

## ANNEXE

Matrices de transitions des automates  $\mathcal{A}_{F3}$  et  $\mathcal{A}_3$

Nous présentons dans cette section les matrices de transitions des automates  $\mathcal{A}_{F3}$  et  $\mathcal{A}_3$ .

Matrice  $\mathcal{M}_{F3}$

En se basant sur les états de  $\mathcal{A}_{F3}$  présentés selon l'ordre donné par le tableau ??, nous obtenons la matrice  $\mathcal{M}_{F3}$  dans le tableau ??.

$e_1 = (100, 000, \{\{0\}\})$	$e_2 = (100, 100, \{\{0\}\})$	$e_3 = (010, 000, \{\{0\}\})$
$e_4 = (010, 010, \{\{0\}\})$	$e_5 = (001, 000, \{\{0\}\})$	$e_6 = (001, 001, \{\{0\}\})$
$e_7 = (110, 110, \{\{0\}\})$	$e_8 = (110, 210, \{\{0\}\})$	$e_9 = (110, 120, \{\{0\}\})$
$e_{10} = (110, 220, \{\{0\}\})$	$e_{11} = (101, 000, \{\{0\}, \{1\}\})$	
$e_{12} = (101, 101, \{\{0\}, \{1\}\})$	$e_{13} = (101, 100, \{\{0\}, \{1\}\})$	
$e_{14} = (101, 001, \{\{0\}, \{1\}\})$	$e_{15} = (101, 101, \{\{0, 1\}\})$	
$e_{16} = (011, 011, \{\{0\}\})$	$e_{17} = (011, 021, \{\{0\}\})$	$e_{18} = (011, 012, \{\{0\}\})$
$e_{19} = (011, 022, \{\{0\}\})$	$e_{20} = (111, 121, \{\{0\}\})$	$e_{21} = (111, 221, \{\{0\}\})$
$e_{22} = (111, 122, \{\{0\}\})$	$e_{23} = (111, 222, \{\{0\}\})$	$e_{24} = (111, 131, \{\{0\}\})$
$e_{25} = (111, 231, \{\{0\}\})$	$e_{26} = (111, 132, \{\{0\}\})$	$e_{27} = (111, 232, \{\{0\}\})$
$e_{28} = (000, 000, \{\{\}\})$	$e_{29} = (10, 00, \{\{0\}\})$	$e_{30} = (10, 10, \{\{0\}\})$
$e_{31} = (01, 00, \{\{0\}\})$	$e_{32} = (01, 01, \{\{0\}\})$	$e_{33} = (11, 11, \{\{0\}\})$
$e_{34} = (11, 21, \{\{0\}\})$	$e_{35} = (11, 12, \{\{0\}\})$	$e_{36} = (11, 22, \{\{0\}\})$
$e_{37} = (00, 00, \{\{\}\})$	$e_{38} = (1, 0, \{\{0\}\})$	$e_{39} = (1, 1, \{\{0\}\})$
$e_{40} = (0, 0, \{\{\}\})$		

TABLE 0.1: Les états de  $\mathcal{A}_{F3}$ .

$T_{1,1} = 0$	$T_{1,2} = wx^2yz^2$	$T_{1,3} = wx^4y\zeta$
$T_{1,4} = 0$	$T_{1,5} = wx^4y\zeta$	$T_{1,6} = 0$
$T_{1,7} = 0$	$T_{1,8} = w^2x^4yz^2$	$T_{1,9} = 0$
$T_{1,10} = 0$	$T_{1,11} = 0$	$T_{1,12} = 0$
$T_{1,13} = w^2x^6yz^2\zeta$	$T_{1,14} = 0$	$T_{1,15} = 0$
$T_{1,16} = w^2x^6yz^2\zeta$	$T_{1,17} = 0$	$T_{1,18} = 0$
$T_{1,19} = 0$	$T_{1,20} = 0$	$T_{1,21} = w^2x^6yz^2$
$T_{1,22} = 0$	$T_{1,23} = 0$	$T_{1,24} = 0$
$T_{1,25} = 0$	$T_{1,26} = 0$	$T_{1,27} = 0$
$T_{1,28} = y$	$T_{1,29} = wx^4y$	$T_{1,30} = 0$
$T_{1,31} = wx^4y\zeta$	$T_{1,32} = 0$	$T_{1,33} = w^2x^6yz^2$
$T_{1,34} = 0$	$T_{1,35} = 0$	$T_{1,36} = 0$
$T_{1,37} = y$	$T_{1,38} = wx^4y\zeta$	$T_{1,39} = 0$
$T_{1,40} = y$	$T_{2,1} = 0$	$T_{2,2} = wx^2y$
$T_{2,3} = wx^4y\zeta$	$T_{2,4} = 0$	$T_{2,5} = wx^4y\zeta$
$T_{2,6} = 0$	$T_{2,7} = 0$	$T_{2,8} = w^2x^4y$
$T_{2,9} = 0$	$T_{2,10} = 0$	$T_{2,11} = 0$
$T_{2,12} = 0$	$T_{2,13} = w^2x^6y\zeta$	$T_{2,14} = 0$
$T_{2,15} = 0$	$T_{2,16} = w^2x^6yz^2\zeta$	$T_{2,17} = 0$
$T_{2,18} = 0$	$T_{2,19} = 0$	$T_{2,20} = 0$
$T_{2,21} = w^3x^6y$	$T_{2,22} = 0$	$T_{2,23} = 0$
$T_{2,24} = 0$	$T_{2,25} = 0$	$T_{2,26} = 0$
$T_{2,27} = 0$	$T_{2,28} = y$	$T_{2,29} = wx^4y$
$T_{2,30} = 0$	$T_{2,31} = wx^4y\zeta$	$T_{2,32} = 0$
$T_{2,33} = w^2x^6yz^2$	$T_{2,34} = 0$	$T_{2,35} = 0$
$T_{2,36} = 0$	$T_{2,37} = y$	$T_{2,38} = wx^4y\zeta$
$T_{2,39} = 0$	$T_{2,40} = y$	$T_{3,1} = wx^4y\zeta$
$T_{3,2} = 0$	$T_{3,3} = 0$	$T_{3,4} = wx^2yz^2$
$T_{3,5} = wx^4y\zeta$	$T_{3,6} = 0$	$T_{3,7} = 0$
$T_{3,8} = 0$	$T_{3,9} = w^2x^4yz^2$	$T_{3,10} = 0$
$T_{3,11} = w^2x^8y\zeta^2$	$T_{3,12} = 0$	$T_{3,13} = 0$
$T_{3,14} = 0$	$T_{3,15} = 0$	$T_{3,16} = 0$
$T_{3,17} = w^2x^4yz^2$	$T_{3,18} = 0$	$T_{3,19} = 0$
$T_{3,20} = 0$	$T_{3,21} = 0$	$T_{3,22} = 0$
$T_{3,23} = 0$	$T_{3,24} = w^3x^6yz^3$	$T_{3,25} = 0$
$T_{3,26} = 0$	$T_{3,27} = 0$	$T_{3,28} = y$
$T_{3,29} = 0$	$T_{3,30} = 0$	$T_{3,31} = 0$
$T_{3,32} = 0$	$T_{3,33} = 0$	$T_{3,34} = 0$
$T_{3,35} = 0$	$T_{3,36} = 0$	$T_{3,37} = 0$
$T_{3,38} = 0$	$T_{3,39} = 0$	$T_{3,40} = 0$
$T_{4,1} = wx^4y\zeta$	$T_{4,2} = 0$	$T_{4,3} = 0$
$T_{4,4} = wx^2y$	$T_{4,5} = wx^4y\zeta$	$T_{4,6} = 0$
$T_{4,7} = 0$	$T_{4,8} = 0$	$T_{4,9} = w^2x^4y$
$T_{4,10} = 0$	$T_{4,11} = w^2x^8y\zeta^2$	$T_{4,12} = 0$
$T_{4,13} = 0$	$T_{4,14} = 0$	$T_{4,15} = 0$
$T_{4,16} = 0$	$T_{4,17} = w^2x^4y$	$T_{4,18} = 0$
$T_{4,19} = 0$	$T_{4,20} = 0$	$T_{4,21} = 0$
$T_{4,22} = 0$	$T_{4,23} = 0$	$T_{4,24} = w^3x^6yz$
$T_{4,25} = 0$	$T_{4,26} = 0$	$T_{4,27} = 0$
$T_{4,28} = y$	$T_{4,29} = 0$	$T_{4,30} = 0$
$T_{4,31} = 0$	$T_{4,32} = 0$	$T_{4,33} = 0$
$T_{4,34} = 0$	$T_{4,35} = 0$	$T_{4,36} = 0$
$T_{4,37} = 0$	$T_{4,38} = 0$	$T_{4,39} = 0$
$T_{4,40} = 0$	$T_{5,1} = wx^4y\zeta$	$T_{5,2} = 0$
$T_{5,3} = wx^4y\zeta$	$T_{5,4} = 0$	$T_{5,5} = 0$
$T_{5,6} = wx^2yz^2$	$T_{5,7} = w^2x^6yz^2\zeta$	$T_{5,8} = 0$

$T_{5,9} = 0$	$T_{5,10} = 0$	$T_{5,11} = 0$
$T_{5,12} = 0$	$T_{5,13} = 0$	$T_{5,14} = w^2 x^6 y z^2 \zeta$
$T_{5,15} = 0$	$T_{5,16} = 0$	$T_{5,17} = 0$
$T_{5,18} = w^2 x^4 y z^2$	$T_{5,19} = 0$	$T_{5,20} = 0$
$T_{5,21} = 0$	$T_{5,22} = w^3 x^6 y z^2$	$T_{5,23} = 0$
$T_{5,24} = 0$	$T_{5,25} = 0$	$T_{5,26} = 0$
$T_{5,27} = 0$	$T_{5,28} = y$	$T_{5,29} = w x^4 y \zeta$
$T_{5,30} = 0$	$T_{5,31} = w x^4 y$	$T_{5,32} =$
$T_{5,33} = w^2 x^6 y z^2$	$T_{5,34} = 0$	$T_{5,35} =$
$T_{5,36} = 0$	$T_{5,37} = y$	$T_{5,38} = w x^4 y \zeta$
$T_{5,39} = 0$	$T_{5,40} = y$	$T_{6,1} = w x^4 y \zeta$
$T_{6,2} = 0$	$T_{6,3} = w x^4 y \zeta$	$T_{6,4} = 0$
$T_{6,5} = 0$	$T_{6,6} = w x^2 y$	$T_{6,7} = w^2 x^6 y z^2 \zeta$
$T_{6,8} = 0$	$T_{6,9} = 0$	$T_{6,10} = 0$
$T_{6,11} = 0$	$T_{6,12} = 0$	$T_{6,13} = 0$
$T_{6,14} = w^2 x^6 y \zeta$	$T_{6,15} = 0$	$T_{6,16} = 0$
$T_{6,17} = 0$	$T_{6,18} = w^2 x^4 y$	$T_{6,19} = 0$
$T_{6,20} = 0$	$T_{6,21} = 0$	$T_{6,22} = w^3 x^6 y$
$T_{6,23} = 0$	$T_{6,24} = 0$	$T_{6,25} = 0$
$T_{6,26} = 0$	$T_{6,27} = 0$	$T_{6,28} = y$
$T_{6,29} = w x^4 y \zeta$	$T_{6,30} = 0$	$T_{6,31} = w x^4 y$
$T_{6,32} =$	$T_{6,33} = w^2 x^6 y z^2$	$T_{6,34} = 0$
$T_{6,35} =$	$T_{6,36} = 0$	$T_{6,37} = y$
$T_{6,38} = w x^4 y \zeta$	$T_{6,39} = 0$	$T_{6,40} = y$
$T_{7,1} = 0$	$T_{7,2} = w x^2 y$	$T_{7,3} = 0$
$T_{7,4} = w x^2 y$	$T_{7,5} = w x^4 y \zeta$	$T_{7,6} = 0$
$T_{7,7} = 0$	$T_{7,8} = 0$	$T_{7,9} = 0$
$T_{7,10} = w^2 x^2 y z^{-2}$	$T_{7,11} = 0$	$T_{7,12} = 0$
$T_{7,13} = w^2 x^6 y \zeta$	$T_{7,14} = 0$	$T_{7,15} = 0$
$T_{7,16} = 0$	$T_{7,17} = w^2 x^4 y$	$T_{7,18} = 0$
$T_{7,19} = 0$	$T_{7,20} = 0$	$T_{7,21} = 0$
$T_{7,22} = 0$	$T_{7,23} = 0$	$T_{7,24} = 0$
$T_{7,25} = w^3 x^4 y z^{-1}$	$T_{7,26} = 0$	$T_{7,27} = 0$
$T_{7,28} = y$	$T_{7,29} = 0$	$T_{7,30} = w x^2 y$
$T_{7,31} = w x^4 y \zeta$	$T_{7,32} = 0$	$T_{7,33} = 0$
$T_{7,34} = w^2 x^4 y$	$T_{7,35} = 0$	$T_{7,36} = 0$
$T_{7,37} = y$	$T_{7,38} = w x^4 y \zeta$	$T_{7,39} = 0$
$T_{7,40} = y$	$T_{8,1} = 0$	$T_{8,2} = w x^2 y z$
$T_{8,3} = 0$	$T_{8,4} = w x^2 y$	$T_{8,5} = w x^4 y \zeta$
$T_{8,6} = 0$	$T_{8,7} = 0$	$T_{8,8} = 0$
$T_{8,9} = 0$	$T_{8,10} = w^2 x^2 y z^{-1}$	$T_{8,11} = 0$
$T_{8,12} = 0$	$T_{8,13} = w^2 x^6 y z \zeta$	$T_{8,14} = 0$
$T_{8,15} = 0$	$T_{8,16} = 0$	$T_{8,17} = w^2 x^4 y$
$T_{8,18} = 0$	$T_{8,19} = 0$	$T_{8,20} = 0$
$T_{8,21} = 0$	$T_{8,22} = 0$	$T_{8,23} = 0$
$T_{8,24} = 0$	$T_{8,25} = w^3 x^4 y$	$T_{8,26} = 0$
$T_{8,27} = 0$	$T_{8,28} = y$	$T_{8,29} = 0$
$T_{8,30} = w x^2 y$	$T_{8,31} = w x^4 y \zeta$	$T_{8,32} = 0$
$T_{8,33} = 0$	$T_{8,34} = w^2 x^4 y$	$T_{8,35} = 0$
$T_{8,36} = 0$	$T_{8,37} = y$	$T_{8,38} = w x^4 y \zeta$
$T_{8,39} = 0$	$T_{8,40} = y$	$T_{9,1} = 0$
$T_{9,2} = w x^2 y$	$T_{9,3} = 0$	$T_{9,4} = w x^2 y z$
$T_{9,5} = w x^4 y \zeta$	$T_{9,6} = 0$	$T_{9,7} = 0$
$T_{9,8} = 0$	$T_{9,9} = 0$	$T_{9,10} = w^2 x^2 y z^{-1}$
$T_{9,11} = 0$	$T_{9,12} = 0$	$T_{9,13} = w^2 x^6 y \zeta$
$T_{9,14} = 0$	$T_{9,15} = 0$	$T_{9,16} = 0$
$T_{9,17} = w^2 x^4 y z$	$T_{9,18} = 0$	$T_{9,19} = 0$

$T_{9,20} = 0$	$T_{9,21} = 0$	$T_{9,22} = 0$
$T_{9,23} = 0$	$T_{9,24} = 0$	$T_{9,25} = w^3 x^4 y$
$T_{9,26} = 0$	$T_{9,27} = 0$	$T_{9,28} = y$
$T_{9,29} = 0$	$T_{9,30} = w x^2 y z$	$T_{9,31} = w x^4 y \zeta$
$T_{9,32} = 0$	$T_{9,33} = 0$	$T_{9,34} = w^2 x^4 y z$
$T_{9,35} = 0$	$T_{9,36} = 0$	$T_{9,37} = y$
$T_{9,38} = w x^4 y \zeta$	$T_{9,39} = 0$	$T_{9,40} = y$
$T_{10,1} = 0$	$T_{10,2} = w x^2 y z$	$T_{10,3} = 0$
$T_{10,4} = w x^2 y z$	$T_{10,5} = w x^4 y \zeta$	$T_{10,6} = 0$
$T_{10,7} = 0$	$T_{10,8} = 0$	$T_{10,9} = 0$
$T_{10,10} = w^2 x^2 y$	$T_{10,11} = 0$	$T_{10,12} = 0$
$T_{10,13} = w^2 x^6 y z \zeta$	$T_{10,14} = 0$	$T_{10,15} = 0$
$T_{10,16} = 0$	$T_{10,17} = w^2 x^4 y z$	$T_{10,18} = 0$
$T_{10,19} = 0$	$T_{10,20} = 0$	$T_{10,21} = 0$
$T_{10,22} = 0$	$T_{10,23} = 0$	$T_{10,24} = 0$
$T_{10,25} = w^3 x^4 y z$	$T_{10,26} = 0$	$T_{10,27} = 0$
$T_{10,28} = y$	$T_{10,29} = 0$	$T_{10,30} = w x^2 y z$
$T_{10,31} = w x^4 y \zeta$	$T_{10,32} = 0$	$T_{10,33} = 0$
$T_{10,34} = w^2 x^4 y z$	$T_{10,35} = 0$	$T_{10,36} = 0$
$T_{10,37} = y$	$T_{10,38} = w x^4 y \zeta$	$T_{10,39} = 0$
$T_{10,40} = y$	$T_{11,1} = 0$	$T_{11,2} = w x^2 y z^2$
$T_{11,3} = w x^4 y$	$T_{11,4} = 0$	$T_{11,5} = 0$
$T_{11,6} = w x^2 y z^2$	$T_{11,7} = 0$	$T_{11,8} = w^2 x^4 y z^2$
$T_{11,9} = 0$	$T_{11,10} = 0$	$T_{11,11} = 0$
$T_{11,12} = w^2 x^4 y z^4$	$T_{11,13} = 0$	$T_{11,14} = 0$
$T_{11,15} = 0$	$T_{11,16} = 0$	$T_{11,17} = 0$
$T_{11,18} = w^2 x^4 y z^2$	$T_{11,19} = 0$	$T_{11,20} = 0$
$T_{11,21} = 0$	$T_{11,22} = 0$	$T_{11,23} = w^3 x^4 y z^2$
$T_{11,24} = 0$	$T_{11,25} = 0$	$T_{11,26} = 0$
$T_{11,27} = 0$	$T_{11,28} = y$	$T_{11,29} = w x^4 y \zeta$
$T_{11,30} = w x^2 y z^2 \zeta$	$T_{11,31} = w x^4 y \zeta$	$T_{11,32} = w x^2 y z^2 \zeta$
$T_{11,33} = 0$	$T_{11,34} = w^2 x^4 y z^2$	$T_{11,35} = w^2 x^4 y z^2$
$T_{11,36} = 0$	$T_{11,37} = 2y$	$T_{11,38} = w x^4 y \zeta$
$T_{11,39} = 2w x^2 y z^2$	$T_{11,40} = 3y$	$T_{12,1} = 0$
$T_{12,2} = w x^2 y$	$T_{12,3} = w x^4 y$	$T_{12,4} = 0$
$T_{12,5} = 0$	$T_{12,6} = w x^2 y$	$T_{12,7} = 0$
$T_{12,8} = w^2 x^4 y$	$T_{12,9} = 0$	$T_{12,10} = 0$
$T_{12,11} = 0$	$T_{12,12} = w^2 x^4 y$	$T_{12,13} = 0$
$T_{12,14} = 0$	$T_{12,15} = 0$	$T_{12,16} = 0$
$T_{12,17} = 0$	$T_{12,18} = w^2 x^4 y$	$T_{12,19} = 0$
$T_{12,20} = 0$	$T_{12,21} = 0$	$T_{12,22} = 0$
$T_{12,23} = w^3 x^4 y z^{-2}$	$T_{12,24} = 0$	$T_{12,25} = 0$
$T_{12,26} = 0$	$T_{12,27} = 0$	$T_{12,28} = y$
$T_{12,29} = w x^4 y \zeta$	$T_{12,30} = w x^2 y \zeta$	$T_{12,31} = w x^4 y \zeta$
$T_{12,32} = w x^2 y \zeta$	$T_{12,33} = 0$	$T_{12,34} = w^2 x^4 y$
$T_{12,35} = w^2 x^4 y$	$T_{12,36} = 0$	$T_{12,37} = 2y$
$T_{12,38} = w x^4 y \zeta$	$T_{12,39} = 2w x^2 y$	$T_{12,40} = 3y$
$T_{13,1} = 0$	$T_{13,2} = w x^2 y$	$T_{13,3} = w x^4 y$
$T_{13,4} = 0$	$T_{13,5} = 0$	$T_{13,6} = w x^2 y z^2$
$T_{13,7} = 0$	$T_{13,8} = w^2 x^4 y$	$T_{13,9} = 0$
$T_{13,10} = 0$	$T_{13,11} = 0$	$T_{13,12} = w^2 x^4 y z^2$
$T_{13,13} = 0$	$T_{13,14} = 0$	$T_{13,15} = 0$
$T_{13,16} = 0$	$T_{13,17} = 0$	$T_{13,18} = w^2 x^4 y z^2$
$T_{13,19} = 0$	$T_{13,20} = 0$	$T_{13,21} = 0$
$T_{13,22} = 0$	$T_{13,23} = w^3 x^4 y$	$T_{13,24} = 0$
$T_{13,25} = 0$	$T_{13,26} = 0$	$T_{13,27} = 0$
$T_{13,28} = y$	$T_{13,29} = w x^4 y \zeta$	$T_{13,30} = w x^2 y \zeta$

$T_{13,31} = wx^4y\zeta$ $T_{13,34} = w^2x^4y$ $T_{13,37} = 2y$ $T_{13,40} = 3y$ $T_{14,3} = wx^4y$ $T_{14,6} = wx^2y$ $T_{14,9} = 0$ $T_{14,12} = w^2x^4yz^2$ $T_{14,15} = 0$ $T_{14,18} = w^2x^4y$	$T_{13,32} = wx^2yz^2\zeta$ $T_{13,35} = w^2x^4yz^2$ $T_{13,38} = wx^4y\zeta$ $T_{14,1} = 0$ $T_{14,4} = 0$ $T_{14,7} = 0$ $T_{14,10} = 0$ $T_{14,13} = 0$ $T_{14,16} = 0$ $T_{14,19} = 0$	$T_{13,33} = 0$ $T_{13,36} = 0$ $T_{13,39} = wx^2y + wx^2yz^2$ $T_{14,2} = wx^2yz^2$ $T_{14,5} = 0$ $T_{14,8} = w^2x^4yz^2$ $T_{14,11} = 0$ $T_{14,14} = 0$ $T_{14,17} = 0$ $T_{14,20} = 0$
$T_{14,21} = 0$ $T_{14,24} = 0$ $T_{14,27} = 0$ $T_{14,30} = wx^2yz^2\zeta$ $T_{14,33} = 0$ $T_{14,36} = 0$ $T_{14,39} = wx^2yz^2 + wx^2y$ $T_{15,2} = wx^2y$ $T_{15,5} = 0$ $T_{15,8} = w^2x^4y$ $T_{15,11} = 0$ $T_{15,14} = 0$ $T_{15,17} = 0$ $T_{15,20} = 0$ $T_{15,23} = w^3x^4yz^{-2}$ $T_{15,26} = 0$ $T_{15,29} = wx^4y$ $T_{15,32} = wx^2y$ $T_{15,35} = w^2x^4y$ $T_{15,38} = wx^4y\zeta$ $T_{16,1} = wx^4y\zeta$ $T_{16,4} = wx^2y$ $T_{16,7} = 0$ $T_{16,10} = 0$ $T_{16,13} = 0$ $T_{16,16} = 0$ $T_{16,19} = w^2x^2yz^{-2}$ $T_{16,22} = 0$ $T_{16,25} = 0$ $T_{16,28} = y$ $T_{16,31} = 0$ $T_{16,34} = 0$ $T_{16,37} = y$ $T_{16,40} = y$ $T_{17,3} = 0$ $T_{17,6} = wx^2y$ $T_{17,9} = w^2x^4yz$ $T_{17,12} = 0$ $T_{17,15} = 0$ $T_{17,18} = 0$ $T_{17,21} = 0$ $T_{17,24} = 0$ $T_{17,27} = 0$ $T_{17,30} = 0$ $T_{17,33} = 0$ $T_{17,36} = 0$ $T_{17,39} = 0$	$T_{14,22} = 0$ $T_{14,25} = 0$ $T_{14,28} = y$ $T_{14,31} = wx^4y\zeta$ $T_{14,34} = w^2x^4yz^2$ $T_{14,37} = 2y$ $T_{14,40} = 3y$ $T_{15,3} = wx^4y\zeta$ $T_{15,6} = wx^2y$ $T_{15,9} = 0$ $T_{15,12} = 0$ $T_{15,15} = w^2x^4y$ $T_{15,18} = w^2x^4y$ $T_{15,21} = 0$ $T_{15,24} = 0$ $T_{15,27} = 0$ $T_{15,30} = wx^2y$ $T_{15,33} = 0$ $T_{15,36} = 0$ $T_{15,39} = 2wx^2y$ $T_{16,2} = 0$ $T_{16,5} = 0$ $T_{16,8} = 0$ $T_{16,11} = 0$ $T_{16,14} = w^2x^6y\zeta$ $T_{16,17} = 0$ $T_{16,20} = 0$ $T_{16,23} = 0$ $T_{16,26} = w^3x^4yz^{-1}$ $T_{16,29} = wx^4y$ $T_{16,32} = wx^2y$ $T_{16,35} = w^2x^4y$ $T_{16,38} = wx^4y\zeta$ $T_{17,1} = wx^4y\zeta$ $T_{17,4} = wx^2yz$ $T_{17,7} = 0$ $T_{17,10} = 0$ $T_{17,13} = 0$ $T_{17,16} = 0$ $T_{17,19} = w^2x^2yz^{-1}$ $T_{17,22} = 0$ $T_{17,25} = 0$ $T_{17,28} = y$ $T_{17,31} = 0$ $T_{17,34} = 0$ $T_{17,37} = y$ $T_{17,40} = y$	$T_{14,23} = w^3x^4y$ $T_{14,26} = 0$ $T_{14,29} = wx^4y\zeta$ $T_{14,32} = wx^2y\zeta$ $T_{14,35} = w^2x^4y$ $T_{14,38} = wx^4y\zeta$ $T_{15,1} = 0$ $T_{15,4} = 0$ $T_{15,7} = 0$ $T_{15,10} = 0$ $T_{15,13} = 0$ $T_{15,16} = 0$ $T_{15,19} = 0$ $T_{15,22} = 0$ $T_{15,25} = 0$ $T_{15,28} = y$ $T_{15,31} = wx^4y$ $T_{15,34} = w^2x^4y$ $T_{15,37} = 2y$ $T_{15,40} = 3y$ $T_{16,3} = 0$ $T_{16,6} = wx^2y$ $T_{16,9} = w^2x^4y$ $T_{16,12} = 0$ $T_{16,15} = 0$ $T_{16,18} = 0$ $T_{16,21} = 0$ $T_{16,24} = 0$ $T_{16,27} = 0$ $T_{16,30} = 0$ $T_{16,33} = 0$ $T_{16,36} = 0$ $T_{16,39} = 0$ $T_{17,2} = 0$ $T_{17,5} = 0$ $T_{17,8} = 0$ $T_{17,11} = 0$ $T_{17,14} = w^2x^6y\zeta$ $T_{17,17} = 0$ $T_{17,20} = 0$ $T_{17,23} = 0$ $T_{17,26} = w^3x^4y$ $T_{17,29} = wx^4y$ $T_{17,32} = wx^2yz$ $T_{17,35} = w^2x^4yz$ $T_{17,38} = wx^4y\zeta$ $T_{18,1} = wx^4y\zeta$

$T_{18,2} = 0$ $T_{18,5} = 0$ $T_{18,8} = 0$ $T_{18,11} = 0$ $T_{18,14} = w^2 x^6 y z \zeta$ $T_{18,17} = 0$ $T_{18,20} = 0$ $T_{18,23} = 0$ $T_{18,26} = w^3 x^4 y$ $T_{18,29} = w x^4 y$ $T_{18,32} = w x^2 y$ $T_{18,35} = w^2 x^4 y$ $T_{18,38} = w x^4 y \zeta$ $T_{19,1} = w x^4 y \zeta$ $T_{19,4} = w x^2 y z$ $T_{19,7} = 0$ $T_{19,10} = 0$ $T_{19,13} = 0$ $T_{19,16} = 0$ $T_{19,19} = w^2 x^2 y$ $T_{19,22} = 0$ $T_{19,25} = 0$ $T_{19,28} = y$ $T_{19,31} = 0$ $T_{19,34} = 0$ $T_{19,37} = y$ $T_{19,40} = y$ $T_{20,3} = 0$ $T_{20,6} = w x^2 y$ $T_{20,9} = 0$ $T_{20,12} = w^2 x^4 y \zeta$ $T_{20,15} = w^2 x^4 y$ $T_{20,18} = 0$	$T_{18,3} = 0$ $T_{18,6} = w x^2 y z$ $T_{18,9} = w^2 x^4 y$ $T_{18,12} = 0$ $T_{18,15} = 0$ $T_{18,18} = 0$ $T_{18,21} = 0$ $T_{18,24} = 0$ $T_{18,27} = 0$ $T_{18,30} =$ $T_{18,33} = 0$ $T_{18,36} =$ $T_{18,39} = 0$ $T_{19,2} = 0$ $T_{19,5} = 0$ $T_{19,8} = 0$ $T_{19,11} = 0$ $T_{19,14} = w^2 x^6 y z \zeta$ $T_{19,17} = 0$ $T_{19,20} = 0$ $T_{19,23} = 0$ $T_{19,26} = w^3 x^4 y z$ $T_{19,29} = w x^4 y$ $T_{19,32} = w x^2 y z$ $T_{19,35} = w^2 x^4 y z$ $T_{19,38} = w x^4 y \zeta$ $T_{20,1} = 0$ $T_{20,4} = w x^2 y z$ $T_{20,7} = 0$ $T_{20,10} = w^2 x^2 y z^{-1}$ $T_{20,13} = 0$ $T_{20,16} = 0$ $T_{20,19} = w^2 x^2 y z^{-1}$	$T_{18,4} = w x^2 y$ $T_{18,7} = 0$ $T_{18,10} = 0$ $T_{18,13} = 0$ $T_{18,16} = 0$ $T_{18,19} = w^2 x^2 y z^{-1}$ $T_{18,22} = 0$ $T_{18,25} = 0$ $T_{18,28} = y$ $T_{18,31} = 0$ $T_{18,34} = 0$ $T_{18,37} = y$ $T_{18,40} = y$ $T_{19,3} = 0$ $T_{19,6} = w x^2 y z$ $T_{19,9} = w^2 x^4 y z$ $T_{19,12} = 0$ $T_{19,15} = 0$ $T_{19,18} = 0$ $T_{19,21} = 0$ $T_{19,24} = 0$ $T_{19,27} = 0$ $T_{19,30} =$ $T_{19,33} = 0$ $T_{19,36} =$ $T_{19,39} = 0$ $T_{20,2} = w x^2 y$ $T_{20,5} = 0$ $T_{20,8} = 0$ $T_{20,11} = 0$ $T_{20,14} = 0$ $T_{20,17} = 0$ $T_{20,20} = 0$
$T_{20,21} = 0$ $T_{20,24} = 0$ $T_{20,27} = w^3 x^2 y z^{-2}$ $T_{20,30} = w x^2 y + w x^2 y z$ $T_{20,33} = 0$ $T_{20,36} = 2 w^2 x^2 y z^{-1}$ $T_{20,39} = 2 w x^2 y + w x^2 y z$ $T_{21,2} = w x^2 y z$ $T_{21,5} = 0$ $T_{21,8} = 0$ $T_{21,11} = 0$ $T_{21,14} = 0$ $T_{21,17} = 0$ $T_{21,20} = 0$ $T_{21,23} = 0$ $T_{21,26} = 0$ $T_{21,29} = 0$ $T_{21,32} = w x^2 y z + w x^2 y$ $T_{21,35} = 0$ $T_{21,38} = 0$	$T_{20,22} = 0$ $T_{20,25} = 0$ $T_{20,28} = y$ $T_{20,31} = 0$ $T_{20,34} = 0$ $T_{20,37} = 2 y$ $T_{20,40} = 3 y$ $T_{21,3} = 0$ $T_{21,6} = w x^2 y$ $T_{21,9} = 0$ $T_{21,12} = w^2 x^4 y z \zeta$ $T_{21,15} = w^2 x^4 y z$ $T_{21,18} = 0$ $T_{21,21} = 0$ $T_{21,24} = 0$ $T_{21,27} = w^3 x^2 y z^{-1}$ $T_{21,30} = 2 w x^2 y z$ $T_{21,33} = 0$ $T_{21,36} = w^2 x^2 y + w^2 x^2 y z^{-1}$ $T_{21,39} = 2 w x^2 y z + w x^2 y$	$T_{20,23} = 0$ $T_{20,26} = 0$ $T_{20,29} = 0$ $T_{20,32} = w x^2 y z + w x^2 y$ $T_{20,35} = 0$ $T_{20,38} = 0$ $T_{21,1} = 0$ $T_{21,4} = w x^2 y z$ $T_{21,7} = 0$ $T_{21,10} = w^2 x^2 y$ $T_{21,13} = 0$ $T_{21,16} = 0$ $T_{21,19} = w^2 x^2 y z^{-1}$ $T_{21,22} = 0$ $T_{21,25} = 0$ $T_{21,28} = y$ $T_{21,31} = 0$ $T_{21,34} = 0$ $T_{21,37} = 2 y$ $T_{21,40} = 3 y$
$T_{22,1} = 0$ $T_{22,4} = w x^2 y z$ $T_{22,7} = 0$ $T_{22,10} = w^2 x^2 y z^{-1}$	$T_{22,2} = w x^2 y$ $T_{22,5} = 0$ $T_{22,8} = 0$ $T_{22,11} = 0$	$T_{22,3} = 0$ $T_{22,6} = w x^2 y z$ $T_{22,9} = 0$ $T_{22,12} = w^2 x^4 y z \zeta$

$T_{22,13} = 0$	$T_{22,14} = 0$	$T_{22,15} = w^2 x^4 y z$
$T_{22,16} = 0$	$T_{22,17} = 0$	$T_{22,18} = 0$
$T_{22,19} = w^2 x^2 y$	$T_{22,20} = 0$	$T_{22,21} = 0$
$T_{22,22} = 0$	$T_{22,23} = 0$	$T_{22,24} = 0$
$T_{22,25} = 0$	$T_{22,26} = 0$	$T_{22,27} = w^3 x^2 y z^{-1}$
$T_{22,28} = y$	$T_{22,29} = 0$	$T_{22,30} = w x^2 y + w x^2 y z$
$T_{22,31} = 0$	$T_{22,32} = 2 w x^2 y z$	$T_{22,33} = 0$
$T_{22,34} = 0$	$T_{22,35} = 0$	$T_{22,36} = w^2 x^2 y z^{-1} + w^2 x^2 y$
$T_{22,37} = 2 y$	$T_{22,38} = 0$	$T_{22,39} = 2 w x^2 y z + w x^2 y$
$T_{22,40} = 3 y$	$T_{23,1} = 0$	$T_{23,2} = w x^2 y z$
$T_{23,3} = 0$	$T_{23,4} = w x^2 y z$	$T_{23,5} = 0$
$T_{23,6} = w x^2 y z$	$T_{23,7} = 0$	$T_{23,8} = 0$
$T_{23,9} = 0$	$T_{23,10} = w^2 x^2 y$	$T_{23,11} = 0$
$T_{23,12} = w^2 x^4 y z^2 \zeta$	$T_{23,13} = 0$	$T_{23,14} = 0$
$T_{23,15} = w^2 x^4 y z^2$	$T_{23,16} = 0$	$T_{23,17} = 0$
$T_{23,18} = 0$	$T_{23,19} = w^2 x^2 y$	$T_{23,20} = 0$
$T_{23,21} = 0$	$T_{23,22} = 0$	$T_{23,23} = 0$
$T_{23,24} = 0$	$T_{23,25} = 0$	$T_{23,26} = 0$
$T_{23,27} = w^3 x^2 y$	$T_{23,28} = y$	$T_{23,29} = 0$
$T_{23,30} = 2 w x^2 y z$	$T_{23,31} = 0$	$T_{23,32} = 2 w x^2 y z$
$T_{23,33} = 0$	$T_{23,34} = 0$	$T_{23,35} = 0$
$T_{23,36} = 2 w^2 x^2 y$	$T_{23,37} = 2 y$	$T_{23,38} = 0$
$T_{23,39} = 3 w x^2 y z$	$T_{23,40} = 3 y$	$T_{24,1} = 0$
$T_{24,2} = w x^2 y$	$T_{24,3} = 0$	$T_{24,4} = w x^2 y z$
$T_{24,5} = 0$	$T_{24,6} = w x^2 y$	$T_{24,7} = 0$
$T_{24,8} = 0$	$T_{24,9} = 0$	$T_{24,10} = w^2 x^2 y z^{-1}$
$T_{24,11} = 0$	$T_{24,12} = w^2 x^4 y \zeta$	$T_{24,13} = 0$
$T_{24,14} = 0$	$T_{24,15} = w^2 x^4 y$	$T_{24,16} = 0$
$T_{24,17} = 0$	$T_{24,18} = 0$	$T_{24,19} = w^2 x^2 y z^{-1}$
$T_{24,20} = 0$	$T_{24,21} = 0$	$T_{24,22} = 0$
$T_{24,23} = 0$	$T_{24,24} = 0$	$T_{24,25} = 0$
$T_{24,26} = 0$	$T_{24,27} = w^3 x^2 y z^{-2}$	$T_{24,28} = y$
$T_{24,29} = 0$	$T_{24,30} = w x^2 y + w x^2 y z$	$T_{24,31} = 0$
$T_{24,32} = w x^2 y z + w x^2 y$	$T_{24,33} = 0$	$T_{24,34} = 0$
$T_{24,35} = 0$	$T_{24,36} = 2 w^2 x^2 y z^{-1}$	$T_{24,37} = 2 y$
$T_{24,38} = 0$	$T_{24,39} = 2 w x^2 y + w x^2 y z$	$T_{24,40} = 3 y$
$T_{25,1} = 0$	$T_{25,2} = w x^2 y z$	$T_{25,3} = 0$
$T_{25,4} = w x^2 y z$	$T_{25,5} = 0$	$T_{25,6} = w x^2 y$
$T_{25,7} = 0$	$T_{25,8} = 0$	$T_{25,9} = 0$
$T_{25,10} = w^2 x^2 y$	$T_{25,11} = 0$	$T_{25,12} = w^2 x^4 y z \zeta$
$T_{25,13} = 0$	$T_{25,14} = 0$	$T_{25,15} = w^2 x^4 y z$
$T_{25,16} = 0$	$T_{25,17} = 0$	$T_{25,18} = 0$
$T_{25,19} = w^2 x^2 y z^{-1}$	$T_{25,20} = 0$	$T_{25,21} = 0$
$T_{25,22} = 0$	$T_{25,23} = 0$	$T_{25,24} = 0$
$T_{25,25} = 0$	$T_{25,26} = 0$	$T_{25,27} = w^3 x^2 y z^{-1}$
$T_{25,28} = y$	$T_{25,29} = 0$	$T_{25,30} = 2 w x^2 y z$
$T_{25,31} = 0$	$T_{25,33} = 0$	$T_{25,32} = w x^2 y z + w x^2 y$
$T_{25,34} = 0$	$T_{25,35} = 0$	$T_{25,36} = w^2 x^2 y + w^2 x^2 y z^{-1}$
$T_{25,37} = 2 y$	$T_{25,38} = 0$	$T_{25,39} = 2 w x^2 y z + w x^2 y$
$T_{25,40} = 3 y$	$T_{26,1} = 0$	$T_{26,2} = w x^2 y$
$T_{26,3} = 0$	$T_{26,4} = w x^2 y z$	$T_{26,5} = 0$
$T_{26,6} = w x^2 y z$	$T_{26,7} = 0$	$T_{26,8} = 0$
$T_{26,9} = 0$	$T_{26,10} = w^2 x^2 y z^{-1}$	$T_{26,11} = 0$
$T_{26,12} = w^2 x^4 y z \zeta$	$T_{26,13} = 0$	$T_{26,14} = 0$
$T_{26,15} = w^2 x^4 y z$	$T_{26,16} = 0$	$T_{26,17} = 0$
$T_{26,18} = 0$	$T_{26,19} = w^2 x^2 y$	$T_{26,20} = 0$
$T_{26,21} = 0$	$T_{26,22} = 0$	$T_{26,23} = 0$

$T_{26,24} = 0$	$T_{26,25} = 0$	$T_{26,26} = 0$
$T_{26,27} = w^3 x^2 y z^{-1}$	$T_{26,28} = y$	$T_{26,29} = 0$
$T_{26,30} = w x^2 y + w x^2 y z$	$T_{26,31} = 0$	$T_{26,32} = 2 w x^2 y z$
$T_{26,33} = 0$	$T_{26,34} = 0$	$T_{26,35} = 0$
$T_{26,36} = w^2 x^2 y z^{-1} + w^2 x^2 y$	$T_{26,37} = 2 y$	$T_{26,38} = 0$
$T_{26,39} = 2 w x^2 y z + w x^2 y$	$T_{26,40} = 3 y$	$T_{27,1} = 0$
$T_{27,2} = w x^2 y z$	$T_{27,3} = 0$	$T_{27,4} = w x^2 y z$
$T_{27,5} = 0$	$T_{27,6} = w x^2 y z$	$T_{27,7} = 0$
$T_{27,8} = 0$	$T_{27,9} = 0$	$T_{27,10} = w^2 x^2 y$
$T_{27,11} = 0$	$T_{27,12} = w^2 x^4 y z^2 \zeta$	$T_{27,13} = 0$
$T_{27,14} = 0$	$T_{27,15} = w^2 x^4 y z^2$	$T_{27,16} = 0$
$T_{27,17} = 0$	$T_{27,18} = 0$	$T_{27,19} = w^2 x^2 y$
$T_{27,20} = 0$	$T_{27,21} = 0$	$T_{27,22} = 0$
$T_{27,23} = 0$	$T_{27,24} = 0$	$T_{27,25} = 0$
$T_{27,26} = 0$	$T_{27,27} = w^3 x^2 y$	$T_{27,28} = y$
$T_{27,29} = 0$	$T_{27,30} = 2 w x^2 y z$	$T_{27,31} = 0$
$T_{27,32} = 2 w x^2 y z$	$T_{27,33} = 0$	$T_{27,34} = 0$
$T_{27,35} = 0$	$T_{27,36} = 2 w^2 x^2 y$	$T_{27,37} = 2 y$
$T_{27,38} = 0$	$T_{27,39} = 3 w x^2 y z$	$T_{27,40} = 3 y$
$T_{28,1} = w x^4 y \zeta$	$T_{28,2} = 0$	$T_{28,3} = w x^4 y \zeta$
$T_{28,4} = 0$	$T_{28,5} = w x^4 y \zeta$	$T_{28,6} = 0$
$T_{28,7} = w^2 x^6 y z^2 \zeta$	$T_{28,8} = 0$	$T_{28,9} = 0$
$T_{28,10} = 0$	$T_{28,11} = w^2 x^8 y \zeta^2$	$T_{28,12} = 0$
$T_{28,13} = 0$	$T_{28,14} = 0$	$T_{28,15} = 0$
$T_{28,16} = w^2 x^6 y z^2 \zeta$	$T_{28,17} = 0$	$T_{28,18} = 0$
$T_{28,19} = 0$	$T_{28,20} = w^3 x^8 y z^2 \zeta$	$T_{28,21} = 0$
$T_{28,22} = 0$	$T_{28,23} = 0$	$T_{28,24} = 0$
$T_{28,25} = 0$	$T_{28,26} = 0$	$T_{28,27} = 0$
$T_{28,28} = y$	$T_{28,29} = 0$	$T_{28,30} = 0$
$T_{28,31} = 0$	$T_{28,32} = 0$	$T_{28,33} = 0$
$T_{28,34} = 0$	$T_{28,35} = 0$	$T_{28,36} = 0$
$T_{28,37} = 0$	$T_{28,38} = 0$	$T_{28,39} = 0$
$T_{28,40} = 0$	$T_{29,1} = 0$	$T_{29,2} = 0$
$T_{29,3} = 0$	$T_{29,4} = 0$	$T_{29,5} = 0$
$T_{29,6} = 0$	$T_{29,7} = 0$	$T_{29,8} = 0$
$T_{29,9} = 0$	$T_{29,10} = 0$	$T_{29,11} = 0$
$T_{29,12} = 0$	$T_{29,13} = 0$	$T_{29,14} = 0$
$T_{29,15} = 0$	$T_{29,16} = 0$	$T_{29,17} = 0$
$T_{29,18} = 0$	$T_{29,19} = 0$	$T_{29,20} = 0$
$T_{29,21} = 0$	$T_{29,22} = 0$	$T_{29,23} = 0$
$T_{29,24} = 0$	$T_{29,25} = 0$	$T_{29,26} = 0$
$T_{29,27} = 0$	$T_{29,28} = 0$	$T_{29,29} = 0$
$T_{29,30} = w x^2 y z^2$	$T_{29,31} = w x^4 y \zeta$	$T_{29,32} = 0$
$T_{29,33} = 0$	$T_{29,34} = w^2 x^4 y z^2$	$T_{29,35} = 0$
$T_{29,36} = 0$	$T_{29,37} = y$	$T_{29,38} = w x^4 y \zeta$
$T_{29,39} = 0$	$T_{29,40} = y$	$T_{30,1} = 0$
$T_{30,2} = 0$	$T_{30,3} = 0$	$T_{30,4} = 0$
$T_{30,5} = 0$	$T_{30,6} = 0$	$T_{30,7} = 0$
$T_{30,8} = 0$	$T_{30,9} = 0$	$T_{30,10} = 0$
$T_{30,11} = 0$	$T_{30,12} = 0$	$T_{30,13} = 0$
$T_{30,14} = 0$	$T_{30,15} = 0$	$T_{30,16} = 0$
$T_{30,17} = 0$	$T_{30,18} = 0$	$T_{30,19} = 0$
$T_{30,20} = 0$	$T_{30,21} = 0$	$T_{30,22} = 0$
$T_{30,23} = 0$	$T_{30,24} = 0$	$T_{30,25} = 0$
$T_{30,26} = 0$	$T_{30,27} = 0$	$T_{30,28} = 0$
$T_{30,29} = 0$	$T_{30,30} = w x^2 y$	$T_{30,31} = w x^4 y \zeta$
$T_{30,32} = 0$	$T_{30,33} = 0$	$T_{30,34} = w^2 x^4 y$



$T_{30,35} = 0$	$T_{30,36} = 0$	$T_{30,37} = y$
$T_{30,38} = wx^4y\zeta$	$T_{30,39} = 0$	$T_{30,40} = y$
$T_{31,1} = 0$	$T_{31,2} = 0$	$T_{31,3} = 0$
$T_{31,4} = 0$	$T_{31,5} = 0$	$T_{31,6} = 0$
$T_{31,7} = 0$	$T_{31,8} = 0$	$T_{31,9} = 0$
$T_{31,10} = 0$	$T_{31,11} = 0$	$T_{31,12} = 0$
$T_{31,13} = 0$	$T_{31,14} = 0$	$T_{31,15} = 0$
$T_{31,16} = 0$	$T_{31,17} = 0$	$T_{31,18} = 0$
$T_{31,19} = 0$	$T_{31,20} = 0$	$T_{31,21} = 0$
$T_{31,22} = 0$	$T_{31,23} = 0$	$T_{31,24} = 0$
$T_{31,25} = 0$	$T_{31,26} = 0$	$T_{31,27} = 0$
$T_{31,28} = 0$	$T_{31,29} = wx^4y\zeta$	$T_{31,30} = 0$
$T_{31,31} = 0$	$T_{31,32} = wx^2yz^2$	$T_{31,33} = 0$
$T_{31,34} = 0$	$T_{31,35} = w^2x^4yz^2$	$T_{31,36} = 0$
$T_{31,37} = y$	$T_{31,38} = wx^4y\zeta$	$T_{31,39} = 0$
$T_{31,40} = y$	$T_{32,1} = 0$	$T_{32,2} = 0$
$T_{32,3} = 0$	$T_{32,4} = 0$	$T_{32,5} = 0$
$T_{32,6} = 0$	$T_{32,7} = 0$	$T_{32,8} = 0$
$T_{32,9} = 0$	$T_{32,10} = 0$	$T_{32,11} = 0$
$T_{32,12} = 0$	$T_{32,13} = 0$	$T_{32,14} = 0$
$T_{32,15} = 0$	$T_{32,16} = 0$	$T_{32,17} = 0$
$T_{32,18} = 0$	$T_{32,19} = 0$	$T_{32,20} = 0$
$T_{32,21} = 0$	$T_{32,22} = 0$	$T_{32,23} = 0$
$T_{32,24} = 0$	$T_{32,25} = 0$	$T_{32,26} = 0$
$T_{32,27} = 0$	$T_{32,28} = 0$	$T_{32,29} = wx^4y\zeta$
$T_{32,30} = 0$	$T_{32,31} = 0$	$T_{32,32} = wx^2y$
$T_{32,33} = 0$	$T_{32,34} = 0$	$T_{32,35} = w^2x^4y$
$T_{32,36} = 0$	$T_{32,37} = y$	$T_{32,38} = wx^4y\zeta$
$T_{32,39} = 0$	$T_{32,40} = y$	$T_{33,1} = 0$
$T_{33,2} = 0$	$T_{33,3} = 0$	$T_{33,4} = 0$
$T_{33,5} = 0$	$T_{33,6} = 0$	$T_{33,7} = 0$
$T_{33,8} = 0$	$T_{33,9} = 0$	$T_{33,10} = 0$
$T_{33,11} = 0$	$T_{33,12} = 0$	$T_{33,13} = 0$
$T_{33,14} = 0$	$T_{33,15} = 0$	$T_{33,16} = 0$
$T_{33,17} = 0$	$T_{33,18} = 0$	$T_{33,19} = 0$
$T_{33,20} = 0$	$T_{33,21} = 0$	$T_{33,22} = 0$
$T_{33,23} = 0$	$T_{33,24} = 0$	$T_{33,25} = 0$
$T_{33,26} = 0$	$T_{33,27} = 0$	$T_{33,28} = 0$
$T_{33,29} = 0$	$T_{33,30} = wx^2y$	$T_{33,31} = 0$
$T_{33,32} = wx^2y$	$T_{33,33} = 0$	$T_{33,34} = 0$
$T_{33,35} = 0$	$T_{33,36} = w^2x^2yz^{-2}$	$T_{33,37} = y$
$T_{33,38} = 0$	$T_{33,39} = 2wx^2y$	$T_{33,40} = 2y$
$T_{34,1} = 0$	$T_{34,2} = 0$	$T_{34,3} = 0$
$T_{34,4} = 0$	$T_{34,5} = 0$	$T_{34,6} = 0$
$T_{34,7} = 0$	$T_{34,8} = 0$	$T_{34,9} = 0$
$T_{34,10} = 0$	$T_{34,11} = 0$	$T_{34,12} = 0$
$T_{34,13} = 0$	$T_{34,14} = 0$	$T_{34,15} = 0$
$T_{34,16} = 0$	$T_{34,17} = 0$	$T_{34,18} = 0$
$T_{34,19} = 0$	$T_{34,20} = 0$	$T_{34,21} = 0$
$T_{34,22} = 0$	$T_{34,23} = 0$	$T_{34,24} = 0$
$T_{34,25} = 0$	$T_{34,26} = 0$	$T_{34,27} = 0$
$T_{34,28} = 0$	$T_{34,29} = 0$	$T_{34,30} = wx^2yz$
$T_{34,31} = 0$	$T_{34,32} = wx^2y$	$T_{34,33} = 0$
$T_{34,34} = 0$	$T_{34,35} = 0$	$T_{34,36} = w^2x^2yz^{-1}$
$T_{34,37} = y$	$T_{34,38} = 0$	$T_{34,39} = wx^2yz + wx^2y$
$T_{34,40} = 2y$	$T_{35,1} = 0$	$T_{35,2} = 0$
$T_{35,3} = 0$	$T_{35,4} = 0$	$T_{35,5} = 0$

$T_{35,6} = 0$	$T_{35,7} = 0$	$T_{35,8} = 0$
$T_{35,9} = 0$	$T_{35,10} = 0$	$T_{35,11} = 0$
$T_{35,12} = 0$	$T_{35,13} = 0$	$T_{35,14} = 0$
$T_{35,15} = 0$	$T_{35,16} = 0$	$T_{35,17} = 0$
$T_{35,18} = 0$	$T_{35,19} = 0$	$T_{35,20} = 0$
$T_{35,21} = 0$	$T_{35,22} = 0$	$T_{35,23} = 0$
$T_{35,24} = 0$	$T_{35,25} = 0$	$T_{35,26} = 0$
$T_{35,27} = 0$	$T_{35,28} = 0$	$T_{35,29} = 0$
$T_{35,30} = wx^2y$	$T_{35,31} = 0$	$T_{35,32} = wx^2yz$
$T_{35,33} = 0$	$T_{35,34} = 0$	$T_{35,35} = 0$
$T_{35,36} = w^2x^2yz^{-1}$	$T_{35,37} = y$	$T_{35,38} = 0$
$T_{35,39} = wx^2y + wx^2yz$	$T_{35,40} = 2y$	$T_{36,1} = 0$
$T_{36,2} = 0$	$T_{36,3} = 0$	$T_{36,4} = 0$
$T_{36,5} = 0$	$T_{36,6} = 0$	$T_{36,7} = 0$
$T_{36,8} = 0$	$T_{36,9} = 0$	$T_{36,10} = 0$
$T_{36,11} = 0$	$T_{36,12} = 0$	$T_{36,13} = 0$
$T_{36,14} = 0$	$T_{36,15} = 0$	$T_{36,16} = 0$
$T_{36,17} = 0$	$T_{36,18} = 0$	$T_{36,19} = 0$
$T_{36,20} = 0$	$T_{36,21} = 0$	$T_{36,22} = 0$
$T_{36,23} = 0$	$T_{36,24} = 0$	$T_{36,25} = 0$
$T_{36,26} = 0$	$T_{36,27} = 0$	$T_{36,28} = 0$
$T_{36,29} = 0$	$T_{36,30} = wx^2yz$	$T_{36,31} = 0$
$T_{36,32} = wx^2yz$	$T_{36,33} = 0$	$T_{36,34} = 0$
$T_{36,35} = 0$	$T_{36,36} = w^2x^2y$	$T_{36,37} = y$
$T_{36,38} = 0$	$T_{36,39} = 2wx^2yz$	$T_{36,40} = 2y$
$T_{37,1} = 0$	$T_{37,2} = 0$	$T_{37,3} = 0$
$T_{37,4} = 0$	$T_{37,5} = 0$	$T_{37,6} = 0$
$T_{37,7} = 0$	$T_{37,8} = 0$	$T_{37,9} = 0$
$T_{37,10} = 0$	$T_{37,11} = 0$	$T_{37,12} = 0$
$T_{37,13} = 0$	$T_{37,14} = 0$	$T_{37,15} = 0$
$T_{37,16} = 0$	$T_{37,17} = 0$	$T_{37,18} = 0$
$T_{37,19} = 0$	$T_{37,20} = 0$	$T_{37,21} = 0$
$T_{37,22} = 0$	$T_{37,23} = 0$	$T_{37,24} = 0$
$T_{37,25} = 0$	$T_{37,26} = 0$	$T_{37,27} = 0$
$T_{37,28} = 0$	$T_{37,29} = wx^4y\zeta$	$T_{37,30} = 0$
$T_{37,31} = wx^4y\zeta$	$T_{37,32} = 0$	$T_{37,33} = w^2x^6yz^2\zeta$
$T_{37,34} = 0$	$T_{37,35} = 0$	$T_{37,36} = 0$
$T_{37,37} = y$	$T_{37,38} = 0$	$T_{37,39} = 0$
$T_{37,40} = 0$	$T_{38,1} = 0$	$T_{38,2} = 0$
$T_{38,3} = 0$	$T_{38,4} = 0$	$T_{38,5} = 0$
$T_{38,6} = 0$	$T_{38,7} = 0$	$T_{38,8} = 0$
$T_{38,9} = 0$	$T_{38,10} = 0$	$T_{38,11} = 0$
$T_{38,12} = 0$	$T_{38,13} = 0$	$T_{38,14} = 0$
$T_{38,15} = 0$	$T_{38,16} = 0$	$T_{38,17} = 0$
$T_{38,18} = 0$	$T_{38,19} = 0$	$T_{38,20} = 0$
$T_{38,21} = 0$	$T_{38,22} = 0$	$T_{38,23} = 0$
$T_{38,24} = 0$	$T_{38,25} = 0$	$T_{38,26} = 0$
$T_{38,27} = 0$	$T_{38,28} = 0$	$T_{38,29} = 0$
$T_{38,30} = 0$	$T_{38,31} = 0$	$T_{38,32} = 0$
$T_{38,33} = 0$	$T_{38,34} = 0$	$T_{38,35} = 0$
$T_{38,36} = 0$	$T_{38,37} = 0$	$T_{38,38} = 0$
$T_{38,39} = wx^2yz^2$	$T_{38,40} = y$	$T_{39,1} = 0$
$T_{39,2} = 0$	$T_{39,3} = 0$	$T_{39,4} = 0$
$T_{39,5} = 0$	$T_{39,6} = 0$	$T_{39,7} = 0$
$T_{39,8} = 0$	$T_{39,9} = 0$	$T_{39,10} = 0$
$T_{39,11} = 0$	$T_{39,12} = 0$	$T_{39,13} = 0$
$T_{39,14} = 0$	$T_{39,15} = 0$	$T_{39,16} = 0$

$T_{39,17} = 0$	$T_{39,18} = 0$	$T_{39,19} = 0$
$T_{39,20} = 0$	$T_{39,21} = 0$	$T_{39,22} = 0$
$T_{39,23} = 0$	$T_{39,24} = 0$	$T_{39,25} = 0$
$T_{39,26} = 0$	$T_{39,27} = 0$	$T_{39,28} = 0$
$T_{39,29} = 0$	$T_{39,30} = 0$	$T_{39,31} = 0$
$T_{39,32} = 0$	$T_{39,33} = 0$	$T_{39,34} = 0$
$T_{39,35} = 0$	$T_{39,36} = 0$	$T_{39,37} = 0$
$T_{39,38} = 0$	$T_{39,39} = wx^2y$	$T_{39,40} = y$
$T_{40,1} = 0$	$T_{40,2} = 0$	$T_{40,3} = 0$
$T_{40,4} = 0$	$T_{40,5} = 0$	$T_{40,6} = 0$
$T_{40,7} = 0$	$T_{40,8} = 0$	$T_{40,9} = 0$
$T_{40,10} = 0$	$T_{40,11} = 0$	$T_{40,12} = 0$
$T_{40,13} = 0$	$T_{40,14} = 0$	$T_{40,15} = 0$
$T_{40,16} = 0$	$T_{40,17} = 0$	$T_{40,18} = 0$
$T_{40,19} = 0$	$T_{40,20} = 0$	$T_{40,21} = 0$
$T_{40,22} = 0$	$T_{40,23} = 0$	$T_{40,24} = 0$
$T_{40,25} = 0$	$T_{40,26} = 0$	$T_{40,27} = 0$
$T_{40,28} = 0$	$T_{40,29} = 0$	$T_{40,30} = 0$
$T_{40,31} = 0$	$T_{40,32} = 0$	$T_{40,33} = 0$
$T_{40,34} = 0$	$T_{40,35} = 0$	$T_{40,36} = 0$
$T_{40,37} = 0$	$T_{40,38} = wx^4y\zeta$	$T_{40,39} = 0$
$T_{40,40} = y$		

TABLE 0.2: Matrice  $\mathcal{M}_{F3}$ .

Matrice  $\mathcal{M}_3$

En suivant l'ordre de numérotation, dans le tableau ??, des états de  $\mathcal{A}_3$  nous avons la matrice  $\mathcal{M}_3$  telle que présentée dans le tableau ??.

$e_1 = (100, 000, \{\{0\}\})$	$e_2 = (100, 100, \{\{0\}\})$	$e_3 = (010, 000, \{\{0\}\})$
$e_4 = (010, 010, \{\{0\}\})$	$e_5 = (001, 000, \{\{0\}\})$	$e_6 = (001, 001, \{\{0\}\})$
$e_7 = (110, 110, \{\{0\}\})$	$e_8 = (110, 210, \{\{0\}\})$	$e_9 = (110, 120, \{\{0\}\})$
$e_{10} = (110, 220, \{\{0\}\})$	$e_{11} = (101, 000, \{\{0\}, \{1\}\})$	
$e_{12} = (101, 101, \{\{0\}, \{1\}\})$	$e_{13} = (101, 100, \{\{0\}, \{1\}\})$	
$e_{14} = (101, 001, \{\{0\}, \{1\}\})$	$e_{15} = (101, 101, \{\{0\}, \{1\}\})$	
$e_{16} = (011, 011, \{\{0\}\})$	$e_{17} = (011, 021, \{\{0\}\})$	$e_{18} = (011, 012, \{\{0\}\})$
$e_{19} = (011, 022, \{\{0\}\})$	$e_{20} = (111, 121, \{\{0\}\})$	$e_{21} = (111, 221, \{\{0\}\})$
$e_{22} = (111, 122, \{\{0\}\})$	$e_{23} = (111, 222, \{\{0\}\})$	$e_{24} = (111, 131, \{\{0\}\})$
$e_{25} = (111, 231, \{\{0\}\})$	$e_{26} = (111, 132, \{\{0\}\})$	$e_{27} = (111, 232, \{\{0\}\})$
	$e_{28} = (10, 00, \{\{0\}\})$	$e_{29} = (10, 10, \{\{0\}\})$
$e_{30} = (01, 00, \{\{0\}\})$	$e_{31} = (01, 01, \{\{0\}\})$	$e_{32} = (11, 11, \{\{0\}\})$

$e_{33} = (11, 21, \{\{0\}\})$	$e_{34} = (11, 12, \{\{0\}\})$	$e_{35} = (11, 22, \{\{0\}\})$
$e_{36} = (1, 0, \{\{0\}\})$	$e_{37} = (1, 1, \{\{0\}\})$	

TABLE 0.3: Les états de  $\mathcal{A}_3$ .

$T_{1,1} = 0$	$T_{1,2} = yz^2wx^2$	$T_{1,3} = 0$
$T_{1,4} = 0$	$T_{1,5} = 0$	$T_{1,6} = 0$
$T_{1,7} = 0$	$T_{1,8} = yz^2w^2x^4$	$T_{1,9} = 0$
$T_{1,10} = 0$	$T_{1,11} = 0$	$T_{1,12} = 0$
$T_{1,13} = yz^2w^2x^6$	$T_{1,14} = 0$	$T_{1,15} = 0$
$T_{1,16} = 0$	$T_{1,17} = 0$	$T_{1,18} = 0$
$T_{1,19} = 0$	$T_{1,20} = 0$	$T_{1,21} = yz^2w^3x^6$
$T_{1,22} = 0$	$T_{1,23} = 0$	$T_{1,24} = 0$
$T_{1,25} = 0$	$T_{1,26} = 0$	$T_{1,27} = 0$
$T_{1,28} = 0$	$T_{1,29} = 0$	$T_{1,30} = 0$
$T_{1,31} = 0$	$T_{1,32} = 0$	$T_{1,33} = 0$
$T_{1,34} = 0$	$T_{1,35} = 0$	$T_{1,36} = 0$
$T_{1,37} = 0$	$T_{2,1} = 0$	$T_{2,2} = ywx^2$
$T_{2,3} = 0$	$T_{2,4} = 0$	$T_{2,5} = 0$
$T_{2,6} = 0$	$T_{2,7} = 0$	$T_{2,8} = yw^2x^4$
$T_{2,9} = 0$	$T_{2,10} = 0$	$T_{2,11} = 0$
$T_{2,12} = 0$	$T_{2,13} = yw^2x^6$	$T_{2,14} = 0$
$T_{2,15} = 0$	$T_{2,16} = 0$	$T_{2,17} = 0$
$T_{2,18} = 0$	$T_{2,19} = 0$	$T_{2,20} = 0$
$T_{2,21} = yw^3x^6$	$T_{2,22} = 0$	$T_{2,23} = 0$
$T_{2,24} = 0$	$T_{2,25} = 0$	$T_{2,26} = 0$
$T_{2,27} = 0$	$T_{2,28} = 0$	$T_{2,29} = 0$
$T_{2,30} = 0$	$T_{2,31} = 0$	$T_{2,32} = 0$
$T_{2,33} = 0$	$T_{2,34} = 0$	$T_{2,35} = 0$
$T_{2,36} = 0$	$T_{2,37} = 0$	$T_{3,1} = 0$
$T_{3,2} = 0$	$T_{3,3} = 0$	$T_{3,4} = yz^2wx^2$
$T_{3,5} = 0$	$T_{3,6} = 0$	$T_{3,7} = 0$
$T_{3,8} = 0$	$T_{3,9} = yz^2w^2x^4$	$T_{3,10} = 0$
$T_{3,11} = 0$	$T_{3,12} = 0$	$T_{3,13} = 0$
$T_{3,14} = 0$	$T_{3,15} = 0$	$T_{3,16} = 0$
$T_{3,17} = yz^2w^2x^4$	$T_{3,18} = 0$	$T_{3,19} = 0$
$T_{3,20} = 0$	$T_{3,21} = 0$	$T_{3,22} = 0$
$T_{3,23} = 0$	$T_{3,24} = yz^3w^3x^6$	$T_{3,25} = 0$
$T_{3,26} = 0$	$T_{3,27} = 0$	$T_{3,28} = 0$
$T_{3,29} = 0$	$T_{3,30} = 0$	$T_{3,31} = 0$
$T_{3,32} = 0$	$T_{3,33} = 0$	$T_{3,34} = 0$
$T_{3,35} = 0$	$T_{3,36} = 0$	$T_{3,37} = 0$
$T_{4,1} = 0$	$T_{4,2} = 0$	$T_{4,3} = 0$
$T_{4,4} = ywx^2$	$T_{4,5} = 0$	$T_{4,6} = 0$
$T_{4,7} = 0$	$T_{4,8} = 0$	$T_{4,9} = yw^2x^4$
$T_{4,10} = 0$	$T_{4,11} = 0$	$T_{4,12} = 0$
$T_{4,13} = 0$	$T_{4,14} = 0$	$T_{4,15} = 0$
$T_{4,16} = 0$	$T_{4,17} = yw^2x^4$	$T_{4,18} = 0$
$T_{4,19} = 0$	$T_{4,20} = 0$	$T_{4,21} = 0$
$T_{4,22} = 0$	$T_{4,23} = 0$	$T_{4,24} = yzw^3x^6$
$T_{4,25} = 0$	$T_{4,26} = 0$	$T_{4,27} = 0$
$T_{4,28} = 0$	$T_{4,29} = 0$	$T_{4,30} = 0$
$T_{4,31} = 0$	$T_{4,32} = 0$	$T_{4,33} = 0$

$T_{4,34} = 0$	$T_{4,35} = 0$	$T_{4,36} = 0$
$T_{4,37} = 0$	$T_{5,1} = 0$	$T_{5,2} = 0$
$T_{5,3} = 0$	$T_{5,4} = 0$	$T_{5,5} = 0$
$T_{5,6} = yz^2wx^2$	$T_{5,7} = 0$	$T_{5,8} = 0$
$T_{5,9} = 0$	$T_{5,10} = 0$	$T_{5,11} = 0$
$T_{5,12} = 0$	$T_{5,13} = 0$	$T_{5,14} = yz^2w^2x^6$
$T_{5,15} = 0$	$T_{5,16} = 0$	$T_{5,17} = 0$
$T_{5,18} = yz^2w^2x^4$	$T_{5,19} = 0$	$T_{5,20} = 0$
$T_{5,21} = 0$	$T_{5,22} = yz^2w^3x^6$	$T_{5,23} = 0$
$T_{5,24} = 0$	$T_{5,25} = 0$	$T_{5,26} = 0$
$T_{5,27} = 0$	$T_{5,28} = 0$	$T_{5,29} = 0$
$T_{5,30} = 0$	$T_{5,31} = 0$	$T_{5,32} = 0$
$T_{5,33} = 0$	$T_{5,34} = 0$	$T_{5,35} = 0$
$T_{5,36} = 0$	$T_{5,37} = 0$	$T_{6,1} = 0$
$T_{6,2} = 0$	$T_{6,3} = 0$	$T_{6,4} = 0$
$T_{6,5} = 0$	$T_{6,6} = ywx^2$	$T_{6,7} = 0$
$T_{6,8} = 0$	$T_{6,9} = 0$	$T_{6,10} = 0$
$T_{6,11} = 0$	$T_{6,12} = 0$	$T_{6,13} = 0$
$T_{6,14} = yw^2x^6$	$T_{6,15} = 0$	$T_{6,16} = 0$
$T_{6,17} = 0$	$T_{6,18} = yw^2x^4$	$T_{6,19} = 0$
$T_{6,20} = 0$	$T_{6,21} = 0$	$T_{6,22} = yw^3x^6$
$T_{6,23} = 0$	$T_{6,24} = 0$	$T_{6,25} = 0$
$T_{6,26} = 0$	$T_{6,27} = 0$	$T_{6,28} = 0$
$T_{6,29} = 0$	$T_{6,30} = 0$	$T_{6,31} = 0$
$T_{6,32} = 0$	$T_{6,33} = 0$	$T_{6,34} = 0$
$T_{6,35} = 0$	$T_{6,36} = 0$	$T_{6,37} = 0$
$T_{7,1} = 0$	$T_{7,2} = ywx^2$	$T_{7,3} = 0$
$T_{7,4} = ywx^2$	$T_{7,5} = 0$	$T_{7,6} = 0$
$T_{7,7} = 0$	$T_{7,8} = 0$	$T_{7,9} = 0$
$T_{7,10} = yz^{-2}w^2x^2$	$T_{7,11} = 0$	$T_{7,12} = 0$
$T_{7,13} = yw^2x^6$	$T_{7,14} = 0$	$T_{7,15} = 0$
$T_{7,16} = 0$	$T_{7,17} = yw^2x^4$	$T_{7,18} = 0$
$T_{7,19} = 0$	$T_{7,20} = 0$	$T_{7,21} = 0$
$T_{7,22} = 0$	$T_{7,23} = 0$	$T_{7,24} = 0$
$T_{7,25} = yz^{-1}w^3x^4$	$T_{7,26} = 0$	$T_{7,27} = 0$
$T_{7,28} = 0$	$T_{7,29} = ywx^2$	$T_{7,30} = 0$
$T_{7,31} = 0$	$T_{7,32} = 0$	$T_{7,33} = yw^2x^4$
$T_{7,34} = 0$	$T_{7,35} = 0$	$T_{7,36} = 0$
$T_{7,37} = 0$	$T_{8,1} = 0$	$T_{8,2} = yzwx^2$
$T_{8,3} = 0$	$T_{8,4} = ywx^2$	$T_{8,5} = 0$
$T_{8,6} = 0$	$T_{8,7} = 0$	$T_{8,8} = 0$
$T_{8,9} = 0$	$T_{8,10} = yz^{-1}w^2x^2$	$T_{8,11} = 0$
$T_{8,12} = 0$	$T_{8,13} = yzw^2x^6$	$T_{8,14} = 0$
$T_{8,15} = 0$	$T_{8,16} = 0$	$T_{8,17} = yw^2x^4$
$T_{8,18} = 0$	$T_{8,19} = 0$	$T_{8,20} = 0$
$T_{8,21} = 0$	$T_{8,22} = 0$	$T_{8,23} = 0$
$T_{8,24} = 0$	$T_{8,25} = yw^3x^4$	$T_{8,26} = 0$
$T_{8,27} = 0$	$T_{8,28} = 0$	$T_{8,29} = ywx^2$
$T_{8,30} = 0$	$T_{8,31} = 0$	$T_{8,32} = 0$
$T_{8,33} = yw^2x^4$	$T_{8,34} = 0$	$T_{8,35} = 0$
$T_{8,36} = 0$	$T_{8,37} = 0$	$T_{9,1} = 0$
$T_{9,2} = ywx^2$	$T_{9,3} = 0$	$T_{9,4} = yzwx^2$
$T_{9,5} = 0$	$T_{9,6} = 0$	$T_{9,7} = 0$
$T_{9,8} = 0$	$T_{9,9} = 0$	$T_{9,10} = yz^{-1}w^2x^2$
$T_{9,11} = 0$	$T_{9,12} = 0$	$T_{9,13} = yw^2x^6$
$T_{9,14} = 0$	$T_{9,15} = 0$	$T_{9,16} = 0$
$T_{9,17} = yzw^2x^4$	$T_{9,18} = 0$	$T_{9,19} = 0$

$T_{9,20} = 0$	$T_{9,21} = 0$	$T_{9,22} = 0$
$T_{9,23} = 0$	$T_{9,24} = 0$	$T_{9,25} = yw^3x^4$
$T_{9,26} = 0$	$T_{9,27} = 0$	$T_{9,28} = 0$
$T_{9,29} = yzw^2x^2$	$T_{9,30} = 0$	$T_{9,31} = 0$
$T_{9,32} = 0$	$T_{9,33} = yzw^2x^4$	$T_{9,34} = 0$
$T_{9,35} = 0$	$T_{9,36} = 0$	$T_{9,37} = 0$
$T_{10,1} = 0$	$T_{10,2} = yzw^2x^2$	$T_{10,3} = 0$
$T_{10,4} = yzw^2x^2$	$T_{10,5} = 0$	$T_{10,6} = 0$
$T_{10,7} = 0$	$T_{10,8} = 0$	$T_{10,9} = 0$
$T_{10,10} = yw^2x^2$	$T_{10,11} = 0$	$T_{10,12} = 0$
$T_{10,13} = yzw^2x^6$	$T_{10,14} = 0$	$T_{10,15} = 0$
$T_{10,16} = 0$	$T_{10,17} = yzw^2x^4$	$T_{10,18} = 0$
$T_{10,19} = 0$	$T_{10,20} = 0$	$T_{10,21} = 0$
$T_{10,22} = 0$	$T_{10,23} = 0$	$T_{10,24} = 0$
$T_{10,25} = yzw^3x^4$	$T_{10,26} = 0$	$T_{10,27} = 0$
$T_{10,28} = 0$	$T_{10,29} = yzw^2x^2$	$T_{10,30} = 0$
$T_{10,31} = 0$	$T_{10,32} = 0$	$T_{10,33} = yzw^2x^4$
$T_{10,34} = 0$	$T_{10,35} = 0$	$T_{10,36} = 0$
$T_{10,37} = 0$	$T_{11,1} = 0$	$T_{11,2} = 0$
$T_{11,3} = 0$	$T_{11,4} = 0$	$T_{11,5} = 0$
$T_{11,6} = 0$	$T_{11,7} = 0$	$T_{11,8} = 0$
$T_{11,9} = 0$	$T_{11,10} = 0$	$T_{11,11} = 0$
$T_{11,12} = yz^4w^2x^4$	$T_{11,13} = 0$	$T_{11,14} = 0$
$T_{11,15} = 0$	$T_{11,16} = 0$	$T_{11,17} = 0$
$T_{11,18} = 0$	$T_{11,19} = 0$	$T_{11,20} = 0$
$T_{11,21} = 0$	$T_{11,22} = 0$	$T_{11,23} = yz^2w^3x^4$
$T_{11,24} = 0$	$T_{11,25} = 0$	$T_{11,26} = 0$
$T_{11,27} = 0$	$T_{11,28} = 0$	$T_{11,29} = 0$
$T_{11,30} = 0$	$T_{11,31} = 0$	$T_{11,32} = 0$
$T_{11,33} = 0$	$T_{11,34} = 0$	$T_{11,35} = 0$
$T_{11,36} = 0$	$T_{11,37} = 0$	$T_{12,1} = 0$
$T_{12,2} = 0$	$T_{12,3} = 0$	$T_{12,4} = 0$
$T_{12,5} = 0$	$T_{12,6} = 0$	$T_{12,7} = 0$
$T_{12,8} = 0$	$T_{12,9} = 0$	$T_{12,10} = 0$
$T_{12,11} = 0$	$T_{12,12} = yw^2x^4$	$T_{12,13} = 0$
$T_{12,14} = 0$	$T_{12,15} = 0$	$T_{12,16} = 0$
$T_{12,17} = 0$	$T_{12,18} = 0$	$T_{12,19} = 0$
$T_{12,20} = 0$	$T_{12,21} = 0$	$T_{12,22} = 0$
$T_{12,23} = yz^{-2}w^3x^4$	$T_{12,24} = 0$	$T_{12,25} = 0$
$T_{12,26} = 0$	$T_{12,27} = 0$	$T_{12,28} = 0$
$T_{12,29} = 0$	$T_{12,30} = 0$	$T_{12,31} = 0$
$T_{12,32} = 0$	$T_{12,33} = 0$	$T_{12,34} = 0$
$T_{12,35} = 0$	$T_{12,36} = 0$	$T_{12,37} = 0$
$T_{13,1} = 0$	$T_{13,2} = 0$	$T_{13,3} = 0$
$T_{13,4} = 0$	$T_{13,5} = 0$	$T_{13,6} = 0$
$T_{13,7} = 0$	$T_{13,8} = 0$	$T_{13,9} = 0$
$T_{13,10} = 0$	$T_{13,11} = 0$	$T_{13,12} = yz^2w^2x^4$
$T_{13,13} = 0$	$T_{13,14} = 0$	$T_{13,15} = 0$
$T_{13,16} = 0$	$T_{13,17} = 0$	$T_{13,18} = 0$
$T_{13,19} = 0$	$T_{13,20} = 0$	$T_{13,21} = 0$
$T_{13,22} = 0$	$T_{13,23} = yzw^3x^4$	$T_{13,24} = 0$
$T_{13,25} = 0$	$T_{13,26} = 0$	$T_{13,27} = 0$
$T_{13,28} = 0$	$T_{13,29} = 0$	$T_{13,30} = 0$
$T_{13,31} = 0$	$T_{13,32} = 0$	$T_{13,33} = 0$
$T_{13,34} = 0$	$T_{13,35} = 0$	$T_{13,36} = 0$
$T_{13,37} = 0$	$T_{14,1} = 0$	$T_{14,2} = 0$
$T_{14,3} = 0$	$T_{14,4} = 0$	$T_{14,5} = 0$

$T_{14,6} = 0$	$T_{14,7} = 0$	$T_{14,8} = 0$
$T_{14,9} = 0$	$T_{14,10} = 0$	$T_{14,11} = 0$
$T_{14,12} = yz^2w^2x^4$	$T_{14,13} = 0$	$T_{14,14} = 0$
$T_{14,15} = 0$	$T_{14,16} = 0$	$T_{14,17} = 0$
$T_{14,18} = 0$	$T_{14,19} = 0$	$T_{14,20} = 0$
$T_{14,21} = 0$	$T_{14,22} = 0$	$T_{14,23} = yw^3x^4$
$T_{14,24} = 0$	$T_{14,25} = 0$	$T_{14,26} = 0$
$T_{14,27} = 0$	$T_{14,28} = 0$	$T_{14,29} = 0$
$T_{14,30} = 0$	$T_{14,31} = 0$	$T_{14,32} = 0$
$T_{14,33} = 0$	$T_{14,34} = 0$	$T_{14,35} = 0$
$T_{14,36} = 0$	$T_{14,37} = 0$	$T_{15,1} = 0$
$T_{15,2} = ywx^2$	$T_{15,3} = 0$	$T_{15,4} = 0$
$T_{15,5} = 0$	$T_{15,6} = ywx^2$	$T_{15,7} = 0$
$T_{15,8} = yw^2x^4$	$T_{15,9} = 0$	$T_{15,10} = 0$
$T_{15,11} = 0$	$T_{15,12} = 0$	$T_{15,13} = 0$
$T_{15,14} = 0$	$T_{15,15} = yw^2x^4$	$T_{15,16} = 0$
$T_{15,17} = 0$	$T_{15,18} = yw^2x^4$	$T_{15,19} = 0$
$T_{15,20} = 0$	$T_{15,21} = 0$	$T_{15,22} = 0$
$T_{15,23} = yz^{-2}w^3x^4$	$T_{15,24} = 0$	$T_{15,25} = 0$
$T_{15,26} = 0$	$T_{15,27} = 0$	$T_{15,28} = 0$
$T_{15,29} = ywx^2$	$T_{15,30} = 0$	$T_{15,31} = ywx^2$
$T_{15,32} = 0$	$T_{15,33} = yw^2x^4$	$T_{15,34} = yw^2x^4$
$T_{15,35} = 0$	$T_{15,36} = 0$	$T_{15,37} = 2ywx^2$
$T_{16,1} = 0$	$T_{16,2} = 0$	$T_{16,3} = 0$
$T_{16,4} = ywx^2$	$T_{16,5} = 0$	$T_{16,6} = ywx^2$
$T_{16,7} = 0$	$T_{16,8} = 0$	$T_{16,9} = yw^2x^4$
$T_{16,10} = 0$	$T_{16,11} = 0$	$T_{16,12} = 0$
$T_{16,13} = 0$	$T_{16,14} = yw^2x^6$	$T_{16,15} = 0$
$T_{16,16} = 0$	$T_{16,17} = 0$	$T_{16,18} = 0$
$T_{16,19} = yz^{-2}w^2x^2$	$T_{16,20} = 0$	$T_{16,21} = 0$
$T_{16,22} = 0$	$T_{16,23} = 0$	$T_{16,24} = 0$
$T_{16,25} = 0$	$T_{16,26} = yz^{-1}w^3x^4$	$T_{16,27} = 0$
$T_{16,28} = 0$	$T_{16,29} = 0$	$T_{16,30} = 0$
$T_{16,31} = ywx^2$	$T_{16,32} = 0$	$T_{16,33} = 0$
$T_{16,34} = yw^2x^4$	$T_{16,35} = 0$	$T_{16,36} = 0$
$T_{16,37} = 0$	$T_{17,1} = 0$	$T_{17,2} = 0$
$T_{17,3} = 0$	$T_{17,4} = yzwx^2$	$T_{17,5} = 0$
$T_{17,6} = ywx^2$	$T_{17,7} = 0$	$T_{17,8} = 0$
$T_{17,9} = yzw^2x^4$	$T_{17,10} = 0$	$T_{17,11} = 0$
$T_{17,12} = 0$	$T_{17,13} = 0$	$T_{17,14} = yw^2x^6$
$T_{17,15} = 0$	$T_{17,16} = 0$	$T_{17,17} = 0$
$T_{17,18} = 0$	$T_{17,19} = yz^{-1}w^2x^2$	$T_{17,20} = 0$
$T_{17,21} = 0$	$T_{17,22} = 0$	$T_{17,23} = 0$
$T_{17,24} = 0$	$T_{17,25} = 0$	$T_{17,26} = yw^3x^4$
$T_{17,27} = 0$	$T_{17,28} = 0$	$T_{17,29} = 0$
$T_{17,30} = 0$	$T_{17,31} = yzwx^2$	$T_{17,32} = 0$
$T_{17,33} = 0$	$T_{17,34} = yzw^2x^4$	$T_{17,35} = 0$
$T_{17,36} = 0$	$T_{17,37} = 0$	$T_{18,1} = 0$
$T_{18,2} = 0$	$T_{18,3} = 0$	$T_{18,4} = ywx^2$
$T_{18,5} = 0$	$T_{18,6} = yzwx^2$	$T_{18,7} = 0$
$T_{18,8} = 0$	$T_{18,9} = yw^2x^4$	$T_{18,10} = 0$
$T_{18,11} = 0$	$T_{18,12} = 0$	$T_{18,13} = 0$
$T_{18,14} = yzw^2x^6$	$T_{18,15} = 0$	$T_{18,16} = 0$
$T_{18,17} = 0$	$T_{18,18} = 0$	$T_{18,19} = yz^{-1}w^2x^2$
$T_{18,20} = 0$	$T_{18,21} = 0$	$T_{18,22} = 0$
$T_{18,23} = 0$	$T_{18,24} = 0$	$T_{18,25} = 0$
$T_{18,26} = yw^3x^4$	$T_{18,27} = 0$	$T_{18,28} = 0$

	$T_{18,29} = 0$	$T_{18,30} = 0$	$T_{18,31} = ywx^2$
	$T_{18,32} = 0$	$T_{18,33} = 0$	$T_{18,34} = yw^2x^4$
	$T_{18,35} = 0$	$T_{18,36} = 0$	$T_{18,37} = 0$
	$T_{19,1} = 0$	$T_{19,2} = 0$	$T_{19,3} = 0$
	$T_{19,4} = yzwx^2$	$T_{19,5} = 0$	$T_{19,6} = yzwx^2$
	$T_{19,7} = 0$	$T_{19,8} = 0$	$T_{19,9} = yzw^2x^4$
	$T_{19,10} = 0$	$T_{19,11} = 0$	$T_{19,12} = 0$
	$T_{19,13} = 0$	$T_{19,14} = yzw^2x^6$	$T_{19,15} = 0$
	$T_{19,16} = 0$	$T_{19,17} = 0$	$T_{19,18} = 0$
	$T_{19,19} = yw^2x^2$	$T_{19,20} = 0$	$T_{19,21} = 0$
	$T_{19,22} = 0$	$T_{19,23} = 0$	$T_{19,24} = 0$
	$T_{19,25} = 0$	$T_{19,26} = yzw^3x^4$	$T_{19,27} = 0$
	$T_{19,28} = 0$	$T_{19,29} = 0$	$T_{19,30} = 0$
	$T_{19,31} = yzwx^2$	$T_{19,32} = 0$	$T_{19,33} = 0$
	$T_{19,34} = yzw^2x^4$	$T_{19,35} = 0$	$T_{19,36} = 0$
	$T_{19,37} = 0$	$T_{20,1} = 0$	$T_{20,2} = ywx^2$
	$T_{20,3} = 0$	$T_{20,4} = yzwx^2$	$T_{20,5} = 0$
	$T_{20,6} = ywx^2$	$T_{20,7} = 0$	$T_{20,8} = 0$
	$T_{20,9} = 0$	$T_{20,10} = yz^{-1}w^2x^2$	$T_{20,11} = 0$
	$T_{20,12} = 0$	$T_{20,13} = 0$	$T_{20,14} = 0$
	$T_{20,15} = yw^2x^4$	$T_{20,16} = 0$	$T_{20,17} = 0$
	$T_{20,18} = 0$	$T_{20,19} = yz^{-1}w^2x^2$	$T_{20,20} = 0$
	$T_{20,21} = 0$	$T_{20,22} = 0$	$T_{20,23} = 0$
	$T_{20,24} = 0$	$T_{20,25} = 0$	$T_{20,26} = 0$
$T_{20,27} = yz^{-2}w^3x^2$		$T_{20,28} = 0$	$T_{20,29} = yzwx^2 + ywx^2$
$T_{20,30} = 0$	$T_{20,31} = yzwx^2 + ywx^2$		$T_{20,32} = 0$
$T_{20,33} = 0$	$T_{20,34} = 0$		$T_{20,35} = 2yz^{-1}w^2x^2$
$T_{20,36} = 0$	$T_{20,37} = 2yw^2x^2 + yz^{-1}w^2x^2$		$T_{21,1} = 0$
$T_{21,2} = yzwx^2$	$T_{21,3} = 0$		$T_{21,4} = yzwx^2$
$T_{21,5} = 0$	$T_{21,6} = ywx^2$		$T_{21,7} = 0$
$T_{21,8} = 0$	$T_{21,9} = 0$		$T_{21,10} = yw^2x^2$
$T_{21,11} = 0$	$T_{21,12} = 0$		$T_{21,13} = 0$
$T_{21,14} = 0$	$T_{21,15} = yzw^2x^4$		$T_{21,16} = 0$
$T_{21,17} = 0$	$T_{21,18} = 0$		$T_{21,19} = yz^{-1}w^2x^2$
$T_{21,20} = 0$	$T_{21,21} = 0$		$T_{21,22} = 0$
$T_{21,23} = 0$	$T_{21,24} = 0$		$T_{21,25} = 0$
$T_{21,26} = 0$	$T_{21,27} = yz^{-1}w^3x^2$		$T_{21,28} = 0$
$T_{21,29} = 2yzwx^2$	$T_{21,30} = 0$		$T_{21,31} = yzwx^2 + ywx^2$
$T_{21,32} = 0$	$T_{21,33} = 0$		$T_{21,34} = 0$
$T_{21,35} = yw^2x^2 + yz^{-1}w^2x^2$	$T_{21,36} = 0$		$T_{21,37} = 2yzwx^2 + ywx^2$
$T_{22,1} = 0$	$T_{22,2} = ywx^2$		$T_{22,3} = 0$
$T_{22,4} = yzwx^2$	$T_{22,5} = 0$		$T_{22,6} = yzwx^2$
$T_{22,7} = 0$	$T_{22,8} = 0$		$T_{22,9} = 0$
$T_{22,10} = yz^{-1}w^2x^2$	$T_{22,11} = 0$		$T_{22,12} = 0$
$T_{22,13} = 0$	$T_{22,14} = 0$		$T_{22,15} = yzw^2x^4$
$T_{22,16} = 0$	$T_{22,17} = 0$		$T_{22,18} = 0$
$T_{22,19} = yw^2x^2$	$T_{22,20} = 0$		$T_{22,21} = 0$
$T_{22,22} = 0$	$T_{22,23} = 0$		$T_{22,24} = 0$
$T_{22,25} = 0$	$T_{22,26} = 0$		$T_{22,27} = yz^{-1}w^3x^2$
$T_{22,28} = 0$	$T_{22,29} = yzwx^2 + ywx^2$		$T_{22,30} = 0$
$T_{22,31} = 2yzwx^2$	$T_{22,32} = 0$		$T_{22,33} = 0$
$T_{22,34} = 0$	$T_{22,35} = yw^2x^2 + yz^{-1}w^2x^2$		$T_{22,36} = 0$
$T_{22,37} = 2yzwx^2 + ywx^2$	$T_{23,1} = 0$		$T_{23,2} = yzwx^2$
$T_{23,3} = 0$	$T_{23,4} = yzwx^2$		$T_{23,5} = 0$
$T_{23,6} = yzwx^2$	$T_{23,7} = 0$		$T_{23,8} = 0$
$T_{23,9} = 0$	$T_{23,10} = yw^2x^2$		$T_{23,11} = 0$
$T_{23,12} = 0$	$T_{23,13} = 0$		$T_{23,14} = 0$



$T_{23,15} = yz^2w^2x^4$ $T_{23,18} = 0$ $T_{23,21} = 0$ $T_{23,24} = 0$ $T_{23,27} = yw^3x^2$ $T_{23,30} = 0$ $T_{23,33} = 0$ $T_{23,36} = 0$ $T_{24,2} = ywx^2$ $T_{24,5} = 0$ $T_{24,8} = 0$ $T_{24,11} = 0$ $T_{24,14} = 0$ $T_{24,17} = 0$ $T_{24,20} = 0$ $T_{24,23} = 0$ $T_{24,26} = 0$ $T_{24,29} = yzwx^2 + ywx^2$ $T_{24,32} = 0$ $T_{24,35} = 2yz^{-1}w^2x^2$ $T_{25,1} = 0$ $T_{25,4} = yzwx^2$ $T_{25,7} = 0$ $T_{25,10} = yw^2x^2$ $T_{25,13} = 0$ $T_{25,16} = 0$ $T_{25,19} = yz^{-1}w^2x^2$ $T_{25,22} = 0$ $T_{25,25} = 0$ $T_{25,28} = 0$ $T_{25,31} = yzwx^2 + ywx^2$ $T_{25,34} = 0$ $T_{25,37} = 2yzwx^2 + ywx^2$ $T_{26,3} = 0$ $T_{26,6} = yzwx^2$ $T_{26,9} = 0$ $T_{26,12} = 0$ $T_{26,15} = yzw^2x^4$ $T_{26,18} = 0$ $T_{26,21} = 0$ $T_{26,24} = 0$ $T_{26,27} = yz^{-1}w^3x^2$ $T_{26,30} = 0$ $T_{26,33} = 0$ $T_{26,36} = 0$ $T_{27,2} = yzwx^2$ $T_{27,5} = 0$ $T_{27,8} = 0$ $T_{27,11} = 0$ $T_{27,14} = 0$ $T_{27,17} = 0$ $T_{27,20} = 0$ $T_{27,23} = 0$ $T_{27,26} = 0$ $T_{27,29} = 2yzwx^2$ $T_{27,32} = 0$ $T_{27,35} = 2yw^2x^2$	$T_{23,16} = 0$ $T_{23,19} = yw^2x^2$ $T_{23,22} = 0$ $T_{23,25} = 0$ $T_{23,28} = 0$ $T_{23,31} = 2yzwx^2$ $T_{23,34} = 0$ $T_{23,37} = 3yzwx^2$ $T_{24,3} = 0$ $T_{24,6} = ywx^2$ $T_{24,9} = 0$ $T_{24,12} = 0$ $T_{24,15} = yw^2x^4$ $T_{24,18} = 0$ $T_{24,21} = 0$ $T_{24,24} = 0$ $T_{24,27} = yz^{-2}w^3x^2$ $T_{24,30} = 0$ $T_{24,33} = 0$ $T_{24,36} = 0$ $T_{25,2} = yzwx^2$ $T_{25,5} = 0$ $T_{25,8} = 0$ $T_{25,11} = 0$ $T_{25,14} = 0$ $T_{25,17} = 0$ $T_{25,20} = 0$ $T_{25,23} = 0$ $T_{25,26} = 0$ $T_{25,29} = 2yzwx^2$ $T_{25,32} = 0$ $T_{25,35} = yw^2x^2 + yz^{-1}w^2x^2$ $T_{26,1} = 0$ $T_{26,4} = yzwx^2$ $T_{26,7} = 0$ $T_{26,10} = yz^{-1}w^2x^2$ $T_{26,13} = 0$ $T_{26,16} = 0$ $T_{26,19} = yw^2x^2$ $T_{26,22} = 0$ $T_{26,25} = 0$ $T_{26,28} = 0$ $T_{26,31} = 2yzwx^2$ $T_{26,34} = 0$ $T_{26,37} = 2yzwx^2 + ywx^2$ $T_{27,3} = 0$ $T_{27,6} = yzwx^2$ $T_{27,9} = 0$ $T_{27,12} = 0$ $T_{27,15} = yz^2w^2x^4$ $T_{27,18} = 0$ $T_{27,21} = 0$ $T_{27,24} = 0$ $T_{27,27} = yw^3x^2$ $T_{27,30} = 0$ $T_{27,33} = 0$ $T_{27,36} = 0$	$T_{23,17} = 0$ $T_{23,20} = 0$ $T_{23,23} = 0$ $T_{23,26} = 0$ $T_{23,29} = 2yzwx^2$ $T_{23,32} = 0$ $T_{23,35} = 2yw^2x^2$ $T_{24,1} = 0$ $T_{24,4} = yzwx^2$ $T_{24,7} = 0$ $T_{24,10} = yz^{-1}w^2x^2$ $T_{24,13} = 0$ $T_{24,16} = 0$ $T_{24,19} = yz^{-1}w^2x^2$ $T_{24,22} = 0$ $T_{24,25} = 0$ $T_{24,28} = 0$ $T_{24,31} = yzwx^2 + ywx^2$ $T_{24,34} = 0$ $T_{24,37} = yzwx^2 + 2ywx^2$ $T_{25,3} = 0$ $T_{25,6} = ywx^2$ $T_{25,9} = 0$ $T_{25,12} = 0$ $T_{25,15} = yzw^2x^4$ $T_{25,18} = 0$ $T_{25,21} = 0$ $T_{25,24} = 0$ $T_{25,27} = yz^{-1}w^3x^2$ $T_{25,30} = 0$ $T_{25,33} = 0$ $T_{25,36} = 0$ $T_{26,2} = ywx^2$ $T_{26,5} = 0$ $T_{26,8} = 0$ $T_{26,11} = 0$ $T_{26,14} = 0$ $T_{26,17} = 0$ $T_{26,20} = 0$ $T_{26,23} = 0$ $T_{26,26} = 0$ $T_{26,29} = yzwx^2 + ywx^2$ $T_{26,32} = 0$ $T_{26,35} = yw^2x^2 + yz^{-1}w^2x^2$ $T_{27,1} = 0$ $T_{27,4} = yzwx^2$ $T_{27,7} = 0$ $T_{27,10} = yw^2x^2$ $T_{27,13} = 0$ $T_{27,16} = 0$ $T_{27,19} = yw^2x^2$ $T_{27,22} = 0$ $T_{27,25} = 0$ $T_{27,28} = 0$ $T_{27,31} = 2yzwx^2$ $T_{27,34} = 0$ $T_{27,37} = 3yzwx^2$
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$T_{28,1} = 0$	$T_{28,2} = 0$	$T_{28,3} = 0$
$T_{28,4} = 0$	$T_{28,5} = 0$	$T_{28,6} = 0$
$T_{28,7} = 0$	$T_{28,8} = 0$	$T_{28,9} = 0$
$T_{28,10} = 0$	$T_{28,11} = 0$	$T_{28,12} = 0$
$T_{28,13} = 0$	$T_{28,14} = 0$	$T_{28,15} = 0$
$T_{28,16} = 0$	$T_{28,17} = 0$	$T_{28,18} = 0$
$T_{28,19} = 0$	$T_{28,20} = 0$	$T_{28,21} = 0$
$T_{28,22} = 0$	$T_{28,23} = 0$	$T_{28,24} = 0$
$T_{28,25} = 0$	$T_{28,26} = 0$	$T_{28,27} = 0$
$T_{28,28} = 0$	$T_{28,29} = yz^2wx^2$	$T_{28,30} = 0$
$T_{28,31} = 0$	$T_{28,32} = 0$	$T_{28,33} = yz^2w^2x^4$
$T_{28,34} = 0$	$T_{28,35} = 0$	$T_{28,36} = 0$
$T_{28,37} = 0$	$T_{29,1} = 0$	$T_{29,2} = 0$
$T_{29,3} = 0$	$T_{29,4} = 0$	$T_{29,5} = 0$
$T_{29,6} = 0$	$T_{29,7} = 0$	$T_{29,8} = 0$
$T_{29,9} = 0$	$T_{29,10} = 0$	$T_{29,11} = 0$
$T_{29,12} = 0$	$T_{29,13} = 0$	$T_{29,14} = 0$
$T_{29,15} = 0$	$T_{29,16} = 0$	$T_{29,17} = 0$
$T_{29,18} = 0$	$T_{29,19} = 0$	$T_{29,20} = 0$
$T_{29,21} = 0$	$T_{29,22} = 0$	$T_{29,23} = 0$
$T_{29,24} = 0$	$T_{29,25} = 0$	$T_{29,26} = 0$
$T_{29,27} = 0$	$T_{29,28} = 0$	$T_{29,29} = ywx^2$
$T_{29,30} = 0$	$T_{29,31} = 0$	$T_{29,32} = 0$
$T_{29,33} = yw^2x^4$	$T_{29,34} = 0$	$T_{29,35} = 0$
$T_{29,36} = 0$	$T_{29,37} = 0$	$T_{30,1} = 0$
$T_{30,2} = 0$	$T_{30,3} = 0$	$T_{30,4} = 0$
$T_{30,5} = 0$	$T_{30,6} = 0$	$T_{30,7} = 0$
$T_{30,8} = 0$	$T_{30,9} = 0$	$T_{30,10} = 0$
$T_{30,11} = 0$	$T_{30,12} = 0$	$T_{30,13} = 0$
$T_{30,14} = 0$	$T_{30,15} = 0$	$T_{30,16} = 0$
$T_{30,17} = 0$	$T_{30,18} = 0$	$T_{30,19} = 0$
$T_{30,20} = 0$	$T_{30,21} = 0$	$T_{30,22} = 0$
$T_{30,23} = 0$	$T_{30,24} = 0$	$T_{30,25} = 0$
$T_{30,26} = 0$	$T_{30,27} = 0$	$T_{30,28} = 0$
$T_{30,29} = 0$	$T_{30,30} = 0$	$T_{30,31} = yz^2wx^2$
$T_{30,32} = 0$	$T_{30,33} = 0$	$T_{30,34} = yz^2w^2x^4$
$T_{30,35} = 0$	$T_{30,36} = 0$	$T_{30,37} = 0$
$T_{31,1} = 0$	$T_{31,2} = 0$	$T_{31,3} = 0$
$T_{31,4} = 0$	$T_{31,5} = 0$	$T_{31,6} = 0$
$T_{31,7} = 0$	$T_{31,8} = 0$	$T_{31,9} = 0$
$T_{31,10} = 0$	$T_{31,11} = 0$	$T_{31,12} = 0$
$T_{31,13} = 0$	$T_{31,14} = 0$	$T_{31,15} = 0$
$T_{31,16} = 0$	$T_{31,17} = 0$	$T_{31,18} = 0$
$T_{31,19} = 0$	$T_{31,20} = 0$	$T_{31,21} = 0$
$T_{31,22} = 0$	$T_{31,23} = 0$	$T_{31,24} = 0$
$T_{31,25} = 0$	$T_{31,26} = 0$	$T_{31,27} = 0$
$T_{31,28} = 0$	$T_{31,29} = 0$	$T_{31,30} = 0$
$T_{31,31} = ywx^2$	$T_{31,32} = 0$	$T_{31,33} = 0$
$T_{31,34} = yw^2x^4$	$T_{31,35} = 0$	$T_{31,36} = 0$
$T_{31,37} = 0$	$T_{32,1} = 0$	$T_{32,2} = 0$
$T_{32,3} = 0$	$T_{32,4} = 0$	$T_{32,5} = 0$
$T_{32,6} = 0$	$T_{32,7} = 0$	$T_{32,8} = 0$
$T_{32,9} = 0$	$T_{32,10} = 0$	$T_{32,11} = 0$
$T_{32,12} = 0$	$T_{32,13} = 0$	$T_{32,14} = 0$
$T_{32,15} = 0$	$T_{32,16} = 0$	$T_{32,17} = 0$
$T_{32,18} = 0$	$T_{32,19} = 0$	$T_{32,20} = 0$
$T_{32,21} = 0$	$T_{32,22} = 0$	$T_{32,23} = 0$

$T_{32,24} = 0$	$T_{32,25} = 0$	$T_{32,26} = 0$
$T_{32,27} = 0$	$T_{32,28} = 0$	$T_{32,29} = ywx^2$
$T_{32,30} = 0$	$T_{32,31} = ywx^2$	$T_{32,32} = 0$
$T_{32,33} = 0$	$T_{32,34} = 0$	$T_{32,35} = yz^{-2}w^2x^2$
$T_{32,36} = 0$	$T_{32,37} = 2ywx^2$	$T_{33,1} = 0$
$T_{33,2} = 0$	$T_{33,3} = 0$	$T_{33,4} = 0$
$T_{33,5} = 0$	$T_{33,6} = 0$	$T_{33,7} = 0$
$T_{33,8} = 0$	$T_{33,9} = 0$	$T_{33,10} = 0$
$T_{33,11} = 0$	$T_{33,12} = 0$	$T_{33,13} = 0$
$T_{33,14} = 0$	$T_{33,15} = 0$	$T_{33,16} = 0$
$T_{33,17} = 0$	$T_{33,18} = 0$	$T_{33,19} = 0$
$T_{33,20} = 0$	$T_{33,21} = 0$	$T_{33,22} = 0$
$T_{33,23} = 0$	$T_{33,24} = 0$	$T_{33,25} = 0$
$T_{33,26} = 0$	$T_{33,27} = 0$	$T_{33,28} = 0$
$T_{33,29} = yzwx^2$	$T_{33,30} = 0$	$T_{33,31} = ywx^2$
$T_{33,32} = 0$	$T_{33,33} = 0$	$T_{33,34} = 0$
$T_{33,35} = yz^{-1}w^2x^2$	$T_{33,36} = 0$	$T_{33,37} = yzwx^2 + ywx^2$
$T_{34,1} = 0$	$T_{34,2} = 0$	$T_{34,3} = 0$
$T_{34,4} = 0$	$T_{34,5} = 0$	$T_{34,6} = 0$
$T_{34,7} = 0$	$T_{34,8} = 0$	$T_{34,9} = 0$
$T_{34,10} = 0$	$T_{34,11} = 0$	$T_{34,12} = 0$
$T_{34,13} = 0$	$T_{34,14} = 0$	$T_{34,15} = 0$
$T_{34,16} = 0$	$T_{34,17} = 0$	$T_{34,18} = 0$
$T_{34,19} = 0$	$T_{34,20} = 0$	$T_{34,21} = 0$
$T_{34,22} = 0$	$T_{34,23} = 0$	$T_{34,24} = 0$
$T_{34,25} = 0$	$T_{34,26} = 0$	$T_{34,27} = 0$
$T_{34,28} = 0$	$T_{34,29} = ywx^2$	$T_{34,30} = 0$
$T_{34,31} = yzwx^2$	$T_{34,32} = 0$	$T_{34,33} = 0$
$T_{34,34} = 0$	$T_{34,35} = yz^{-1}w^2x^2$	$T_{34,36} = 0$
$T_{34,37} = yzwx^2 + ywx^2$	$T_{35,1} = 0$	$T_{35,2} = 0$
$T_{35,3} = 0$	$T_{35,4} = 0$	$T_{35,5} = 0$
$T_{35,6} = 0$	$T_{35,7} = 0$	$T_{35,8} = 0$
$T_{35,9} = 0$	$T_{35,10} = 0$	$T_{35,11} = 0$
$T_{35,12} = 0$	$T_{35,13} = 0$	$T_{35,14} = 0$
$T_{35,15} = 0$	$T_{35,16} = 0$	$T_{35,17} = 0$
$T_{35,18} = 0$	$T_{35,19} = 0$	$T_{35,20} = 0$
$T_{35,21} = 0$	$T_{35,22} = 0$	$T_{35,23} = 0$
$T_{35,24} = 0$	$T_{35,25} = 0$	$T_{35,26} = 0$
$T_{35,27} = 0$	$T_{35,28} = 0$	$T_{35,29} = yzwx^2$
$T_{35,30} = 0$	$T_{35,31} = yzwx^2$	$T_{35,32} = 0$
$T_{35,33} = 0$	$T_{35,34} = 0$	$T_{35,35} = yw^2x^2$
$T_{35,36} = 0$	$T_{35,37} = 2yzwx^2$	$T_{36,1} = 0$
$T_{36,2} = 0$	$T_{36,3} = 0$	$T_{36,4} = 0$
$T_{36,5} = 0$	$T_{36,6} = 0$	$T_{36,7} = 0$
$T_{36,8} = 0$	$T_{36,9} = 0$	$T_{36,10} = 0$
$T_{36,11} = 0$	$T_{36,12} = 0$	$T_{36,13} = 0$
$T_{36,14} = 0$	$T_{36,15} = 0$	$T_{36,16} = 0$
$T_{36,17} = 0$	$T_{36,18} = 0$	$T_{36,19} = 0$
$T_{36,20} = 0$	$T_{36,21} = 0$	$T_{36,22} = 0$
$T_{36,23} = 0$	$T_{36,24} = 0$	$T_{36,25} = 0$
$T_{36,26} = 0$	$T_{36,27} = 0$	$T_{36,28} = 0$
$T_{36,29} = 0$	$T_{36,30} = 0$	$T_{36,31} = 0$
$T_{36,32} = 0$	$T_{36,33} = 0$	$T_{36,34} = 0$
$T_{36,35} = 0$	$T_{36,36} = 0$	$T_{36,37} = yz^2wx^2$
$T_{37,1} = 0$	$T_{37,2} = 0$	$T_{37,3} = 0$
$T_{37,4} = 0$	$T_{37,5} = 0$	$T_{37,6} = 0$
$T_{37,7} = 0$	$T_{37,8} = 0$	$T_{37,9} = 0$

$T_{37,10} = 0$	$T_{37,11} = 0$	$T_{37,12} = 0$
$T_{37,13} = 0$	$T_{37,14} = 0$	$T_{37,15} = 0$
$T_{37,16} = 0$	$T_{37,17} = 0$	$T_{37,18} = 0$
$T_{37,19} = 0$	$T_{37,20} = 0$	$T_{37,21} = 0$
$T_{37,22} = 0$	$T_{37,23} = 0$	$T_{37,24} = 0$
$T_{37,25} = 0$	$T_{37,26} = 0$	$T_{37,27} = 0$
$T_{37,28} = 0$	$T_{37,29} = 0$	$T_{37,30} = 0$
$T_{37,31} = 0$	$T_{37,32} = 0$	$T_{37,33} = 0$
$T_{37,34} = 0$	$T_{37,35} = 0$	$T_{37,36} = 0$
$T_{37,37} = ywx^2$		

TABLE 0.4: Matrice  $\mathcal{M}_3$ .

Quelques exemples d'énumérations de polyominos inscrits dans le rectangle  $3 \times 4$

Dans cette section, nous allons présenter quelques résultats sur les polyominos inscrits dans le rectangle  $3 \times 4$ .

On considère, pour cela, la matrice  $\mathcal{M}_3$ . On désigne par  $\mathcal{M}_{3,3}$  le cube de  $\mathcal{M}_3$ . Les états initiaux de  $\mathcal{A}_3$  sont  $e_1, e_3, e_5, e_7, e_{11}, e_{16}$  et  $e_{20}$ . Ses états finaux sont  $e_{15}, e_{21}, e_{22}, e_{23}, e_{24}, e_{25}, e_{26}, e_{27}, e_{33}, e_{34}, e_{35}$  et  $e_{37}$ . D'après la proposition ??, tout polyomino résultant d'une suite de transitions à 4 états partant d'un état initial à un état final, de  $\mathcal{A}_3$ , est inscrit dans le rectangle  $3 \times 4$ . Ainsi pour un état initial  $e_i$  et un état final  $e_j$  de  $\mathcal{A}_3$ , l'entrée  $\mathcal{M}_{3,3}(i, j)$  de la matrice  $\mathcal{M}_{3,3}$  nous donne les informations nécessaires sur le nombre de polyominos de hauteur 4 issus de ces deux états. Si  $n_f, n_a$  et  $n_p$  sont respectivement le nombre de feuilles, l'aire et le périmètre de  $e_i$  et si  $\mathcal{M}_{3,3}(i, j) = z^{n_z} w^{n_w} x^{n_x} y^{n_y}$  alors  $n_f + n_z, n_a + n_w, n_p + n_x, 1 + n_y$  sont respectivement le nombre de feuilles, l'aire, le périmètre et la hauteur du polyomino résultant.

Cas des états  $e_1$  et  $e_{15}$

$$\mathcal{M}_{3,3}(1, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
1	8	18	4	3
1	7	16	4	3
1	9	16	4	3
1	8	16	4	3

Cas des états  $e_1$  et  $e_{21}$

$$\mathcal{M}_{3,3}(1, 21) = y^3 z^2 w^5 x^{10} + y^3 z^3 w^6 x^{12} + y^3 z^3 w^7 x^{14}$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
1	6	14	4	2
1	7	16	4	3
1	8	18	4	3

Cas des états  $e_1$  et  $e_{22}$

$$\mathcal{M}_{3,3}(1, 22) = x^{14} y^3 z^2 w^7$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
1	8	18	4	2

Cas des états  $e_1$  et  $e_{23}$

$$\mathcal{M}_{3,3}(1, 23) = z w^8 x^{14} y^3$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
1	9	18	4	1

Cas des états  $e_1$  et  $e_{24}$

$$\mathcal{M}_{3,3}(1, 24) = y^3 z^3 w^6 x^{12} + y^3 z^4 w^7 x^{14}$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
1	7	16	4	3
1	8	18	4	4

Cas des états  $e_1$  et  $e_{25}$

$$\mathcal{M}_{3,3}(1, 25) = x^{10} y^3 z^2 w^6 + x^{10} y^3 z^2 w^7 + x^{12} y^3 z^3 w^8$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
1	7	14	4	2
1	8	14	4	2
1	9	16	4	3

Cas des états  $e_1$  et  $e_{26}$

$$\mathcal{M}_{3,3}(1, 26) = y^3 z^2 w^8 x^{12} + y^3 z^2 w^7 x^{12}$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
1	9	16	4	3
1	8	16	4	2

Cas des états  $e_1$  et  $e_{33}$

$$\mathcal{M}_{3,3}(1, 33) = 2y^3 z^3 w^6 x^{12} + y^3 z^3 w^7 x^{14} + y^3 z^3 w^7 x^{12} + y^3 z^2 w^6 x^{10} + 2y^3 z^2 w^5 x^{10} + y^3 z^2 w^5 x^{12}$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
2	7	16	4	3
1	8	18	4	3
1	8	16	4	3
1	7	14	4	2
2	6	14	4	2
1	6	16	4	2

Cas des états  $e_1$  et  $e_{34}$

$$\mathcal{M}_{3,3}(1, 34) = y^3 z^3 w^6 x^{12} + y^3 z^3 w^7 x^{14} + y^3 z^2 w^5 x^{12} + y^3 z^2 w^7 x^{12}$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
1	7	16	4	3
1	8	18	4	3
1	6	16	4	2
1	8	16	4	2

Cas des états  $e_1$  et  $e_{35}$

$$\mathcal{M}_{3,3}(1, 35) = 2x^{10}y^3zw^8 + x^{10}y^3z^2w^5 + x^{10}y^3zw^6 + x^{10}y^3w^6$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
2	9	14	4	1
1	6	14	4	2
1	7	14	4	1
1	7	14	4	0

Cas des états  $e_1$  et  $e_{37}$

$$\mathcal{M}_{3,3}(1, 37) = 2y^3z^3w^6x^{12} + 2y^3zw^5x^{10} + 2y^3z^2w^4x^{10} + 3y^3z^2w^7x^{10} + 2y^3z^4w^4x^{10}$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
2	7	16	4	3
2	6	14	4	1
2	5	14	4	2
3	8	14	4	2
2	5	14	4	4

Cas des états  $e_{20}$  et  $e_{37}$

$e_{20}$  a 2 feuilles, 3 cellules et 8 comme périmètre.

$$\mathcal{M}_{3,3}(20, 37) = 3z^2w^7x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 2z^4w^4x^{10}y^3 + 2z^2w^4x^{10}y^3$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
3	10	18	4	4
2	9	20	4	5
2	8	18	4	3
2	7	18	4	6
2	7	18	4	4

On retrouve ci-dessous l'intégralité de la matrice  $\mathcal{M}_{3,3}$ .

$$\mathcal{M}_{3,3}(1, 1) = 0$$

$$\mathcal{M}_{3,3}(1, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(1, 3) = 0$$

$$\mathcal{M}_{3,3}(1, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(1, 5) = 0$$

$$\mathcal{M}_{3,3}(1, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$



$$\mathcal{M}_{3,3}(1,7) = 0$$

$$\mathcal{M}_{3,3}(1,8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(1,9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(1,11) = 0$$

$$\mathcal{M}_{3,3}(1,12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(1,14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(1,15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,16) = 0$$

$$\mathcal{M}_{3,3}(1,17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(1,20) = 0$$

$$\mathcal{M}_{3,3}(1,21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(1,23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(1,24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(1,28) = 0$$

$$\mathcal{M}_{3,3}(1,29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(1,30) = 0$$

$$\mathcal{M}_{3,3}(1,31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(1,32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(1,33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(1,34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(1,35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(1,36) = 0$$

$$\mathcal{M}_{3,3}(1,37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(2,1) = 0$$

$$\mathcal{M}_{3,3}(2,2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(2,3) = 0$$

$$\mathcal{M}_{3,3}(2,4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(2,5) = 0$$

$$\mathcal{M}_{3,3}(2,6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(2,7) = 0$$

$$\mathcal{M}_{3,3}(2,8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(2,9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(2,10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(2,11) = 0$$

$$\mathcal{M}_{3,3}(2,12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(2,13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(2,14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(2,15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(2,16) = 0$$

$$\mathcal{M}_{3,3}(2,17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(2,18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(2,19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(2,20) = 0$$

$$\mathcal{M}_{3,3}(2,21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(2,22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(2,23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(2, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(2, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(2, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(2, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(2, 28) = 0$$

$$\mathcal{M}_{3,3}(2, 29) = z^2 w^4 x^{10} y^3 + 5 z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 3 z^3 w^6 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(2, 30) = 0$$

$$\mathcal{M}_{3,3}(2, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(2, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(2, 33) = 2 z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(2, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(2, 35) = z^2 w^5 x^{10} y^3 + 2 z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(2, 36) = 0$$

$$\mathcal{M}_{3,3}(2, 37) = 2 z^2 w^4 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + 2 z w^5 x^{10} y^3 + 3 z^2 w^7 x^{10} y^3 + 2 z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(3, 1) = 0$$

$$\mathcal{M}_{3,3}(3, 2) = 2 z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2 z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(3, 3) = 0$$

$$\mathcal{M}_{3,3}(3, 4) = 3 z^3 w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(3, 5) = 0$$

$$\mathcal{M}_{3,3}(3, 6) = 3 z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2 z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(3, 7) = 0$$

$$\mathcal{M}_{3,3}(3, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(3, 9) = z^2 w^5 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(3, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2 z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(3, 11) = 0$$

$$\mathcal{M}_{3,3}(3, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(3, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(3, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(3, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(3, 16) = 0$$

$$\mathcal{M}_{3,3}(3, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(3, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(3, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(3, 20) = 0$$

$$\mathcal{M}_{3,3}(3, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(3, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(3, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(3, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(3, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(3, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(3, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(3, 28) = 0$$

$$\mathcal{M}_{3,3}(3, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(3, 30) = 0$$

$$\mathcal{M}_{3,3}(3, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(3, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(3, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(3, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(3, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(3, 36) = 0$$

$$\mathcal{M}_{3,3}(3, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(4, 1) = 0$$

$$\mathcal{M}_{3,3}(4,2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(4,3) = 0$$

$$\mathcal{M}_{3,3}(4,4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(4,5) = 0$$

$$\mathcal{M}_{3,3}(4,6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(4,7) = 0$$

$$\mathcal{M}_{3,3}(4,8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(4,9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(4,11) = 0$$

$$\mathcal{M}_{3,3}(4,12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(4,14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(4,15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,16) = 0$$

$$\mathcal{M}_{3,3}(4,17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(4,20) = 0$$

$$\mathcal{M}_{3,3}(4,21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(4,23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(4,24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(4,28) = 0$$

$$\mathcal{M}_{3,3}(4,29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 +$$

$$z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(4, 30) = 0$$

$$\mathcal{M}_{3,3}(4, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(4, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(4, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(4, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(4, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(4, 36) = 0$$

$$\mathcal{M}_{3,3}(4, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(5, 1) = 0$$

$$\mathcal{M}_{3,3}(5, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(5, 3) = 0$$

$$\mathcal{M}_{3,3}(5, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(5, 5) = 0$$

$$\mathcal{M}_{3,3}(5, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(5, 7) = 0$$

$$\mathcal{M}_{3,3}(5, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(5, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(5, 11) = 0$$

$$\mathcal{M}_{3,3}(5, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(5, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(5, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 16) = 0$$

$$\mathcal{M}_{3,3}(5, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(5, 20) = 0$$

$$\mathcal{M}_{3,3}(5, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(5, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(5, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(5, 28) = 0$$

$$\mathcal{M}_{3,3}(5, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(5, 30) = 0$$

$$\mathcal{M}_{3,3}(5, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(5, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(5, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(5, 36) = 0$$

$$\mathcal{M}_{3,3}(5, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(6, 1) = 0$$

$$\mathcal{M}_{3,3}(6, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(6, 3) = 0$$

$$\mathcal{M}_{3,3}(6, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(6, 5) = 0$$

$$\mathcal{M}_{3,3}(6, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(6, 7) = 0$$

$$\mathcal{M}_{3,3}(6, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(6, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(6, 11) = 0$$

$$\mathcal{M}_{3,3}(6, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(6, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(6, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 16) = 0$$

$$\mathcal{M}_{3,3}(6, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(6, 20) = 0$$

$$\mathcal{M}_{3,3}(6, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(6, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(6, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(6, 28) = 0$$

$$\mathcal{M}_{3,3}(6, 29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(6, 30) = 0$$

$$\mathcal{M}_{3,3}(6, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(6, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(6, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$



$$\mathcal{M}_{3,3}(6, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(6, 36) = 0$$

$$\mathcal{M}_{3,3}(6, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(7, 1) = 0$$

$$\mathcal{M}_{3,3}(7, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(7, 3) = 0$$

$$\mathcal{M}_{3,3}(7, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(7, 5) = 0$$

$$\mathcal{M}_{3,3}(7, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(7, 7) = 0$$

$$\mathcal{M}_{3,3}(7, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(7, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(7, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(7, 11) = 0$$

$$\mathcal{M}_{3,3}(7, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(7, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(7, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(7, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(7, 16) = 0$$

$$\mathcal{M}_{3,3}(7, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(7, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(7, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(7, 20) = 0$$

$$\mathcal{M}_{3,3}(7, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(7, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(7, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(7, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(7, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(7, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(7, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(7, 28) = 0$$

$$\mathcal{M}_{3,3}(7, 29) = z^2 w^4 x^{10} y^3 + 5 z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 3 z^3 w^6 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(7, 30) = 0$$

$$\mathcal{M}_{3,3}(7, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(7, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(7, 33) = 2 z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(7, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(7, 35) = z^2 w^5 x^{10} y^3 + 2 z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(7, 36) = 0$$

$$\mathcal{M}_{3,3}(7, 37) = 2 z^2 w^4 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + 2 z w^5 x^{10} y^3 + 3 z^2 w^7 x^{10} y^3 + 2 z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(8, 1) = 0$$

$$\mathcal{M}_{3,3}(8, 2) = 2 z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2 z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(8, 3) = 0$$

$$\mathcal{M}_{3,3}(8, 4) = 3 z^3 w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(8, 5) = 0$$

$$\mathcal{M}_{3,3}(8, 6) = 3 z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2 z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(8, 7) = 0$$

$$\mathcal{M}_{3,3}(8, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(8, 9) = z^2 w^5 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(8, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2 z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(8, 11) = 0$$

$$\mathcal{M}_{3,3}(8, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(8, 13) = 2 z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(8, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(8, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 16) = 0$$

$$\mathcal{M}_{3,3}(8, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(8, 20) = 0$$

$$\mathcal{M}_{3,3}(8, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(8, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(8, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(8, 28) = 0$$

$$\mathcal{M}_{3,3}(8, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(8, 30) = 0$$

$$\mathcal{M}_{3,3}(8, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(8, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(8, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(8, 36) = 0$$

$$\mathcal{M}_{3,3}(8, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(9, 1) = 0$$

$$\mathcal{M}_{3,3}(9, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(9, 3) = 0$$

$$\mathcal{M}_{3,3}(9, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(9, 5) = 0$$

$$\mathcal{M}_{3,3}(9, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(9, 7) = 0$$

$$\mathcal{M}_{3,3}(9, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(9, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(9, 11) = 0$$

$$\mathcal{M}_{3,3}(9, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(9, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(9, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 16) = 0$$

$$\mathcal{M}_{3,3}(9, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(9, 20) = 0$$

$$\mathcal{M}_{3,3}(9, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(9, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(9, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(9, 28) = 0$$

$$\mathcal{M}_{3,3}(9, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(9, 30) = 0$$

$$\mathcal{M}_{3,3}(9, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(9, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(9, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(9, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(9, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(9, 36) = 0$$

$$\mathcal{M}_{3,3}(9, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(10, 1) = 0$$

$$\mathcal{M}_{3,3}(10, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(10, 3) = 0$$

$$\mathcal{M}_{3,3}(10, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(10, 5) = 0$$

$$\mathcal{M}_{3,3}(10, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(10, 7) = 0$$

$$\mathcal{M}_{3,3}(10, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(10, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(10, 11) = 0$$

$$\mathcal{M}_{3,3}(10, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(10, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(10, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 16) = 0$$

$$\mathcal{M}_{3,3}(10, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(10, 20) = 0$$

$$\mathcal{M}_{3,3}(10, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(10, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(10, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(10, 28) = 0$$

$$\mathcal{M}_{3,3}(10, 29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(10, 30) = 0$$

$$\mathcal{M}_{3,3}(10, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(10, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(10, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(10, 36) = 0$$

$$\mathcal{M}_{3,3}(10, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(11, 1) = 0$$

$$\mathcal{M}_{3,3}(11, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(11, 3) = 0$$

$$\mathcal{M}_{3,3}(11, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(11, 5) = 0$$

$$\mathcal{M}_{3,3}(11, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(11, 7) = 0$$

$$\mathcal{M}_{3,3}(11, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(11, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 10) = zw^8 x^{10} y^3 + zw^5 x^8 y^3 + zw^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(11, 11) = 0$$

$$\mathcal{M}_{3,3}(11, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(11, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(11, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 16) = 0$$

$$\mathcal{M}_{3,3}(11, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 19) = zw^8 x^{10} y^3 + 2zw^7 x^{10} y^3 + 2zw^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(11, 20) = 0$$

$$\mathcal{M}_{3,3}(11, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(11, 23) = zw^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(11, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 27) = zw^8 x^{10} y^3 + zw^7 x^{10} y^3 + zw^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(11, 28) = 0$$

$$\mathcal{M}_{3,3}(11, 29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + zw^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(11, 30) = 0$$

$$\mathcal{M}_{3,3}(11, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + zw^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(11, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(11, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(11, 36) = 0$$

$$\mathcal{M}_{3,3}(11, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(12, 1) = 0$$

$$\mathcal{M}_{3,3}(12, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(12, 3) = 0$$

$$\mathcal{M}_{3,3}(12, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(12, 5) = 0$$

$$\mathcal{M}_{3,3}(12, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(12, 7) = 0$$

$$\mathcal{M}_{3,3}(12, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(12, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(12, 11) = 0$$

$$\mathcal{M}_{3,3}(12, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(12, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(12, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 16) = 0$$

$$\mathcal{M}_{3,3}(12, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(12, 20) = 0$$

$$\mathcal{M}_{3,3}(12, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(12, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(12, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$



$$\mathcal{M}_{3,3}(12, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(12, 28) = 0$$

$$\mathcal{M}_{3,3}(12, 29) = z^2 w^4 x^{10} y^3 + 5 z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 3 z^3 w^6 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(12, 30) = 0$$

$$\mathcal{M}_{3,3}(12, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(12, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(12, 33) = 2 z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 35) = z^2 w^5 x^{10} y^3 + 2 z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(12, 36) = 0$$

$$\mathcal{M}_{3,3}(12, 37) = 2 z^2 w^4 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + 2 z w^5 x^{10} y^3 + 3 z^2 w^7 x^{10} y^3 + 2 z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(13, 1) = 0$$

$$\mathcal{M}_{3,3}(13, 2) = 2 z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2 z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(13, 3) = 0$$

$$\mathcal{M}_{3,3}(13, 4) = 3 z^3 w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(13, 5) = 0$$

$$\mathcal{M}_{3,3}(13, 6) = 3 z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2 z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(13, 7) = 0$$

$$\mathcal{M}_{3,3}(13, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(13, 9) = z^2 w^5 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2 z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(13, 11) = 0$$

$$\mathcal{M}_{3,3}(13, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 13) = 2 z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(13, 14) = 2 z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(13, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 16) = 0$$

$$\mathcal{M}_{3,3}(13, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(13, 20) = 0$$

$$\mathcal{M}_{3,3}(13, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(13, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(13, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(13, 28) = 0$$

$$\begin{aligned} \mathcal{M}_{3,3}(13, 29) = & z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + \\ & z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3 \end{aligned}$$

$$\mathcal{M}_{3,3}(13, 30) = 0$$

$$\begin{aligned} \mathcal{M}_{3,3}(13, 31) = & z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + \\ & z^2 w^6 x^{10} y^3 \end{aligned}$$

$$\mathcal{M}_{3,3}(13, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(13, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(13, 36) = 0$$

$$\mathcal{M}_{3,3}(13, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(14, 1) = 0$$

$$\mathcal{M}_{3,3}(14, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(14, 3) = 0$$

$$\mathcal{M}_{3,3}(14, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(14, 5) = 0$$

$$\mathcal{M}_{3,3}(14, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(14, 7) = 0$$

$$\mathcal{M}_{3,3}(14, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(14, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(14, 11) = 0$$

$$\mathcal{M}_{3,3}(14, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(14, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(14, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 16) = 0$$

$$\mathcal{M}_{3,3}(14, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(14, 20) = 0$$

$$\mathcal{M}_{3,3}(14, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(14, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(14, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(14, 28) = 0$$

$$\mathcal{M}_{3,3}(14, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(14, 30) = 0$$

$$\mathcal{M}_{3,3}(14, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(14, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(14, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(14, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(14, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(14, 36) = 0$$

$$\mathcal{M}_{3,3}(14, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(15, 1) = 0$$

$$\mathcal{M}_{3,3}(15, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(15, 3) = 0$$

$$\mathcal{M}_{3,3}(15, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(15, 5) = 0$$

$$\mathcal{M}_{3,3}(15, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(15, 7) = 0$$

$$\mathcal{M}_{3,3}(15, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(15, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(15, 11) = 0$$

$$\mathcal{M}_{3,3}(15, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(15, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(15, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 16) = 0$$

$$\mathcal{M}_{3,3}(15, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(15, 20) = 0$$

$$\mathcal{M}_{3,3}(15, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(15, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(15, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(15, 28) = 0$$

$$\mathcal{M}_{3,3}(15, 29) = z^2 w^4 x^{10} y^3 + 5 z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 3 z^3 w^6 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(15, 30) = 0$$

$$\mathcal{M}_{3,3}(15, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(15, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(15, 33) = 2 z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 35) = z^2 w^5 x^{10} y^3 + 2 z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(15, 36) = 0$$

$$\mathcal{M}_{3,3}(15, 37) = 2 z^2 w^4 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + 2 z w^5 x^{10} y^3 + 3 z^2 w^7 x^{10} y^3 + 2 z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(16, 1) = 0$$

$$\mathcal{M}_{3,3}(16, 2) = 2 z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2 z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(16, 3) = 0$$

$$\mathcal{M}_{3,3}(16, 4) = 3 z^3 w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(16, 5) = 0$$

$$\mathcal{M}_{3,3}(16, 6) = 3 z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2 z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(16, 7) = 0$$

$$\mathcal{M}_{3,3}(16, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(16, 9) = z^2 w^5 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(16, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(16, 11) = 0$$

$$\mathcal{M}_{3,3}(16, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(16, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(16, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 16) = 0$$

$$\mathcal{M}_{3,3}(16, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(16, 20) = 0$$

$$\mathcal{M}_{3,3}(16, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(16, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(16, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(16, 28) = 0$$

$$\begin{aligned} \mathcal{M}_{3,3}(16, 29) = & z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + \\ & z^4w^4x^{10}y^3 + z^2w^5x^8y^3 \end{aligned}$$

$$\mathcal{M}_{3,3}(16, 30) = 0$$

$$\begin{aligned} \mathcal{M}_{3,3}(16, 31) = & z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + \\ & z^2w^6x^{10}y^3 \end{aligned}$$

$$\mathcal{M}_{3,3}(16, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(16, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(16, 36) = 0$$

$$\mathcal{M}_{3,3}(16, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(17, 1) = 0$$

$$\mathcal{M}_{3,3}(17, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(17, 3) = 0$$

$$\mathcal{M}_{3,3}(17, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(17, 5) = 0$$

$$\mathcal{M}_{3,3}(17, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(17, 7) = 0$$

$$\mathcal{M}_{3,3}(17, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(17, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(17, 11) = 0$$

$$\mathcal{M}_{3,3}(17, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(17, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(17, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 16) = 0$$

$$\mathcal{M}_{3,3}(17, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(17, 20) = 0$$

$$\mathcal{M}_{3,3}(17, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(17, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(17, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(17, 28) = 0$$

$$\mathcal{M}_{3,3}(17, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(17, 30) = 0$$

$$\mathcal{M}_{3,3}(17, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(17, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(17, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(17, 36) = 0$$

$$\mathcal{M}_{3,3}(17, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(18, 1) = 0$$

$$\mathcal{M}_{3,3}(18, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(18, 3) = 0$$

$$\mathcal{M}_{3,3}(18, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(18, 5) = 0$$

$$\mathcal{M}_{3,3}(18, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(18, 7) = 0$$

$$\mathcal{M}_{3,3}(18, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(18, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(18, 11) = 0$$

$$\mathcal{M}_{3,3}(18, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(18, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(18, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$



$$\mathcal{M}_{3,3}(18, 16) = 0$$

$$\mathcal{M}_{3,3}(18, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(18, 20) = 0$$

$$\mathcal{M}_{3,3}(18, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(18, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(18, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(18, 28) = 0$$

$$\mathcal{M}_{3,3}(18, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(18, 30) = 0$$

$$\mathcal{M}_{3,3}(18, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(18, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(18, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(18, 36) = 0$$

$$\mathcal{M}_{3,3}(18, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(19, 1) = 0$$

$$\mathcal{M}_{3,3}(19, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(19, 3) = 0$$

$$\mathcal{M}_{3,3}(19, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(19, 5) = 0$$

$$\mathcal{M}_{3,3}(19, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(19, 7) = 0$$

$$\mathcal{M}_{3,3}(19, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(19, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(19, 11) = 0$$

$$\mathcal{M}_{3,3}(19, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(19, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(19, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 16) = 0$$

$$\mathcal{M}_{3,3}(19, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(19, 20) = 0$$

$$\mathcal{M}_{3,3}(19, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(19, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(19, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(19, 28) = 0$$

$$\mathcal{M}_{3,3}(19, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(19, 30) = 0$$

$$\mathcal{M}_{3,3}(19, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 +$$

$$z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(19, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(19, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(19, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(19, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(19, 36) = 0$$

$$\mathcal{M}_{3,3}(19, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(20, 1) = 0$$

$$\mathcal{M}_{3,3}(20, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(20, 3) = 0$$

$$\mathcal{M}_{3,3}(20, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(20, 5) = 0$$

$$\mathcal{M}_{3,3}(20, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(20, 7) = 0$$

$$\mathcal{M}_{3,3}(20, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(20, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(20, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(20, 11) = 0$$

$$\mathcal{M}_{3,3}(20, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(20, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(20, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(20, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(20, 16) = 0$$

$$\mathcal{M}_{3,3}(20, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(20, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(20, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(20, 20) = 0$$

$$\mathcal{M}_{3,3}(20, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(20, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(20, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(20, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(20, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(20, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(20, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(20, 28) = 0$$

$$\mathcal{M}_{3,3}(20, 29) = z^2 w^4 x^{10} y^3 + 5 z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 3 z^3 w^6 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(20, 30) = 0$$

$$\mathcal{M}_{3,3}(20, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(20, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(20, 33) = 2 z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(20, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(20, 35) = z^2 w^5 x^{10} y^3 + 2 z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(20, 36) = 0$$

$$\mathcal{M}_{3,3}(20, 37) = 2 z^2 w^4 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + 2 z w^5 x^{10} y^3 + 3 z^2 w^7 x^{10} y^3 + 2 z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(21, 1) = 0$$

$$\mathcal{M}_{3,3}(21, 2) = 2 z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2 z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(21, 3) = 0$$

$$\mathcal{M}_{3,3}(21, 4) = 3 z^3 w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(21, 5) = 0$$

$$\mathcal{M}_{3,3}(21, 6) = 3 z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2 z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(21, 7) = 0$$

$$\mathcal{M}_{3,3}(21, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(21, 9) = z^2 w^5 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2 z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(21, 11) = 0$$

$$\mathcal{M}_{3,3}(21, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(21, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(21, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 16) = 0$$

$$\mathcal{M}_{3,3}(21, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 19) = zw^8 x^{10} y^3 + 2zw^7 x^{10} y^3 + 2zw^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(21, 20) = 0$$

$$\mathcal{M}_{3,3}(21, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(21, 23) = zw^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(21, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 27) = zw^8 x^{10} y^3 + zw^7 x^{10} y^3 + zw^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(21, 28) = 0$$

$$\mathcal{M}_{3,3}(21, 29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + zw^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(21, 30) = 0$$

$$\mathcal{M}_{3,3}(21, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + zw^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(21, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(21, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 35) = z^2 w^5 x^{10} y^3 + 2zw^8 x^{10} y^3 + w^6 x^{10} y^3 + zw^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(21, 36) = 0$$

$$\mathcal{M}_{3,3}(21, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(22, 1) = 0$$

$$\mathcal{M}_{3,3}(22, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(22, 3) = 0$$

$$\mathcal{M}_{3,3}(22, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(22, 5) = 0$$

$$\mathcal{M}_{3,3}(22, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(22, 7) = 0$$

$$\mathcal{M}_{3,3}(22, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(22, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(22, 11) = 0$$

$$\mathcal{M}_{3,3}(22, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(22, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(22, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 16) = 0$$

$$\mathcal{M}_{3,3}(22, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(22, 20) = 0$$

$$\mathcal{M}_{3,3}(22, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(22, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(22, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(22, 28) = 0$$

$$\mathcal{M}_{3,3}(22, 29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(22, 30) = 0$$

$$\mathcal{M}_{3,3}(22, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(22, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(22, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(22, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(22, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(22, 36) = 0$$

$$\mathcal{M}_{3,3}(22, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(23, 1) = 0$$

$$\mathcal{M}_{3,3}(23, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(23, 3) = 0$$

$$\mathcal{M}_{3,3}(23, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(23, 5) = 0$$

$$\mathcal{M}_{3,3}(23, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(23, 7) = 0$$

$$\mathcal{M}_{3,3}(23, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(23, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(23, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(23, 11) = 0$$

$$\mathcal{M}_{3,3}(23, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(23, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(23, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(23, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(23, 16) = 0$$

$$\mathcal{M}_{3,3}(23, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(23, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(23, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(23, 20) = 0$$

$$\mathcal{M}_{3,3}(23, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(23, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(23, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(23, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(23, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(23, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(23, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(23, 28) = 0$$

$$\mathcal{M}_{3,3}(23, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(23, 30) = 0$$

$$\mathcal{M}_{3,3}(23, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(23, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(23, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(23, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(23, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(23, 36) = 0$$

$$\mathcal{M}_{3,3}(23, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(24, 1) = 0$$

$$\mathcal{M}_{3,3}(24, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(24, 3) = 0$$

$$\mathcal{M}_{3,3}(24, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(24, 5) = 0$$



$$\mathcal{M}_{3,3}(24, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(24, 7) = 0$$

$$\mathcal{M}_{3,3}(24, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(24, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(24, 11) = 0$$

$$\mathcal{M}_{3,3}(24, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(24, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(24, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 16) = 0$$

$$\mathcal{M}_{3,3}(24, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(24, 20) = 0$$

$$\mathcal{M}_{3,3}(24, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(24, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(24, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(24, 28) = 0$$

$$\mathcal{M}_{3,3}(24, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(24, 30) = 0$$

$$\mathcal{M}_{3,3}(24, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(24, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(24, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(24, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(24, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(24, 36) = 0$$

$$\mathcal{M}_{3,3}(24, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(25, 1) = 0$$

$$\mathcal{M}_{3,3}(25, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(25, 3) = 0$$

$$\mathcal{M}_{3,3}(25, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(25, 5) = 0$$

$$\mathcal{M}_{3,3}(25, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(25, 7) = 0$$

$$\mathcal{M}_{3,3}(25, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(25, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(25, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(25, 11) = 0$$

$$\mathcal{M}_{3,3}(25, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(25, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(25, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(25, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(25, 16) = 0$$

$$\mathcal{M}_{3,3}(25, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(25, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(25, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(25, 20) = 0$$

$$\mathcal{M}_{3,3}(25, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(25, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(25, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(25, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(25, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(25, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(25, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(25, 28) = 0$$

$$\mathcal{M}_{3,3}(25, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(25, 30) = 0$$

$$\mathcal{M}_{3,3}(25, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(25, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(25, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(25, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(25, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(25, 36) = 0$$

$$\mathcal{M}_{3,3}(25, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(26, 1) = 0$$

$$\mathcal{M}_{3,3}(26, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(26, 3) = 0$$

$$\mathcal{M}_{3,3}(26, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(26, 5) = 0$$

$$\mathcal{M}_{3,3}(26, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(26, 7) = 0$$

$$\mathcal{M}_{3,3}(26, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(26, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(26, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(26, 11) = 0$$

$$\begin{aligned}
\mathcal{M}_{3,3}(26, 12) &= z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 13) &= 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3 \\
\mathcal{M}_{3,3}(26, 14) &= 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3 \\
\mathcal{M}_{3,3}(26, 15) &= z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 16) &= 0 \\
\mathcal{M}_{3,3}(26, 17) &= 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 18) &= z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 19) &= z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3 \\
\mathcal{M}_{3,3}(26, 20) &= 0 \\
\mathcal{M}_{3,3}(26, 21) &= z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 22) &= z^2 w^7 x^{14} y^3 \\
\mathcal{M}_{3,3}(26, 23) &= z w^8 x^{14} y^3 \\
\mathcal{M}_{3,3}(26, 24) &= z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 25) &= z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 26) &= z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 27) &= z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3 \\
\mathcal{M}_{3,3}(26, 28) &= 0 \\
\mathcal{M}_{3,3}(26, 29) &= z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + \\
& z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3 \\
\mathcal{M}_{3,3}(26, 30) &= 0 \\
\mathcal{M}_{3,3}(26, 31) &= z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + \\
& z^2 w^6 x^{10} y^3 \\
\mathcal{M}_{3,3}(26, 32) &= z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3 \\
\mathcal{M}_{3,3}(26, 33) &= 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 34) &= z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 35) &= z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3 \\
\mathcal{M}_{3,3}(26, 36) &= 0 \\
\mathcal{M}_{3,3}(26, 37) &= 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3
\end{aligned}$$

$$\mathcal{M}_{3,3}(27, 1) = 0$$

$$\mathcal{M}_{3,3}(27, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(27, 3) = 0$$

$$\mathcal{M}_{3,3}(27, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(27, 5) = 0$$

$$\mathcal{M}_{3,3}(27, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(27, 7) = 0$$

$$\mathcal{M}_{3,3}(27, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(27, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(27, 11) = 0$$

$$\mathcal{M}_{3,3}(27, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(27, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(27, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 16) = 0$$

$$\mathcal{M}_{3,3}(27, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(27, 20) = 0$$

$$\mathcal{M}_{3,3}(27, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(27, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(27, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(27, 28) = 0$$

$$\mathcal{M}_{3,3}(27, 29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(27, 30) = 0$$

$$\mathcal{M}_{3,3}(27, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(27, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(27, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(27, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(27, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(27, 36) = 0$$

$$\mathcal{M}_{3,3}(27, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(28, 1) = 0$$

$$\mathcal{M}_{3,3}(28, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(28, 3) = 0$$

$$\mathcal{M}_{3,3}(28, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(28, 5) = 0$$

$$\mathcal{M}_{3,3}(28, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(28, 7) = 0$$

$$\mathcal{M}_{3,3}(28, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(28, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(28, 11) = 0$$

$$\mathcal{M}_{3,3}(28, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(28, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(28, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 16) = 0$$

$$\mathcal{M}_{3,3}(28, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 19) = z w^8 x^{10} y^3 + 2 z w^7 x^{10} y^3 + 2 z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(28, 20) = 0$$

$$\mathcal{M}_{3,3}(28, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(28, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(28, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(28, 28) = 0$$

$$\mathcal{M}_{3,3}(28, 29) = z^2 w^4 x^{10} y^3 + 5 z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 3 z^3 w^6 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(28, 30) = 0$$

$$\mathcal{M}_{3,3}(28, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(28, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(28, 33) = 2 z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 35) = z^2 w^5 x^{10} y^3 + 2 z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(28, 36) = 0$$

$$\mathcal{M}_{3,3}(28, 37) = 2 z^2 w^4 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + 2 z w^5 x^{10} y^3 + 3 z^2 w^7 x^{10} y^3 + 2 z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(29, 1) = 0$$

$$\mathcal{M}_{3,3}(29, 2) = 2 z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2 z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(29, 3) = 0$$

$$\mathcal{M}_{3,3}(29, 4) = 3 z^3 w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(29, 5) = 0$$

$$\mathcal{M}_{3,3}(29, 6) = 3 z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2 z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(29, 7) = 0$$

$$\mathcal{M}_{3,3}(29, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(29, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(29, 11) = 0$$

$$\mathcal{M}_{3,3}(29, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(29, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(29, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 16) = 0$$

$$\mathcal{M}_{3,3}(29, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(29, 20) = 0$$

$$\mathcal{M}_{3,3}(29, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(29, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(29, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(29, 28) = 0$$

$$\mathcal{M}_{3,3}(29, 29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(29, 30) = 0$$

$$\mathcal{M}_{3,3}(29, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(29, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$



$$\mathcal{M}_{3,3}(29, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(29, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(29, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(29, 36) = 0$$

$$\mathcal{M}_{3,3}(29, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(30, 1) = 0$$

$$\mathcal{M}_{3,3}(30, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(30, 3) = 0$$

$$\mathcal{M}_{3,3}(30, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(30, 5) = 0$$

$$\mathcal{M}_{3,3}(30, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(30, 7) = 0$$

$$\mathcal{M}_{3,3}(30, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(30, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(30, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(30, 11) = 0$$

$$\mathcal{M}_{3,3}(30, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(30, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(30, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(30, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(30, 16) = 0$$

$$\mathcal{M}_{3,3}(30, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(30, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(30, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(30, 20) = 0$$

$$\mathcal{M}_{3,3}(30, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(30, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(30, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(30, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(30, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(30, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(30, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(30, 28) = 0$$

$$\mathcal{M}_{3,3}(30, 29) = z^2 w^4 x^{10} y^3 + 5 z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 3 z^3 w^6 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(30, 30) = 0$$

$$\mathcal{M}_{3,3}(30, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(30, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(30, 33) = 2 z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(30, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(30, 35) = z^2 w^5 x^{10} y^3 + 2 z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(30, 36) = 0$$

$$\mathcal{M}_{3,3}(30, 37) = 2 z^2 w^4 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + 2 z w^5 x^{10} y^3 + 3 z^2 w^7 x^{10} y^3 + 2 z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(31, 1) = 0$$

$$\mathcal{M}_{3,3}(31, 2) = 2 z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2 z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(31, 3) = 0$$

$$\mathcal{M}_{3,3}(31, 4) = 3 z^3 w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(31, 5) = 0$$

$$\mathcal{M}_{3,3}(31, 6) = 3 z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2 z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(31, 7) = 0$$

$$\mathcal{M}_{3,3}(31, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(31, 9) = z^2 w^5 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(31, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2 z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(31, 11) = 0$$

$$\mathcal{M}_{3,3}(31, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(31, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(31, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(31, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 16) = 0$$

$$\mathcal{M}_{3,3}(31, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(31, 20) = 0$$

$$\mathcal{M}_{3,3}(31, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(31, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(31, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(31, 28) = 0$$

$$\mathcal{M}_{3,3}(31, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(31, 30) = 0$$

$$\mathcal{M}_{3,3}(31, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(31, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(31, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(31, 36) = 0$$

$$\mathcal{M}_{3,3}(31, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(32, 1) = 0$$

$$\mathcal{M}_{3,3}(32, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(32, 3) = 0$$

$$\mathcal{M}_{3,3}(32, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(32, 5) = 0$$

$$\mathcal{M}_{3,3}(32, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(32, 7) = 0$$

$$\mathcal{M}_{3,3}(32, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(32, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(32, 11) = 0$$

$$\mathcal{M}_{3,3}(32, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(32, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(32, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 16) = 0$$

$$\mathcal{M}_{3,3}(32, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(32, 20) = 0$$

$$\mathcal{M}_{3,3}(32, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(32, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(32, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(32, 28) = 0$$

$$\mathcal{M}_{3,3}(32, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 +$$

$$z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(32, 30) = 0$$

$$\mathcal{M}_{3,3}(32, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(32, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(32, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(32, 36) = 0$$

$$\mathcal{M}_{3,3}(32, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(33, 1) = 0$$

$$\mathcal{M}_{3,3}(33, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(33, 3) = 0$$

$$\mathcal{M}_{3,3}(33, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(33, 5) = 0$$

$$\mathcal{M}_{3,3}(33, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(33, 7) = 0$$

$$\mathcal{M}_{3,3}(33, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(33, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(33, 11) = 0$$

$$\mathcal{M}_{3,3}(33, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(33, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(33, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 16) = 0$$

$$\mathcal{M}_{3,3}(33, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(33, 20) = 0$$

$$\mathcal{M}_{3,3}(33, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(33, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(33, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(33, 28) = 0$$

$$\mathcal{M}_{3,3}(33, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(33, 30) = 0$$

$$\mathcal{M}_{3,3}(33, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(33, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(33, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(33, 36) = 0$$

$$\mathcal{M}_{3,3}(33, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(34, 1) = 0$$

$$\mathcal{M}_{3,3}(34, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(34, 3) = 0$$

$$\mathcal{M}_{3,3}(34, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(34, 5) = 0$$

$$\mathcal{M}_{3,3}(34, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(34, 7) = 0$$

$$\mathcal{M}_{3,3}(34, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(34, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 10) = zw^8 x^{10} y^3 + zw^5 x^8 y^3 + zw^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(34, 11) = 0$$

$$\mathcal{M}_{3,3}(34, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(34, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(34, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 16) = 0$$

$$\mathcal{M}_{3,3}(34, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 19) = zw^8 x^{10} y^3 + 2zw^7 x^{10} y^3 + 2zw^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(34, 20) = 0$$

$$\mathcal{M}_{3,3}(34, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(34, 23) = zw^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(34, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 27) = zw^8 x^{10} y^3 + zw^7 x^{10} y^3 + zw^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(34, 28) = 0$$

$$\mathcal{M}_{3,3}(34, 29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + zw^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(34, 30) = 0$$

$$\mathcal{M}_{3,3}(34, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + zw^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(34, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(34, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(34, 36) = 0$$

$$\mathcal{M}_{3,3}(34, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(35, 1) = 0$$

$$\mathcal{M}_{3,3}(35, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(35, 3) = 0$$

$$\mathcal{M}_{3,3}(35, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(35, 5) = 0$$

$$\mathcal{M}_{3,3}(35, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(35, 7) = 0$$

$$\mathcal{M}_{3,3}(35, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(35, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(35, 11) = 0$$

$$\mathcal{M}_{3,3}(35, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(35, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(35, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 16) = 0$$

$$\mathcal{M}_{3,3}(35, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(35, 20) = 0$$

$$\mathcal{M}_{3,3}(35, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(35, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(35, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$



$$\mathcal{M}_{3,3}(35, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(35, 28) = 0$$

$$\mathcal{M}_{3,3}(35, 29) = z^2 w^4 x^{10} y^3 + 5 z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 3 z^3 w^6 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(35, 30) = 0$$

$$\mathcal{M}_{3,3}(35, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(35, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(35, 33) = 2 z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 35) = z^2 w^5 x^{10} y^3 + 2 z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(35, 36) = 0$$

$$\mathcal{M}_{3,3}(35, 37) = 2 z^2 w^4 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + 2 z w^5 x^{10} y^3 + 3 z^2 w^7 x^{10} y^3 + 2 z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(36, 1) = 0$$

$$\mathcal{M}_{3,3}(36, 2) = 2 z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2 z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(36, 3) = 0$$

$$\mathcal{M}_{3,3}(36, 4) = 3 z^3 w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(36, 5) = 0$$

$$\mathcal{M}_{3,3}(36, 6) = 3 z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2 z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(36, 7) = 0$$

$$\mathcal{M}_{3,3}(36, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(36, 9) = z^2 w^5 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(36, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2 z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(36, 11) = 0$$

$$\mathcal{M}_{3,3}(36, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(36, 13) = 2 z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(36, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(36, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 16) = 0$$

$$\mathcal{M}_{3,3}(36, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(36, 20) = 0$$

$$\mathcal{M}_{3,3}(36, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(36, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(36, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(36, 28) = 0$$

$$\mathcal{M}_{3,3}(36, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(36, 30) = 0$$

$$\mathcal{M}_{3,3}(36, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(36, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(36, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(36, 36) = 0$$

$$\mathcal{M}_{3,3}(36, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(37, 1) = 0$$

$$\mathcal{M}_{3,3}(37, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(37, 3) = 0$$

$$\mathcal{M}_{3,3}(37, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(37, 5) = 0$$

$$\mathcal{M}_{3,3}(37, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(37, 7) = 0$$

$$\mathcal{M}_{3,3}(37, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(37, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(37, 11) = 0$$

$$\mathcal{M}_{3,3}(37, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(37, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(37, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 16) = 0$$

$$\mathcal{M}_{3,3}(37, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(37, 20) = 0$$

$$\mathcal{M}_{3,3}(37, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(37, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(37, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(37, 28) = 0$$

$$\mathcal{M}_{3,3}(37, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(37, 30) = 0$$

$$\mathcal{M}_{3,3}(37, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(37, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(37, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(37, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(37, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(37, 36) = 0$$

$$\mathcal{M}_{3,3}(37, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

Matrices de transitions des automates  $\mathcal{A}_{F3}$  et  $\mathcal{A}_3$

Nous présentons dans cette section les matrices de transitions des automates  $\mathcal{A}_{F3}$  et  $\mathcal{A}_3$ .

Matrice  $\mathcal{M}_{F3}$

En se basant sur les états de  $\mathcal{A}_{F3}$  présentés selon l'ordre donné par le tableau ??, nous obtenons la matrice  $\mathcal{M}_{F3}$  dans le tableau ??.

$e_1 = (100, 000, \{\{0\}\})$	$e_2 = (100, 100, \{\{0\}\})$	$e_3 = (010, 000, \{\{0\}\})$
$e_4 = (010, 010, \{\{0\}\})$	$e_5 = (001, 000, \{\{0\}\})$	$e_6 = (001, 001, \{\{0\}\})$
$e_7 = (110, 110, \{\{0\}\})$	$e_8 = (110, 210, \{\{0\}\})$	$e_9 = (110, 120, \{\{0\}\})$
$e_{10} = (110, 220, \{\{0\}\})$	$e_{11} = (101, 000, \{\{0\}, \{1\}\})$	
$e_{12} = (101, 101, \{\{0\}, \{1\}\})$	$e_{13} = (101, 100, \{\{0\}, \{1\}\})$	
$e_{14} = (101, 001, \{\{0\}, \{1\}\})$	$e_{15} = (101, 101, \{\{0\}, \{1\}\})$	
$e_{16} = (011, 011, \{\{0\}\})$	$e_{17} = (011, 021, \{\{0\}\})$	$e_{18} = (011, 012, \{\{0\}\})$
$e_{19} = (011, 022, \{\{0\}\})$	$e_{20} = (111, 121, \{\{0\}\})$	$e_{21} = (111, 221, \{\{0\}\})$
$e_{22} = (111, 122, \{\{0\}\})$	$e_{23} = (111, 222, \{\{0\}\})$	$e_{24} = (111, 131, \{\{0\}\})$
$e_{25} = (111, 231, \{\{0\}\})$	$e_{26} = (111, 132, \{\{0\}\})$	$e_{27} = (111, 232, \{\{0\}\})$
$e_{28} = (000, 000, \{\{\}\})$	$e_{29} = (10, 00, \{\{0\}\})$	$e_{30} = (10, 10, \{\{0\}\})$

$e_{31} = (01, 00, \{\{0\}\})$	$e_{32} = (01, 01, \{\{0\}\})$	$e_{33} = (11, 11, \{\{0\}\})$
$e_{34} = (11, 21, \{\{0\}\})$	$e_{35} = (11, 12, \{\{0\}\})$	$e_{36} = (11, 22, \{\{0\}\})$
$e_{37} = (00, 00, \{\{\}\})$	$e_{38} = (1, 0, \{\{0\}\})$	$e_{39} = (1, 1, \{\{0\}\})$
$e_{40} = (0, 0, \{\{\}\})$		

TABLE 0.5: Les états de  $\mathcal{A}_{F3}$ .

$T_{1,1} = 0$	$T_{1,2} = wx^2yz^2$	$T_{1,3} = wx^4y\zeta$
$T_{1,4} = 0$	$T_{1,5} = wx^4y\zeta$	$T_{1,6} = 0$
$T_{1,7} = 0$	$T_{1,8} = w^2x^4yz^2$	$T_{1,9} = 0$
$T_{1,10} = 0$	$T_{1,11} = 0$	$T_{1,12} = 0$
$T_{1,13} = w^2x^6yz^2\zeta$	$T_{1,14} = 0$	$T_{1,15} = 0$
$T_{1,16} = w^2x^6yz^2\zeta$	$T_{1,17} = 0$	$T_{1,18} = 0$
$T_{1,19} = 0$	$T_{1,20} = 0$	$T_{1,21} = w^3x^6yz^2$
$T_{1,22} = 0$	$T_{1,23} = 0$	$T_{1,24} = 0$
$T_{1,25} = 0$	$T_{1,26} = 0$	$T_{1,27} = 0$
$T_{1,28} = y$	$T_{1,29} = wx^4y$	$T_{1,30} = 0$
$T_{1,31} = wx^4y\zeta$	$T_{1,32} = 0$	$T_{1,33} = w^2x^6yz^2$
$T_{1,34} = 0$	$T_{1,35} = 0$	$T_{1,36} = 0$
$T_{1,37} = y$	$T_{1,38} = wx^4y\zeta$	$T_{1,39} = 0$
$T_{1,40} = y$	$T_{2,1} = 0$	$T_{2,2} = wx^2y$
$T_{2,3} = wx^4y\zeta$	$T_{2,4} = 0$	$T_{2,5} = wx^4y\zeta$
$T_{2,6} = 0$	$T_{2,7} = 0$	$T_{2,8} = w^2x^4y$
$T_{2,9} = 0$	$T_{2,10} = 0$	$T_{2,11} = 0$
$T_{2,12} = 0$	$T_{2,13} = w^2x^6y\zeta$	$T_{2,14} = 0$
$T_{2,15} = 0$	$T_{2,16} = w^2x^6yz^2\zeta$	$T_{2,17} = 0$
$T_{2,18} = 0$	$T_{2,19} = 0$	$T_{2,20} = 0$
$T_{2,21} = w^3x^6y$	$T_{2,22} = 0$	$T_{2,23} = 0$
$T_{2,24} = 0$	$T_{2,25} = 0$	$T_{2,26} = 0$
$T_{2,27} = 0$	$T_{2,28} = y$	$T_{2,29} = wx^4y$
$T_{2,30} = 0$	$T_{2,31} = wx^4y\zeta$	$T_{2,32} = 0$
$T_{2,33} = w^2x^6yz^2$	$T_{2,34} = 0$	$T_{2,35} = 0$
$T_{2,36} = 0$	$T_{2,37} = y$	$T_{2,38} = wx^4y\zeta$
$T_{2,39} = 0$	$T_{2,40} = y$	$T_{3,1} = wx^4y\zeta$
$T_{3,2} = 0$	$T_{3,3} = 0$	$T_{3,4} = wx^2yz^2$
$T_{3,5} = wx^4y\zeta$	$T_{3,6} = 0$	$T_{3,7} = 0$
$T_{3,8} = 0$	$T_{3,9} = w^2x^4yz^2$	$T_{3,10} = 0$
$T_{3,11} = w^2x^8y\zeta^2$	$T_{3,12} = 0$	$T_{3,13} = 0$
$T_{3,14} = 0$	$T_{3,15} = 0$	$T_{3,16} = 0$
$T_{3,17} = w^2x^4yz^2$	$T_{3,18} = 0$	$T_{3,19} = 0$
$T_{3,20} = 0$	$T_{3,21} = 0$	$T_{3,22} = 0$
$T_{3,23} = 0$	$T_{3,24} = w^3x^6yz^3$	$T_{3,25} = 0$
$T_{3,26} = 0$	$T_{3,27} = 0$	$T_{3,28} = y$
$T_{3,29} = 0$	$T_{3,30} = 0$	$T_{3,31} = 0$
$T_{3,32} = 0$	$T_{3,33} = 0$	$T_{3,34} = 0$
$T_{3,35} = 0$	$T_{3,36} = 0$	$T_{3,37} = 0$
$T_{3,38} = 0$	$T_{3,39} = 0$	$T_{3,40} = 0$
$T_{4,1} = wx^4y\zeta$	$T_{4,2} = 0$	$T_{4,3} = 0$
$T_{4,4} = wx^2y$	$T_{4,5} = wx^4y\zeta$	$T_{4,6} = 0$
$T_{4,7} = 0$	$T_{4,8} = 0$	$T_{4,9} = w^2x^4y$
$T_{4,10} = 0$	$T_{4,11} = w^2x^8y\zeta^2$	$T_{4,12} = 0$

$T_{4,13} = 0$	$T_{4,14} = 0$	$T_{4,15} = 0$
$T_{4,16} = 0$	$T_{4,17} = w^2 x^4 y$	$T_{4,18} = 0$
$T_{4,19} = 0$	$T_{4,20} = 0$	$T_{4,21} = 0$
$T_{4,22} = 0$	$T_{4,23} = 0$	$T_{4,24} = w^3 x^6 yz$
$T_{4,25} = 0$	$T_{4,26} = 0$	$T_{4,27} = 0$
$T_{4,28} = y$	$T_{4,29} = 0$	$T_{4,30} = 0$
$T_{4,31} = 0$	$T_{4,32} = 0$	$T_{4,33} = 0$
$T_{4,34} = 0$	$T_{4,35} = 0$	$T_{4,36} = 0$
$T_{4,37} = 0$	$T_{4,38} = 0$	$T_{4,39} = 0$
$T_{4,40} = 0$	$T_{5,1} = wx^4 y\zeta$	$T_{5,2} = 0$
$T_{5,3} = wx^4 y\zeta$	$T_{5,4} = 0$	$T_{5,5} = 0$
$T_{5,6} = wx^2 yz^2$	$T_{5,7} = w^2 x^6 yz^2 \zeta$	$T_{5,8} = 0$
$T_{5,9} = 0$	$T_{5,10} = 0$	$T_{5,11} = 0$
$T_{5,12} = 0$	$T_{5,13} = 0$	$T_{5,14} = w^2 x^6 yz^2 \zeta$
$T_{5,15} = 0$	$T_{5,16} = 0$	$T_{5,17} = 0$
$T_{5,18} = w^2 x^4 yz^2$	$T_{5,19} = 0$	$T_{5,20} = 0$
$T_{5,21} = 0$	$T_{5,22} = w^3 x^6 yz^2$	$T_{5,23} = 0$
$T_{5,24} = 0$	$T_{5,25} = 0$	$T_{5,26} = 0$
$T_{5,27} = 0$	$T_{5,28} = y$	$T_{5,29} = wx^4 y\zeta$
$T_{5,30} = 0$	$T_{5,31} = wx^4 y$	$T_{5,32} =$
$T_{5,33} = w^2 x^6 yz^2$	$T_{5,34} = 0$	$T_{5,35} =$
$T_{5,36} = 0$	$T_{5,37} = y$	$T_{5,38} = wx^4 y\zeta$
$T_{5,39} = 0$	$T_{5,40} = y$	$T_{6,1} = wx^4 y\zeta$
$T_{6,2} = 0$	$T_{6,3} = wx^4 y\zeta$	$T_{6,4} = 0$
$T_{6,5} = 0$	$T_{6,6} = wx^2 y$	$T_{6,7} = w^2 x^6 yz^2 \zeta$
$T_{6,8} = 0$	$T_{6,9} = 0$	$T_{6,10} = 0$
$T_{6,11} = 0$	$T_{6,12} = 0$	$T_{6,13} = 0$
$T_{6,14} = w^2 x^6 y\zeta$	$T_{6,15} = 0$	$T_{6,16} = 0$
$T_{6,17} = 0$	$T_{6,18} = w^2 x^4 y$	$T_{6,19} = 0$
$T_{6,20} = 0$	$T_{6,21} = 0$	$T_{6,22} = w^3 x^6 y$
$T_{6,23} = 0$	$T_{6,24} = 0$	$T_{6,25} = 0$
$T_{6,26} = 0$	$T_{6,27} = 0$	$T_{6,28} = y$
$T_{6,29} = wx^4 y\zeta$	$T_{6,30} = 0$	$T_{6,31} = wx^4 y$
$T_{6,32} =$	$T_{6,33} = w^2 x^6 yz^2$	$T_{6,34} = 0$
$T_{6,35} =$	$T_{6,36} = 0$	$T_{6,37} = y$
$T_{6,38} = wx^4 y\zeta$	$T_{6,39} = 0$	$T_{6,40} = y$
$T_{7,1} = 0$	$T_{7,2} = wx^2 y$	$T_{7,3} = 0$
$T_{7,4} = wx^2 y$	$T_{7,5} = wx^4 y\zeta$	$T_{7,6} = 0$
$T_{7,7} = 0$	$T_{7,8} = 0$	$T_{7,9} = 0$
$T_{7,10} = w^2 x^2 yz^{-2}$	$T_{7,11} = 0$	$T_{7,12} = 0$
$T_{7,13} = w^2 x^6 y\zeta$	$T_{7,14} = 0$	$T_{7,15} = 0$
$T_{7,16} = 0$	$T_{7,17} = w^2 x^4 y$	$T_{7,18} = 0$
$T_{7,19} = 0$	$T_{7,20} = 0$	$T_{7,21} = 0$
$T_{7,22} = 0$	$T_{7,23} = 0$	$T_{7,24} = 0$
$T_{7,25} = w^3 x^4 yz^{-1}$	$T_{7,26} = 0$	$T_{7,27} = 0$
$T_{7,28} = y$	$T_{7,29} = 0$	$T_{7,30} = wx^2 y$
$T_{7,31} = wx^4 y\zeta$	$T_{7,32} = 0$	$T_{7,33} = 0$
$T_{7,34} = w^2 x^4 y$	$T_{7,35} = 0$	$T_{7,36} = 0$
$T_{7,37} = y$	$T_{7,38} = wx^4 y\zeta$	$T_{7,39} = 0$
$T_{7,40} = y$	$T_{8,1} = 0$	$T_{8,2} = wx^2 yz$
$T_{8,3} = 0$	$T_{8,4} = wx^2 y$	$T_{8,5} = wx^4 y\zeta$
$T_{8,6} = 0$	$T_{8,7} = 0$	$T_{8,8} = 0$
$T_{8,9} = 0$	$T_{8,10} = w^2 x^2 yz^{-1}$	$T_{8,11} = 0$
$T_{8,12} = 0$	$T_{8,13} = w^2 x^6 yz\zeta$	$T_{8,14} = 0$
$T_{8,15} = 0$	$T_{8,16} = 0$	$T_{8,17} = w^2 x^4 y$
$T_{8,18} = 0$	$T_{8,19} = 0$	$T_{8,20} = 0$
$T_{8,21} = 0$	$T_{8,22} = 0$	$T_{8,23} = 0$

$T_{8,24} = 0$	$T_{8,25} = w^3 x^4 y$	$T_{8,26} = 0$
$T_{8,27} = 0$	$T_{8,28} = y$	$T_{8,29} = 0$
$T_{8,30} = w x^2 y$	$T_{8,31} = w x^4 y \zeta$	$T_{8,32} = 0$
$T_{8,33} = 0$	$T_{8,34} = w^2 x^4 y$	$T_{8,35} = 0$
$T_{8,36} = 0$	$T_{8,37} = y$	$T_{8,38} = w x^4 y \zeta$
$T_{8,39} = 0$	$T_{8,40} = y$	$T_{9,1} = 0$
$T_{9,2} = w x^2 y$	$T_{9,3} = 0$	$T_{9,4} = w x^2 y z$
$T_{9,5} = w x^4 y \zeta$	$T_{9,6} = 0$	$T_{9,7} = 0$
$T_{9,8} = 0$	$T_{9,9} = 0$	$T_{9,10} = w^2 x^2 y z^{-1}$
$T_{9,11} = 0$	$T_{9,12} = 0$	$T_{9,13} = w^2 x^6 y \zeta$
$T_{9,14} = 0$	$T_{9,15} = 0$	$T_{9,16} = 0$
$T_{9,17} = w^2 x^4 y z$	$T_{9,18} = 0$	$T_{9,19} = 0$
$T_{9,20} = 0$	$T_{9,21} = 0$	$T_{9,22} = 0$
$T_{9,23} = 0$	$T_{9,24} = 0$	$T_{9,25} = w^3 x^4 y$
$T_{9,26} = 0$	$T_{9,27} = 0$	$T_{9,28} = y$
$T_{9,29} = 0$	$T_{9,30} = w x^2 y z$	$T_{9,31} = w x^4 y \zeta$
$T_{9,32} = 0$	$T_{9,33} = 0$	$T_{9,34} = w^2 x^4 y z$
$T_{9,35} = 0$	$T_{9,36} = 0$	$T_{9,37} = y$
$T_{9,38} = w x^4 y \zeta$	$T_{9,39} = 0$	$T_{9,40} = y$
$T_{10,1} = 0$	$T_{10,2} = w x^2 y z$	$T_{10,3} = 0$
$T_{10,4} = w x^2 y z$	$T_{10,5} = w x^4 y \zeta$	$T_{10,6} = 0$
$T_{10,7} = 0$	$T_{10,8} = 0$	$T_{10,9} = 0$
$T_{10,10} = w^2 x^2 y$	$T_{10,11} = 0$	$T_{10,12} = 0$
$T_{10,13} = w^2 x^6 y z \zeta$	$T_{10,14} = 0$	$T_{10,15} = 0$
$T_{10,16} = 0$	$T_{10,17} = w^2 x^4 y z$	$T_{10,18} = 0$
$T_{10,19} = 0$	$T_{10,20} = 0$	$T_{10,21} = 0$
$T_{10,22} = 0$	$T_{10,23} = 0$	$T_{10,24} = 0$
$T_{10,25} = w^3 x^4 y z$	$T_{10,26} = 0$	$T_{10,27} = 0$
$T_{10,28} = y$	$T_{10,29} = 0$	$T_{10,30} = w x^2 y z$
$T_{10,31} = w x^4 y \zeta$	$T_{10,32} = 0$	$T_{10,33} = 0$
$T_{10,34} = w^2 x^4 y z$	$T_{10,35} = 0$	$T_{10,36} = 0$
$T_{10,37} = y$	$T_{10,38} = w x^4 y \zeta$	$T_{10,39} = 0$
$T_{10,40} = y$	$T_{11,1} = 0$	$T_{11,2} = w x^2 y z^2$
$T_{11,3} = w x^4 y$	$T_{11,4} = 0$	$T_{11,5} = 0$
$T_{11,6} = w x^2 y z^2$	$T_{11,7} = 0$	$T_{11,8} = w^2 x^4 y z^2$
$T_{11,9} = 0$	$T_{11,10} = 0$	$T_{11,11} = 0$
$T_{11,12} = w^2 x^4 y z^4$	$T_{11,13} = 0$	$T_{11,14} = 0$
$T_{11,15} = 0$	$T_{11,16} = 0$	$T_{11,17} = 0$
$T_{11,18} = w^2 x^4 y z^2$	$T_{11,19} = 0$	$T_{11,20} = 0$
$T_{11,21} = 0$	$T_{11,22} = 0$	$T_{11,23} = w^3 x^4 y z^2$
$T_{11,24} = 0$	$T_{11,25} = 0$	$T_{11,26} = 0$
$T_{11,27} = 0$	$T_{11,28} = y$	$T_{11,29} = w x^4 y \zeta$
$T_{11,30} = w x^2 y z^2 \zeta$	$T_{11,31} = w x^4 y \zeta$	$T_{11,32} = w x^2 y z^2 \zeta$
$T_{11,33} = 0$	$T_{11,34} = w^2 x^4 y z^2$	$T_{11,35} = w^2 x^4 y z^2$
$T_{11,36} = 0$	$T_{11,37} = 2y$	$T_{11,38} = w x^4 y \zeta$
$T_{11,39} = 2w x^2 y z^2$	$T_{11,40} = 3y$	$T_{12,1} = 0$
$T_{12,2} = w x^2 y$	$T_{12,3} = w x^4 y$	$T_{12,4} = 0$
$T_{12,5} = 0$	$T_{12,6} = w x^2 y$	$T_{12,7} = 0$
$T_{12,8} = w^2 x^4 y$	$T_{12,9} = 0$	$T_{12,10} = 0$
$T_{12,11} = 0$	$T_{12,12} = w^2 x^4 y$	$T_{12,13} = 0$
$T_{12,14} = 0$	$T_{12,15} = 0$	$T_{12,16} = 0$
$T_{12,17} = 0$	$T_{12,18} = w^2 x^4 y$	$T_{12,19} = 0$
$T_{12,20} = 0$	$T_{12,21} = 0$	$T_{12,22} = 0$
$T_{12,23} = w^3 x^4 y z^{-2}$	$T_{12,24} = 0$	$T_{12,25} = 0$
$T_{12,26} = 0$	$T_{12,27} = 0$	$T_{12,28} = y$
$T_{12,29} = w x^4 y \zeta$	$T_{12,30} = w x^2 y \zeta$	$T_{12,31} = w x^4 y \zeta$
$T_{12,32} = w x^2 y \zeta$	$T_{12,33} = 0$	$T_{12,34} = w^2 x^4 y$

	$T_{12,35} = w^2 x^4 y$ $T_{12,38} = w x^4 y \zeta$	$T_{12,36} = 0$ $T_{12,39} = 2 w x^2 y$	$T_{12,37} = 2 y$ $T_{12,40} = 3 y$	
	$T_{13,1} = 0$ $T_{13,4} = 0$ $T_{13,7} = 0$ $T_{13,10} = 0$ $T_{13,13} = 0$ $T_{13,16} = 0$ $T_{13,19} = 0$ $T_{13,22} = 0$ $T_{13,25} = 0$ $T_{13,28} = y$ $T_{13,31} = w x^4 y \zeta$ $T_{13,34} = w^2 x^4 y$ $T_{13,37} = 2 y$ $T_{13,40} = 3 y$ $T_{14,3} = w x^4 y$ $T_{14,6} = w x^2 y$ $T_{14,9} = 0$ $T_{14,12} = w^2 x^4 y z^2$ $T_{14,15} = 0$ $T_{14,18} = w^2 x^4 y$	$T_{13,2} = w x^2 y$ $T_{13,5} = 0$ $T_{13,8} = w^2 x^4 y$ $T_{13,11} = 0$ $T_{13,14} = 0$ $T_{13,17} = 0$ $T_{13,20} = 0$ $T_{13,23} = w^3 x^4 y$ $T_{13,26} = 0$ $T_{13,29} = w x^4 y \zeta$ $T_{13,32} = w x^2 y z^2 \zeta$ $T_{13,35} = w^2 x^4 y z^2$ $T_{13,38} = w x^4 y \zeta$ $T_{14,1} = 0$ $T_{14,4} = 0$ $T_{14,7} = 0$ $T_{14,10} = 0$ $T_{14,13} = 0$ $T_{14,16} = 0$ $T_{14,19} = 0$	$T_{13,3} = w x^4 y$ $T_{13,6} = w x^2 y z^2$ $T_{13,9} = 0$ $T_{13,12} = w^2 x^4 y z^2$ $T_{13,15} = 0$ $T_{13,18} = w^2 x^4 y z^2$ $T_{13,21} = 0$ $T_{13,24} = 0$ $T_{13,27} = 0$ $T_{13,30} = w x^2 y \zeta$ $T_{13,33} = 0$ $T_{13,36} = 0$ $T_{13,39} = w x^2 y + w x^2 y z^2$ $T_{14,2} = w x^2 y z^2$ $T_{14,5} = 0$ $T_{14,8} = w^2 x^4 y z^2$ $T_{14,11} = 0$ $T_{14,14} = 0$ $T_{14,17} = 0$ $T_{14,20} = 0$	
	$T_{14,21} = 0$ $T_{14,24} = 0$ $T_{14,27} = 0$ $T_{14,30} = w x^2 y z^2 \zeta$ $T_{14,33} = 0$ $T_{14,36} = 0$ $T_{14,39} = w x^2 y z^2 + w x^2 y$ $T_{15,2} = w x^2 y$ $T_{15,5} = 0$ $T_{15,8} = w^2 x^4 y$ $T_{15,11} = 0$ $T_{15,14} = 0$ $T_{15,17} = 0$ $T_{15,20} = 0$ $T_{15,23} = w^3 x^4 y z^{-2}$ $T_{15,26} = 0$ $T_{15,29} = w x^4 y$ $T_{15,32} = w x^2 y$ $T_{15,35} = w^2 x^4 y$ $T_{15,38} = w x^4 y \zeta$ $T_{16,1} = w x^4 y \zeta$ $T_{16,4} = w x^2 y$ $T_{16,7} = 0$ $T_{16,10} = 0$ $T_{16,13} = 0$ $T_{16,16} = 0$ $T_{16,19} = w^2 x^2 y z^{-2}$ $T_{16,22} = 0$ $T_{16,25} = 0$ $T_{16,28} = y$ $T_{16,31} = 0$ $T_{16,34} = 0$ $T_{16,37} = y$ $T_{16,40} = y$ $T_{17,3} = 0$	$T_{14,22} = 0$ $T_{14,25} = 0$ $T_{14,28} = y$ $T_{14,31} = w x^4 y \zeta$ $T_{14,34} = w^2 x^4 y z^2$ $T_{14,37} = 2 y$ $T_{14,40} = 3 y$ $T_{15,3} = w x^4 y \zeta$ $T_{15,6} = w x^2 y$ $T_{15,9} = 0$ $T_{15,12} = 0$ $T_{15,15} = w^2 x^4 y$ $T_{15,18} = w^2 x^4 y$ $T_{15,21} = 0$ $T_{15,24} = 0$ $T_{15,27} = 0$ $T_{15,30} = w x^2 y$ $T_{15,33} = 0$ $T_{15,36} = 0$ $T_{15,39} = 2 w x^2 y$ $T_{16,2} = 0$ $T_{16,5} = 0$ $T_{16,8} = 0$ $T_{16,11} = 0$ $T_{16,14} = w^2 x^6 y \zeta$ $T_{16,17} = 0$ $T_{16,20} = 0$ $T_{16,23} = 0$ $T_{16,26} = w^3 x^4 y z^{-1}$ $T_{16,29} = w x^4 y$ $T_{16,32} = w x^2 y$ $T_{16,35} = w^2 x^4 y$ $T_{16,38} = w x^4 y \zeta$ $T_{17,1} = w x^4 y \zeta$ $T_{17,4} = w x^2 y z$	$T_{14,23} = w^3 x^4 y$ $T_{14,26} = 0$ $T_{14,29} = w x^4 y \zeta$ $T_{14,32} = w x^2 y \zeta$ $T_{14,35} = w^2 x^4 y$ $T_{14,38} = w x^4 y \zeta$ $T_{15,1} = 0$ $T_{15,4} = 0$ $T_{15,7} = 0$ $T_{15,10} = 0$ $T_{15,13} = 0$ $T_{15,16} = 0$ $T_{15,19} = 0$ $T_{15,22} = 0$ $T_{15,25} = 0$ $T_{15,28} = y$ $T_{15,31} = w x^4 y$ $T_{15,34} = w^2 x^4 y$ $T_{15,37} = 2 y$ $T_{15,40} = 3 y$ $T_{16,3} = 0$ $T_{16,6} = w x^2 y$ $T_{16,9} = w^2 x^4 y$ $T_{16,12} = 0$ $T_{16,15} = 0$ $T_{16,18} = 0$ $T_{16,21} = 0$ $T_{16,24} = 0$ $T_{16,27} = 0$ $T_{16,30} =$ $T_{16,33} = 0$ $T_{16,36} =$ $T_{16,39} = 0$ $T_{17,2} = 0$ $T_{17,5} = 0$	



$T_{17,6} = wx^2y$ $T_{17,9} = w^2x^4yz$ $T_{17,12} = 0$ $T_{17,15} = 0$ $T_{17,18} = 0$ $T_{17,21} = 0$ $T_{17,24} = 0$ $T_{17,27} = 0$ $T_{17,30} =$ $T_{17,33} = 0$ $T_{17,36} =$ $T_{17,39} = 0$ $T_{18,2} = 0$ $T_{18,5} = 0$ $T_{18,8} = 0$ $T_{18,11} = 0$ $T_{18,14} = w^2x^6yz\zeta$ $T_{18,17} = 0$ $T_{18,20} = 0$ $T_{18,23} = 0$ $T_{18,26} = w^3x^4y$ $T_{18,29} = wx^4y$ $T_{18,32} = wx^2y$ $T_{18,35} = w^2x^4y$ $T_{18,38} = wx^4y\zeta$ $T_{19,1} = wx^4y\zeta$ $T_{19,4} = wx^2yz$ $T_{19,7} = 0$ $T_{19,10} = 0$ $T_{19,13} = 0$ $T_{19,16} = 0$ $T_{19,19} = w^2x^2y$ $T_{19,22} = 0$ $T_{19,25} = 0$ $T_{19,28} = y$ $T_{19,31} = 0$ $T_{19,34} = 0$ $T_{19,37} = y$ $T_{19,40} = y$ $T_{20,3} = 0$ $T_{20,6} = wx^2y$ $T_{20,9} = 0$ $T_{20,12} = w^2x^4y\zeta$ $T_{20,15} = w^2x^4y$ $T_{20,18} = 0$	$T_{17,7} = 0$ $T_{17,10} = 0$ $T_{17,13} = 0$ $T_{17,16} = 0$ $T_{17,19} = w^2x^2yz^{-1}$ $T_{17,22} = 0$ $T_{17,25} = 0$ $T_{17,28} = y$ $T_{17,31} = 0$ $T_{17,34} = 0$ $T_{17,37} = y$ $T_{17,40} = y$ $T_{18,3} = 0$ $T_{18,6} = wx^2yz$ $T_{18,9} = w^2x^4y$ $T_{18,12} = 0$ $T_{18,15} = 0$ $T_{18,18} = 0$ $T_{18,21} = 0$ $T_{18,24} = 0$ $T_{18,27} = 0$ $T_{18,30} =$ $T_{18,33} = 0$ $T_{18,36} =$ $T_{18,39} = 0$ $T_{19,2} = 0$ $T_{19,5} = 0$ $T_{19,8} = 0$ $T_{19,11} = 0$ $T_{19,14} = w^2x^6yz\zeta$ $T_{19,17} = 0$ $T_{19,20} = 0$ $T_{19,23} = 0$ $T_{19,26} = w^3x^4yz$ $T_{19,29} = wx^4y$ $T_{19,32} = wx^2yz$ $T_{19,35} = w^2x^4yz$ $T_{19,38} = wx^4y\zeta$ $T_{20,1} = 0$ $T_{20,4} = wx^2yz$ $T_{20,7} = 0$ $T_{20,10} = w^2x^2yz^{-1}$ $T_{20,13} = 0$ $T_{20,16} = 0$ $T_{20,19} = w^2x^2yz^{-1}$	$T_{17,8} = 0$ $T_{17,11} = 0$ $T_{17,14} = w^2x^6y\zeta$ $T_{17,17} = 0$ $T_{17,20} = 0$ $T_{17,23} = 0$ $T_{17,26} = w^3x^4y$ $T_{17,29} = wx^4y$ $T_{17,32} = wx^2yz$ $T_{17,35} = w^2x^4yz$ $T_{17,38} = wx^4y\zeta$ $T_{18,1} = wx^4y\zeta$ $T_{18,4} = wx^2y$ $T_{18,7} = 0$ $T_{18,10} = 0$ $T_{18,13} = 0$ $T_{18,16} = 0$ $T_{18,19} = w^2x^2yz^{-1}$ $T_{18,22} = 0$ $T_{18,25} = 0$ $T_{18,28} = y$ $T_{18,31} = 0$ $T_{18,34} = 0$ $T_{18,37} = y$ $T_{18,40} = y$ $T_{19,3} = 0$ $T_{19,6} = wx^2yz$ $T_{19,9} = w^2x^4yz$ $T_{19,12} = 0$ $T_{19,15} = 0$ $T_{19,18} = 0$ $T_{19,21} = 0$ $T_{19,24} = 0$ $T_{19,27} = 0$ $T_{19,30} =$ $T_{19,33} = 0$ $T_{19,36} =$ $T_{19,39} = 0$ $T_{20,2} = wx^2y$ $T_{20,5} = 0$ $T_{20,8} = 0$ $T_{20,11} = 0$ $T_{20,14} = 0$ $T_{20,17} = 0$ $T_{20,20} = 0$
$T_{20,21} = 0$ $T_{20,24} = 0$ $T_{20,27} = w^3x^2yz^{-2}$ $T_{20,30} = wx^2y + wx^2yz$ $T_{20,33} = 0$ $T_{20,36} = 2w^2x^2yz^{-1}$ $T_{20,39} = 2wx^2y + wx^2yz$ $T_{21,2} = wx^2yz$ $T_{21,5} = 0$ $T_{21,8} = 0$ $T_{21,11} = 0$ $T_{21,14} = 0$	$T_{20,22} = 0$ $T_{20,25} = 0$ $T_{20,28} = y$ $T_{20,31} = 0$ $T_{20,34} = 0$ $T_{20,37} = 2y$ $T_{20,40} = 3y$ $T_{21,3} = 0$ $T_{21,6} = wx^2y$ $T_{21,9} = 0$ $T_{21,12} = w^2x^4yz\zeta$ $T_{21,15} = w^2x^4yz$	$T_{20,23} = 0$ $T_{20,26} = 0$ $T_{20,29} = 0$ $T_{20,32} = wx^2yz + wx^2y$ $T_{20,35} = 0$ $T_{20,38} = 0$ $T_{21,1} = 0$ $T_{21,4} = wx^2yz$ $T_{21,7} = 0$ $T_{21,10} = w^2x^2y$ $T_{21,13} = 0$ $T_{21,16} = 0$

$T_{21,17} = 0$	$T_{21,18} = 0$	$T_{21,19} = w^2 x^2 y z^{-1}$
$T_{21,20} = 0$	$T_{21,21} = 0$	$T_{21,22} = 0$
$T_{21,23} = 0$	$T_{21,24} = 0$	$T_{21,25} = 0$
$T_{21,26} = 0$	$T_{21,27} = w^3 x^2 y z^{-1}$	$T_{21,28} = y$
$T_{21,29} = 0$	$T_{21,30} = 2w x^2 y z$	$T_{21,31} = 0$
$T_{21,32} = w x^2 y z + w x^2 y$	$T_{21,33} = 0$	$T_{21,34} = 0$
$T_{21,35} = 0$	$T_{21,36} = w^2 x^2 y + w^2 x^2 y z^{-1}$	$T_{21,37} = 2y$
$T_{21,38} = 0$	$T_{21,39} = 2w x^2 y z + w x^2 y$	$T_{21,40} = 3y$
$T_{22,1} = 0$	$T_{22,2} = w x^2 y$	$T_{22,3} = 0$
$T_{22,4} = w x^2 y z$	$T_{22,5} = 0$	$T_{22,6} = w x^2 y z$
$T_{22,7} = 0$	$T_{22,8} = 0$	$T_{22,9} = 0$
$T_{22,10} = w^2 x^2 y z^{-1}$	$T_{22,11} = 0$	$T_{22,12} = w^2 x^4 y z \zeta$
$T_{22,13} = 0$	$T_{22,14} = 0$	$T_{22,15} = w^2 x^4 y z$
$T_{22,16} = 0$	$T_{22,17} = 0$	$T_{22,18} = 0$
$T_{22,19} = w^2 x^2 y$	$T_{22,20} = 0$	$T_{22,21} = 0$
$T_{22,22} = 0$	$T_{22,23} = 0$	$T_{22,24} = 0$
$T_{22,25} = 0$	$T_{22,26} = 0$	$T_{22,27} = w^3 x^2 y z^{-1}$
$T_{22,28} = y$	$T_{22,29} = 0$	$T_{22,30} = w x^2 y + w x^2 y z$
$T_{22,31} = 0$	$T_{22,32} = 2w x^2 y z$	$T_{22,33} = 0$
$T_{22,34} = 0$	$T_{22,35} = 0$	$T_{22,36} = w^2 x^2 y z^{-1} + w^2 x^2 y$
$T_{22,37} = 2y$	$T_{22,38} = 0$	$T_{22,39} = 2w x^2 y z + w x^2 y$
$T_{22,40} = 3y$	$T_{23,1} = 0$	$T_{23,2} = w x^2 y z$
$T_{23,3} = 0$	$T_{23,4} = w x^2 y z$	$T_{23,5} = 0$
$T_{23,6} = w x^2 y z$	$T_{23,7} = 0$	$T_{23,8} = 0$
$T_{23,9} = 0$	$T_{23,10} = w^2 x^2 y$	$T_{23,11} = 0$
$T_{23,12} = w^2 x^4 y z^2 \zeta$	$T_{23,13} = 0$	$T_{23,14} = 0$
$T_{23,15} = w^2 x^4 y z^2$	$T_{23,16} = 0$	$T_{23,17} = 0$
$T_{23,18} = 0$	$T_{23,19} = w^2 x^2 y$	$T_{23,20} = 0$
$T_{23,21} = 0$	$T_{23,22} = 0$	$T_{23,23} = 0$
$T_{23,24} = 0$	$T_{23,25} = 0$	$T_{23,26} = 0$
$T_{23,27} = w^3 x^2 y$	$T_{23,28} = y$	$T_{23,29} = 0$
$T_{23,30} = 2w x^2 y z$	$T_{23,31} = 0$	$T_{23,32} = 2w x^2 y z$
$T_{23,33} = 0$	$T_{23,34} = 0$	$T_{23,35} = 0$
$T_{23,36} = 2w^2 x^2 y$	$T_{23,37} = 2y$	$T_{23,38} = 0$
$T_{23,39} = 3w x^2 y z$	$T_{23,40} = 3y$	$T_{24,1} = 0$
$T_{24,2} = w x^2 y$	$T_{24,3} = 0$	$T_{24,4} = w x^2 y z$
$T_{24,5} = 0$	$T_{24,6} = w x^2 y$	$T_{24,7} = 0$
$T_{24,8} = 0$	$T_{24,9} = 0$	$T_{24,10} = w^2 x^2 y z^{-1}$
$T_{24,11} = 0$	$T_{24,12} = w^2 x^4 y \zeta$	$T_{24,13} = 0$
$T_{24,14} = 0$	$T_{24,15} = w^2 x^4 y$	$T_{24,16} = 0$
$T_{24,17} = 0$	$T_{24,18} = 0$	$T_{24,19} = w^2 x^2 y z^{-1}$
$T_{24,20} = 0$	$T_{24,21} = 0$	$T_{24,22} = 0$
$T_{24,23} = 0$	$T_{24,24} = 0$	$T_{24,25} = 0$
$T_{24,26} = 0$	$T_{24,27} = w^3 x^2 y z^{-2}$	$T_{24,28} = y$
$T_{24,29} = 0$	$T_{24,30} = w x^2 y + w x^2 y z$	$T_{24,31} = 0$
$T_{24,32} = w x^2 y z + w x^2 y$	$T_{24,33} = 0$	$T_{24,34} = 0$
$T_{24,35} = 0$	$T_{24,36} = 2w^2 x^2 y z^{-1}$	$T_{24,37} = 2y$
$T_{24,38} = 0$	$T_{24,39} = 2w x^2 y + w x^2 y z$	$T_{24,40} = 3y$
$T_{25,1} = 0$	$T_{25,2} = w x^2 y z$	$T_{25,3} = 0$
$T_{25,4} = w x^2 y z$	$T_{25,5} = 0$	$T_{25,6} = w x^2 y$
$T_{25,7} = 0$	$T_{25,8} = 0$	$T_{25,9} = 0$
$T_{25,10} = w^2 x^2 y$	$T_{25,11} = 0$	$T_{25,12} = w^2 x^4 y z \zeta$
$T_{25,13} = 0$	$T_{25,14} = 0$	$T_{25,15} = w^2 x^4 y z$
$T_{25,16} = 0$	$T_{25,17} = 0$	$T_{25,18} = 0$
$T_{25,19} = w^2 x^2 y z^{-1}$	$T_{25,20} = 0$	$T_{25,21} = 0$
$T_{25,22} = 0$	$T_{25,23} = 0$	$T_{25,24} = 0$
$T_{25,25} = 0$	$T_{25,26} = 0$	$T_{25,27} = w^3 x^2 y z^{-1}$

$T_{25,28} = y$	$T_{25,29} = 0$	$T_{25,30} = 2wx^2yz$
$T_{25,31} = 0$	$T_{25,33} = 0$	$T_{25,32} = wx^2yz + wx^2y$
$T_{25,34} = 0$	$T_{25,35} = 0$	$T_{25,36} = w^2x^2y + w^2x^2yz^{-1}$
$T_{25,37} = 2y$	$T_{25,38} = 0$	$T_{25,39} = 2wx^2yz + wx^2y$
$T_{25,40} = 3y$	$T_{26,1} = 0$	$T_{26,2} = wx^2y$
$T_{26,3} = 0$	$T_{26,4} = wx^2yz$	$T_{26,5} = 0$
$T_{26,6} = wx^2yz$	$T_{26,7} = 0$	$T_{26,8} = 0$
$T_{26,9} = 0$	$T_{26,10} = w^2x^2yz^{-1}$	$T_{26,11} = 0$
$T_{26,12} = w^2x^4yz\zeta$	$T_{26,13} = 0$	$T_{26,14} = 0$
$T_{26,15} = w^2x^4yz$	$T_{26,16} = 0$	$T_{26,17} = 0$
$T_{26,18} = 0$	$T_{26,19} = w^2x^2y$	$T_{26,20} = 0$
$T_{26,21} = 0$	$T_{26,22} = 0$	$T_{26,23} = 0$
$T_{26,24} = 0$	$T_{26,25} = 0$	$T_{26,26} = 0$
$T_{26,27} = w^3x^2yz^{-1}$	$T_{26,28} = y$	$T_{26,29} = 0$
$T_{26,30} = wx^2y + wx^2yz$	$T_{26,31} = 0$	$T_{26,32} = 2wx^2yz$
$T_{26,33} = 0$	$T_{26,34} = 0$	$T_{26,35} = 0$
$T_{26,36} = w^2x^2yz^{-1} + w^2x^2y$	$T_{26,37} = 2y$	$T_{26,38} = 0$
$T_{26,39} = 2wx^2yz + wx^2y$	$T_{26,40} = 3y$	$T_{27,1} = 0$
$T_{27,2} = wx^2yz$	$T_{27,3} = 0$	$T_{27,4} = wx^2yz$
$T_{27,5} = 0$	$T_{27,6} = wx^2yz$	$T_{27,7} = 0$
$T_{27,8} = 0$	$T_{27,9} = 0$	$T_{27,10} = w^2x^2y$
$T_{27,11} = 0$	$T_{27,12} = w^2x^4yz^2\zeta$	$T_{27,13} = 0$
$T_{27,14} = 0$	$T_{27,15} = w^2x^4yz^2$	$T_{27,16} = 0$
$T_{27,17} = 0$	$T_{27,18} = 0$	$T_{27,19} = w^2x^2y$
$T_{27,20} = 0$	$T_{27,21} = 0$	$T_{27,22} = 0$
$T_{27,23} = 0$	$T_{27,24} = 0$	$T_{27,25} = 0$
$T_{27,26} = 0$	$T_{27,27} = w^3x^2y$	$T_{27,28} = y$
$T_{27,29} = 0$	$T_{27,30} = 2wx^2yz$	$T_{27,31} = 0$
$T_{27,32} = 2wx^2yz$	$T_{27,33} = 0$	$T_{27,34} = 0$
$T_{27,35} = 0$	$T_{27,36} = 2w^2x^2y$	$T_{27,37} = 2y$
$T_{27,38} = 0$	$T_{27,39} = 3wx^2yz$	$T_{27,40} = 3y$
$T_{28,1} = wx^4y\zeta$	$T_{28,2} = 0$	$T_{28,3} = wx^4y\zeta$
$T_{28,4} = 0$	$T_{28,5} = wx^4y\zeta$	$T_{28,6} = 0$
$T_{28,7} = w^2x^6yz^2\zeta$	$T_{28,8} = 0$	$T_{28,9} = 0$
$T_{28,10} = 0$	$T_{28,11} = w^2x^8y\zeta^2$	$T_{28,12} = 0$
$T_{28,13} = 0$	$T_{28,14} = 0$	$T_{28,15} = 0$
$T_{28,16} = w^2x^6yz^2\zeta$	$T_{28,17} = 0$	$T_{28,18} = 0$
$T_{28,19} = 0$	$T_{28,20} = w^3x^8yz^2\zeta$	$T_{28,21} = 0$
$T_{28,22} = 0$	$T_{28,23} = 0$	$T_{28,24} = 0$
$T_{28,25} = 0$	$T_{28,26} = 0$	$T_{28,27} = 0$
$T_{28,28} = y$	$T_{28,29} = 0$	$T_{28,30} = 0$
$T_{28,31} = 0$	$T_{28,32} = 0$	$T_{28,33} = 0$
$T_{28,34} = 0$	$T_{28,35} = 0$	$T_{28,36} = 0$
$T_{28,37} = 0$	$T_{28,38} = 0$	$T_{28,39} = 0$
$T_{28,40} = 0$	$T_{29,1} = 0$	$T_{29,2} = 0$
$T_{29,3} = 0$	$T_{29,4} = 0$	$T_{29,5} = 0$
$T_{29,6} = 0$	$T_{29,7} = 0$	$T_{29,8} = 0$
$T_{29,9} = 0$	$T_{29,10} = 0$	$T_{29,11} = 0$
$T_{29,12} = 0$	$T_{29,13} = 0$	$T_{29,14} = 0$
$T_{29,15} = 0$	$T_{29,16} = 0$	$T_{29,17} = 0$
$T_{29,18} = 0$	$T_{29,19} = 0$	$T_{29,20} = 0$
$T_{29,21} = 0$	$T_{29,22} = 0$	$T_{29,23} = 0$
$T_{29,24} = 0$	$T_{29,25} = 0$	$T_{29,26} = 0$
$T_{29,27} = 0$	$T_{29,28} = 0$	$T_{29,29} = 0$
$T_{29,30} = wx^2yz^2$	$T_{29,31} = wx^4y\zeta$	$T_{29,32} = 0$
$T_{29,33} = 0$	$T_{29,34} = w^2x^4yz^2$	$T_{29,35} = 0$
$T_{29,36} = 0$	$T_{29,37} = y$	$T_{29,38} = wx^4y\zeta$

$T_{29,39} = 0$	$T_{29,40} = y$	$T_{30,1} = 0$
$T_{30,2} = 0$	$T_{30,3} = 0$	$T_{30,4} = 0$
$T_{30,5} = 0$	$T_{30,6} = 0$	$T_{30,7} = 0$
$T_{30,8} = 0$	$T_{30,9} = 0$	$T_{30,10} = 0$
$T_{30,11} = 0$	$T_{30,12} = 0$	$T_{30,13} = 0$
$T_{30,14} = 0$	$T_{30,15} = 0$	$T_{30,16} = 0$
$T_{30,17} = 0$	$T_{30,18} = 0$	$T_{30,19} = 0$
$T_{30,20} = 0$	$T_{30,21} = 0$	$T_{30,22} = 0$
$T_{30,23} = 0$	$T_{30,24} = 0$	$T_{30,25} = 0$
$T_{30,26} = 0$	$T_{30,27} = 0$	$T_{30,28} = 0$
$T_{30,29} = 0$	$T_{30,30} = wx^2y$	$T_{30,31} = wx^4y\zeta$
$T_{30,32} = 0$	$T_{30,33} = 0$	$T_{30,34} = w^2x^4y$
$T_{30,35} = 0$	$T_{30,36} = 0$	$T_{30,37} = y$
$T_{30,38} = wx^4y\zeta$	$T_{30,39} = 0$	$T_{30,40} = y$
$T_{31,1} = 0$	$T_{31,2} = 0$	$T_{31,3} = 0$
$T_{31,4} = 0$	$T_{31,5} = 0$	$T_{31,6} = 0$
$T_{31,7} = 0$	$T_{31,8} = 0$	$T_{31,9} = 0$
$T_{31,10} = 0$	$T_{31,11} = 0$	$T_{31,12} = 0$
$T_{31,13} = 0$	$T_{31,14} = 0$	$T_{31,15} = 0$
$T_{31,16} = 0$	$T_{31,17} = 0$	$T_{31,18} = 0$
$T_{31,19} = 0$	$T_{31,20} = 0$	$T_{31,21} = 0$
$T_{31,22} = 0$	$T_{31,23} = 0$	$T_{31,24} = 0$
$T_{31,25} = 0$	$T_{31,26} = 0$	$T_{31,27} = 0$
$T_{31,28} = 0$	$T_{31,29} = wx^4y\zeta$	$T_{31,30} = 0$
$T_{31,31} = 0$	$T_{31,32} = wx^2yz^2$	$T_{31,33} = 0$
$T_{31,34} = 0$	$T_{31,35} = w^2x^4yz^2$	$T_{31,36} = 0$
$T_{31,37} = y$	$T_{31,38} = wx^4y\zeta$	$T_{31,39} = 0$
$T_{31,40} = y$	$T_{32,1} = 0$	$T_{32,2} = 0$
$T_{32,3} = 0$	$T_{32,4} = 0$	$T_{32,5} = 0$
$T_{32,6} = 0$	$T_{32,7} = 0$	$T_{32,8} = 0$
$T_{32,9} = 0$	$T_{32,10} = 0$	$T_{32,11} = 0$
$T_{32,12} = 0$	$T_{32,13} = 0$	$T_{32,14} = 0$
$T_{32,15} = 0$	$T_{32,16} = 0$	$T_{32,17} = 0$
$T_{32,18} = 0$	$T_{32,19} = 0$	$T_{32,20} = 0$
$T_{32,21} = 0$	$T_{32,22} = 0$	$T_{32,23} = 0$
$T_{32,24} = 0$	$T_{32,25} = 0$	$T_{32,26} = 0$
$T_{32,27} = 0$	$T_{32,28} = 0$	$T_{32,29} = wx^4y\zeta$
$T_{32,30} = 0$	$T_{32,31} = 0$	$T_{32,32} = wx^2y$
$T_{32,33} = 0$	$T_{32,34} = 0$	$T_{32,35} = w^2x^4y$
$T_{32,36} = 0$	$T_{32,37} = y$	$T_{32,38} = wx^4y\zeta$
$T_{32,39} = 0$	$T_{32,40} = y$	$T_{33,1} = 0$
$T_{33,2} = 0$	$T_{33,3} = 0$	$T_{33,4} = 0$
$T_{33,5} = 0$	$T_{33,6} = 0$	$T_{33,7} = 0$
$T_{33,8} = 0$	$T_{33,9} = 0$	$T_{33,10} = 0$
$T_{33,11} = 0$	$T_{33,12} = 0$	$T_{33,13} = 0$
$T_{33,14} = 0$	$T_{33,15} = 0$	$T_{33,16} = 0$
$T_{33,17} = 0$	$T_{33,18} = 0$	$T_{33,19} = 0$
$T_{33,20} = 0$	$T_{33,21} = 0$	$T_{33,22} = 0$
$T_{33,23} = 0$	$T_{33,24} = 0$	$T_{33,25} = 0$
$T_{33,26} = 0$	$T_{33,27} = 0$	$T_{33,28} = 0$
$T_{33,29} = 0$	$T_{33,30} = wx^2y$	$T_{33,31} = 0$
$T_{33,32} = wx^2y$	$T_{33,33} = 0$	$T_{33,34} = 0$
$T_{33,35} = 0$	$T_{33,36} = w^2x^2yz^{-2}$	$T_{33,37} = y$
$T_{33,38} = 0$	$T_{33,39} = 2wx^2y$	$T_{33,40} = 2y$
$T_{34,1} = 0$	$T_{34,2} = 0$	$T_{34,3} = 0$
$T_{34,4} = 0$	$T_{34,5} = 0$	$T_{34,6} = 0$
$T_{34,7} = 0$	$T_{34,8} = 0$	$T_{34,9} = 0$

$T_{34,10} = 0$	$T_{34,11} = 0$	$T_{34,12} = 0$
$T_{34,13} = 0$	$T_{34,14} = 0$	$T_{34,15} = 0$
$T_{34,16} = 0$	$T_{34,17} = 0$	$T_{34,18} = 0$
$T_{34,19} = 0$	$T_{34,20} = 0$	$T_{34,21} = 0$
$T_{34,22} = 0$	$T_{34,23} = 0$	$T_{34,24} = 0$
$T_{34,25} = 0$	$T_{34,26} = 0$	$T_{34,27} = 0$
$T_{34,28} = 0$	$T_{34,29} = 0$	$T_{34,30} = wx^2yz$
$T_{34,31} = 0$	$T_{34,32} = wx^2y$	$T_{34,33} = 0$
$T_{34,34} = 0$	$T_{34,35} = 0$	$T_{34,36} = w^2x^2yz^{-1}$
$T_{34,37} = y$	$T_{34,38} = 0$	$T_{34,39} = wx^2yz + wx^2y$
$T_{34,40} = 2y$	$T_{35,1} = 0$	$T_{35,2} = 0$
$T_{35,3} = 0$	$T_{35,4} = 0$	$T_{35,5} = 0$
$T_{35,6} = 0$	$T_{35,7} = 0$	$T_{35,8} = 0$
$T_{35,9} = 0$	$T_{35,10} = 0$	$T_{35,11} = 0$
$T_{35,12} = 0$	$T_{35,13} = 0$	$T_{35,14} = 0$
$T_{35,15} = 0$	$T_{35,16} = 0$	$T_{35,17} = 0$
$T_{35,18} = 0$	$T_{35,19} = 0$	$T_{35,20} = 0$
$T_{35,21} = 0$	$T_{35,22} = 0$	$T_{35,23} = 0$
$T_{35,24} = 0$	$T_{35,25} = 0$	$T_{35,26} = 0$
$T_{35,27} = 0$	$T_{35,28} = 0$	$T_{35,29} = 0$
$T_{35,30} = wx^2y$	$T_{35,31} = 0$	$T_{35,32} = wx^2yz$
$T_{35,33} = 0$	$T_{35,34} = 0$	$T_{35,35} = 0$
$T_{35,36} = w^2x^2yz^{-1}$	$T_{35,37} = y$	$T_{35,38} = 0$
$T_{35,39} = wx^2y + wx^2yz$	$T_{35,40} = 2y$	$T_{36,1} = 0$
$T_{36,2} = 0$	$T_{36,3} = 0$	$T_{36,4} = 0$
$T_{36,5} = 0$	$T_{36,6} = 0$	$T_{36,7} = 0$
$T_{36,8} = 0$	$T_{36,9} = 0$	$T_{36,10} = 0$
$T_{36,11} = 0$	$T_{36,12} = 0$	$T_{36,13} = 0$
$T_{36,14} = 0$	$T_{36,15} = 0$	$T_{36,16} = 0$
$T_{36,17} = 0$	$T_{36,18} = 0$	$T_{36,19} = 0$
$T_{36,20} = 0$	$T_{36,21} = 0$	$T_{36,22} = 0$
$T_{36,23} = 0$	$T_{36,24} = 0$	$T_{36,25} = 0$
$T_{36,26} = 0$	$T_{36,27} = 0$	$T_{36,28} = 0$
$T_{36,29} = 0$	$T_{36,30} = wx^2yz$	$T_{36,31} = 0$
$T_{36,32} = wx^2yz$	$T_{36,33} = 0$	$T_{36,34} = 0$
$T_{36,35} = 0$	$T_{36,36} = w^2x^2y$	$T_{36,37} = y$
$T_{36,38} = 0$	$T_{36,39} = 2wx^2yz$	$T_{36,40} = 2y$
$T_{37,1} = 0$	$T_{37,2} = 0$	$T_{37,3} = 0$
$T_{37,4} = 0$	$T_{37,5} = 0$	$T_{37,6} = 0$
$T_{37,7} = 0$	$T_{37,8} = 0$	$T_{37,9} = 0$
$T_{37,10} = 0$	$T_{37,11} = 0$	$T_{37,12} = 0$
$T_{37,13} = 0$	$T_{37,14} = 0$	$T_{37,15} = 0$
$T_{37,16} = 0$	$T_{37,17} = 0$	$T_{37,18} = 0$
$T_{37,19} = 0$	$T_{37,20} = 0$	$T_{37,21} = 0$
$T_{37,22} = 0$	$T_{37,23} = 0$	$T_{37,24} = 0$
$T_{37,25} = 0$	$T_{37,26} = 0$	$T_{37,27} = 0$
$T_{37,28} = 0$	$T_{37,29} = wx^4y\zeta$	$T_{37,30} = 0$
$T_{37,31} = wx^4y\zeta$	$T_{37,32} = 0$	$T_{37,33} = w^2x^6yz^2\zeta$
$T_{37,34} = 0$	$T_{37,35} = 0$	$T_{37,36} = 0$
$T_{37,37} = y$	$T_{37,38} = 0$	$T_{37,39} = 0$
$T_{37,40} = 0$	$T_{38,1} = 0$	$T_{38,2} = 0$
$T_{38,3} = 0$	$T_{38,4} = 0$	$T_{38,5} = 0$
$T_{38,6} = 0$	$T_{38,7} = 0$	$T_{38,8} = 0$
$T_{38,9} = 0$	$T_{38,10} = 0$	$T_{38,11} = 0$
$T_{38,12} = 0$	$T_{38,13} = 0$	$T_{38,14} = 0$
$T_{38,15} = 0$	$T_{38,16} = 0$	$T_{38,17} = 0$
$T_{38,18} = 0$	$T_{38,19} = 0$	$T_{38,20} = 0$

$T_{38,21} = 0$	$T_{38,22} = 0$	$T_{38,23} = 0$
$T_{38,24} = 0$	$T_{38,25} = 0$	$T_{38,26} = 0$
$T_{38,27} = 0$	$T_{38,28} = 0$	$T_{38,29} = 0$
$T_{38,30} = 0$	$T_{38,31} = 0$	$T_{38,32} = 0$
$T_{38,33} = 0$	$T_{38,34} = 0$	$T_{38,35} = 0$
$T_{38,36} = 0$	$T_{38,37} = 0$	$T_{38,38} = 0$
$T_{38,39} = wx^2yz^2$	$T_{38,40} = y$	$T_{39,1} = 0$
$T_{39,2} = 0$	$T_{39,3} = 0$	$T_{39,4} = 0$
$T_{39,5} = 0$	$T_{39,6} = 0$	$T_{39,7} = 0$
$T_{39,8} = 0$	$T_{39,9} = 0$	$T_{39,10} = 0$
$T_{39,11} = 0$	$T_{39,12} = 0$	$T_{39,13} = 0$
$T_{39,14} = 0$	$T_{39,15} = 0$	$T_{39,16} = 0$
$T_{39,17} = 0$	$T_{39,18} = 0$	$T_{39,19} = 0$
$T_{39,20} = 0$	$T_{39,21} = 0$	$T_{39,22} = 0$
$T_{39,23} = 0$	$T_{39,24} = 0$	$T_{39,25} = 0$
$T_{39,26} = 0$	$T_{39,27} = 0$	$T_{39,28} = 0$
$T_{39,29} = 0$	$T_{39,30} = 0$	$T_{39,31} = 0$
$T_{39,32} = 0$	$T_{39,33} = 0$	$T_{39,34} = 0$
$T_{39,35} = 0$	$T_{39,36} = 0$	$T_{39,37} = 0$
$T_{39,38} = 0$	$T_{39,39} = wx^2y$	$T_{39,40} = y$
$T_{40,1} = 0$	$T_{40,2} = 0$	$T_{40,3} = 0$
$T_{40,4} = 0$	$T_{40,5} = 0$	$T_{40,6} = 0$
$T_{40,7} = 0$	$T_{40,8} = 0$	$T_{40,9} = 0$
$T_{40,10} = 0$	$T_{40,11} = 0$	$T_{40,12} = 0$
$T_{40,13} = 0$	$T_{40,14} = 0$	$T_{40,15} = 0$
$T_{40,16} = 0$	$T_{40,17} = 0$	$T_{40,18} = 0$
$T_{40,19} = 0$	$T_{40,20} = 0$	$T_{40,21} = 0$
$T_{40,22} = 0$	$T_{40,23} = 0$	$T_{40,24} = 0$
$T_{40,25} = 0$	$T_{40,26} = 0$	$T_{40,27} = 0$
$T_{40,28} = 0$	$T_{40,29} = 0$	$T_{40,30} = 0$
$T_{40,31} = 0$	$T_{40,32} = 0$	$T_{40,33} = 0$
$T_{40,34} = 0$	$T_{40,35} = 0$	$T_{40,36} = 0$
$T_{40,37} = 0$	$T_{40,38} = wx^4y\zeta$	$T_{40,39} = 0$
$T_{40,40} = y$		

TABLE 0.6: Matrice  $\mathcal{M}_{F3}$ .

Matrice  $\mathcal{M}_3$

En suivant l'ordre de numérotation, dans le tableau ??, des états de  $\mathcal{A}_3$  nous avons la matrice  $\mathcal{M}_3$  telle que présentée dans le tableau ??.

$e_1 = (100, 000, \{\{0\}\})$	$e_2 = (100, 100, \{\{0\}\})$	$e_3 = (010, 000, \{\{0\}\})$
$e_4 = (010, 010, \{\{0\}\})$	$e_5 = (001, 000, \{\{0\}\})$	$e_6 = (001, 001, \{\{0\}\})$
$e_7 = (110, 110, \{\{0\}\})$	$e_8 = (110, 210, \{\{0\}\})$	$e_9 = (110, 120, \{\{0\}\})$
$e_{10} = (110, 220, \{\{0\}\})$	$e_{11} = (101, 000, \{\{0\}, \{1\}\})$	
$e_{12} = (101, 101, \{\{0\}, \{1\}\})$	$e_{13} = (101, 100, \{\{0\}, \{1\}\})$	
$e_{14} = (101, 001, \{\{0\}, \{1\}\})$	$e_{15} = (101, 101, \{\{0\}, \{1\}\})$	

$e_{16} = (011, 011, \{\{0\}\})$	$e_{17} = (011, 021, \{\{0\}\})$	$e_{18} = (011, 012, \{\{0\}\})$
$e_{19} = (011, 022, \{\{0\}\})$	$e_{20} = (111, 121, \{\{0\}\})$	$e_{21} = (111, 221, \{\{0\}\})$
$e_{22} = (111, 122, \{\{0\}\})$	$e_{23} = (111, 222, \{\{0\}\})$	$e_{24} = (111, 131, \{\{0\}\})$
$e_{25} = (111, 231, \{\{0\}\})$	$e_{26} = (111, 132, \{\{0\}\})$	$e_{27} = (111, 232, \{\{0\}\})$
	$e_{28} = (10, 00, \{\{0\}\})$	$e_{29} = (10, 10, \{\{0\}\})$
$e_{30} = (01, 00, \{\{0\}\})$	$e_{31} = (01, 01, \{\{0\}\})$	$e_{32} = (11, 11, \{\{0\}\})$
$e_{33} = (11, 21, \{\{0\}\})$	$e_{34} = (11, 12, \{\{0\}\})$	$e_{35} = (11, 22, \{\{0\}\})$
$e_{36} = (1, 0, \{\{0\}\})$	$e_{37} = (1, 1, \{\{0\}\})$	

TABLE 0.7: Les états de  $\mathcal{A}_3$ .

$T_{1,1} = 0$	$T_{1,2} = yz^2wx^2$	$T_{1,3} = 0$
$T_{1,4} = 0$	$T_{1,5} = 0$	$T_{1,6} = 0$
$T_{1,7} = 0$	$T_{1,8} = yz^2w^2x^4$	$T_{1,9} = 0$
$T_{1,10} = 0$	$T_{1,11} = 0$	$T_{1,12} = 0$
$T_{1,13} = yz^2w^2x^6$	$T_{1,14} = 0$	$T_{1,15} = 0$
$T_{1,16} = 0$	$T_{1,17} = 0$	$T_{1,18} = 0$
$T_{1,19} = 0$	$T_{1,20} = 0$	$T_{1,21} = yz^2w^3x^6$
$T_{1,22} = 0$	$T_{1,23} = 0$	$T_{1,24} = 0$
$T_{1,25} = 0$	$T_{1,26} = 0$	$T_{1,27} = 0$
$T_{1,28} = 0$	$T_{1,29} = 0$	$T_{1,30} = 0$
$T_{1,31} = 0$	$T_{1,32} = 0$	$T_{1,33} = 0$
$T_{1,34} = 0$	$T_{1,35} = 0$	$T_{1,36} = 0$
$T_{1,37} = 0$	$T_{2,1} = 0$	$T_{2,2} = ywx^2$
$T_{2,3} = 0$	$T_{2,4} = 0$	$T_{2,5} = 0$
$T_{2,6} = 0$	$T_{2,7} = 0$	$T_{2,8} = yw^2x^4$
$T_{2,9} = 0$	$T_{2,10} = 0$	$T_{2,11} = 0$
$T_{2,12} = 0$	$T_{2,13} = yw^2x^6$	$T_{2,14} = 0$
$T_{2,15} = 0$	$T_{2,16} = 0$	$T_{2,17} = 0$
$T_{2,18} = 0$	$T_{2,19} = 0$	$T_{2,20} = 0$
$T_{2,21} = yw^3x^6$	$T_{2,22} = 0$	$T_{2,23} = 0$
$T_{2,24} = 0$	$T_{2,25} = 0$	$T_{2,26} = 0$
$T_{2,27} = 0$	$T_{2,28} = 0$	$T_{2,29} = 0$
$T_{2,30} = 0$	$T_{2,31} = 0$	$T_{2,32} = 0$
$T_{2,33} = 0$	$T_{2,34} = 0$	$T_{2,35} = 0$
$T_{2,36} = 0$	$T_{2,37} = 0$	$T_{3,1} = 0$
$T_{3,2} = 0$	$T_{3,3} = 0$	$T_{3,4} = yz^2wx^2$
$T_{3,5} = 0$	$T_{3,6} = 0$	$T_{3,7} = 0$
$T_{3,8} = 0$	$T_{3,9} = yz^2w^2x^4$	$T_{3,10} = 0$
$T_{3,11} = 0$	$T_{3,12} = 0$	$T_{3,13} = 0$
$T_{3,14} = 0$	$T_{3,15} = 0$	$T_{3,16} = 0$
$T_{3,17} = yz^2w^2x^4$	$T_{3,18} = 0$	$T_{3,19} = 0$
$T_{3,20} = 0$	$T_{3,21} = 0$	$T_{3,22} = 0$
$T_{3,23} = 0$	$T_{3,24} = yz^3w^3x^6$	$T_{3,25} = 0$
$T_{3,26} = 0$	$T_{3,27} = 0$	$T_{3,28} = 0$
$T_{3,29} = 0$	$T_{3,30} = 0$	$T_{3,31} = 0$
$T_{3,32} = 0$	$T_{3,33} = 0$	$T_{3,34} = 0$
$T_{3,35} = 0$	$T_{3,36} = 0$	$T_{3,37} = 0$

$T_{4,1} = 0$	$T_{4,2} = 0$	$T_{4,3} = 0$
$T_{4,4} = ywx^2$	$T_{4,5} = 0$	$T_{4,6} = 0$
$T_{4,7} = 0$	$T_{4,8} = 0$	$T_{4,9} = yw^2x^4$
$T_{4,10} = 0$	$T_{4,11} = 0$	$T_{4,12} = 0$
$T_{4,13} = 0$	$T_{4,14} = 0$	$T_{4,15} = 0$
$T_{4,16} = 0$	$T_{4,17} = yw^2x^4$	$T_{4,18} = 0$
$T_{4,19} = 0$	$T_{4,20} = 0$	$T_{4,21} = 0$
$T_{4,22} = 0$	$T_{4,23} = 0$	$T_{4,24} = yzw^3x^6$
$T_{4,25} = 0$	$T_{4,26} = 0$	$T_{4,27} = 0$
$T_{4,28} = 0$	$T_{4,29} = 0$	$T_{4,30} = 0$
$T_{4,31} = 0$	$T_{4,32} = 0$	$T_{4,33} = 0$
$T_{4,34} = 0$	$T_{4,35} = 0$	$T_{4,36} = 0$
$T_{4,37} = 0$	$T_{5,1} = 0$	$T_{5,2} = 0$
$T_{5,3} = 0$	$T_{5,4} = 0$	$T_{5,5} = 0$
$T_{5,6} = yz^2wx^2$	$T_{5,7} = 0$	$T_{5,8} = 0$
$T_{5,9} = 0$	$T_{5,10} = 0$	$T_{5,11} = 0$
$T_{5,12} = 0$	$T_{5,13} = 0$	$T_{5,14} = yz^2w^2x^6$
$T_{5,15} = 0$	$T_{5,16} = 0$	$T_{5,17} = 0$
$T_{5,18} = yz^2w^2x^4$	$T_{5,19} = 0$	$T_{5,20} = 0$
$T_{5,21} = 0$	$T_{5,22} = yz^2w^3x^6$	$T_{5,23} = 0$
$T_{5,24} = 0$	$T_{5,25} = 0$	$T_{5,26} = 0$
$T_{5,27} = 0$	$T_{5,28} = 0$	$T_{5,29} = 0$
$T_{5,30} = 0$	$T_{5,31} = 0$	$T_{5,32} = 0$
$T_{5,33} = 0$	$T_{5,34} = 0$	$T_{5,35} = 0$
$T_{5,36} = 0$	$T_{5,37} = 0$	$T_{6,1} = 0$
$T_{6,2} = 0$	$T_{6,3} = 0$	$T_{6,4} = 0$
$T_{6,5} = 0$	$T_{6,6} = ywx^2$	$T_{6,7} = 0$
$T_{6,8} = 0$	$T_{6,9} = 0$	$T_{6,10} = 0$
$T_{6,11} = 0$	$T_{6,12} = 0$	$T_{6,13} = 0$
$T_{6,14} = yw^2x^6$	$T_{6,15} = 0$	$T_{6,16} = 0$
$T_{6,17} = 0$	$T_{6,18} = yw^2x^4$	$T_{6,19} = 0$
$T_{6,20} = 0$	$T_{6,21} = 0$	$T_{6,22} = yw^3x^6$
$T_{6,23} = 0$	$T_{6,24} = 0$	$T_{6,25} = 0$
$T_{6,26} = 0$	$T_{6,27} = 0$	$T_{6,28} = 0$
$T_{6,29} = 0$	$T_{6,30} = 0$	$T_{6,31} = 0$
$T_{6,32} = 0$	$T_{6,33} = 0$	$T_{6,34} = 0$
$T_{6,35} = 0$	$T_{6,36} = 0$	$T_{6,37} = 0$
$T_{7,1} = 0$	$T_{7,2} = ywx^2$	$T_{7,3} = 0$
$T_{7,4} = ywx^2$	$T_{7,5} = 0$	$T_{7,6} = 0$
$T_{7,7} = 0$	$T_{7,8} = 0$	$T_{7,9} = 0$
$T_{7,10} = yz^{-2}w^2x^2$	$T_{7,11} = 0$	$T_{7,12} = 0$
$T_{7,13} = yw^2x^6$	$T_{7,14} = 0$	$T_{7,15} = 0$
$T_{7,16} = 0$	$T_{7,17} = yw^2x^4$	$T_{7,18} = 0$
$T_{7,19} = 0$	$T_{7,20} = 0$	$T_{7,21} = 0$
$T_{7,22} = 0$	$T_{7,23} = 0$	$T_{7,24} = 0$
$T_{7,25} = yz^{-1}w^3x^4$	$T_{7,26} = 0$	$T_{7,27} = 0$
$T_{7,28} = 0$	$T_{7,29} = ywx^2$	$T_{7,30} = 0$
$T_{7,31} = 0$	$T_{7,32} = 0$	$T_{7,33} = yw^2x^4$
$T_{7,34} = 0$	$T_{7,35} = 0$	$T_{7,36} = 0$
$T_{7,37} = 0$	$T_{8,1} = 0$	$T_{8,2} = yzwx^2$
$T_{8,3} = 0$	$T_{8,4} = ywx^2$	$T_{8,5} = 0$
$T_{8,6} = 0$	$T_{8,7} = 0$	$T_{8,8} = 0$
$T_{8,9} = 0$	$T_{8,10} = yz^{-1}w^2x^2$	$T_{8,11} = 0$
$T_{8,12} = 0$	$T_{8,13} = yzw^2x^6$	$T_{8,14} = 0$
$T_{8,15} = 0$	$T_{8,16} = 0$	$T_{8,17} = yw^2x^4$
$T_{8,18} = 0$	$T_{8,19} = 0$	$T_{8,20} = 0$
$T_{8,21} = 0$	$T_{8,22} = 0$	$T_{8,23} = 0$



$T_{8,24} = 0$	$T_{8,25} = yw^3x^4$	$T_{8,26} = 0$
$T_{8,27} = 0$	$T_{8,28} = 0$	$T_{8,29} = ywx^2$
$T_{8,30} = 0$	$T_{8,31} = 0$	$T_{8,32} = 0$
$T_{8,33} = yw^2x^4$	$T_{8,34} = 0$	$T_{8,35} = 0$
$T_{8,36} = 0$	$T_{8,37} = 0$	$T_{9,1} = 0$
$T_{9,2} = ywx^2$	$T_{9,3} = 0$	$T_{9,4} = yzwx^2$
$T_{9,5} = 0$	$T_{9,6} = 0$	$T_{9,7} = 0$
$T_{9,8} = 0$	$T_{9,9} = 0$	$T_{9,10} = yz^{-1}w^2x^2$
$T_{9,11} = 0$	$T_{9,12} = 0$	$T_{9,13} = yw^2x^6$
$T_{9,14} = 0$	$T_{9,15} = 0$	$T_{9,16} = 0$
$T_{9,17} = yzw^2x^4$	$T_{9,18} = 0$	$T_{9,19} = 0$
$T_{9,20} = 0$	$T_{9,21} = 0$	$T_{9,22} = 0$
$T_{9,23} = 0$	$T_{9,24} = 0$	$T_{9,25} = yw^3x^4$
$T_{9,26} = 0$	$T_{9,27} = 0$	$T_{9,28} = 0$
$T_{9,29} = yzwx^2$	$T_{9,30} = 0$	$T_{9,31} = 0$
$T_{9,32} = 0$	$T_{9,33} = yzw^2x^4$	$T_{9,34} = 0$
$T_{9,35} = 0$	$T_{9,36} = 0$	$T_{9,37} = 0$
$T_{10,1} = 0$	$T_{10,2} = yzwx^2$	$T_{10,3} = 0$
$T_{10,4} = yzwx^2$	$T_{10,5} = 0$	$T_{10,6} = 0$
$T_{10,7} = 0$	$T_{10,8} = 0$	$T_{10,9} = 0$
$T_{10,10} = yw^2x^2$	$T_{10,11} = 0$	$T_{10,12} = 0$
$T_{10,13} = yzw^2x^6$	$T_{10,14} = 0$	$T_{10,15} = 0$
$T_{10,16} = 0$	$T_{10,17} = yzw^2x^4$	$T_{10,18} = 0$
$T_{10,19} = 0$	$T_{10,20} = 0$	$T_{10,21} = 0$
$T_{10,22} = 0$	$T_{10,23} = 0$	$T_{10,24} = 0$
$T_{10,25} = yzw^3x^4$	$T_{10,26} = 0$	$T_{10,27} = 0$
$T_{10,28} = 0$	$T_{10,29} = yzwx^2$	$T_{10,30} = 0$
$T_{10,31} = 0$	$T_{10,32} = 0$	$T_{10,33} = yzw^2x^4$
$T_{10,34} = 0$	$T_{10,35} = 0$	$T_{10,36} = 0$
$T_{10,37} = 0$	$T_{11,1} = 0$	$T_{11,2} = 0$
$T_{11,3} = 0$	$T_{11,4} = 0$	$T_{11,5} = 0$
$T_{11,6} = 0$	$T_{11,7} = 0$	$T_{11,8} = 0$
$T_{11,9} = 0$	$T_{11,10} = 0$	$T_{11,11} = 0$
$T_{11,12} = yz^4w^2x^4$	$T_{11,13} = 0$	$T_{11,14} = 0$
$T_{11,15} = 0$	$T_{11,16} = 0$	$T_{11,17} = 0$
$T_{11,18} = 0$	$T_{11,19} = 0$	$T_{11,20} = 0$
$T_{11,21} = 0$	$T_{11,22} = 0$	$T_{11,23} = yz^2w^3x^4$
$T_{11,24} = 0$	$T_{11,25} = 0$	$T_{11,26} = 0$
$T_{11,27} = 0$	$T_{11,28} = 0$	$T_{11,29} = 0$
$T_{11,30} = 0$	$T_{11,31} = 0$	$T_{11,32} = 0$
$T_{11,33} = 0$	$T_{11,34} = 0$	$T_{11,35} = 0$
$T_{11,36} = 0$	$T_{11,37} = 0$	$T_{12,1} = 0$
$T_{12,2} = 0$	$T_{12,3} = 0$	$T_{12,4} = 0$
$T_{12,5} = 0$	$T_{12,6} = 0$	$T_{12,7} = 0$
$T_{12,8} = 0$	$T_{12,9} = 0$	$T_{12,10} = 0$
$T_{12,11} = 0$	$T_{12,12} = yw^2x^4$	$T_{12,13} = 0$
$T_{12,14} = 0$	$T_{12,15} = 0$	$T_{12,16} = 0$
$T_{12,17} = 0$	$T_{12,18} = 0$	$T_{12,19} = 0$
$T_{12,20} = 0$	$T_{12,21} = 0$	$T_{12,22} = 0$
$T_{12,23} = yz^{-2}w^3x^4$	$T_{12,24} = 0$	$T_{12,25} = 0$
$T_{12,26} = 0$	$T_{12,27} = 0$	$T_{12,28} = 0$
$T_{12,29} = 0$	$T_{12,30} = 0$	$T_{12,31} = 0$
$T_{12,32} = 0$	$T_{12,33} = 0$	$T_{12,34} = 0$
$T_{12,35} = 0$	$T_{12,36} = 0$	$T_{12,37} = 0$
$T_{13,1} = 0$	$T_{13,2} = 0$	$T_{13,3} = 0$
$T_{13,4} = 0$	$T_{13,5} = 0$	$T_{13,6} = 0$
$T_{13,7} = 0$	$T_{13,8} = 0$	$T_{13,9} = 0$

$T_{13,10} = 0$	$T_{13,11} = 0$	$T_{13,12} = yz^2w^2x^4$
$T_{13,13} = 0$	$T_{13,14} = 0$	$T_{13,15} = 0$
$T_{13,16} = 0$	$T_{13,17} = 0$	$T_{13,18} = 0$
$T_{13,19} = 0$	$T_{13,20} = 0$	$T_{13,21} = 0$
$T_{13,22} = 0$	$T_{13,23} = yzw^3x^4$	$T_{13,24} = 0$
$T_{13,25} = 0$	$T_{13,26} = 0$	$T_{13,27} = 0$
$T_{13,28} = 0$	$T_{13,29} = 0$	$T_{13,30} = 0$
$T_{13,31} = 0$	$T_{13,32} = 0$	$T_{13,33} = 0$
$T_{13,34} = 0$	$T_{13,35} = 0$	$T_{13,36} = 0$
$T_{13,37} = 0$	$T_{14,1} = 0$	$T_{14,2} = 0$
$T_{14,3} = 0$	$T_{14,4} = 0$	$T_{14,5} = 0$
$T_{14,6} = 0$	$T_{14,7} = 0$	$T_{14,8} = 0$
$T_{14,9} = 0$	$T_{14,10} = 0$	$T_{14,11} = 0$
$T_{14,12} = yz^2w^2x^4$	$T_{14,13} = 0$	$T_{14,14} = 0$
$T_{14,15} = 0$	$T_{14,16} = 0$	$T_{14,17} = 0$
$T_{14,18} = 0$	$T_{14,19} = 0$	$T_{14,20} = 0$
$T_{14,21} = 0$	$T_{14,22} = 0$	$T_{14,23} = yw^3x^4$
$T_{14,24} = 0$	$T_{14,25} = 0$	$T_{14,26} = 0$
$T_{14,27} = 0$	$T_{14,28} = 0$	$T_{14,29} = 0$
$T_{14,30} = 0$	$T_{14,31} = 0$	$T_{14,32} = 0$
$T_{14,33} = 0$	$T_{14,34} = 0$	$T_{14,35} = 0$
$T_{14,36} = 0$	$T_{14,37} = 0$	$T_{15,1} = 0$
$T_{15,2} = ywx^2$	$T_{15,3} = 0$	$T_{15,4} = 0$
$T_{15,5} = 0$	$T_{15,6} = ywx^2$	$T_{15,7} = 0$
$T_{15,8} = yw^2x^4$	$T_{15,9} = 0$	$T_{15,10} = 0$
$T_{15,11} = 0$	$T_{15,12} = 0$	$T_{15,13} = 0$
$T_{15,14} = 0$	$T_{15,15} = yw^2x^4$	$T_{15,16} = 0$
$T_{15,17} = 0$	$T_{15,18} = yw^2x^4$	$T_{15,19} = 0$
$T_{15,20} = 0$	$T_{15,21} = 0$	$T_{15,22} = 0$
$T_{15,23} = yz^{-2}w^3x^4$	$T_{15,24} = 0$	$T_{15,25} = 0$
$T_{15,26} = 0$	$T_{15,27} = 0$	$T_{15,28} = 0$
$T_{15,29} = ywx^2$	$T_{15,30} = 0$	$T_{15,31} = ywx^2$
$T_{15,32} = 0$	$T_{15,33} = yw^2x^4$	$T_{15,34} = yw^2x^4$
$T_{15,35} = 0$	$T_{15,36} = 0$	$T_{15,37} = 2ywx^2$
$T_{16,1} = 0$	$T_{16,2} = 0$	$T_{16,3} = 0$
$T_{16,4} = ywx^2$	$T_{16,5} = 0$	$T_{16,6} = ywx^2$
$T_{16,7} = 0$	$T_{16,8} = 0$	$T_{16,9} = yw^2x^4$
$T_{16,10} = 0$	$T_{16,11} = 0$	$T_{16,12} = 0$
$T_{16,13} = 0$	$T_{16,14} = yw^2x^6$	$T_{16,15} = 0$
$T_{16,16} = 0$	$T_{16,17} = 0$	$T_{16,18} = 0$
$T_{16,19} = yz^{-2}w^2x^2$	$T_{16,20} = 0$	$T_{16,21} = 0$
$T_{16,22} = 0$	$T_{16,23} = 0$	$T_{16,24} = 0$
$T_{16,25} = 0$	$T_{16,26} = yz^{-1}w^3x^4$	$T_{16,27} = 0$
$T_{16,28} = 0$	$T_{16,29} = 0$	$T_{16,30} = 0$
$T_{16,31} = ywx^2$	$T_{16,32} = 0$	$T_{16,33} = 0$
$T_{16,34} = yw^2x^4$	$T_{16,35} = 0$	$T_{16,36} = 0$
$T_{16,37} = 0$	$T_{17,1} = 0$	$T_{17,2} = 0$
$T_{17,3} = 0$	$T_{17,4} = yzx^2$	$T_{17,5} = 0$
$T_{17,6} = ywx^2$	$T_{17,7} = 0$	$T_{17,8} = 0$
$T_{17,9} = yzw^2x^4$	$T_{17,10} = 0$	$T_{17,11} = 0$
$T_{17,12} = 0$	$T_{17,13} = 0$	$T_{17,14} = yw^2x^6$
$T_{17,15} = 0$	$T_{17,16} = 0$	$T_{17,17} = 0$
$T_{17,18} = 0$	$T_{17,19} = yz^{-1}w^2x^2$	$T_{17,20} = 0$
$T_{17,21} = 0$	$T_{17,22} = 0$	$T_{17,23} = 0$
$T_{17,24} = 0$	$T_{17,25} = 0$	$T_{17,26} = yw^3x^4$
$T_{17,27} = 0$	$T_{17,28} = 0$	$T_{17,29} = 0$
$T_{17,30} = 0$	$T_{17,31} = yzwx^2$	$T_{17,32} = 0$

	$T_{17,33} = 0$ $T_{17,36} = 0$ $T_{18,2} = 0$ $T_{18,5} = 0$ $T_{18,8} = 0$ $T_{18,11} = 0$ $T_{18,14} = yzw^2x^6$ $T_{18,17} = 0$ $T_{18,20} = 0$ $T_{18,23} = 0$ $T_{18,26} = yw^3x^4$ $T_{18,29} = 0$ $T_{18,32} = 0$ $T_{18,35} = 0$ $T_{19,1} = 0$ $T_{19,4} = yzwx^2$ $T_{19,7} = 0$ $T_{19,10} = 0$ $T_{19,13} = 0$ $T_{19,16} = 0$ $T_{19,19} = yw^2x^2$ $T_{19,22} = 0$ $T_{19,25} = 0$ $T_{19,28} = 0$ $T_{19,31} = yzwx^2$ $T_{19,34} = yzw^2x^4$ $T_{19,37} = 0$ $T_{20,3} = 0$ $T_{20,6} = ywx^2$ $T_{20,9} = 0$ $T_{20,12} = 0$ $T_{20,15} = yw^2x^4$	$T_{17,34} = yzw^2x^4$ $T_{17,37} = 0$ $T_{18,3} = 0$ $T_{18,6} = yzwx^2$ $T_{18,9} = yw^2x^4$ $T_{18,12} = 0$ $T_{18,15} = 0$ $T_{18,18} = 0$ $T_{18,21} = 0$ $T_{18,24} = 0$ $T_{18,27} = 0$ $T_{18,30} = 0$ $T_{18,33} = 0$ $T_{18,36} = 0$ $T_{19,2} = 0$ $T_{19,5} = 0$ $T_{19,8} = 0$ $T_{19,11} = 0$ $T_{19,14} = yzw^2x^6$ $T_{19,17} = 0$ $T_{19,20} = 0$ $T_{19,23} = 0$ $T_{19,26} = yzw^3x^4$ $T_{19,29} = 0$ $T_{19,32} = 0$ $T_{19,35} = 0$ $T_{20,1} = 0$ $T_{20,4} = yzwx^2$ $T_{20,7} = 0$ $T_{20,10} = yz^{-1}w^2x^2$ $T_{20,13} = 0$ $T_{20,16} = 0$	$T_{17,35} = 0$ $T_{18,1} = 0$ $T_{18,4} = ywx^2$ $T_{18,7} = 0$ $T_{18,10} = 0$ $T_{18,13} = 0$ $T_{18,16} = 0$ $T_{18,19} = yz^{-1}w^2x^2$ $T_{18,22} = 0$ $T_{18,25} = 0$ $T_{18,28} = 0$ $T_{18,31} = ywx^2$ $T_{18,34} = yw^2x^4$ $T_{18,37} = 0$ $T_{19,3} = 0$ $T_{19,6} = yzwx^2$ $T_{19,9} = yzw^2x^4$ $T_{19,12} = 0$ $T_{19,15} = 0$ $T_{19,18} = 0$ $T_{19,21} = 0$ $T_{19,24} = 0$ $T_{19,27} = 0$ $T_{19,30} = 0$ $T_{19,33} = 0$ $T_{19,36} = 0$ $T_{20,2} = ywx^2$ $T_{20,5} = 0$ $T_{20,8} = 0$ $T_{20,11} = 0$ $T_{20,14} = 0$ $T_{20,17} = 0$
$T_{20,18} = 0$ $T_{20,21} = 0$ $T_{20,24} = 0$ $T_{20,27} = yz^{-2}w^3x^2$ $T_{20,30} = 0$ $T_{20,33} = 0$ $T_{20,36} = 0$ $T_{21,2} = yzwx^2$ $T_{21,5} = 0$ $T_{21,8} = 0$ $T_{21,11} = 0$ $T_{21,14} = 0$ $T_{21,17} = 0$ $T_{21,20} = 0$ $T_{21,23} = 0$ $T_{21,26} = 0$ $T_{21,29} = 2yzwx^2$ $T_{21,32} = 0$ $T_{21,35} = yw^2x^2 + yz^{-1}w^2x^2$ $T_{22,1} = 0$ $T_{22,4} = yzwx^2$ $T_{22,7} = 0$ $T_{22,10} = yz^{-1}w^2x^2$ $T_{22,13} = 0$ $T_{22,16} = 0$	$T_{20,19} = yz^{-1}w^2x^2$ $T_{20,22} = 0$ $T_{20,25} = 0$ $T_{20,28} = 0$ $T_{20,31} = yzwx^2 + ywx^2$ $T_{20,34} = 0$ $T_{20,37} = 2yw^2x^2 + yz^{-1}w^2x^2$ $T_{21,3} = 0$ $T_{21,6} = ywx^2$ $T_{21,9} = 0$ $T_{21,12} = 0$ $T_{21,15} = yzw^2x^4$ $T_{21,18} = 0$ $T_{21,21} = 0$ $T_{21,24} = 0$ $T_{21,27} = yz^{-1}w^3x^2$ $T_{21,30} = 0$ $T_{21,33} = 0$ $T_{21,36} = 0$ $T_{22,2} = ywx^2$ $T_{22,5} = 0$ $T_{22,8} = 0$ $T_{22,11} = 0$ $T_{22,14} = 0$ $T_{22,17} = 0$	$T_{20,20} = 0$ $T_{20,23} = 0$ $T_{20,26} = 0$ $T_{20,29} = yzwx^2 + ywx^2$ $T_{20,32} = 0$ $T_{20,35} = 2yz^{-1}w^2x^2$ $T_{21,1} = 0$ $T_{21,4} = yzwx^2$ $T_{21,7} = 0$ $T_{21,10} = yw^2x^2$ $T_{21,13} = 0$ $T_{21,16} = 0$ $T_{21,19} = yz^{-1}w^2x^2$ $T_{21,22} = 0$ $T_{21,25} = 0$ $T_{21,28} = 0$ $T_{21,31} = yzwx^2 + ywx^2$ $T_{21,34} = 0$ $T_{21,37} = 2yzwx^2 + ywx^2$ $T_{22,3} = 0$ $T_{22,6} = yzwx^2$ $T_{22,9} = 0$ $T_{22,12} = 0$ $T_{22,15} = yzw^2x^4$ $T_{22,18} = 0$	

$T_{22,19} = yw^2x^2$	$T_{22,20} = 0$	$T_{22,21} = 0$
$T_{22,22} = 0$	$T_{22,23} = 0$	$T_{22,24} = 0$
$T_{22,25} = 0$	$T_{22,26} = 0$	$T_{22,27} = yz^{-1}w^3x^2$
$T_{22,28} = 0$	$T_{22,29} = yzwx^2 + ywx^2$	$T_{22,30} = 0$
$T_{22,31} = 2yzwx^2$	$T_{22,32} = 0$	$T_{22,33} = 0$
$T_{22,34} = 0$	$T_{22,35} = yw^2x^2 + yz^{-1}w^2x^2$	$T_{22,36} = 0$
$T_{22,37} = 2yzwx^2 + ywx^2$	$T_{23,1} = 0$	$T_{23,2} = yzwx^2$
$T_{23,3} = 0$	$T_{23,4} = yzwx^2$	$T_{23,5} = 0$
$T_{23,6} = yzwx^2$	$T_{23,7} = 0$	$T_{23,8} = 0$
$T_{23,9} = 0$	$T_{23,10} = yw^2x^2$	$T_{23,11} = 0$
$T_{23,12} = 0$	$T_{23,13} = 0$	$T_{23,14} = 0$
$T_{23,15} = yz^2w^2x^4$	$T_{23,16} = 0$	$T_{23,17} = 0$
$T_{23,18} = 0$	$T_{23,19} = yw^2x^2$	$T_{23,20} = 0$
$T_{23,21} = 0$	$T_{23,22} = 0$	$T_{23,23} = 0$
$T_{23,24} = 0$	$T_{23,25} = 0$	$T_{23,26} = 0$
$T_{23,27} = yw^3x^2$	$T_{23,28} = 0$	$T_{23,29} = 2yzwx^2$
$T_{23,30} = 0$	$T_{23,31} = 2yzwx^2$	$T_{23,32} = 0$
$T_{23,33} = 0$	$T_{23,34} = 0$	$T_{23,35} = 2yw^2x^2$
$T_{23,36} = 0$	$T_{23,37} = 3yzwx^2$	$T_{24,1} = 0$
$T_{24,2} = ywx^2$	$T_{24,3} = 0$	$T_{24,4} = yzwx^2$
$T_{24,5} = 0$	$T_{24,6} = ywx^2$	$T_{24,7} = 0$
$T_{24,8} = 0$	$T_{24,9} = 0$	$T_{24,10} = yz^{-1}w^2x^2$
$T_{24,11} = 0$	$T_{24,12} = 0$	$T_{24,13} = 0$
$T_{24,14} = 0$	$T_{24,15} = yw^2x^4$	$T_{24,16} = 0$
$T_{24,17} = 0$	$T_{24,18} = 0$	$T_{24,19} = yz^{-1}w^2x^2$
$T_{24,20} = 0$	$T_{24,21} = 0$	$T_{24,22} = 0$
$T_{24,23} = 0$	$T_{24,24} = 0$	$T_{24,25} = 0$
$T_{24,26} = 0$	$T_{24,27} = yz^{-2}w^3x^2$	$T_{24,28} = 0$
$T_{24,29} = yzwx^2 + ywx^2$	$T_{24,30} = 0$	$T_{24,31} = yzwx^2 + ywx^2$
$T_{24,32} = 0$	$T_{24,33} = 0$	$T_{24,34} = 0$
$T_{24,35} = 2yz^{-1}w^2x^2$	$T_{24,36} = 0$	$T_{24,37} = yzwx^2 + 2ywx^2$
$T_{25,1} = 0$	$T_{25,2} = yzwx^2$	$T_{25,3} = 0$
$T_{25,4} = yzwx^2$	$T_{25,5} = 0$	$T_{25,6} = ywx^2$
$T_{25,7} = 0$	$T_{25,8} = 0$	$T_{25,9} = 0$
$T_{25,10} = yw^2x^2$	$T_{25,11} = 0$	$T_{25,12} = 0$
$T_{25,13} = 0$	$T_{25,14} = 0$	$T_{25,15} = yzw^2x^4$
$T_{25,16} = 0$	$T_{25,17} = 0$	$T_{25,18} = 0$
$T_{25,19} = yz^{-1}w^2x^2$	$T_{25,20} = 0$	$T_{25,21} = 0$
$T_{25,22} = 0$	$T_{25,23} = 0$	$T_{25,24} = 0$
$T_{25,25} = 0$	$T_{25,26} = 0$	$T_{25,27} = yz^{-1}w^3x^2$
$T_{25,28} = 0$	$T_{25,29} = 2yzwx^2$	$T_{25,30} = 0$
$T_{25,31} = yzwx^2 + ywx^2$	$T_{25,32} = 0$	$T_{25,33} = 0$
$T_{25,34} = 0$	$T_{25,35} = yw^2x^2 + yz^{-1}w^2x^2$	$T_{25,36} = 0$
$T_{25,37} = 2yzwx^2 + ywx^2$	$T_{26,1} = 0$	$T_{26,2} = ywx^2$
$T_{26,3} = 0$	$T_{26,4} = yzwx^2$	$T_{26,5} = 0$
$T_{26,6} = yzwx^2$	$T_{26,7} = 0$	$T_{26,8} = 0$
$T_{26,9} = 0$	$T_{26,10} = yz^{-1}w^2x^2$	$T_{26,11} = 0$
$T_{26,12} = 0$	$T_{26,13} = 0$	$T_{26,14} = 0$
$T_{26,15} = yzw^2x^4$	$T_{26,16} = 0$	$T_{26,17} = 0$
$T_{26,18} = 0$	$T_{26,19} = yw^2x^2$	$T_{26,20} = 0$
$T_{26,21} = 0$	$T_{26,22} = 0$	$T_{26,23} = 0$
$T_{26,24} = 0$	$T_{26,25} = 0$	$T_{26,26} = 0$
$T_{26,27} = yz^{-1}w^3x^2$	$T_{26,28} = 0$	$T_{26,29} = yzwx^2 + ywx^2$
$T_{26,30} = 0$	$T_{26,31} = 2yzwx^2$	$T_{26,32} = 0$
$T_{26,33} = 0$	$T_{26,34} = 0$	$T_{26,35} = yw^2x^2 + yz^{-1}w^2x^2$
$T_{26,36} = 0$	$T_{26,37} = 2yzwx^2 + ywx^2$	$T_{27,1} = 0$
$T_{27,2} = yzwx^2$	$T_{27,3} = 0$	$T_{27,4} = yzwx^2$

$T_{27,5} = 0$	$T_{27,6} = yzw^2x^2$	$T_{27,7} = 0$
$T_{27,8} = 0$	$T_{27,9} = 0$	$T_{27,10} = yw^2x^2$
$T_{27,11} = 0$	$T_{27,12} = 0$	$T_{27,13} = 0$
$T_{27,14} = 0$	$T_{27,15} = yz^2w^2x^4$	$T_{27,16} = 0$
$T_{27,17} = 0$	$T_{27,18} = 0$	$T_{27,19} = yw^2x^2$
$T_{27,20} = 0$	$T_{27,21} = 0$	$T_{27,22} = 0$
$T_{27,23} = 0$	$T_{27,24} = 0$	$T_{27,25} = 0$
$T_{27,26} = 0$	$T_{27,27} = yw^3x^2$	$T_{27,28} = 0$
$T_{27,29} = 2yzwx^2$	$T_{27,30} = 0$	$T_{27,31} = 2yzwx^2$
$T_{27,32} = 0$	$T_{27,33} = 0$	$T_{27,34} = 0$
$T_{27,35} = 2yw^2x^2$	$T_{27,36} = 0$	$T_{27,37} = 3yzwx^2$
$T_{28,1} = 0$	$T_{28,2} = 0$	$T_{28,3} = 0$
$T_{28,4} = 0$	$T_{28,5} = 0$	$T_{28,6} = 0$
$T_{28,7} = 0$	$T_{28,8} = 0$	$T_{28,9} = 0$
$T_{28,10} = 0$	$T_{28,11} = 0$	$T_{28,12} = 0$
$T_{28,13} = 0$	$T_{28,14} = 0$	$T_{28,15} = 0$
$T_{28,16} = 0$	$T_{28,17} = 0$	$T_{28,18} = 0$
$T_{28,19} = 0$	$T_{28,20} = 0$	$T_{28,21} = 0$
$T_{28,22} = 0$	$T_{28,23} = 0$	$T_{28,24} = 0$
$T_{28,25} = 0$	$T_{28,26} = 0$	$T_{28,27} = 0$
$T_{28,28} = 0$	$T_{28,29} = yz^2wx^2$	$T_{28,30} = 0$
$T_{28,31} = 0$	$T_{28,32} = 0$	$T_{28,33} = yz^2w^2x^4$
$T_{28,34} = 0$	$T_{28,35} = 0$	$T_{28,36} = 0$
$T_{28,37} = 0$	$T_{29,1} = 0$	$T_{29,2} = 0$
$T_{29,3} = 0$	$T_{29,4} = 0$	$T_{29,5} = 0$
$T_{29,6} = 0$	$T_{29,7} = 0$	$T_{29,8} = 0$
$T_{29,9} = 0$	$T_{29,10} = 0$	$T_{29,11} = 0$
$T_{29,12} = 0$	$T_{29,13} = 0$	$T_{29,14} = 0$
$T_{29,15} = 0$	$T_{29,16} = 0$	$T_{29,17} = 0$
$T_{29,18} = 0$	$T_{29,19} = 0$	$T_{29,20} = 0$
$T_{29,21} = 0$	$T_{29,22} = 0$	$T_{29,23} = 0$
$T_{29,24} = 0$	$T_{29,25} = 0$	$T_{29,26} = 0$
$T_{29,27} = 0$	$T_{29,28} = 0$	$T_{29,29} = ywx^2$
$T_{29,30} = 0$	$T_{29,31} = 0$	$T_{29,32} = 0$
$T_{29,33} = yw^2x^4$	$T_{29,34} = 0$	$T_{29,35} = 0$
$T_{29,36} = 0$	$T_{29,37} = 0$	$T_{30,1} = 0$
$T_{30,2} = 0$	$T_{30,3} = 0$	$T_{30,4} = 0$
$T_{30,5} = 0$	$T_{30,6} = 0$	$T_{30,7} = 0$
$T_{30,8} = 0$	$T_{30,9} = 0$	$T_{30,10} = 0$
$T_{30,11} = 0$	$T_{30,12} = 0$	$T_{30,13} = 0$
$T_{30,14} = 0$	$T_{30,15} = 0$	$T_{30,16} = 0$
$T_{30,17} = 0$	$T_{30,18} = 0$	$T_{30,19} = 0$
$T_{30,20} = 0$	$T_{30,21} = 0$	$T_{30,22} = 0$
$T_{30,23} = 0$	$T_{30,24} = 0$	$T_{30,25} = 0$
$T_{30,26} = 0$	$T_{30,27} = 0$	$T_{30,28} = 0$
$T_{30,29} = 0$	$T_{30,30} = 0$	$T_{30,31} = yz^2wx^2$
$T_{30,32} = 0$	$T_{30,33} = 0$	$T_{30,34} = yz^2w^2x^4$
$T_{30,35} = 0$	$T_{30,36} = 0$	$T_{30,37} = 0$
$T_{31,1} = 0$	$T_{31,2} = 0$	$T_{31,3} = 0$
$T_{31,4} = 0$	$T_{31,5} = 0$	$T_{31,6} = 0$
$T_{31,7} = 0$	$T_{31,8} = 0$	$T_{31,9} = 0$
$T_{31,10} = 0$	$T_{31,11} = 0$	$T_{31,12} = 0$
$T_{31,13} = 0$	$T_{31,14} = 0$	$T_{31,15} = 0$
$T_{31,16} = 0$	$T_{31,17} = 0$	$T_{31,18} = 0$
$T_{31,19} = 0$	$T_{31,20} = 0$	$T_{31,21} = 0$
$T_{31,22} = 0$	$T_{31,23} = 0$	$T_{31,24} = 0$
$T_{31,25} = 0$	$T_{31,26} = 0$	$T_{31,27} = 0$

$T_{31,28} = 0$	$T_{31,29} = 0$	$T_{31,30} = 0$
$T_{31,31} = ywx^2$	$T_{31,32} = 0$	$T_{31,33} = 0$
$T_{31,34} = yw^2x^4$	$T_{31,35} = 0$	$T_{31,36} = 0$
$T_{31,37} = 0$	$T_{32,1} = 0$	$T_{32,2} = 0$
$T_{32,3} = 0$	$T_{32,4} = 0$	$T_{32,5} = 0$
$T_{32,6} = 0$	$T_{32,7} = 0$	$T_{32,8} = 0$
$T_{32,9} = 0$	$T_{32,10} = 0$	$T_{32,11} = 0$
$T_{32,12} = 0$	$T_{32,13} = 0$	$T_{32,14} = 0$
$T_{32,15} = 0$	$T_{32,16} = 0$	$T_{32,17} = 0$
$T_{32,18} = 0$	$T_{32,19} = 0$	$T_{32,20} = 0$
$T_{32,21} = 0$	$T_{32,22} = 0$	$T_{32,23} = 0$
$T_{32,24} = 0$	$T_{32,25} = 0$	$T_{32,26} = 0$
$T_{32,27} = 0$	$T_{32,28} = 0$	$T_{32,29} = ywx^2$
$T_{32,30} = 0$	$T_{32,31} = ywx^2$	$T_{32,32} = 0$
$T_{32,33} = 0$	$T_{32,34} = 0$	$T_{32,35} = yz^{-2}w^2x^2$
$T_{32,36} = 0$	$T_{32,37} = 2ywx^2$	$T_{33,1} = 0$
$T_{33,2} = 0$	$T_{33,3} = 0$	$T_{33,4} = 0$
$T_{33,5} = 0$	$T_{33,6} = 0$	$T_{33,7} = 0$
$T_{33,8} = 0$	$T_{33,9} = 0$	$T_{33,10} = 0$
$T_{33,11} = 0$	$T_{33,12} = 0$	$T_{33,13} = 0$
$T_{33,14} = 0$	$T_{33,15} = 0$	$T_{33,16} = 0$
$T_{33,17} = 0$	$T_{33,18} = 0$	$T_{33,19} = 0$
$T_{33,20} = 0$	$T_{33,21} = 0$	$T_{33,22} = 0$
$T_{33,23} = 0$	$T_{33,24} = 0$	$T_{33,25} = 0$
$T_{33,26} = 0$	$T_{33,27} = 0$	$T_{33,28} = 0$
$T_{33,29} = yzwx^2$	$T_{33,30} = 0$	$T_{33,31} = ywx^2$
$T_{33,32} = 0$	$T_{33,33} = 0$	$T_{33,34} = 0$
$T_{33,35} = yz^{-1}w^2x^2$	$T_{33,36} = 0$	$T_{33,37} = yzwx^2 + ywx^2$
$T_{34,1} = 0$	$T_{34,2} = 0$	$T_{34,3} = 0$
$T_{34,4} = 0$	$T_{34,5} = 0$	$T_{34,6} = 0$
$T_{34,7} = 0$	$T_{34,8} = 0$	$T_{34,9} = 0$
$T_{34,10} = 0$	$T_{34,11} = 0$	$T_{34,12} = 0$
$T_{34,13} = 0$	$T_{34,14} = 0$	$T_{34,15} = 0$
$T_{34,16} = 0$	$T_{34,17} = 0$	$T_{34,18} = 0$
$T_{34,19} = 0$	$T_{34,20} = 0$	$T_{34,21} = 0$
$T_{34,22} = 0$	$T_{34,23} = 0$	$T_{34,24} = 0$
$T_{34,25} = 0$	$T_{34,26} = 0$	$T_{34,27} = 0$
$T_{34,28} = 0$	$T_{34,29} = ywx^2$	$T_{34,30} = 0$
$T_{34,31} = yzwx^2$	$T_{34,32} = 0$	$T_{34,33} = 0$
$T_{34,34} = 0$	$T_{34,35} = yz^{-1}w^2x^2$	$T_{34,36} = 0$
$T_{34,37} = yzwx^2 + ywx^2$	$T_{35,1} = 0$	$T_{35,2} = 0$
$T_{35,3} = 0$	$T_{35,4} = 0$	$T_{35,5} = 0$
$T_{35,6} = 0$	$T_{35,7} = 0$	$T_{35,8} = 0$
$T_{35,9} = 0$	$T_{35,10} = 0$	$T_{35,11} = 0$
$T_{35,12} = 0$	$T_{35,13} = 0$	$T_{35,14} = 0$
$T_{35,15} = 0$	$T_{35,16} = 0$	$T_{35,17} = 0$
$T_{35,18} = 0$	$T_{35,19} = 0$	$T_{35,20} = 0$
$T_{35,21} = 0$	$T_{35,22} = 0$	$T_{35,23} = 0$
$T_{35,24} = 0$	$T_{35,25} = 0$	$T_{35,26} = 0$
$T_{35,27} = 0$	$T_{35,28} = 0$	$T_{35,29} = yzwx^2$
$T_{35,30} = 0$	$T_{35,31} = yzwx^2$	$T_{35,32} = 0$
$T_{35,33} = 0$	$T_{35,34} = 0$	$T_{35,35} = yw^2x^2$
$T_{35,36} = 0$	$T_{35,37} = 2yzwx^2$	$T_{36,1} = 0$
$T_{36,2} = 0$	$T_{36,3} = 0$	$T_{36,4} = 0$
$T_{36,5} = 0$	$T_{36,6} = 0$	$T_{36,7} = 0$
$T_{36,8} = 0$	$T_{36,9} = 0$	$T_{36,10} = 0$
$T_{36,11} = 0$	$T_{36,12} = 0$	$T_{36,13} = 0$

$T_{36,14} = 0$	$T_{36,15} = 0$	$T_{36,16} = 0$
$T_{36,17} = 0$	$T_{36,18} = 0$	$T_{36,19} = 0$
$T_{36,20} = 0$	$T_{36,21} = 0$	$T_{36,22} = 0$
$T_{36,23} = 0$	$T_{36,24} = 0$	$T_{36,25} = 0$
$T_{36,26} = 0$	$T_{36,27} = 0$	$T_{36,28} = 0$
$T_{36,29} = 0$	$T_{36,30} = 0$	$T_{36,31} = 0$
$T_{36,32} = 0$	$T_{36,33} = 0$	$T_{36,34} = 0$
$T_{36,35} = 0$	$T_{36,36} = 0$	$T_{36,37} = yz^2wx^2$
$T_{37,1} = 0$	$T_{37,2} = 0$	$T_{37,3} = 0$
$T_{37,4} = 0$	$T_{37,5} = 0$	$T_{37,6} = 0$
$T_{37,7} = 0$	$T_{37,8} = 0$	$T_{37,9} = 0$
$T_{37,10} = 0$	$T_{37,11} = 0$	$T_{37,12} = 0$
$T_{37,13} = 0$	$T_{37,14} = 0$	$T_{37,15} = 0$
$T_{37,16} = 0$	$T_{37,17} = 0$	$T_{37,18} = 0$
$T_{37,19} = 0$	$T_{37,20} = 0$	$T_{37,21} = 0$
$T_{37,22} = 0$	$T_{37,23} = 0$	$T_{37,24} = 0$
$T_{37,25} = 0$	$T_{37,26} = 0$	$T_{37,27} = 0$
$T_{37,28} = 0$	$T_{37,29} = 0$	$T_{37,30} = 0$
$T_{37,31} = 0$	$T_{37,32} = 0$	$T_{37,33} = 0$
$T_{37,34} = 0$	$T_{37,35} = 0$	$T_{37,36} = 0$
$T_{37,37} = ywx^2$		

TABLE 0.8: Matrice  $\mathcal{M}_3$ .

Quelques exemples d'énumérations de polyominos inscrits dans le rectangle  $3 \times 4$

Dans cette section, nous allons présenter quelques résultats sur les polyominos inscrits dans le rectangle  $3 \times 4$ .

On considère, pour cela, la matrice  $\mathcal{M}_3$ . On désigne par  $\mathcal{M}_{3,3}$  le cube de  $\mathcal{M}_3$ . Les états initiaux de  $\mathcal{A}_3$  sont  $e_1, e_3, e_5, e_7, e_{11}, e_{16}$  et  $e_{20}$ . Ses états finaux sont  $e_{15}, e_{21}, e_{22}, e_{23}, e_{24}, e_{25}, e_{26}, e_{27}, e_{33}, e_{34}, e_{35}$  et  $e_{37}$ . D'après la proposition ??, tout polyomino résultant d'une suite de transitions à 4 états partant d'un état initial à un état final, de  $\mathcal{A}_3$ , est inscrit dans le rectangle  $3 \times 4$ . Ainsi pour un état initial  $e_i$  et un état final  $e_j$  de  $\mathcal{A}_3$ , l'entrée  $\mathcal{M}_{3,3}(i, j)$  de la matrice  $\mathcal{M}_{3,3}$  nous donne les informations nécessaires sur le nombre de polyominos de hauteur 4 issus de ces deux états. Si  $n_f, n_a$  et  $n_p$  sont respectivement le nombre de feuilles, l'aire et le périmètre de  $e_i$  et si  $\mathcal{M}_{3,3}(i, j) = z^{n_z}w^{n_w}x^{n_x}y^{n_y}$  alors  $n_f + n_z, n_a + n_w, n_p + n_x, 1 + n_y$  sont respectivement le nombre de feuilles, l'aire, le périmètre et la hauteur du polyomino résultant.

Cas des états  $e_1$  et  $e_{15}$

$$\mathcal{M}_{3,3}(1, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
1	8	18	4	3
1	7	16	4	3
1	9	16	4	3
1	8	16	4	3

Cas des états  $e_1$  et  $e_{21}$

$$\mathcal{M}_{3,3}(1, 21) = y^3 z^2 w^5 x^{10} + y^3 z^3 w^6 x^{12} + y^3 z^3 w^7 x^{14}$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
1	6	14	4	2
1	7	16	4	3
1	8	18	4	3

Cas des états  $e_1$  et  $e_{22}$

$$\mathcal{M}_{3,3}(1, 22) = x^{14} y^3 z^2 w^7$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
1	8	18	4	2

Cas des états  $e_1$  et  $e_{23}$

$$\mathcal{M}_{3,3}(1, 23) = z w^8 x^{14} y^3$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
1	9	18	4	1



Cas des états  $e_1$  et  $e_{24}$

$$\mathcal{M}_{3,3}(1, 24) = y^3 z^3 w^6 x^{12} + y^3 z^4 w^7 x^{14}$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
1	7	16	4	3
1	8	18	4	4

Cas des états  $e_1$  et  $e_{25}$

$$\mathcal{M}_{3,3}(1, 25) = x^{10} y^3 z^2 w^6 + x^{10} y^3 z^2 w^7 + x^{12} y^3 z^3 w^8$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
1	7	14	4	2
1	8	14	4	2
1	9	16	4	3

Cas des états  $e_1$  et  $e_{26}$

$$\mathcal{M}_{3,3}(1, 26) = y^3 z^2 w^8 x^{12} + y^3 z^2 w^7 x^{12}$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
1	9	16	4	3
1	8	16	4	2

Cas des états  $e_1$  et  $e_{33}$

$$\mathcal{M}_{3,3}(1, 33) = 2y^3 z^3 w^6 x^{12} + y^3 z^3 w^7 x^{14} + y^3 z^3 w^7 x^{12} + y^3 z^2 w^6 x^{10} + 2y^3 z^2 w^5 x^{10} + y^3 z^2 w^5 x^{12}$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
2	7	16	4	3
1	8	18	4	3
1	8	16	4	3
1	7	14	4	2
2	6	14	4	2
1	6	16	4	2

Cas des états  $e_1$  et  $e_{34}$

$$\mathcal{M}_{3,3}(1, 34) = y^3 z^3 w^6 x^{12} + y^3 z^3 w^7 x^{14} + y^3 z^2 w^5 x^{12} + y^3 z^2 w^7 x^{12}$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
1	7	16	4	3
1	8	18	4	3
1	6	16	4	2
1	8	16	4	2

Cas des états  $e_1$  et  $e_{35}$

$$\mathcal{M}_{3,3}(1, 35) = 2x^{10}y^3zw^8 + x^{10}y^3z^2w^5 + x^{10}y^3zw^6 + x^{10}y^3w^6$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
2	9	14	4	1
1	6	14	4	2
1	7	14	4	1
1	7	14	4	0

Cas des états  $e_1$  et  $e_{37}$

$$\mathcal{M}_{3,3}(1, 37) = 2y^3z^3w^6x^{12} + 2y^3zw^5x^{10} + 2y^3z^2w^4x^{10} + 3y^3z^2w^7x^{10} + 2y^3z^4w^4x^{10}$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
2	7	16	4	3
2	6	14	4	1
2	5	14	4	2
3	8	14	4	2
2	5	14	4	4

Cas des états  $e_{20}$  et  $e_{37}$

$e_{20}$  a 2 feuilles, 3 cellules et 8 comme périmètre.

$$\mathcal{M}_{3,3}(20, 37) = 3z^2w^7x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 2z^4w^4x^{10}y^3 + 2z^2w^4x^{10}y^3$$

Nbre de polyominos	Nbre de cellules	Périmètre	hauteur	Nbre de feuilles
3	10	18	4	4
2	9	20	4	5
2	8	18	4	3
2	7	18	4	6
2	7	18	4	4

On retrouve ci-dessous l'intégralité de la matrice  $\mathcal{M}_{3,3}$ .

$$\mathcal{M}_{3,3}(1, 1) = 0$$

$$\mathcal{M}_{3,3}(1, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(1, 3) = 0$$

$$\mathcal{M}_{3,3}(1, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(1, 5) = 0$$

$$\mathcal{M}_{3,3}(1, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(1,7) = 0$$

$$\mathcal{M}_{3,3}(1,8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(1,9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(1,11) = 0$$

$$\mathcal{M}_{3,3}(1,12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(1,14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(1,15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,16) = 0$$

$$\mathcal{M}_{3,3}(1,17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(1,20) = 0$$

$$\mathcal{M}_{3,3}(1,21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(1,23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(1,24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(1,27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(1,28) = 0$$

$$\mathcal{M}_{3,3}(1,29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(1,30) = 0$$

$$\mathcal{M}_{3,3}(1,31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(1,32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(1,33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(1,34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(1,35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(1,36) = 0$$

$$\mathcal{M}_{3,3}(1,37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(2,1) = 0$$

$$\mathcal{M}_{3,3}(2,2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(2,3) = 0$$

$$\mathcal{M}_{3,3}(2,4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(2,5) = 0$$

$$\mathcal{M}_{3,3}(2,6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(2,7) = 0$$

$$\mathcal{M}_{3,3}(2,8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(2,9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(2,10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(2,11) = 0$$

$$\mathcal{M}_{3,3}(2,12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(2,13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(2,14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(2,15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(2,16) = 0$$

$$\mathcal{M}_{3,3}(2,17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(2,18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(2,19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(2,20) = 0$$

$$\mathcal{M}_{3,3}(2,21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(2,22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(2,23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(2, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(2, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(2, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(2, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(2, 28) = 0$$

$$\mathcal{M}_{3,3}(2, 29) = z^2 w^4 x^{10} y^3 + 5 z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 3 z^3 w^6 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(2, 30) = 0$$

$$\mathcal{M}_{3,3}(2, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(2, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(2, 33) = 2 z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(2, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(2, 35) = z^2 w^5 x^{10} y^3 + 2 z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(2, 36) = 0$$

$$\mathcal{M}_{3,3}(2, 37) = 2 z^2 w^4 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + 2 z w^5 x^{10} y^3 + 3 z^2 w^7 x^{10} y^3 + 2 z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(3, 1) = 0$$

$$\mathcal{M}_{3,3}(3, 2) = 2 z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2 z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(3, 3) = 0$$

$$\mathcal{M}_{3,3}(3, 4) = 3 z^3 w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(3, 5) = 0$$

$$\mathcal{M}_{3,3}(3, 6) = 3 z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2 z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(3, 7) = 0$$

$$\mathcal{M}_{3,3}(3, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(3, 9) = z^2 w^5 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(3, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2 z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(3, 11) = 0$$

$$\mathcal{M}_{3,3}(3, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(3,13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(3,14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(3,15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(3,16) = 0$$

$$\mathcal{M}_{3,3}(3,17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(3,18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(3,19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(3,20) = 0$$

$$\mathcal{M}_{3,3}(3,21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(3,22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(3,23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(3,24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(3,25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(3,26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(3,27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(3,28) = 0$$

$$\mathcal{M}_{3,3}(3,29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(3,30) = 0$$

$$\mathcal{M}_{3,3}(3,31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(3,32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(3,33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(3,34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(3,35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(3,36) = 0$$

$$\mathcal{M}_{3,3}(3,37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(4,1) = 0$$

$$\mathcal{M}_{3,3}(4,2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(4,3) = 0$$

$$\mathcal{M}_{3,3}(4,4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(4,5) = 0$$

$$\mathcal{M}_{3,3}(4,6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(4,7) = 0$$

$$\mathcal{M}_{3,3}(4,8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(4,9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(4,11) = 0$$

$$\mathcal{M}_{3,3}(4,12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(4,14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(4,15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,16) = 0$$

$$\mathcal{M}_{3,3}(4,17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(4,20) = 0$$

$$\mathcal{M}_{3,3}(4,21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(4,23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(4,24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(4,27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(4,28) = 0$$

$$\mathcal{M}_{3,3}(4,29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 +$$



$$z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(4, 30) = 0$$

$$\mathcal{M}_{3,3}(4, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(4, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(4, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(4, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(4, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(4, 36) = 0$$

$$\mathcal{M}_{3,3}(4, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(5, 1) = 0$$

$$\mathcal{M}_{3,3}(5, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(5, 3) = 0$$

$$\mathcal{M}_{3,3}(5, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(5, 5) = 0$$

$$\mathcal{M}_{3,3}(5, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(5, 7) = 0$$

$$\mathcal{M}_{3,3}(5, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(5, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(5, 11) = 0$$

$$\mathcal{M}_{3,3}(5, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(5, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(5, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 16) = 0$$

$$\mathcal{M}_{3,3}(5, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(5, 20) = 0$$

$$\mathcal{M}_{3,3}(5, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(5, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(5, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(5, 28) = 0$$

$$\mathcal{M}_{3,3}(5, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(5, 30) = 0$$

$$\mathcal{M}_{3,3}(5, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(5, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(5, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(5, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(5, 36) = 0$$

$$\mathcal{M}_{3,3}(5, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(6, 1) = 0$$

$$\mathcal{M}_{3,3}(6, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(6, 3) = 0$$

$$\mathcal{M}_{3,3}(6, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(6, 5) = 0$$

$$\mathcal{M}_{3,3}(6, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(6, 7) = 0$$

$$\mathcal{M}_{3,3}(6, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(6, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(6, 11) = 0$$

$$\mathcal{M}_{3,3}(6, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(6, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(6, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 16) = 0$$

$$\mathcal{M}_{3,3}(6, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(6, 20) = 0$$

$$\mathcal{M}_{3,3}(6, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(6, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(6, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(6, 28) = 0$$

$$\mathcal{M}_{3,3}(6, 29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(6, 30) = 0$$

$$\mathcal{M}_{3,3}(6, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(6, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(6, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(6,34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(6,35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(6,36) = 0$$

$$\mathcal{M}_{3,3}(6,37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(7,1) = 0$$

$$\mathcal{M}_{3,3}(7,2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(7,3) = 0$$

$$\mathcal{M}_{3,3}(7,4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(7,5) = 0$$

$$\mathcal{M}_{3,3}(7,6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(7,7) = 0$$

$$\mathcal{M}_{3,3}(7,8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(7,9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(7,10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(7,11) = 0$$

$$\mathcal{M}_{3,3}(7,12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(7,13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(7,14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(7,15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(7,16) = 0$$

$$\mathcal{M}_{3,3}(7,17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(7,18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(7,19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(7,20) = 0$$

$$\mathcal{M}_{3,3}(7,21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(7,22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(7,23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(7,24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(7, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(7, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(7, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(7, 28) = 0$$

$$\mathcal{M}_{3,3}(7, 29) = z^2 w^4 x^{10} y^3 + 5 z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 3 z^3 w^6 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(7, 30) = 0$$

$$\mathcal{M}_{3,3}(7, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(7, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(7, 33) = 2 z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(7, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(7, 35) = z^2 w^5 x^{10} y^3 + 2 z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(7, 36) = 0$$

$$\mathcal{M}_{3,3}(7, 37) = 2 z^2 w^4 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + 2 z w^5 x^{10} y^3 + 3 z^2 w^7 x^{10} y^3 + 2 z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(8, 1) = 0$$

$$\mathcal{M}_{3,3}(8, 2) = 2 z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2 z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(8, 3) = 0$$

$$\mathcal{M}_{3,3}(8, 4) = 3 z^3 w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(8, 5) = 0$$

$$\mathcal{M}_{3,3}(8, 6) = 3 z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2 z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(8, 7) = 0$$

$$\mathcal{M}_{3,3}(8, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(8, 9) = z^2 w^5 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(8, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2 z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(8, 11) = 0$$

$$\mathcal{M}_{3,3}(8, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(8, 13) = 2 z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(8, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(8, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 16) = 0$$

$$\mathcal{M}_{3,3}(8, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(8, 20) = 0$$

$$\mathcal{M}_{3,3}(8, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(8, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(8, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(8, 28) = 0$$

$$\mathcal{M}_{3,3}(8, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(8, 30) = 0$$

$$\mathcal{M}_{3,3}(8, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(8, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(8, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(8, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(8, 36) = 0$$

$$\mathcal{M}_{3,3}(8, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(9, 1) = 0$$

$$\mathcal{M}_{3,3}(9, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(9, 3) = 0$$

$$\mathcal{M}_{3,3}(9, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(9, 5) = 0$$

$$\mathcal{M}_{3,3}(9, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(9, 7) = 0$$

$$\mathcal{M}_{3,3}(9, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(9, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(9, 11) = 0$$

$$\mathcal{M}_{3,3}(9, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(9, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(9, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 16) = 0$$

$$\mathcal{M}_{3,3}(9, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(9, 20) = 0$$

$$\mathcal{M}_{3,3}(9, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(9, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(9, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(9, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(9, 28) = 0$$

$$\mathcal{M}_{3,3}(9, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(9, 30) = 0$$

$$\mathcal{M}_{3,3}(9, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(9, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(9, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(9, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(9, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(9, 36) = 0$$

$$\mathcal{M}_{3,3}(9, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(10, 1) = 0$$

$$\mathcal{M}_{3,3}(10, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(10, 3) = 0$$

$$\mathcal{M}_{3,3}(10, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(10, 5) = 0$$

$$\mathcal{M}_{3,3}(10, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(10, 7) = 0$$

$$\mathcal{M}_{3,3}(10, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(10, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(10, 11) = 0$$

$$\mathcal{M}_{3,3}(10, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(10, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(10, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 16) = 0$$

$$\mathcal{M}_{3,3}(10, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$



$$\mathcal{M}_{3,3}(10, 20) = 0$$

$$\mathcal{M}_{3,3}(10, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(10, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(10, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(10, 28) = 0$$

$$\mathcal{M}_{3,3}(10, 29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(10, 30) = 0$$

$$\mathcal{M}_{3,3}(10, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(10, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(10, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(10, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(10, 36) = 0$$

$$\mathcal{M}_{3,3}(10, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(11, 1) = 0$$

$$\mathcal{M}_{3,3}(11, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(11, 3) = 0$$

$$\mathcal{M}_{3,3}(11, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(11, 5) = 0$$

$$\mathcal{M}_{3,3}(11, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(11, 7) = 0$$

$$\mathcal{M}_{3,3}(11, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(11, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 10) = zw^8 x^{10} y^3 + zw^5 x^8 y^3 + zw^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(11, 11) = 0$$

$$\mathcal{M}_{3,3}(11, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(11, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(11, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 16) = 0$$

$$\mathcal{M}_{3,3}(11, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 19) = zw^8 x^{10} y^3 + 2zw^7 x^{10} y^3 + 2zw^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(11, 20) = 0$$

$$\mathcal{M}_{3,3}(11, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(11, 23) = zw^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(11, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 27) = zw^8 x^{10} y^3 + zw^7 x^{10} y^3 + zw^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(11, 28) = 0$$

$$\mathcal{M}_{3,3}(11, 29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + zw^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(11, 30) = 0$$

$$\mathcal{M}_{3,3}(11, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + zw^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(11, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(11, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(11, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(11, 36) = 0$$

$$\mathcal{M}_{3,3}(11, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(12, 1) = 0$$

$$\mathcal{M}_{3,3}(12, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(12, 3) = 0$$

$$\mathcal{M}_{3,3}(12, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(12, 5) = 0$$

$$\mathcal{M}_{3,3}(12, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(12, 7) = 0$$

$$\mathcal{M}_{3,3}(12, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(12, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(12, 11) = 0$$

$$\mathcal{M}_{3,3}(12, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(12, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(12, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 16) = 0$$

$$\mathcal{M}_{3,3}(12, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(12, 20) = 0$$

$$\mathcal{M}_{3,3}(12, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(12, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(12, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(12, 28) = 0$$

$$\mathcal{M}_{3,3}(12, 29) = z^2 w^4 x^{10} y^3 + 5 z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 3 z^3 w^6 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(12, 30) = 0$$

$$\mathcal{M}_{3,3}(12, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(12, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(12, 33) = 2 z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(12, 35) = z^2 w^5 x^{10} y^3 + 2 z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(12, 36) = 0$$

$$\mathcal{M}_{3,3}(12, 37) = 2 z^2 w^4 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + 2 z w^5 x^{10} y^3 + 3 z^2 w^7 x^{10} y^3 + 2 z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(13, 1) = 0$$

$$\mathcal{M}_{3,3}(13, 2) = 2 z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2 z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(13, 3) = 0$$

$$\mathcal{M}_{3,3}(13, 4) = 3 z^3 w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(13, 5) = 0$$

$$\mathcal{M}_{3,3}(13, 6) = 3 z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2 z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(13, 7) = 0$$

$$\mathcal{M}_{3,3}(13, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(13, 9) = z^2 w^5 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2 z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(13, 11) = 0$$

$$\mathcal{M}_{3,3}(13, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 13) = 2 z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(13, 14) = 2 z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(13, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 16) = 0$$

$$\mathcal{M}_{3,3}(13, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(13, 20) = 0$$

$$\mathcal{M}_{3,3}(13, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(13, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(13, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(13, 28) = 0$$

$$\begin{aligned} \mathcal{M}_{3,3}(13, 29) = & z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + \\ & z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3 \end{aligned}$$

$$\mathcal{M}_{3,3}(13, 30) = 0$$

$$\begin{aligned} \mathcal{M}_{3,3}(13, 31) = & z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + \\ & z^2 w^6 x^{10} y^3 \end{aligned}$$

$$\mathcal{M}_{3,3}(13, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(13, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(13, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(13, 36) = 0$$

$$\mathcal{M}_{3,3}(13, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(14, 1) = 0$$

$$\mathcal{M}_{3,3}(14, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(14, 3) = 0$$

$$\mathcal{M}_{3,3}(14, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(14, 5) = 0$$

$$\mathcal{M}_{3,3}(14, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(14, 7) = 0$$

$$\mathcal{M}_{3,3}(14, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(14, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(14, 11) = 0$$

$$\mathcal{M}_{3,3}(14, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(14, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(14, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 16) = 0$$

$$\mathcal{M}_{3,3}(14, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(14, 20) = 0$$

$$\mathcal{M}_{3,3}(14, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(14, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(14, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(14, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(14, 28) = 0$$

$$\mathcal{M}_{3,3}(14, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(14, 30) = 0$$

$$\mathcal{M}_{3,3}(14, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(14, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(14, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(14, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(14, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(14, 36) = 0$$

$$\mathcal{M}_{3,3}(14, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(15, 1) = 0$$

$$\mathcal{M}_{3,3}(15, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(15, 3) = 0$$

$$\mathcal{M}_{3,3}(15, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(15, 5) = 0$$

$$\mathcal{M}_{3,3}(15, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(15, 7) = 0$$

$$\mathcal{M}_{3,3}(15, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(15, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(15, 11) = 0$$

$$\mathcal{M}_{3,3}(15, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(15, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(15, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 16) = 0$$

$$\mathcal{M}_{3,3}(15, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(15, 20) = 0$$

$$\mathcal{M}_{3,3}(15, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(15, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(15, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(15, 28) = 0$$

$$\begin{aligned} \mathcal{M}_{3,3}(15, 29) = & z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + \\ & z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3 \end{aligned}$$

$$\mathcal{M}_{3,3}(15, 30) = 0$$

$$\begin{aligned} \mathcal{M}_{3,3}(15, 31) = & z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + \\ & z^2 w^6 x^{10} y^3 \end{aligned}$$

$$\mathcal{M}_{3,3}(15, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(15, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(15, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(15, 36) = 0$$

$$\mathcal{M}_{3,3}(15, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(16, 1) = 0$$

$$\mathcal{M}_{3,3}(16, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(16, 3) = 0$$

$$\mathcal{M}_{3,3}(16, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(16, 5) = 0$$

$$\mathcal{M}_{3,3}(16, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(16, 7) = 0$$

$$\mathcal{M}_{3,3}(16, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(16, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$



$$\mathcal{M}_{3,3}(16, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(16, 11) = 0$$

$$\mathcal{M}_{3,3}(16, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(16, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(16, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 16) = 0$$

$$\mathcal{M}_{3,3}(16, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(16, 20) = 0$$

$$\mathcal{M}_{3,3}(16, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(16, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(16, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(16, 28) = 0$$

$$\begin{aligned} \mathcal{M}_{3,3}(16, 29) = & z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + \\ & z^4w^4x^{10}y^3 + z^2w^5x^8y^3 \end{aligned}$$

$$\mathcal{M}_{3,3}(16, 30) = 0$$

$$\begin{aligned} \mathcal{M}_{3,3}(16, 31) = & z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + \\ & z^2w^6x^{10}y^3 \end{aligned}$$

$$\mathcal{M}_{3,3}(16, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(16, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(16, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(16, 36) = 0$$

$$\mathcal{M}_{3,3}(16, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(17, 1) = 0$$

$$\mathcal{M}_{3,3}(17, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(17, 3) = 0$$

$$\mathcal{M}_{3,3}(17, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(17, 5) = 0$$

$$\mathcal{M}_{3,3}(17, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(17, 7) = 0$$

$$\mathcal{M}_{3,3}(17, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(17, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(17, 11) = 0$$

$$\mathcal{M}_{3,3}(17, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(17, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(17, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 16) = 0$$

$$\mathcal{M}_{3,3}(17, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(17, 20) = 0$$

$$\mathcal{M}_{3,3}(17, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(17, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(17, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(17, 28) = 0$$

$$\mathcal{M}_{3,3}(17, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(17, 30) = 0$$

$$\mathcal{M}_{3,3}(17, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(17, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(17, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(17, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(17, 36) = 0$$

$$\mathcal{M}_{3,3}(17, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(18, 1) = 0$$

$$\mathcal{M}_{3,3}(18, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(18, 3) = 0$$

$$\mathcal{M}_{3,3}(18, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(18, 5) = 0$$

$$\mathcal{M}_{3,3}(18, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(18, 7) = 0$$

$$\mathcal{M}_{3,3}(18, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(18, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(18, 11) = 0$$

$$\mathcal{M}_{3,3}(18, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(18, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(18, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 16) = 0$$

$$\mathcal{M}_{3,3}(18, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(18, 20) = 0$$

$$\mathcal{M}_{3,3}(18, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(18, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(18, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(18, 28) = 0$$

$$\mathcal{M}_{3,3}(18, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(18, 30) = 0$$

$$\mathcal{M}_{3,3}(18, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(18, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(18, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(18, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(18, 36) = 0$$

$$\mathcal{M}_{3,3}(18, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(19, 1) = 0$$

$$\mathcal{M}_{3,3}(19, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(19, 3) = 0$$

$$\mathcal{M}_{3,3}(19, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(19, 5) = 0$$

$$\mathcal{M}_{3,3}(19, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(19, 7) = 0$$

$$\mathcal{M}_{3,3}(19, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(19, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(19, 11) = 0$$

$$\mathcal{M}_{3,3}(19, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(19, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(19, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 16) = 0$$

$$\mathcal{M}_{3,3}(19, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(19, 20) = 0$$

$$\mathcal{M}_{3,3}(19, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(19, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(19, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(19, 28) = 0$$

$$\mathcal{M}_{3,3}(19, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(19, 30) = 0$$

$$\mathcal{M}_{3,3}(19, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 +$$

$$z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(19, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(19, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(19, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(19, 36) = 0$$

$$\mathcal{M}_{3,3}(19, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(20, 1) = 0$$

$$\mathcal{M}_{3,3}(20, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(20, 3) = 0$$

$$\mathcal{M}_{3,3}(20, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(20, 5) = 0$$

$$\mathcal{M}_{3,3}(20, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(20, 7) = 0$$

$$\mathcal{M}_{3,3}(20, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(20, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(20, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(20, 11) = 0$$

$$\mathcal{M}_{3,3}(20, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(20, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(20, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(20, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(20, 16) = 0$$

$$\mathcal{M}_{3,3}(20, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(20, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(20, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(20, 20) = 0$$

$$\mathcal{M}_{3,3}(20, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(20, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(20, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(20, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(20, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(20, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(20, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(20, 28) = 0$$

$$\mathcal{M}_{3,3}(20, 29) = z^2 w^4 x^{10} y^3 + 5 z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 3 z^3 w^6 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(20, 30) = 0$$

$$\mathcal{M}_{3,3}(20, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(20, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(20, 33) = 2 z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(20, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(20, 35) = z^2 w^5 x^{10} y^3 + 2 z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(20, 36) = 0$$

$$\mathcal{M}_{3,3}(20, 37) = 2 z^2 w^4 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + 2 z w^5 x^{10} y^3 + 3 z^2 w^7 x^{10} y^3 + 2 z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(21, 1) = 0$$

$$\mathcal{M}_{3,3}(21, 2) = 2 z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2 z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(21, 3) = 0$$

$$\mathcal{M}_{3,3}(21, 4) = 3 z^3 w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(21, 5) = 0$$

$$\mathcal{M}_{3,3}(21, 6) = 3 z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2 z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(21, 7) = 0$$

$$\mathcal{M}_{3,3}(21, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(21, 9) = z^2 w^5 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2 z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(21, 11) = 0$$

$$\mathcal{M}_{3,3}(21, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(21, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(21, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 16) = 0$$

$$\mathcal{M}_{3,3}(21, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(21, 20) = 0$$

$$\mathcal{M}_{3,3}(21, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(21, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(21, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(21, 28) = 0$$

$$\begin{aligned} \mathcal{M}_{3,3}(21, 29) = & z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + \\ & z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3 \end{aligned}$$

$$\mathcal{M}_{3,3}(21, 30) = 0$$

$$\begin{aligned} \mathcal{M}_{3,3}(21, 31) = & z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + \\ & z^2 w^6 x^{10} y^3 \end{aligned}$$

$$\mathcal{M}_{3,3}(21, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(21, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(21, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(21, 36) = 0$$



$$\mathcal{M}_{3,3}(21, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(22, 1) = 0$$

$$\mathcal{M}_{3,3}(22, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(22, 3) = 0$$

$$\mathcal{M}_{3,3}(22, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(22, 5) = 0$$

$$\mathcal{M}_{3,3}(22, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(22, 7) = 0$$

$$\mathcal{M}_{3,3}(22, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(22, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(22, 11) = 0$$

$$\mathcal{M}_{3,3}(22, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(22, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(22, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 16) = 0$$

$$\mathcal{M}_{3,3}(22, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(22, 20) = 0$$

$$\mathcal{M}_{3,3}(22, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(22, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(22, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(22, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(22, 28) = 0$$

$$\mathcal{M}_{3,3}(22, 29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(22, 30) = 0$$

$$\mathcal{M}_{3,3}(22, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(22, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(22, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(22, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(22, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(22, 36) = 0$$

$$\mathcal{M}_{3,3}(22, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(23, 1) = 0$$

$$\mathcal{M}_{3,3}(23, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(23, 3) = 0$$

$$\mathcal{M}_{3,3}(23, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(23, 5) = 0$$

$$\mathcal{M}_{3,3}(23, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(23, 7) = 0$$

$$\mathcal{M}_{3,3}(23, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(23, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(23, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(23, 11) = 0$$

$$\mathcal{M}_{3,3}(23, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(23, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(23, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(23, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(23, 16) = 0$$

$$\mathcal{M}_{3,3}(23, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(23, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(23, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(23, 20) = 0$$

$$\mathcal{M}_{3,3}(23, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(23, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(23, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(23, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(23, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(23, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(23, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(23, 28) = 0$$

$$\mathcal{M}_{3,3}(23, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(23, 30) = 0$$

$$\mathcal{M}_{3,3}(23, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(23, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(23, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(23, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(23, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(23, 36) = 0$$

$$\mathcal{M}_{3,3}(23, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(24, 1) = 0$$

$$\mathcal{M}_{3,3}(24, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(24, 3) = 0$$

$$\mathcal{M}_{3,3}(24, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(24, 5) = 0$$

$$\mathcal{M}_{3,3}(24, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(24, 7) = 0$$

$$\mathcal{M}_{3,3}(24, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(24, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(24, 11) = 0$$

$$\mathcal{M}_{3,3}(24, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(24, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(24, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 16) = 0$$

$$\mathcal{M}_{3,3}(24, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(24, 20) = 0$$

$$\mathcal{M}_{3,3}(24, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(24, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(24, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(24, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(24, 28) = 0$$

$$\mathcal{M}_{3,3}(24, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(24, 30) = 0$$

$$\mathcal{M}_{3,3}(24, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(24, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(24, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(24, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(24, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(24, 36) = 0$$

$$\mathcal{M}_{3,3}(24, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(25, 1) = 0$$

$$\mathcal{M}_{3,3}(25, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(25, 3) = 0$$

$$\mathcal{M}_{3,3}(25, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(25, 5) = 0$$

$$\mathcal{M}_{3,3}(25, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(25, 7) = 0$$

$$\mathcal{M}_{3,3}(25, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(25, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(25, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(25, 11) = 0$$

$$\mathcal{M}_{3,3}(25, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(25, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(25, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(25, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(25, 16) = 0$$

$$\mathcal{M}_{3,3}(25, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(25, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(25, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(25, 20) = 0$$

$$\mathcal{M}_{3,3}(25, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(25, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(25, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(25, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(25, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(25, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(25, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(25, 28) = 0$$

$$\mathcal{M}_{3,3}(25, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(25, 30) = 0$$

$$\mathcal{M}_{3,3}(25, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(25, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(25, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(25, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(25, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(25, 36) = 0$$

$$\mathcal{M}_{3,3}(25, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(26, 1) = 0$$

$$\mathcal{M}_{3,3}(26, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(26, 3) = 0$$

$$\mathcal{M}_{3,3}(26, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(26, 5) = 0$$

$$\mathcal{M}_{3,3}(26, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(26, 7) = 0$$

$$\mathcal{M}_{3,3}(26, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(26, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(26, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(26, 11) = 0$$

$$\begin{aligned}
\mathcal{M}_{3,3}(26, 12) &= z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 13) &= 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3 \\
\mathcal{M}_{3,3}(26, 14) &= 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3 \\
\mathcal{M}_{3,3}(26, 15) &= z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 16) &= 0 \\
\mathcal{M}_{3,3}(26, 17) &= 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 18) &= z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 19) &= z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3 \\
\mathcal{M}_{3,3}(26, 20) &= 0 \\
\mathcal{M}_{3,3}(26, 21) &= z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 22) &= z^2 w^7 x^{14} y^3 \\
\mathcal{M}_{3,3}(26, 23) &= z w^8 x^{14} y^3 \\
\mathcal{M}_{3,3}(26, 24) &= z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 25) &= z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 26) &= z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 27) &= z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3 \\
\mathcal{M}_{3,3}(26, 28) &= 0 \\
\mathcal{M}_{3,3}(26, 29) &= z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + \\
& z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3 \\
\mathcal{M}_{3,3}(26, 30) &= 0 \\
\mathcal{M}_{3,3}(26, 31) &= z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + \\
& z^2 w^6 x^{10} y^3 \\
\mathcal{M}_{3,3}(26, 32) &= z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3 \\
\mathcal{M}_{3,3}(26, 33) &= 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 34) &= z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3 \\
\mathcal{M}_{3,3}(26, 35) &= z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3 \\
\mathcal{M}_{3,3}(26, 36) &= 0 \\
\mathcal{M}_{3,3}(26, 37) &= 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3
\end{aligned}$$

$$\mathcal{M}_{3,3}(27, 1) = 0$$

$$\mathcal{M}_{3,3}(27, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(27, 3) = 0$$

$$\mathcal{M}_{3,3}(27, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(27, 5) = 0$$

$$\mathcal{M}_{3,3}(27, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(27, 7) = 0$$

$$\mathcal{M}_{3,3}(27, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(27, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(27, 11) = 0$$

$$\mathcal{M}_{3,3}(27, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(27, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(27, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 16) = 0$$

$$\mathcal{M}_{3,3}(27, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(27, 20) = 0$$

$$\mathcal{M}_{3,3}(27, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(27, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(27, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(27, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(27, 28) = 0$$



$$\mathcal{M}_{3,3}(27, 29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(27, 30) = 0$$

$$\mathcal{M}_{3,3}(27, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(27, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(27, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(27, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(27, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(27, 36) = 0$$

$$\mathcal{M}_{3,3}(27, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(28, 1) = 0$$

$$\mathcal{M}_{3,3}(28, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(28, 3) = 0$$

$$\mathcal{M}_{3,3}(28, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(28, 5) = 0$$

$$\mathcal{M}_{3,3}(28, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(28, 7) = 0$$

$$\mathcal{M}_{3,3}(28, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(28, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(28, 11) = 0$$

$$\mathcal{M}_{3,3}(28, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(28, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(28, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 16) = 0$$

$$\mathcal{M}_{3,3}(28, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 19) = z w^8 x^{10} y^3 + 2 z w^7 x^{10} y^3 + 2 z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(28, 20) = 0$$

$$\mathcal{M}_{3,3}(28, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(28, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(28, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(28, 28) = 0$$

$$\mathcal{M}_{3,3}(28, 29) = z^2 w^4 x^{10} y^3 + 5 z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 3 z^3 w^6 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(28, 30) = 0$$

$$\mathcal{M}_{3,3}(28, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(28, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(28, 33) = 2 z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(28, 35) = z^2 w^5 x^{10} y^3 + 2 z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(28, 36) = 0$$

$$\mathcal{M}_{3,3}(28, 37) = 2 z^2 w^4 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + 2 z w^5 x^{10} y^3 + 3 z^2 w^7 x^{10} y^3 + 2 z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(29, 1) = 0$$

$$\mathcal{M}_{3,3}(29, 2) = 2 z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2 z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(29, 3) = 0$$

$$\mathcal{M}_{3,3}(29, 4) = 3 z^3 w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(29, 5) = 0$$

$$\mathcal{M}_{3,3}(29, 6) = 3 z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2 z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(29, 7) = 0$$

$$\mathcal{M}_{3,3}(29, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(29, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 10) = zw^8 x^{10} y^3 + zw^5 x^8 y^3 + zw^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(29, 11) = 0$$

$$\mathcal{M}_{3,3}(29, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(29, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(29, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 16) = 0$$

$$\mathcal{M}_{3,3}(29, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 19) = zw^8 x^{10} y^3 + 2zw^7 x^{10} y^3 + 2zw^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(29, 20) = 0$$

$$\mathcal{M}_{3,3}(29, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(29, 23) = zw^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(29, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(29, 27) = zw^8 x^{10} y^3 + zw^7 x^{10} y^3 + zw^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(29, 28) = 0$$

$$\mathcal{M}_{3,3}(29, 29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + zw^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(29, 30) = 0$$

$$\mathcal{M}_{3,3}(29, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + zw^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(29, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(29, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(29, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(29, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(29, 36) = 0$$

$$\mathcal{M}_{3,3}(29, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(30, 1) = 0$$

$$\mathcal{M}_{3,3}(30, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(30, 3) = 0$$

$$\mathcal{M}_{3,3}(30, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(30, 5) = 0$$

$$\mathcal{M}_{3,3}(30, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(30, 7) = 0$$

$$\mathcal{M}_{3,3}(30, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(30, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(30, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(30, 11) = 0$$

$$\mathcal{M}_{3,3}(30, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(30, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(30, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(30, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(30, 16) = 0$$

$$\mathcal{M}_{3,3}(30, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(30, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(30, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(30, 20) = 0$$

$$\mathcal{M}_{3,3}(30, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(30, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(30, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(30, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(30, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(30, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(30, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(30, 28) = 0$$

$$\mathcal{M}_{3,3}(30, 29) = z^2 w^4 x^{10} y^3 + 5 z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 3 z^3 w^6 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(30, 30) = 0$$

$$\mathcal{M}_{3,3}(30, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(30, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(30, 33) = 2 z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(30, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(30, 35) = z^2 w^5 x^{10} y^3 + 2 z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(30, 36) = 0$$

$$\mathcal{M}_{3,3}(30, 37) = 2 z^2 w^4 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + 2 z w^5 x^{10} y^3 + 3 z^2 w^7 x^{10} y^3 + 2 z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(31, 1) = 0$$

$$\mathcal{M}_{3,3}(31, 2) = 2 z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2 z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(31, 3) = 0$$

$$\mathcal{M}_{3,3}(31, 4) = 3 z^3 w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(31, 5) = 0$$

$$\mathcal{M}_{3,3}(31, 6) = 3 z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2 z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(31, 7) = 0$$

$$\mathcal{M}_{3,3}(31, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(31, 9) = z^2 w^5 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(31, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2 z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(31, 11) = 0$$

$$\mathcal{M}_{3,3}(31, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(31, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(31, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(31, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 16) = 0$$

$$\mathcal{M}_{3,3}(31, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(31, 20) = 0$$

$$\mathcal{M}_{3,3}(31, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(31, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(31, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(31, 28) = 0$$

$$\mathcal{M}_{3,3}(31, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(31, 30) = 0$$

$$\mathcal{M}_{3,3}(31, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(31, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(31, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(31, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(31, 36) = 0$$

$$\mathcal{M}_{3,3}(31, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(32, 1) = 0$$

$$\mathcal{M}_{3,3}(32, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(32, 3) = 0$$

$$\mathcal{M}_{3,3}(32, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(32, 5) = 0$$

$$\mathcal{M}_{3,3}(32, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(32, 7) = 0$$

$$\mathcal{M}_{3,3}(32, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(32, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(32, 11) = 0$$

$$\mathcal{M}_{3,3}(32, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(32, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(32, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 16) = 0$$

$$\mathcal{M}_{3,3}(32, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(32, 20) = 0$$

$$\mathcal{M}_{3,3}(32, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(32, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(32, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(32, 28) = 0$$

$$\mathcal{M}_{3,3}(32, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 +$$

$$z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(32, 30) = 0$$

$$\mathcal{M}_{3,3}(32, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(32, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(32, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(32, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(32, 36) = 0$$

$$\mathcal{M}_{3,3}(32, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(33, 1) = 0$$

$$\mathcal{M}_{3,3}(33, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(33, 3) = 0$$

$$\mathcal{M}_{3,3}(33, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(33, 5) = 0$$

$$\mathcal{M}_{3,3}(33, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(33, 7) = 0$$

$$\mathcal{M}_{3,3}(33, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(33, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(33, 11) = 0$$

$$\mathcal{M}_{3,3}(33, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(33, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(33, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 16) = 0$$

$$\mathcal{M}_{3,3}(33, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$



$$\mathcal{M}_{3,3}(33, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(33, 20) = 0$$

$$\mathcal{M}_{3,3}(33, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(33, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(33, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(33, 28) = 0$$

$$\mathcal{M}_{3,3}(33, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(33, 30) = 0$$

$$\mathcal{M}_{3,3}(33, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(33, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(33, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(33, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(33, 36) = 0$$

$$\mathcal{M}_{3,3}(33, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(34, 1) = 0$$

$$\mathcal{M}_{3,3}(34, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(34, 3) = 0$$

$$\mathcal{M}_{3,3}(34, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(34, 5) = 0$$

$$\mathcal{M}_{3,3}(34, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(34, 7) = 0$$

$$\mathcal{M}_{3,3}(34, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(34, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 10) = zw^8 x^{10} y^3 + zw^5 x^8 y^3 + zw^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(34, 11) = 0$$

$$\mathcal{M}_{3,3}(34, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(34, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(34, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 16) = 0$$

$$\mathcal{M}_{3,3}(34, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 19) = zw^8 x^{10} y^3 + 2zw^7 x^{10} y^3 + 2zw^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(34, 20) = 0$$

$$\mathcal{M}_{3,3}(34, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(34, 23) = zw^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(34, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 27) = zw^8 x^{10} y^3 + zw^7 x^{10} y^3 + zw^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(34, 28) = 0$$

$$\mathcal{M}_{3,3}(34, 29) = z^2 w^4 x^{10} y^3 + 5z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + zw^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 3z^3 w^6 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(34, 30) = 0$$

$$\mathcal{M}_{3,3}(34, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + zw^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(34, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(34, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(34, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(34, 36) = 0$$

$$\mathcal{M}_{3,3}(34, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(35, 1) = 0$$

$$\mathcal{M}_{3,3}(35, 2) = 2z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(35, 3) = 0$$

$$\mathcal{M}_{3,3}(35, 4) = 3z^3 w^5 x^{10} y^3 + 2z^2 w^4 x^8 y^3 + 2z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(35, 5) = 0$$

$$\mathcal{M}_{3,3}(35, 6) = 3z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(35, 7) = 0$$

$$\mathcal{M}_{3,3}(35, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(35, 9) = z^2 w^5 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(35, 11) = 0$$

$$\mathcal{M}_{3,3}(35, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 13) = 2z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(35, 14) = 2z^2 w^6 x^{14} y^3 + z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(35, 15) = z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 16) = 0$$

$$\mathcal{M}_{3,3}(35, 17) = 2z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 18) = z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 19) = z w^8 x^{10} y^3 + 2z w^7 x^{10} y^3 + 2z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(35, 20) = 0$$

$$\mathcal{M}_{3,3}(35, 21) = z^2 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 22) = z^2 w^7 x^{14} y^3$$

$$\mathcal{M}_{3,3}(35, 23) = z w^8 x^{14} y^3$$

$$\mathcal{M}_{3,3}(35, 24) = z^4 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 25) = z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 26) = z^2 w^7 x^{12} y^3 + z^2 w^8 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 27) = z w^8 x^{10} y^3 + z w^7 x^{10} y^3 + z w^9 x^{10} y^3$$

$$\mathcal{M}_{3,3}(35, 28) = 0$$

$$\mathcal{M}_{3,3}(35, 29) = z^2 w^4 x^{10} y^3 + 5 z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 3 z^3 w^6 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(35, 30) = 0$$

$$\mathcal{M}_{3,3}(35, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2 z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(35, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(35, 33) = 2 z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(35, 35) = z^2 w^5 x^{10} y^3 + 2 z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(35, 36) = 0$$

$$\mathcal{M}_{3,3}(35, 37) = 2 z^2 w^4 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + 2 z w^5 x^{10} y^3 + 3 z^2 w^7 x^{10} y^3 + 2 z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(36, 1) = 0$$

$$\mathcal{M}_{3,3}(36, 2) = 2 z^3 w^5 x^{10} y^3 + z^2 w^3 x^6 y^3 + z^3 w^6 x^{12} y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + 2 z^3 w^4 x^8 y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(36, 3) = 0$$

$$\mathcal{M}_{3,3}(36, 4) = 3 z^3 w^5 x^{10} y^3 + 2 z^2 w^4 x^8 y^3 + 2 z^3 w^6 x^{10} y^3 + z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3 + z^2 w^5 x^8 y^3$$

$$\mathcal{M}_{3,3}(36, 5) = 0$$

$$\mathcal{M}_{3,3}(36, 6) = 3 z^2 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{10} y^3 + 2 z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(36, 7) = 0$$

$$\mathcal{M}_{3,3}(36, 8) = z^3 w^5 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^4 x^8 y^3$$

$$\mathcal{M}_{3,3}(36, 9) = z^2 w^5 x^{10} y^3 + 2 z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(36, 10) = z w^8 x^{10} y^3 + z w^5 x^8 y^3 + z w^6 x^8 y^3 + 2 z^2 w^7 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(36, 11) = 0$$

$$\mathcal{M}_{3,3}(36, 12) = z^4 w^6 x^{14} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^5 x^{12} y^3 + z^3 w^8 x^{12} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(36, 13) = 2 z^3 w^5 x^{12} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^7 x^{14} y^3 + z^2 w^6 x^{12} y^3 + z^3 w^6 x^{14} y^3$$

$$\mathcal{M}_{3,3}(36, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(36, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 16) = 0$$

$$\mathcal{M}_{3,3}(36, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(36, 20) = 0$$

$$\mathcal{M}_{3,3}(36, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(36, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(36, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(36, 28) = 0$$

$$\mathcal{M}_{3,3}(36, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(36, 30) = 0$$

$$\mathcal{M}_{3,3}(36, 31) = z^2w^5x^{10}y^3 + z^2w^4x^{10}y^3 + z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(36, 32) = z^4w^6x^{14}y^3 + z^5w^5x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(36, 33) = 2z^2w^5x^{10}y^3 + z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + 2z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 34) = z^2w^5x^{12}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(36, 35) = z^2w^5x^{10}y^3 + 2zw^8x^{10}y^3 + w^6x^{10}y^3 + zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(36, 36) = 0$$

$$\mathcal{M}_{3,3}(36, 37) = 2z^2w^4x^{10}y^3 + 2z^3w^6x^{12}y^3 + 2zw^5x^{10}y^3 + 3z^2w^7x^{10}y^3 + 2z^4w^4x^{10}y^3$$

$$\mathcal{M}_{3,3}(37, 1) = 0$$

$$\mathcal{M}_{3,3}(37, 2) = 2z^3w^5x^{10}y^3 + z^2w^3x^6y^3 + z^3w^6x^{12}y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + 2z^3w^4x^8y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(37, 3) = 0$$

$$\mathcal{M}_{3,3}(37, 4) = 3z^3w^5x^{10}y^3 + 2z^2w^4x^8y^3 + 2z^3w^6x^{10}y^3 + z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(37, 5) = 0$$

$$\mathcal{M}_{3,3}(37, 6) = 3z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^7x^{10}y^3 + 2z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(37, 7) = 0$$

$$\mathcal{M}_{3,3}(37, 8) = z^3w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^2w^4x^8y^3$$

$$\mathcal{M}_{3,3}(37, 9) = z^2w^5x^{10}y^3 + 2z^3w^6x^{12}y^3 + z^2w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 10) = zw^8x^{10}y^3 + zw^5x^8y^3 + zw^6x^8y^3 + 2z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(37, 11) = 0$$

$$\mathcal{M}_{3,3}(37, 12) = z^4w^6x^{14}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^5w^6x^{14}y^3 + z^4w^5x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 13) = 2z^3w^5x^{12}y^3 + z^2w^4x^{10}y^3 + z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3 + z^3w^6x^{14}y^3$$

$$\mathcal{M}_{3,3}(37, 14) = 2z^2w^6x^{14}y^3 + z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(37, 15) = z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3 + z^3w^8x^{12}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 16) = 0$$

$$\mathcal{M}_{3,3}(37, 17) = 2z^2w^5x^{10}y^3 + z^3w^6x^{12}y^3 + z^2w^6x^{10}y^3 + z^3w^7x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 18) = z^3w^7x^{14}y^3 + z^2w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 19) = zw^8x^{10}y^3 + 2zw^7x^{10}y^3 + 2zw^6x^{10}y^3$$

$$\mathcal{M}_{3,3}(37, 20) = 0$$

$$\mathcal{M}_{3,3}(37, 21) = z^2w^5x^{10}y^3 + z^3w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 22) = z^2w^7x^{14}y^3$$

$$\mathcal{M}_{3,3}(37, 23) = zw^8x^{14}y^3$$

$$\mathcal{M}_{3,3}(37, 24) = z^4w^7x^{14}y^3 + z^3w^6x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 25) = z^2w^7x^{10}y^3 + z^2w^6x^{10}y^3 + z^3w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 26) = z^2w^7x^{12}y^3 + z^2w^8x^{12}y^3$$

$$\mathcal{M}_{3,3}(37, 27) = zw^8x^{10}y^3 + zw^7x^{10}y^3 + zw^9x^{10}y^3$$

$$\mathcal{M}_{3,3}(37, 28) = 0$$

$$\mathcal{M}_{3,3}(37, 29) = z^2w^4x^{10}y^3 + 5z^3w^5x^{10}y^3 + z^3w^6x^{12}y^3 + zw^5x^{10}y^3 + 2z^2w^4x^8y^3 + 3z^3w^6x^{10}y^3 + 2z^2w^7x^{10}y^3 + z^4w^4x^{10}y^3 + z^2w^5x^8y^3$$

$$\mathcal{M}_{3,3}(37, 30) = 0$$

$$\mathcal{M}_{3,3}(37, 31) = z^2 w^5 x^{10} y^3 + z^2 w^4 x^{10} y^3 + z^3 w^5 x^{10} y^3 + z^3 w^6 x^{12} y^3 + z w^5 x^{10} y^3 + 2z^2 w^7 x^{10} y^3 + z^4 w^4 x^{10} y^3 + z^2 w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(37, 32) = z^4 w^6 x^{14} y^3 + z^5 w^5 x^{12} y^3 + z^5 w^6 x^{14} y^3 + z^4 w^4 x^{10} y^3$$

$$\mathcal{M}_{3,3}(37, 33) = 2z^2 w^5 x^{10} y^3 + z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + 2z^3 w^6 x^{12} y^3 + z^2 w^6 x^{10} y^3 + z^3 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(37, 34) = z^2 w^5 x^{12} y^3 + z^3 w^7 x^{14} y^3 + z^3 w^6 x^{12} y^3 + z^2 w^7 x^{12} y^3$$

$$\mathcal{M}_{3,3}(37, 35) = z^2 w^5 x^{10} y^3 + 2z w^8 x^{10} y^3 + w^6 x^{10} y^3 + z w^6 x^{10} y^3$$

$$\mathcal{M}_{3,3}(37, 36) = 0$$

$$\mathcal{M}_{3,3}(37, 37) = 2z^2 w^4 x^{10} y^3 + 2z^3 w^6 x^{12} y^3 + 2z w^5 x^{10} y^3 + 3z^2 w^7 x^{10} y^3 + 2z^4 w^4 x^{10} y^3$$