,2)} \oplus 7V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 36V^{(1,1,1),(2,1)} \oplus 28V^{(1,1,1),(1,1,1)} \oplus 7V^{(1,1,1),(2,2)} \oplus 7V^{(1,1,1),(2,1,1)} \oplus 50V^{(3,1),(1)} \oplus 24V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 5V^{(3,1),(2,1)} \oplus 4V^{(3,1),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 36V^{(2,1,1),(1,1)} \oplus 7V^{(2,1,1),(2,1)} \oplus 5V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 24V^{(1,1,1,1),(2)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 5V^{(1,1,1,1),(2,1)} \oplus 4V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(3,1,1),(1)} \oplus 2V^{(3,1,1),(2)} \oplus 3V^{(3,1,1),(1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 2V^{(2,1,1,1),(2)} \oplus 3V^{(2,1,1,1),(1,1)} \oplus V^{(3,1,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus V^{(2),(2,2,2)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus$

Table 75: Table for $\lambda = (3,1,1,1)$, $\mu = (2,2,1,1)$:

$k = 12: \quad 34V^{\varnothing,\varnothing}$
$k = 11: \quad 1102V^{\varnothing,\varnothing} \oplus 114V^{\varnothing,(1)} \oplus 92V^{(1),\varnothing}$
$k = 10: \quad 1864V^{\varnothing,\varnothing} \oplus 1160V^{\varnothing,(1)} \oplus 36V^{\varnothing,(2)} \oplus 39V^{\varnothing,(1,1)} \oplus 1170V^{(1),\varnothing} \oplus 287V^{(1),(1)} \oplus 30V^{(2),\varnothing} \oplus 32V^{(1,1),\varnothing}$
$k = 9: \quad 1490V^{\varnothing,\varnothing} \oplus 1724V^{\varnothing,(1)} \oplus 332V^{\varnothing,(2)} \oplus 476V^{\varnothing,(1,1)} \oplus 12V^{\varnothing,(2,1)} \oplus 12V^{\varnothing,(1,1,1)} \oplus 1764V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 99V^{(1),(2)} \oplus 107V^{(1),(1,1)} \oplus 418V^{(2),\varnothing} \oplus 97V^{(2),(1)} \oplus 458V^{(1,1),\varnothing} \oplus 101V^{(1,1),(1)} \oplus 8V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 828V^{\varnothing,\varnothing} \oplus 1296V^{\varnothing,(1)} \oplus 402V^{\varnothing,(2)} \oplus 588V^{\varnothing,(1,1)} \oplus 184V^{\varnothing,(2,1)} \oplus 184V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1144V^{(1),\varnothing} \oplus 2222V^{(1),(1)} \oplus 508V^{(1),(2)} \oplus 636V^{(1),(1,1)} \oplus 35V^{(1),(2,1)} \oplus 35V^{(1),(1,1,1)} \oplus 534V^{(2),\varnothing} \oplus 556V^{(2),(1)} \oplus 59V^{(2),(2)} \oplus 65V^{(2),(1,1)} \oplus 570V^{(1,1),\varnothing} \oplus 588V^{(1,1),(1)} \oplus 63V^{(1,1),(2)} \oplus 71V^{(1,1),(1,1)} \oplus 108V^{(3),\varnothing} \oplus 25V^{(3),(1)} \oplus 180V^{(2,1),\varnothing} \oplus 31V^{(2,1),(1)} \oplus 180V^{(1,1,1),\varnothing} \oplus 31V^{(1,1,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 210V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 240V^{\varnothing,(2)} \oplus 320V^{\varnothing,(1,1)} \oplus 160V^{\varnothing,(2,1)} \oplus 160V^{\varnothing,(1,1,1)} \oplus 46V^{\varnothing,(2,2)} \oplus 72V^{\varnothing,(2,1,1)} \oplus 46V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 510V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 630V^{(1),(2)} \oplus 774V^{(1),(1,1)} \oplus 232V^{(1),(2,1)} \oplus 232V^{(1),(1,1,1)} \oplus 9V^{(1),(2,2)} \oplus 11V^{(1),(2,1,1)} \oplus 9V^{(1),(1,1,1,1)} \oplus 268V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 188V^{(2),(2)} \oplus 236V^{(2),(1,1)} \oplus 25V^{(2),(2,1)} \oplus 25V^{(2),(1,1,1)} \oplus 268V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 204V^{(1,1),(2)} \oplus 260V^{(1,1),(1,1)} \oplus 29V^{(1,1),(2,1)} \oplus 29V^{(1,1),(1,1,1)} \oplus 104V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 18V^{(3),(2)} \oplus 21V^{(3),(1,1)} \oplus 154V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 23V^{(2,1),(2)} \oplus 29V^{(2,1),(1,1)} \oplus 154V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 23V^{(1,1,1),(2)} \oplus 29V^{(1,1,1),(1,1)} \oplus 44V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus 70V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus 44V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6:$ $100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(2,1)} \oplus 40V^{\varnothing,(1,1,1)} \oplus 20V^{\varnothing,(2,2)} \oplus 20V^{\varnothing,(2,1,1)} \oplus 20V^{\varnothing,(1,1,1,1)} \oplus 10V^{\varnothing,(2,2,1)} \oplus 10V^{\varnothing,(2,1,1,1)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 54V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 214V^{(2),(2)} \oplus 258V^{(2),(1,1)} \oplus 88V^{(2),(2,1)} \oplus 88V^{(2),(1,1,1)} \oplus 7V^{(2),(2,2)} \oplus 9V^{(2),(2,1,1)} \oplus 7V^{(2),(1,1,1,1)} \oplus 54V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 222V^{(1,1),(2)} \oplus 270V^{(1,1),(1,1)} \oplus 96V^{(1,1),(2,1)} \oplus 96V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(2,2)} \oplus 11V^{(1,1),(2,1,1)} \oplus 9V^{(1,1),(1,1,1,1)} \oplus 27V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 56V^{(3),(2)} \oplus 68V^{(3),(1,1)} \oplus 13V^{(3),(2,1)} \oplus 13V^{(3),(1,1,1)} \oplus 27V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 72V^{(2,1),(2)} \oplus 96V^{(2,1),(1,1)} \oplus 19V^{(2,1),(2,1)} \oplus 19V^{(2,1),(1,1,1)} \oplus 27V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 72V^{(1,1,1),(2)} \oplus 96V^{(1,1,1),(1,1)} \oplus 19V^{(1,1,1),(2,1)} \oplus 19V^{(1,1,1),(1,1,1)} \oplus 18V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 6V^{(3,1),(2)} \oplus 9V^{(3,1),(1,1)} \oplus 18V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 7V^{(2,1,1),(2)} \oplus 11V^{(2,1,1),(1,1)} \oplus 18V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 6V^{(1,1,1,1),(2)} \oplus 9V^{(1,1,1,1),(1,1)} \oplus 9V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 9V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(2,2,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 78V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(2,2)} \oplus 36V^{(2),(2,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 3V^{(2),(2,2,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,2)} \oplus 36V^{(1,1),(2,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 28V^{(3),(2,1)} \oplus 28V^{(3),(1,1,1)} \oplus 4V^{(3),(2,2)} \oplus 5V^{(3),(2,1,1)} \oplus 4V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 40V^{(2,1),(2,1)} \oplus 40V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(2,2)} \oplus 9V^{(2,1),(2,1,1)} \oplus 7V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 40V^{(1,1,1),(2,1)} \oplus 40V^{(1,1,1),(1,1,1)} \oplus 7V^{(1,1,1),(2,2)} \oplus 9V^{(1,1,1),(2,1,1)} \oplus 7V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 24V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 7V^{(3,1),(2,1)} \oplus 7V^{(3,1),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 36V^{(2,1,1),(1,1)} \oplus 9V^{(2,1,1),(2,1)} \oplus 9V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus$

Table 76: Table for $\lambda = (3,1,1,1)$, $\mu = (2,1,1,1,1)$:

$k = 12: \quad 34V^{\varnothing,\varnothing}$
$k = 11: \quad 1062V^{\varnothing,\varnothing} \oplus 108V^{\varnothing,(1)} \oplus 60V^{(1),\varnothing}$
$k = 10: \quad 1784V^{\varnothing,\varnothing} \oplus 1112V^{\varnothing,(1)} \oplus 28V^{\varnothing,(2)} \oplus 37V^{\varnothing,(1,1)} \oplus 1050V^{(1),\varnothing} \oplus 269V^{(1),(1)} \oplus 26V^{(2),\varnothing} \oplus 28V^{(1,1),\varnothing}$
$k = 9: \quad 1410V^{\varnothing,\varnothing} \oplus 1688V^{\varnothing,(1)} \oplus 268V^{\varnothing,(2)} \oplus 436V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(2,1)} \oplus 12V^{\varnothing,(1,1,1)} \oplus 1564V^{(1),\varnothing} \oplus 1508V^{(1),(1)} \oplus 75V^{(1),(2)} \oplus 101V^{(1),(1,1)} \oplus 378V^{(2),\varnothing} \oplus 85V^{(2),(1)} \oplus 418V^{(1,1),\varnothing} \oplus 89V^{(1,1),(1)} \oplus 8V^{(3),\varnothing} \oplus 11V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8:$ $748V^{\varnothing,\varnothing} \oplus 1296V^{\varnothing,(1)} \oplus 366V^{\varnothing,(2)} \oplus 552V^{\varnothing,(1,1)} \oplus 112V^{\varnothing,(2,1)} \oplus 184V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 4V^{\varnothing,(1,1,1,1)} \oplus 984V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 424V^{(1),(2)} \oplus 588V^{(1),(1,1)} \oplus 27V^{(1),(2,1)} \oplus 35V^{(1),(1,1,1)} \oplus 462V^{(2),\varnothing} \oplus 532V^{(2),(1)} \oplus 43V^{(2),(2)} \oplus 61V^{(2),(1,1)} \oplus 498V^{(1,1),\varnothing} \oplus 564V^{(1,1),(1)} \oplus 45V^{(1,1),(2)} \oplus 65V^{(1,1),(1,1)} \oplus 92V^{(3),\varnothing} \oplus 19V^{(3),(1)} \oplus 164V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 164V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 170V^{\varnothing,\varnothing} \oplus 590V^{\varnothing,(1)} \oplus 240V^{\varnothing,(2)} \oplus 320V^{\varnothing,(1,1)} \oplus 110V^{\varnothing,(2,1)} \oplus 160V^{\varnothing,(1,1,1)} \oplus 46V^{\varnothing,(2,1,1)} \oplus 72V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus 340V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 594V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 168V^{(1),(2,1)} \oplus 232V^{(1),(1,1,1)} \oplus 9V^{(1),(2,1,1)} \oplus 11V^{(1),(1,1,1,1)} \oplus 220V^{(2),\varnothing} \oplus 714V^{(2),(1)} \oplus 160V^{(2),(2)} \oplus 220V^{(2),(1,1)} \oplus 19V^{(2),(2,1)} \oplus 25V^{(2),(1,1,1)} \oplus 220V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 168V^{(1,1),(2)} \oplus 236V^{(1,1),(1,1)} \oplus 21V^{(1,1),(2,1)} \oplus 29V^{(1,1),(1,1,1)} \oplus 80V^{(3),\varnothing} \oplus 160V^{(3),(1)} \oplus 10V^{(3),(2)} \oplus 19V^{(3),(1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 13V^{(2,1),(2)} \oplus 25V^{(2,1),(1,1)} \oplus 130V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 13V^{(1,1,1),(2)} \oplus 25V^{(1,1,1),(1,1)} \oplus 36V^{(3,1),\varnothing} \oplus 7V^{(3,1),(1)} \oplus 62V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus 36V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(3,1,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(2)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(2,1)} \oplus 40V^{\varnothing,(1,1,1)} \oplus 20V^{\varnothing,(2,1,1)} \oplus 20V^{\varnothing,(1,1,1,1)} \oplus 10V^{\varnothing,(2,1,1,1)} \oplus 10V^{\varnothing,(1,1,1,1,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,1,1)} \oplus 92V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus 20V^{(2),\varnothing} \oplus 416V^{(2),(1)} \oplus 206V^{(2),(2)} \oplus 250V^{(2),(1,1)} \oplus 64V^{(2),(2,1)} \oplus 88V^{(2),(1,1,1)} \oplus 7V^{(2),(2,1,1)} \oplus 9V^{(2),(1,1,1,1)} \oplus 20V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 210V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 68V^{(1,1),(2,1)} \oplus 96V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(2,1,1)} \oplus 11V^{(1,1),(1,1,1,1)} \oplus 15V^{(3),\varnothing} \oplus 186V^{(3),(1)} \oplus 52V^{(3),(2)} \oplus 64V^{(3),(1,1)} \oplus 10V^{(3),(2,1)} \oplus 13V^{(3),(1,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 88V^{(2,1),(1,1)} \oplus 13V^{(2,1),(2,1)} \oplus 19V^{(2,1),(1,1,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus 88V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(2,1)} \oplus 19V^{(1,1,1),(1,1,1)} \oplus 10V^{(3,1),\varnothing} \oplus 72V^{(3,1),(1)} \oplus 4V^{(3,1),(2)} \oplus 7V^{(3,1),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 5V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 10V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 4V^{(1,1,1,1),(2)} \oplus 7V^{(1,1,1,1),(1,1)} \oplus 5V^{(3,1,1),\varnothing} \oplus 3V^{(3,1,1),(1)} \oplus 5V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus V^{(1),(2,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 120V^{(2),(1,1)} \oplus 66V^{(2),(2,1)} \oplus 78V^{(2),(1,1,1)} \oplus 28V^{(2),(2,1,1)} \oplus 36V^{(2),(1,1,1,1)} \oplus 3V^{(2),(2,1,1,1)} \oplus 3V^{(2),(1,1,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,1,1)} \oplus 36V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 3V^{(1,1),(1,1,1,1,1)} \oplus 80V^{(3),(1)} \oplus 60V^{(3),(2)} \oplus 66V^{(3),(1,1)} \oplus 22V^{(3),(2,1)} \oplus 28V^{(3),(1,1,1)} \oplus 4V^{(3),(2,1,1)} \oplus 5V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 28V^{(2,1),(2,1)} \oplus 40V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(2,1,1)} \oplus 9V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(2,1)} \oplus 40V^{(1,1,1),(1,1,1)} \oplus 7V^{(1,1,1),(2,1,1)} \oplus 9V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 24V^{(3,1),(2)} \oplus 28V^{(3,1),(1,1)} \oplus 4V^{(3,1),(2,1)} \oplus 7V^{(3,1),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 36V^{(2,1,1),(1,1)} \oplus 5V^{(2,1,1),(2,1)} \oplus 9V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 24V^{(1,1,1,1),(2)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 4V^{(1,1,1,1),(2,1)} \oplus 7V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(3,1,1),(1)} \oplus 2V^{(3,1,1),(2)} \oplus 3V^{(3,1,1),(1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 2V^{(2,1,1,1),(2)} \oplus 3V^{(2,1,1,1),(1,1)} \oplus V^{(3,1,1,1),(1)}$

Table 77: Table for $\lambda = (3,1,1,1)$, $\mu = (1,1,1,1,1,1)$:

$k = 12: \quad 4V^{\varnothing,\varnothing}$
$k = 11: \quad 806V^{\varnothing,\varnothing} \oplus 80V^{\varnothing,(1)} \oplus 12V^{(1),\varnothing}$
$k = 10:$ $1442V^{\varnothing,\varnothing} \oplus 686V^{\varnothing,(1)} \oplus 28V^{\varnothing,(1,1)} \oplus 694V^{(1),\varnothing} \oplus 195V^{(1),(1)} \oplus 8V^{(2),\varnothing} \oplus 9V^{(1,1),\varnothing}$
$k = 9: \quad 1200V^{\varnothing,\varnothing} \oplus 1094V^{\varnothing,(1)} \oplus 268V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(1,1,1)} \oplus 1105V^{(1),\varnothing} \oplus$ $1092V^{(1),(1)} \oplus 75V^{(1),(1,1)} \oplus 266V^{(2),\varnothing} \oplus 43V^{(2),(1)} \oplus 286V^{(1,1),\varnothing} \oplus 45V^{(1,1),(1)} \oplus$ $4V^{(3),\varnothing} \oplus 6V^{(2,1),\varnothing} \oplus 6V^{(1,1,1),\varnothing}$
$k = 8: \quad 634V^{\varnothing,\varnothing} \oplus 928V^{\varnothing,(1)} \oplus 366V^{\varnothing,(1,1)} \oplus 112V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 728V^{(1),\varnothing} \oplus$ $1718V^{(1),(1)} \oplus 424V^{(1),(1,1)} \oplus 27V^{(1),(1,1,1)} \oplus 345V^{(2),\varnothing} \oplus 396V^{(2),(1)} \oplus 43V^{(2),(1,1)} \oplus$ $363V^{(1,1),\varnothing} \oplus 412V^{(1,1),(1)} \oplus 45V^{(1,1),(1,1)} \oplus 66V^{(3),\varnothing} \oplus 10V^{(3),(1)} \oplus 128V^{(2,1),\varnothing} \oplus$ $13V^{(2,1),(1)} \oplus 128V^{(1,1,1),\varnothing} \oplus 13V^{(1,1,1),(1)} \oplus 3V^{(3,1),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 470V^{\varnothing,(1)} \oplus 240V^{\varnothing,(1,1)} \oplus 110V^{\varnothing,(1,1,1)} \oplus 46V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus$ $245V^{(1),\varnothing} \oplus 1316V^{(1),(1)} \oplus 594V^{(1),(1,1)} \oplus 168V^{(1),(1,1,1)} \oplus 9V^{(1),(1,1,1,1)} \oplus 164V^{(2),\varnothing} \oplus$ $582V^{(2),(1)} \oplus 160V^{(2),(1,1)} \oplus 19V^{(2),(1,1,1)} \oplus 164V^{(1,1),\varnothing} \oplus 594V^{(1,1),(1)} \oplus 168V^{(1,1),(1,1)} \oplus$ $21V^{(1,1),(1,1,1)} \oplus 53V^{(3),\varnothing} \oplus 132V^{(3),(1)} \oplus 10V^{(3),(1,1)} \oplus 103V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus$ $13V^{(2,1),(1,1)} \oplus 103V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 13V^{(1,1,1),(1,1)} \oplus 28V^{(3,1),\varnothing} \oplus 4V^{(3,1),(1)} \oplus$ $54V^{(2,1,1),\varnothing} \oplus 5V^{(2,1,1),(1)} \oplus 28V^{(1,1,1,1),\varnothing} \oplus 4V^{(1,1,1,1),(1)} \oplus 2V^{(3,1,1),\varnothing} \oplus 2V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 100V^{\varnothing,(1)} \oplus 70V^{\varnothing,(1,1)} \oplus 40V^{\varnothing,(1,1,1)} \oplus 20V^{\varnothing,(1,1,1,1)} \oplus 10V^{\varnothing,(1,1,1,1,1)} \oplus$ $V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(1,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus$ $V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 206V^{(2),(1,1)} \oplus 64V^{(2),(1,1,1)} \oplus 7V^{(2),(1,1,1,1)} \oplus V^{(1,1),\varnothing} \oplus$ $368V^{(1,1),(1)} \oplus 210V^{(1,1),(1,1)} \oplus 68V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(1,1,1,1)} \oplus V^{(3),\varnothing} \oplus 168V^{(3),(1)} \oplus$ $52V^{(3),(1,1)} \oplus 10V^{(3),(1,1,1)} \oplus V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 64V^{(2,1),(1,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus$ $V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus V^{(3,1),\varnothing} \oplus 62V^{(3,1),(1)} \oplus$ $4V^{(3,1),(1,1)} \oplus V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 5V^{(2,1,1),(1,1)} \oplus V^{(1,1,1,1),\varnothing} \oplus 62V^{(1,1,1,1),(1)} \oplus$ $4V^{(1,1,1,1),(1,1)} \oplus V^{(3,1,1),\varnothing} \oplus 2V^{(3,1,1),(1)} \oplus V^{(2,1,1,1),\varnothing} \oplus 2V^{(2,1,1,1),(1)} \oplus V^{(3,1,1,1),\varnothing}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus$ $V^{(1),(1,1,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(1,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 3V^{(2),(1,1,1,1,1)} \oplus$ $120V^{(1,1),(1)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(1,1,1,1,1)} \oplus$ $80V^{(3),(1)} \oplus 60V^{(3),(1,1)} \oplus 22V^{(3),(1,1,1)} \oplus 4V^{(3),(1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(1,1)} \oplus$ $28V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(1,1,1)} \oplus$ $7V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(3,1),(1)} \oplus 24V^{(3,1),(1,1)} \oplus 4V^{(3,1),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus$ $28V^{(2,1,1),(1,1)} \oplus 5V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 24V^{(1,1,1,1),(1,1)} \oplus 4V^{(1,1,1,1),(1,1,1)} \oplus$ $26V^{(3,1,1),(1)} \oplus 2V^{(3,1,1),(1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 2V^{(2,1,1,1),(1,1)} \oplus V^{(3,1,1,1),(1)}$
$k = 4: \quad 24V^{(2),(1,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus V^{(2),(1,1,1,1,1,1)} \oplus$ $24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(1,1,1,1,1)} \oplus V^{(1,1),(1,1,1,1,1,1)} \oplus$ $24V^{(3),(1,1)} \oplus 20V^{(3),(1,1,1)} \oplus 10V^{(3),(1,1,1,1)} \oplus 2V^{(3),(1,1,1,1,1)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(1,1,1)} \oplus$ $12V^{(2,1),(1,1,1,1)} \oplus 3V^{(2,1),(1,1,1,1,1)} \oplus 24V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(1,1,1)} \oplus 12V^{(1,1,1),(1,1,1,1)} \oplus$ $3V^{(1,1,1),(1,1,1,1,1)} \oplus 18V^{(3,1),(1,1)} \oplus 10V^{(3,1),(1,1,1)} \oplus 4V^{(3,1),(1,1,1,1)} \oplus 18V^{(2,1,1),(1,1)} \oplus$ $12V^{(2,1,1),(1,1,1)} \oplus 5V^{(2,1,1),(1,1,1,1)} \oplus 18V^{(1,1,1,1),(1,1)} \oplus 10V^{(1,1,1,1),(1,1,1)} \oplus 4V^{(1,1,1,1),(1,1,1,1)} \oplus$ $10V^{(3,1,1),(1,1)} \oplus 2V^{(3,1,1),(1,1,1)} \oplus 10V^{(2,1,1,1),(1,1)} \oplus 2V^{(2,1,1,1),(1,1,1)} \oplus V^{(3,1,1,1),(1,1)}$
$k = 3: \quad 6V^{(3),(1,1,1)} \oplus 6V^{(3),(1,1,1,1)} \oplus 4V^{(3),(1,1,1,1,1)} \oplus V^{(3),(1,1,1,1,1,1)} \oplus 6V^{(2,1),(1,1,1)} \oplus$ $6V^{(2,1),(1,1,1,1)} \oplus 4V^{(2,1),(1,1,1,1,1)} \oplus V^{(2,1),(1,1,1,1,1,1)} \oplus 6V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(1,1,1,1)} \oplus$ $4V^{(1,1,1),(1,1,1,1,1)} \oplus V^{(1,1,1),(1,1,1,1,1,1)} \oplus 6V^{(3,1),(1,1,1)} \oplus 5V^{(3,1),(1,1,1,1)} \oplus 2V^{(3,1),(1,1,1,1,1)} \oplus$ $6V^{(2,1,1),(1,1,1)} \oplus 6V^{(2,1,1),(1,1,1,1)} \oplus 3V^{(2,1,1),(1,1,1,1,1)} \oplus 6V^{(1,1,1,1),(1,1,1)} \oplus$ $5V^{(1,1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1,1),(1,1,1,1,1)} \oplus 4V^{(3,1,1),(1,1,1)} \oplus 2V^{(3,1,1),(1,1,1,1)} \oplus$ $4V^{(2,1,1,1),(1,1,1)} \oplus 2V^{(2,1,1,1),(1,1,1,1)} \oplus V^{(3,1,1,1),(1,1,1)}$

Table 78: Table for $\lambda = (2,2,2)$, $\mu = (6,)$:

$k = 12: \quad 2V^{\varnothing,\varnothing}$
$k = 11: \quad 781V^{\varnothing,\varnothing} \oplus 46V^{\varnothing,(1)} \oplus 8V^{(1),\varnothing}$
$k = 10: \quad 1417V^{\varnothing,\varnothing} \oplus 536V^{\varnothing,(1)} \oplus 21V^{\varnothing,(2)} \oplus 644V^{(1),\varnothing} \oplus 163V^{(1),(1)} \oplus 5V^{(2),\varnothing} \oplus 6V^{(1,1),\varnothing}$
$k = 9: \quad 1184V^{\varnothing,\varnothing} \oplus 838V^{\varnothing,(1)} \oplus 214V^{\varnothing,(2)} \oplus 8V^{\varnothing,(3)} \oplus 1045V^{(1),\varnothing} \oplus 1012V^{(1),(1)} \oplus 43V^{(1),(2)} \oplus 158V^{(2),\varnothing} \oplus 36V^{(2),(1)} \oplus 262V^{(1,1),\varnothing} \oplus 37V^{(1,1),(1)} \oplus 4V^{(2,1),\varnothing} \oplus 3V^{(1,1,1),\varnothing}$
$k = 8:$ $624V^{\varnothing,\varnothing} \oplus 568V^{\varnothing,(1)} \oplus 276V^{\varnothing,(2)} \oplus 92V^{\varnothing,(3)} \oplus 3V^{\varnothing,(4)} \oplus 704V^{(1),\varnothing} \oplus 1670V^{(1),(1)} \oplus 396V^{(1),(2)} \oplus 19V^{(1),(3)} \oplus 195V^{(2),\varnothing} \oplus 344V^{(2),(1)} \oplus 36V^{(2),(2)} \oplus 345V^{(1,1),\varnothing} \oplus 384V^{(1,1),(1)} \oplus 37V^{(1,1),(2)} \oplus 118V^{(2,1),\varnothing} \oplus 11V^{(2,1),(1)} \oplus 66V^{(1,1,1),\varnothing} \oplus 10V^{(1,1,1),(1)} \oplus 2V^{(2,2),\varnothing} \oplus 2V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 140V^{\varnothing,(2)} \oplus 80V^{\varnothing,(3)} \oplus 36V^{\varnothing,(4)} \oplus V^{\varnothing,(5)} \oplus 245V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 160V^{(1),(3)} \oplus 7V^{(1),(4)} \oplus 84V^{(2),\varnothing} \oplus 528V^{(2),(1)} \oplus 138V^{(2),(2)} \oplus 12V^{(2),(3)} \oplus 164V^{(1,1),\varnothing} \oplus 582V^{(1,1),(1)} \oplus 154V^{(1,1),(2)} \oplus 13V^{(1,1),(3)} \oplus 103V^{(2,1),\varnothing} \oplus 152V^{(2,1),(1)} \oplus 11V^{(2,1),(2)} \oplus 53V^{(1,1,1),\varnothing} \oplus 132V^{(1,1,1),(1)} \oplus 10V^{(1,1,1),(2)} \oplus 28V^{(2,2),\varnothing} \oplus 4V^{(2,2),(1)} \oplus 28V^{(2,1,1),\varnothing} \oplus 4V^{(2,1,1),(1)} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 15V^{\varnothing,(3)} \oplus 10V^{\varnothing,(4)} \oplus 5V^{\varnothing,(5)} \oplus V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 186V^{(1),(3)} \oplus 72V^{(1),(4)} \oplus 3V^{(1),(5)} \oplus V^{(2),\varnothing} \oplus 344V^{(2),(1)} \oplus 188V^{(2),(2)} \oplus 56V^{(2),(3)} \oplus 6V^{(2),(4)} \oplus V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 206V^{(1,1),(2)} \oplus 64V^{(1,1),(3)} \oplus 7V^{(1,1),(4)} \oplus V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 60V^{(2,1),(2)} \oplus 11V^{(2,1),(3)} \oplus V^{(1,1,1),\varnothing} \oplus 168V^{(1,1,1),(1)} \oplus 52V^{(1,1,1),(2)} \oplus 10V^{(1,1,1),(3)} \oplus V^{(2,2),\varnothing} \oplus 62V^{(2,2),(1)} \oplus 4V^{(2,2),(2)} \oplus V^{(2,1,1),\varnothing} \oplus 62V^{(2,1,1),(1)} \oplus 4V^{(2,1,1),(2)} \oplus V^{(2,2,1),\varnothing} \oplus 2V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 80V^{(1),(3)} \oplus 50V^{(1),(4)} \oplus 26V^{(1),(5)} \oplus V^{(1),(6)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(2)} \oplus 60V^{(2),(3)} \oplus 24V^{(2),(4)} \oplus 2V^{(2),(5)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 66V^{(1,1),(3)} \oplus 28V^{(1,1),(4)} \oplus 3V^{(1,1),(5)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 26V^{(2,1),(3)} \oplus 5V^{(2,1),(4)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(2)} \oplus 22V^{(1,1,1),(3)} \oplus 4V^{(1,1,1),(4)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(2)} \oplus 4V^{(2,2),(3)} \oplus 50V^{(2,1,1),(1)} \oplus 24V^{(2,1,1),(2)} \oplus 4V^{(2,1,1),(3)} \oplus 26V^{(2,2,1),(1)} \oplus 2V^{(2,2,1),(2)} \oplus V^{(2,2,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(3)} \oplus 18V^{(2),(4)} \oplus 10V^{(2),(5)} \oplus V^{(2),(6)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(3)} \oplus 18V^{(1,1),(4)} \oplus 10V^{(1,1),(5)} \oplus V^{(1,1),(6)} \oplus 24V^{(2,1),(2)} \oplus 22V^{(2,1),(3)} \oplus 12V^{(2,1),(4)} \oplus 3V^{(2,1),(5)} \oplus 24V^{(1,1,1),(2)} \oplus 20V^{(1,1,1),(3)} \oplus 10V^{(1,1,1),(4)} \oplus 2V^{(1,1,1),(5)} \oplus 18V^{(2,2),(2)} \oplus 10V^{(2,2),(3)} \oplus 4V^{(2,2),(4)} \oplus 18V^{(2,1,1),(2)} \oplus 10V^{(2,1,1),(3)} \oplus 4V^{(2,1,1),(4)} \oplus 10V^{(2,2,1),(2)} \oplus 2V^{(2,2,1),(3)} \oplus V^{(2,2,2),(2)}$
$k = 3: \quad 6V^{(2,1),(3)} \oplus 6V^{(2,1),(4)} \oplus 4V^{(2,1),(5)} \oplus V^{(2,1),(6)} \oplus 6V^{(1,1,1),(3)} \oplus 6V^{(1,1,1),(4)} \oplus 4V^{(1,1,1),(5)} \oplus V^{(1,1,1),(6)} \oplus 6V^{(2,2),(3)} \oplus 5V^{(2,2),(4)} \oplus 2V^{(2,2),(5)} \oplus 6V^{(2,1,1),(3)} \oplus 5V^{(2,1,1),(4)} \oplus 2V^{(2,1,1),(5)} \oplus 4V^{(2,2,1),(3)} \oplus 2V^{(2,2,1),(4)} \oplus V^{(2,2,2),(3)}$
$k = 2: \quad 2V^{(2,2),(4)} \oplus 2V^{(2,2),(5)} \oplus V^{(2,2),(6)} \oplus 2V^{(2,1,1),(4)} \oplus 2V^{(2,1,1),(5)} \oplus V^{(2,1,1),(6)} \oplus 2V^{(2,2,1),(4)} \oplus 2V^{(2,2,1),(5)} \oplus V^{(2,2,2),(4)}$
$k = 1: \quad V^{(2,2,1),(5)} \oplus V^{(2,2,1),(6)} \oplus V^{(2,2,2),(5)}$
$k = 0: \quad V^{(2,2,2),(6)}$

Table 79: Table for $\lambda = (2,2,2)$, $\mu = (5,1)$:

$k = 12: \quad 7V^{\varnothing,\varnothing}$
$k = 11: \quad 965V^{\varnothing,\varnothing} \oplus 67V^{\varnothing,(1)} \oplus 43V^{(1),\varnothing}$
$k = 10: \quad 1696V^{\varnothing,\varnothing} \oplus 942V^{\varnothing,(1)} \oplus 29V^{\varnothing,(2)} \oplus 21V^{\varnothing,(1,1)} \oplus 910V^{(1),\varnothing} \oplus 205V^{(1),(1)} \oplus 20V^{(2),\varnothing} \oplus 21V^{(1,1),\varnothing}$
$k = 9: \quad 1329V^{\varnothing,\varnothing} \oplus 1426V^{\varnothing,(1)} \oplus 378V^{\varnothing,(2)} \oplus 214V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 8V^{\varnothing,(2,1)} \oplus 1426V^{(1),\varnothing} \oplus 1348V^{(1),(1)} \oplus 61V^{(1),(2)} \oplus 43V^{(1),(1,1)} \oplus 254V^{(2),\varnothing} \oplus 71V^{(2),(1)} \oplus 358V^{(1,1),\varnothing} \oplus 73V^{(1,1),(1)} \oplus 9V^{(2,1),\varnothing} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8:$ $648V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 462V^{\varnothing,(2)} \oplus 276V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(3)} \oplus 92V^{\varnothing,(2,1)} \oplus 4V^{\varnothing,(4)} \oplus 3V^{\varnothing,(3,1)} \oplus 936V^{(1),\varnothing} \oplus 2090V^{(1),(1)} \oplus 532V^{(1),(2)} \oplus 396V^{(1),(1,1)} \oplus 25V^{(1),(3)} \oplus 19V^{(1),(2,1)} \oplus 312V^{(2),\varnothing} \oplus 428V^{(2),(1)} \oplus 47V^{(2),(2)} \oplus 36V^{(2),(1,1)} \oplus 462V^{(1,1),\varnothing} \oplus 508V^{(1,1),(1)} \oplus 49V^{(1,1),(2)} \oplus 37V^{(1,1),(1,1)} \oplus 144V^{(2,1),\varnothing} \oplus 21V^{(2,1),(1)} \oplus 92V^{(1,1,1),\varnothing} \oplus 19V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 140V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(3)} \oplus 80V^{\varnothing,(2,1)} \oplus 62V^{\varnothing,(4)} \oplus 36V^{\varnothing,(3,1)} \oplus V^{\varnothing,(5)} \oplus V^{\varnothing,(4,1)} \oplus 340V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 582V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 160V^{(1),(2,1)} \oplus 9V^{(1),(4)} \oplus 7V^{(1),(3,1)} \oplus 140V^{(2),\varnothing} \oplus 606V^{(2),(1)} \oplus 176V^{(2),(2)} \oplus 138V^{(2),(1,1)} \oplus 17V^{(2),(3)} \oplus 12V^{(2),(2,1)} \oplus 220V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 208V^{(1,1),(2)} \oplus 154V^{(1,1),(1,1)} \oplus 19V^{(1,1),(3)} \oplus 13V^{(1,1),(2,1)} \oplus 130V^{(2,1),\varnothing} \oplus 200V^{(2,1),(1)} \oplus 21V^{(2,1),(2)} \oplus 11V^{(2,1),(1,1)} \oplus 80V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 19V^{(1,1,1),(2)} \oplus 10V^{(1,1,1),(1,1)} \oplus 36V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus 36V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(4)} \oplus 10V^{\varnothing,(3,1)} \oplus 5V^{\varnothing,(5)} \oplus 5V^{\varnothing,(4,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 186V^{(1),(2,1)} \oplus 92V^{(1),(4)} \oplus 72V^{(1),(3,1)} \oplus 3V^{(1),(5)} \oplus 3V^{(1),(4,1)} \oplus 20V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 214V^{(2),(2)} \oplus 188V^{(2),(1,1)} \oplus 72V^{(2),(3)} \oplus 56V^{(2),(2,1)} \oplus 7V^{(2),(4)} \oplus 6V^{(2),(3,1)} \oplus 20V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 250V^{(1,1),(2)} \oplus 206V^{(1,1),(1,1)} \oplus 88V^{(1,1),(3)} \oplus 64V^{(1,1),(2,1)} \oplus 9V^{(1,1),(4)} \oplus 7V^{(1,1),(3,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 80V^{(2,1),(2)} \oplus 60V^{(2,1),(1,1)} \oplus 15V^{(2,1),(3)} \oplus 11V^{(2,1),(2,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus 52V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(3)} \oplus 10V^{(1,1,1),(2,1)} \oplus 10V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 7V^{(2,2),(2)} \oplus 4V^{(2,2),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 7V^{(2,1,1),(2)} \oplus 4V^{(2,1,1),(1,1)} \oplus 5V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 26V^{(1),(5)} \oplus 26V^{(1),(4,1)} \oplus V^{(1),(5,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 102V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 60V^{(2),(2,1)} \oplus 28V^{(2),(4)} \oplus 24V^{(2),(3,1)} \oplus 2V^{(2),(5)} \oplus 2V^{(2),(4,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 36V^{(1,1),(4)} \oplus 28V^{(1,1),(3,1)} \oplus 3V^{(1,1),(5)} \oplus 3V^{(1,1),(4,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 36V^{(2,1),(3)} \oplus 26V^{(2,1),(2,1)} \oplus 7V^{(2,1),(4)} \oplus 5V^{(2,1),(3,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 60V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(3)} \oplus 22V^{(1,1,1),(2,1)} \oplus 5V^{(1,1,1),(4)} \oplus 4V^{(1,1,1),(3,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 24V^{(2,2),(1,1)} \oplus 7V^{(2,2),(3)} \oplus 4V^{(2,2),(2,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 24V^{(2,1,1),(1,1)} \oplus 7V^{(2,1,1),(3)} \oplus 4V^{(2,1,1),(2,1)} \oplus 26V^{(2,2,1),(1)} \oplus 3V^{(2,2,1),(2)} \oplus 2V^{(2,2,1),(1,1)} \oplus V^{(2,2,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 10V^{(2),(5)} \oplus 10V^{(2),(4,1)} \oplus V^{(2),(5,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 10V^{(1,1),(5)} \oplus 10V^{(1,1),(4,1)} \oplus V^{(1,1),(5,1)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 26V^{(2,1),(3)} \oplus 22V^{(2,1),(2,1)} \oplus 16V^{(2,1),(4)} \oplus 12V^{(2,1),(3,1)} \oplus 3V^{(2,1),(5)} \oplus 3V^{(2,1),(4,1)} \oplus 24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(3)} \oplus 20V^{(1,1,1),(2,1)} \oplus 12V^{(1,1,1),(4)} \oplus 10V^{(1,1,1),(3,1)} \oplus 2V^{(1,1,1),(5)} \oplus 2V^{(1,1,1),(4,1)} \oplus 18V^{(2,2),(2)} \oplus 18V^{(2,2),(1,1)} \oplus 12V^{(2,2),(3)} \oplus 10V^{(2,2),(2,1)} \oplus 5V^{(2,2),(4)} \oplus 4V^{(2,2),(3,1)} \oplus 18V^{(2,1,1),(2)} \oplus 18V^{(2,1,1),(1,1)} \oplus 12V^{(2,1,1),(3)} \oplus 10V^{(2,1,1),(2,1)} \oplus 5V^{(2,1,1),(4)} \oplus 4V^{(2,1,1),(3,1)} \oplus 10V^{(2,2,1),(2)} \oplus 10V^{(2,2,1),(1,1)} \oplus 3V^{(2,2,1),(3)} \oplus 2V^{(2,2,1),(2,1)} \oplus V^{(2,2,2),(2)} \oplus V^{(2,2,2),(1,1)}$

Table 80: Table for $\lambda = (2,2,2)$, $\mu = (4,2)$:

$k = 12: \quad 11V^{\varnothing,\varnothing}$
$k = 11: \quad 1001V^{\varnothing,\varnothing} \oplus 72V^{\varnothing,(1)} \oplus 71V^{(1),\varnothing}$
$k = 10: \quad 1744V^{\varnothing,\varnothing} \oplus 982V^{\varnothing,(1)} \oplus 31V^{\varnothing,(2)} \oplus 28V^{\varnothing,(1,1)} \oplus 1022V^{(1),\varnothing} \oplus 217V^{(1),(1)} \oplus 24V^{(2),\varnothing} \oplus 25V^{(1,1),\varnothing}$
$k = 9: \quad 1349V^{\varnothing,\varnothing} \oplus 1456V^{\varnothing,(1)} \oplus 418V^{\varnothing,(2)} \oplus 274V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 1626V^{(1),\varnothing} \oplus 1396V^{(1),(1)} \oplus 65V^{(1),(2)} \oplus 59V^{(1),(1,1)} \oplus 294V^{(2),\varnothing} \oplus 77V^{(2),(1)} \oplus 398V^{(1,1),\varnothing} \oplus 79V^{(1,1),(1)} \oplus 9V^{(2,1),\varnothing} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8: \quad 693V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 498V^{\varnothing,(2)} \oplus 312V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(3)} \oplus 164V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 1096V^{(1),\varnothing} \oplus 2114V^{(1),(1)} \oplus 564V^{(1),(2)} \oplus 452V^{(1),(1,1)} \oplus 25V^{(1),(3)} \oplus 25V^{(1),(2,1)} \oplus 384V^{(2),\varnothing} \oplus 440V^{(2),(1)} \oplus 51V^{(2),(2)} \oplus 46V^{(2),(1,1)} \oplus 534V^{(1,1),\varnothing} \oplus 520V^{(1,1),(1)} \oplus 53V^{(1,1),(2)} \oplus 47V^{(1,1),(1,1)} \oplus 160V^{(2,1),\varnothing} \oplus 27V^{(2,1),(1)} \oplus 108V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 140V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(3)} \oplus 130V^{\varnothing,(2,1)} \oplus 36V^{\varnothing,(4)} \oplus 62V^{\varnothing,(3,1)} \oplus 36V^{\varnothing,(2,2)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,2)} \oplus 510V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 606V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 7V^{(1),(4)} \oplus 9V^{(1),(3,1)} \oplus 7V^{(1),(2,2)} \oplus 188V^{(2),\varnothing} \oplus 606V^{(2),(1)} \oplus 192V^{(2),(2)} \oplus 160V^{(2),(1,1)} \oplus 17V^{(2),(3)} \oplus 17V^{(2),(2,1)} \oplus 268V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 224V^{(1,1),(2)} \oplus 176V^{(1,1),(1,1)} \oplus 19V^{(1,1),(3)} \oplus 19V^{(1,1),(2,1)} \oplus 154V^{(2,1),\varnothing} \oplus 200V^{(2,1),(1)} \oplus 23V^{(2,1),(2)} \oplus 19V^{(2,1),(1,1)} \oplus 104V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 21V^{(1,1,1),(2)} \oplus 18V^{(1,1,1),(1,1)} \oplus 44V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus 44V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(4)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 5V^{\varnothing,(4,1)} \oplus 5V^{\varnothing,(3,2)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,2)} \oplus 54V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 222V^{(2),(2)} \oplus 196V^{(2),(1,1)} \oplus 72V^{(2),(3)} \oplus 72V^{(2),(2,1)} \oplus 6V^{(2),(4)} \oplus 7V^{(2),(3,1)} \oplus 6V^{(2),(2,2)} \oplus 54V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 214V^{(1,1),(1,1)} \oplus 88V^{(1,1),(3)} \oplus 88V^{(1,1),(2,1)} \oplus 7V^{(1,1),(4)} \oplus 9V^{(1,1),(3,1)} \oplus 7V^{(1,1),(2,2)} \oplus 27V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 84V^{(2,1),(2)} \oplus 64V^{(2,1),(1,1)} \oplus 15V^{(2,1),(3)} \oplus 15V^{(2,1),(2,1)} \oplus 27V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 68V^{(1,1,1),(2)} \oplus 56V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(3)} \oplus 13V^{(1,1,1),(2,1)} \oplus 18V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 9V^{(2,2),(2)} \oplus 6V^{(2,2),(1,1)} \oplus 18V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 6V^{(2,1,1),(1,1)} \oplus 9V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(4,2)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 102V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 24V^{(2),(4)} \oplus 28V^{(2),(3,1)} \oplus 24V^{(2),(2,2)} \oplus 2V^{(2),(4,1)} \oplus 2V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 28V^{(1,1),(4)} \oplus 36V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,2)} \oplus 3V^{(1,1),(4,1)} \oplus 3V^{(1,1),(3,2)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 36V^{(2,1),(3)} \oplus 36V^{(2,1),(2,1)} \oplus 5V^{(2,1),(4)} \oplus 7V^{(2,1),(3,1)} \oplus 5V^{(2,1),(2,2)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 60V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(3)} \oplus 28V^{(1,1,1),(2,1)} \oplus 4V^{(1,1,1),(4)} \oplus 5V^{(1,1,1),(3,1)} \oplus 4V^{(1,1,1),(2,2)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 24V^{(2,2),(1,1)} \oplus 7V^{(2,2),(3)} \oplus 7V^{(2,2),(2,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 24V^{(2,1,1),(1,1)} \oplus 7V^{(2,1,1),(3)} \oplus 7V^{(2,1,1),(2,1)} \oplus 26V^{(2,2,1),(1)} \oplus 3V^{(2,2,1),(2)} \oplus 2V^{(2,2,1),(1,1)} \oplus V^{(2,2,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(4,1)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(4,2)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus 10V^{(1,1),(4,1)} \oplus 10V^{(1,1),(3,2)} \oplus V^{(1,1),(4,2)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 26V^{(2,1),(3)} \oplus 26V^{(2,1),(2,1)} \oplus 12V^{(2,1),(4)} \oplus 16V^{(2,1),(3,1)} \oplus 12V^{(2,1),(2,2)} \oplus 3V^{(2,1),(4,1)} \oplus 3V^{(2,1),(3,2)} \oplus 24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(3)} \oplus 22V^{(1,1,1),(2,1)} \oplus 10V^{(1,1,1),(4)} \oplus 12V^{(1,1,1),(3,1)} \oplus 10V^{(1,1,1),(2,2)} \oplus 2V^{(1,1,1),(4,1)} \oplus 2V^{(1,1,1),(3,2)} \oplus 18V^{(2,2),(2)} \oplus 18V^{(2,2),(1,1)} \oplus 12V^{(2,2),(3)} \oplus$

Table 81: Table for $\lambda = (2,2,2)$, $\mu = (4,1,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1042V^{\varnothing,\varnothing} \oplus 74V^{\varnothing,(1)} \oplus 89V^{(1),\varnothing}$
$k = 10: \quad 1782V^{\varnothing,\varnothing} \oplus 1062V^{\varnothing,(1)} \oplus 31V^{\varnothing,(2)} \oplus 29V^{\varnothing,(1,1)} \oplus 1074V^{(1),\varnothing} \oplus 221V^{(1),(1)} \oplus 30V^{(2),\varnothing} \oplus 31V^{(1,1),\varnothing}$
$k = 9: \quad 1410V^{\varnothing,\varnothing} \oplus 1564V^{\varnothing,(1)} \oplus 418V^{\varnothing,(2)} \oplus 378V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1688V^{(1),\varnothing} \oplus 1460V^{(1),(1)} \oplus 65V^{(1),(2)} \oplus 61V^{(1),(1,1)} \oplus 308V^{(2),\varnothing} \oplus 81V^{(2),(1)} \oplus 412V^{(1,1),\varnothing} \oplus 83V^{(1,1),(1)} \oplus 10V^{(2,1),\varnothing} \oplus 9V^{(1,1,1),\varnothing}$
$k = 8: \quad 698V^{\varnothing,\varnothing} \oplus 984V^{\varnothing,(1)} \oplus 498V^{\varnothing,(2)} \oplus 462V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(3)} \oplus 164V^{\varnothing,(2,1)} \oplus 92V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 1296V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 564V^{(1),(2)} \oplus 532V^{(1),(1,1)} \oplus 25V^{(1),(3)} \oplus 25V^{(1),(2,1)} \oplus 19V^{(1),(1,1,1)} \oplus 402V^{(2),\varnothing} \oplus 472V^{(2),(1)} \oplus 51V^{(2),(2)} \oplus 47V^{(2),(1,1)} \oplus 552V^{(1,1),\varnothing} \oplus 552V^{(1,1),(1)} \oplus 53V^{(1,1),(2)} \oplus 49V^{(1,1),(1,1)} \oplus 164V^{(2,1),\varnothing} \oplus 29V^{(2,1),(1)} \oplus 112V^{(1,1,1),\varnothing} \oplus 27V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(3)} \oplus 130V^{\varnothing,(2,1)} \oplus 80V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(4)} \oplus 62V^{\varnothing,(3,1)} \oplus 36V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(4)} \oplus 9V^{(1),(3,1)} \oplus 7V^{(1),(2,1,1)} \oplus 240V^{(2),\varnothing} \oplus 630V^{(2),(1)} \oplus 192V^{(2),(2)} \oplus 176V^{(2),(1,1)} \oplus 17V^{(2),(3)} \oplus 17V^{(2),(2,1)} \oplus 12V^{(2),(1,1,1)} \oplus 320V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 224V^{(1,1),(2)} \oplus 208V^{(1,1),(1,1)} \oplus 19V^{(1,1),(3)} \oplus 19V^{(1,1),(2,1)} \oplus 13V^{(1,1),(1,1,1)} \oplus 160V^{(2,1),\varnothing} \oplus 208V^{(2,1),(1)} \oplus 23V^{(2,1),(2)} \oplus 21V^{(2,1),(1,1)} \oplus 110V^{(1,1,1),\varnothing} \oplus 168V^{(1,1,1),(1)} \oplus 21V^{(1,1,1),(2)} \oplus 19V^{(1,1,1),(1,1)} \oplus 46V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus 46V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(4)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 5V^{\varnothing,(4,1)} \oplus 5V^{\varnothing,(3,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,1,1)} \oplus 70V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 222V^{(2),(2)} \oplus 214V^{(2),(1,1)} \oplus 72V^{(2),(3)} \oplus 72V^{(2),(2,1)} \oplus 56V^{(2),(1,1,1)} \oplus 6V^{(2),(4)} \oplus 7V^{(2),(3,1)} \oplus 6V^{(2),(2,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 250V^{(1,1),(1,1)} \oplus 88V^{(1,1),(3)} \oplus 88V^{(1,1),(2,1)} \oplus 64V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(4)} \oplus 9V^{(1,1),(3,1)} \oplus 7V^{(1,1),(2,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 84V^{(2,1),(2)} \oplus 80V^{(2,1),(1,1)} \oplus 15V^{(2,1),(3)} \oplus 15V^{(2,1),(2,1)} \oplus 11V^{(2,1),(1,1,1)} \oplus 40V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 68V^{(1,1,1),(2)} \oplus 64V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(3)} \oplus 13V^{(1,1,1),(2,1)} \oplus 10V^{(1,1,1),(1,1,1)} \oplus 20V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 9V^{(2,2),(2)} \oplus 7V^{(2,2),(1,1)} \oplus 20V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 7V^{(2,1,1),(1,1)} \oplus 10V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,1,1)} \oplus V^{(1),(4,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 60V^{(2),(1,1,1)} \oplus 24V^{(2),(4)} \oplus 28V^{(2),(3,1)} \oplus 24V^{(2),(2,1,1)} \oplus 2V^{(2),(4,1)} \oplus 2V^{(2),(3,1,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(4)} \oplus 36V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(4,1)} \oplus 3V^{(1,1),(3,1,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 36V^{(2,1),(3)} \oplus 36V^{(2,1),(2,1)} \oplus 26V^{(2,1),(1,1,1)} \oplus 5V^{(2,1),(4)} \oplus 7V^{(2,1),(3,1)} \oplus 5V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(3)} \oplus 28V^{(1,1,1),(2,1)} \oplus 22V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(4)} \oplus 5V^{(1,1,1),(3,1)} \oplus 4V^{(1,1,1),(2,1,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 7V^{(2,2),(3)} \oplus 7V^{(2,2),(2,1)} \oplus 4V^{(2,2),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 7V^{(2,1,1),(3)} \oplus 7V^{(2,1,1),(2,1)} \oplus 4V^{(2,1,1),(1,1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 3V^{(2,2,1),(2)} \oplus 3V^{(2,2,1),(1,1)} \oplus V^{(2,2,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(4,1)} \oplus 10V^{(2),(3,1,1)} \oplus V^{(2),(4,1,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(4)} \oplus$

Table 82: Table for $\lambda = (2,2,2)$, $\mu = (3,3)$:

$k = 12: \quad 11V^{\varnothing,\varnothing}$
$k = 11: \quad 981V^{\varnothing,\varnothing} \oplus 54V^{\varnothing,(1)} \oplus 54V^{(1),\varnothing}$
$k = 10: \quad 1704V^{\varnothing,\varnothing} \oplus 916V^{\varnothing,(1)} \oplus 24V^{\varnothing,(2)} \oplus 23V^{\varnothing,(1,1)} \oplus 916V^{(1),\varnothing} \oplus 181V^{(1),(1)} \oplus 23V^{(2),\varnothing} \oplus 24V^{(1,1),\varnothing}$
$k = 9: \quad 1329V^{\varnothing,\varnothing} \oplus 1426V^{\varnothing,(1)} \oplus 358V^{\varnothing,(2)} \oplus 254V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(3)} \oplus 9V^{\varnothing,(2,1)} \oplus 1426V^{(1),\varnothing} \oplus 1324V^{(1),(1)} \oplus 49V^{(1),(2)} \oplus 47V^{(1),(1,1)} \oplus 254V^{(2),\varnothing} \oplus 47V^{(2),(1)} \oplus 358V^{(1,1),\varnothing} \oplus 49V^{(1,1),(1)} \oplus 9V^{(2,1),\varnothing} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8:$ $673V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 462V^{\varnothing,(2)} \oplus 312V^{\varnothing,(1,1)} \oplus 92V^{\varnothing,(3)} \oplus 144V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 936V^{(1),\varnothing} \oplus 2090V^{(1),(1)} \oplus 508V^{(1),(2)} \oplus 428V^{(1),(1,1)} \oplus 19V^{(1),(3)} \oplus 21V^{(1),(2,1)} \oplus 312V^{(2),\varnothing} \oplus 428V^{(2),(1)} \oplus 41V^{(2),(2)} \oplus 40V^{(2),(1,1)} \oplus 462V^{(1,1),\varnothing} \oplus 508V^{(1,1),(1)} \oplus 43V^{(1,1),(2)} \oplus 41V^{(1,1),(1,1)} \oplus 144V^{(2,1),\varnothing} \oplus 21V^{(2,1),(1)} \oplus 92V^{(1,1,1),\varnothing} \oplus 19V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 140V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(3)} \oplus 130V^{\varnothing,(2,1)} \oplus 36V^{\varnothing,(3,1)} \oplus 36V^{\varnothing,(2,2)} \oplus V^{\varnothing,(3,2)} \oplus 365V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 606V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 200V^{(1),(2,1)} \oplus 7V^{(1),(3,1)} \oplus 7V^{(1),(2,2)} \oplus 140V^{(2),\varnothing} \oplus 606V^{(2),(1)} \oplus 170V^{(2),(2)} \oplus 154V^{(2),(1,1)} \oplus 12V^{(2),(3)} \oplus 13V^{(2),(2,1)} \oplus 220V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 202V^{(1,1),(2)} \oplus 170V^{(1,1),(1,1)} \oplus 13V^{(1,1),(3)} \oplus 15V^{(1,1),(2,1)} \oplus 130V^{(2,1),\varnothing} \oplus 200V^{(2,1),(1)} \oplus 15V^{(2,1),(2)} \oplus 13V^{(2,1),(1,1)} \oplus 80V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 13V^{(1,1,1),(2)} \oplus 12V^{(1,1,1),(1,1)} \oplus 36V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus 36V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 5V^{\varnothing,(3,2)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(3,2)} \oplus 25V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 214V^{(2),(2)} \oplus 196V^{(2),(1,1)} \oplus 56V^{(2),(3)} \oplus 64V^{(2),(2,1)} \oplus 6V^{(2),(3,1)} \oplus 6V^{(2),(2,2)} \oplus 25V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 250V^{(1,1),(2)} \oplus 214V^{(1,1),(1,1)} \oplus 64V^{(1,1),(3)} \oplus 80V^{(1,1),(2,1)} \oplus 7V^{(1,1),(3,1)} \oplus 7V^{(1,1),(2,2)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 80V^{(2,1),(2)} \oplus 64V^{(2,1),(1,1)} \oplus 11V^{(2,1),(3)} \oplus 13V^{(2,1),(2,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus 56V^{(1,1,1),(1,1)} \oplus 10V^{(1,1,1),(3)} \oplus 11V^{(1,1,1),(2,1)} \oplus 10V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 7V^{(2,2),(2)} \oplus 6V^{(2,2),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 7V^{(2,1,1),(2)} \oplus 6V^{(2,1,1),(1,1)} \oplus 5V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(3,3)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 102V^{(2),(1,1)} \oplus 60V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 24V^{(2),(3,1)} \oplus 24V^{(2),(2,2)} \oplus 2V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 28V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,2)} \oplus 3V^{(1,1),(3,2)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 26V^{(2,1),(3)} \oplus 34V^{(2,1),(2,1)} \oplus 5V^{(2,1),(3,1)} \oplus 5V^{(2,1),(2,2)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 60V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(3)} \oplus 26V^{(1,1,1),(2,1)} \oplus 4V^{(1,1,1),(3,1)} \oplus 4V^{(1,1,1),(2,2)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 24V^{(2,2),(1,1)} \oplus 4V^{(2,2),(3)} \oplus 5V^{(2,2),(2,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 24V^{(2,1,1),(1,1)} \oplus 4V^{(2,1,1),(3)} \oplus 5V^{(2,1,1),(2,1)} \oplus 26V^{(2,2,1),(1)} \oplus 3V^{(2,2,1),(2)} \oplus 2V^{(2,2,1),(1,1)} \oplus V^{(2,2,2),(1)}$
$k = 4:$ $24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(3,3)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus 10V^{(1,1),(3,2)} \oplus V^{(1,1),(3,3)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(3)} \oplus 26V^{(2,1),(2,1)} \oplus 12V^{(2,1),(3,1)} \oplus 12V^{(2,1),(2,2)} \oplus 3V^{(2,1),(3,2)} \oplus 24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 20V^{(1,1,1),(3)} \oplus 22V^{(1,1,1),(2,1)} \oplus 10V^{(1,1,1),(3,1)} \oplus 10V^{(1,1,1),(2,2)} \oplus 2V^{(1,1,1),(3,2)} \oplus 18V^{(2,2),(2)} \oplus 18V^{(2,2),(1,1)} \oplus 10V^{(2,2),(3)} \oplus 12V^{(2,2),(2,1)} \oplus 4V^{(2,2),(3,1)} \oplus 4V^{(2,2),(2,2)} \oplus 18V^{(2,1,1),(2)} \oplus 18V^{(2,1,1),(1,1)} \oplus 10V^{(2,1,1),(3)} \oplus 12V^{(2,1,1),(2,1)} \oplus 4V^{(2,1,1),(3,1)} \oplus 4V^{(2,1,1),(2,2)} \oplus 10V^{(2,2,1),(2)} \oplus 10V^{(2,2,1),(1,1)} \oplus 2V^{(2,2,1),(3)} \oplus 3V^{(2,2,1),(2,1)} \oplus V^{(2,2,2),(2)} \oplus V^{(2,2,2),(1,1)}$

Table 83: Table for $\lambda = (2,2,2)$, $\mu = (3,2,1)$:

$k = 12: \quad 46V^{\varnothing,\varnothing}$
$k = 11: \quad 1113V^{\varnothing,\varnothing} \oplus 87V^{\varnothing,(1)} \oplus 126V^{(1),\varnothing}$
$k = 10: \quad 1850V^{\varnothing,\varnothing} \oplus 1088V^{\varnothing,(1)} \oplus 36V^{\varnothing,(2)} \oplus 36V^{\varnothing,(1,1)} \oplus 1236V^{(1),\varnothing} \oplus 245V^{(1),(1)} \oplus 33V^{(2),\varnothing} \oplus 34V^{(1,1),\varnothing}$
$k = 9: \quad 1470V^{\varnothing,\varnothing} \oplus 1564V^{\varnothing,(1)} \oplus 438V^{\varnothing,(2)} \oplus 438V^{\varnothing,(1,1)} \oplus 10V^{\varnothing,(3)} \oplus 14V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(1,1,1)} \oplus 1988V^{(1),\varnothing} \oplus 1484V^{(1),(1)} \oplus 77V^{(1),(2)} \oplus 77V^{(1),(1,1)} \oplus 368V^{(2),\varnothing} \oplus 105V^{(2),(1)} \oplus 472V^{(1,1),\varnothing} \oplus 107V^{(1,1),(1)} \oplus 10V^{(2,1),\varnothing} \oplus 9V^{(1,1,1),\varnothing}$
$k = 8: \quad 808V^{\varnothing,\varnothing} \oplus 984V^{\varnothing,(1)} \oplus 498V^{\varnothing,(2)} \oplus 498V^{\varnothing,(1,1)} \oplus 112V^{\varnothing,(3)} \oplus 236V^{\varnothing,(2,1)} \oplus 112V^{\varnothing,(1,1,1)} \oplus 4V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 1632V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 588V^{(1),(2)} \oplus 588V^{(1),(1,1)} \oplus 23V^{(1),(3)} \oplus 31V^{(1),(2,1)} \oplus 23V^{(1),(1,1,1)} \oplus 510V^{(2),\varnothing} \oplus 472V^{(2),(1)} \oplus 57V^{(2),(2)} \oplus 57V^{(2),(1,1)} \oplus 660V^{(1,1),\varnothing} \oplus 552V^{(1,1),(1)} \oplus 59V^{(1,1),(2)} \oplus 59V^{(1,1),(1,1)} \oplus 188V^{(2,1),\varnothing} \oplus 29V^{(2,1),(1)} \oplus 136V^{(1,1,1),\varnothing} \oplus 27V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 200V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(3)} \oplus 180V^{\varnothing,(2,1)} \oplus 80V^{\varnothing,(1,1,1)} \oplus 62V^{\varnothing,(3,1)} \oplus 62V^{\varnothing,(2,2)} \oplus 62V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(3,2)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 880V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 176V^{(1),(3)} \oplus 272V^{(1),(2,1)} \oplus 176V^{(1),(1,1,1)} \oplus 9V^{(1),(3,1)} \oplus 9V^{(1),(2,2)} \oplus 9V^{(1),(2,1,1)} \oplus 336V^{(2),\varnothing} \oplus 630V^{(2),(1)} \oplus 198V^{(2),(2)} \oplus 198V^{(2),(1,1)} \oplus 16V^{(2),(3)} \oplus 22V^{(2),(2,1)} \oplus 16V^{(2),(1,1,1)} \oplus 416V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 230V^{(1,1),(2)} \oplus 230V^{(1,1),(1,1)} \oplus 17V^{(1,1),(3)} \oplus 25V^{(1,1),(2,1)} \oplus 17V^{(1,1),(1,1,1)} \oplus 196V^{(2,1),\varnothing} \oplus 208V^{(2,1),(1)} \oplus 29V^{(2,1),(2)} \oplus 29V^{(2,1),(1,1)} \oplus 146V^{(1,1,1),\varnothing} \oplus 168V^{(1,1,1),(1)} \oplus 27V^{(1,1,1),(2)} \oplus 27V^{(1,1,1),(1,1)} \oplus 58V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus 58V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 5V^{\varnothing,(3,2)} \oplus 5V^{\varnothing,(3,1,1)} \oplus 5V^{\varnothing,(2,2,1)} \oplus 256V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 258V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 92V^{(1),(3,1)} \oplus 92V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 3V^{(1),(3,2)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 128V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 222V^{(2),(2)} \oplus 222V^{(2),(1,1)} \oplus 64V^{(2),(3)} \oplus 88V^{(2),(2,1)} \oplus 64V^{(2),(1,1,1)} \oplus 7V^{(2),(3,1)} \oplus 7V^{(2),(2,2)} \oplus 7V^{(2),(2,1,1)} \oplus 128V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 72V^{(1,1),(3)} \oplus 112V^{(1,1),(2,1)} \oplus 72V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(3,1)} \oplus 9V^{(1,1),(2,2)} \oplus 9V^{(1,1),(2,1,1)} \oplus 64V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 84V^{(2,1),(2)} \oplus 84V^{(2,1),(1,1)} \oplus 13V^{(2,1),(3)} \oplus 19V^{(2,1),(2,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus 64V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 68V^{(1,1,1),(2)} \oplus 68V^{(1,1,1),(1,1)} \oplus 12V^{(1,1,1),(3)} \oplus 16V^{(1,1,1),(2,1)} \oplus 12V^{(1,1,1),(1,1,1)} \oplus 32V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 9V^{(2,2),(2)} \oplus 9V^{(2,2),(1,1)} \oplus 32V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 16V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(3,2)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(3,2,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 60V^{(2),(3)} \oplus 72V^{(2),(2,1)} \oplus 60V^{(2),(1,1,1)} \oplus 28V^{(2),(3,1)} \oplus 28V^{(2),(2,2)} \oplus 28V^{(2),(2,1,1)} \oplus 2V^{(2),(3,2)} \oplus 2V^{(2),(3,1,1)} \oplus 2V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 90V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 36V^{(1,1),(3,1)} \oplus 36V^{(1,1),(2,2)} \oplus 36V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(3,2)} \oplus 3V^{(1,1),(3,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 28V^{(2,1),(3)} \oplus 46V^{(2,1),(2,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(3,1)} \oplus 7V^{(2,1),(2,2)} \oplus 7V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 24V^{(1,1,1),(3)} \oplus 34V^{(1,1,1),(2,1)} \oplus 24V^{(1,1,1),(1,1,1)} \oplus 5V^{(1,1,1),(3,1)} \oplus 5V^{(1,1,1),(2,2)} \oplus 5V^{(1,1,1),(2,1,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 6V^{(2,2),(3)} \oplus 10V^{(2,2),(2,1)} \oplus 6V^{(2,2),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 6V^{(2,1,1),(3)} \oplus 10V^{(2,1,1),(2,1)} \oplus 6V^{(2,1,1),(1,1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 3V^{(2,2,1),(2)} \oplus 3V^{(2,2,1),(1,1)} \oplus V^{(2,2,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(3,2)} \oplus 10V^{(2),(3,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus V^{(2),(3,2,1)} \oplus$

Table 84: Table for $\lambda = (2,2,2)$, $\mu = (3,1,1,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1042V^{\varnothing,\varnothing} \oplus 74V^{\varnothing,(1)} \oplus 89V^{(1),\varnothing}$
$k = 10: \quad 1782V^{\varnothing,\varnothing} \oplus 1062V^{\varnothing,(1)} \oplus 29V^{\varnothing,(2)} \oplus 31V^{\varnothing,(1,1)} \oplus 1074V^{(1),\varnothing} \oplus 221V^{(1),(1)} \oplus 30V^{(2),\varnothing} \oplus 31V^{(1,1),\varnothing}$
$k = 9: \quad 1410V^{\varnothing,\varnothing} \oplus 1564V^{\varnothing,(1)} \oplus 378V^{\varnothing,(2)} \oplus 418V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1688V^{(1),\varnothing} \oplus 1460V^{(1),(1)} \oplus 61V^{(1),(2)} \oplus 65V^{(1),(1,1)} \oplus 308V^{(2),\varnothing} \oplus 81V^{(2),(1)} \oplus 412V^{(1,1),\varnothing} \oplus 83V^{(1,1),(1)} \oplus 10V^{(2,1),\varnothing} \oplus 9V^{(1,1,1),\varnothing}$
$k = 8:$ $698V^{\varnothing,\varnothing} \oplus 984V^{\varnothing,(1)} \oplus 462V^{\varnothing,(2)} \oplus 498V^{\varnothing,(1,1)} \oplus 92V^{\varnothing,(3)} \oplus 164V^{\varnothing,(2,1)} \oplus 164V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1296V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 532V^{(1),(2)} \oplus 564V^{(1),(1,1)} \oplus 19V^{(1),(3)} \oplus 25V^{(1),(2,1)} \oplus 25V^{(1),(1,1,1)} \oplus 402V^{(2),\varnothing} \oplus 472V^{(2),(1)} \oplus 47V^{(2),(2)} \oplus 51V^{(2),(1,1)} \oplus 552V^{(1,1),\varnothing} \oplus 552V^{(1,1),(1)} \oplus 49V^{(1,1),(2)} \oplus 53V^{(1,1),(1,1)} \oplus 164V^{(2,1),\varnothing} \oplus 29V^{(2,1),(1)} \oplus 112V^{(1,1,1),\varnothing} \oplus 27V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(3)} \oplus 130V^{\varnothing,(2,1)} \oplus 130V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(3,1)} \oplus 62V^{\varnothing,(2,1,1)} \oplus 36V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(3,1)} \oplus 9V^{(1),(2,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus 240V^{(2),\varnothing} \oplus 630V^{(2),(1)} \oplus 176V^{(2),(2)} \oplus 192V^{(2),(1,1)} \oplus 12V^{(2),(3)} \oplus 17V^{(2),(2,1)} \oplus 17V^{(2),(1,1,1)} \oplus 320V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 208V^{(1,1),(2)} \oplus 224V^{(1,1),(1,1)} \oplus 13V^{(1,1),(3)} \oplus 19V^{(1,1),(2,1)} \oplus 19V^{(1,1),(1,1,1)} \oplus 160V^{(2,1),\varnothing} \oplus 208V^{(2,1),(1)} \oplus 21V^{(2,1),(2)} \oplus 23V^{(2,1),(1,1)} \oplus 110V^{(1,1,1),\varnothing} \oplus 168V^{(1,1,1),(1)} \oplus 19V^{(1,1,1),(2)} \oplus 21V^{(1,1,1),(1,1)} \oplus 46V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus 46V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus V^{(2,2,1),\varnothing}$
$k = 6:$ $25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(1,1,1,1)} \oplus 5V^{\varnothing,(3,1,1)} \oplus 5V^{\varnothing,(2,1,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(3,1)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 70V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 214V^{(2),(2)} \oplus 222V^{(2),(1,1)} \oplus 56V^{(2),(3)} \oplus 72V^{(2),(2,1)} \oplus 72V^{(2),(1,1,1)} \oplus 6V^{(2),(3,1)} \oplus 7V^{(2),(2,1,1)} \oplus 6V^{(2),(1,1,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 250V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 64V^{(1,1),(3)} \oplus 88V^{(1,1),(2,1)} \oplus 88V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(3,1)} \oplus 9V^{(1,1),(2,1,1)} \oplus 7V^{(1,1),(1,1,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 80V^{(2,1),(2)} \oplus 84V^{(2,1),(1,1)} \oplus 11V^{(2,1),(3)} \oplus 15V^{(2,1),(2,1)} \oplus 15V^{(2,1),(1,1,1)} \oplus 40V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus 68V^{(1,1,1),(1,1)} \oplus 10V^{(1,1,1),(3)} \oplus 13V^{(1,1,1),(2,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus 20V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 7V^{(2,2),(2)} \oplus 9V^{(2,2),(1,1)} \oplus 20V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 7V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 10V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(3,1,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 60V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 24V^{(2),(3,1)} \oplus 28V^{(2),(2,1,1)} \oplus 24V^{(2),(1,1,1,1)} \oplus 2V^{(2),(3,1,1)} \oplus 2V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(3,1)} \oplus 36V^{(1,1),(2,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(3,1,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 26V^{(2,1),(3)} \oplus 36V^{(2,1),(2,1)} \oplus 36V^{(2,1),(1,1,1)} \oplus 5V^{(2,1),(3,1)} \oplus 7V^{(2,1),(2,1,1)} \oplus 5V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(3)} \oplus 28V^{(1,1,1),(2,1)} \oplus 28V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(3,1)} \oplus 5V^{(1,1,1),(2,1,1)} \oplus 4V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 4V^{(2,2),(3)} \oplus 7V^{(2,2),(2,1)} \oplus 7V^{(2,2),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 4V^{(2,1,1),(3)} \oplus 7V^{(2,1,1),(2,1)} \oplus 7V^{(2,1,1),(1,1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 3V^{(2,2,1),(2)} \oplus 3V^{(2,2,1),(1,1)} \oplus V^{(2,2,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus$

Table 85: Table for $\lambda = (2,2,2)$, $\mu = (2,2,2)$:

$k = 12: \quad 71V^{\varnothing,\varnothing}$
$k = 11: \quad 1058V^{\varnothing,\varnothing} \oplus 54V^{\varnothing,(1)} \oplus 54V^{(1),\varnothing}$
$k = 10: \quad 1740V^{\varnothing,\varnothing} \oplus 916V^{\varnothing,(1)} \oplus 23V^{\varnothing,(2)} \oplus 24V^{\varnothing,(1,1)} \oplus 916V^{(1),\varnothing} \oplus 181V^{(1),(1)} \oplus 23V^{(2),\varnothing} \oplus 24V^{(1,1),\varnothing}$
$k = 9: \quad 1360V^{\varnothing,\varnothing} \oplus 1426V^{\varnothing,(1)} \oplus 254V^{\varnothing,(2)} \oplus 358V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(2,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1426V^{(1),\varnothing} \oplus 1324V^{(1),(1)} \oplus 47V^{(1),(2)} \oplus 49V^{(1),(1,1)} \oplus 254V^{(2),\varnothing} \oplus 47V^{(2),(1)} \oplus 358V^{(1,1),\varnothing} \oplus 49V^{(1,1),(1)} \oplus 9V^{(2,1),\varnothing} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8: \quad 698V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 312V^{\varnothing,(2)} \oplus 462V^{\varnothing,(1,1)} \oplus 144V^{\varnothing,(2,1)} \oplus 92V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 936V^{(1),\varnothing} \oplus 2090V^{(1),(1)} \oplus 428V^{(1),(2)} \oplus 508V^{(1),(1,1)} \oplus 21V^{(1),(2,1)} \oplus 19V^{(1),(1,1,1)} \oplus 312V^{(2),\varnothing} \oplus 428V^{(2),(1)} \oplus 40V^{(2),(2)} \oplus 41V^{(2),(1,1)} \oplus 462V^{(1,1),\varnothing} \oplus 508V^{(1,1),(1)} \oplus 41V^{(1,1),(2)} \oplus 43V^{(1,1),(1,1)} \oplus 144V^{(2,1),\varnothing} \oplus 21V^{(2,1),(1)} \oplus 92V^{(1,1,1),\varnothing} \oplus 19V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 145V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 140V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(2,1)} \oplus 80V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(2,2)} \oplus 36V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 365V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 606V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 200V^{(1),(2,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(2,2)} \oplus 7V^{(1),(2,1,1)} \oplus 140V^{(2),\varnothing} \oplus 606V^{(2),(1)} \oplus 154V^{(2),(2)} \oplus 170V^{(2),(1,1)} \oplus 13V^{(2),(2,1)} \oplus 12V^{(2),(1,1,1)} \oplus 220V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 170V^{(1,1),(2)} \oplus 202V^{(1,1),(1,1)} \oplus 15V^{(1,1),(2,1)} \oplus 13V^{(1,1),(1,1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 200V^{(2,1),(1)} \oplus 13V^{(2,1),(2)} \oplus 15V^{(2,1),(1,1)} \oplus 80V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 12V^{(1,1,1),(2)} \oplus 13V^{(1,1,1),(1,1)} \oplus 36V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus 36V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,\varnothing} \oplus 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 5V^{\varnothing,(2,2,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 25V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 196V^{(2),(2)} \oplus 214V^{(2),(1,1)} \oplus 64V^{(2),(2,1)} \oplus 56V^{(2),(1,1,1)} \oplus 6V^{(2),(2,2)} \oplus 6V^{(2),(2,1,1)} \oplus 25V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 214V^{(1,1),(2)} \oplus 250V^{(1,1),(1,1)} \oplus 80V^{(1,1),(2,1)} \oplus 64V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(2,2)} \oplus 7V^{(1,1),(2,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 80V^{(2,1),(1,1)} \oplus 13V^{(2,1),(2,1)} \oplus 11V^{(2,1),(1,1,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 56V^{(1,1,1),(2)} \oplus 64V^{(1,1,1),(1,1)} \oplus 11V^{(1,1,1),(2,1)} \oplus 10V^{(1,1,1),(1,1,1)} \oplus 10V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 6V^{(2,2),(2)} \oplus 7V^{(2,2),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 6V^{(2,1,1),(2)} \oplus 7V^{(2,1,1),(1,1)} \oplus 5V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(2,2,2)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(2,1)} \oplus 60V^{(2),(1,1,1)} \oplus 24V^{(2),(2,2)} \oplus 24V^{(2),(2,1,1)} \oplus 2V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,2)} \oplus 28V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 34V^{(2,1),(2,1)} \oplus 26V^{(2,1),(1,1,1)} \oplus 5V^{(2,1),(2,2)} \oplus 5V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 26V^{(1,1,1),(2,1)} \oplus 22V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(2,2)} \oplus 4V^{(1,1,1),(2,1,1)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 5V^{(2,2),(2,1)} \oplus 4V^{(2,2),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 24V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 5V^{(2,1,1),(2,1)} \oplus 4V^{(2,1,1),(1,1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 2V^{(2,2,1),(2)} \oplus 3V^{(2,2,1),(1,1)} \oplus V^{(2,2,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus V^{(2),(2,2,2)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,2)} \oplus 18V^{(1,1),(2,1,1)} \oplus 10V^{(1,1),(2,2,1)} \oplus V^{(1,1),(2,2,2)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 26V^{(2,1),(2,1)} \oplus 22V^{(2,1),(1,1,1)} \oplus 12V^{(2,1),(2,2)} \oplus 12V^{(2,1),(2,1,1)} \oplus 3V^{(2,1),(2,2,1)} \oplus 24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(2,1)} \oplus 20V^{(1,1,1),(1,1,1)} \oplus 10V^{(1,1,1),(2,2)} \oplus 10V^{(1,1,1),(2,1,1)} \oplus 2V^{(1,1,1),(2,2,1)} \oplus 18V^{(2,2),(2)} \oplus 18V^{(2,2),(1,1)} \oplus 12V^{(2,2),(2,1)} \oplus 10V^{(2,2),(1,1,1)} \oplus 4V^{(2,2),(2,2)} \oplus 4V^{(2,2),(2,1,1)} \oplus 18V^{(2,1,1),(2)} \oplus 18V^{(2,1,1),(1,1)} \oplus 12V^{(2,1,1),(2,1)} \oplus 10V^{(2,1,1),(1,1,1)} \oplus 4V^{(2,1,1),(2,2)} \oplus 4V^{(2,1,1),(2,1,1)} \oplus$

Table 86: Table for $\lambda = (2,2,2)$, $\mu = (2,2,1,1)$:

$k = 12: \quad 46V^{\varnothing,\varnothing}$
$k = 11: \quad 1078V^{\varnothing,\varnothing} \oplus 72V^{\varnothing,(1)} \oplus 71V^{(1),\varnothing}$
$k = 10: \quad 1780V^{\varnothing,\varnothing} \oplus 982V^{\varnothing,(1)} \oplus 28V^{\varnothing,(2)} \oplus 31V^{\varnothing,(1,1)} \oplus 1022V^{(1),\varnothing} \oplus 217V^{(1),(1)} \oplus 24V^{(2),\varnothing} \oplus 25V^{(1,1),\varnothing}$
$k = 9: \quad 1400V^{\varnothing,\varnothing} \oplus 1456V^{\varnothing,(1)} \oplus 274V^{\varnothing,(2)} \oplus 418V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1626V^{(1),\varnothing} \oplus 1396V^{(1),(1)} \oplus 59V^{(1),(2)} \oplus 65V^{(1),(1,1)} \oplus 294V^{(2),\varnothing} \oplus 77V^{(2),(1)} \oplus 398V^{(1,1),\varnothing} \oplus 79V^{(1,1),(1)} \oplus 9V^{(2,1),\varnothing} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8: \quad 738V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 312V^{\varnothing,(2)} \oplus 498V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(2,1)} \oplus 164V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1096V^{(1),\varnothing} \oplus 2114V^{(1),(1)} \oplus 452V^{(1),(2)} \oplus 564V^{(1),(1,1)} \oplus 25V^{(1),(2,1)} \oplus 25V^{(1),(1,1,1)} \oplus 384V^{(2),\varnothing} \oplus 440V^{(2),(1)} \oplus 46V^{(2),(2)} \oplus 51V^{(2),(1,1)} \oplus 534V^{(1,1),\varnothing} \oplus 520V^{(1,1),(1)} \oplus 47V^{(1,1),(2)} \oplus 53V^{(1,1),(1,1)} \oplus 160V^{(2,1),\varnothing} \oplus 27V^{(2,1),(1)} \oplus 108V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 165V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 140V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(2,1)} \oplus 130V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(2,2)} \oplus 62V^{\varnothing,(2,1,1)} \oplus 36V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 510V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 606V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 216V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(2,2)} \oplus 9V^{(1),(2,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus 188V^{(2),\varnothing} \oplus 606V^{(2),(1)} \oplus 160V^{(2),(2)} \oplus 192V^{(2),(1,1)} \oplus 17V^{(2),(2,1)} \oplus 17V^{(2),(1,1,1)} \oplus 268V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 176V^{(1,1),(2)} \oplus 224V^{(1,1),(1,1)} \oplus 19V^{(1,1),(2,1)} \oplus 19V^{(1,1),(1,1,1)} \oplus 154V^{(2,1),\varnothing} \oplus 200V^{(2,1),(1)} \oplus 19V^{(2,1),(2)} \oplus 23V^{(2,1),(1,1)} \oplus 104V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 18V^{(1,1,1),(2)} \oplus 21V^{(1,1,1),(1,1)} \oplus 44V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus 44V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus V^{(2,2,1),\varnothing}$
$k = 6:$ $25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(1,1,1,1)} \oplus 5V^{\varnothing,(2,2,1)} \oplus 5V^{\varnothing,(2,1,1,1)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 54V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 196V^{(2),(2)} \oplus 222V^{(2),(1,1)} \oplus 72V^{(2),(2,1)} \oplus 72V^{(2),(1,1,1)} \oplus 6V^{(2),(2,2)} \oplus 7V^{(2),(2,1,1)} \oplus 6V^{(2),(1,1,1,1)} \oplus 54V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 214V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 88V^{(1,1),(2,1)} \oplus 88V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(2,2)} \oplus 9V^{(1,1),(2,1,1)} \oplus 7V^{(1,1),(1,1,1,1)} \oplus 27V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 84V^{(2,1),(1,1)} \oplus 15V^{(2,1),(2,1)} \oplus 15V^{(2,1),(1,1,1)} \oplus 27V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 56V^{(1,1,1),(2)} \oplus 68V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(2,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus 18V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 6V^{(2,2),(2)} \oplus 9V^{(2,2),(1,1)} \oplus 18V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 6V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 9V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(2,2,1,1)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 24V^{(2),(2,2)} \oplus 28V^{(2),(2,1,1)} \oplus 24V^{(2),(1,1,1,1)} \oplus 2V^{(2),(2,2,1)} \oplus 2V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,2)} \oplus 36V^{(1,1),(2,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 36V^{(2,1),(2,1)} \oplus 36V^{(2,1),(1,1,1)} \oplus 5V^{(2,1),(2,2)} \oplus 7V^{(2,1),(2,1,1)} \oplus 5V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(2,1)} \oplus 28V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(2,2)} \oplus 5V^{(1,1,1),(2,1,1)} \oplus 4V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 7V^{(2,2),(2,1)} \oplus 7V^{(2,2),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 24V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 7V^{(2,1,1),(2,1)} \oplus 7V^{(2,1,1),(1,1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 2V^{(2,2,1),(2)} \oplus 3V^{(2,2,1),(1,1)} \oplus V^{(2,2,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus 10V^{(2),(2,1,1,1)} \oplus V^{(2),(2,2,1,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,2)} \oplus 18V^{(1,1),(2,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(2,2,1)} \oplus 10V^{(1,1),(2,1,1,1)} \oplus V^{(1,1),(2,2,1,1)} \oplus 24V^{(2,1),(2)} \oplus$

Table 87: Table for $\lambda = (2,2,2)$, $\mu = (2,1,1,1,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1017V^{\varnothing,\varnothing} \oplus 67V^{\varnothing,(1)} \oplus 43V^{(1),\varnothing}$
$k = 10: \quad 1732V^{\varnothing,\varnothing} \oplus 942V^{\varnothing,(1)} \oplus 21V^{\varnothing,(2)} \oplus 29V^{\varnothing,(1,1)} \oplus 910V^{(1),\varnothing} \oplus 205V^{(1),(1)} \oplus 20V^{(2),\varnothing} \oplus 21V^{(1,1),\varnothing}$
$k = 9: \quad 1360V^{\varnothing,\varnothing} \oplus 1426V^{\varnothing,(1)} \oplus 214V^{\varnothing,(2)} \oplus 378V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1426V^{(1),\varnothing} \oplus 1348V^{(1),(1)} \oplus 43V^{(1),(2)} \oplus 61V^{(1),(1,1)} \oplus 254V^{(2),\varnothing} \oplus 71V^{(2),(1)} \oplus 358V^{(1,1),\varnothing} \oplus 73V^{(1,1),(1)} \oplus 9V^{(2,1),\varnothing} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8: \quad 673V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 276V^{\varnothing,(2)} \oplus 462V^{\varnothing,(1,1)} \oplus 92V^{\varnothing,(2,1)} \oplus 164V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 4V^{\varnothing,(1,1,1,1)} \oplus 936V^{(1),\varnothing} \oplus 2090V^{(1),(1)} \oplus 396V^{(1),(2)} \oplus 532V^{(1),(1,1)} \oplus 19V^{(1),(2,1)} \oplus 25V^{(1),(1,1,1)} \oplus 312V^{(2),\varnothing} \oplus 428V^{(2),(1)} \oplus 36V^{(2),(2)} \oplus 47V^{(2),(1,1)} \oplus 462V^{(1,1),\varnothing} \oplus 508V^{(1,1),(1)} \oplus 37V^{(1,1),(2)} \oplus 49V^{(1,1),(1,1)} \oplus 144V^{(2,1),\varnothing} \oplus 21V^{(2,1),(1)} \oplus 92V^{(1,1,1),\varnothing} \oplus 19V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 365V^{\varnothing,(1)} \oplus 140V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(2,1)} \oplus 130V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(2,1,1)} \oplus 62V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus 340V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 160V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(2,1,1)} \oplus 9V^{(1),(1,1,1,1)} \oplus 140V^{(2),\varnothing} \oplus 606V^{(2),(1)} \oplus 138V^{(2),(2)} \oplus 176V^{(2),(1,1)} \oplus 12V^{(2),(2,1)} \oplus 17V^{(2),(1,1,1)} \oplus 220V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 154V^{(1,1),(2)} \oplus 208V^{(1,1),(1,1)} \oplus 13V^{(1,1),(2,1)} \oplus 19V^{(1,1),(1,1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 200V^{(2,1),(1)} \oplus 11V^{(2,1),(2)} \oplus 21V^{(2,1),(1,1)} \oplus 80V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 10V^{(1,1,1),(2)} \oplus 19V^{(1,1,1),(1,1)} \oplus 36V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus 36V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus V^{(2,2,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(1,1,1,1)} \oplus 5V^{\varnothing,(2,1,1,1)} \oplus 5V^{\varnothing,(1,1,1,1,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,1,1)} \oplus 92V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus 20V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 188V^{(2),(2)} \oplus 214V^{(2),(1,1)} \oplus 56V^{(2),(2,1)} \oplus 72V^{(2),(1,1,1)} \oplus 6V^{(2),(2,1,1)} \oplus 7V^{(2),(1,1,1,1)} \oplus 20V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 206V^{(1,1),(2)} \oplus 250V^{(1,1),(1,1)} \oplus 64V^{(1,1),(2,1)} \oplus 88V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(2,1,1)} \oplus 9V^{(1,1),(1,1,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 60V^{(2,1),(2)} \oplus 80V^{(2,1),(1,1)} \oplus 11V^{(2,1),(2,1)} \oplus 15V^{(2,1),(1,1,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 52V^{(1,1,1),(2)} \oplus 64V^{(1,1,1),(1,1)} \oplus 10V^{(1,1,1),(2,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus 10V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 4V^{(2,2),(2)} \oplus 7V^{(2,2),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 4V^{(2,1,1),(2)} \oplus 7V^{(2,1,1),(1,1)} \oplus 5V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)}$
$k = 5:$ $120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus V^{(1),(2,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 60V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 24V^{(2),(2,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 2V^{(2),(2,1,1,1)} \oplus 2V^{(2),(1,1,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,1,1)} \oplus 36V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 3V^{(1,1),(1,1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 26V^{(2,1),(2,1)} \oplus 36V^{(2,1),(1,1,1)} \oplus 5V^{(2,1),(2,1,1)} \oplus 7V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(2,1)} \oplus 28V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(2,1,1)} \oplus 5V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 4V^{(2,2),(2,1)} \oplus 7V^{(2,2),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 24V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 4V^{(2,1,1),(2,1)} \oplus 7V^{(2,1,1),(1,1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 2V^{(2,2,1),(2)} \oplus 3V^{(2,2,1),(1,1)} \oplus V^{(2,2,2),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(2,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus V^{(2),(2,1,1,1,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(2,1,1,1)} \oplus 10V^{(1,1),(1,1,1,1,1)} \oplus V^{(1,1),(2,1,1,1,1)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(2,1)} \oplus 26V^{(2,1),(1,1,1)} \oplus 12V^{(2,1),(2,1,1)} \oplus 16V^{(2,1),(1,1,1,1)} \oplus 3V^{(2,1),(2,1,1,1)} \oplus 3V^{(2,1),(1,1,1,1,1)} \oplus 24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 20V^{(1,1,1),(2,1)} \oplus 22V^{(1,1,1),(1,1,1)} \oplus$

Table 88: Table for $\lambda = (2,2,2)$, $\mu = (1,1,1,1,1,1)$:

$k = 12: \quad 3V^{\varnothing,\varnothing}$
$k = 11: \quad 797V^{\varnothing,\varnothing} \oplus 46V^{\varnothing,(1)} \oplus 9V^{(1),\varnothing}$
$k = 10:$ $1435V^{\varnothing,\varnothing} \oplus 536V^{\varnothing,(1)} \oplus 21V^{\varnothing,(1,1)} \oplus 644V^{(1),\varnothing} \oplus 163V^{(1),(1)} \oplus 6V^{(2),\varnothing} \oplus 7V^{(1,1),\varnothing}$
$k = 9: \quad 1195V^{\varnothing,\varnothing} \oplus 838V^{\varnothing,(1)} \oplus 214V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1045V^{(1),\varnothing} \oplus 1012V^{(1),(1)} \oplus$ $43V^{(1),(1,1)} \oplus 158V^{(2),\varnothing} \oplus 36V^{(2),(1)} \oplus 262V^{(1,1),\varnothing} \oplus 37V^{(1,1),(1)} \oplus 5V^{(2,1),\varnothing} \oplus 4V^{(1,1,1),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 568V^{\varnothing,(1)} \oplus 276V^{\varnothing,(1,1)} \oplus 92V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus$ $704V^{(1),\varnothing} \oplus 1670V^{(1),(1)} \oplus 396V^{(1),(1,1)} \oplus 19V^{(1),(1,1,1)} \oplus 195V^{(2),\varnothing} \oplus 344V^{(2),(1)} \oplus$ $36V^{(2),(1,1)} \oplus 345V^{(1,1),\varnothing} \oplus 384V^{(1,1),(1)} \oplus 37V^{(1,1),(1,1)} \oplus 118V^{(2,1),\varnothing} \oplus 11V^{(2,1),(1)} \oplus$ $66V^{(1,1,1),\varnothing} \oplus 10V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 3V^{(2,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 140V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus$ $245V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 582V^{(1),(1,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus 84V^{(2),\varnothing} \oplus$ $528V^{(2),(1)} \oplus 138V^{(2),(1,1)} \oplus 12V^{(2),(1,1,1)} \oplus 164V^{(1,1),\varnothing} \oplus 582V^{(1,1),(1)} \oplus 154V^{(1,1),(1,1)} \oplus$ $13V^{(1,1),(1,1,1)} \oplus 103V^{(2,1),\varnothing} \oplus 152V^{(2,1),(1)} \oplus 11V^{(2,1),(1,1)} \oplus 53V^{(1,1,1),\varnothing} \oplus 132V^{(1,1,1),(1)} \oplus$ $10V^{(1,1,1),(1,1)} \oplus 28V^{(2,2),\varnothing} \oplus 4V^{(2,2),(1)} \oplus 28V^{(2,1,1),\varnothing} \oplus 4V^{(2,1,1),(1)} \oplus 2V^{(2,2,1),\varnothing}$
$k = 6:$ $25V^{\varnothing,(1)} \oplus 25V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(1,1,1,1)} \oplus 5V^{\varnothing,(1,1,1,1,1)} \oplus V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus$ $368V^{(1),(1,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus V^{(2),\varnothing} \oplus 344V^{(2),(1)} \oplus$ $188V^{(2),(1,1)} \oplus 56V^{(2),(1,1,1)} \oplus 6V^{(2),(1,1,1,1)} \oplus V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 206V^{(1,1),(1,1)} \oplus$ $64V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(1,1,1,1)} \oplus V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 60V^{(2,1),(1,1)} \oplus 11V^{(2,1),(1,1,1)} \oplus$ $V^{(1,1,1),\varnothing} \oplus 168V^{(1,1,1),(1)} \oplus 52V^{(1,1,1),(1,1)} \oplus 10V^{(1,1,1),(1,1,1)} \oplus V^{(2,2),\varnothing} \oplus 62V^{(2,2),(1)} \oplus$ $4V^{(2,2),(1,1)} \oplus V^{(2,1,1),\varnothing} \oplus 62V^{(2,1,1),(1)} \oplus 4V^{(2,1,1),(1,1)} \oplus V^{(2,2,1),\varnothing} \oplus 2V^{(2,2,1),(1)} \oplus V^{(2,2,2),\varnothing}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus$ $V^{(1),(1,1,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(1,1)} \oplus 60V^{(2),(1,1,1)} \oplus 24V^{(2),(1,1,1,1)} \oplus 2V^{(2),(1,1,1,1,1)} \oplus$ $120V^{(1,1),(1)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(1,1,1,1,1)} \oplus$ $80V^{(2,1),(1)} \oplus 66V^{(2,1),(1,1)} \oplus 26V^{(2,1),(1,1,1)} \oplus 5V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(1,1)} \oplus$ $22V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(1,1)} \oplus 4V^{(2,2),(1,1,1)} \oplus$ $50V^{(2,1,1),(1)} \oplus 24V^{(2,1,1),(1,1)} \oplus 4V^{(2,1,1),(1,1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 2V^{(2,2,1),(1,1)} \oplus V^{(2,2,2),(1)}$
$k = 4: \quad 24V^{(2),(1,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus$ $V^{(2),(1,1,1,1,1,1)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(1,1,1,1,1)} \oplus$ $V^{(1,1),(1,1,1,1,1,1)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(1,1,1)} \oplus 12V^{(2,1),(1,1,1,1)} \oplus 3V^{(2,1),(1,1,1,1,1)} \oplus$ $24V^{(1,1,1),(1,1)} \oplus 20V^{(1,1,1),(1,1,1)} \oplus 10V^{(1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1),(1,1,1,1,1)} \oplus 18V^{(2,2),(1,1)} \oplus$ $10V^{(2,2),(1,1,1)} \oplus 4V^{(2,2),(1,1,1,1)} \oplus 18V^{(2,1,1),(1,1)} \oplus 10V^{(2,1,1),(1,1,1)} \oplus 4V^{(2,1,1),(1,1,1,1)} \oplus$ $10V^{(2,2,1),(1,1)} \oplus 2V^{(2,2,1),(1,1,1)} \oplus V^{(2,2,2),(1,1)}$
$k = 3: \quad 6V^{(2,1),(1,1,1)} \oplus 6V^{(2,1),(1,1,1,1)} \oplus 4V^{(2,1),(1,1,1,1,1)} \oplus V^{(2,1),(1,1,1,1,1,1)} \oplus$ $6V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(1,1,1,1)} \oplus 4V^{(1,1,1),(1,1,1,1,1)} \oplus V^{(1,1,1),(1,1,1,1,1,1)} \oplus 6V^{(2,2),(1,1,1)} \oplus$ $5V^{(2,2),(1,1,1,1)} \oplus 2V^{(2,2),(1,1,1,1,1)} \oplus 6V^{(2,1,1),(1,1,1)} \oplus 5V^{(2,1,1),(1,1,1,1)} \oplus 2V^{(2,1,1),(1,1,1,1,1)} \oplus$ $4V^{(2,2,1),(1,1,1)} \oplus 2V^{(2,2,1),(1,1,1,1)} \oplus V^{(2,2,2),(1,1,1)}$
$k = 2: \quad 2V^{(2,2),(1,1,1,1)} \oplus 2V^{(2,2),(1,1,1,1,1)} \oplus V^{(2,2),(1,1,1,1,1,1)} \oplus 2V^{(2,1,1),(1,1,1,1)} \oplus$ $2V^{(2,1,1),(1,1,1,1,1)} \oplus V^{(2,1,1),(1,1,1,1,1,1)} \oplus 2V^{(2,2,1),(1,1,1,1)} \oplus 2V^{(2,2,1),(1,1,1,1,1)} \oplus V^{(2,2,2),(1,1,1,1)}$
$k = 1: \quad V^{(2,2,1),(1,1,1,1,1)} \oplus V^{(2,2,1),(1,1,1,1,1,1)} \oplus V^{(2,2,2),(1,1,1,1,1)}$
$k = 0: \quad V^{(2,2,2),(1,1,1,1,1,1)}$

Table 89: Table for $\lambda = (2,2,1,1)$, $\mu = (6,)$:

$k = 12: \quad 2V^{\varnothing,\varnothing}$
$k = 11: \quad 785V^{\varnothing,\varnothing} \oplus 63V^{\varnothing,(1)} \oplus 10V^{(1),\varnothing}$
$k = 10: \quad 1421V^{\varnothing,\varnothing} \oplus 642V^{\varnothing,(1)} \oplus 22V^{\varnothing,(2)} \oplus 654V^{(1),\varnothing} \oplus 193V^{(1),(1)} \oplus 6V^{(2),\varnothing} \oplus 8V^{(1,1),\varnothing}$
$k = 9: \quad 1184V^{\varnothing,\varnothing} \oplus 1038V^{\varnothing,(1)} \oplus 254V^{\varnothing,(2)} \oplus 8V^{\varnothing,(3)} \oplus 1051V^{(1),\varnothing} \oplus 1060V^{(1),(1)} \oplus 73V^{(1),(2)} \oplus 162V^{(2),\varnothing} \oplus 42V^{(2),(1)} \oplus 286V^{(1,1),\varnothing} \oplus 45V^{(1,1),(1)} \oplus 5V^{(2,1),\varnothing} \oplus 5V^{(1,1,1),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 728V^{\varnothing,(1)} \oplus 348V^{\varnothing,(2)} \oplus 108V^{\varnothing,(3)} \oplus 3V^{\varnothing,(4)} \oplus 704V^{(1),\varnothing} \oplus 1682V^{(1),(1)} \oplus 408V^{(1),(2)} \oplus 25V^{(1),(3)} \oplus 195V^{(2),\varnothing} \oplus 356V^{(2),(1)} \oplus 42V^{(2),(2)} \oplus 363V^{(1,1),\varnothing} \oplus 412V^{(1,1),(1)} \oplus 45V^{(1,1),(2)} \oplus 128V^{(2,1),\varnothing} \oplus 13V^{(2,1),(1)} \oplus 128V^{(1,1,1),\varnothing} \oplus 13V^{(1,1,1),(1)} \oplus 2V^{(2,2),\varnothing} \oplus 3V^{(2,1,1),\varnothing} \oplus 2V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 390V^{\varnothing,(1)} \oplus 188V^{\varnothing,(2)} \oplus 104V^{\varnothing,(3)} \oplus 44V^{\varnothing,(4)} \oplus V^{\varnothing,(5)} \oplus 245V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 160V^{(1),(3)} \oplus 7V^{(1),(4)} \oplus 84V^{(2),\varnothing} \oplus 528V^{(2),(1)} \oplus 144V^{(2),(2)} \oplus 18V^{(2),(3)} \oplus 164V^{(1,1),\varnothing} \oplus 594V^{(1,1),(1)} \oplus 168V^{(1,1),(2)} \oplus 21V^{(1,1),(3)} \oplus 103V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus 13V^{(2,1),(2)} \oplus 103V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 13V^{(1,1,1),(2)} \oplus 28V^{(2,2),\varnothing} \oplus 4V^{(2,2),(1)} \oplus 54V^{(2,1,1),\varnothing} \oplus 5V^{(2,1,1),(1)} \oplus 28V^{(1,1,1,1),\varnothing} \oplus 4V^{(1,1,1,1),(1)} \oplus V^{(2,2,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 27V^{\varnothing,(3)} \oplus 18V^{\varnothing,(4)} \oplus 9V^{\varnothing,(5)} \oplus V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 186V^{(1),(3)} \oplus 72V^{(1),(4)} \oplus 3V^{(1),(5)} \oplus V^{(2),\varnothing} \oplus 344V^{(2),(1)} \oplus 188V^{(2),(2)} \oplus 56V^{(2),(3)} \oplus 6V^{(2),(4)} \oplus V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 210V^{(1,1),(2)} \oplus 68V^{(1,1),(3)} \oplus 9V^{(1,1),(4)} \oplus V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 13V^{(2,1),(3)} \oplus V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus 13V^{(1,1,1),(3)} \oplus V^{(2,2),\varnothing} \oplus 62V^{(2,2),(1)} \oplus 4V^{(2,2),(2)} \oplus V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 5V^{(2,1,1),(2)} \oplus V^{(1,1,1,1),\varnothing} \oplus 62V^{(1,1,1,1),(1)} \oplus 4V^{(1,1,1,1),(2)} \oplus V^{(2,2,1),\varnothing} \oplus 2V^{(2,2,1),(1)} \oplus V^{(2,1,1,1),\varnothing} \oplus 2V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 80V^{(1),(3)} \oplus 50V^{(1),(4)} \oplus 26V^{(1),(5)} \oplus V^{(1),(6)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(2)} \oplus 60V^{(2),(3)} \oplus 24V^{(2),(4)} \oplus 2V^{(2),(5)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 66V^{(1,1),(3)} \oplus 28V^{(1,1),(4)} \oplus 3V^{(1,1),(5)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 28V^{(2,1),(3)} \oplus 7V^{(2,1),(4)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 28V^{(1,1,1),(3)} \oplus 7V^{(1,1,1),(4)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(2)} \oplus 4V^{(2,2),(3)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 5V^{(2,1,1),(3)} \oplus 50V^{(1,1,1,1),(1)} \oplus 24V^{(1,1,1,1),(2)} \oplus 4V^{(1,1,1,1),(3)} \oplus 26V^{(2,2,1),(1)} \oplus 2V^{(2,2,1),(2)} \oplus 26V^{(2,1,1,1),(1)} \oplus 2V^{(2,1,1,1),(2)} \oplus V^{(2,2,1,1),(1)}$
$k = 4:$ $24V^{(2),(2)} \oplus 24V^{(2),(3)} \oplus 18V^{(2),(4)} \oplus 10V^{(2),(5)} \oplus V^{(2),(6)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(3)} \oplus 18V^{(1,1),(4)} \oplus 10V^{(1,1),(5)} \oplus V^{(1,1),(6)} \oplus 24V^{(2,1),(2)} \oplus 22V^{(2,1),(3)} \oplus 12V^{(2,1),(4)} \oplus 3V^{(2,1),(5)} \oplus 24V^{(1,1,1),(2)} \oplus 22V^{(1,1,1),(3)} \oplus 12V^{(1,1,1),(4)} \oplus 3V^{(1,1,1),(5)} \oplus 18V^{(2,2),(2)} \oplus 10V^{(2,2),(3)} \oplus 4V^{(2,2),(4)} \oplus 18V^{(2,1,1),(2)} \oplus 12V^{(2,1,1),(3)} \oplus 5V^{(2,1,1),(4)} \oplus 18V^{(1,1,1,1),(2)} \oplus 10V^{(1,1,1,1),(3)} \oplus 4V^{(1,1,1,1),(4)} \oplus 10V^{(2,2,1),(2)} \oplus 2V^{(2,2,1),(3)} \oplus 10V^{(2,1,1,1),(2)} \oplus 2V^{(2,1,1,1),(3)} \oplus V^{(2,2,1,1),(2)}$
$k = 3: \quad 6V^{(2,1),(3)} \oplus 6V^{(2,1),(4)} \oplus 4V^{(2,1),(5)} \oplus V^{(2,1),(6)} \oplus 6V^{(1,1,1),(3)} \oplus 6V^{(1,1,1),(4)} \oplus 4V^{(1,1,1),(5)} \oplus V^{(1,1,1),(6)} \oplus 6V^{(2,2),(3)} \oplus 5V^{(2,2),(4)} \oplus 2V^{(2,2),(5)} \oplus 6V^{(2,1,1),(3)} \oplus 6V^{(2,1,1),(4)} \oplus 3V^{(2,1,1),(5)} \oplus 6V^{(1,1,1,1),(3)} \oplus 5V^{(1,1,1,1),(4)} \oplus 2V^{(1,1,1,1),(5)} \oplus 4V^{(2,2,1),(3)} \oplus 2V^{(2,2,1),(4)} \oplus 4V^{(2,1,1,1),(3)} \oplus 2V^{(2,1,1,1),(4)} \oplus V^{(2,2,1,1),(3)}$
$k = 2: \quad 2V^{(2,2),(4)} \oplus 2V^{(2,2),(5)} \oplus V^{(2,2),(6)} \oplus 2V^{(2,1,1),(4)} \oplus 2V^{(2,1,1),(5)} \oplus V^{(2,1,1),(6)} \oplus 2V^{(1,1,1,1),(4)} \oplus 2V^{(1,1,1,1),(5)} \oplus V^{(1,1,1,1),(6)} \oplus 2V^{(2,2,1),(4)} \oplus 2V^{(2,2,1),(5)} \oplus 2V^{(2,1,1,1),(4)} \oplus 2V^{(2,1,1,1),(5)} \oplus V^{(2,2,1,1),(4)}$
$k = 1: \quad V^{(2,2,1),(5)} \oplus V^{(2,2,1),(6)} \oplus V^{(2,1,1,1),(5)} \oplus V^{(2,1,1,1),(6)} \oplus V^{(2,2,1,1),(5)}$
$k = 0: \quad V^{(2,2,1,1),(6)}$

Table 90: Table for $\lambda = (2,2,1,1)$, $\mu = (5,1)$:

$k = 12: \quad 7V^{\varnothing,\varnothing}$
$k = 11: \quad 985V^{\varnothing,\varnothing} \oplus 85V^{\varnothing,(1)} \oplus 58V^{(1),\varnothing}$
$k = 10: \quad 1736V^{\varnothing,\varnothing} \oplus 1050V^{\varnothing,(1)} \oplus 30V^{\varnothing,(2)} \oplus 22V^{\varnothing,(1,1)} \oplus 970V^{(1),\varnothing} \oplus 265V^{(1),(1)} \oplus 25V^{(2),\varnothing} \oplus 28V^{(1,1),\varnothing}$
$k = 9: \quad 1349V^{\varnothing,\varnothing} \oplus 1626V^{\varnothing,(1)} \oplus 418V^{\varnothing,(2)} \oplus 254V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 8V^{\varnothing,(2,1)} \oplus 1456V^{(1),\varnothing} \oplus 1444V^{(1),(1)} \oplus 97V^{(1),(2)} \oplus 73V^{(1),(1,1)} \oplus 274V^{(2),\varnothing} \oplus 83V^{(2),(1)} \oplus 418V^{(1,1),\varnothing} \oplus 89V^{(1,1),(1)} \oplus 11V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 648V^{\varnothing,\varnothing} \oplus 1096V^{\varnothing,(1)} \oplus 534V^{\varnothing,(2)} \oplus 348V^{\varnothing,(1,1)} \oplus 180V^{\varnothing,(3)} \oplus 108V^{\varnothing,(2,1)} \oplus 4V^{\varnothing,(4)} \oplus 3V^{\varnothing,(3,1)} \oplus 936V^{(1),\varnothing} \oplus 2114V^{(1),(1)} \oplus 556V^{(1),(2)} \oplus 408V^{(1),(1,1)} \oplus 31V^{(1),(3)} \oplus 25V^{(1),(2,1)} \oplus 312V^{(2),\varnothing} \oplus 452V^{(2),(1)} \oplus 59V^{(2),(2)} \oplus 42V^{(2),(1,1)} \oplus 498V^{(1,1),\varnothing} \oplus 564V^{(1,1),(1)} \oplus 65V^{(1,1),(2)} \oplus 45V^{(1,1),(1,1)} \oplus 164V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 164V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7:$ $120V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 268V^{\varnothing,(2)} \oplus 188V^{\varnothing,(1,1)} \oplus 154V^{\varnothing,(3)} \oplus 104V^{\varnothing,(2,1)} \oplus 70V^{\varnothing,(4)} \oplus 44V^{\varnothing,(3,1)} \oplus V^{\varnothing,(5)} \oplus V^{\varnothing,(4,1)} \oplus 340V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 582V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 160V^{(1),(2,1)} \oplus 9V^{(1),(4)} \oplus 7V^{(1),(3,1)} \oplus 140V^{(2),\varnothing} \oplus 606V^{(2),(1)} \oplus 188V^{(2),(2)} \oplus 144V^{(2),(1,1)} \oplus 23V^{(2),(3)} \oplus 18V^{(2),(2,1)} \oplus 220V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 236V^{(1,1),(2)} \oplus 168V^{(1,1),(1,1)} \oplus 29V^{(1,1),(3)} \oplus 21V^{(1,1),(2,1)} \oplus 130V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 25V^{(2,1),(2)} \oplus 13V^{(2,1),(1,1)} \oplus 130V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 25V^{(1,1,1),(2)} \oplus 13V^{(1,1,1),(1,1)} \oplus 36V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus 62V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus 36V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(2,2,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(3)} \oplus 27V^{\varnothing,(2,1)} \oplus 18V^{\varnothing,(4)} \oplus 18V^{\varnothing,(3,1)} \oplus 9V^{\varnothing,(5)} \oplus 9V^{\varnothing,(4,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 186V^{(1),(2,1)} \oplus 92V^{(1),(4)} \oplus 72V^{(1),(3,1)} \oplus 3V^{(1),(5)} \oplus 3V^{(1),(4,1)} \oplus 20V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 214V^{(2),(2)} \oplus 188V^{(2),(1,1)} \oplus 72V^{(2),(3)} \oplus 56V^{(2),(2,1)} \oplus 7V^{(2),(4)} \oplus 6V^{(2),(3,1)} \oplus 20V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 210V^{(1,1),(1,1)} \oplus 96V^{(1,1),(3)} \oplus 68V^{(1,1),(2,1)} \oplus 11V^{(1,1),(4)} \oplus 9V^{(1,1),(3,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 88V^{(2,1),(2)} \oplus 64V^{(2,1),(1,1)} \oplus 19V^{(2,1),(3)} \oplus 13V^{(2,1),(2,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 88V^{(1,1,1),(2)} \oplus 64V^{(1,1,1),(1,1)} \oplus 19V^{(1,1,1),(3)} \oplus 13V^{(1,1,1),(2,1)} \oplus 10V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 7V^{(2,2),(2)} \oplus 4V^{(2,2),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 5V^{(2,1,1),(1,1)} \oplus 10V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 7V^{(1,1,1,1),(2)} \oplus 4V^{(1,1,1,1),(1,1)} \oplus 5V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)} \oplus 5V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 26V^{(1),(5)} \oplus 26V^{(1),(4,1)} \oplus V^{(1),(5,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 102V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 60V^{(2),(2,1)} \oplus 28V^{(2),(4)} \oplus 24V^{(2),(3,1)} \oplus 2V^{(2),(5)} \oplus 2V^{(2),(4,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 36V^{(1,1),(4)} \oplus 28V^{(1,1),(3,1)} \oplus 3V^{(1,1),(5)} \oplus 3V^{(1,1),(4,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 40V^{(2,1),(3)} \oplus 28V^{(2,1),(2,1)} \oplus 9V^{(2,1),(4)} \oplus 7V^{(2,1),(3,1)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 40V^{(1,1,1),(3)} \oplus 28V^{(1,1,1),(2,1)} \oplus 9V^{(1,1,1),(4)} \oplus 7V^{(1,1,1),(3,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 24V^{(2,2),(1,1)} \oplus 7V^{(2,2),(3)} \oplus 4V^{(2,2),(2,1)} \oplus 50V^{(2,1,1),(1)} \oplus 36V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 9V^{(2,1,1),(3)} \oplus 5V^{(2,1,1),(2,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 24V^{(1,1,1,1),(1,1)} \oplus 7V^{(1,1,1,1),(3)} \oplus 4V^{(1,1,1,1),(2,1)} \oplus 26V^{(2,2,1),(1)} \oplus 3V^{(2,2,1),(2)} \oplus 2V^{(2,2,1),(1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 3V^{(2,1,1,1),(2)} \oplus 2V^{(2,1,1,1),(1,1)} \oplus V^{(2,2,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 10V^{(2),(5)} \oplus 10V^{(2),(4,1)} \oplus V^{(2),(5,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 10V^{(1,1),(5)} \oplus 10V^{(1,1),(4,1)} \oplus V^{(1,1),(5,1)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 26V^{(2,1),(3)} \oplus 22V^{(2,1),(2,1)} \oplus 16V^{(2,1),(4)} \oplus 12V^{(2,1),(3,1)} \oplus 3V^{(2,1),(5)} \oplus 3V^{(2,1),(4,1)} \oplus 24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 26V^{(1,1,1),(3)} \oplus 22V^{(1,1,1),(2,1)} \oplus$

Table 91: Table for $\lambda = (2,2,1,1)$, $\mu = (4,2)$:

$k = 12: \quad 11V^{\varnothing,\varnothing}$
$k = 11: \quad 1037V^{\varnothing,\varnothing} \oplus 90V^{\varnothing,(1)} \oplus 90V^{(1),\varnothing}$
$k = 10: \quad 1816V^{\varnothing,\varnothing} \oplus 1090V^{\varnothing,(1)} \oplus 32V^{\varnothing,(2)} \oplus 29V^{\varnothing,(1,1)} \oplus 1090V^{(1),\varnothing} \oplus 283V^{(1),(1)} \oplus 29V^{(2),\varnothing} \oplus 32V^{(1,1),\varnothing}$
$k = 9: \quad 1385V^{\varnothing,\varnothing} \oplus 1656V^{\varnothing,(1)} \oplus 458V^{\varnothing,(2)} \oplus 314V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 1656V^{(1),\varnothing} \oplus 1516V^{(1),(1)} \oplus 101V^{(1),(2)} \oplus 95V^{(1),(1,1)} \oplus 314V^{(2),\varnothing} \oplus 95V^{(2),(1)} \oplus 458V^{(1,1),\varnothing} \oplus 101V^{(1,1),(1)} \oplus 11V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 729V^{\varnothing,\varnothing} \oplus 1096V^{\varnothing,(1)} \oplus 570V^{\varnothing,(2)} \oplus 384V^{\varnothing,(1,1)} \oplus 180V^{\varnothing,(3)} \oplus 180V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 1096V^{(1),\varnothing} \oplus 2150V^{(1),(1)} \oplus 588V^{(1),(2)} \oplus 476V^{(1),(1,1)} \oplus 31V^{(1),(3)} \oplus 31V^{(1),(2,1)} \oplus 384V^{(2),\varnothing} \oplus 476V^{(2),(1)} \oplus 63V^{(2),(2)} \oplus 58V^{(2),(1,1)} \oplus 570V^{(1,1),\varnothing} \oplus 588V^{(1,1),(1)} \oplus 71V^{(1,1),(2)} \oplus 63V^{(1,1),(1,1)} \oplus 180V^{(2,1),\varnothing} \oplus 31V^{(2,1),(1)} \oplus 180V^{(1,1,1),\varnothing} \oplus 31V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 268V^{\varnothing,(2)} \oplus 188V^{\varnothing,(1,1)} \oplus 154V^{\varnothing,(3)} \oplus 154V^{\varnothing,(2,1)} \oplus 44V^{\varnothing,(4)} \oplus 70V^{\varnothing,(3,1)} \oplus 44V^{\varnothing,(2,2)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,2)} \oplus 510V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 606V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 7V^{(1),(4)} \oplus 9V^{(1),(3,1)} \oplus 7V^{(1),(2,2)} \oplus 188V^{(2),\varnothing} \oplus 606V^{(2),(1)} \oplus 204V^{(2),(2)} \oplus 172V^{(2),(1,1)} \oplus 23V^{(2),(3)} \oplus 23V^{(2),(2,1)} \oplus 268V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 260V^{(1,1),(2)} \oplus 204V^{(1,1),(1,1)} \oplus 29V^{(1,1),(3)} \oplus 29V^{(1,1),(2,1)} \oplus 154V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 29V^{(2,1),(2)} \oplus 23V^{(2,1),(1,1)} \oplus 154V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 29V^{(1,1,1),(2)} \oplus 23V^{(1,1,1),(1,1)} \oplus 44V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus 70V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus 44V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(2,2,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(3)} \oplus 27V^{\varnothing,(2,1)} \oplus 18V^{\varnothing,(4)} \oplus 18V^{\varnothing,(3,1)} \oplus 18V^{\varnothing,(2,2)} \oplus 9V^{\varnothing,(4,1)} \oplus 9V^{\varnothing,(3,2)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,2)} \oplus 54V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 222V^{(2),(2)} \oplus 196V^{(2),(1,1)} \oplus 72V^{(2),(3)} \oplus 72V^{(2),(2,1)} \oplus 6V^{(2),(4)} \oplus 7V^{(2),(3,1)} \oplus 6V^{(2),(2,2)} \oplus 54V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 270V^{(1,1),(2)} \oplus 222V^{(1,1),(1,1)} \oplus 96V^{(1,1),(3)} \oplus 96V^{(1,1),(2,1)} \oplus 9V^{(1,1),(4)} \oplus 11V^{(1,1),(3,1)} \oplus 9V^{(1,1),(2,2)} \oplus 27V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 96V^{(2,1),(2)} \oplus 72V^{(2,1),(1,1)} \oplus 19V^{(2,1),(3)} \oplus 19V^{(2,1),(2,1)} \oplus 27V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 96V^{(1,1,1),(2)} \oplus 72V^{(1,1,1),(1,1)} \oplus 19V^{(1,1,1),(3)} \oplus 19V^{(1,1,1),(2,1)} \oplus 18V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 9V^{(2,2),(2)} \oplus 6V^{(2,2),(1,1)} \oplus 18V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 11V^{(2,1,1),(2)} \oplus 7V^{(2,1,1),(1,1)} \oplus 18V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 9V^{(1,1,1,1),(2)} \oplus 6V^{(1,1,1,1),(1,1)} \oplus 9V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)} \oplus 9V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(4,2)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 102V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 24V^{(2),(4)} \oplus 28V^{(2),(3,1)} \oplus 24V^{(2),(2,2)} \oplus 2V^{(2),(4,1)} \oplus 2V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 28V^{(1,1),(4)} \oplus 36V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,2)} \oplus 3V^{(1,1),(4,1)} \oplus 3V^{(1,1),(3,2)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 40V^{(2,1),(3)} \oplus 40V^{(2,1),(2,1)} \oplus 7V^{(2,1),(4)} \oplus 9V^{(2,1),(3,1)} \oplus 7V^{(2,1),(2,2)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 40V^{(1,1,1),(3)} \oplus 40V^{(1,1,1),(2,1)} \oplus 7V^{(1,1,1),(4)} \oplus 9V^{(1,1,1),(3,1)} \oplus 7V^{(1,1,1),(2,2)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 24V^{(2,2),(1,1)} \oplus 7V^{(2,2),(3)} \oplus 7V^{(2,2),(2,1)} \oplus 50V^{(2,1,1),(1)} \oplus 36V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 9V^{(2,1,1),(3)} \oplus 9V^{(2,1,1),(2,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 24V^{(1,1,1,1),(1,1)} \oplus 7V^{(1,1,1,1),(3)} \oplus 7V^{(1,1,1,1),(2,1)} \oplus 26V^{(2,2,1),(1)} \oplus 3V^{(2,2,1),(2)} \oplus 2V^{(2,2,1),(1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 3V^{(2,1,1,1),(2)} \oplus 2V^{(2,1,1,1),(1,1)} \oplus V^{(2,2,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(4,1)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(4,2)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus 10V^{(1,1),(4,1)} \oplus$

Table 92: Table for $\lambda = (2,2,1,1)$, $\mu = (4,1,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1082V^{\varnothing,\varnothing} \oplus 92V^{\varnothing,(1)} \oplus 114V^{(1),\varnothing}$
$k = 10: \quad 1862V^{\varnothing,\varnothing} \oplus 1170V^{\varnothing,(1)} \oplus 32V^{\varnothing,(2)} \oplus 30V^{\varnothing,(1,1)} \oplus 1160V^{(1),\varnothing} \oplus 287V^{(1),(1)} \oplus 36V^{(2),\varnothing} \oplus 39V^{(1,1),\varnothing}$
$k = 9: \quad 1490V^{\varnothing,\varnothing} \oplus 1764V^{\varnothing,(1)} \oplus 458V^{\varnothing,(2)} \oplus 418V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1724V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 101V^{(1),(2)} \oplus 97V^{(1),(1,1)} \oplus 332V^{(2),\varnothing} \oplus 99V^{(2),(1)} \oplus 476V^{(1,1),\varnothing} \oplus 107V^{(1,1),(1)} \oplus 12V^{(2,1),\varnothing} \oplus 12V^{(1,1,1),\varnothing}$
$k = 8: \quad 738V^{\varnothing,\varnothing} \oplus 1144V^{\varnothing,(1)} \oplus 570V^{\varnothing,(2)} \oplus 534V^{\varnothing,(1,1)} \oplus 180V^{\varnothing,(3)} \oplus 180V^{\varnothing,(2,1)} \oplus 108V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 1296V^{(1),\varnothing} \oplus 2222V^{(1),(1)} \oplus 588V^{(1),(2)} \oplus 556V^{(1),(1,1)} \oplus 31V^{(1),(3)} \oplus 31V^{(1),(2,1)} \oplus 25V^{(1),(1,1,1)} \oplus 402V^{(2),\varnothing} \oplus 508V^{(2),(1)} \oplus 63V^{(2),(2)} \oplus 59V^{(2),(1,1)} \oplus 588V^{(1,1),\varnothing} \oplus 636V^{(1,1),(1)} \oplus 71V^{(1,1),(2)} \oplus 65V^{(1,1),(1,1)} \oplus 184V^{(2,1),\varnothing} \oplus 35V^{(2,1),(1)} \oplus 184V^{(1,1,1),\varnothing} \oplus 35V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 268V^{\varnothing,(2)} \oplus 268V^{\varnothing,(1,1)} \oplus 154V^{\varnothing,(3)} \oplus 154V^{\varnothing,(2,1)} \oplus 104V^{\varnothing,(1,1,1)} \oplus 44V^{\varnothing,(4)} \oplus 70V^{\varnothing,(3,1)} \oplus 44V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(4)} \oplus 9V^{(1),(3,1)} \oplus 7V^{(1),(2,1,1)} \oplus 240V^{(2),\varnothing} \oplus 630V^{(2),(1)} \oplus 204V^{(2),(2)} \oplus 188V^{(2),(1,1)} \oplus 23V^{(2),(3)} \oplus 23V^{(2),(2,1)} \oplus 18V^{(2),(1,1,1)} \oplus 320V^{(1,1),\varnothing} \oplus 774V^{(1,1),(1)} \oplus 260V^{(1,1),(2)} \oplus 236V^{(1,1),(1,1)} \oplus 29V^{(1,1),(3)} \oplus 29V^{(1,1),(2,1)} \oplus 21V^{(1,1),(1,1,1)} \oplus 160V^{(2,1),\varnothing} \oplus 232V^{(2,1),(1)} \oplus 29V^{(2,1),(2)} \oplus 25V^{(2,1),(1,1)} \oplus 160V^{(1,1,1),\varnothing} \oplus 232V^{(1,1,1),(1)} \oplus 29V^{(1,1,1),(2)} \oplus 25V^{(1,1,1),(1,1)} \oplus 46V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus 72V^{(2,1,1),\varnothing} \oplus 11V^{(2,1,1),(1)} \oplus 46V^{(1,1,1,1),\varnothing} \oplus 9V^{(1,1,1,1),(1)} \oplus V^{(2,2,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(3)} \oplus 27V^{\varnothing,(2,1)} \oplus 27V^{\varnothing,(1,1,1)} \oplus 18V^{\varnothing,(4)} \oplus 18V^{\varnothing,(3,1)} \oplus 18V^{\varnothing,(2,1,1)} \oplus 9V^{\varnothing,(4,1)} \oplus 9V^{\varnothing,(3,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,1,1)} \oplus 70V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 222V^{(2),(2)} \oplus 214V^{(2),(1,1)} \oplus 72V^{(2),(3)} \oplus 72V^{(2),(2,1)} \oplus 56V^{(2),(1,1,1)} \oplus 6V^{(2),(4)} \oplus 7V^{(2),(3,1)} \oplus 6V^{(2),(2,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 270V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 96V^{(1,1),(3)} \oplus 96V^{(1,1),(2,1)} \oplus 68V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(4)} \oplus 11V^{(1,1),(3,1)} \oplus 9V^{(1,1),(2,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 96V^{(2,1),(2)} \oplus 88V^{(2,1),(1,1)} \oplus 19V^{(2,1),(3)} \oplus 19V^{(2,1),(2,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus 40V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 96V^{(1,1,1),(2)} \oplus 88V^{(1,1,1),(1,1)} \oplus 19V^{(1,1,1),(3)} \oplus 19V^{(1,1,1),(2,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus 20V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 9V^{(2,2),(2)} \oplus 7V^{(2,2),(1,1)} \oplus 20V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 11V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 20V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 9V^{(1,1,1,1),(2)} \oplus 7V^{(1,1,1,1),(1,1)} \oplus 10V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)} \oplus 10V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,1,1)} \oplus V^{(1),(4,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 60V^{(2),(1,1,1)} \oplus 24V^{(2),(4)} \oplus 28V^{(2),(3,1)} \oplus 24V^{(2),(2,1,1)} \oplus 2V^{(2),(4,1)} \oplus 2V^{(2),(3,1,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(4)} \oplus 36V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(4,1)} \oplus 3V^{(1,1),(3,1,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 40V^{(2,1),(3)} \oplus 40V^{(2,1),(2,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(4)} \oplus 9V^{(2,1),(3,1)} \oplus 7V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 40V^{(1,1,1),(3)} \oplus 40V^{(1,1,1),(2,1)} \oplus 28V^{(1,1,1),(1,1,1)} \oplus 7V^{(1,1,1),(4)} \oplus 9V^{(1,1,1),(3,1)} \oplus 7V^{(1,1,1),(2,1,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 7V^{(2,2),(3)} \oplus 7V^{(2,2),(2,1)} \oplus 4V^{(2,2),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 36V^{(2,1,1),(2)} \oplus 36V^{(2,1,1),(1,1)} \oplus 9V^{(2,1,1),(3)} \oplus 9V^{(2,1,1),(2,1)} \oplus 5V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 7V^{(1,1,1,1),(3)} \oplus 7V^{(1,1,1,1),(2,1)} \oplus 4V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 3V^{(2,2,1),(2)} \oplus 3V^{(2,2,1),(1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 3V^{(2,1,1,1),(2)} \oplus 3V^{(2,1,1,1),(1,1)} \oplus V^{(2,2,1,1),(1)}$

Table 93: Table for $\lambda = (2,2,1,1)$, $\mu = (3,3)$:

$k = 12: \quad 11V^{\varnothing,\varnothing}$
$k = 11: \quad 1001V^{\varnothing,\varnothing} \oplus 71V^{\varnothing,(1)} \oplus 72V^{(1),\varnothing}$
$k = 10: \quad 1744V^{\varnothing,\varnothing} \oplus 1022V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 24V^{\varnothing,(1,1)} \oplus 982V^{(1),\varnothing} \oplus 217V^{(1),(1)} \oplus 28V^{(2),\varnothing} \oplus 31V^{(1,1),\varnothing}$
$k = 9: \quad 1349V^{\varnothing,\varnothing} \oplus 1626V^{\varnothing,(1)} \oplus 398V^{\varnothing,(2)} \oplus 294V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(3)} \oplus 9V^{\varnothing,(2,1)} \oplus 1456V^{(1),\varnothing} \oplus 1396V^{(1),(1)} \oplus 79V^{(1),(2)} \oplus 77V^{(1),(1,1)} \oplus 274V^{(2),\varnothing} \oplus 59V^{(2),(1)} \oplus 418V^{(1,1),\varnothing} \oplus 65V^{(1,1),(1)} \oplus 11V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 693V^{\varnothing,\varnothing} \oplus 1096V^{\varnothing,(1)} \oplus 534V^{\varnothing,(2)} \oplus 384V^{\varnothing,(1,1)} \oplus 108V^{\varnothing,(3)} \oplus 160V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 936V^{(1),\varnothing} \oplus 2114V^{(1),(1)} \oplus 520V^{(1),(2)} \oplus 440V^{(1),(1,1)} \oplus 25V^{(1),(3)} \oplus 27V^{(1),(2,1)} \oplus 312V^{(2),\varnothing} \oplus 452V^{(2),(1)} \oplus 47V^{(2),(2)} \oplus 46V^{(2),(1,1)} \oplus 498V^{(1,1),\varnothing} \oplus 564V^{(1,1),(1)} \oplus 53V^{(1,1),(2)} \oplus 51V^{(1,1),(1,1)} \oplus 164V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 164V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 268V^{\varnothing,(2)} \oplus 188V^{\varnothing,(1,1)} \oplus 104V^{\varnothing,(3)} \oplus 154V^{\varnothing,(2,1)} \oplus 44V^{\varnothing,(3,1)} \oplus 44V^{\varnothing,(2,2)} \oplus V^{\varnothing,(3,2)} \oplus 365V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 606V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 200V^{(1),(2,1)} \oplus 7V^{(1),(3,1)} \oplus 7V^{(1),(2,2)} \oplus 140V^{(2),\varnothing} \oplus 606V^{(2),(1)} \oplus 176V^{(2),(2)} \oplus 160V^{(2),(1,1)} \oplus 18V^{(2),(3)} \oplus 19V^{(2),(2,1)} \oplus 220V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 224V^{(1,1),(2)} \oplus 192V^{(1,1),(1,1)} \oplus 21V^{(1,1),(3)} \oplus 23V^{(1,1),(2,1)} \oplus 130V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 19V^{(2,1),(2)} \oplus 17V^{(2,1),(1,1)} \oplus 130V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 19V^{(1,1,1),(2)} \oplus 17V^{(1,1,1),(1,1)} \oplus 36V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus 62V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus 36V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(2,2,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(3)} \oplus 27V^{\varnothing,(2,1)} \oplus 18V^{\varnothing,(3,1)} \oplus 18V^{\varnothing,(2,2)} \oplus 9V^{\varnothing,(3,2)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(3,2)} \oplus 25V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 214V^{(2),(2)} \oplus 196V^{(2),(1,1)} \oplus 56V^{(2),(3)} \oplus 64V^{(2),(2,1)} \oplus 6V^{(2),(3,1)} \oplus 6V^{(2),(2,2)} \oplus 25V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 222V^{(1,1),(1,1)} \oplus 68V^{(1,1),(3)} \oplus 84V^{(1,1),(2,1)} \oplus 9V^{(1,1),(3,1)} \oplus 9V^{(1,1),(2,2)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 88V^{(2,1),(2)} \oplus 72V^{(2,1),(1,1)} \oplus 13V^{(2,1),(3)} \oplus 15V^{(2,1),(2,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 88V^{(1,1,1),(2)} \oplus 72V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(3)} \oplus 15V^{(1,1,1),(2,1)} \oplus 10V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 7V^{(2,2),(2)} \oplus 6V^{(2,2),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 7V^{(2,1,1),(1,1)} \oplus 10V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 7V^{(1,1,1,1),(2)} \oplus 6V^{(1,1,1,1),(1,1)} \oplus 5V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)} \oplus 5V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(3,3)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 102V^{(2),(1,1)} \oplus 60V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 24V^{(2),(3,1)} \oplus 24V^{(2),(2,2)} \oplus 2V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 28V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,2)} \oplus 3V^{(1,1),(3,2)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 28V^{(2,1),(3)} \oplus 36V^{(2,1),(2,1)} \oplus 7V^{(2,1),(3,1)} \oplus 7V^{(2,1),(2,2)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(3)} \oplus 36V^{(1,1,1),(2,1)} \oplus 7V^{(1,1,1),(3,1)} \oplus 7V^{(1,1,1),(2,2)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 24V^{(2,2),(1,1)} \oplus 4V^{(2,2),(3)} \oplus 5V^{(2,2),(2,1)} \oplus 50V^{(2,1,1),(1)} \oplus 36V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 5V^{(2,1,1),(3)} \oplus 7V^{(2,1,1),(2,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 24V^{(1,1,1,1),(1,1)} \oplus 4V^{(1,1,1,1),(3)} \oplus 5V^{(1,1,1,1),(2,1)} \oplus 26V^{(2,2,1),(1)} \oplus 3V^{(2,2,1),(2)} \oplus 2V^{(2,2,1),(1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 3V^{(2,1,1,1),(2)} \oplus 2V^{(2,1,1,1),(1,1)} \oplus V^{(2,2,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(3,3)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus 10V^{(1,1),(3,2)} \oplus V^{(1,1),(3,3)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(3)} \oplus 26V^{(2,1),(2,1)} \oplus 12V^{(2,1),(3,1)} \oplus 12V^{(2,1),(2,2)} \oplus 3V^{(2,1),(3,2)} \oplus 24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(3)} \oplus 26V^{(1,1,1),(2,1)} \oplus 12V^{(1,1,1),(3,1)} \oplus 12V^{(1,1,1),(2,2)} \oplus 3V^{(1,1,1),(3,2)} \oplus 18V^{(2,2),(2)} \oplus 18V^{(2,2),(1,1)} \oplus 10V^{(2,2),(3)} \oplus 12V^{(2,2),(2,1)} \oplus 4V^{(2,2),(3,1)} \oplus$

Table 94: Table for $\lambda = (2,2,1,1)$, $\mu = (3,2,1)$:

$k = 12: \quad 46V^{\varnothing,\varnothing}$
$k = 11: \quad 1177V^{\varnothing,\varnothing} \oplus 106V^{\varnothing,(1)} \oplus 154V^{(1),\varnothing}$
$k = 10: \quad 1978V^{\varnothing,\varnothing} \oplus 1198V^{\varnothing,(1)} \oplus 37V^{\varnothing,(2)} \oplus 37V^{\varnothing,(1,1)} \oplus 1328V^{(1),\varnothing} \oplus 335V^{(1),(1)} \oplus 39V^{(2),\varnothing} \oplus 42V^{(1,1),\varnothing}$
$k = 9: \quad 1598V^{\varnothing,\varnothing} \oplus 1764V^{\varnothing,(1)} \oplus 478V^{\varnothing,(2)} \oplus 478V^{\varnothing,(1,1)} \oplus 10V^{\varnothing,(3)} \oplus 14V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(1,1,1)} \oplus 2024V^{(1),\varnothing} \oplus 1628V^{(1),(1)} \oplus 119V^{(1),(2)} \oplus 119V^{(1),(1,1)} \oplus 392V^{(2),\varnothing} \oplus 123V^{(2),(1)} \oplus 536V^{(1,1),\varnothing} \oplus 131V^{(1,1),(1)} \oplus 12V^{(2,1),\varnothing} \oplus 12V^{(1,1,1),\varnothing}$
$k = 8: \quad 936V^{\varnothing,\varnothing} \oplus 1144V^{\varnothing,(1)} \oplus 570V^{\varnothing,(2)} \oplus 570V^{\varnothing,(1,1)} \oplus 128V^{\varnothing,(3)} \oplus 252V^{\varnothing,(2,1)} \oplus 128V^{\varnothing,(1,1,1)} \oplus 4V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 1632V^{(1),\varnothing} \oplus 2222V^{(1),(1)} \oplus 624V^{(1),(2)} \oplus 624V^{(1),(1,1)} \oplus 29V^{(1),(3)} \oplus 37V^{(1),(2,1)} \oplus 29V^{(1),(1,1,1)} \oplus 510V^{(2),\varnothing} \oplus 508V^{(2),(1)} \oplus 75V^{(2),(2)} \oplus 75V^{(2),(1,1)} \oplus 696V^{(1,1),\varnothing} \oplus 636V^{(1,1),(1)} \oplus 83V^{(1,1),(2)} \oplus 83V^{(1,1),(1,1)} \oplus 208V^{(2,1),\varnothing} \oplus 35V^{(2,1),(1)} \oplus 208V^{(1,1,1),\varnothing} \oplus 35V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 264V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 268V^{\varnothing,(2)} \oplus 268V^{\varnothing,(1,1)} \oplus 104V^{\varnothing,(3)} \oplus 204V^{\varnothing,(2,1)} \oplus 104V^{\varnothing,(1,1,1)} \oplus 70V^{\varnothing,(3,1)} \oplus 70V^{\varnothing,(2,2)} \oplus 70V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(3,2)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 880V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 176V^{(1),(3)} \oplus 272V^{(1),(2,1)} \oplus 176V^{(1),(1,1,1)} \oplus 9V^{(1),(3,1)} \oplus 9V^{(1),(2,2)} \oplus 9V^{(1),(2,1,1)} \oplus 336V^{(2),\varnothing} \oplus 630V^{(2),(1)} \oplus 216V^{(2),(2)} \oplus 216V^{(2),(1,1)} \oplus 22V^{(2),(3)} \oplus 28V^{(2),(2,1)} \oplus 22V^{(2),(1,1,1)} \oplus 416V^{(1,1),\varnothing} \oplus 774V^{(1,1),(1)} \oplus 272V^{(1,1),(2)} \oplus 272V^{(1,1),(1,1)} \oplus 27V^{(1,1),(3)} \oplus 37V^{(1,1),(2,1)} \oplus 27V^{(1,1),(1,1,1)} \oplus 196V^{(2,1),\varnothing} \oplus 232V^{(2,1),(1)} \oplus 35V^{(2,1),(2)} \oplus 35V^{(2,1),(1,1)} \oplus 196V^{(1,1,1),\varnothing} \oplus 232V^{(1,1,1),(1)} \oplus 35V^{(1,1,1),(2)} \oplus 35V^{(1,1,1),(1,1)} \oplus 58V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus 84V^{(2,1,1),\varnothing} \oplus 11V^{(2,1,1),(1)} \oplus 58V^{(1,1,1,1),\varnothing} \oplus 9V^{(1,1,1,1),(1)} \oplus V^{(2,2,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(3)} \oplus 27V^{\varnothing,(2,1)} \oplus 27V^{\varnothing,(1,1,1)} \oplus 18V^{\varnothing,(3,1)} \oplus 18V^{\varnothing,(2,2)} \oplus 18V^{\varnothing,(2,1,1)} \oplus 9V^{\varnothing,(3,2)} \oplus 9V^{\varnothing,(3,1,1)} \oplus 9V^{\varnothing,(2,2,1)} \oplus 256V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 258V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 92V^{(1),(3,1)} \oplus 92V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 3V^{(1),(3,2)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 128V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 222V^{(2),(2)} \oplus 222V^{(2),(1,1)} \oplus 64V^{(2),(3)} \oplus 88V^{(2),(2,1)} \oplus 64V^{(2),(1,1,1)} \oplus 7V^{(2),(3,1)} \oplus 7V^{(2),(2,2)} \oplus 7V^{(2),(2,1,1)} \oplus 128V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 270V^{(1,1),(2)} \oplus 270V^{(1,1),(1,1)} \oplus 80V^{(1,1),(3)} \oplus 124V^{(1,1),(2,1)} \oplus 80V^{(1,1),(1,1,1)} \oplus 11V^{(1,1),(3,1)} \oplus 11V^{(1,1),(2,2)} \oplus 11V^{(1,1),(2,1,1)} \oplus 64V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 96V^{(2,1),(2)} \oplus 96V^{(2,1),(1,1)} \oplus 17V^{(2,1),(3)} \oplus 25V^{(2,1),(2,1)} \oplus 17V^{(2,1),(1,1,1)} \oplus 64V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 96V^{(1,1,1),(2)} \oplus 96V^{(1,1,1),(1,1)} \oplus 17V^{(1,1,1),(3)} \oplus 25V^{(1,1,1),(2,1)} \oplus 17V^{(1,1,1),(1,1,1)} \oplus 32V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 9V^{(2,2),(2)} \oplus 9V^{(2,2),(1,1)} \oplus 32V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 11V^{(2,1,1),(2)} \oplus 11V^{(2,1,1),(1,1)} \oplus 32V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 9V^{(1,1,1,1),(2)} \oplus 9V^{(1,1,1,1),(1,1)} \oplus 16V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)} \oplus 16V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(3,2)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(3,2,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 60V^{(2),(3)} \oplus 72V^{(2),(2,1)} \oplus 60V^{(2),(1,1,1)} \oplus 28V^{(2),(3,1)} \oplus 28V^{(2),(2,2)} \oplus 28V^{(2),(2,1,1)} \oplus 2V^{(2),(3,2)} \oplus 2V^{(2),(3,1,1)} \oplus 2V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 90V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 36V^{(1,1),(3,1)} \oplus 36V^{(1,1),(2,2)} \oplus 36V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(3,2)} \oplus 3V^{(1,1),(3,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 32V^{(2,1),(3)} \oplus 52V^{(2,1),(2,1)} \oplus 32V^{(2,1),(1,1,1)} \oplus 9V^{(2,1),(3,1)} \oplus 9V^{(2,1),(2,2)} \oplus 9V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 32V^{(1,1,1),(3)} \oplus 52V^{(1,1,1),(2,1)} \oplus 32V^{(1,1,1),(1,1,1)} \oplus 9V^{(1,1,1),(3,1)} \oplus 9V^{(1,1,1),(2,2)} \oplus 9V^{(1,1,1),(2,1,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 6V^{(2,2),(3)} \oplus 10V^{(2,2),(2,1)} \oplus 6V^{(2,2),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 36V^{(2,1,1),(2)} \oplus 36V^{(2,1,1),(1,1)} \oplus 7V^{(2,1,1),(3)} \oplus 13V^{(2,1,1),(2,1)} \oplus 7V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 6V^{(1,1,1,1),(3)} \oplus 10V^{(1,1,1,1),(2,1)} \oplus 6V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(2,2,1),(1)} \oplus$

Table 95: Table for $\lambda = (2,2,1,1)$, $\mu = (3,1,1,1)$:

$k = 12: \quad 34V^{\varnothing,\varnothing}$
$k = 11: \quad 1102V^{\varnothing,\varnothing} \oplus 92V^{\varnothing,(1)} \oplus 114V^{(1),\varnothing}$
$k = 10: \quad 1864V^{\varnothing,\varnothing} \oplus 1170V^{\varnothing,(1)} \oplus 30V^{\varnothing,(2)} \oplus 32V^{\varnothing,(1,1)} \oplus 1160V^{(1),\varnothing} \oplus 287V^{(1),(1)} \oplus 36V^{(2),\varnothing} \oplus 39V^{(1,1),\varnothing}$
$k = 9: \quad 1490V^{\varnothing,\varnothing} \oplus 1764V^{\varnothing,(1)} \oplus 418V^{\varnothing,(2)} \oplus 458V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1724V^{(1),\varnothing} \oplus 1580V^{(1),(1)} \oplus 97V^{(1),(2)} \oplus 101V^{(1),(1,1)} \oplus 332V^{(2),\varnothing} \oplus 99V^{(2),(1)} \oplus 476V^{(1,1),\varnothing} \oplus 107V^{(1,1),(1)} \oplus 12V^{(2,1),\varnothing} \oplus 12V^{(1,1,1),\varnothing}$
$k = 8:$ $828V^{\varnothing,\varnothing} \oplus 1144V^{\varnothing,(1)} \oplus 534V^{\varnothing,(2)} \oplus 570V^{\varnothing,(1,1)} \oplus 108V^{\varnothing,(3)} \oplus 180V^{\varnothing,(2,1)} \oplus 180V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1296V^{(1),\varnothing} \oplus 2222V^{(1),(1)} \oplus 556V^{(1),(2)} \oplus 588V^{(1),(1,1)} \oplus 25V^{(1),(3)} \oplus 31V^{(1),(2,1)} \oplus 31V^{(1),(1,1,1)} \oplus 402V^{(2),\varnothing} \oplus 508V^{(2),(1)} \oplus 59V^{(2),(2)} \oplus 63V^{(2),(1,1)} \oplus 588V^{(1,1),\varnothing} \oplus 636V^{(1,1),(1)} \oplus 65V^{(1,1),(2)} \oplus 71V^{(1,1),(1,1)} \oplus 184V^{(2,1),\varnothing} \oplus 35V^{(2,1),(1)} \oplus 184V^{(1,1,1),\varnothing} \oplus 35V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 210V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 268V^{\varnothing,(2)} \oplus 268V^{\varnothing,(1,1)} \oplus 104V^{\varnothing,(3)} \oplus 154V^{\varnothing,(2,1)} \oplus 154V^{\varnothing,(1,1,1)} \oplus 44V^{\varnothing,(3,1)} \oplus 70V^{\varnothing,(2,1,1)} \oplus 44V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(3,1)} \oplus 9V^{(1),(2,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus 240V^{(2),\varnothing} \oplus 630V^{(2),(1)} \oplus 188V^{(2),(2)} \oplus 204V^{(2),(1,1)} \oplus 18V^{(2),(3)} \oplus 23V^{(2),(2,1)} \oplus 23V^{(2),(1,1,1)} \oplus 320V^{(1,1),\varnothing} \oplus 774V^{(1,1),(1)} \oplus 236V^{(1,1),(2)} \oplus 260V^{(1,1),(1,1)} \oplus 21V^{(1,1),(3)} \oplus 29V^{(1,1),(2,1)} \oplus 29V^{(1,1),(1,1,1)} \oplus 160V^{(2,1),\varnothing} \oplus 232V^{(2,1),(1)} \oplus 25V^{(2,1),(2)} \oplus 29V^{(2,1),(1,1)} \oplus 160V^{(1,1,1),\varnothing} \oplus 232V^{(1,1,1),(1)} \oplus 25V^{(1,1,1),(2)} \oplus 29V^{(1,1,1),(1,1)} \oplus 46V^{(2,2),\varnothing} \oplus 9V^{(2,2),(1)} \oplus 72V^{(2,1,1),\varnothing} \oplus 11V^{(2,1,1),(1)} \oplus 46V^{(1,1,1,1),\varnothing} \oplus 9V^{(1,1,1,1),(1)} \oplus V^{(2,2,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6:$ $81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(3)} \oplus 27V^{\varnothing,(2,1)} \oplus 27V^{\varnothing,(1,1,1)} \oplus 18V^{\varnothing,(3,1)} \oplus 18V^{\varnothing,(2,1,1)} \oplus 18V^{\varnothing,(1,1,1,1)} \oplus 9V^{\varnothing,(3,1,1)} \oplus 9V^{\varnothing,(2,1,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(3,1)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 70V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 214V^{(2),(2)} \oplus 222V^{(2),(1,1)} \oplus 56V^{(2),(3)} \oplus 72V^{(2),(2,1)} \oplus 72V^{(2),(1,1,1)} \oplus 6V^{(2),(3,1)} \oplus 7V^{(2),(2,1,1)} \oplus 6V^{(2),(1,1,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 270V^{(1,1),(1,1)} \oplus 68V^{(1,1),(3)} \oplus 96V^{(1,1),(2,1)} \oplus 96V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(3,1)} \oplus 11V^{(1,1),(2,1,1)} \oplus 9V^{(1,1),(1,1,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 88V^{(2,1),(2)} \oplus 96V^{(2,1),(1,1)} \oplus 13V^{(2,1),(3)} \oplus 19V^{(2,1),(2,1)} \oplus 19V^{(2,1),(1,1,1)} \oplus 40V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 88V^{(1,1,1),(2)} \oplus 96V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(3)} \oplus 19V^{(1,1,1),(2,1)} \oplus 19V^{(1,1,1),(1,1,1)} \oplus 20V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 7V^{(2,2),(2)} \oplus 9V^{(2,2),(1,1)} \oplus 20V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 11V^{(2,1,1),(1,1)} \oplus 20V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 7V^{(1,1,1,1),(2)} \oplus 9V^{(1,1,1,1),(1,1)} \oplus 10V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)} \oplus 10V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(3,1,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 60V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 24V^{(2),(3,1)} \oplus 28V^{(2),(2,1,1)} \oplus 24V^{(2),(1,1,1,1)} \oplus 2V^{(2),(3,1,1)} \oplus 2V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(3,1)} \oplus 36V^{(1,1),(2,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(3,1,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 78V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 28V^{(2,1),(3)} \oplus 40V^{(2,1),(2,1)} \oplus 40V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(3,1)} \oplus 9V^{(2,1),(2,1,1)} \oplus 7V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(3)} \oplus 40V^{(1,1,1),(2,1)} \oplus 40V^{(1,1,1),(1,1,1)} \oplus 7V^{(1,1,1),(3,1)} \oplus 9V^{(1,1,1),(2,1,1)} \oplus 7V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 28V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 4V^{(2,2),(3)} \oplus 7V^{(2,2),(2,1)} \oplus 7V^{(2,2),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 36V^{(2,1,1),(2)} \oplus 36V^{(2,1,1),(1,1)} \oplus 5V^{(2,1,1),(3)} \oplus 9V^{(2,1,1),(2,1)} \oplus 9V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus$

Table 96: Table for $\lambda = (2,2,1,1)$, $\mu = (2,2,2)$:

$k = 12: \quad 46V^{\varnothing,\varnothing}$
$k = 11: \quad 1078V^{\varnothing,\varnothing} \oplus 71V^{\varnothing,(1)} \oplus 72V^{(1),\varnothing}$
$k = 10: \quad 1780V^{\varnothing,\varnothing} \oplus 1022V^{\varnothing,(1)} \oplus 24V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 982V^{(1),\varnothing} \oplus 217V^{(1),(1)} \oplus 28V^{(2),\varnothing} \oplus 31V^{(1,1),\varnothing}$
$k = 9: \quad 1400V^{\varnothing,\varnothing} \oplus 1626V^{\varnothing,(1)} \oplus 294V^{\varnothing,(2)} \oplus 398V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(2,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1456V^{(1),\varnothing} \oplus 1396V^{(1),(1)} \oplus 77V^{(1),(2)} \oplus 79V^{(1),(1,1)} \oplus 274V^{(2),\varnothing} \oplus 59V^{(2),(1)} \oplus 418V^{(1,1),\varnothing} \oplus 65V^{(1,1),(1)} \oplus 11V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 738V^{\varnothing,\varnothing} \oplus 1096V^{\varnothing,(1)} \oplus 384V^{\varnothing,(2)} \oplus 534V^{\varnothing,(1,1)} \oplus 160V^{\varnothing,(2,1)} \oplus 108V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 936V^{(1),\varnothing} \oplus 2114V^{(1),(1)} \oplus 440V^{(1),(2)} \oplus 520V^{(1),(1,1)} \oplus 27V^{(1),(2,1)} \oplus 25V^{(1),(1,1,1)} \oplus 312V^{(2),\varnothing} \oplus 452V^{(2),(1)} \oplus 46V^{(2),(2)} \oplus 47V^{(2),(1,1)} \oplus 498V^{(1,1),\varnothing} \oplus 564V^{(1,1),(1)} \oplus 51V^{(1,1),(2)} \oplus 53V^{(1,1),(1,1)} \oplus 164V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 164V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 165V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 188V^{\varnothing,(2)} \oplus 268V^{\varnothing,(1,1)} \oplus 154V^{\varnothing,(2,1)} \oplus 104V^{\varnothing,(1,1,1)} \oplus 44V^{\varnothing,(2,2)} \oplus 44V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 365V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 606V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 200V^{(1),(2,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(2,2)} \oplus 7V^{(1),(2,1,1)} \oplus 140V^{(2),\varnothing} \oplus 606V^{(2),(1)} \oplus 160V^{(2),(2)} \oplus 176V^{(2),(1,1)} \oplus 19V^{(2),(2,1)} \oplus 18V^{(2),(1,1,1)} \oplus 220V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 192V^{(1,1),(2)} \oplus 224V^{(1,1),(1,1)} \oplus 23V^{(1,1),(2,1)} \oplus 21V^{(1,1),(1,1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 17V^{(2,1),(2)} \oplus 19V^{(2,1),(1,1)} \oplus 130V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 17V^{(1,1,1),(2)} \oplus 19V^{(1,1,1),(1,1)} \oplus 36V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus 62V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus 36V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(2,2,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6:$ $81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(2,1)} \oplus 27V^{\varnothing,(1,1,1)} \oplus 18V^{\varnothing,(2,2)} \oplus 18V^{\varnothing,(2,1,1)} \oplus 9V^{\varnothing,(2,2,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 25V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 196V^{(2),(2)} \oplus 214V^{(2),(1,1)} \oplus 64V^{(2),(2,1)} \oplus 56V^{(2),(1,1,1)} \oplus 6V^{(2),(2,2)} \oplus 6V^{(2),(2,1,1)} \oplus 25V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 222V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 84V^{(1,1),(2,1)} \oplus 68V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(2,2)} \oplus 9V^{(1,1),(2,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 72V^{(2,1),(2)} \oplus 88V^{(2,1),(1,1)} \oplus 15V^{(2,1),(2,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 72V^{(1,1,1),(2)} \oplus 88V^{(1,1,1),(1,1)} \oplus 15V^{(1,1,1),(2,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus 10V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 6V^{(2,2),(2)} \oplus 7V^{(2,2),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 7V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 10V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 6V^{(1,1,1,1),(2)} \oplus 7V^{(1,1,1,1),(1,1)} \oplus 5V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)} \oplus 5V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(2,2,2)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(2,1)} \oplus 60V^{(2),(1,1,1)} \oplus 24V^{(2),(2,2)} \oplus 24V^{(2),(2,1,1)} \oplus 2V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,2)} \oplus 28V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 36V^{(2,1),(2,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(2,2)} \oplus 7V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 36V^{(1,1,1),(2,1)} \oplus 28V^{(1,1,1),(1,1,1)} \oplus 7V^{(1,1,1),(2,2)} \oplus 7V^{(1,1,1),(2,1,1)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 5V^{(2,2),(2,1)} \oplus 4V^{(2,2),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 36V^{(2,1,1),(1,1)} \oplus 7V^{(2,1,1),(2,1)} \oplus 5V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 24V^{(1,1,1,1),(2)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 5V^{(1,1,1,1),(2,1)} \oplus 4V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 2V^{(2,2,1),(2)} \oplus 3V^{(2,2,1),(1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 2V^{(2,1,1,1),(2)} \oplus 3V^{(2,1,1,1),(1,1)} \oplus V^{(2,2,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus V^{(2),(2,2,2)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,2)} \oplus 18V^{(1,1),(2,1,1)} \oplus 10V^{(1,1),(2,2,1)} \oplus V^{(1,1),(2,2,2)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 26V^{(2,1),(2,1)} \oplus 22V^{(2,1),(1,1,1)} \oplus 12V^{(2,1),(2,2)} \oplus 12V^{(2,1),(2,1,1)} \oplus$	

Table 97: Table for $\lambda = (2,2,1,1)$, $\mu = (2,2,1,1)$:

$k = 12: \quad 144V^{\varnothing,\varnothing}$
$k = 11: \quad 1134V^{\varnothing,\varnothing} \oplus 90V^{\varnothing,(1)} \oplus 90V^{(1),\varnothing}$
$k = 10: \quad 1854V^{\varnothing,\varnothing} \oplus 1090V^{\varnothing,(1)} \oplus 29V^{\varnothing,(2)} \oplus 32V^{\varnothing,(1,1)} \oplus 1090V^{(1),\varnothing} \oplus 283V^{(1),(1)} \oplus 29V^{(2),\varnothing} \oplus 32V^{(1,1),\varnothing}$
$k = 9: \quad 1472V^{\varnothing,\varnothing} \oplus 1656V^{\varnothing,(1)} \oplus 314V^{\varnothing,(2)} \oplus 458V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1656V^{(1),\varnothing} \oplus 1516V^{(1),(1)} \oplus 95V^{(1),(2)} \oplus 101V^{(1),(1,1)} \oplus 314V^{(2),\varnothing} \oplus 95V^{(2),(1)} \oplus 458V^{(1,1),\varnothing} \oplus 101V^{(1,1),(1)} \oplus 11V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 891V^{\varnothing,\varnothing} \oplus 1096V^{\varnothing,(1)} \oplus 384V^{\varnothing,(2)} \oplus 570V^{\varnothing,(1,1)} \oplus 180V^{\varnothing,(2,1)} \oplus 180V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1096V^{(1),\varnothing} \oplus 2150V^{(1),(1)} \oplus 476V^{(1),(2)} \oplus 588V^{(1),(1,1)} \oplus 31V^{(1),(2,1)} \oplus 31V^{(1),(1,1,1)} \oplus 384V^{(2),\varnothing} \oplus 476V^{(2),(1)} \oplus 58V^{(2),(2)} \oplus 63V^{(2),(1,1)} \oplus 570V^{(1,1),\varnothing} \oplus 588V^{(1,1),(1)} \oplus 63V^{(1,1),(2)} \oplus 71V^{(1,1),(1,1)} \oplus 180V^{(2,1),\varnothing} \oplus 31V^{(2,1),(1)} \oplus 180V^{(1,1,1),\varnothing} \oplus 31V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 282V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 188V^{\varnothing,(2)} \oplus 268V^{\varnothing,(1,1)} \oplus 154V^{\varnothing,(2,1)} \oplus 154V^{\varnothing,(1,1,1)} \oplus 44V^{\varnothing,(2,2)} \oplus 70V^{\varnothing,(2,1,1)} \oplus 44V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 510V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 606V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 216V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(2,2)} \oplus 9V^{(1),(2,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus 188V^{(2),\varnothing} \oplus 606V^{(2),(1)} \oplus 172V^{(2),(2)} \oplus 204V^{(2),(1,1)} \oplus 23V^{(2),(2,1)} \oplus 23V^{(2),(1,1,1)} \oplus 268V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 204V^{(1,1),(2)} \oplus 260V^{(1,1),(1,1)} \oplus 29V^{(1,1),(2,1)} \oplus 29V^{(1,1),(1,1,1)} \oplus 154V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 23V^{(2,1),(2)} \oplus 29V^{(2,1),(1,1)} \oplus 154V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 23V^{(1,1,1),(2)} \oplus 29V^{(1,1,1),(1,1)} \oplus 44V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus 70V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus 44V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(2,2,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 81V^{\varnothing,\varnothing} \oplus 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(2,1)} \oplus 27V^{\varnothing,(1,1,1)} \oplus 18V^{\varnothing,(2,2)} \oplus 18V^{\varnothing,(2,1,1)} \oplus 18V^{\varnothing,(1,1,1,1)} \oplus 9V^{\varnothing,(2,2,1)} \oplus 9V^{\varnothing,(2,1,1,1)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 54V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 196V^{(2),(2)} \oplus 222V^{(2),(1,1)} \oplus 72V^{(2),(2,1)} \oplus 72V^{(2),(1,1,1)} \oplus 6V^{(2),(2,2)} \oplus 7V^{(2),(2,1,1)} \oplus 6V^{(2),(1,1,1,1)} \oplus 54V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 222V^{(1,1),(2)} \oplus 270V^{(1,1),(1,1)} \oplus 96V^{(1,1),(2,1)} \oplus 96V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(2,2)} \oplus 11V^{(1,1),(2,1,1)} \oplus 9V^{(1,1),(1,1,1,1)} \oplus 27V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 72V^{(2,1),(2)} \oplus 96V^{(2,1),(1,1)} \oplus 19V^{(2,1),(2,1)} \oplus 19V^{(2,1),(1,1,1)} \oplus 27V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 72V^{(1,1,1),(2)} \oplus 96V^{(1,1,1),(1,1)} \oplus 19V^{(1,1,1),(2,1)} \oplus 19V^{(1,1,1),(1,1,1)} \oplus 18V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 6V^{(2,2),(2)} \oplus 9V^{(2,2),(1,1)} \oplus 18V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 7V^{(2,1,1),(2)} \oplus 11V^{(2,1,1),(1,1)} \oplus 18V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 6V^{(1,1,1,1),(2)} \oplus 9V^{(1,1,1,1),(1,1)} \oplus 9V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)} \oplus 9V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(2,2,1,1)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 24V^{(2),(2,2)} \oplus 28V^{(2),(2,1,1)} \oplus 24V^{(2),(1,1,1,1)} \oplus 2V^{(2),(2,2,1)} \oplus 2V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,2)} \oplus 36V^{(1,1),(2,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 40V^{(2,1),(2,1)} \oplus 40V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(2,2)} \oplus 9V^{(2,1),(2,1,1)} \oplus 7V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 40V^{(1,1,1),(2,1)} \oplus 40V^{(1,1,1),(1,1,1)} \oplus 7V^{(1,1,1),(2,2)} \oplus 9V^{(1,1,1),(2,1,1)} \oplus 7V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 7V^{(2,2),(2,1)} \oplus 7V^{(2,2),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 36V^{(2,1,1),(1,1)} \oplus 9V^{(2,1,1),(2,1)} \oplus 9V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 24V^{(1,1,1,1),(2)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 7V^{(1,1,1,1),(2,1)} \oplus 7V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 2V^{(2,2,1),(2)} \oplus 3V^{(2,2,1),(1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 2V^{(2,1,1,1),(2)} \oplus 3V^{(2,1,1,1),(1,1)} \oplus V^{(2,2,1,1),(1)}$
$k = 4:$

Table 98: Table for $\lambda = (2,2,1,1)$, $\mu = (2,1,1,1,1)$:

$k = 12: \quad 34V^{\varnothing,\varnothing}$
$k = 11: \quad 1057V^{\varnothing,\varnothing} \oplus 85V^{\varnothing,(1)} \oplus 58V^{(1),\varnothing}$
$k = 10: \quad 1774V^{\varnothing,\varnothing} \oplus 1050V^{\varnothing,(1)} \oplus 22V^{\varnothing,(2)} \oplus 30V^{\varnothing,(1,1)} \oplus 970V^{(1),\varnothing} \oplus 265V^{(1),(1)} \oplus 25V^{(2),\varnothing} \oplus 28V^{(1,1),\varnothing}$
$k = 9: \quad 1400V^{\varnothing,\varnothing} \oplus 1626V^{\varnothing,(1)} \oplus 254V^{\varnothing,(2)} \oplus 418V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1456V^{(1),\varnothing} \oplus 1444V^{(1),(1)} \oplus 73V^{(1),(2)} \oplus 97V^{(1),(1,1)} \oplus 274V^{(2),\varnothing} \oplus 83V^{(2),(1)} \oplus 418V^{(1,1),\varnothing} \oplus 89V^{(1,1),(1)} \oplus 11V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 738V^{\varnothing,\varnothing} \oplus 1096V^{\varnothing,(1)} \oplus 348V^{\varnothing,(2)} \oplus 534V^{\varnothing,(1,1)} \oplus 108V^{\varnothing,(2,1)} \oplus 180V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 4V^{\varnothing,(1,1,1,1)} \oplus 936V^{(1),\varnothing} \oplus 2114V^{(1),(1)} \oplus 408V^{(1),(2)} \oplus 556V^{(1),(1,1)} \oplus 25V^{(1),(2,1)} \oplus 31V^{(1),(1,1,1)} \oplus 312V^{(2),\varnothing} \oplus 452V^{(2),(1)} \oplus 42V^{(2),(2)} \oplus 59V^{(2),(1,1)} \oplus 498V^{(1,1),\varnothing} \oplus 564V^{(1,1),(1)} \oplus 45V^{(1,1),(2)} \oplus 65V^{(1,1),(1,1)} \oplus 164V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 164V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 165V^{\varnothing,\varnothing} \oplus 510V^{\varnothing,(1)} \oplus 188V^{\varnothing,(2)} \oplus 268V^{\varnothing,(1,1)} \oplus 104V^{\varnothing,(2,1)} \oplus 154V^{\varnothing,(1,1,1)} \oplus 44V^{\varnothing,(2,1,1)} \oplus 70V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus 340V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 160V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(2,1,1)} \oplus 9V^{(1),(1,1,1,1)} \oplus 140V^{(2),\varnothing} \oplus 606V^{(2),(1)} \oplus 144V^{(2),(2)} \oplus 188V^{(2),(1,1)} \oplus 18V^{(2),(2,1)} \oplus 23V^{(2),(1,1,1)} \oplus 220V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 168V^{(1,1),(2)} \oplus 236V^{(1,1),(1,1)} \oplus 21V^{(1,1),(2,1)} \oplus 29V^{(1,1),(1,1,1)} \oplus 130V^{(2,1),\varnothing} \oplus 216V^{(2,1),(1)} \oplus 13V^{(2,1),(2)} \oplus 25V^{(2,1),(1,1)} \oplus 130V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 13V^{(1,1,1),(2)} \oplus 25V^{(1,1,1),(1,1)} \oplus 36V^{(2,2),\varnothing} \oplus 7V^{(2,2),(1)} \oplus 62V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus 36V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(2,2,1),\varnothing} \oplus V^{(2,1,1,1),\varnothing}$
$k = 6: \quad 81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(2)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(2,1)} \oplus 27V^{\varnothing,(1,1,1)} \oplus 18V^{\varnothing,(2,1,1)} \oplus 18V^{\varnothing,(1,1,1,1)} \oplus 9V^{\varnothing,(2,1,1,1)} \oplus 9V^{\varnothing,(1,1,1,1,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,1,1)} \oplus 92V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus 20V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 188V^{(2),(2)} \oplus 214V^{(2),(1,1)} \oplus 56V^{(2),(2,1)} \oplus 72V^{(2),(1,1,1)} \oplus 6V^{(2),(2,1,1)} \oplus 7V^{(2),(1,1,1,1)} \oplus 20V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 210V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 68V^{(1,1),(2,1)} \oplus 96V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(2,1,1)} \oplus 11V^{(1,1),(1,1,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 222V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 88V^{(2,1),(1,1)} \oplus 13V^{(2,1),(2,1)} \oplus 19V^{(2,1),(1,1,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus 88V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(2,1)} \oplus 19V^{(1,1,1),(1,1,1)} \oplus 10V^{(2,2),\varnothing} \oplus 72V^{(2,2),(1)} \oplus 4V^{(2,2),(2)} \oplus 7V^{(2,2),(1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 92V^{(2,1,1),(1)} \oplus 5V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 10V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 4V^{(1,1,1,1),(2)} \oplus 7V^{(1,1,1,1),(1,1)} \oplus 5V^{(2,2,1),\varnothing} \oplus 3V^{(2,2,1),(1)} \oplus 5V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus V^{(1),(2,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 60V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 24V^{(2),(2,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 2V^{(2),(2,1,1,1)} \oplus 2V^{(2),(1,1,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,1,1)} \oplus 36V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 3V^{(1,1),(1,1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 78V^{(2,1),(1,1)} \oplus 28V^{(2,1),(2,1)} \oplus 40V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(2,1,1)} \oplus 9V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(2,1)} \oplus 40V^{(1,1,1),(1,1,1)} \oplus 7V^{(1,1,1),(2,1,1)} \oplus 9V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(2)} \oplus 28V^{(2,2),(1,1)} \oplus 4V^{(2,2),(2,1)} \oplus 7V^{(2,2),(1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 36V^{(2,1,1),(1,1)} \oplus 5V^{(2,1,1),(2,1)} \oplus 9V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 24V^{(1,1,1,1),(2)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 4V^{(1,1,1,1),(2,1)} \oplus 7V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 2V^{(2,2,1),(2)} \oplus 3V^{(2,2,1),(1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 2V^{(2,1,1,1),(2)} \oplus 3V^{(2,1,1,1),(1,1)} \oplus V^{(2,2,1,1),(1)}$
$k = 4:$
$24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(2,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus V^{(2),(2,1,1,1,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus$

Table 99: Table for $\lambda = (2,2,1,1)$, $\mu = (1,1,1,1,1,1)$:

$k = 12: \quad 4V^{\varnothing,\varnothing}$
$k = 11: \quad 805V^{\varnothing,\varnothing} \oplus 63V^{\varnothing,(1)} \oplus 11V^{(1),\varnothing}$
$k = 10:$ $1441V^{\varnothing,\varnothing} \oplus 642V^{\varnothing,(1)} \oplus 22V^{\varnothing,(1,1)} \oplus 654V^{(1),\varnothing} \oplus 193V^{(1),(1)} \oplus 7V^{(2),\varnothing} \oplus 9V^{(1,1),\varnothing}$
$k = 9: \quad 1199V^{\varnothing,\varnothing} \oplus 1038V^{\varnothing,(1)} \oplus 254V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1051V^{(1),\varnothing} \oplus 1060V^{(1),(1)} \oplus$ $73V^{(1),(1,1)} \oplus 162V^{(2),\varnothing} \oplus 42V^{(2),(1)} \oplus 286V^{(1,1),\varnothing} \oplus 45V^{(1,1),(1)} \oplus 6V^{(2,1),\varnothing} \oplus 6V^{(1,1,1),\varnothing}$
$k = 8: \quad 633V^{\varnothing,\varnothing} \oplus 728V^{\varnothing,(1)} \oplus 348V^{\varnothing,(1,1)} \oplus 108V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus$ $704V^{(1),\varnothing} \oplus 1682V^{(1),(1)} \oplus 408V^{(1),(1,1)} \oplus 25V^{(1),(1,1,1)} \oplus 195V^{(2),\varnothing} \oplus 356V^{(2),(1)} \oplus$ $42V^{(2),(1,1)} \oplus 363V^{(1,1),\varnothing} \oplus 412V^{(1,1),(1)} \oplus 45V^{(1,1),(1,1)} \oplus 128V^{(2,1),\varnothing} \oplus 13V^{(2,1),(1)} \oplus$ $128V^{(1,1,1),\varnothing} \oplus 13V^{(1,1,1),(1)} \oplus 3V^{(2,2),\varnothing} \oplus 4V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 390V^{\varnothing,(1)} \oplus 188V^{\varnothing,(1,1)} \oplus 104V^{\varnothing,(1,1,1)} \oplus 44V^{\varnothing,(1,1,1,1)} \oplus$ $V^{\varnothing,(1,1,1,1,1)} \oplus 245V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 582V^{(1),(1,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus$ $84V^{(2),\varnothing} \oplus 528V^{(2),(1)} \oplus 144V^{(2),(1,1)} \oplus 18V^{(2),(1,1,1)} \oplus 164V^{(1,1),\varnothing} \oplus 594V^{(1,1),(1)} \oplus$ $168V^{(1,1),(1,1)} \oplus 21V^{(1,1),(1,1,1)} \oplus 103V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus 13V^{(2,1),(1,1)} \oplus$ $103V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 13V^{(1,1,1),(1,1)} \oplus 28V^{(2,2),\varnothing} \oplus 4V^{(2,2),(1)} \oplus 54V^{(2,1,1),\varnothing} \oplus$ $5V^{(2,1,1),(1)} \oplus 28V^{(1,1,1,1),\varnothing} \oplus 4V^{(1,1,1,1),(1)} \oplus 2V^{(2,2,1),\varnothing} \oplus 2V^{(2,1,1,1),\varnothing}$
$k = 6:$ $81V^{\varnothing,(1)} \oplus 54V^{\varnothing,(1,1)} \oplus 27V^{\varnothing,(1,1,1)} \oplus 18V^{\varnothing,(1,1,1,1)} \oplus 9V^{\varnothing,(1,1,1,1,1)} \oplus V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus$ $368V^{(1),(1,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus V^{(2),\varnothing} \oplus 344V^{(2),(1)} \oplus$ $188V^{(2),(1,1)} \oplus 56V^{(2),(1,1,1)} \oplus 6V^{(2),(1,1,1,1)} \oplus V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 210V^{(1,1),(1,1)} \oplus$ $68V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(1,1,1,1)} \oplus V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 64V^{(2,1),(1,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus$ $V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus V^{(2,2),\varnothing} \oplus 62V^{(2,2),(1)} \oplus$ $4V^{(2,2),(1,1)} \oplus V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 5V^{(2,1,1),(1,1)} \oplus V^{(1,1,1,1),\varnothing} \oplus 62V^{(1,1,1,1),(1)} \oplus$ $4V^{(1,1,1,1),(1,1)} \oplus V^{(2,2,1),\varnothing} \oplus 2V^{(2,2,1),(1)} \oplus V^{(2,1,1,1),\varnothing} \oplus 2V^{(2,1,1,1),(1)} \oplus V^{(2,2,1,1),\varnothing}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus$ $V^{(1),(1,1,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(1,1)} \oplus 60V^{(2),(1,1,1)} \oplus 24V^{(2),(1,1,1,1)} \oplus 2V^{(2),(1,1,1,1,1)} \oplus$ $120V^{(1,1),(1)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(1,1,1,1,1)} \oplus$ $80V^{(2,1),(1)} \oplus 66V^{(2,1),(1,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 7V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(1,1)} \oplus$ $28V^{(1,1,1),(1,1,1)} \oplus 7V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(2,2),(1)} \oplus 24V^{(2,2),(1,1)} \oplus 4V^{(2,2),(1,1,1)} \oplus$ $50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(1,1)} \oplus 5V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 24V^{(1,1,1,1),(1,1)} \oplus$ $4V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(2,2,1),(1)} \oplus 2V^{(2,2,1),(1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 2V^{(2,1,1,1),(1,1)} \oplus V^{(2,2,1,1),(1)}$
$k = 4: \quad 24V^{(2),(1,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus$ $V^{(2),(1,1,1,1,1,1)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(1,1,1,1,1)} \oplus$ $V^{(1,1),(1,1,1,1,1,1)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(1,1,1)} \oplus 12V^{(2,1),(1,1,1,1)} \oplus 3V^{(2,1),(1,1,1,1,1)} \oplus$ $24V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(1,1,1)} \oplus 12V^{(1,1,1),(1,1,1,1)} \oplus 3V^{(1,1,1),(1,1,1,1,1)} \oplus 18V^{(2,2),(1,1)} \oplus$ $10V^{(2,2),(1,1,1)} \oplus 4V^{(2,2),(1,1,1,1)} \oplus 18V^{(2,1,1),(1,1)} \oplus 12V^{(2,1,1),(1,1,1)} \oplus 5V^{(2,1,1),(1,1,1,1)} \oplus$ $18V^{(1,1,1,1),(1,1)} \oplus 10V^{(1,1,1,1),(1,1,1)} \oplus 4V^{(1,1,1,1),(1,1,1,1)} \oplus 10V^{(2,2,1),(1,1)} \oplus$ $2V^{(2,2,1),(1,1,1)} \oplus 10V^{(2,1,1,1),(1,1)} \oplus 2V^{(2,1,1,1),(1,1,1)} \oplus V^{(2,2,1,1),(1,1)}$
$k = 3: \quad 6V^{(2,1),(1,1,1)} \oplus 6V^{(2,1),(1,1,1,1)} \oplus 4V^{(2,1),(1,1,1,1,1)} \oplus V^{(2,1),(1,1,1,1,1,1)} \oplus$ $6V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(1,1,1,1)} \oplus 4V^{(1,1,1),(1,1,1,1,1)} \oplus V^{(1,1,1),(1,1,1,1,1,1)} \oplus 6V^{(2,2),(1,1,1)} \oplus$ $5V^{(2,2),(1,1,1,1)} \oplus 2V^{(2,2),(1,1,1,1,1)} \oplus 6V^{(2,1,1),(1,1,1)} \oplus 6V^{(2,1,1),(1,1,1,1)} \oplus 3V^{(2,1,1),(1,1,1,1,1)} \oplus$ $6V^{(1,1,1,1),(1,1,1)} \oplus 5V^{(1,1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1,1),(1,1,1,1,1)} \oplus 4V^{(2,2,1),(1,1,1)} \oplus$ $2V^{(2,2,1),(1,1,1,1)} \oplus 4V^{(2,1,1,1),(1,1,1)} \oplus 2V^{(2,1,1,1),(1,1,1,1)} \oplus V^{(2,2,1,1),(1,1,1)}$
$k = 2: \quad 2V^{(2,2),(1,1,1,1)} \oplus 2V^{(2,2),(1,1,1,1,1)} \oplus V^{(2,2),(1,1,1,1,1,1)} \oplus 2V^{(2,1,1),(1,1,1,1)} \oplus$ $2V^{(2,1,1),(1,1,1,1,1)} \oplus V^{(2,1,1),(1,1,1,1,1,1)} \oplus 2V^{(1,1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1,1),(1,1,1,1,1)} \oplus$

Table 100: Table for $\lambda = (2,1,1,1,1)$, $\mu = (6,)$:

$k = 12: \quad 2V^{\varnothing,\varnothing}$
$k = 11: \quad 781V^{\varnothing,\varnothing} \oplus 35V^{\varnothing,(1)} \oplus 9V^{(1),\varnothing}$
$k = 10: \quad 1417V^{\varnothing,\varnothing} \oplus 530V^{\varnothing,(1)} \oplus 18V^{\varnothing,(2)} \oplus 646V^{(1),\varnothing} \oplus 187V^{(1),(1)} \oplus 4V^{(2),\varnothing} \oplus 7V^{(1,1),\varnothing}$
$k = 9: \quad 1184V^{\varnothing,\varnothing} \oplus 838V^{\varnothing,(1)} \oplus 214V^{\varnothing,(2)} \oplus 8V^{\varnothing,(3)} \oplus 1045V^{(1),\varnothing} \oplus 1036V^{(1),(1)} \oplus 67V^{(1),(2)} \oplus 138V^{(2),\varnothing} \oplus 34V^{(2),(1)} \oplus 266V^{(1,1),\varnothing} \oplus 43V^{(1,1),(1)} \oplus 3V^{(2,1),\varnothing} \oplus 5V^{(1,1,1),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 568V^{\varnothing,(1)} \oplus 276V^{\varnothing,(2)} \oplus 92V^{\varnothing,(3)} \oplus 3V^{\varnothing,(4)} \oplus 704V^{(1),\varnothing} \oplus 1670V^{(1),(1)} \oplus 396V^{(1),(2)} \oplus 19V^{(1),(3)} \oplus 177V^{(2),\varnothing} \oplus 328V^{(2),(1)} \oplus 34V^{(2),(2)} \oplus 345V^{(1,1),\varnothing} \oplus 396V^{(1,1),(1)} \oplus 43V^{(1,1),(2)} \oplus 66V^{(2,1),\varnothing} \oplus 10V^{(2,1),(1)} \oplus 128V^{(1,1,1),\varnothing} \oplus 13V^{(1,1,1),(1)} \oplus 2V^{(2,1,1),\varnothing} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 220V^{\varnothing,(1)} \oplus 140V^{\varnothing,(2)} \oplus 80V^{\varnothing,(3)} \oplus 36V^{\varnothing,(4)} \oplus V^{\varnothing,(5)} \oplus 245V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 160V^{(1),(3)} \oplus 7V^{(1),(4)} \oplus 84V^{(2),\varnothing} \oplus 516V^{(2),(1)} \oplus 130V^{(2),(2)} \oplus 10V^{(2),(3)} \oplus 164V^{(1,1),\varnothing} \oplus 582V^{(1,1),(1)} \oplus 160V^{(1,1),(2)} \oplus 19V^{(1,1),(3)} \oplus 53V^{(2,1),\varnothing} \oplus 132V^{(2,1),(1)} \oplus 10V^{(2,1),(2)} \oplus 103V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 13V^{(1,1,1),(2)} \oplus 28V^{(2,1,1),\varnothing} \oplus 4V^{(2,1,1),(1)} \oplus 54V^{(1,1,1,1),\varnothing} \oplus 5V^{(1,1,1,1),(1)} \oplus V^{(2,1,1,1),\varnothing} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 15V^{\varnothing,(3)} \oplus 10V^{\varnothing,(4)} \oplus 5V^{\varnothing,(5)} \oplus V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 186V^{(1),(3)} \oplus 72V^{(1),(4)} \oplus 3V^{(1),(5)} \oplus V^{(2),\varnothing} \oplus 344V^{(2),(1)} \oplus 184V^{(2),(2)} \oplus 52V^{(2),(3)} \oplus 4V^{(2),(4)} \oplus V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 206V^{(1,1),(2)} \oplus 64V^{(1,1),(3)} \oplus 7V^{(1,1),(4)} \oplus V^{(2,1),\varnothing} \oplus 168V^{(2,1),(1)} \oplus 52V^{(2,1),(2)} \oplus 10V^{(2,1),(3)} \oplus V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus 13V^{(1,1,1),(3)} \oplus V^{(2,1,1),\varnothing} \oplus 62V^{(2,1,1),(1)} \oplus 4V^{(2,1,1),(2)} \oplus V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 5V^{(1,1,1,1),(2)} \oplus V^{(2,1,1,1),\varnothing} \oplus 2V^{(2,1,1,1),(1)} \oplus V^{(1,1,1,1,1),\varnothing} \oplus 2V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 80V^{(1),(3)} \oplus 50V^{(1),(4)} \oplus 26V^{(1),(5)} \oplus V^{(1),(6)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(2)} \oplus 60V^{(2),(3)} \oplus 24V^{(2),(4)} \oplus 2V^{(2),(5)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 66V^{(1,1),(3)} \oplus 28V^{(1,1),(4)} \oplus 3V^{(1,1),(5)} \oplus 80V^{(2,1),(1)} \oplus 60V^{(2,1),(2)} \oplus 22V^{(2,1),(3)} \oplus 4V^{(2,1),(4)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 28V^{(1,1,1),(3)} \oplus 7V^{(1,1,1),(4)} \oplus 50V^{(2,1,1),(1)} \oplus 24V^{(2,1,1),(2)} \oplus 4V^{(2,1,1),(3)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 5V^{(1,1,1,1),(3)} \oplus 26V^{(2,1,1,1),(1)} \oplus 2V^{(2,1,1,1),(2)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 2V^{(1,1,1,1,1),(2)} \oplus V^{(2,1,1,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(3)} \oplus 18V^{(2),(4)} \oplus 10V^{(2),(5)} \oplus V^{(2),(6)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(3)} \oplus 18V^{(1,1),(4)} \oplus 10V^{(1,1),(5)} \oplus V^{(1,1),(6)} \oplus 24V^{(2,1),(2)} \oplus 20V^{(2,1),(3)} \oplus 10V^{(2,1),(4)} \oplus 2V^{(2,1),(5)} \oplus 24V^{(1,1,1),(2)} \oplus 22V^{(1,1,1),(3)} \oplus 12V^{(1,1,1),(4)} \oplus 3V^{(1,1,1),(5)} \oplus 18V^{(2,1,1),(2)} \oplus 10V^{(2,1,1),(3)} \oplus 4V^{(2,1,1),(4)} \oplus 18V^{(1,1,1,1),(2)} \oplus 12V^{(1,1,1,1),(3)} \oplus 5V^{(1,1,1,1),(4)} \oplus 10V^{(2,1,1,1),(2)} \oplus 2V^{(2,1,1,1),(3)} \oplus 10V^{(1,1,1,1,1),(2)} \oplus 2V^{(1,1,1,1,1),(3)} \oplus V^{(2,1,1,1,1),(2)}$
$k = 3:$ $6V^{(2,1),(3)} \oplus 6V^{(2,1),(4)} \oplus 4V^{(2,1),(5)} \oplus V^{(2,1),(6)} \oplus 6V^{(1,1,1),(3)} \oplus 6V^{(1,1,1),(4)} \oplus 4V^{(1,1,1),(5)} \oplus V^{(1,1,1),(6)} \oplus 6V^{(2,1,1),(3)} \oplus 5V^{(2,1,1),(4)} \oplus 2V^{(2,1,1),(5)} \oplus 6V^{(1,1,1,1),(3)} \oplus 6V^{(1,1,1,1),(4)} \oplus 3V^{(1,1,1,1),(5)} \oplus 4V^{(2,1,1,1),(3)} \oplus 2V^{(2,1,1,1),(4)} \oplus 4V^{(1,1,1,1,1),(3)} \oplus 2V^{(1,1,1,1,1),(4)} \oplus V^{(2,1,1,1,1),(3)}$
$k = 2: \quad 2V^{(2,1,1),(4)} \oplus 2V^{(2,1,1),(5)} \oplus V^{(2,1,1),(6)} \oplus 2V^{(1,1,1,1),(4)} \oplus 2V^{(1,1,1,1),(5)} \oplus V^{(1,1,1,1),(6)} \oplus 2V^{(2,1,1,1),(4)} \oplus 2V^{(2,1,1,1),(5)} \oplus 2V^{(1,1,1,1,1),(4)} \oplus 2V^{(1,1,1,1,1),(5)} \oplus V^{(2,1,1,1,1),(4)}$
$k = 1: \quad V^{(2,1,1,1),(5)} \oplus V^{(2,1,1,1),(6)} \oplus V^{(1,1,1,1,1),(5)} \oplus V^{(1,1,1,1,1),(6)} \oplus V^{(2,1,1,1,1),(5)}$
$k = 0: \quad V^{(2,1,1,1,1),(6)}$

Table 101: Table for $\lambda = (2,1,1,1,1)$, $\mu = (5,1)$:

$k = 12: \quad 7V^{\varnothing,\varnothing}$
$k = 11: \quad 965V^{\varnothing,\varnothing} \oplus 53V^{\varnothing,(1)} \oplus 53V^{(1),\varnothing}$
$k = 10: \quad 1696V^{\varnothing,\varnothing} \oplus 930V^{\varnothing,(1)} \oplus 26V^{\varnothing,(2)} \oplus 18V^{\varnothing,(1,1)} \oplus 930V^{(1),\varnothing} \oplus 253V^{(1),(1)} \oplus 18V^{(2),\varnothing} \oplus 26V^{(1,1),\varnothing}$
$k = 9: \quad 1329V^{\varnothing,\varnothing} \oplus 1426V^{\varnothing,(1)} \oplus 378V^{\varnothing,(2)} \oplus 214V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 8V^{\varnothing,(2,1)} \oplus 1426V^{(1),\varnothing} \oplus 1396V^{(1),(1)} \oplus 85V^{(1),(2)} \oplus 67V^{(1),(1,1)} \oplus 214V^{(2),\varnothing} \oplus 67V^{(2),(1)} \oplus 378V^{(1,1),\varnothing} \oplus 85V^{(1,1),(1)} \oplus 8V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 648V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 462V^{\varnothing,(2)} \oplus 276V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(3)} \oplus 92V^{\varnothing,(2,1)} \oplus 4V^{\varnothing,(4)} \oplus 3V^{\varnothing,(3,1)} \oplus 936V^{(1),\varnothing} \oplus 2090V^{(1),(1)} \oplus 532V^{(1),(2)} \oplus 396V^{(1),(1,1)} \oplus 25V^{(1),(3)} \oplus 19V^{(1),(2,1)} \oplus 276V^{(2),\varnothing} \oplus 396V^{(2),(1)} \oplus 43V^{(2),(2)} \oplus 34V^{(2),(1,1)} \oplus 462V^{(1,1),\varnothing} \oplus 532V^{(1,1),(1)} \oplus 61V^{(1,1),(2)} \oplus 43V^{(1,1),(1,1)} \oplus 92V^{(2,1),\varnothing} \oplus 19V^{(2,1),(1)} \oplus 164V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(2,1,1),\varnothing} \oplus 4V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 140V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(3)} \oplus 80V^{\varnothing,(2,1)} \oplus 62V^{\varnothing,(4)} \oplus 36V^{\varnothing,(3,1)} \oplus V^{\varnothing,(5)} \oplus V^{\varnothing,(4,1)} \oplus 340V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 582V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 160V^{(1),(2,1)} \oplus 9V^{(1),(4)} \oplus 7V^{(1),(3,1)} \oplus 140V^{(2),\varnothing} \oplus 582V^{(2),(1)} \oplus 160V^{(2),(2)} \oplus 130V^{(2),(1,1)} \oplus 13V^{(2),(3)} \oplus 10V^{(2),(2,1)} \oplus 220V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 220V^{(1,1),(2)} \oplus 160V^{(1,1),(1,1)} \oplus 25V^{(1,1),(3)} \oplus 19V^{(1,1),(2,1)} \oplus 80V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus 19V^{(2,1),(2)} \oplus 10V^{(2,1),(1,1)} \oplus 130V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 25V^{(1,1,1),(2)} \oplus 13V^{(1,1,1),(1,1)} \oplus 36V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus 62V^{(1,1,1,1),\varnothing} \oplus 9V^{(1,1,1,1),(1)} \oplus V^{(2,1,1,1),\varnothing} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6:$ $25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(4)} \oplus 10V^{\varnothing,(3,1)} \oplus 5V^{\varnothing,(5)} \oplus 5V^{\varnothing,(4,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 186V^{(1),(2,1)} \oplus 92V^{(1),(4)} \oplus 72V^{(1),(3,1)} \oplus 3V^{(1),(5)} \oplus 3V^{(1),(4,1)} \oplus 20V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 206V^{(2),(2)} \oplus 184V^{(2),(1,1)} \oplus 64V^{(2),(3)} \oplus 52V^{(2),(2,1)} \oplus 5V^{(2),(4)} \oplus 4V^{(2),(3,1)} \oplus 20V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 250V^{(1,1),(2)} \oplus 206V^{(1,1),(1,1)} \oplus 88V^{(1,1),(3)} \oplus 64V^{(1,1),(2,1)} \oplus 9V^{(1,1),(4)} \oplus 7V^{(1,1),(3,1)} \oplus 15V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 52V^{(2,1),(1,1)} \oplus 13V^{(2,1),(3)} \oplus 10V^{(2,1),(2,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 88V^{(1,1,1),(2)} \oplus 64V^{(1,1,1),(1,1)} \oplus 19V^{(1,1,1),(3)} \oplus 13V^{(1,1,1),(2,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 7V^{(2,1,1),(2)} \oplus 4V^{(2,1,1),(1,1)} \oplus 10V^{(1,1,1,1),\varnothing} \oplus 92V^{(1,1,1,1),(1)} \oplus 9V^{(1,1,1,1),(2)} \oplus 5V^{(1,1,1,1),(1,1)} \oplus 5V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)} \oplus 5V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 26V^{(1),(5)} \oplus 26V^{(1),(4,1)} \oplus V^{(1),(5,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 102V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 60V^{(2),(2,1)} \oplus 28V^{(2),(4)} \oplus 24V^{(2),(3,1)} \oplus 2V^{(2),(5)} \oplus 2V^{(2),(4,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 36V^{(1,1),(4)} \oplus 28V^{(1,1),(3,1)} \oplus 3V^{(1,1),(5)} \oplus 3V^{(1,1),(4,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 60V^{(2,1),(1,1)} \oplus 28V^{(2,1),(3)} \oplus 22V^{(2,1),(2,1)} \oplus 5V^{(2,1),(4)} \oplus 4V^{(2,1),(3,1)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 40V^{(1,1,1),(3)} \oplus 28V^{(1,1,1),(2,1)} \oplus 9V^{(1,1,1),(4)} \oplus 7V^{(1,1,1),(3,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 24V^{(2,1,1),(1,1)} \oplus 7V^{(2,1,1),(3)} \oplus 4V^{(2,1,1),(2,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 36V^{(1,1,1,1),(2)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 9V^{(1,1,1,1),(3)} \oplus 5V^{(1,1,1,1),(2,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 3V^{(2,1,1,1),(2)} \oplus 2V^{(2,1,1,1),(1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 3V^{(1,1,1,1,1),(2)} \oplus 2V^{(1,1,1,1,1),(1,1)} \oplus V^{(2,1,1,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 10V^{(2),(5)} \oplus 10V^{(2),(4,1)} \oplus V^{(2),(5,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 10V^{(1,1),(5)} \oplus 10V^{(1,1),(4,1)} \oplus V^{(1,1),(5,1)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(3)} \oplus 20V^{(2,1),(2,1)} \oplus 12V^{(2,1),(4)} \oplus 10V^{(2,1),(3,1)} \oplus 2V^{(2,1),(5)} \oplus 2V^{(2,1),(4,1)} \oplus 24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 26V^{(1,1,1),(3)} \oplus 22V^{(1,1,1),(2,1)} \oplus 16V^{(1,1,1),(4)} \oplus 12V^{(1,1,1),(3,1)} \oplus 3V^{(1,1,1),(5)} \oplus 3V^{(1,1,1),(4,1)} \oplus 18V^{(2,1,1),(2)} \oplus 18V^{(2,1,1),(1,1)} \oplus 12V^{(2,1,1),(3)} \oplus 10V^{(2,1,1),(2,1)} \oplus 5V^{(2,1,1),(4)} \oplus 4V^{(2,1,1),(3,1)} \oplus 18V^{(1,1,1,1),(2)} \oplus$

Table 102: Table for $\lambda = (2,1,1,1,1)$, $\mu = (4,2)$:

$k = 12: \quad 7V^{\varnothing,\varnothing}$
$k = 11: \quad 985V^{\varnothing,\varnothing} \oplus 58V^{\varnothing,(1)} \oplus 85V^{(1),\varnothing}$
$k = 10: \quad 1736V^{\varnothing,\varnothing} \oplus 970V^{\varnothing,(1)} \oplus 28V^{\varnothing,(2)} \oplus 25V^{\varnothing,(1,1)} \oplus 1050V^{(1),\varnothing} \oplus 265V^{(1),(1)} \oplus 22V^{(2),\varnothing} \oplus 30V^{(1,1),\varnothing}$
$k = 9: \quad 1349V^{\varnothing,\varnothing} \oplus 1456V^{\varnothing,(1)} \oplus 418V^{\varnothing,(2)} \oplus 274V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 1626V^{(1),\varnothing} \oplus 1444V^{(1),(1)} \oplus 89V^{(1),(2)} \oplus 83V^{(1),(1,1)} \oplus 254V^{(2),\varnothing} \oplus 73V^{(2),(1)} \oplus 418V^{(1,1),\varnothing} \oplus 97V^{(1,1),(1)} \oplus 8V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 648V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 498V^{\varnothing,(2)} \oplus 312V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(3)} \oplus 164V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 1096V^{(1),\varnothing} \oplus 2114V^{(1),(1)} \oplus 564V^{(1),(2)} \oplus 452V^{(1),(1,1)} \oplus 25V^{(1),(3)} \oplus 25V^{(1),(2,1)} \oplus 348V^{(2),\varnothing} \oplus 408V^{(2),(1)} \oplus 45V^{(2),(2)} \oplus 42V^{(2),(1,1)} \oplus 534V^{(1,1),\varnothing} \oplus 556V^{(1,1),(1)} \oplus 65V^{(1,1),(2)} \oplus 59V^{(1,1),(1,1)} \oplus 108V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 180V^{(1,1,1),\varnothing} \oplus 31V^{(1,1,1),(1)} \oplus 3V^{(2,1,1),\varnothing} \oplus 4V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 140V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(3)} \oplus 130V^{\varnothing,(2,1)} \oplus 36V^{\varnothing,(4)} \oplus 62V^{\varnothing,(3,1)} \oplus 36V^{\varnothing,(2,2)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,2)} \oplus 510V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 606V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 7V^{(1),(4)} \oplus 9V^{(1),(3,1)} \oplus 7V^{(1),(2,2)} \oplus 188V^{(2),\varnothing} \oplus 582V^{(2),(1)} \oplus 168V^{(2),(2)} \oplus 144V^{(2),(1,1)} \oplus 13V^{(2),(3)} \oplus 13V^{(2),(2,1)} \oplus 268V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 236V^{(1,1),(2)} \oplus 188V^{(1,1),(1,1)} \oplus 25V^{(1,1),(3)} \oplus 25V^{(1,1),(2,1)} \oplus 104V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus 21V^{(2,1),(2)} \oplus 18V^{(2,1),(1,1)} \oplus 154V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 29V^{(1,1,1),(2)} \oplus 23V^{(1,1,1),(1,1)} \oplus 44V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus 70V^{(1,1,1,1),\varnothing} \oplus 9V^{(1,1,1,1),(1)} \oplus V^{(2,1,1,1),\varnothing} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(4)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 5V^{\varnothing,(4,1)} \oplus 5V^{\varnothing,(3,2)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,2)} \oplus 54V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 210V^{(2),(2)} \oplus 188V^{(2),(1,1)} \oplus 64V^{(2),(3)} \oplus 64V^{(2),(2,1)} \oplus 4V^{(2),(4)} \oplus 5V^{(2),(3,1)} \oplus 4V^{(2),(2,2)} \oplus 54V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 214V^{(1,1),(1,1)} \oplus 88V^{(1,1),(3)} \oplus 88V^{(1,1),(2,1)} \oplus 7V^{(1,1),(4)} \oplus 9V^{(1,1),(3,1)} \oplus 7V^{(1,1),(2,2)} \oplus 27V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 68V^{(2,1),(2)} \oplus 56V^{(2,1),(1,1)} \oplus 13V^{(2,1),(3)} \oplus 13V^{(2,1),(2,1)} \oplus 27V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 96V^{(1,1,1),(2)} \oplus 72V^{(1,1,1),(1,1)} \oplus 19V^{(1,1,1),(3)} \oplus 19V^{(1,1,1),(2,1)} \oplus 18V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 6V^{(2,1,1),(1,1)} \oplus 18V^{(1,1,1,1),\varnothing} \oplus 92V^{(1,1,1,1),(1)} \oplus 11V^{(1,1,1,1),(2)} \oplus 7V^{(1,1,1,1),(1,1)} \oplus 9V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)} \oplus 9V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(4,2)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 102V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 24V^{(2),(4)} \oplus 28V^{(2),(3,1)} \oplus 24V^{(2),(2,2)} \oplus 2V^{(2),(4,1)} \oplus 2V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 28V^{(1,1),(4)} \oplus 36V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,2)} \oplus 3V^{(1,1),(4,1)} \oplus 3V^{(1,1),(3,2)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 60V^{(2,1),(1,1)} \oplus 28V^{(2,1),(3)} \oplus 28V^{(2,1),(2,1)} \oplus 4V^{(2,1),(4)} \oplus 5V^{(2,1),(3,1)} \oplus 4V^{(2,1),(2,2)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 40V^{(1,1,1),(3)} \oplus 40V^{(1,1,1),(2,1)} \oplus 7V^{(1,1,1),(4)} \oplus 9V^{(1,1,1),(3,1)} \oplus 7V^{(1,1,1),(2,2)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 24V^{(2,1,1),(1,1)} \oplus 7V^{(2,1,1),(3)} \oplus 7V^{(2,1,1),(2,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 36V^{(1,1,1,1),(2)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 9V^{(1,1,1,1),(3)} \oplus 9V^{(1,1,1,1),(2,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 3V^{(2,1,1,1),(2)} \oplus 2V^{(2,1,1,1),(1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 3V^{(1,1,1,1,1),(2)} \oplus 2V^{(1,1,1,1,1),(1,1)} \oplus V^{(2,1,1,1,1),(1)}$
$k = 4:$ $24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(4)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(4,1)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(4,2)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus 10V^{(1,1),(4,1)} \oplus 10V^{(1,1),(3,2)} \oplus V^{(1,1),(4,2)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(3)} \oplus 22V^{(2,1),(2,1)} \oplus 10V^{(2,1),(4)} \oplus$

Table 103: Table for $\lambda = (2,1,1,1,1)$, $\mu = (4,1,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1042V^{\varnothing,\varnothing} \oplus 60V^{\varnothing,(1)} \oplus 108V^{(1),\varnothing}$
$k = 10: \quad 1782V^{\varnothing,\varnothing} \oplus 1050V^{\varnothing,(1)} \oplus 28V^{\varnothing,(2)} \oplus 26V^{\varnothing,(1,1)} \oplus 1112V^{(1),\varnothing} \oplus 269V^{(1),(1)} \oplus 28V^{(2),\varnothing} \oplus 37V^{(1,1),\varnothing}$
$k = 9: \quad 1410V^{\varnothing,\varnothing} \oplus 1564V^{\varnothing,(1)} \oplus 418V^{\varnothing,(2)} \oplus 378V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1688V^{(1),\varnothing} \oplus 1508V^{(1),(1)} \oplus 89V^{(1),(2)} \oplus 85V^{(1),(1,1)} \oplus 268V^{(2),\varnothing} \oplus 75V^{(2),(1)} \oplus 436V^{(1,1),\varnothing} \oplus 101V^{(1,1),(1)} \oplus 9V^{(2,1),\varnothing} \oplus 12V^{(1,1,1),\varnothing}$
$k = 8: \quad 698V^{\varnothing,\varnothing} \oplus 984V^{\varnothing,(1)} \oplus 498V^{\varnothing,(2)} \oplus 462V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(3)} \oplus 164V^{\varnothing,(2,1)} \oplus 92V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 1296V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 564V^{(1),(2)} \oplus 532V^{(1),(1,1)} \oplus 25V^{(1),(3)} \oplus 25V^{(1),(2,1)} \oplus 19V^{(1),(1,1,1)} \oplus 366V^{(2),\varnothing} \oplus 424V^{(2),(1)} \oplus 45V^{(2),(2)} \oplus 43V^{(2),(1,1)} \oplus 552V^{(1,1),\varnothing} \oplus 588V^{(1,1),(1)} \oplus 65V^{(1,1),(2)} \oplus 61V^{(1,1),(1,1)} \oplus 112V^{(2,1),\varnothing} \oplus 27V^{(2,1),(1)} \oplus 184V^{(1,1,1),\varnothing} \oplus 35V^{(1,1,1),(1)} \oplus 3V^{(2,1,1),\varnothing} \oplus 4V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(3)} \oplus 130V^{\varnothing,(2,1)} \oplus 80V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(4)} \oplus 62V^{\varnothing,(3,1)} \oplus 36V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 216V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(4)} \oplus 9V^{(1),(3,1)} \oplus 7V^{(1),(2,1,1)} \oplus 240V^{(2),\varnothing} \oplus 594V^{(2),(1)} \oplus 168V^{(2),(2)} \oplus 160V^{(2),(1,1)} \oplus 13V^{(2),(3)} \oplus 13V^{(2),(2,1)} \oplus 10V^{(2),(1,1,1)} \oplus 320V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 236V^{(1,1),(2)} \oplus 220V^{(1,1),(1,1)} \oplus 25V^{(1,1),(3)} \oplus 25V^{(1,1),(2,1)} \oplus 19V^{(1,1),(1,1,1)} \oplus 110V^{(2,1),\varnothing} \oplus 168V^{(2,1),(1)} \oplus 21V^{(2,1),(2)} \oplus 19V^{(2,1),(1,1)} \oplus 160V^{(1,1,1),\varnothing} \oplus 232V^{(1,1,1),(1)} \oplus 29V^{(1,1,1),(2)} \oplus 25V^{(1,1,1),(1,1)} \oplus 46V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus 72V^{(1,1,1,1),\varnothing} \oplus 11V^{(1,1,1,1),(1)} \oplus V^{(2,1,1,1),\varnothing} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(4)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 5V^{\varnothing,(4,1)} \oplus 5V^{\varnothing,(3,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(4)} \oplus 92V^{(1),(3,1)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(4,1)} \oplus 3V^{(1),(3,1,1)} \oplus 70V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 210V^{(2),(2)} \oplus 206V^{(2),(1,1)} \oplus 64V^{(2),(3)} \oplus 64V^{(2),(2,1)} \oplus 52V^{(2),(1,1,1)} \oplus 4V^{(2),(4)} \oplus 5V^{(2),(3,1)} \oplus 4V^{(2),(2,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 250V^{(1,1),(1,1)} \oplus 88V^{(1,1),(3)} \oplus 88V^{(1,1),(2,1)} \oplus 64V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(4)} \oplus 9V^{(1,1),(3,1)} \oplus 7V^{(1,1),(2,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 68V^{(2,1),(2)} \oplus 64V^{(2,1),(1,1)} \oplus 13V^{(2,1),(3)} \oplus 13V^{(2,1),(2,1)} \oplus 10V^{(2,1),(1,1,1)} \oplus 40V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 96V^{(1,1,1),(2)} \oplus 88V^{(1,1,1),(1,1)} \oplus 19V^{(1,1,1),(3)} \oplus 19V^{(1,1,1),(2,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus 20V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 7V^{(2,1,1),(1,1)} \oplus 20V^{(1,1,1,1),\varnothing} \oplus 92V^{(1,1,1,1),(1)} \oplus 11V^{(1,1,1,1),(2)} \oplus 9V^{(1,1,1,1),(1,1)} \oplus 10V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)} \oplus 10V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,1,1)} \oplus V^{(1),(4,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 60V^{(2),(1,1,1)} \oplus 24V^{(2),(4)} \oplus 28V^{(2),(3,1)} \oplus 24V^{(2),(2,1,1)} \oplus 2V^{(2),(4,1)} \oplus 2V^{(2),(3,1,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(4)} \oplus 36V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(4,1)} \oplus 3V^{(1,1),(3,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 28V^{(2,1),(3)} \oplus 28V^{(2,1),(2,1)} \oplus 22V^{(2,1),(1,1,1)} \oplus 4V^{(2,1),(4)} \oplus 5V^{(2,1),(3,1)} \oplus 4V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 40V^{(1,1,1),(3)} \oplus 40V^{(1,1,1),(2,1)} \oplus 28V^{(1,1,1),(1,1,1)} \oplus 7V^{(1,1,1),(4)} \oplus 9V^{(1,1,1),(3,1)} \oplus 7V^{(1,1,1),(2,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 7V^{(2,1,1),(3)} \oplus 7V^{(2,1,1),(2,1)} \oplus 4V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 36V^{(1,1,1,1),(2)} \oplus 36V^{(1,1,1,1),(1,1)} \oplus 9V^{(1,1,1,1),(3)} \oplus 9V^{(1,1,1,1),(2,1)} \oplus 5V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 3V^{(2,1,1,1),(2)} \oplus 3V^{(2,1,1,1),(1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 3V^{(1,1,1,1,1),(2)} \oplus 3V^{(1,1,1,1,1),(1,1)} \oplus V^{(2,1,1,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(4)} \oplus$

Table 104: Table for $\lambda = (2,1,1,1,1)$, $\mu = (3,3)$:

$k = 12: \quad 7V^{\varnothing,\varnothing}$
$k = 11: \quad 965V^{\varnothing,\varnothing} \oplus 43V^{\varnothing,(1)} \oplus 67V^{(1),\varnothing}$
$k = 10: \quad 1696V^{\varnothing,\varnothing} \oplus 910V^{\varnothing,(1)} \oplus 21V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 942V^{(1),\varnothing} \oplus 205V^{(1),(1)} \oplus 21V^{(2),\varnothing} \oplus 29V^{(1,1),\varnothing}$
$k = 9: \quad 1329V^{\varnothing,\varnothing} \oplus 1426V^{\varnothing,(1)} \oplus 358V^{\varnothing,(2)} \oplus 254V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(3)} \oplus 9V^{\varnothing,(2,1)} \oplus 1426V^{(1),\varnothing} \oplus 1348V^{(1),(1)} \oplus 73V^{(1),(2)} \oplus 71V^{(1),(1,1)} \oplus 214V^{(2),\varnothing} \oplus 43V^{(2),(1)} \oplus 378V^{(1,1),\varnothing} \oplus 61V^{(1,1),(1)} \oplus 8V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 648V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 462V^{\varnothing,(2)} \oplus 312V^{\varnothing,(1,1)} \oplus 92V^{\varnothing,(3)} \oplus 144V^{\varnothing,(2,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 936V^{(1),\varnothing} \oplus 2090V^{(1),(1)} \oplus 508V^{(1),(2)} \oplus 428V^{(1),(1,1)} \oplus 19V^{(1),(3)} \oplus 21V^{(1),(2,1)} \oplus 276V^{(2),\varnothing} \oplus 396V^{(2),(1)} \oplus 37V^{(2),(2)} \oplus 36V^{(2),(1,1)} \oplus 462V^{(1,1),\varnothing} \oplus 532V^{(1,1),(1)} \oplus 49V^{(1,1),(2)} \oplus 47V^{(1,1),(1,1)} \oplus 92V^{(2,1),\varnothing} \oplus 19V^{(2,1),(1)} \oplus 164V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(2,1,1),\varnothing} \oplus 4V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 140V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(3)} \oplus 130V^{\varnothing,(2,1)} \oplus 36V^{\varnothing,(3,1)} \oplus 36V^{\varnothing,(2,2)} \oplus V^{\varnothing,(3,2)} \oplus 365V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 606V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 200V^{(1),(2,1)} \oplus 7V^{(1),(3,1)} \oplus 7V^{(1),(2,2)} \oplus 140V^{(2),\varnothing} \oplus 582V^{(2),(1)} \oplus 154V^{(2),(2)} \oplus 138V^{(2),(1,1)} \oplus 10V^{(2),(3)} \oplus 11V^{(2),(2,1)} \oplus 220V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 208V^{(1,1),(2)} \oplus 176V^{(1,1),(1,1)} \oplus 19V^{(1,1),(3)} \oplus 21V^{(1,1),(2,1)} \oplus 80V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus 13V^{(2,1),(2)} \oplus 12V^{(2,1),(1,1)} \oplus 130V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 19V^{(1,1,1),(2)} \oplus 17V^{(1,1,1),(1,1)} \oplus 36V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus 62V^{(1,1,1,1),\varnothing} \oplus 9V^{(1,1,1,1),(1)} \oplus V^{(2,1,1,1),\varnothing} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 5V^{\varnothing,(3,2)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 72V^{(1),(3,1)} \oplus 72V^{(1),(2,2)} \oplus 3V^{(1),(3,2)} \oplus 25V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 206V^{(2),(2)} \oplus 188V^{(2),(1,1)} \oplus 52V^{(2),(3)} \oplus 60V^{(2),(2,1)} \oplus 4V^{(2),(3,1)} \oplus 4V^{(2),(2,2)} \oplus 25V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 250V^{(1,1),(2)} \oplus 214V^{(1,1),(1,1)} \oplus 64V^{(1,1),(3)} \oplus 80V^{(1,1),(2,1)} \oplus 7V^{(1,1),(3,1)} \oplus 7V^{(1,1),(2,2)} \oplus 15V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 56V^{(2,1),(1,1)} \oplus 10V^{(2,1),(3)} \oplus 11V^{(2,1),(2,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 88V^{(1,1,1),(2)} \oplus 72V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(3)} \oplus 15V^{(1,1,1),(2,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 7V^{(2,1,1),(2)} \oplus 6V^{(2,1,1),(1,1)} \oplus 10V^{(1,1,1,1),\varnothing} \oplus 92V^{(1,1,1,1),(1)} \oplus 9V^{(1,1,1,1),(2)} \oplus 7V^{(1,1,1,1),(1,1)} \oplus 5V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)} \oplus 5V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(3,3)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 102V^{(2),(1,1)} \oplus 60V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 24V^{(2),(3,1)} \oplus 24V^{(2),(2,2)} \oplus 2V^{(2),(3,2)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 28V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,2)} \oplus 3V^{(1,1),(3,2)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 60V^{(2,1),(1,1)} \oplus 22V^{(2,1),(3)} \oplus 26V^{(2,1),(2,1)} \oplus 4V^{(2,1),(3,1)} \oplus 4V^{(2,1),(2,2)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(3)} \oplus 36V^{(1,1,1),(2,1)} \oplus 7V^{(1,1,1),(3,1)} \oplus 7V^{(1,1,1),(2,2)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 24V^{(2,1,1),(1,1)} \oplus 4V^{(2,1,1),(3)} \oplus 5V^{(2,1,1),(2,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 36V^{(1,1,1,1),(2)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 5V^{(1,1,1,1),(3)} \oplus 7V^{(1,1,1,1),(2,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 3V^{(2,1,1,1),(2)} \oplus 2V^{(2,1,1,1),(1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 3V^{(1,1,1,1,1),(2)} \oplus 2V^{(1,1,1,1,1),(1,1)} \oplus V^{(2,1,1,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(3)} \oplus 24V^{(2),(2,1)} \oplus 18V^{(2),(3,1)} \oplus 18V^{(2),(2,2)} \oplus 10V^{(2),(3,2)} \oplus V^{(2),(3,3)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus 10V^{(1,1),(3,2)} \oplus V^{(1,1),(3,3)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 20V^{(2,1),(3)} \oplus 22V^{(2,1),(2,1)} \oplus 10V^{(2,1),(3,1)} \oplus 10V^{(2,1),(2,2)} \oplus 2V^{(2,1),(3,2)} \oplus 24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(3)} \oplus 26V^{(1,1,1),(2,1)} \oplus 12V^{(1,1,1),(3,1)} \oplus 12V^{(1,1,1),(2,2)} \oplus 3V^{(1,1,1),(3,2)} \oplus 18V^{(2,1,1),(2)} \oplus 18V^{(2,1,1),(1,1)} \oplus 10V^{(2,1,1),(3)} \oplus 12V^{(2,1,1),(2,1)} \oplus 4V^{(2,1,1),(3,1)} \oplus 4V^{(2,1,1),(2,2)} \oplus 18V^{(1,1,1,1),(2)} \oplus 18V^{(1,1,1,1),(1,1)} \oplus 12V^{(1,1,1,1),(3)} \oplus 16V^{(1,1,1,1),(2,1)} \oplus 5V^{(1,1,1,1),(3,1)} \oplus 5V^{(1,1,1,1),(2,2)} \oplus 10V^{(2,1,1,1),(2)} \oplus$

Table 105: Table for $\lambda = (2,1,1,1,1)$, $\mu = (3,2,1)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1072V^{\varnothing,\varnothing} \oplus 70V^{\varnothing,(1)} \oplus 148V^{(1),\varnothing}$
$k = 10: \quad 1842V^{\varnothing,\varnothing} \oplus 1070V^{\varnothing,(1)} \oplus 33V^{\varnothing,(2)} \oplus 33V^{\varnothing,(1,1)} \oplus 1280V^{(1),\varnothing} \oplus 317V^{(1),(1)} \oplus 31V^{(2),\varnothing} \oplus 40V^{(1,1),\varnothing}$
$k = 9: \quad 1470V^{\varnothing,\varnothing} \oplus 1564V^{\varnothing,(1)} \oplus 438V^{\varnothing,(2)} \oplus 438V^{\varnothing,(1,1)} \oplus 10V^{\varnothing,(3)} \oplus 14V^{\varnothing,(2,1)} \oplus 10V^{\varnothing,(1,1,1)} \oplus 1988V^{(1),\varnothing} \oplus 1556V^{(1),(1)} \oplus 101V^{(1),(2)} \oplus 101V^{(1),(1,1)} \oplus 328V^{(2),\varnothing} \oplus 99V^{(2),(1)} \oplus 496V^{(1,1),\varnothing} \oplus 125V^{(1,1),(1)} \oplus 9V^{(2,1),\varnothing} \oplus 12V^{(1,1,1),\varnothing}$
$k = 8: \quad 728V^{\varnothing,\varnothing} \oplus 984V^{\varnothing,(1)} \oplus 498V^{\varnothing,(2)} \oplus 498V^{\varnothing,(1,1)} \oplus 112V^{\varnothing,(3)} \oplus 236V^{\varnothing,(2,1)} \oplus 112V^{\varnothing,(1,1,1)} \oplus 4V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 1632V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 588V^{(1),(2)} \oplus 588V^{(1),(1,1)} \oplus 23V^{(1),(3)} \oplus 31V^{(1),(2,1)} \oplus 23V^{(1),(1,1,1)} \oplus 474V^{(2),\varnothing} \oplus 424V^{(2),(1)} \oplus 51V^{(2),(2)} \oplus 51V^{(2),(1,1)} \oplus 660V^{(1,1),\varnothing} \oplus 588V^{(1,1),(1)} \oplus 77V^{(1,1),(2)} \oplus 77V^{(1,1),(1,1)} \oplus 136V^{(2,1),\varnothing} \oplus 27V^{(2,1),(1)} \oplus 208V^{(1,1,1),\varnothing} \oplus 35V^{(1,1,1),(1)} \oplus 3V^{(2,1,1),\varnothing} \oplus 4V^{(1,1,1,1),\varnothing}$
$k = 7:$ $120V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(3)} \oplus 180V^{\varnothing,(2,1)} \oplus 80V^{\varnothing,(1,1,1)} \oplus 62V^{\varnothing,(3,1)} \oplus 62V^{\varnothing,(2,2)} \oplus 62V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(3,2)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 880V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 738V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 176V^{(1),(3)} \oplus 272V^{(1),(2,1)} \oplus 176V^{(1),(1,1,1)} \oplus 9V^{(1),(3,1)} \oplus 9V^{(1),(2,2)} \oplus 9V^{(1),(2,1,1)} \oplus 336V^{(2),\varnothing} \oplus 594V^{(2),(1)} \oplus 174V^{(2),(2)} \oplus 174V^{(2),(1,1)} \oplus 12V^{(2),(3)} \oplus 16V^{(2),(2,1)} \oplus 12V^{(2),(1,1,1)} \oplus 416V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 248V^{(1,1),(2)} \oplus 248V^{(1,1),(1,1)} \oplus 23V^{(1,1),(3)} \oplus 31V^{(1,1),(2,1)} \oplus 23V^{(1,1),(1,1,1)} \oplus 146V^{(2,1),\varnothing} \oplus 168V^{(2,1),(1)} \oplus 27V^{(2,1),(2)} \oplus 27V^{(2,1),(1,1)} \oplus 196V^{(1,1,1),\varnothing} \oplus 232V^{(1,1,1),(1)} \oplus 35V^{(1,1,1),(2)} \oplus 35V^{(1,1,1),(1,1)} \oplus 58V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus 84V^{(1,1,1,1),\varnothing} \oplus 11V^{(1,1,1,1),(1)} \oplus V^{(2,1,1,1),\varnothing} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 5V^{\varnothing,(3,2)} \oplus 5V^{\varnothing,(3,1,1)} \oplus 5V^{\varnothing,(2,2,1)} \oplus 256V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 258V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 92V^{(1),(3,1)} \oplus 92V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 3V^{(1),(3,2)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 128V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 210V^{(2),(2)} \oplus 210V^{(2),(1,1)} \oplus 56V^{(2),(3)} \oplus 76V^{(2),(2,1)} \oplus 56V^{(2),(1,1,1)} \oplus 5V^{(2),(3,1)} \oplus 5V^{(2),(2,2)} \oplus 5V^{(2),(2,1,1)} \oplus 128V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 258V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 72V^{(1,1),(3)} \oplus 112V^{(1,1),(2,1)} \oplus 72V^{(1,1),(1,1,1)} \oplus 9V^{(1,1),(3,1)} \oplus 9V^{(1,1),(2,2)} \oplus 9V^{(1,1),(2,1,1)} \oplus 64V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 68V^{(2,1),(2)} \oplus 68V^{(2,1),(1,1)} \oplus 12V^{(2,1),(3)} \oplus 16V^{(2,1),(2,1)} \oplus 12V^{(2,1),(1,1,1)} \oplus 64V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 96V^{(1,1,1),(2)} \oplus 96V^{(1,1,1),(1,1)} \oplus 17V^{(1,1,1),(3)} \oplus 25V^{(1,1,1),(2,1)} \oplus 17V^{(1,1,1),(1,1,1)} \oplus 32V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 9V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 32V^{(1,1,1,1),\varnothing} \oplus 92V^{(1,1,1,1),(1)} \oplus 11V^{(1,1,1,1),(2)} \oplus 11V^{(1,1,1,1),(1,1)} \oplus 16V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)} \oplus 16V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(3,2)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(3,2,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 60V^{(2),(3)} \oplus 72V^{(2),(2,1)} \oplus 60V^{(2),(1,1,1)} \oplus 28V^{(2),(3,1)} \oplus 28V^{(2),(2,2)} \oplus 28V^{(2),(2,1,1)} \oplus 2V^{(2),(3,2)} \oplus 2V^{(2),(3,1,1)} \oplus 2V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 90V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 36V^{(1,1),(3,1)} \oplus 36V^{(1,1),(2,2)} \oplus 36V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(3,2)} \oplus 3V^{(1,1),(3,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 24V^{(2,1),(3)} \oplus 34V^{(2,1),(2,1)} \oplus 24V^{(2,1),(1,1,1)} \oplus 5V^{(2,1),(3,1)} \oplus 5V^{(2,1),(2,2)} \oplus 5V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 32V^{(1,1,1),(3)} \oplus 52V^{(1,1,1),(2,1)} \oplus 32V^{(1,1,1),(1,1,1)} \oplus 9V^{(1,1,1),(3,1)} \oplus 9V^{(1,1,1),(2,2)} \oplus 9V^{(1,1,1),(2,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 6V^{(2,1,1),(3)} \oplus 10V^{(2,1,1),(2,1)} \oplus 6V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 36V^{(1,1,1,1),(2)} \oplus 36V^{(1,1,1,1),(1,1)} \oplus 7V^{(1,1,1,1),(3)} \oplus 13V^{(1,1,1,1),(2,1)} \oplus 7V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 3V^{(2,1,1,1),(2)} \oplus 3V^{(2,1,1,1),(1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 3V^{(1,1,1,1,1),(2)} \oplus 3V^{(1,1,1,1,1),(1,1)} \oplus V^{(2,1,1,1,1),(1)}$

Table 106: Table for $\lambda = (2,1,1,1,1)$, $\mu = (3,1,1,1)$:

$k = 12: \quad 34V^{\varnothing,\varnothing}$
$k = 11: \quad 1062V^{\varnothing,\varnothing} \oplus 60V^{\varnothing,(1)} \oplus 108V^{(1),\varnothing}$
$k = 10: \quad 1784V^{\varnothing,\varnothing} \oplus 1050V^{\varnothing,(1)} \oplus 26V^{\varnothing,(2)} \oplus 28V^{\varnothing,(1,1)} \oplus 1112V^{(1),\varnothing} \oplus 269V^{(1),(1)} \oplus 28V^{(2),\varnothing} \oplus 37V^{(1,1),\varnothing}$
$k = 9: \quad 1410V^{\varnothing,\varnothing} \oplus 1564V^{\varnothing,(1)} \oplus 378V^{\varnothing,(2)} \oplus 418V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(3)} \oplus 11V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1688V^{(1),\varnothing} \oplus 1508V^{(1),(1)} \oplus 85V^{(1),(2)} \oplus 89V^{(1),(1,1)} \oplus 268V^{(2),\varnothing} \oplus 75V^{(2),(1)} \oplus 436V^{(1,1),\varnothing} \oplus 101V^{(1,1),(1)} \oplus 9V^{(2,1),\varnothing} \oplus 12V^{(1,1,1),\varnothing}$
$k = 8:$ $748V^{\varnothing,\varnothing} \oplus 984V^{\varnothing,(1)} \oplus 462V^{\varnothing,(2)} \oplus 498V^{\varnothing,(1,1)} \oplus 92V^{\varnothing,(3)} \oplus 164V^{\varnothing,(2,1)} \oplus 164V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1296V^{(1),\varnothing} \oplus 2186V^{(1),(1)} \oplus 532V^{(1),(2)} \oplus 564V^{(1),(1,1)} \oplus 19V^{(1),(3)} \oplus 25V^{(1),(2,1)} \oplus 25V^{(1),(1,1,1)} \oplus 366V^{(2),\varnothing} \oplus 424V^{(2),(1)} \oplus 43V^{(2),(2)} \oplus 45V^{(2),(1,1)} \oplus 552V^{(1,1),\varnothing} \oplus 588V^{(1,1),(1)} \oplus 61V^{(1,1),(2)} \oplus 65V^{(1,1),(1,1)} \oplus 112V^{(2,1),\varnothing} \oplus 27V^{(2,1),(1)} \oplus 184V^{(1,1,1),\varnothing} \oplus 35V^{(1,1,1),(1)} \oplus 3V^{(2,1,1),\varnothing} \oplus 4V^{(1,1,1,1),\varnothing}$
$k = 7:$ $170V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 220V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(3)} \oplus 130V^{\varnothing,(2,1)} \oplus 130V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(3,1)} \oplus 62V^{\varnothing,(2,1,1)} \oplus 36V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 590V^{(1),\varnothing} \oplus 1544V^{(1),(1)} \oplus 714V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 216V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(3,1)} \oplus 9V^{(1),(2,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus 240V^{(2),\varnothing} \oplus 594V^{(2),(1)} \oplus 160V^{(2),(2)} \oplus 168V^{(2),(1,1)} \oplus 10V^{(2),(3)} \oplus 13V^{(2),(2,1)} \oplus 13V^{(2),(1,1,1)} \oplus 320V^{(1,1),\varnothing} \oplus 738V^{(1,1),(1)} \oplus 220V^{(1,1),(2)} \oplus 236V^{(1,1),(1,1)} \oplus 19V^{(1,1),(3)} \oplus 25V^{(1,1),(2,1)} \oplus 25V^{(1,1),(1,1,1)} \oplus 110V^{(2,1),\varnothing} \oplus 168V^{(2,1),(1)} \oplus 19V^{(2,1),(2)} \oplus 21V^{(2,1),(1,1)} \oplus 160V^{(1,1,1),\varnothing} \oplus 232V^{(1,1,1),(1)} \oplus 25V^{(1,1,1),(2)} \oplus 29V^{(1,1,1),(1,1)} \oplus 46V^{(2,1,1),\varnothing} \oplus 9V^{(2,1,1),(1)} \oplus 72V^{(1,1,1,1),\varnothing} \oplus 11V^{(1,1,1,1),(1)} \oplus V^{(2,1,1,1),\varnothing} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(3)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(3,1)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(1,1,1,1)} \oplus 5V^{\varnothing,(3,1,1)} \oplus 5V^{\varnothing,(2,1,1,1)} \oplus 100V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 416V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(3,1)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(3,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 70V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 206V^{(2),(2)} \oplus 210V^{(2),(1,1)} \oplus 52V^{(2),(3)} \oplus 64V^{(2),(2,1)} \oplus 64V^{(2),(1,1,1)} \oplus 4V^{(2),(3,1)} \oplus 5V^{(2),(2,1,1)} \oplus 4V^{(2),(1,1,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 250V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 64V^{(1,1),(3)} \oplus 88V^{(1,1),(2,1)} \oplus 88V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(3,1)} \oplus 9V^{(1,1),(2,1,1)} \oplus 7V^{(1,1),(1,1,1,1)} \oplus 40V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 64V^{(2,1),(2)} \oplus 68V^{(2,1),(1,1)} \oplus 10V^{(2,1),(3)} \oplus 13V^{(2,1),(2,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus 40V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 88V^{(1,1,1),(2)} \oplus 96V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(3)} \oplus 19V^{(1,1,1),(2,1)} \oplus 19V^{(1,1,1),(1,1,1)} \oplus 20V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 7V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 20V^{(1,1,1,1),\varnothing} \oplus 92V^{(1,1,1,1),(1)} \oplus 9V^{(1,1,1,1),(2)} \oplus 11V^{(1,1,1,1),(1,1)} \oplus 10V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)} \oplus 10V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(3,1,1,1)} \oplus 120V^{(2),(1)} \oplus 108V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 60V^{(2),(3)} \oplus 66V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 24V^{(2),(3,1)} \oplus 28V^{(2),(2,1,1)} \oplus 24V^{(2),(1,1,1,1)} \oplus 2V^{(2),(3,1,1)} \oplus 2V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 120V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 78V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(3,1)} \oplus 36V^{(1,1),(2,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(3,1,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 66V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 22V^{(2,1),(3)} \oplus 28V^{(2,1),(2,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 4V^{(2,1),(3,1)} \oplus 5V^{(2,1),(2,1,1)} \oplus 4V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 78V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(3)} \oplus 40V^{(1,1,1),(2,1)} \oplus 40V^{(1,1,1),(1,1,1)} \oplus 7V^{(1,1,1),(3,1)} \oplus 9V^{(1,1,1),(2,1,1)} \oplus 7V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 28V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 4V^{(2,1,1),(3)} \oplus 7V^{(2,1,1),(2,1)} \oplus 7V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 36V^{(1,1,1,1),(2)} \oplus 36V^{(1,1,1,1),(1,1)} \oplus 5V^{(1,1,1,1),(3)} \oplus 9V^{(1,1,1,1),(2,1)} \oplus 9V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 3V^{(2,1,1,1),(2)} \oplus 3V^{(2,1,1,1),(1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 3V^{(1,1,1,1,1),(2)} \oplus 3V^{(1,1,1,1,1),(1,1)} \oplus V^{(2,1,1,1,1),(1)}$

Table 107: Table for $\lambda = (2,1,1,1,1)$, $\mu = (2,2,2)$:

$k = 12: \quad 17V^{\varnothing,\varnothing}$
$k = 11: \quad 1017V^{\varnothing,\varnothing} \oplus 43V^{\varnothing,(1)} \oplus 67V^{(1),\varnothing}$
$k = 10: \quad 1732V^{\varnothing,\varnothing} \oplus 910V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 21V^{\varnothing,(1,1)} \oplus 942V^{(1),\varnothing} \oplus 205V^{(1),(1)} \oplus 21V^{(2),\varnothing} \oplus 29V^{(1,1),\varnothing}$
$k = 9: \quad 1360V^{\varnothing,\varnothing} \oplus 1426V^{\varnothing,(1)} \oplus 254V^{\varnothing,(2)} \oplus 358V^{\varnothing,(1,1)} \oplus 9V^{\varnothing,(2,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1426V^{(1),\varnothing} \oplus 1348V^{(1),(1)} \oplus 71V^{(1),(2)} \oplus 73V^{(1),(1,1)} \oplus 214V^{(2),\varnothing} \oplus 43V^{(2),(1)} \oplus 378V^{(1,1),\varnothing} \oplus 61V^{(1,1),(1)} \oplus 8V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 673V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 312V^{\varnothing,(2)} \oplus 462V^{\varnothing,(1,1)} \oplus 144V^{\varnothing,(2,1)} \oplus 92V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 936V^{(1),\varnothing} \oplus 2090V^{(1),(1)} \oplus 428V^{(1),(2)} \oplus 508V^{(1),(1,1)} \oplus 21V^{(1),(2,1)} \oplus 19V^{(1),(1,1,1)} \oplus 276V^{(2),\varnothing} \oplus 396V^{(2),(1)} \oplus 36V^{(2),(2)} \oplus 37V^{(2),(1,1)} \oplus 462V^{(1,1),\varnothing} \oplus 532V^{(1,1),(1)} \oplus 47V^{(1,1),(2)} \oplus 49V^{(1,1),(1,1)} \oplus 92V^{(2,1),\varnothing} \oplus 19V^{(2,1),(1)} \oplus 164V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(2,1,1),\varnothing} \oplus 4V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 140V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(2,1)} \oplus 80V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(2,2)} \oplus 36V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus 365V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 606V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 200V^{(1),(2,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(2,2)} \oplus 7V^{(1),(2,1,1)} \oplus 140V^{(2),\varnothing} \oplus 582V^{(2),(1)} \oplus 138V^{(2),(2)} \oplus 154V^{(2),(1,1)} \oplus 11V^{(2),(2,1)} \oplus 10V^{(2),(1,1,1)} \oplus 220V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 176V^{(1,1),(2)} \oplus 208V^{(1,1),(1,1)} \oplus 21V^{(1,1),(2,1)} \oplus 19V^{(1,1),(1,1,1)} \oplus 80V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus 12V^{(2,1),(2)} \oplus 13V^{(2,1),(1,1)} \oplus 130V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 17V^{(1,1,1),(2)} \oplus 19V^{(1,1,1),(1,1)} \oplus 36V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus 62V^{(1,1,1,1),\varnothing} \oplus 9V^{(1,1,1,1),(1)} \oplus V^{(2,1,1,1),\varnothing} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 5V^{\varnothing,(2,2,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 72V^{(1),(2,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 25V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 188V^{(2),(2)} \oplus 206V^{(2),(1,1)} \oplus 60V^{(2),(2,1)} \oplus 52V^{(2),(1,1,1)} \oplus 4V^{(2),(2,2)} \oplus 4V^{(2),(2,1,1)} \oplus 25V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 214V^{(1,1),(2)} \oplus 250V^{(1,1),(1,1)} \oplus 80V^{(1,1),(2,1)} \oplus 64V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(2,2)} \oplus 7V^{(1,1),(2,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 56V^{(2,1),(2)} \oplus 64V^{(2,1),(1,1)} \oplus 11V^{(2,1),(2,1)} \oplus 10V^{(2,1),(1,1,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 72V^{(1,1,1),(2)} \oplus 88V^{(1,1,1),(1,1)} \oplus 15V^{(1,1,1),(2,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 6V^{(2,1,1),(2)} \oplus 7V^{(2,1,1),(1,1)} \oplus 10V^{(1,1,1,1),\varnothing} \oplus 92V^{(1,1,1,1),(1)} \oplus 7V^{(1,1,1,1),(2)} \oplus 9V^{(1,1,1,1),(1,1)} \oplus 5V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)} \oplus 5V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(2,2,2)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(2,1)} \oplus 60V^{(2),(1,1,1)} \oplus 24V^{(2),(2,2)} \oplus 24V^{(2),(2,1,1)} \oplus 2V^{(2),(2,2,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,2)} \oplus 28V^{(1,1),(2,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 80V^{(2,1),(1)} \oplus 60V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 26V^{(2,1),(2,1)} \oplus 22V^{(2,1),(1,1,1)} \oplus 4V^{(2,1),(2,2)} \oplus 4V^{(2,1),(2,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 36V^{(1,1,1),(2,1)} \oplus 28V^{(1,1,1),(1,1,1)} \oplus 7V^{(1,1,1),(2,2)} \oplus 7V^{(1,1,1),(2,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 24V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 5V^{(2,1,1),(2,1)} \oplus 4V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 36V^{(1,1,1,1),(1,1)} \oplus 7V^{(1,1,1,1),(2,1)} \oplus 5V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 2V^{(2,1,1,1),(2)} \oplus 3V^{(2,1,1,1),(1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 2V^{(1,1,1,1,1),(2)} \oplus 3V^{(1,1,1,1,1),(1,1)} \oplus V^{(2,1,1,1,1),(1)}$
$k = 4: \quad 24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus V^{(2),(2,2,2)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,2)} \oplus 18V^{(1,1),(2,1,1)} \oplus 10V^{(1,1),(2,2,1)} \oplus V^{(1,1),(2,2,2)} \oplus 24V^{(2,1),(2)} \oplus 24V^{(2,1),(1,1)} \oplus 22V^{(2,1),(2,1)} \oplus 20V^{(2,1),(1,1,1)} \oplus 10V^{(2,1),(2,2)} \oplus 10V^{(2,1),(2,1,1)} \oplus 2V^{(2,1),(2,2,1)} \oplus 24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 26V^{(1,1,1),(2,1)} \oplus 22V^{(1,1,1),(1,1,1)} \oplus 12V^{(1,1,1),(2,2)} \oplus 12V^{(1,1,1),(2,1,1)} \oplus 3V^{(1,1,1),(2,2,1)} \oplus 18V^{(2,1,1),(2)} \oplus 18V^{(2,1,1),(1,1)} \oplus$

Table 108: Table for $\lambda = (2,1,1,1,1)$, $\mu = (2,2,1,1)$:

$k = 12: \quad 34V^{\varnothing,\varnothing}$
$k = 11: \quad 1057V^{\varnothing,\varnothing} \oplus 58V^{\varnothing,(1)} \oplus 85V^{(1),\varnothing}$
$k = 10: \quad 1774V^{\varnothing,\varnothing} \oplus 970V^{\varnothing,(1)} \oplus 25V^{\varnothing,(2)} \oplus 28V^{\varnothing,(1,1)} \oplus 1050V^{(1),\varnothing} \oplus 265V^{(1),(1)} \oplus 22V^{(2),\varnothing} \oplus 30V^{(1,1),\varnothing}$
$k = 9: \quad 1400V^{\varnothing,\varnothing} \oplus 1456V^{\varnothing,(1)} \oplus 274V^{\varnothing,(2)} \oplus 418V^{\varnothing,(1,1)} \oplus 11V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1626V^{(1),\varnothing} \oplus 1444V^{(1),(1)} \oplus 83V^{(1),(2)} \oplus 89V^{(1),(1,1)} \oplus 254V^{(2),\varnothing} \oplus 73V^{(2),(1)} \oplus 418V^{(1,1),\varnothing} \oplus 97V^{(1,1),(1)} \oplus 8V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 738V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 312V^{\varnothing,(2)} \oplus 498V^{\varnothing,(1,1)} \oplus 164V^{\varnothing,(2,1)} \oplus 164V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 1096V^{(1),\varnothing} \oplus 2114V^{(1),(1)} \oplus 452V^{(1),(2)} \oplus 564V^{(1),(1,1)} \oplus 25V^{(1),(2,1)} \oplus 25V^{(1),(1,1,1)} \oplus 348V^{(2),\varnothing} \oplus 408V^{(2),(1)} \oplus 42V^{(2),(2)} \oplus 45V^{(2),(1,1)} \oplus 534V^{(1,1),\varnothing} \oplus 556V^{(1,1),(1)} \oplus 59V^{(1,1),(2)} \oplus 65V^{(1,1),(1,1)} \oplus 108V^{(2,1),\varnothing} \oplus 25V^{(2,1),(1)} \oplus 180V^{(1,1,1),\varnothing} \oplus 31V^{(1,1,1),(1)} \oplus 3V^{(2,1,1),\varnothing} \oplus 4V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 165V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 140V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 130V^{\varnothing,(2,1)} \oplus 130V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(2,2)} \oplus 62V^{\varnothing,(2,1,1)} \oplus 36V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus 510V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 606V^{(1),(2)} \oplus 738V^{(1),(1,1)} \oplus 216V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(2,2)} \oplus 9V^{(1),(2,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus 188V^{(2),\varnothing} \oplus 582V^{(2),(1)} \oplus 144V^{(2),(2)} \oplus 168V^{(2),(1,1)} \oplus 13V^{(2),(2,1)} \oplus 13V^{(2),(1,1,1)} \oplus 268V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 188V^{(1,1),(2)} \oplus 236V^{(1,1),(1,1)} \oplus 25V^{(1,1),(2,1)} \oplus 25V^{(1,1),(1,1,1)} \oplus 104V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus 18V^{(2,1),(2)} \oplus 21V^{(2,1),(1,1)} \oplus 154V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 23V^{(1,1,1),(2)} \oplus 29V^{(1,1,1),(1,1)} \oplus 44V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus 70V^{(1,1,1,1),\varnothing} \oplus 9V^{(1,1,1,1),(1)} \oplus V^{(2,1,1,1),\varnothing} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(2,2)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(1,1,1,1)} \oplus 5V^{\varnothing,(2,2,1)} \oplus 5V^{\varnothing,(2,1,1,1)} \oplus 81V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 222V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,2)} \oplus 92V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,2,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 54V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 188V^{(2),(2)} \oplus 210V^{(2),(1,1)} \oplus 64V^{(2),(2,1)} \oplus 64V^{(2),(1,1,1)} \oplus 4V^{(2),(2,2)} \oplus 5V^{(2),(2,1,1)} \oplus 4V^{(2),(1,1,1,1)} \oplus 54V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 214V^{(1,1),(2)} \oplus 258V^{(1,1),(1,1)} \oplus 88V^{(1,1),(2,1)} \oplus 88V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(2,2)} \oplus 9V^{(1,1),(2,1,1)} \oplus 7V^{(1,1),(1,1,1,1)} \oplus 27V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 56V^{(2,1),(2)} \oplus 68V^{(2,1),(1,1)} \oplus 13V^{(2,1),(2,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus 27V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 72V^{(1,1,1),(2)} \oplus 96V^{(1,1,1),(1,1)} \oplus 19V^{(1,1,1),(2,1)} \oplus 19V^{(1,1,1),(1,1,1)} \oplus 18V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 6V^{(2,1,1),(2)} \oplus 9V^{(2,1,1),(1,1)} \oplus 18V^{(1,1,1,1),\varnothing} \oplus 92V^{(1,1,1,1),(1)} \oplus 7V^{(1,1,1,1),(2)} \oplus 11V^{(1,1,1,1),(1,1)} \oplus 9V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)} \oplus 9V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus V^{(1),(2,2,1,1)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 66V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 24V^{(2),(2,2)} \oplus 28V^{(2),(2,1,1)} \oplus 24V^{(2),(1,1,1,1)} \oplus 2V^{(2),(2,2,1)} \oplus 2V^{(2),(2,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 78V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,2)} \oplus 36V^{(1,1),(2,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(2,2,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 60V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 28V^{(2,1),(2,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 4V^{(2,1),(2,2)} \oplus 5V^{(2,1),(2,1,1)} \oplus 4V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 40V^{(1,1,1),(2,1)} \oplus 40V^{(1,1,1),(1,1,1)} \oplus 7V^{(1,1,1),(2,2)} \oplus 9V^{(1,1,1),(2,1,1)} \oplus 7V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 24V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 7V^{(2,1,1),(2,1)} \oplus 7V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 36V^{(1,1,1,1),(1,1)} \oplus 9V^{(1,1,1,1),(2,1)} \oplus 9V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 2V^{(2,1,1,1),(2)} \oplus 3V^{(2,1,1,1),(1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 2V^{(1,1,1,1,1),(2)} \oplus 3V^{(1,1,1,1,1),(1,1)} \oplus V^{(2,1,1,1,1),(1)}$
$k = 4:$ $24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,2)} \oplus 18V^{(2),(2,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(2,2,1)} \oplus 10V^{(2),(2,1,1,1)} \oplus V^{(2),(2,2,1,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus$

Table 109: Table for $\lambda = (2,1,1,1,1)$, $\mu = (2,1,1,1,1)$:

$k = 12: \quad 60V^{\varnothing,\varnothing}$
$k = 11: \quad 1038V^{\varnothing,\varnothing} \oplus 53V^{\varnothing,(1)} \oplus 53V^{(1),\varnothing}$
$k = 10: \quad 1734V^{\varnothing,\varnothing} \oplus 930V^{\varnothing,(1)} \oplus 18V^{\varnothing,(2)} \oplus 26V^{\varnothing,(1,1)} \oplus 930V^{(1),\varnothing} \oplus 253V^{(1),(1)} \oplus 18V^{(2),\varnothing} \oplus 26V^{(1,1),\varnothing}$
$k = 9: \quad 1360V^{\varnothing,\varnothing} \oplus 1426V^{\varnothing,(1)} \oplus 214V^{\varnothing,(2)} \oplus 378V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(2,1)} \oplus 11V^{\varnothing,(1,1,1)} \oplus 1426V^{(1),\varnothing} \oplus 1396V^{(1),(1)} \oplus 67V^{(1),(2)} \oplus 85V^{(1),(1,1)} \oplus 214V^{(2),\varnothing} \oplus 67V^{(2),(1)} \oplus 378V^{(1,1),\varnothing} \oplus 85V^{(1,1),(1)} \oplus 8V^{(2,1),\varnothing} \oplus 11V^{(1,1,1),\varnothing}$
$k = 8: \quad 698V^{\varnothing,\varnothing} \oplus 936V^{\varnothing,(1)} \oplus 276V^{\varnothing,(2)} \oplus 462V^{\varnothing,(1,1)} \oplus 92V^{\varnothing,(2,1)} \oplus 164V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 4V^{\varnothing,(1,1,1,1)} \oplus 936V^{(1),\varnothing} \oplus 2090V^{(1),(1)} \oplus 396V^{(1),(2)} \oplus 532V^{(1),(1,1)} \oplus 19V^{(1),(2,1)} \oplus 25V^{(1),(1,1,1)} \oplus 276V^{(2),\varnothing} \oplus 396V^{(2),(1)} \oplus 34V^{(2),(2)} \oplus 43V^{(2),(1,1)} \oplus 462V^{(1,1),\varnothing} \oplus 532V^{(1,1),(1)} \oplus 43V^{(1,1),(2)} \oplus 61V^{(1,1),(1,1)} \oplus 92V^{(2,1),\varnothing} \oplus 19V^{(2,1),(1)} \oplus 164V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(2,1,1),\varnothing} \oplus 4V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 170V^{\varnothing,\varnothing} \oplus 340V^{\varnothing,(1)} \oplus 140V^{\varnothing,(2)} \oplus 220V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(2,1)} \oplus 130V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(2,1,1)} \oplus 62V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus 340V^{(1),\varnothing} \oplus 1520V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 714V^{(1),(1,1)} \oplus 160V^{(1),(2,1)} \oplus 216V^{(1),(1,1,1)} \oplus 7V^{(1),(2,1,1)} \oplus 9V^{(1),(1,1,1,1)} \oplus 140V^{(2),\varnothing} \oplus 582V^{(2),(1)} \oplus 130V^{(2),(2)} \oplus 160V^{(2),(1,1)} \oplus 10V^{(2),(2,1)} \oplus 13V^{(2),(1,1,1)} \oplus 220V^{(1,1),\varnothing} \oplus 714V^{(1,1),(1)} \oplus 160V^{(1,1),(2)} \oplus 220V^{(1,1),(1,1)} \oplus 19V^{(1,1),(2,1)} \oplus 25V^{(1,1),(1,1,1)} \oplus 80V^{(2,1),\varnothing} \oplus 160V^{(2,1),(1)} \oplus 10V^{(2,1),(2)} \oplus 19V^{(2,1),(1,1)} \oplus 130V^{(1,1,1),\varnothing} \oplus 216V^{(1,1,1),(1)} \oplus 13V^{(1,1,1),(2)} \oplus 25V^{(1,1,1),(1,1)} \oplus 36V^{(2,1,1),\varnothing} \oplus 7V^{(2,1,1),(1)} \oplus 62V^{(1,1,1,1),\varnothing} \oplus 9V^{(1,1,1,1),(1)} \oplus V^{(2,1,1,1),\varnothing} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6:$ $25V^{\varnothing,\varnothing} \oplus 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(2)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(2,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(2,1,1)} \oplus 10V^{\varnothing,(1,1,1,1)} \oplus 5V^{\varnothing,(2,1,1,1)} \oplus 5V^{\varnothing,(1,1,1,1,1)} \oplus 25V^{(1),\varnothing} \oplus 696V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 416V^{(1),(1,1)} \oplus 186V^{(1),(2,1)} \oplus 222V^{(1),(1,1,1)} \oplus 72V^{(1),(2,1,1)} \oplus 92V^{(1),(1,1,1,1)} \oplus 3V^{(1),(2,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus 20V^{(2),\varnothing} \oplus 368V^{(2),(1)} \oplus 184V^{(2),(2)} \oplus 206V^{(2),(1,1)} \oplus 52V^{(2),(2,1)} \oplus 64V^{(2),(1,1,1)} \oplus 4V^{(2),(2,1,1)} \oplus 5V^{(2),(1,1,1,1)} \oplus 20V^{(1,1),\varnothing} \oplus 416V^{(1,1),(1)} \oplus 206V^{(1,1),(2)} \oplus 250V^{(1,1),(1,1)} \oplus 64V^{(1,1),(2,1)} \oplus 88V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(2,1,1)} \oplus 9V^{(1,1),(1,1,1,1)} \oplus 15V^{(2,1),\varnothing} \oplus 186V^{(2,1),(1)} \oplus 52V^{(2,1),(2)} \oplus 64V^{(2,1),(1,1)} \oplus 10V^{(2,1),(2,1)} \oplus 13V^{(2,1),(1,1,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 222V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus 88V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(2,1)} \oplus 19V^{(1,1,1),(1,1,1)} \oplus 10V^{(2,1,1),\varnothing} \oplus 72V^{(2,1,1),(1)} \oplus 4V^{(2,1,1),(2)} \oplus 7V^{(2,1,1),(1,1)} \oplus 10V^{(1,1,1,1),\varnothing} \oplus 92V^{(1,1,1,1),(1)} \oplus 5V^{(1,1,1,1),(2)} \oplus 9V^{(1,1,1,1),(1,1)} \oplus 5V^{(2,1,1,1),\varnothing} \oplus 3V^{(2,1,1,1),(1)} \oplus 5V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5:$ $120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus V^{(1),(2,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(2)} \oplus 108V^{(2),(1,1)} \oplus 60V^{(2),(2,1)} \oplus 66V^{(2),(1,1,1)} \oplus 24V^{(2),(2,1,1)} \oplus 28V^{(2),(1,1,1,1)} \oplus 2V^{(2),(2,1,1,1)} \oplus 2V^{(2),(1,1,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 120V^{(1,1),(1,1)} \oplus 66V^{(1,1),(2,1)} \oplus 78V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(2,1,1)} \oplus 36V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(2,1,1,1)} \oplus 3V^{(1,1),(1,1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 60V^{(2,1),(2)} \oplus 66V^{(2,1),(1,1)} \oplus 22V^{(2,1),(2,1)} \oplus 28V^{(2,1),(1,1,1)} \oplus 4V^{(2,1),(2,1,1)} \oplus 5V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 78V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(2,1)} \oplus 40V^{(1,1,1),(1,1,1)} \oplus 7V^{(1,1,1),(2,1,1)} \oplus 9V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 24V^{(2,1,1),(2)} \oplus 28V^{(2,1,1),(1,1)} \oplus 4V^{(2,1,1),(2,1)} \oplus 7V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 36V^{(1,1,1,1),(1,1)} \oplus 5V^{(1,1,1,1),(2,1)} \oplus 9V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 2V^{(2,1,1,1),(2)} \oplus 3V^{(2,1,1,1),(1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 2V^{(1,1,1,1,1),(2)} \oplus 3V^{(1,1,1,1,1),(1,1)} \oplus V^{(2,1,1,1,1),(1)}$
$k = 4:$ $24V^{(2),(2)} \oplus 24V^{(2),(1,1)} \oplus 24V^{(2),(2,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(2,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(2,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus V^{(2),(2,1,1,1,1)} \oplus 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus$

Table 110: Table for $\lambda = (2,1,1,1,1)$, $\mu = (1,1,1,1,1,1)$:

$k = 12: \quad 5V^{\varnothing,\varnothing}$
$k = 11: \quad 802V^{\varnothing,\varnothing} \oplus 35V^{\varnothing,(1)} \oplus 10V^{(1),\varnothing}$
$k = 10:$ $1437V^{\varnothing,\varnothing} \oplus 530V^{\varnothing,(1)} \oplus 18V^{\varnothing,(1,1)} \oplus 646V^{(1),\varnothing} \oplus 187V^{(1),(1)} \oplus 5V^{(2),\varnothing} \oplus 8V^{(1,1),\varnothing}$
$k = 9: \quad 1195V^{\varnothing,\varnothing} \oplus 838V^{\varnothing,(1)} \oplus 214V^{\varnothing,(1,1)} \oplus 8V^{\varnothing,(1,1,1)} \oplus 1045V^{(1),\varnothing} \oplus 1036V^{(1),(1)} \oplus 67V^{(1),(1,1)} \oplus 138V^{(2),\varnothing} \oplus 34V^{(2),(1)} \oplus 266V^{(1,1),\varnothing} \oplus 43V^{(1,1),(1)} \oplus 4V^{(2,1),\varnothing} \oplus 6V^{(1,1,1),\varnothing}$
$k = 8: \quad 629V^{\varnothing,\varnothing} \oplus 568V^{\varnothing,(1)} \oplus 276V^{\varnothing,(1,1)} \oplus 92V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 704V^{(1),\varnothing} \oplus 1670V^{(1),(1)} \oplus 396V^{(1),(1,1)} \oplus 19V^{(1),(1,1,1)} \oplus 177V^{(2),\varnothing} \oplus 328V^{(2),(1)} \oplus 34V^{(2),(1,1)} \oplus 345V^{(1,1),\varnothing} \oplus 396V^{(1,1),(1)} \oplus 43V^{(1,1),(1,1)} \oplus 66V^{(2,1),\varnothing} \oplus 10V^{(2,1),(1)} \oplus 128V^{(1,1,1),\varnothing} \oplus 13V^{(1,1,1),(1)} \oplus 3V^{(2,1,1),\varnothing} \oplus 4V^{(1,1,1,1),\varnothing}$
$k = 7:$ $125V^{\varnothing,\varnothing} \oplus 220V^{\varnothing,(1)} \oplus 140V^{\varnothing,(1,1)} \oplus 80V^{\varnothing,(1,1,1)} \oplus 36V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus 245V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 582V^{(1),(1,1)} \oplus 160V^{(1),(1,1,1)} \oplus 7V^{(1),(1,1,1,1)} \oplus 84V^{(2),\varnothing} \oplus 516V^{(2),(1)} \oplus 130V^{(2),(1,1)} \oplus 10V^{(2),(1,1,1)} \oplus 164V^{(1,1),\varnothing} \oplus 582V^{(1,1),(1)} \oplus 160V^{(1,1),(1,1)} \oplus 19V^{(1,1),(1,1,1)} \oplus 53V^{(2,1),\varnothing} \oplus 132V^{(2,1),(1)} \oplus 10V^{(2,1),(1,1)} \oplus 103V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 13V^{(1,1,1),(1,1)} \oplus 28V^{(2,1,1),\varnothing} \oplus 4V^{(2,1,1),(1)} \oplus 54V^{(1,1,1,1),\varnothing} \oplus 5V^{(1,1,1,1),(1)} \oplus 2V^{(2,1,1,1),\varnothing} \oplus 2V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad 25V^{\varnothing,(1)} \oplus 20V^{\varnothing,(1,1)} \oplus 15V^{\varnothing,(1,1,1)} \oplus 10V^{\varnothing,(1,1,1,1)} \oplus 5V^{\varnothing,(1,1,1,1,1)} \oplus V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(1,1)} \oplus 186V^{(1),(1,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 3V^{(1),(1,1,1,1,1)} \oplus V^{(2),\varnothing} \oplus 344V^{(2),(1)} \oplus 184V^{(2),(1,1)} \oplus 52V^{(2),(1,1,1)} \oplus 4V^{(2),(1,1,1,1)} \oplus V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 206V^{(1,1),(1,1)} \oplus 64V^{(1,1),(1,1,1)} \oplus 7V^{(1,1),(1,1,1,1)} \oplus V^{(2,1),\varnothing} \oplus 168V^{(2,1),(1)} \oplus 52V^{(2,1),(1,1)} \oplus 10V^{(2,1),(1,1,1)} \oplus V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus V^{(2,1,1),\varnothing} \oplus 62V^{(2,1,1),(1)} \oplus 4V^{(2,1,1),(1,1)} \oplus V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 5V^{(1,1,1,1),(1,1)} \oplus V^{(2,1,1,1),\varnothing} \oplus 2V^{(2,1,1,1),(1)} \oplus V^{(1,1,1,1,1),\varnothing} \oplus 2V^{(1,1,1,1,1),(1)} \oplus V^{(2,1,1,1,1),\varnothing}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus V^{(1),(1,1,1,1,1,1)} \oplus 120V^{(2),(1)} \oplus 102V^{(2),(1,1)} \oplus 60V^{(2),(1,1,1)} \oplus 24V^{(2),(1,1,1,1)} \oplus 2V^{(2),(1,1,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 3V^{(1,1),(1,1,1,1,1)} \oplus 80V^{(2,1),(1)} \oplus 60V^{(2,1),(1,1)} \oplus 22V^{(2,1),(1,1,1)} \oplus 4V^{(2,1),(1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(1,1,1)} \oplus 7V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(2,1,1),(1)} \oplus 24V^{(2,1,1),(1,1)} \oplus 4V^{(2,1,1),(1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 5V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(2,1,1,1),(1)} \oplus 2V^{(2,1,1,1),(1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 2V^{(1,1,1,1,1),(1,1)} \oplus V^{(2,1,1,1,1),(1)}$
$k = 4: \quad 24V^{(2),(1,1)} \oplus 24V^{(2),(1,1,1)} \oplus 18V^{(2),(1,1,1,1)} \oplus 10V^{(2),(1,1,1,1,1)} \oplus V^{(2),(1,1,1,1,1,1)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(1,1,1,1,1)} \oplus V^{(1,1),(1,1,1,1,1,1)} \oplus 24V^{(2,1),(1,1)} \oplus 20V^{(2,1),(1,1,1)} \oplus 10V^{(2,1),(1,1,1,1)} \oplus 2V^{(2,1),(1,1,1,1,1)} \oplus 24V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(1,1,1)} \oplus 12V^{(1,1,1),(1,1,1,1)} \oplus 3V^{(1,1,1),(1,1,1,1,1)} \oplus 18V^{(2,1,1),(1,1)} \oplus 10V^{(2,1,1),(1,1,1)} \oplus 4V^{(2,1,1),(1,1,1,1)} \oplus 18V^{(1,1,1,1),(1,1)} \oplus 12V^{(1,1,1,1),(1,1,1)} \oplus 5V^{(1,1,1,1),(1,1,1,1)} \oplus 10V^{(2,1,1,1),(1,1)} \oplus 2V^{(2,1,1,1),(1,1,1)} \oplus 10V^{(1,1,1,1,1),(1,1)} \oplus 2V^{(1,1,1,1,1),(1,1,1)} \oplus V^{(2,1,1,1,1),(1,1)}$
$k = 3: \quad 6V^{(2,1),(1,1,1)} \oplus 6V^{(2,1),(1,1,1,1)} \oplus 4V^{(2,1),(1,1,1,1,1)} \oplus V^{(2,1),(1,1,1,1,1,1)} \oplus 6V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(1,1,1,1)} \oplus 4V^{(1,1,1),(1,1,1,1,1)} \oplus V^{(1,1,1),(1,1,1,1,1,1)} \oplus 6V^{(2,1,1),(1,1,1)} \oplus 5V^{(2,1,1),(1,1,1,1)} \oplus 2V^{(2,1,1),(1,1,1,1,1)} \oplus 6V^{(1,1,1,1),(1,1,1)} \oplus 6V^{(1,1,1,1),(1,1,1,1)} \oplus 3V^{(1,1,1,1),(1,1,1,1,1)} \oplus 4V^{(2,1,1,1),(1,1,1)} \oplus 2V^{(2,1,1,1),(1,1,1,1)} \oplus 4V^{(1,1,1,1,1),(1,1,1)} \oplus 2V^{(1,1,1,1,1),(1,1,1,1)} \oplus V^{(2,1,1,1,1),(1,1,1)}$
$k = 2: \quad 2V^{(2,1,1),(1,1,1,1)} \oplus 2V^{(2,1,1),(1,1,1,1,1)} \oplus V^{(2,1,1),(1,1,1,1,1,1)} \oplus 2V^{(1,1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1,1),(1,1,1,1,1)} \oplus V^{(1,1,1,1),(1,1,1,1,1,1)} \oplus 2V^{(2,1,1,1),(1,1,1,1)} \oplus 2V^{(2,1,1,1),(1,1,1,1,1)} \oplus 2V^{(1,1,1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1,1,1),(1,1,1,1,1)} \oplus V^{(2,1,1,1,1),(1,1,1,1)}$
$k = 1: \quad V^{(2,1,1,1),(1,1,1,1,1)} \oplus V^{(2,1,1,1),(1,1,1,1,1,1)} \oplus V^{(1,1,1,1,1),(1,1,1,1,1)}$

Table 111: Table for $\lambda = (1,1,1,1,1,1)$, $\mu = (6,)$:

$k = 12: \quad V^{\varnothing,\varnothing}$
$k = 11: \quad 677V^{\varnothing,\varnothing} \oplus 6V^{\varnothing,(1)} \oplus 5V^{(1),\varnothing}$
$k = 10: \quad 1250V^{\varnothing,\varnothing} \oplus 336V^{\varnothing,(1)} \oplus 5V^{\varnothing,(2)} \oplus 336V^{(1),\varnothing} \oplus 154V^{(1),(1)} \oplus 4V^{(1,1),\varnothing}$
$k = 9: \quad 1088V^{\varnothing,\varnothing} \oplus 535V^{\varnothing,(1)} \oplus 138V^{\varnothing,(2)} \oplus 4V^{\varnothing,(3)} \oplus 535V^{(1),\varnothing} \oplus 856V^{(1),(1)} \oplus 34V^{(1),(2)} \oplus 138V^{(1,1),\varnothing} \oplus 34V^{(1,1),(1)} \oplus 3V^{(1,1,1),\varnothing}$
$k = 8: \quad 600V^{\varnothing,\varnothing} \oplus 360V^{\varnothing,(1)} \oplus 177V^{\varnothing,(2)} \oplus 66V^{\varnothing,(3)} \oplus 3V^{\varnothing,(4)} \oplus 360V^{(1),\varnothing} \oplus 1460V^{(1),(1)} \oplus 328V^{(1),(2)} \oplus 10V^{(1),(3)} \oplus 177V^{(1,1),\varnothing} \oplus 328V^{(1,1),(1)} \oplus 34V^{(1,1),(2)} \oplus 66V^{(1,1,1),\varnothing} \oplus 10V^{(1,1,1),(1)} \oplus 2V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 125V^{\varnothing,(1)} \oplus 84V^{\varnothing,(2)} \oplus 53V^{\varnothing,(3)} \oplus 28V^{\varnothing,(4)} \oplus 2V^{\varnothing,(5)} \oplus 125V^{(1),\varnothing} \oplus 1196V^{(1),(1)} \oplus 516V^{(1),(2)} \oplus 132V^{(1),(3)} \oplus 4V^{(1),(4)} \oplus 84V^{(1,1),\varnothing} \oplus 516V^{(1,1),(1)} \oplus 130V^{(1,1),(2)} \oplus 10V^{(1,1),(3)} \oplus 53V^{(1,1,1),\varnothing} \oplus 132V^{(1,1,1),(1)} \oplus 10V^{(1,1,1),(2)} \oplus 28V^{(1,1,1,1),\varnothing} \oplus 4V^{(1,1,1,1),(1)} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(3)} \oplus V^{\varnothing,(4)} \oplus V^{\varnothing,(5)} \oplus V^{\varnothing,(6)} \oplus V^{(1),\varnothing} \oplus 624V^{(1),(1)} \oplus 344V^{(1),(2)} \oplus 168V^{(1),(3)} \oplus 62V^{(1),(4)} \oplus 2V^{(1),(5)} \oplus V^{(1,1),\varnothing} \oplus 344V^{(1,1),(1)} \oplus 184V^{(1,1),(2)} \oplus 52V^{(1,1),(3)} \oplus 4V^{(1,1),(4)} \oplus V^{(1,1,1),\varnothing} \oplus 168V^{(1,1,1),(1)} \oplus 52V^{(1,1,1),(2)} \oplus 10V^{(1,1,1),(3)} \oplus V^{(1,1,1,1),\varnothing} \oplus 62V^{(1,1,1,1),(1)} \oplus 4V^{(1,1,1,1),(2)} \oplus V^{(1,1,1,1,1),\varnothing} \oplus 2V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 80V^{(1),(3)} \oplus 50V^{(1),(4)} \oplus 26V^{(1),(5)} \oplus V^{(1),(6)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(2)} \oplus 60V^{(1,1),(3)} \oplus 24V^{(1,1),(4)} \oplus 2V^{(1,1),(5)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(2)} \oplus 22V^{(1,1,1),(3)} \oplus 4V^{(1,1,1),(4)} \oplus 50V^{(1,1,1,1),(1)} \oplus 24V^{(1,1,1,1),(2)} \oplus 4V^{(1,1,1,1),(3)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 2V^{(1,1,1,1,1),(2)} \oplus V^{(1,1,1,1,1,1),(1)}$
$k = 4: \quad 24V^{(1,1),(2)} \oplus 24V^{(1,1),(3)} \oplus 18V^{(1,1),(4)} \oplus 10V^{(1,1),(5)} \oplus V^{(1,1),(6)} \oplus 24V^{(1,1,1),(2)} \oplus 20V^{(1,1,1),(3)} \oplus 10V^{(1,1,1),(4)} \oplus 2V^{(1,1,1),(5)} \oplus 18V^{(1,1,1,1),(2)} \oplus 10V^{(1,1,1,1),(3)} \oplus 4V^{(1,1,1,1),(4)} \oplus 10V^{(1,1,1,1,1),(2)} \oplus 2V^{(1,1,1,1,1),(3)} \oplus V^{(1,1,1,1,1,1),(2)}$
$k = 3: \quad 6V^{(1,1,1),(3)} \oplus 6V^{(1,1,1),(4)} \oplus 4V^{(1,1,1),(5)} \oplus V^{(1,1,1),(6)} \oplus 6V^{(1,1,1,1),(3)} \oplus 5V^{(1,1,1,1),(4)} \oplus 2V^{(1,1,1,1),(5)} \oplus 4V^{(1,1,1,1,1),(3)} \oplus 2V^{(1,1,1,1,1),(4)} \oplus V^{(1,1,1,1,1,1),(3)}$
$k = 2:$ $2V^{(1,1,1,1),(4)} \oplus 2V^{(1,1,1,1),(5)} \oplus V^{(1,1,1,1),(6)} \oplus 2V^{(1,1,1,1,1),(4)} \oplus 2V^{(1,1,1,1,1),(5)} \oplus V^{(1,1,1,1,1,1),(4)}$
$k = 1: \quad V^{(1,1,1,1,1),(5)} \oplus V^{(1,1,1,1,1),(6)} \oplus V^{(1,1,1,1,1,1),(5)}$
$k = 0: \quad V^{(1,1,1,1,1,1),(6)}$

Table 112: Table for $\lambda = (1,1,1,1,1,1)$, $\mu = (5,1)$:

$k = 12: \quad 2V^{\varnothing,\varnothing}$
$k = 11: \quad 781V^{\varnothing,\varnothing} \oplus 10V^{\varnothing,(1)} \oplus 35V^{(1),\varnothing}$
$k = 10:$ $1417V^{\varnothing,\varnothing} \oplus 646V^{\varnothing,(1)} \oplus 8V^{\varnothing,(2)} \oplus 5V^{\varnothing,(1,1)} \oplus 530V^{(1),\varnothing} \oplus 187V^{(1),(1)} \oplus 18V^{(1,1),\varnothing}$
$k = 9: \quad 1184V^{\varnothing,\varnothing} \oplus 1045V^{\varnothing,(1)} \oplus 266V^{\varnothing,(2)} \oplus 138V^{\varnothing,(1,1)} \oplus 6V^{\varnothing,(3)} \oplus 4V^{\varnothing,(2,1)} \oplus 838V^{(1),\varnothing} \oplus 1036V^{(1),(1)} \oplus 43V^{(1),(2)} \oplus 34V^{(1),(1,1)} \oplus 214V^{(1,1),\varnothing} \oplus 67V^{(1,1),(1)} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 704V^{\varnothing,(1)} \oplus 345V^{\varnothing,(2)} \oplus 177V^{\varnothing,(1,1)} \oplus 128V^{\varnothing,(3)} \oplus 66V^{\varnothing,(2,1)} \oplus 4V^{\varnothing,(4)} \oplus 3V^{\varnothing,(3,1)} \oplus 568V^{(1),\varnothing} \oplus 1670V^{(1),(1)} \oplus 396V^{(1),(2)} \oplus 328V^{(1),(1,1)} \oplus 13V^{(1),(3)} \oplus 10V^{(1),(2,1)} \oplus 276V^{(1,1),\varnothing} \oplus 396V^{(1,1),(1)} \oplus 43V^{(1,1),(2)} \oplus 34V^{(1,1),(1,1)} \oplus 92V^{(1,1,1),\varnothing} \oplus 19V^{(1,1,1),(1)} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 164V^{\varnothing,(2)} \oplus 84V^{\varnothing,(1,1)} \oplus 103V^{\varnothing,(3)} \oplus 53V^{\varnothing,(2,1)} \oplus 54V^{\varnothing,(4)} \oplus 28V^{\varnothing,(3,1)} \oplus 2V^{\varnothing,(5)} \oplus 2V^{\varnothing,(4,1)} \oplus 220V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 516V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 132V^{(1),(2,1)} \oplus 5V^{(1),(4)} \oplus 4V^{(1),(3,1)} \oplus 140V^{(1,1),\varnothing} \oplus 582V^{(1,1),(1)} \oplus 160V^{(1,1),(2)} \oplus 130V^{(1,1),(1,1)} \oplus 13V^{(1,1),(3)} \oplus 10V^{(1,1),(2,1)} \oplus 80V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 19V^{(1,1,1),(2)} \oplus 10V^{(1,1,1),(1,1)} \oplus 36V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(3)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(4)} \oplus V^{\varnothing,(3,1)} \oplus V^{\varnothing,(5)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(5,1)} \oplus 25V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 344V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 168V^{(1),(2,1)} \oplus 72V^{(1),(4)} \oplus 62V^{(1),(3,1)} \oplus 2V^{(1),(5)} \oplus 2V^{(1),(4,1)} \oplus 20V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 206V^{(1,1),(2)} \oplus 184V^{(1,1),(1,1)} \oplus 64V^{(1,1),(3)} \oplus 52V^{(1,1),(2,1)} \oplus 5V^{(1,1),(4)} \oplus 4V^{(1,1),(3,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus 52V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(3)} \oplus 10V^{(1,1,1),(2,1)} \oplus 10V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 7V^{(1,1,1,1),(2)} \oplus 4V^{(1,1,1,1),(1,1)} \oplus 5V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5:$ $120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 26V^{(1),(5)} \oplus 26V^{(1),(4,1)} \oplus V^{(1),(5,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 102V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 60V^{(1,1),(2,1)} \oplus 28V^{(1,1),(4)} \oplus 24V^{(1,1),(3,1)} \oplus 2V^{(1,1),(5)} \oplus 2V^{(1,1),(4,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 60V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(3)} \oplus 22V^{(1,1,1),(2,1)} \oplus 5V^{(1,1,1),(4)} \oplus 4V^{(1,1,1),(3,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 24V^{(1,1,1,1),(1,1)} \oplus 7V^{(1,1,1,1),(3)} \oplus 4V^{(1,1,1,1),(2,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 3V^{(1,1,1,1,1),(2)} \oplus 2V^{(1,1,1,1,1),(1,1)} \oplus V^{(1,1,1,1,1,1),(1)}$
$k = 4: \quad 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 10V^{(1,1),(5)} \oplus 10V^{(1,1),(4,1)} \oplus V^{(1,1),(5,1)} \oplus 24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(3)} \oplus 20V^{(1,1,1),(2,1)} \oplus 12V^{(1,1,1),(4)} \oplus 10V^{(1,1,1),(3,1)} \oplus 2V^{(1,1,1),(5)} \oplus 2V^{(1,1,1),(4,1)} \oplus 18V^{(1,1,1,1),(2)} \oplus 18V^{(1,1,1,1),(1,1)} \oplus 12V^{(1,1,1,1),(3)} \oplus 10V^{(1,1,1,1),(2,1)} \oplus 5V^{(1,1,1,1),(4)} \oplus 4V^{(1,1,1,1),(3,1)} \oplus 10V^{(1,1,1,1,1),(2)} \oplus 10V^{(1,1,1,1,1),(1,1)} \oplus 3V^{(1,1,1,1,1),(3)} \oplus 2V^{(1,1,1,1,1),(2,1)} \oplus V^{(1,1,1,1,1,1),(2)} \oplus V^{(1,1,1,1,1,1),(1,1)}$
$k = 3: \quad 6V^{(1,1,1),(3)} \oplus 6V^{(1,1,1),(2,1)} \oplus 6V^{(1,1,1),(4)} \oplus 6V^{(1,1,1),(3,1)} \oplus 4V^{(1,1,1),(5)} \oplus 4V^{(1,1,1),(4,1)} \oplus V^{(1,1,1),(5,1)} \oplus 6V^{(1,1,1,1),(3)} \oplus 6V^{(1,1,1,1),(2,1)} \oplus 6V^{(1,1,1,1),(4)} \oplus 5V^{(1,1,1,1),(3,1)} \oplus 2V^{(1,1,1,1),(5)} \oplus 2V^{(1,1,1,1),(4,1)} \oplus 4V^{(1,1,1,1,1),(3)} \oplus 4V^{(1,1,1,1,1),(2,1)} \oplus 3V^{(1,1,1,1,1),(4)} \oplus 2V^{(1,1,1,1,1),(3,1)} \oplus V^{(1,1,1,1,1,1),(3)} \oplus V^{(1,1,1,1,1,1),(2,1)}$
$k = 2: \quad 2V^{(1,1,1,1),(4)} \oplus 2V^{(1,1,1,1),(3,1)} \oplus 2V^{(1,1,1,1),(5)} \oplus 2V^{(1,1,1,1),(4,1)} \oplus V^{(1,1,1,1),(5,1)} \oplus 2V^{(1,1,1,1,1),(4)} \oplus 2V^{(1,1,1,1,1),(3,1)} \oplus 2V^{(1,1,1,1,1),(5)} \oplus 2V^{(1,1,1,1,1),(4,1)} \oplus V^{(1,1,1,1,1,1),(4)} \oplus V^{(1,1,1,1,1,1),(3,1)}$
$k = 1: \quad V^{(1,1,1,1,1),(5)} \oplus V^{(1,1,1,1,1),(4,1)} \oplus V^{(1,1,1,1,1),(5,1)} \oplus V^{(1,1,1,1,1,1),(5)} \oplus V^{(1,1,1,1,1,1),(4,1)}$
$k = 0: \quad V^{(1,1,1,1,1,1),(5,1)}$

Table 113: Table for $\lambda = (1,1,1,1,1,1)$, $\mu = (4,2)$:

$k = 12: \quad 2V^{\varnothing,\varnothing}$
$k = 11: \quad 785V^{\varnothing,\varnothing} \oplus 11V^{\varnothing,(1)} \oplus 63V^{(1),\varnothing}$
$k = 10:$ $1421V^{\varnothing,\varnothing} \oplus 654V^{\varnothing,(1)} \oplus 9V^{\varnothing,(2)} \oplus 7V^{\varnothing,(1,1)} \oplus 642V^{(1),\varnothing} \oplus 193V^{(1),(1)} \oplus 22V^{(1,1),\varnothing}$
$k = 9: \quad 1184V^{\varnothing,\varnothing} \oplus 1051V^{\varnothing,(1)} \oplus 286V^{\varnothing,(2)} \oplus 162V^{\varnothing,(1,1)} \oplus 6V^{\varnothing,(3)} \oplus 6V^{\varnothing,(2,1)} \oplus$ $1038V^{(1),\varnothing} \oplus 1060V^{(1),(1)} \oplus 45V^{(1),(2)} \oplus 42V^{(1),(1,1)} \oplus 254V^{(1,1),\varnothing} \oplus 73V^{(1,1),(1)} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 704V^{\varnothing,(1)} \oplus 363V^{\varnothing,(2)} \oplus 195V^{\varnothing,(1,1)} \oplus 128V^{\varnothing,(3)} \oplus 128V^{\varnothing,(2,1)} \oplus$ $3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 728V^{(1),\varnothing} \oplus 1682V^{(1),(1)} \oplus 412V^{(1),(2)} \oplus$ $356V^{(1),(1,1)} \oplus 13V^{(1),(3)} \oplus 13V^{(1),(2,1)} \oplus 348V^{(1,1),\varnothing} \oplus 408V^{(1,1),(1)} \oplus 45V^{(1,1),(2)} \oplus$ $42V^{(1,1),(1,1)} \oplus 108V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7:$ $120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 164V^{\varnothing,(2)} \oplus 84V^{\varnothing,(1,1)} \oplus 103V^{\varnothing,(3)} \oplus 103V^{\varnothing,(2,1)} \oplus 28V^{\varnothing,(4)} \oplus$ $54V^{\varnothing,(3,1)} \oplus 28V^{\varnothing,(2,2)} \oplus 2V^{\varnothing,(4,1)} \oplus 2V^{\varnothing,(3,2)} \oplus 390V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 594V^{(1),(2)} \oplus$ $528V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 160V^{(1),(2,1)} \oplus 4V^{(1),(4)} \oplus 5V^{(1),(3,1)} \oplus 4V^{(1),(2,2)} \oplus 188V^{(1,1),\varnothing} \oplus$ $582V^{(1,1),(1)} \oplus 168V^{(1,1),(2)} \oplus 144V^{(1,1),(1,1)} \oplus 13V^{(1,1),(3)} \oplus 13V^{(1,1),(2,1)} \oplus 104V^{(1,1,1),\varnothing} \oplus$ $160V^{(1,1,1),(1)} \oplus 21V^{(1,1,1),(2)} \oplus 18V^{(1,1,1),(1,1)} \oplus 44V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(3)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(4)} \oplus V^{\varnothing,(3,1)} \oplus V^{\varnothing,(2,2)} \oplus$ $V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,2)} \oplus V^{\varnothing,(4,2)} \oplus 81V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 344V^{(1),(1,1)} \oplus$ $186V^{(1),(3)} \oplus 186V^{(1),(2,1)} \oplus 62V^{(1),(4)} \oplus 72V^{(1),(3,1)} \oplus 62V^{(1),(2,2)} \oplus 2V^{(1),(4,1)} \oplus$ $2V^{(1),(3,2)} \oplus 54V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 210V^{(1,1),(2)} \oplus 188V^{(1,1),(1,1)} \oplus 64V^{(1,1),(3)} \oplus$ $64V^{(1,1),(2,1)} \oplus 4V^{(1,1),(4)} \oplus 5V^{(1,1),(3,1)} \oplus 4V^{(1,1),(2,2)} \oplus 27V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus$ $68V^{(1,1,1),(2)} \oplus 56V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(3)} \oplus 13V^{(1,1,1),(2,1)} \oplus 18V^{(1,1,1,1),\varnothing} \oplus$ $72V^{(1,1,1,1),(1)} \oplus 9V^{(1,1,1,1),(2)} \oplus 6V^{(1,1,1,1),(1,1)} \oplus 9V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus$ $50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(4,2)} \oplus$ $120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 102V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 24V^{(1,1),(4)} \oplus$ $28V^{(1,1),(3,1)} \oplus 24V^{(1,1),(2,2)} \oplus 2V^{(1,1),(4,1)} \oplus 2V^{(1,1),(3,2)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus$ $60V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(3)} \oplus 28V^{(1,1,1),(2,1)} \oplus 4V^{(1,1,1),(4)} \oplus 5V^{(1,1,1),(3,1)} \oplus$ $4V^{(1,1,1),(2,2)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 24V^{(1,1,1,1),(1,1)} \oplus 7V^{(1,1,1,1),(3)} \oplus$ $7V^{(1,1,1,1),(2,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 3V^{(1,1,1,1,1),(2)} \oplus 2V^{(1,1,1,1,1),(1,1)} \oplus V^{(1,1,1,1,1,1),(1)}$
$k = 4:$ $24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus$ $18V^{(1,1),(2,2)} \oplus 10V^{(1,1),(4,1)} \oplus 10V^{(1,1),(3,2)} \oplus V^{(1,1),(4,2)} \oplus 24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus$ $22V^{(1,1,1),(3)} \oplus 22V^{(1,1,1),(2,1)} \oplus 10V^{(1,1,1),(4)} \oplus 12V^{(1,1,1),(3,1)} \oplus 10V^{(1,1,1),(2,2)} \oplus$ $2V^{(1,1,1),(4,1)} \oplus 2V^{(1,1,1),(3,2)} \oplus 18V^{(1,1,1,1),(2)} \oplus 18V^{(1,1,1,1),(1,1)} \oplus 12V^{(1,1,1,1),(3)} \oplus$ $12V^{(1,1,1,1),(2,1)} \oplus 4V^{(1,1,1,1),(4)} \oplus 5V^{(1,1,1,1),(3,1)} \oplus 4V^{(1,1,1,1),(2,2)} \oplus 10V^{(1,1,1,1,1),(2)} \oplus$ $10V^{(1,1,1,1,1),(1,1)} \oplus 3V^{(1,1,1,1,1),(3)} \oplus 3V^{(1,1,1,1,1),(2,1)} \oplus V^{(1,1,1,1,1,1),(2)} \oplus V^{(1,1,1,1,1,1),(1,1)}$
$k = 3:$ $6V^{(1,1,1),(3)} \oplus 6V^{(1,1,1),(2,1)} \oplus 6V^{(1,1,1),(4)} \oplus 6V^{(1,1,1),(3,1)} \oplus 6V^{(1,1,1),(2,2)} \oplus 4V^{(1,1,1),(4,1)} \oplus$ $4V^{(1,1,1),(3,2)} \oplus V^{(1,1,1),(4,2)} \oplus 6V^{(1,1,1,1),(3)} \oplus 6V^{(1,1,1,1),(2,1)} \oplus 5V^{(1,1,1,1),(4)} \oplus 6V^{(1,1,1,1),(3,1)} \oplus$ $5V^{(1,1,1,1),(2,2)} \oplus 2V^{(1,1,1,1),(4,1)} \oplus 2V^{(1,1,1,1),(3,2)} \oplus 4V^{(1,1,1,1,1),(3)} \oplus 4V^{(1,1,1,1,1),(2,1)} \oplus$ $2V^{(1,1,1,1,1),(4)} \oplus 3V^{(1,1,1,1,1),(3,1)} \oplus 2V^{(1,1,1,1,1),(2,2)} \oplus V^{(1,1,1,1,1,1),(3)} \oplus V^{(1,1,1,1,1,1),(2,1)}$
$k = 2: \quad 2V^{(1,1,1,1),(4)} \oplus 2V^{(1,1,1,1),(3,1)} \oplus 2V^{(1,1,1,1),(2,2)} \oplus 2V^{(1,1,1,1),(4,1)} \oplus$ $2V^{(1,1,1,1),(3,2)} \oplus V^{(1,1,1,1),(4,2)} \oplus 2V^{(1,1,1,1,1),(4)} \oplus 2V^{(1,1,1,1,1),(3,1)} \oplus 2V^{(1,1,1,1,1),(2,2)} \oplus$ $2V^{(1,1,1,1,1),(4,1)} \oplus 2V^{(1,1,1,1,1),(3,2)} \oplus V^{(1,1,1,1,1,1),(4)} \oplus V^{(1,1,1,1,1,1),(3,1)} \oplus V^{(1,1,1,1,1,1),(2,2)}$

Table 114: Table for $\lambda = (1,1,1,1,1,1)$, $\mu = (4,1,1)$:

$k = 12: \quad 3V^{\varnothing,\varnothing}$
$k = 11: \quad 802V^{\varnothing,\varnothing} \oplus 12V^{\varnothing,(1)} \oplus 80V^{(1),\varnothing}$
$k = 10:$ $1440V^{\varnothing,\varnothing} \oplus 694V^{\varnothing,(1)} \oplus 9V^{\varnothing,(2)} \oplus 8V^{\varnothing,(1,1)} \oplus 686V^{(1),\varnothing} \oplus 195V^{(1),(1)} \oplus 28V^{(1,1),\varnothing}$
$k = 9:$ $1200V^{\varnothing,\varnothing} \oplus 1105V^{\varnothing,(1)} \oplus 286V^{\varnothing,(2)} \oplus 266V^{\varnothing,(1,1)} \oplus 6V^{\varnothing,(3)} \oplus 6V^{\varnothing,(2,1)} \oplus 4V^{\varnothing,(1,1,1)} \oplus$ $1094V^{(1),\varnothing} \oplus 1092V^{(1),(1)} \oplus 45V^{(1),(2)} \oplus 43V^{(1),(1,1)} \oplus 268V^{(1,1),\varnothing} \oplus 75V^{(1,1),(1)} \oplus 9V^{(1,1,1),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 728V^{\varnothing,(1)} \oplus 363V^{\varnothing,(2)} \oplus 345V^{\varnothing,(1,1)} \oplus 128V^{\varnothing,(3)} \oplus 128V^{\varnothing,(2,1)} \oplus$ $66V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(4)} \oplus 4V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 928V^{(1),\varnothing} \oplus 1718V^{(1),(1)} \oplus$ $412V^{(1),(2)} \oplus 396V^{(1),(1,1)} \oplus 13V^{(1),(3)} \oplus 13V^{(1),(2,1)} \oplus 10V^{(1),(1,1,1)} \oplus 366V^{(1,1),\varnothing} \oplus$ $424V^{(1,1),(1)} \oplus 45V^{(1,1),(2)} \oplus 43V^{(1,1),(1,1)} \oplus 112V^{(1,1,1),\varnothing} \oplus 27V^{(1,1,1),(1)} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 164V^{\varnothing,(2)} \oplus 164V^{\varnothing,(1,1)} \oplus 103V^{\varnothing,(3)} \oplus 103V^{\varnothing,(2,1)} \oplus$ $53V^{\varnothing,(1,1,1)} \oplus 28V^{\varnothing,(4)} \oplus 54V^{\varnothing,(3,1)} \oplus 28V^{\varnothing,(2,1,1)} \oplus 2V^{\varnothing,(4,1)} \oplus 2V^{\varnothing,(3,1,1)} \oplus 470V^{(1),\varnothing} \oplus$ $1316V^{(1),(1)} \oplus 594V^{(1),(2)} \oplus 582V^{(1),(1,1)} \oplus 160V^{(1),(3)} \oplus 160V^{(1),(2,1)} \oplus 132V^{(1),(1,1,1)} \oplus$ $4V^{(1),(4)} \oplus 5V^{(1),(3,1)} \oplus 4V^{(1),(2,1,1)} \oplus 240V^{(1,1),\varnothing} \oplus 594V^{(1,1),(1)} \oplus 168V^{(1,1),(2)} \oplus$ $160V^{(1,1),(1,1)} \oplus 13V^{(1,1),(3)} \oplus 13V^{(1,1),(2,1)} \oplus 10V^{(1,1),(1,1,1)} \oplus 110V^{(1,1,1),\varnothing} \oplus$ $168V^{(1,1,1),(1)} \oplus 21V^{(1,1,1),(2)} \oplus 19V^{(1,1,1),(1,1)} \oplus 46V^{(1,1,1,1),\varnothing} \oplus 9V^{(1,1,1,1),(1)} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(3)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(1,1,1)} \oplus V^{\varnothing,(4)} \oplus V^{\varnothing,(3,1)} \oplus$ $V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(4,1)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(4,1,1)} \oplus 100V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus$ $368V^{(1),(1,1)} \oplus 186V^{(1),(3)} \oplus 186V^{(1),(2,1)} \oplus 168V^{(1),(1,1,1)} \oplus 62V^{(1),(4)} \oplus 72V^{(1),(3,1)} \oplus$ $62V^{(1),(2,1,1)} \oplus 2V^{(1),(4,1)} \oplus 2V^{(1),(3,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 210V^{(1,1),(2)} \oplus$ $206V^{(1,1),(1,1)} \oplus 64V^{(1,1),(3)} \oplus 64V^{(1,1),(2,1)} \oplus 52V^{(1,1),(1,1,1)} \oplus 4V^{(1,1),(4)} \oplus 5V^{(1,1),(3,1)} \oplus$ $4V^{(1,1),(2,1,1)} \oplus 40V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 68V^{(1,1,1),(2)} \oplus 64V^{(1,1,1),(1,1)} \oplus$ $13V^{(1,1,1),(3)} \oplus 13V^{(1,1,1),(2,1)} \oplus 10V^{(1,1,1),(1,1,1)} \oplus 20V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus$ $9V^{(1,1,1,1),(2)} \oplus 7V^{(1,1,1,1),(1,1)} \oplus 10V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus$ $80V^{(1),(1,1,1)} \oplus 50V^{(1),(4)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(4,1)} \oplus 26V^{(1),(3,1,1)} \oplus$ $V^{(1),(4,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus$ $60V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(4)} \oplus 28V^{(1,1),(3,1)} \oplus 24V^{(1,1),(2,1,1)} \oplus 2V^{(1,1),(4,1)} \oplus$ $2V^{(1,1),(3,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(3)} \oplus$ $28V^{(1,1,1),(2,1)} \oplus 22V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(4)} \oplus 5V^{(1,1,1),(3,1)} \oplus 4V^{(1,1,1),(2,1,1)} \oplus$ $50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 7V^{(1,1,1,1),(3)} \oplus 7V^{(1,1,1,1),(2,1)} \oplus$ $4V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 3V^{(1,1,1,1,1),(2)} \oplus 3V^{(1,1,1,1,1),(1,1)} \oplus V^{(1,1,1,1,1,1),(1)}$
$k = 4: \quad 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus$ $18V^{(1,1),(4)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,1,1)} \oplus 10V^{(1,1),(4,1)} \oplus 10V^{(1,1),(3,1,1)} \oplus V^{(1,1),(4,1,1)} \oplus$ $24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(3)} \oplus 22V^{(1,1,1),(2,1)} \oplus 20V^{(1,1,1),(1,1,1)} \oplus$ $10V^{(1,1,1),(4)} \oplus 12V^{(1,1,1),(3,1)} \oplus 10V^{(1,1,1),(2,1,1)} \oplus 2V^{(1,1,1),(4,1)} \oplus 2V^{(1,1,1),(3,1,1)} \oplus$ $18V^{(1,1,1,1),(2)} \oplus 18V^{(1,1,1,1),(1,1)} \oplus 12V^{(1,1,1,1),(3)} \oplus 12V^{(1,1,1,1),(2,1)} \oplus 10V^{(1,1,1,1),(1,1,1)} \oplus$ $4V^{(1,1,1,1),(4)} \oplus 5V^{(1,1,1,1),(3,1)} \oplus 4V^{(1,1,1,1),(2,1,1)} \oplus 10V^{(1,1,1,1,1),(2)} \oplus 10V^{(1,1,1,1,1),(1,1)} \oplus$ $3V^{(1,1,1,1,1),(3)} \oplus 3V^{(1,1,1,1,1),(2,1)} \oplus 2V^{(1,1,1,1,1),(1,1,1)} \oplus V^{(1,1,1,1,1,1),(2)} \oplus V^{(1,1,1,1,1,1),(1,1)}$
$k = 3:$ $6V^{(1,1,1),(3)} \oplus 6V^{(1,1,1),(2,1)} \oplus 6V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(4)} \oplus 6V^{(1,1,1),(3,1)} \oplus 6V^{(1,1,1),(2,1,1)} \oplus$ $4V^{(1,1,1),(4,1)} \oplus 4V^{(1,1,1),(3,1,1)} \oplus V^{(1,1,1),(4,1,1)} \oplus 6V^{(1,1,1,1),(3)} \oplus 6V^{(1,1,1,1),(2,1)} \oplus$ $6V^{(1,1,1,1),(1,1,1)} \oplus 5V^{(1,1,1,1),(4)} \oplus 6V^{(1,1,1,1),(3,1)} \oplus 5V^{(1,1,1,1),(2,1,1)} \oplus 2V^{(1,1,1,1),(4,1)} \oplus$ $2V^{(1,1,1,1),(3,1,1)} \oplus 4V^{(1,1,1,1,1),(3)} \oplus 4V^{(1,1,1,1,1),(2,1)} \oplus 4V^{(1,1,1,1,1),(1,1,1)} \oplus 2V^{(1,1,1,1,1),(4)} \oplus$ $3V^{(1,1,1,1,1),(3,1)} \oplus 2V^{(1,1,1,1,1),(2,1,1)} \oplus V^{(1,1,1,1,1,1),(3)} \oplus V^{(1,1,1,1,1,1),(2,1)} \oplus V^{(1,1,1,1,1,1),(1,1,1)}$

Table 115: Table for $\lambda = (1,1,1,1,1,1)$, $\mu = (3,3)$:

$k = 12: \quad 2V^{\varnothing,\varnothing}$
$k = 11: \quad 781V^{\varnothing,\varnothing} \oplus 9V^{\varnothing,(1)} \oplus 46V^{(1),\varnothing}$
$k = 10:$ $1417V^{\varnothing,\varnothing} \oplus 644V^{\varnothing,(1)} \oplus 7V^{\varnothing,(2)} \oplus 6V^{\varnothing,(1,1)} \oplus 536V^{(1),\varnothing} \oplus 163V^{(1),(1)} \oplus 21V^{(1,1),\varnothing}$
$k = 9: \quad 1184V^{\varnothing,\varnothing} \oplus 1045V^{\varnothing,(1)} \oplus 262V^{\varnothing,(2)} \oplus 158V^{\varnothing,(1,1)} \oplus 4V^{\varnothing,(3)} \oplus 5V^{\varnothing,(2,1)} \oplus$ $838V^{(1),\varnothing} \oplus 1012V^{(1),(1)} \oplus 37V^{(1),(2)} \oplus 36V^{(1),(1,1)} \oplus 214V^{(1,1),\varnothing} \oplus 43V^{(1,1),(1)} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 704V^{\varnothing,(1)} \oplus 345V^{\varnothing,(2)} \oplus 195V^{\varnothing,(1,1)} \oplus 66V^{\varnothing,(3)} \oplus 118V^{\varnothing,(2,1)} \oplus$ $3V^{\varnothing,(3,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 568V^{(1),\varnothing} \oplus 1670V^{(1),(1)} \oplus 384V^{(1),(2)} \oplus 344V^{(1),(1,1)} \oplus$ $10V^{(1),(3)} \oplus 11V^{(1),(2,1)} \oplus 276V^{(1,1),\varnothing} \oplus 396V^{(1,1),(1)} \oplus 37V^{(1,1),(2)} \oplus 36V^{(1,1),(1,1)} \oplus$ $92V^{(1,1,1),\varnothing} \oplus 19V^{(1,1,1),(1)} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 164V^{\varnothing,(2)} \oplus 84V^{\varnothing,(1,1)} \oplus 53V^{\varnothing,(3)} \oplus 103V^{\varnothing,(2,1)} \oplus$ $28V^{\varnothing,(3,1)} \oplus 28V^{\varnothing,(2,2)} \oplus 2V^{\varnothing,(3,2)} \oplus 245V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus$ $528V^{(1),(1,1)} \oplus 132V^{(1),(3)} \oplus 152V^{(1),(2,1)} \oplus 4V^{(1),(3,1)} \oplus 4V^{(1),(2,2)} \oplus 140V^{(1,1),\varnothing} \oplus$ $582V^{(1,1),(1)} \oplus 154V^{(1,1),(2)} \oplus 138V^{(1,1),(1,1)} \oplus 10V^{(1,1),(3)} \oplus 11V^{(1,1),(2,1)} \oplus 80V^{(1,1,1),\varnothing} \oplus$ $160V^{(1,1,1),(1)} \oplus 13V^{(1,1,1),(2)} \oplus 12V^{(1,1,1),(1,1)} \oplus 36V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(3)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(3,1)} \oplus V^{\varnothing,(2,2)} \oplus V^{\varnothing,(3,2)} \oplus$ $V^{\varnothing,(3,3)} \oplus 25V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 368V^{(1),(2)} \oplus 344V^{(1),(1,1)} \oplus 168V^{(1),(3)} \oplus$ $186V^{(1),(2,1)} \oplus 62V^{(1),(3,1)} \oplus 62V^{(1),(2,2)} \oplus 2V^{(1),(3,2)} \oplus 25V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus$ $206V^{(1,1),(2)} \oplus 188V^{(1,1),(1,1)} \oplus 52V^{(1,1),(3)} \oplus 60V^{(1,1),(2,1)} \oplus 4V^{(1,1),(3,1)} \oplus 4V^{(1,1),(2,2)} \oplus$ $15V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus 56V^{(1,1,1),(1,1)} \oplus 10V^{(1,1,1),(3)} \oplus$ $11V^{(1,1,1),(2,1)} \oplus 10V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 7V^{(1,1,1,1),(2)} \oplus 6V^{(1,1,1,1),(1,1)} \oplus$ $5V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus 50V^{(1),(3,1)} \oplus$ $50V^{(1),(2,2)} \oplus 26V^{(1),(3,2)} \oplus V^{(1),(3,3)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 102V^{(1,1),(1,1)} \oplus$ $60V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus 24V^{(1,1),(3,1)} \oplus 24V^{(1,1),(2,2)} \oplus 2V^{(1,1),(3,2)} \oplus 80V^{(1,1,1),(1)} \oplus$ $66V^{(1,1,1),(2)} \oplus 60V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(3)} \oplus 26V^{(1,1,1),(2,1)} \oplus 4V^{(1,1,1),(3,1)} \oplus$ $4V^{(1,1,1),(2,2)} \oplus 50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 24V^{(1,1,1,1),(1,1)} \oplus 4V^{(1,1,1,1),(3)} \oplus$ $5V^{(1,1,1,1),(2,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 3V^{(1,1,1,1,1),(2)} \oplus 2V^{(1,1,1,1,1),(1,1)} \oplus V^{(1,1,1,1,1,1),(1)}$
$k = 4:$ $24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus$ $10V^{(1,1),(3,2)} \oplus V^{(1,1),(3,3)} \oplus 24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 20V^{(1,1,1),(3)} \oplus 22V^{(1,1,1),(2,1)} \oplus$ $10V^{(1,1,1),(3,1)} \oplus 10V^{(1,1,1),(2,2)} \oplus 2V^{(1,1,1),(3,2)} \oplus 18V^{(1,1,1,1),(2)} \oplus 18V^{(1,1,1,1),(1,1)} \oplus$ $10V^{(1,1,1,1),(3)} \oplus 12V^{(1,1,1,1),(2,1)} \oplus 4V^{(1,1,1,1),(3,1)} \oplus 4V^{(1,1,1,1),(2,2)} \oplus 10V^{(1,1,1,1,1),(2)} \oplus$ $10V^{(1,1,1,1,1),(1,1)} \oplus 2V^{(1,1,1,1,1),(3)} \oplus 3V^{(1,1,1,1,1),(2,1)} \oplus V^{(1,1,1,1,1,1),(2)} \oplus V^{(1,1,1,1,1,1),(1,1)}$
$k = 3: \quad 6V^{(1,1,1),(3)} \oplus 6V^{(1,1,1),(2,1)} \oplus 6V^{(1,1,1),(3,1)} \oplus 6V^{(1,1,1),(2,2)} \oplus 4V^{(1,1,1),(3,2)} \oplus$ $V^{(1,1,1),(3,3)} \oplus 6V^{(1,1,1,1),(3)} \oplus 6V^{(1,1,1,1),(2,1)} \oplus 5V^{(1,1,1,1),(3,1)} \oplus 5V^{(1,1,1,1),(2,2)} \oplus$ $2V^{(1,1,1,1),(3,2)} \oplus 4V^{(1,1,1,1,1),(3)} \oplus 4V^{(1,1,1,1,1),(2,1)} \oplus 2V^{(1,1,1,1,1),(3,1)} \oplus 2V^{(1,1,1,1,1),(2,2)} \oplus$ $V^{(1,1,1,1,1,1),(3)} \oplus V^{(1,1,1,1,1,1),(2,1)}$
$k = 2: \quad 2V^{(1,1,1,1),(3,1)} \oplus 2V^{(1,1,1,1),(2,2)} \oplus 2V^{(1,1,1,1),(3,2)} \oplus V^{(1,1,1,1),(3,3)} \oplus$ $2V^{(1,1,1,1,1),(3,1)} \oplus 2V^{(1,1,1,1,1),(2,2)} \oplus 2V^{(1,1,1,1,1),(3,2)} \oplus V^{(1,1,1,1,1,1),(3,1)} \oplus V^{(1,1,1,1,1,1),(2,2)}$
$k = 1: \quad V^{(1,1,1,1,1),(3,2)} \oplus V^{(1,1,1,1,1),(3,3)} \oplus V^{(1,1,1,1,1,1),(3,2)}$
$k = 0: \quad V^{(1,1,1,1,1,1),(3,3)}$

Table 116: Table for $\lambda = (1,1,1,1,1,1)$, $\mu = (3,2,1)$:

$k = 12: \quad 3V^{\varnothing,\varnothing}$
$k = 11: \quad 808V^{\varnothing,\varnothing} \oplus 13V^{\varnothing,(1)} \oplus 117V^{(1),\varnothing}$
$k = 10:$ $1446V^{\varnothing,\varnothing} \oplus 696V^{\varnothing,(1)} \oplus 10V^{\varnothing,(2)} \oplus 10V^{\varnothing,(1,1)} \oplus 848V^{(1),\varnothing} \oplus 219V^{(1),(1)} \oplus 31V^{(1,1),\varnothing}$
$k = 9:$ $1206V^{\varnothing,\varnothing} \oplus 1105V^{\varnothing,(1)} \oplus 290V^{\varnothing,(2)} \oplus 290V^{\varnothing,(1,1)} \oplus 5V^{\varnothing,(3)} \oplus 8V^{\varnothing,(2,1)} \oplus 5V^{\varnothing,(1,1,1)} \oplus$ $1394V^{(1),\varnothing} \oplus 1116V^{(1),(1)} \oplus 51V^{(1),(2)} \oplus 51V^{(1),(1,1)} \oplus 328V^{(1,1),\varnothing} \oplus 99V^{(1,1),(1)} \oplus 9V^{(1,1,1),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 728V^{\varnothing,(1)} \oplus 363V^{\varnothing,(2)} \oplus 363V^{\varnothing,(1,1)} \oplus 76V^{\varnothing,(3)} \oplus 190V^{\varnothing,(2,1)} \oplus$ $76V^{\varnothing,(1,1,1)} \oplus 4V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 1264V^{(1),\varnothing} \oplus 1718V^{(1),(1)} \oplus$ $424V^{(1),(2)} \oplus 424V^{(1),(1,1)} \oplus 12V^{(1),(3)} \oplus 16V^{(1),(2,1)} \oplus 12V^{(1),(1,1,1)} \oplus 474V^{(1,1),\varnothing} \oplus$ $424V^{(1,1),(1)} \oplus 51V^{(1,1),(2)} \oplus 51V^{(1,1),(1,1)} \oplus 136V^{(1,1,1),\varnothing} \oplus 27V^{(1,1,1),(1)} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 164V^{\varnothing,(2)} \oplus 164V^{\varnothing,(1,1)} \oplus 53V^{\varnothing,(3)} \oplus 153V^{\varnothing,(2,1)} \oplus$ $53V^{\varnothing,(1,1,1)} \oplus 54V^{\varnothing,(3,1)} \oplus 54V^{\varnothing,(2,2)} \oplus 54V^{\varnothing,(2,1,1)} \oplus 2V^{\varnothing,(3,2)} \oplus 2V^{\varnothing,(3,1,1)} \oplus 2V^{\varnothing,(2,2,1)} \oplus$ $760V^{(1),\varnothing} \oplus 1316V^{(1),(1)} \oplus 594V^{(1),(2)} \oplus 594V^{(1),(1,1)} \oplus 140V^{(1),(3)} \oplus 188V^{(1),(2,1)} \oplus$ $140V^{(1),(1,1,1)} \oplus 5V^{(1),(3,1)} \oplus 5V^{(1),(2,2)} \oplus 5V^{(1),(2,1,1)} \oplus 336V^{(1,1),\varnothing} \oplus 594V^{(1,1),(1)} \oplus$ $174V^{(1,1),(2)} \oplus 174V^{(1,1),(1,1)} \oplus 12V^{(1,1),(3)} \oplus 16V^{(1,1),(2,1)} \oplus 12V^{(1,1),(1,1,1)} \oplus 146V^{(1,1,1),\varnothing} \oplus$ $168V^{(1,1,1),(1)} \oplus 27V^{(1,1,1),(2)} \oplus 27V^{(1,1,1),(1,1)} \oplus 58V^{(1,1,1,1),\varnothing} \oplus 9V^{(1,1,1,1),(1)} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(3)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(1,1,1)} \oplus V^{\varnothing,(3,1)} \oplus V^{\varnothing,(2,2)} \oplus$ $V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(3,2)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,2,1)} \oplus V^{\varnothing,(3,2,1)} \oplus 256V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus$ $368V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 168V^{(1),(3)} \oplus 204V^{(1),(2,1)} \oplus 168V^{(1),(1,1,1)} \oplus 72V^{(1),(3,1)} \oplus$ $72V^{(1),(2,2)} \oplus 72V^{(1),(2,1,1)} \oplus 2V^{(1),(3,2)} \oplus 2V^{(1),(3,1,1)} \oplus 2V^{(1),(2,2,1)} \oplus 128V^{(1,1),\varnothing} \oplus$ $368V^{(1,1),(1)} \oplus 210V^{(1,1),(2)} \oplus 210V^{(1,1),(1,1)} \oplus 56V^{(1,1),(3)} \oplus 76V^{(1,1),(2,1)} \oplus 56V^{(1,1),(1,1,1)} \oplus$ $5V^{(1,1),(3,1)} \oplus 5V^{(1,1),(2,2)} \oplus 5V^{(1,1),(2,1,1)} \oplus 64V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 68V^{(1,1,1),(2)} \oplus$ $68V^{(1,1,1),(1,1)} \oplus 12V^{(1,1,1),(3)} \oplus 16V^{(1,1,1),(2,1)} \oplus 12V^{(1,1,1),(1,1,1)} \oplus 32V^{(1,1,1,1),\varnothing} \oplus$ $72V^{(1,1,1,1),(1)} \oplus 9V^{(1,1,1,1),(2)} \oplus 9V^{(1,1,1,1),(1,1)} \oplus 16V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus$ $80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 26V^{(1),(3,2)} \oplus 26V^{(1),(3,1,1)} \oplus$ $26V^{(1),(2,2,1)} \oplus V^{(1),(3,2,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 60V^{(1,1),(3)} \oplus$ $72V^{(1,1),(2,1)} \oplus 60V^{(1,1),(1,1,1)} \oplus 28V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,2)} \oplus 28V^{(1,1),(2,1,1)} \oplus 2V^{(1,1),(3,2)} \oplus$ $2V^{(1,1),(3,1,1)} \oplus 2V^{(1,1),(2,2,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 24V^{(1,1,1),(3)} \oplus$ $34V^{(1,1,1),(2,1)} \oplus 24V^{(1,1,1),(1,1,1)} \oplus 5V^{(1,1,1),(3,1)} \oplus 5V^{(1,1,1),(2,2)} \oplus 5V^{(1,1,1),(2,1,1)} \oplus$ $50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 6V^{(1,1,1,1),(3)} \oplus 10V^{(1,1,1,1),(2,1)} \oplus$ $6V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 3V^{(1,1,1,1,1),(2)} \oplus 3V^{(1,1,1,1,1),(1,1)} \oplus V^{(1,1,1,1,1,1),(1)}$
$k = 4: \quad 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus$ $18V^{(1,1),(3,1)} \oplus 18V^{(1,1),(2,2)} \oplus 18V^{(1,1),(2,1,1)} \oplus 10V^{(1,1),(3,2)} \oplus 10V^{(1,1),(3,1,1)} \oplus$ $10V^{(1,1),(2,2,1)} \oplus V^{(1,1),(3,2,1)} \oplus 24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 20V^{(1,1,1),(3)} \oplus$ $24V^{(1,1,1),(2,1)} \oplus 20V^{(1,1,1),(1,1,1)} \oplus 12V^{(1,1,1),(3,1)} \oplus 12V^{(1,1,1),(2,2)} \oplus 12V^{(1,1,1),(2,1,1)} \oplus$ $2V^{(1,1,1),(3,2)} \oplus 2V^{(1,1,1),(3,1,1)} \oplus 2V^{(1,1,1),(2,2,1)} \oplus 18V^{(1,1,1,1),(2)} \oplus 18V^{(1,1,1,1),(1,1)} \oplus$ $10V^{(1,1,1,1),(3)} \oplus 14V^{(1,1,1,1),(2,1)} \oplus 10V^{(1,1,1,1),(1,1,1)} \oplus 5V^{(1,1,1,1),(3,1)} \oplus 5V^{(1,1,1,1),(2,2)} \oplus$ $5V^{(1,1,1,1),(2,1,1)} \oplus 10V^{(1,1,1,1,1),(2)} \oplus 10V^{(1,1,1,1,1),(1,1)} \oplus 2V^{(1,1,1,1,1),(3)} \oplus$ $4V^{(1,1,1,1,1),(2,1)} \oplus 2V^{(1,1,1,1,1),(1,1,1)} \oplus V^{(1,1,1,1,1,1),(2)} \oplus V^{(1,1,1,1,1,1),(1,1)}$
$k = 3: \quad 6V^{(1,1,1),(3)} \oplus 6V^{(1,1,1),(2,1)} \oplus 6V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(3,1)} \oplus 6V^{(1,1,1),(2,2)} \oplus$ $6V^{(1,1,1),(2,1,1)} \oplus 4V^{(1,1,1),(3,2)} \oplus 4V^{(1,1,1),(3,1,1)} \oplus 4V^{(1,1,1),(2,2,1)} \oplus V^{(1,1,1),(3,2,1)} \oplus$ $6V^{(1,1,1,1),(3)} \oplus 6V^{(1,1,1,1),(2,1)} \oplus 6V^{(1,1,1,1),(1,1,1)} \oplus 6V^{(1,1,1,1),(3,1)} \oplus 6V^{(1,1,1,1),(2,2)} \oplus$ $6V^{(1,1,1,1),(2,1,1)} \oplus 2V^{(1,1,1,1),(3,2)} \oplus 2V^{(1,1,1,1),(3,1,1)} \oplus 2V^{(1,1,1,1),(2,2,1)} \oplus 4V^{(1,1,1,1,1),(3)} \oplus$ $4V^{(1,1,1,1,1),(2,1)} \oplus 4V^{(1,1,1,1,1),(1,1,1)} \oplus 3V^{(1,1,1,1,1),(3,1)} \oplus 3V^{(1,1,1,1,1),(2,2)} \oplus$

Table 117: Table for $\lambda = (1,1,1,1,1,1)$, $\mu = (3,1,1,1)$:

$k = 12: \quad 4V^{\varnothing,\varnothing}$
$k = 11: \quad 806V^{\varnothing,\varnothing} \oplus 12V^{\varnothing,(1)} \oplus 80V^{(1),\varnothing}$
$k = 10:$ $1442V^{\varnothing,\varnothing} \oplus 694V^{\varnothing,(1)} \oplus 8V^{\varnothing,(2)} \oplus 9V^{\varnothing,(1,1)} \oplus 686V^{(1),\varnothing} \oplus 195V^{(1),(1)} \oplus 28V^{(1,1),\varnothing}$
$k = 9:$ $1200V^{\varnothing,\varnothing} \oplus 1105V^{\varnothing,(1)} \oplus 266V^{\varnothing,(2)} \oplus 286V^{\varnothing,(1,1)} \oplus 4V^{\varnothing,(3)} \oplus 6V^{\varnothing,(2,1)} \oplus 6V^{\varnothing,(1,1,1)} \oplus$ $1094V^{(1),\varnothing} \oplus 1092V^{(1),(1)} \oplus 43V^{(1),(2)} \oplus 45V^{(1),(1,1)} \oplus 268V^{(1,1),\varnothing} \oplus 75V^{(1,1),(1)} \oplus 9V^{(1,1,1),\varnothing}$
$k = 8: \quad 634V^{\varnothing,\varnothing} \oplus 728V^{\varnothing,(1)} \oplus 345V^{\varnothing,(2)} \oplus 363V^{\varnothing,(1,1)} \oplus 66V^{\varnothing,(3)} \oplus 128V^{\varnothing,(2,1)} \oplus$ $128V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(3,1)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 928V^{(1),\varnothing} \oplus 1718V^{(1),(1)} \oplus$ $396V^{(1),(2)} \oplus 412V^{(1),(1,1)} \oplus 10V^{(1),(3)} \oplus 13V^{(1),(2,1)} \oplus 13V^{(1),(1,1,1)} \oplus 366V^{(1,1),\varnothing} \oplus$ $424V^{(1,1),(1)} \oplus 43V^{(1,1),(2)} \oplus 45V^{(1,1),(1,1)} \oplus 112V^{(1,1,1),\varnothing} \oplus 27V^{(1,1,1),(1)} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 164V^{\varnothing,(2)} \oplus 164V^{\varnothing,(1,1)} \oplus 53V^{\varnothing,(3)} \oplus 103V^{\varnothing,(2,1)} \oplus$ $103V^{\varnothing,(1,1,1)} \oplus 28V^{\varnothing,(3,1)} \oplus 54V^{\varnothing,(2,1,1)} \oplus 28V^{\varnothing,(1,1,1,1)} \oplus 2V^{\varnothing,(3,1,1)} \oplus 2V^{\varnothing,(2,1,1,1)} \oplus$ $470V^{(1),\varnothing} \oplus 1316V^{(1),(1)} \oplus 582V^{(1),(2)} \oplus 594V^{(1),(1,1)} \oplus 132V^{(1),(3)} \oplus 160V^{(1),(2,1)} \oplus$ $160V^{(1),(1,1,1)} \oplus 4V^{(1),(3,1)} \oplus 5V^{(1),(2,1,1)} \oplus 4V^{(1),(1,1,1,1)} \oplus 240V^{(1,1),\varnothing} \oplus 594V^{(1,1),(1)} \oplus$ $160V^{(1,1),(2)} \oplus 168V^{(1,1),(1,1)} \oplus 10V^{(1,1),(3)} \oplus 13V^{(1,1),(2,1)} \oplus 13V^{(1,1),(1,1,1)} \oplus 110V^{(1,1,1),\varnothing} \oplus$ $168V^{(1,1,1),(1)} \oplus 19V^{(1,1,1),(2)} \oplus 21V^{(1,1,1),(1,1)} \oplus 46V^{(1,1,1,1),\varnothing} \oplus 9V^{(1,1,1,1),(1)} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(3)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(1,1,1)} \oplus V^{\varnothing,(3,1)} \oplus$ $V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(3,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus V^{\varnothing,(3,1,1,1)} \oplus 100V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus$ $368V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 168V^{(1),(3)} \oplus 186V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 62V^{(1),(3,1)} \oplus$ $72V^{(1),(2,1,1)} \oplus 62V^{(1),(1,1,1,1)} \oplus 2V^{(1),(3,1,1)} \oplus 2V^{(1),(2,1,1,1)} \oplus 70V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus$ $206V^{(1,1),(2)} \oplus 210V^{(1,1),(1,1)} \oplus 52V^{(1,1),(3)} \oplus 64V^{(1,1),(2,1)} \oplus 64V^{(1,1),(1,1,1)} \oplus 4V^{(1,1),(3,1)} \oplus$ $5V^{(1,1),(2,1,1)} \oplus 4V^{(1,1),(1,1,1,1)} \oplus 40V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 64V^{(1,1,1),(2)} \oplus$ $68V^{(1,1,1),(1,1)} \oplus 10V^{(1,1,1),(3)} \oplus 13V^{(1,1,1),(2,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus 20V^{(1,1,1,1),\varnothing} \oplus$ $72V^{(1,1,1,1),(1)} \oplus 7V^{(1,1,1,1),(2)} \oplus 9V^{(1,1,1,1),(1,1)} \oplus 10V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(3)} \oplus 80V^{(1),(2,1)} \oplus$ $80V^{(1),(1,1,1)} \oplus 50V^{(1),(3,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(3,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus$ $V^{(1),(3,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 108V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 60V^{(1,1),(3)} \oplus 66V^{(1,1),(2,1)} \oplus$ $66V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(3,1)} \oplus 28V^{(1,1),(2,1,1)} \oplus 24V^{(1,1),(1,1,1,1)} \oplus 2V^{(1,1),(3,1,1)} \oplus$ $2V^{(1,1),(2,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 66V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(3)} \oplus$ $28V^{(1,1,1),(2,1)} \oplus 28V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(3,1)} \oplus 5V^{(1,1,1),(2,1,1)} \oplus 4V^{(1,1,1),(1,1,1,1)} \oplus$ $50V^{(1,1,1,1),(1)} \oplus 28V^{(1,1,1,1),(2)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 4V^{(1,1,1,1),(3)} \oplus 7V^{(1,1,1,1),(2,1)} \oplus$ $7V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 3V^{(1,1,1,1,1),(2)} \oplus 3V^{(1,1,1,1,1),(1,1)} \oplus V^{(1,1,1,1,1,1),(1)}$
$k = 4:$ $24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(3)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(3,1)} \oplus$ $18V^{(1,1),(2,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(3,1,1)} \oplus 10V^{(1,1),(2,1,1,1)} \oplus V^{(1,1),(3,1,1,1)} \oplus$ $24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 20V^{(1,1,1),(3)} \oplus 22V^{(1,1,1),(2,1)} \oplus 22V^{(1,1,1),(1,1,1)} \oplus$ $10V^{(1,1,1),(3,1)} \oplus 12V^{(1,1,1),(2,1,1)} \oplus 10V^{(1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1),(3,1,1)} \oplus 2V^{(1,1,1),(2,1,1,1)} \oplus$ $18V^{(1,1,1,1),(2)} \oplus 18V^{(1,1,1,1),(1,1)} \oplus 10V^{(1,1,1,1),(3)} \oplus 12V^{(1,1,1,1),(2,1)} \oplus 12V^{(1,1,1,1),(1,1,1)} \oplus$ $4V^{(1,1,1,1),(3,1)} \oplus 5V^{(1,1,1,1),(2,1,1)} \oplus 4V^{(1,1,1,1),(1,1,1,1)} \oplus 10V^{(1,1,1,1,1),(2)} \oplus 10V^{(1,1,1,1,1),(1,1)} \oplus$ $2V^{(1,1,1,1,1),(3)} \oplus 3V^{(1,1,1,1,1),(2,1)} \oplus 3V^{(1,1,1,1,1),(1,1,1)} \oplus V^{(1,1,1,1,1,1),(2)} \oplus V^{(1,1,1,1,1,1),(1,1)}$
$k = 3: \quad 6V^{(1,1,1),(3)} \oplus 6V^{(1,1,1),(2,1)} \oplus 6V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(3,1)} \oplus 6V^{(1,1,1),(2,1,1)} \oplus$ $6V^{(1,1,1),(1,1,1,1)} \oplus 4V^{(1,1,1),(3,1,1)} \oplus 4V^{(1,1,1),(2,1,1,1)} \oplus V^{(1,1,1),(3,1,1,1)} \oplus 6V^{(1,1,1,1),(3)} \oplus$ $6V^{(1,1,1,1),(2,1)} \oplus 6V^{(1,1,1,1),(1,1,1)} \oplus 5V^{(1,1,1,1),(3,1)} \oplus 6V^{(1,1,1,1),(2,1,1)} \oplus 5V^{(1,1,1,1),(1,1,1,1)} \oplus$ $2V^{(1,1,1,1),(3,1,1)} \oplus 2V^{(1,1,1,1),(2,1,1,1)} \oplus 4V^{(1,1,1,1,1),(3)} \oplus 4V^{(1,1,1,1,1),(2,1)} \oplus$ $4V^{(1,1,1,1,1),(1,1,1)} \oplus 2V^{(1,1,1,1,1),(3,1)} \oplus 3V^{(1,1,1,1,1),(2,1,1)} \oplus 2V^{(1,1,1,1,1),(1,1,1,1)} \oplus$

Table 118: Table for $\lambda = (1,1,1,1,1,1)$, $\mu = (2,2,2)$:

$k = 12: \quad 3V^{\varnothing,\varnothing}$
$k = 11: \quad 797V^{\varnothing,\varnothing} \oplus 9V^{\varnothing,(1)} \oplus 46V^{(1),\varnothing}$
$k = 10:$ $1435V^{\varnothing,\varnothing} \oplus 644V^{\varnothing,(1)} \oplus 6V^{\varnothing,(2)} \oplus 7V^{\varnothing,(1,1)} \oplus 536V^{(1),\varnothing} \oplus 163V^{(1),(1)} \oplus 21V^{(1,1),\varnothing}$
$k = 9: \quad 1195V^{\varnothing,\varnothing} \oplus 1045V^{\varnothing,(1)} \oplus 158V^{\varnothing,(2)} \oplus 262V^{\varnothing,(1,1)} \oplus 5V^{\varnothing,(2,1)} \oplus 4V^{\varnothing,(1,1,1)} \oplus$ $838V^{(1),\varnothing} \oplus 1012V^{(1),(1)} \oplus 36V^{(1),(2)} \oplus 37V^{(1),(1,1)} \oplus 214V^{(1,1),\varnothing} \oplus 43V^{(1,1),(1)} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8: \quad 624V^{\varnothing,\varnothing} \oplus 704V^{\varnothing,(1)} \oplus 195V^{\varnothing,(2)} \oplus 345V^{\varnothing,(1,1)} \oplus 118V^{\varnothing,(2,1)} \oplus$ $66V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 568V^{(1),\varnothing} \oplus 1670V^{(1),(1)} \oplus 344V^{(1),(2)} \oplus$ $384V^{(1),(1,1)} \oplus 11V^{(1),(2,1)} \oplus 10V^{(1),(1,1,1)} \oplus 276V^{(1,1),\varnothing} \oplus 396V^{(1,1),(1)} \oplus 36V^{(1,1),(2)} \oplus$ $37V^{(1,1),(1,1)} \oplus 92V^{(1,1,1),\varnothing} \oplus 19V^{(1,1,1),(1)} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 84V^{\varnothing,(2)} \oplus 164V^{\varnothing,(1,1)} \oplus 103V^{\varnothing,(2,1)} \oplus 53V^{\varnothing,(1,1,1)} \oplus$ $28V^{\varnothing,(2,2)} \oplus 28V^{\varnothing,(2,1,1)} \oplus 2V^{\varnothing,(2,2,1)} \oplus 245V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 528V^{(1),(2)} \oplus$ $582V^{(1),(1,1)} \oplus 152V^{(1),(2,1)} \oplus 132V^{(1),(1,1,1)} \oplus 4V^{(1),(2,2)} \oplus 4V^{(1),(2,1,1)} \oplus 140V^{(1,1),\varnothing} \oplus$ $582V^{(1,1),(1)} \oplus 138V^{(1,1),(2)} \oplus 154V^{(1,1),(1,1)} \oplus 11V^{(1,1),(2,1)} \oplus 10V^{(1,1),(1,1,1)} \oplus 80V^{(1,1,1),\varnothing} \oplus$ $160V^{(1,1,1),(1)} \oplus 12V^{(1,1,1),(2)} \oplus 13V^{(1,1,1),(1,1)} \oplus 36V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(1,1,1)} \oplus V^{\varnothing,(2,2)} \oplus V^{\varnothing,(2,1,1)} \oplus$ $V^{\varnothing,(2,2,1)} \oplus V^{\varnothing,(2,2,2)} \oplus 25V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 344V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus$ $186V^{(1),(2,1)} \oplus 168V^{(1),(1,1,1)} \oplus 62V^{(1),(2,2)} \oplus 62V^{(1),(2,1,1)} \oplus 2V^{(1),(2,2,1)} \oplus 25V^{(1,1),\varnothing} \oplus$ $368V^{(1,1),(1)} \oplus 188V^{(1,1),(2)} \oplus 206V^{(1,1),(1,1)} \oplus 60V^{(1,1),(2,1)} \oplus 52V^{(1,1),(1,1,1)} \oplus$ $4V^{(1,1),(2,2)} \oplus 4V^{(1,1),(2,1,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 56V^{(1,1,1),(2)} \oplus$ $64V^{(1,1,1),(1,1)} \oplus 11V^{(1,1,1),(2,1)} \oplus 10V^{(1,1,1),(1,1,1)} \oplus 10V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus$ $6V^{(1,1,1,1),(2)} \oplus 7V^{(1,1,1,1),(1,1)} \oplus 5V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5:$ $120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,2)} \oplus$ $50V^{(1),(2,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus V^{(1),(2,2,2)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus$ $66V^{(1,1),(2,1)} \oplus 60V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(2,2)} \oplus 24V^{(1,1),(2,1,1)} \oplus 2V^{(1,1),(2,2,1)} \oplus 80V^{(1,1,1),(1)} \oplus$ $60V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 26V^{(1,1,1),(2,1)} \oplus 22V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(2,2)} \oplus$ $4V^{(1,1,1),(2,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 24V^{(1,1,1,1),(2)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 5V^{(1,1,1,1),(2,1)} \oplus$ $4V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 2V^{(1,1,1,1,1),(2)} \oplus 3V^{(1,1,1,1,1),(1,1)} \oplus V^{(1,1,1,1,1,1),(1)}$
$k = 4: \quad 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,2)} \oplus$ $18V^{(1,1),(2,1,1)} \oplus 10V^{(1,1),(2,2,1)} \oplus V^{(1,1),(2,2,2)} \oplus 24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus$ $22V^{(1,1,1),(2,1)} \oplus 20V^{(1,1,1),(1,1,1)} \oplus 10V^{(1,1,1),(2,2)} \oplus 10V^{(1,1,1),(2,1,1)} \oplus 2V^{(1,1,1),(2,2,1)} \oplus$ $18V^{(1,1,1,1),(2)} \oplus 18V^{(1,1,1,1),(1,1)} \oplus 12V^{(1,1,1,1),(2,1)} \oplus 10V^{(1,1,1,1),(1,1,1)} \oplus 4V^{(1,1,1,1),(2,2)} \oplus$ $4V^{(1,1,1,1),(2,1,1)} \oplus 10V^{(1,1,1,1,1),(2)} \oplus 10V^{(1,1,1,1,1),(1,1)} \oplus 3V^{(1,1,1,1,1),(2,1)} \oplus$ $2V^{(1,1,1,1,1),(1,1,1)} \oplus V^{(1,1,1,1,1,1),(2)} \oplus V^{(1,1,1,1,1,1),(1,1)}$
$k = 3: \quad 6V^{(1,1,1),(2,1)} \oplus 6V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(2,2)} \oplus 6V^{(1,1,1),(2,1,1)} \oplus$ $4V^{(1,1,1),(2,2,1)} \oplus V^{(1,1,1),(2,2,2)} \oplus 6V^{(1,1,1,1),(2,1)} \oplus 6V^{(1,1,1,1),(1,1,1)} \oplus 5V^{(1,1,1,1),(2,2)} \oplus$ $5V^{(1,1,1,1),(2,1,1)} \oplus 2V^{(1,1,1,1),(2,2,1)} \oplus 4V^{(1,1,1,1,1),(2,1)} \oplus 4V^{(1,1,1,1,1),(1,1,1)} \oplus$ $2V^{(1,1,1,1,1),(2,2)} \oplus 2V^{(1,1,1,1,1),(2,1,1)} \oplus V^{(1,1,1,1,1,1),(2,1)} \oplus V^{(1,1,1,1,1,1),(1,1,1)}$
$k = 2: \quad 2V^{(1,1,1,1),(2,2)} \oplus 2V^{(1,1,1,1),(2,1,1)} \oplus 2V^{(1,1,1,1),(2,2,1)} \oplus V^{(1,1,1,1),(2,2,2)} \oplus$ $2V^{(1,1,1,1,1),(2,2)} \oplus 2V^{(1,1,1,1,1),(2,1,1)} \oplus 2V^{(1,1,1,1,1),(2,2,1)} \oplus V^{(1,1,1,1,1,1),(2,2)} \oplus V^{(1,1,1,1,1,1),(2,1,1)}$
$k = 1: \quad V^{(1,1,1,1,1),(2,2,1)} \oplus V^{(1,1,1,1,1),(2,2,2)} \oplus V^{(1,1,1,1,1,1),(2,2,1)}$
$k = 0: \quad V^{(1,1,1,1,1,1),(2,2,2)}$

Table 119: Table for $\lambda = (1,1,1,1,1,1)$, $\mu = (2,2,1,1)$:

$k = 12: \quad 4V^{\varnothing,\varnothing}$
$k = 11: \quad 805V^{\varnothing,\varnothing} \oplus 11V^{\varnothing,(1)} \oplus 63V^{(1),\varnothing}$
$k = 10:$ $1441V^{\varnothing,\varnothing} \oplus 654V^{\varnothing,(1)} \oplus 7V^{\varnothing,(2)} \oplus 9V^{\varnothing,(1,1)} \oplus 642V^{(1),\varnothing} \oplus 193V^{(1),(1)} \oplus 22V^{(1,1),\varnothing}$
$k = 9: \quad 1199V^{\varnothing,\varnothing} \oplus 1051V^{\varnothing,(1)} \oplus 162V^{\varnothing,(2)} \oplus 286V^{\varnothing,(1,1)} \oplus 6V^{\varnothing,(2,1)} \oplus 6V^{\varnothing,(1,1,1)} \oplus$ $1038V^{(1),\varnothing} \oplus 1060V^{(1),(1)} \oplus 42V^{(1),(2)} \oplus 45V^{(1),(1,1)} \oplus 254V^{(1,1),\varnothing} \oplus 73V^{(1,1),(1)} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8: \quad 633V^{\varnothing,\varnothing} \oplus 704V^{\varnothing,(1)} \oplus 195V^{\varnothing,(2)} \oplus 363V^{\varnothing,(1,1)} \oplus 128V^{\varnothing,(2,1)} \oplus$ $128V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,2)} \oplus 4V^{\varnothing,(2,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 728V^{(1),\varnothing} \oplus 1682V^{(1),(1)} \oplus$ $356V^{(1),(2)} \oplus 412V^{(1),(1,1)} \oplus 13V^{(1),(2,1)} \oplus 13V^{(1),(1,1,1)} \oplus 348V^{(1,1),\varnothing} \oplus 408V^{(1,1),(1)} \oplus$ $42V^{(1,1),(2)} \oplus 45V^{(1,1),(1,1)} \oplus 108V^{(1,1,1),\varnothing} \oplus 25V^{(1,1,1),(1)} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 120V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 84V^{\varnothing,(2)} \oplus 164V^{\varnothing,(1,1)} \oplus 103V^{\varnothing,(2,1)} \oplus$ $103V^{\varnothing,(1,1,1)} \oplus 28V^{\varnothing,(2,2)} \oplus 54V^{\varnothing,(2,1,1)} \oplus 28V^{\varnothing,(1,1,1,1)} \oplus 2V^{\varnothing,(2,2,1)} \oplus 2V^{\varnothing,(2,1,1,1)} \oplus$ $390V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 528V^{(1),(2)} \oplus 594V^{(1),(1,1)} \oplus 160V^{(1),(2,1)} \oplus 160V^{(1),(1,1,1)} \oplus$ $4V^{(1),(2,2)} \oplus 5V^{(1),(2,1,1)} \oplus 4V^{(1),(1,1,1,1)} \oplus 188V^{(1,1),\varnothing} \oplus 582V^{(1,1),(1)} \oplus 144V^{(1,1),(2)} \oplus$ $168V^{(1,1),(1,1)} \oplus 13V^{(1,1),(2,1)} \oplus 13V^{(1,1),(1,1,1)} \oplus 104V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus$ $18V^{(1,1,1),(2)} \oplus 21V^{(1,1,1),(1,1)} \oplus 44V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(1,1,1)} \oplus V^{\varnothing,(2,2)} \oplus V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(1,1,1,1)} \oplus$ $V^{\varnothing,(2,2,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus V^{\varnothing,(2,2,1,1)} \oplus 81V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 344V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus$ $186V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 62V^{(1),(2,2)} \oplus 72V^{(1),(2,1,1)} \oplus 62V^{(1),(1,1,1,1)} \oplus 2V^{(1),(2,2,1)} \oplus$ $2V^{(1),(2,1,1,1)} \oplus 54V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 188V^{(1,1),(2)} \oplus 210V^{(1,1),(1,1)} \oplus 64V^{(1,1),(2,1)} \oplus$ $64V^{(1,1),(1,1,1)} \oplus 4V^{(1,1),(2,2)} \oplus 5V^{(1,1),(2,1,1)} \oplus 4V^{(1,1),(1,1,1,1)} \oplus 27V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus$ $56V^{(1,1,1),(2)} \oplus 68V^{(1,1,1),(1,1)} \oplus 13V^{(1,1,1),(2,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus 18V^{(1,1,1,1),\varnothing} \oplus$ $72V^{(1,1,1,1),(1)} \oplus 6V^{(1,1,1,1),(2)} \oplus 9V^{(1,1,1,1),(1,1)} \oplus 9V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus$ $50V^{(1),(2,2)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,2,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus$ $V^{(1),(2,2,1,1)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 66V^{(1,1),(2,1)} \oplus$ $66V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(2,2)} \oplus 28V^{(1,1),(2,1,1)} \oplus 24V^{(1,1),(1,1,1,1)} \oplus 2V^{(1,1),(2,2,1)} \oplus$ $2V^{(1,1),(2,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1),(2,1)} \oplus$ $28V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(2,2)} \oplus 5V^{(1,1,1),(2,1,1)} \oplus 4V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus$ $24V^{(1,1,1,1),(2)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 7V^{(1,1,1,1),(2,1)} \oplus 7V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus$ $2V^{(1,1,1,1,1),(2)} \oplus 3V^{(1,1,1,1,1),(1,1)} \oplus V^{(1,1,1,1,1,1),(1)}$
$k = 4: \quad 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,2)} \oplus$ $18V^{(1,1),(2,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(2,2,1)} \oplus 10V^{(1,1),(2,1,1,1)} \oplus V^{(1,1),(2,2,1,1)} \oplus$ $24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(2,1)} \oplus 22V^{(1,1,1),(1,1,1)} \oplus 10V^{(1,1,1),(2,2)} \oplus$ $12V^{(1,1,1),(2,1,1)} \oplus 10V^{(1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1),(2,2,1)} \oplus 2V^{(1,1,1),(2,1,1,1)} \oplus 18V^{(1,1,1,1),(2)} \oplus$ $18V^{(1,1,1,1),(1,1)} \oplus 12V^{(1,1,1,1),(2,1)} \oplus 12V^{(1,1,1,1),(1,1,1)} \oplus 4V^{(1,1,1,1),(2,2)} \oplus$ $5V^{(1,1,1,1),(2,1,1)} \oplus 4V^{(1,1,1,1),(1,1,1,1)} \oplus 10V^{(1,1,1,1,1),(2)} \oplus 10V^{(1,1,1,1,1),(1,1)} \oplus$ $3V^{(1,1,1,1,1),(2,1)} \oplus 3V^{(1,1,1,1,1),(1,1,1)} \oplus V^{(1,1,1,1,1,1),(2)} \oplus V^{(1,1,1,1,1,1),(1,1)}$
$k = 3: \quad 6V^{(1,1,1),(2,1)} \oplus 6V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(2,2)} \oplus 6V^{(1,1,1),(2,1,1)} \oplus$ $6V^{(1,1,1),(1,1,1,1)} \oplus 4V^{(1,1,1),(2,2,1)} \oplus 4V^{(1,1,1),(2,1,1,1)} \oplus V^{(1,1,1),(2,2,1,1)} \oplus 6V^{(1,1,1,1),(2,1)} \oplus$ $6V^{(1,1,1,1),(1,1,1)} \oplus 5V^{(1,1,1,1),(2,2)} \oplus 6V^{(1,1,1,1),(2,1,1)} \oplus 5V^{(1,1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1,1),(2,2,1)} \oplus$ $2V^{(1,1,1,1),(2,1,1,1)} \oplus 4V^{(1,1,1,1,1),(2,1)} \oplus 4V^{(1,1,1,1,1),(1,1,1)} \oplus 2V^{(1,1,1,1,1),(2,2)} \oplus$ $3V^{(1,1,1,1,1),(2,1,1)} \oplus 2V^{(1,1,1,1,1),(1,1,1,1)} \oplus V^{(1,1,1,1,1,1),(2,1)} \oplus V^{(1,1,1,1,1,1),(1,1,1)}$
$k = 2: \quad 2V^{(1,1,1,1),(2,2)} \oplus 2V^{(1,1,1,1),(2,1,1)} \oplus 2V^{(1,1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1,1),(2,2,1)} \oplus$ $2V^{(1,1,1,1),(2,1,1,1)} \oplus V^{(1,1,1,1),(2,2,1,1)} \oplus 2V^{(1,1,1,1,1),(2,2)} \oplus 2V^{(1,1,1,1,1),(2,1,1)} \oplus$

Table 120: Table for $\lambda = (1,1,1,1,1,1)$, $\mu = (2,1,1,1,1)$:

$k = 12: \quad 5V^{\varnothing,\varnothing}$
$k = 11: \quad 802V^{\varnothing,\varnothing} \oplus 10V^{\varnothing,(1)} \oplus 35V^{(1),\varnothing}$
$k = 10:$ $1437V^{\varnothing,\varnothing} \oplus 646V^{\varnothing,(1)} \oplus 5V^{\varnothing,(2)} \oplus 8V^{\varnothing,(1,1)} \oplus 530V^{(1),\varnothing} \oplus 187V^{(1),(1)} \oplus 18V^{(1,1),\varnothing}$
$k = 9: \quad 1195V^{\varnothing,\varnothing} \oplus 1045V^{\varnothing,(1)} \oplus 138V^{\varnothing,(2)} \oplus 266V^{\varnothing,(1,1)} \oplus 4V^{\varnothing,(2,1)} \oplus 6V^{\varnothing,(1,1,1)} \oplus 838V^{(1),\varnothing} \oplus 1036V^{(1),(1)} \oplus 34V^{(1),(2)} \oplus 43V^{(1),(1,1)} \oplus 214V^{(1,1),\varnothing} \oplus 67V^{(1,1),(1)} \oplus 8V^{(1,1,1),\varnothing}$
$k = 8: \quad 629V^{\varnothing,\varnothing} \oplus 704V^{\varnothing,(1)} \oplus 177V^{\varnothing,(2)} \oplus 345V^{\varnothing,(1,1)} \oplus 66V^{\varnothing,(2,1)} \oplus 128V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(2,1,1)} \oplus 4V^{\varnothing,(1,1,1,1)} \oplus 568V^{(1),\varnothing} \oplus 1670V^{(1),(1)} \oplus 328V^{(1),(2)} \oplus 396V^{(1),(1,1)} \oplus 10V^{(1),(2,1)} \oplus 13V^{(1),(1,1,1)} \oplus 276V^{(1,1),\varnothing} \oplus 396V^{(1,1),(1)} \oplus 34V^{(1,1),(2)} \oplus 43V^{(1,1),(1,1)} \oplus 92V^{(1,1,1),\varnothing} \oplus 19V^{(1,1,1),(1)} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7:$ $125V^{\varnothing,\varnothing} \oplus 245V^{\varnothing,(1)} \oplus 84V^{\varnothing,(2)} \oplus 164V^{\varnothing,(1,1)} \oplus 53V^{\varnothing,(2,1)} \oplus 103V^{\varnothing,(1,1,1)} \oplus 28V^{\varnothing,(2,1,1)} \oplus 54V^{\varnothing,(1,1,1,1)} \oplus 2V^{\varnothing,(2,1,1,1)} \oplus 2V^{\varnothing,(1,1,1,1,1)} \oplus 220V^{(1),\varnothing} \oplus 1304V^{(1),(1)} \oplus 516V^{(1),(2)} \oplus 582V^{(1),(1,1)} \oplus 132V^{(1),(2,1)} \oplus 160V^{(1),(1,1,1)} \oplus 4V^{(1),(2,1,1)} \oplus 5V^{(1),(1,1,1,1)} \oplus 140V^{(1,1),\varnothing} \oplus 582V^{(1,1),(1)} \oplus 130V^{(1,1),(2)} \oplus 160V^{(1,1),(1,1)} \oplus 10V^{(1,1),(2,1)} \oplus 13V^{(1,1),(1,1,1)} \oplus 80V^{(1,1,1),\varnothing} \oplus 160V^{(1,1,1),(1)} \oplus 10V^{(1,1,1),(2)} \oplus 19V^{(1,1,1),(1,1)} \oplus 36V^{(1,1,1,1),\varnothing} \oplus 7V^{(1,1,1,1),(1)} \oplus V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad V^{\varnothing,(1)} \oplus V^{\varnothing,(2)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(2,1)} \oplus V^{\varnothing,(1,1,1)} \oplus V^{\varnothing,(2,1,1)} \oplus V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(2,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus V^{\varnothing,(2,1,1,1,1)} \oplus 25V^{(1),\varnothing} \oplus 648V^{(1),(1)} \oplus 344V^{(1),(2)} \oplus 368V^{(1),(1,1)} \oplus 168V^{(1),(2,1)} \oplus 186V^{(1),(1,1,1)} \oplus 62V^{(1),(2,1,1)} \oplus 72V^{(1),(1,1,1,1)} \oplus 2V^{(1),(2,1,1,1)} \oplus 2V^{(1),(1,1,1,1,1)} \oplus 20V^{(1,1),\varnothing} \oplus 368V^{(1,1),(1)} \oplus 184V^{(1,1),(2)} \oplus 206V^{(1,1),(1,1)} \oplus 52V^{(1,1),(2,1)} \oplus 64V^{(1,1),(1,1,1)} \oplus 4V^{(1,1),(2,1,1)} \oplus 5V^{(1,1),(1,1,1,1)} \oplus 15V^{(1,1,1),\varnothing} \oplus 186V^{(1,1,1),(1)} \oplus 52V^{(1,1,1),(2)} \oplus 64V^{(1,1,1),(1,1)} \oplus 10V^{(1,1,1),(2,1)} \oplus 13V^{(1,1,1),(1,1,1)} \oplus 10V^{(1,1,1,1),\varnothing} \oplus 72V^{(1,1,1,1),(1)} \oplus 4V^{(1,1,1,1),(2)} \oplus 7V^{(1,1,1,1),(1,1)} \oplus 5V^{(1,1,1,1,1),\varnothing} \oplus 3V^{(1,1,1,1,1),(1)}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(2)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(2,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(2,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(2,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus V^{(1),(2,1,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(2)} \oplus 108V^{(1,1),(1,1)} \oplus 60V^{(1,1),(2,1)} \oplus 66V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(2,1,1)} \oplus 28V^{(1,1),(1,1,1,1)} \oplus 2V^{(1,1),(2,1,1,1)} \oplus 2V^{(1,1),(1,1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(2)} \oplus 66V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(2,1)} \oplus 28V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(2,1,1)} \oplus 5V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 24V^{(1,1,1,1),(2)} \oplus 28V^{(1,1,1,1),(1,1)} \oplus 4V^{(1,1,1,1),(2,1)} \oplus 7V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 2V^{(1,1,1,1,1),(2)} \oplus 3V^{(1,1,1,1,1),(1,1)} \oplus V^{(1,1,1,1,1,1),(1)}$
$k = 4: \quad 24V^{(1,1),(2)} \oplus 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(2,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(2,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(2,1,1,1)} \oplus 10V^{(1,1),(1,1,1,1,1)} \oplus V^{(1,1),(2,1,1,1,1)} \oplus 24V^{(1,1,1),(2)} \oplus 24V^{(1,1,1),(1,1)} \oplus 20V^{(1,1,1),(2,1)} \oplus 22V^{(1,1,1),(1,1,1)} \oplus 10V^{(1,1,1),(2,1,1)} \oplus 12V^{(1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1),(2,1,1,1)} \oplus 2V^{(1,1,1),(1,1,1,1,1)} \oplus 18V^{(1,1,1,1),(2)} \oplus 18V^{(1,1,1,1),(1,1)} \oplus 10V^{(1,1,1,1),(2,1)} \oplus 12V^{(1,1,1,1),(1,1,1)} \oplus 4V^{(1,1,1,1),(2,1,1)} \oplus 5V^{(1,1,1,1),(1,1,1,1)} \oplus 10V^{(1,1,1,1,1),(2)} \oplus 10V^{(1,1,1,1,1),(1,1)} \oplus 2V^{(1,1,1,1,1),(2,1)} \oplus 3V^{(1,1,1,1,1),(1,1,1)} \oplus V^{(1,1,1,1,1,1),(2)} \oplus V^{(1,1,1,1,1,1),(1,1)}$
$k = 3: \quad 6V^{(1,1,1),(2,1)} \oplus 6V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(2,1,1)} \oplus 6V^{(1,1,1),(1,1,1,1)} \oplus 4V^{(1,1,1),(2,1,1,1)} \oplus 4V^{(1,1,1),(1,1,1,1,1)} \oplus V^{(1,1,1),(2,1,1,1,1)} \oplus 6V^{(1,1,1,1),(2,1)} \oplus 6V^{(1,1,1,1),(1,1,1)} \oplus 5V^{(1,1,1,1),(2,1,1)} \oplus 6V^{(1,1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1,1),(2,1,1,1)} \oplus 2V^{(1,1,1,1),(1,1,1,1,1)} \oplus 4V^{(1,1,1,1,1),(2,1)} \oplus 4V^{(1,1,1,1,1),(1,1,1)} \oplus 2V^{(1,1,1,1,1),(2,1,1)} \oplus 3V^{(1,1,1,1,1),(1,1,1,1)} \oplus V^{(1,1,1,1,1,1),(2,1)} \oplus V^{(1,1,1,1,1,1),(1,1,1)}$
$k = 2: \quad 2V^{(1,1,1,1),(2,1,1)} \oplus 2V^{(1,1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1,1),(2,1,1,1)} \oplus 2V^{(1,1,1,1),(1,1,1,1,1)} \oplus V^{(1,1,1,1),(2,1,1,1,1)} \oplus 2V^{(1,1,1,1,1),(2,1,1)} \oplus 2V^{(1,1,1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1,1,1),(2,1,1,1)} \oplus 2V^{(1,1,1,1,1),(1,1,1,1,1)} \oplus V^{(1,1,1,1,1,1),(2,1,1)} \oplus V^{(1,1,1,1,1,1),(1,1,1,1)}$
$k = 1: \quad V^{(1,1,1,1),(2,1,1)} \oplus V^{(1,1,1,1),(1,1,1,1)} \oplus V^{(1,1,1,1),(2,1,1,1)}$

Table 121: Table for $\lambda = (1,1,1,1,1,1)$, $\mu = (1,1,1,1,1,1)$:

$k = 12: \quad 7V^{\varnothing,\varnothing}$
$k = 11: \quad 798V^{\varnothing,\varnothing} \oplus 6V^{\varnothing,(1)} \oplus 6V^{(1),\varnothing}$
$k = 10: \quad 1433V^{\varnothing,\varnothing} \oplus 336V^{\varnothing,(1)} \oplus 5V^{\varnothing,(1,1)} \oplus 336V^{(1),\varnothing} \oplus 154V^{(1),(1)} \oplus 5V^{(1,1),\varnothing}$
$k = 9: \quad 1191V^{\varnothing,\varnothing} \oplus 535V^{\varnothing,(1)} \oplus 138V^{\varnothing,(1,1)} \oplus 4V^{\varnothing,(1,1,1)} \oplus 535V^{(1),\varnothing} \oplus 856V^{(1),(1)} \oplus 34V^{(1),(1,1)} \oplus 138V^{(1,1),\varnothing} \oplus 34V^{(1,1),(1)} \oplus 4V^{(1,1,1),\varnothing}$
$k = 8: \quad 625V^{\varnothing,\varnothing} \oplus 360V^{\varnothing,(1)} \oplus 177V^{\varnothing,(1,1)} \oplus 66V^{\varnothing,(1,1,1)} \oplus 3V^{\varnothing,(1,1,1,1)} \oplus 360V^{(1),\varnothing} \oplus 1460V^{(1),(1)} \oplus 328V^{(1),(1,1)} \oplus 10V^{(1),(1,1,1)} \oplus 177V^{(1,1),\varnothing} \oplus 328V^{(1,1),(1)} \oplus 34V^{(1,1),(1,1)} \oplus 66V^{(1,1,1),\varnothing} \oplus 10V^{(1,1,1),(1)} \oplus 3V^{(1,1,1,1),\varnothing}$
$k = 7: \quad 121V^{\varnothing,\varnothing} \oplus 125V^{\varnothing,(1)} \oplus 84V^{\varnothing,(1,1)} \oplus 53V^{\varnothing,(1,1,1)} \oplus 28V^{\varnothing,(1,1,1,1)} \oplus 2V^{\varnothing,(1,1,1,1,1)} \oplus 125V^{(1),\varnothing} \oplus 1196V^{(1),(1)} \oplus 516V^{(1),(1,1)} \oplus 132V^{(1),(1,1,1)} \oplus 4V^{(1),(1,1,1,1)} \oplus 84V^{(1,1),\varnothing} \oplus 516V^{(1,1),(1)} \oplus 130V^{(1,1),(1,1)} \oplus 10V^{(1,1),(1,1,1)} \oplus 53V^{(1,1,1),\varnothing} \oplus 132V^{(1,1,1),(1)} \oplus 10V^{(1,1,1),(1,1)} \oplus 28V^{(1,1,1,1),\varnothing} \oplus 4V^{(1,1,1,1),(1)} \oplus 2V^{(1,1,1,1,1),\varnothing}$
$k = 6: \quad V^{\varnothing,\varnothing} \oplus V^{\varnothing,(1)} \oplus V^{\varnothing,(1,1)} \oplus V^{\varnothing,(1,1,1)} \oplus V^{\varnothing,(1,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1)} \oplus V^{\varnothing,(1,1,1,1,1,1)} \oplus V^{(1),\varnothing} \oplus 624V^{(1),(1)} \oplus 344V^{(1),(1,1)} \oplus 168V^{(1),(1,1,1)} \oplus 62V^{(1),(1,1,1,1)} \oplus 2V^{(1),(1,1,1,1,1)} \oplus V^{(1,1),\varnothing} \oplus 344V^{(1,1),(1)} \oplus 184V^{(1,1),(1,1)} \oplus 52V^{(1,1),(1,1,1)} \oplus 4V^{(1,1),(1,1,1,1)} \oplus V^{(1,1,1),\varnothing} \oplus 168V^{(1,1,1),(1)} \oplus 52V^{(1,1,1),(1,1)} \oplus 10V^{(1,1,1),(1,1,1)} \oplus V^{(1,1,1,1),\varnothing} \oplus 62V^{(1,1,1,1),(1)} \oplus 4V^{(1,1,1,1),(1,1)} \oplus V^{(1,1,1,1,1),\varnothing} \oplus 2V^{(1,1,1,1,1),(1)} \oplus V^{(1,1,1,1,1,1),\varnothing}$
$k = 5: \quad 120V^{(1),(1)} \oplus 120V^{(1),(1,1)} \oplus 80V^{(1),(1,1,1)} \oplus 50V^{(1),(1,1,1,1)} \oplus 26V^{(1),(1,1,1,1,1)} \oplus V^{(1),(1,1,1,1,1,1)} \oplus 120V^{(1,1),(1)} \oplus 102V^{(1,1),(1,1)} \oplus 60V^{(1,1),(1,1,1)} \oplus 24V^{(1,1),(1,1,1,1)} \oplus 2V^{(1,1),(1,1,1,1,1)} \oplus 80V^{(1,1,1),(1)} \oplus 60V^{(1,1,1),(1,1)} \oplus 22V^{(1,1,1),(1,1,1)} \oplus 4V^{(1,1,1),(1,1,1,1)} \oplus 50V^{(1,1,1,1),(1)} \oplus 24V^{(1,1,1,1),(1,1)} \oplus 4V^{(1,1,1,1),(1,1,1)} \oplus 26V^{(1,1,1,1,1),(1)} \oplus 2V^{(1,1,1,1,1),(1,1)} \oplus V^{(1,1,1,1,1,1),(1)}$
$k = 4: \quad 24V^{(1,1),(1,1)} \oplus 24V^{(1,1),(1,1,1)} \oplus 18V^{(1,1),(1,1,1,1)} \oplus 10V^{(1,1),(1,1,1,1,1)} \oplus V^{(1,1),(1,1,1,1,1,1)} \oplus 24V^{(1,1,1),(1,1)} \oplus 20V^{(1,1,1),(1,1,1)} \oplus 10V^{(1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1),(1,1,1,1,1)} \oplus 18V^{(1,1,1,1),(1,1)} \oplus 10V^{(1,1,1,1),(1,1,1)} \oplus 4V^{(1,1,1,1),(1,1,1,1)} \oplus 10V^{(1,1,1,1,1),(1,1)} \oplus 2V^{(1,1,1,1,1),(1,1,1)} \oplus V^{(1,1,1,1,1,1),(1,1)}$
$k = 3: \quad 6V^{(1,1,1),(1,1,1)} \oplus 6V^{(1,1,1),(1,1,1,1)} \oplus 4V^{(1,1,1),(1,1,1,1,1)} \oplus V^{(1,1,1),(1,1,1,1,1,1)} \oplus 6V^{(1,1,1,1),(1,1,1)} \oplus 5V^{(1,1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1,1),(1,1,1,1,1)} \oplus 4V^{(1,1,1,1,1),(1,1,1)} \oplus 2V^{(1,1,1,1,1),(1,1,1,1)} \oplus V^{(1,1,1,1,1,1),(1,1,1)}$
$k = 2: \quad 2V^{(1,1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1,1),(1,1,1,1,1)} \oplus V^{(1,1,1,1),(1,1,1,1,1,1)} \oplus 2V^{(1,1,1,1,1),(1,1,1,1)} \oplus 2V^{(1,1,1,1,1),(1,1,1,1,1)} \oplus V^{(1,1,1,1,1,1),(1,1,1,1)}$
$k = 1: \quad V^{(1,1,1,1,1),(1,1,1,1,1)} \oplus V^{(1,1,1,1,1),(1,1,1,1,1,1)} \oplus V^{(1,1,1,1,1,1),(1,1,1,1,1)}$
$k = 0: \quad V^{(1,1,1,1,1,1),(1,1,1,1,1,1)}$