1 Monomial type representatives

The following is a list of monomial type representatives: $a_{11}^4b_{11}^2$, $a_{11}^2a_{12}^2b_{11}^2$, $a_{12}^4b_{11}^2$, $a_{12}^2a_{13}^2b_{11}^2$, $a_{11}a_{12}^2a_{22}b_{11}^2$, $a_{12}^2a_{22}^2b_{11}^2$, $a_{11}a_{12}a_{13}a_{23}b_{11}^2$, $a_{12}a_{13}a_{22}a_{23}b_{11}^2$, $a_{12}^2a_{23}^2b_{11}^2$, $a_{11}^3a_{12}b_{11}b_{12}$, $a_{11}a_{12}^3b_{11}b_{12}$, $a_{11}a_{12}a_{13}^2b_{11}b_{12}$, $a_{11}^2a_{12}a_{22}b_{11}b_{12}$, $a_{12}^3a_{22}b_{11}b_{12}$, $a_{12}a_{13}^2a_{22}b_{11}b_{12}$, $a_{11}a_{12}a_{22}^2b_{11}b_{12}$, $a_{12}a_{22}^3b_{11}b_{12}$, $a_{11}^2a_{13}a_{23}b_{11}b_{12}$, $a_{12}^2a_{13}a_{23}b_{11}b_{12}$, $a_{13}^3a_{23}b_{11}b_{12}$, $a_{11}a_{13}a_{22}a_{23}b_{11}b_{12}$, $a_{13}a_{22}^2a_{23}b_{11}b_{12}$, $a_{11}a_{12}a_{23}^2b_{11}b_{12}$, $a_{12}a_{22}a_{23}^2b_{11}b_{12}$, $a_{13}a_{23}^3b_{11}b_{12}$, $a_{12}a_{13}^2a_{33}b_{11}b_{12}$, $a_{11}a_{13}a_{23}a_{33}b_{11}b_{12}$, $a_{13}a_{22}a_{23}a_{33}b_{11}b_{12}$, $a_{12}a_{23}^2a_{33}b_{11}b_{12}$, $a_{13}a_{23}a_{33}^2b_{11}b_{12}$, $a_{11}^4b_{12}^2$, $a_{11}^2a_{12}^2b_{12}^2$, $a_{12}^4b_{12}^2$, $a_{11}^2a_{13}^2b_{12}^2$, $a_{12}^2a_{13}^2b_{12}^2$, $a_{13}^4b_{12}^2$, $a_{11}^3a_{22}b_{12}^2$, $a_{11}a_{12}^2a_{22}b_{12}^2$, $a_{11}a_{13}^2a_{22}b_{12}^2$, $a_{11}^2a_{22}^2b_{12}^2$, $a_{13}^2a_{22}^2b_{12}^2$, $a_{11}a_{12}a_{13}a_{23}b_{12}^2$, $a_{13}^2a_{23}^2b_{12}^2$, $a_{11}a_{13}^2a_{33}b_{12}^2$, $a_{13}^2a_{22}a_{33}b_{12}^2$, $a_{12}a_{13}a_{23}a_{33}b_{12}^2$, $a_{13}^2a_{33}^2b_{12}^2$, $a_{11}^2a_{12}a_{13}b_{12}b_{13}$, $a_{12}^3a_{13}b_{12}b_{13}$, $a_{11}a_{12}a_{13}a_{22}b_{12}b_{13}$, $a_{12}a_{13}a_{22}^2b_{12}b_{13}$, $a_{11}^3a_{23}b_{12}b_{13}$, $a_{11}a_{12}^2a_{23}b_{12}b_{13}$, $a_{11}^2a_{22}a_{23}b_{12}b_{13}$, $a_{12}^2a_{22}a_{23}b_{12}b_{13}$, $a_{13}^2a_{22}a_{23}b_{12}b_{13}$, $a_{11}a_{22}^2a_{23}b_{12}b_{13}$, $a_{22}^3a_{23}b_{12}b_{13}$, $a_{12}a_{13}a_{23}^2b_{12}b_{13}$, $a_{11}a_{23}^3b_{12}b_{13}$, $a_{22}a_{23}^3b_{12}b_{13}$, $a_{12}a_{13}a_{22}a_{33}b_{12}b_{13}$, $a_{11}a_{22}a_{23}a_{33}b_{12}b_{13}$, $a_{22}^2a_{23}a_{33}b_{12}b_{13}$, $a_{11}^2a_{12}^2b_{11}b_{22}$, $a_{12}^4b_{11}b_{22}$, $a_{12}^2a_{13}^2b_{11}b_{22}$, $a_{11}a_{12}^2a_{22}b_{11}b_{22}$, $a_{11}a_{12}a_{13}a_{23}b_{11}b_{22}$, $a_{13}^2a_{23}^2b_{11}b_{22}$, $a_{12}a_{13}a_{23}a_{33}b_{11}b_{22}$, $a_{11}a_{12}^2a_{13}b_{13}b_{22}$, $a_{12}^2a_{13}a_{22}b_{13}b_{22}$, $a_{11}^2a_{12}a_{23}b_{13}b_{22}$, $a_{12}^3a_{23}b_{13}b_{22}$, $a_{12}a_{13}^2a_{23}b_{13}b_{22}$, $a_{11}a_{12}a_{22}a_{23}b_{13}b_{22}$, $a_{12}a_{22}^2a_{23}b_{13}b_{22}$, $a_{11}a_{13}a_{23}^2b_{13}b_{22}$, $a_{11}a_{12}a_{23}a_{33}b_{13}b_{22}$,

There are 80 monomial types.

2 Monomials accounted by U and copies of R

2.1 Monomial type $a_{11}^4b_{11}^2$ with coefficient 15

2.1.1 Monomial $a_{11}^4b_{11}^2$

- The $(\hat{1},\hat{1})$-row $(\hat{1},\hat{1})$-column entry of U is 15, for $(a_{11}^2b_{11})(a_{11}^2b_{11})$

2.1.2 Monomial $a_{33}^4b_{33}^2$

- The $(\hat{3},\hat{3})$-row $(\hat{3},\hat{3})$-column entry of U is 15, for $(a_{33}^2b_{33})(a_{33}^2b_{33})$

2.1.3 Monomial $a_{22}^4b_{22}^2$

- The $(\hat{2},\hat{2})$-row $(\hat{2},\hat{2})$-column entry of U is 15, for $(a_{22}^2b_{22})(a_{22}^2b_{22})$

2.2 Monomial type $a_{11}^2a_{12}^2b_{11}^2$ with coefficient 36

2.2.1 Monomial $a_{11}^2a_{12}^2b_{11}^2$

- The $(\hat{1},\hat{1})$-row $(\hat{1},\hat{2})$-column entry of U is 9, for $(a_{11}^2b_{11})(a_{12}^2b_{11})$
- The $(\hat{1},\hat{2})$-row $(\hat{1},\hat{1})$-column entry of U is 9, for $(a_{12}^2b_{11})(a_{11}^2b_{11})$
- The $(2,1)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 18, for $(a_{11}a_{12}b_{11})(a_{11}a_{12}b_{11})$

2.2.2 Monomial $a_{13}^2a_{33}^2b_{33}^2$

- The $(\hat{3},\hat{1})$-row $(\hat{3},\hat{3})$-column entry of U is 9, for $(a_{13}^2b_{33})(a_{33}^2b_{33})$
- The $(\hat{3},\hat{3})$-row $(\hat{3},\hat{1})$-column entry of U is 9, for $(a_{33}^2b_{33})(a_{13}^2b_{33})$
- The $(3,3)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 18, for $(a_{13}a_{33}b_{33})(a_{13}a_{33}b_{33})$

2.2.3 Monomial $a_{22}^2a_{23}^2b_{22}^2$

- The $(\hat{2},\hat{2})$-row $(\hat{2},\hat{3})$-column entry of U is 9, for $(a_{22}^2b_{22})(a_{23}^2b_{22})$
- The $(\hat{2},\hat{3})$-row $(\hat{2},\hat{2})$-column entry of U is 9, for $(a_{23}^2b_{22})(a_{22}^2b_{22})$
- The $(2,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 18, for $(a_{22}a_{23}b_{22})(a_{22}a_{23}b_{22})$

2.2.4 Monomial $a_{11}^2 a_{13}^2 b_{11}^2$

- The $(\hat{1},\hat{1})$-row $(\hat{1},\hat{3})$-column entry of U is 9, for $(a_{11}^2 b_{11})(a_{13}^2 b_{11})$
- The $(\hat{1},\hat{3})$-row $(\hat{1},\hat{1})$-column entry of U is 9, for $(a_{13}^2 b_{11})(a_{11}^2 b_{11})$
- The $(2,1)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 18, for $(a_{11}a_{13}b_{11})(a_{11}a_{13}b_{11})$

2.2.5 Monomial $a_{23}^2 a_{33}^2 b_{33}^2$

- The $(\hat{3},\hat{2})$-row $(\hat{3},\hat{3})$-column entry of U is 9, for $(a_{23}^2 b_{33})(a_{33}^2 b_{33})$
- The $(\hat{3},\hat{3})$-row $(\hat{3},\hat{2})$-column entry of U is 9, for $(a_{33}^2 b_{33})(a_{23}^2 b_{33})$
- The $(3,3)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 18, for $(a_{23}a_{33}b_{33})(a_{23}a_{33}b_{33})$

2.2.6 Monomial $a_{12}^2 a_{22}^2 b_{22}^2$

- The $(\hat{2},\hat{1})$-row $(\hat{2},\hat{2})$-column entry of U is 9, for $(a_{12}^2 b_{22})(a_{22}^2 b_{22})$
- The $(\hat{2},\hat{2})$-row $(\hat{2},\hat{1})$-column entry of U is 9, for $(a_{22}^2 b_{22})(a_{12}^2 b_{22})$
- The $(3,2)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 18, for $(a_{12}a_{22}b_{22})(a_{12}a_{22}b_{22})$

2.3 Monomial type $a_{12}^4 b_{11}^2$ with coefficient 9

2.3.1 Monomial $a_{12}^4 b_{11}^2$

- The $(\hat{1},\hat{2})$-row $(\hat{1},\hat{2})$-column entry of U is 9, for $(a_{12}^2 b_{11})(a_{12}^2 b_{11})$

2.3.2 Monomial $a_{13}^4 b_{33}^2$

- The $(\hat{3},\hat{1})$-row $(\hat{3},\hat{1})$-column entry of U is 9, for $(a_{13}^2 b_{33})(a_{13}^2 b_{33})$

2.3.3 Monomial $a_{23}^4 b_{22}^2$

- The $(\hat{2},\hat{3})$-row $(\hat{2},\hat{3})$-column entry of U is 9, for $(a_{23}^2 b_{22})(a_{23}^2 b_{22})$

2.3.4 Monomial $a_{13}^4 b_{11}^2$

- The $(\hat{1},\hat{3})$-row $(\hat{1},\hat{3})$-column entry of U is 9, for $(a_{13}^2 b_{11})(a_{13}^2 b_{11})$

2.3.5 Monomial $a_{23}^4 b_{33}^2$

- The $(\hat{3},\hat{2})$-row $(\hat{3},\hat{2})$-column entry of U is 9, for $(a_{23}^2 b_{33})(a_{23}^2 b_{33})$

2.3.6 Monomial $a_{12}^4 b_{22}^2$

- The $(\hat{2},\hat{1})$-row $(\hat{2},\hat{1})$-column entry of U is 9, for $(a_{12}^2 b_{22})(a_{12}^2 b_{22})$

2.4 Monomial type $a_{12}^2 a_{13}^2 b_{11}^2$ with coefficient 18

2.4.1 Monomial $a_{12}^2 a_{13}^2 b_{11}^2$

- The $(\hat{1},\hat{2})$-row $(\hat{1},\hat{3})$-column entry of U is 6, for $(a_{12}^2 b_{11})(a_{13}^2 b_{11})$
- The $(\hat{1},\hat{3})$-row $(\hat{1},\hat{2})$-column entry of U is 6, for $(a_{13}^2 b_{11})(a_{12}^2 b_{11})$
- The $(4,4,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{13}b_{11})(a_{12}a_{13}b_{11})$

2.4.2 Monomial $a_{13}^2 a_{23}^2 b_{33}^2$

- The $(\hat{3},\hat{1})$-row $(\hat{3},\hat{2})$-column entry of U is 6, for $(a_{13}^2 b_{33})(a_{23}^2 b_{33})$
- The $(\hat{3},\hat{2})$-row $(\hat{3},\hat{1})$-column entry of U is 6, for $(a_{23}^2 b_{33})(a_{13}^2 b_{33})$
- The $(4,4,3)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{23}b_{33})(a_{13}a_{23}b_{33})$

2.4.3 Monomial $a_{12}^2 a_{23}^2 b_{22}^2$

- The $(\hat{2},\hat{1})$-row $(\hat{2},\hat{3})$-column entry of U is 6, for $(a_{12}^2 b_{22})(a_{23}^2 b_{22})$
- The $(\hat{2},\hat{3})$-row $(\hat{2},\hat{1})$-column entry of U is 6, for $(a_{23}^2 b_{22})(a_{12}^2 b_{22})$
- The $(4,4,2)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{23}b_{22})(a_{12}a_{23}b_{22})$

2.5 Monomial type $a_{11}a_{12}^2 a_{22}b_{11}^2$ with coefficient 18

2.5.1 Monomial $a_{11}a_{12}^2 a_{22}b_{11}^2$

- The $(2,1)$-row $(6,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{12}b_{11})(a_{12}a_{22}b_{11})$
- The $(6,1)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{22}b_{11})(a_{11}a_{12}b_{11})$

2.5.2 Monomial $a_{11}a_{13}^2 a_{33}b_{33}^2$

- The $(3,3)$-row $(5,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{33}b_{33})(a_{11}a_{13}b_{33})$
- The $(5,2)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{13}b_{33})(a_{13}a_{33}b_{33})$

2.5.3 Monomial $a_{22}a_{23}^2 a_{33}b_{22}^2$

- The $(2,1)$-row $(6,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{23}b_{22})(a_{23}a_{33}b_{22})$
- The $(6,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}a_{33}b_{22})(a_{22}a_{23}b_{22})$

2.5.4 Monomial $a_{11}a_{13}^2 a_{33}b_{11}^2$

- The $(2,1)$-row $(6,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{13}b_{11})(a_{13}a_{33}b_{11})$
- The $(6,1)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{33}b_{11})(a_{11}a_{13}b_{11})$

2.5.5 Monomial $a_{22}a_{23}^2 a_{33}b_{33}^2$

- The $(3,3)$-row $(5,2)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}a_{33}b_{33})(a_{22}a_{23}b_{33})$
- The $(5,2)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{23}b_{33})(a_{23}a_{33}b_{33})$

2.5.6 Monomial $a_{11}a_{12}^2 a_{22}b_{22}^2$

- The $(3,2)$-row $(5,2)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{22}b_{22})(a_{11}a_{12}b_{22})$
- The $(5,2)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{12}b_{22})(a_{12}a_{22}b_{22})$

2.6 Monomial type $a_{12}^2 a_{22}^2 b_{11}^2$ with coefficient 6

2.6.1 Monomial $a_{12}^2 a_{22}^2 b_{11}^2$

- The $(6,1)$-row $(6,1)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{12}a_{22}b_{11})(a_{12}a_{22}b_{11})$

2.6.2 Monomial $a_{11}^2 a_{13}^2 b_{33}^2$

- The $(5,2)$-row $(5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{13}b_{33})(a_{11}a_{13}b_{33})$

2.6.3 Monomial $a_{23}^2 a_{33}^2 b_{22}^2$

- The $(6,1)$-row $(6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{23}a_{33}b_{22})(a_{23}a_{33}b_{22})$

2.6.4 Monomial $a_{13}^2 a_{33}^2 b_{11}^2$

- The $(6,1)$-row $(6,1)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{13}a_{33}b_{11})(a_{13}a_{33}b_{11})$

2.6.5 Monomial $a_{22}^2 a_{23}^2 b_{33}^2$

- The $(5,2)$-row $(5,2)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{22}a_{23}b_{33})(a_{22}a_{23}b_{33})$

2.6.6 Monomial $a_{11}^2 a_{12}^2 b_{22}^2$

- The $(5,2)$-row $(5,2)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{12}b_{22})(a_{11}a_{12}b_{22})$

2.7 Monomial type $a_{11}a_{12}a_{13}a_{23}b_{11}^2$ with coefficient 36

2.7.1 Monomial $a_{11}a_{12}a_{13}a_{23}b_{11}^2$

- The $(2,1)$-row $(6,4,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{12}b_{11})(a_{13}a_{23}b_{11})$
- The $(6,4,3)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}a_{23}b_{11})(a_{11}a_{12}b_{11})$
- The $(2,1)$-row $(6,4,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{13}b_{11})(a_{12}a_{23}b_{11})$
- The $(6,4,2)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{23}b_{11})(a_{11}a_{13}b_{11})$

2.7.2 Monomial $a_{12}a_{13}a_{23}a_{33}b_{33}^2$

- The $(3,3)$-row $(5,5,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{33}b_{33})(a_{12}a_{23}b_{33})$
- The $(5,5,2)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{23}b_{33})(a_{13}a_{33}b_{33})$
- The $(3,3)$-row $(5,5,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}a_{33}b_{33})(a_{12}a_{13}b_{33})$
- The $(5,5,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{13}b_{33})(a_{23}a_{33}b_{33})$

2.7.3 Monomial $a_{12}a_{13}a_{22}a_{23}b_{22}^2$

- The $(3,2)$-row $(5,5,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{22}b_{22})(a_{13}a_{23}b_{22})$
- The $(5,5,3)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}a_{23}b_{22})(a_{12}a_{22}b_{22})$
- The $(2,1)$-row $(6,4,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{23}b_{22})(a_{12}a_{13}b_{22})$
- The $(6,4,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{13}b_{22})(a_{22}a_{23}b_{22})$

2.8 Monomial type $a_{12}a_{13}a_{22}a_{23}b_{11}^2$ with coefficient 12

2.8.1 Monomial $a_{12}a_{13}a_{22}a_{23}b_{11}^2$

- The $(6,1)$-row $(6,4,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{12}a_{22}b_{11})(a_{13}a_{23}b_{11})$
- The $(6,4,3)$-row $(6,1)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{23}b_{11})(a_{12}a_{22}b_{11})$

2.8.2 Monomial $a_{11}a_{12}a_{13}a_{23}b_{33}^2$

- The $(5,2)$-row $(5,5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{13}b_{33})(a_{12}a_{23}b_{33})$
- The $(5,5,2)$-row $(5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{23}b_{33})(a_{11}a_{13}b_{33})$

2.8.3 Monomial $a_{12}a_{13}a_{23}a_{33}b_{22}^2$

- The $(6,1)$-row $(6,4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{23}a_{33}b_{22})(a_{12}a_{13}b_{22})$
- The $(6,4,1)$-row $(6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{13}b_{22})(a_{23}a_{33}b_{22})$

2.8.4 Monomial $a_{12}a_{13}a_{23}a_{33}b_{11}^2$

- The $(6,1)$-row $(6,4,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{13}a_{33}b_{11})(a_{12}a_{23}b_{11})$
- The $(6,4,2)$-row $(6,1)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{23}b_{11})(a_{13}a_{33}b_{11})$

2.8.5 Monomial $a_{12}a_{13}a_{22}a_{23}b_{33}^2$

- The $(5,2)$-row $(5,5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{22}a_{23}b_{33})(a_{12}a_{13}b_{33})$
- The $(5,5,1)$-row $(5,2)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{13}b_{33})(a_{22}a_{23}b_{33})$

2.8.6 Monomial $a_{11}a_{12}a_{13}a_{23}b_{22}^2$

- The $(5,2)$-row $(5,5,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{12}b_{22})(a_{13}a_{23}b_{22})$
- The $(5,5,3)$-row $(5,2)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{23}b_{22})(a_{11}a_{12}b_{22})$

2.9 Monomial type $a_{12}^2a_{23}^2b_{11}^2$ with coefficient 6

2.9.1 Monomial $a_{12}^2a_{23}^2b_{11}^2$

- The $(6,4,2)$-row $(6,4,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{23}b_{11})(a_{12}a_{23}b_{11})$

2.9.2 Monomial $a_{12}^2a_{13}^2b_{33}^2$

- The $(5,5,1)$-row $(5,5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{13}b_{33})(a_{12}a_{13}b_{33})$

2.9.3 Monomial $a_{13}^2a_{23}^2b_{22}^2$

- The $(5,5,3)$-row $(5,5,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{23}b_{22})(a_{13}a_{23}b_{22})$

2.9.4 Monomial $a_{13}^2a_{23}^2b_{11}^2$

- The $(6,4,3)$-row $(6,4,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{23}b_{11})(a_{13}a_{23}b_{11})$

2.9.5 Monomial $a_{12}^2a_{23}^2b_{33}^2$

- The $(5,5,2)$-row $(5,5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{23}b_{33})(a_{12}a_{23}b_{33})$

2.9.6 Monomial $a_{12}^2a_{13}^2b_{22}^2$

- The $(6,4,1)$-row $(6,4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{13}b_{22})(a_{12}a_{13}b_{22})$

2.10 Monomial type $a_{11}^3 a_{12} b_{11} b_{12}$ with coefficient 48

2.10.1 Monomial $a_{11}^3 a_{12} b_{11} b_{12}$

- The $(1,2)$-row $(\hat{1},\hat{1})$-column entry of U is 21, for $(a_{11}a_{12}b_{12})(a_{11}^2 b_{11})$
- The $(\hat{1},\hat{1})$-row $(1,2)$-column entry of U is 21, for $(a_{11}^2 b_{11})(a_{11}a_{12}b_{12})$
- The $(2,1)$-row $(5,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{12}b_{11})(a_{11}^2 b_{12})$
- The $(5,1)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}^2 b_{12})(a_{11}a_{12}b_{11})$

2.10.2 Monomial $a_{13} a_{33}^3 b_{13} b_{33}$

- The $(3,1)$-row $(\hat{3},\hat{3})$-column entry of U is 21, for $(a_{13}a_{33}b_{13})(a_{33}^2 b_{33})$
- The $(\hat{3},\hat{3})$-row $(3,1)$-column entry of U is 21, for $(a_{33}^2 b_{33})(a_{13}a_{33}b_{13})$
- The $(3,3)$-row $(6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13}a_{33}b_{33})(a_{33}^2 b_{13})$
- The $(6,2)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{33}^2 b_{13})(a_{13}a_{33}b_{33})$

2.10.3 Monomial $a_{22}^3 a_{23} b_{22} b_{23}$

- The $(2,3)$-row $(\hat{2},\hat{2})$-column entry of U is 21, for $(a_{22}a_{23}b_{23})(a_{22}^2 b_{22})$
- The $(\hat{2},\hat{2})$-row $(2,3)$-column entry of U is 21, for $(a_{22}^2 b_{22})(a_{22}a_{23}b_{23})$
- The $(2,1)$-row $(5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{23}b_{22})(a_{22}^2 b_{23})$
- The $(5,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}^2 b_{23})(a_{22}a_{23}b_{22})$

2.10.4 Monomial $a_{11}^3 a_{13} b_{11} b_{13}$

- The $(1,3)$-row $(\hat{1},\hat{1})$-column entry of U is 21, for $(a_{11}a_{13}b_{13})(a_{11}^2 b_{11})$
- The $(\hat{1},\hat{1})$-row $(1,3)$-column entry of U is 21, for $(a_{11}^2 b_{11})(a_{11}a_{13}b_{13})$
- The $(2,1)$-row $(5,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{13}b_{11})(a_{11}^2 b_{13})$
- The $(5,1)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}^2 b_{13})(a_{11}a_{13}b_{11})$

2.10.5 Monomial $a_{23} a_{33}^3 b_{23} b_{33}$

- The $(3,2)$-row $(\hat{3},\hat{3})$-column entry of U is 21, for $(a_{23}a_{33}b_{23})(a_{33}^2 b_{33})$
- The $(\hat{3},\hat{3})$-row $(3,2)$-column entry of U is 21, for $(a_{33}^2 b_{33})(a_{23}a_{33}b_{23})$
- The $(3,3)$-row $(6,2)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{23}a_{33}b_{33})(a_{33}^2 b_{23})$
- The $(6,2)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{33}^2 b_{23})(a_{23}a_{33}b_{33})$

2.10.6 Monomial $a_{12} a_{22}^3 b_{12} b_{22}$

- The $(2,1)$-row $(\hat{2},\hat{2})$-column entry of U is 21, for $(a_{12}a_{22}b_{12})(a_{22}^2 b_{22})$
- The $(\hat{2},\hat{2})$-row $(2,1)$-column entry of U is 21, for $(a_{22}^2 b_{22})(a_{12}a_{22}b_{12})$
- The $(3,2)$-row $(6,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{22}b_{22})(a_{22}^2 b_{12})$
- The $(6,2)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{22}^2 b_{12})(a_{12}a_{22}b_{22})$

2.11 Monomial type $a_{11}a_{12}^3b_{11}b_{12}$ with coefficient 72

2.11.1 Monomial $a_{11}a_{12}^3b_{11}b_{12}$

- The $(1,2)$-row $(\hat{1},\hat{2})$-column entry of U is 15, for $(a_{11}a_{12}b_{12})(a_{12}^2b_{11})$
- The $(\hat{1},\hat{2})$-row $(1,2)$-column entry of U is 15, for $(a_{12}^2b_{11})(a_{11}a_{12}b_{12})$
- The (1)-row $(2,1)$-column entry of the $(1,2)$-copy of R is 21, for $(a_{12}^2b_{12})(a_{11}a_{12}b_{11})$
- The $(2,1)$-row (1)-column entry of the $(1,2)$-copy of R is 21, for $(a_{11}a_{12}b_{11})(a_{12}^2b_{12})$

2.11.2 Monomial $a_{13}^3a_{33}b_{13}b_{33}$

- The $(3,1)$-row $(\hat{3},\hat{1})$-column entry of U is 15, for $(a_{13}a_{33}b_{13})(a_{13}^2b_{33})$
- The $(\hat{3},\hat{1})$-row $(3,1)$-column entry of U is 15, for $(a_{13}^2b_{33})(a_{13}a_{33}b_{13})$
- The (1)-row $(3,3)$-column entry of the $(1,3)$-copy of R is 21, for $(a_{13}^2b_{13})(a_{13}a_{33}b_{33})$
- The $(3,3)$-row (1)-column entry of the $(1,3)$-copy of R is 21, for $(a_{13}a_{33}b_{33})(a_{13}^2b_{13})$

2.11.3 Monomial $a_{22}a_{23}^3b_{22}b_{23}$

- The $(2,3)$-row $(\hat{2},\hat{3})$-column entry of U is 15, for $(a_{22}a_{23}b_{23})(a_{23}^2b_{22})$
- The $(\hat{2},\hat{3})$-row $(2,3)$-column entry of U is 15, for $(a_{23}^2b_{22})(a_{22}a_{23}b_{23})$
- The (1)-row $(2,1)$-column entry of the $(2,3)$-copy of R is 21, for $(a_{23}^2b_{23})(a_{22}a_{23}b_{22})$
- The $(2,1)$-row (1)-column entry of the $(2,3)$-copy of R is 21, for $(a_{22}a_{23}b_{22})(a_{23}^2b_{23})$

2.11.4 Monomial $a_{11}a_{13}^3b_{11}b_{13}$

- The $(1,3)$-row $(\hat{1},\hat{3})$-column entry of U is 15, for $(a_{11}a_{13}b_{13})(a_{13}^2b_{11})$
- The $(\hat{1},\hat{3})$-row $(1,3)$-column entry of U is 15, for $(a_{13}^2b_{11})(a_{11}a_{13}b_{13})$
- The (1)-row $(2,1)$-column entry of the $(1,3)$-copy of R is 21, for $(a_{13}^2b_{13})(a_{11}a_{13}b_{11})$
- The $(2,1)$-row (1)-column entry of the $(1,3)$-copy of R is 21, for $(a_{11}a_{13}b_{11})(a_{13}^2b_{13})$

2.11.5 Monomial $a_{23}^3a_{33}b_{23}b_{33}$

- The $(3,2)$-row $(\hat{3},\hat{2})$-column entry of U is 15, for $(a_{23}a_{33}b_{23})(a_{23}^2b_{33})$
- The $(\hat{3},\hat{2})$-row $(3,2)$-column entry of U is 15, for $(a_{23}^2b_{33})(a_{23}a_{33}b_{23})$
- The (1)-row $(3,3)$-column entry of the $(2,3)$-copy of R is 21, for $(a_{23}^2b_{23})(a_{23}a_{33}b_{33})$
- The $(3,3)$-row (1)-column entry of the $(2,3)$-copy of R is 21, for $(a_{23}a_{33}b_{33})(a_{23}^2b_{23})$

2.11.6 Monomial $a_{12}^3a_{22}b_{12}b_{22}$

- The $(2,1)$-row $(\hat{2},\hat{1})$-column entry of U is 15, for $(a_{12}a_{22}b_{12})(a_{12}^2b_{22})$
- The $(\hat{2},\hat{1})$-row $(2,1)$-column entry of U is 15, for $(a_{12}^2b_{22})(a_{12}a_{22}b_{12})$
- The (1)-row $(3,2)$-column entry of the $(1,2)$-copy of R is 21, for $(a_{12}^2b_{12})(a_{12}a_{22}b_{22})$
- The $(3,2)$-row (1)-column entry of the $(1,2)$-copy of R is 21, for $(a_{12}a_{22}b_{22})(a_{12}^2b_{12})$

2.12 Monomial type $a_{11}a_{12}a_{13}^2b_{11}b_{12}$ with coefficient 72

2.12.1 Monomial $a_{11}a_{12}a_{13}^2b_{11}b_{12}$

- The $(1,2)$-row $(\hat{1},\hat{3})$-column entry of U is 12, for $(a_{11}a_{12}b_{12})(a_{13}^2b_{11})$
- The $(\hat{1},\hat{3})$-row $(1,2)$-column entry of U is 12, for $(a_{13}^2b_{11})(a_{11}a_{12}b_{12})$
- The $(2,1)$-row $(5,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{12}b_{11})(a_{13}^2b_{12})$
- The $(5,4,3)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}^2b_{12})(a_{11}a_{12}b_{11})$
- The $(2,1)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 18, for $(a_{11}a_{13}b_{11})(a_{12}a_{13}b_{12})$
- The $(2,2,2)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 18, for $(a_{12}a_{13}b_{12})(a_{11}a_{13}b_{11})$
- The $(4,4,1)$-row $(6,6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{11})(a_{11}a_{13}b_{12})$
- The $(6,6,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{11}a_{13}b_{12})(a_{12}a_{13}b_{11})$

2.12.2 Monomial $a_{13}a_{23}^2a_{33}b_{13}b_{33}$

- The $(3,1)$-row $(\hat{3},\hat{2})$-column entry of U is 12, for $(a_{13}a_{33}b_{13})(a_{23}^2b_{33})$
- The $(\hat{3},\hat{2})$-row $(3,1)$-column entry of U is 12, for $(a_{23}^2b_{33})(a_{13}a_{33}b_{13})$
- The $(4,4,3)$-row $(6,6,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{33})(a_{23}a_{33}b_{13})$
- The $(6,6,3)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{23}a_{33}b_{13})(a_{13}a_{23}b_{33})$
- The $(3,3)$-row $(6,5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13}a_{33}b_{33})(a_{23}^2b_{13})$
- The $(6,5,2)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{23}^2b_{13})(a_{13}a_{33}b_{33})$
- The $(3,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 18, for $(a_{13}a_{23}b_{13})(a_{23}a_{33}b_{33})$
- The $(3,3)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 18, for $(a_{23}a_{33}b_{33})(a_{13}a_{23}b_{13})$

2.12.3 Monomial $a_{12}^2a_{22}a_{23}b_{22}b_{23}$

- The $(2,3)$-row $(\hat{2},\hat{1})$-column entry of U is 12, for $(a_{22}a_{23}b_{23})(a_{12}^2b_{22})$
- The $(\hat{2},\hat{1})$-row $(2,3)$-column entry of U is 12, for $(a_{12}^2b_{22})(a_{22}a_{23}b_{23})$
- The $(3,2)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 18, for $(a_{12}a_{22}b_{22})(a_{12}a_{23}b_{23})$
- The $(3,3)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 18, for $(a_{12}a_{23}b_{23})(a_{12}a_{22}b_{22})$
- The $(4,4,2)$-row $(5,6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{22})(a_{12}a_{22}b_{23})$
- The $(5,6,2)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{22}b_{23})(a_{12}a_{23}b_{22})$
- The $(2,1)$-row $(5,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{23}b_{22})(a_{12}^2b_{23})$
- The $(5,4,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}^2b_{23})(a_{22}a_{23}b_{22})$

2.12.4 Monomial $a_{11}a_{12}^2a_{13}b_{11}b_{13}$

- The $(1,3)$-row $(\hat{1},\hat{2})$-column entry of U is 12, for $(a_{11}a_{13}b_{13})(a_{12}^2b_{11})$
- The $(\hat{1},\hat{2})$-row $(1,3)$-column entry of U is 12, for $(a_{12}^2b_{11})(a_{11}a_{13}b_{13})$
- The $(2,1)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 18, for $(a_{11}a_{12}b_{11})(a_{12}a_{13}b_{13})$
- The $(2,2,3)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 18, for $(a_{12}a_{13}b_{13})(a_{11}a_{12}b_{11})$
- The $(2,1)$-row $(5,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{13}b_{11})(a_{12}^2b_{13})$
- The $(5,4,2)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}^2b_{13})(a_{11}a_{13}b_{11})$
- The $(4,4,1)$-row $(5,6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{11})(a_{11}a_{12}b_{13})$
- The $(5,6,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{11}a_{12}b_{13})(a_{12}a_{13}b_{11})$

2.12.5 Monomial $a_{13}^2a_{23}a_{33}b_{23}b_{33}$

- The $(3,2)$-row $(\hat{3},\hat{1})$-column entry of U is 12, for $(a_{23}a_{33}b_{23})(a_{13}^2b_{33})$
- The $(\hat{3},\hat{1})$-row $(3,2)$-column entry of U is 12, for $(a_{13}^2b_{33})(a_{23}a_{33}b_{23})$
- The $(4,4,3)$-row $(5,6,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{33})(a_{13}a_{33}b_{23})$
- The $(5,6,3)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{33}b_{23})(a_{13}a_{23}b_{33})$
- The $(3,2)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 18, for $(a_{13}a_{23}b_{23})(a_{13}a_{33}b_{33})$
- The $(3,3)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 18, for $(a_{13}a_{33}b_{33})(a_{13}a_{23}b_{23})$
- The $(3,3)$-row $(6,5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{23}a_{33}b_{33})(a_{13}^2b_{23})$
- The $(6,5,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}^2b_{23})(a_{23}a_{33}b_{33})$

2.12.6 Monomial $a_{12}a_{22}a_{23}^2b_{12}b_{22}$

- The $(2,1)$-row $(\hat{2},\hat{3})$-column entry of U is 12, for $(a_{12}a_{22}b_{12})(a_{23}^2b_{22})$
- The $(\hat{2},\hat{3})$-row $(2,1)$-column entry of U is 12, for $(a_{23}^2b_{22})(a_{12}a_{22}b_{12})$
- The $(3,2)$-row $(6,5,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{22}b_{22})(a_{23}^2b_{12})$
- The $(6,5,3)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{23}^2b_{12})(a_{12}a_{22}b_{22})$
- The $(4,4,2)$-row $(6,6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{22})(a_{22}a_{23}b_{12})$
- The $(6,6,2)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{22}a_{23}b_{12})(a_{12}a_{23}b_{22})$
- The $(2,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 18, for $(a_{22}a_{23}b_{22})(a_{12}a_{23}b_{12})$
- The $(2,2,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 18, for $(a_{12}a_{23}b_{12})(a_{22}a_{23}b_{22})$

2.13 Monomial type $a_{11}^2a_{12}a_{22}b_{11}b_{12}$ with coefficient 36

2.13.1 Monomial $a_{11}^2a_{12}a_{22}b_{11}b_{12}$

- The $(2,1)$-row $(\hat{1},\hat{1})$-column entry of U is 9, for $(a_{12}a_{22}b_{12})(a_{11}^2b_{11})$
- The $(\hat{1},\hat{1})$-row $(2,1)$-column entry of U is 9, for $(a_{11}^2b_{11})(a_{12}a_{22}b_{12})$
- The $(2,1)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{12}b_{11})(a_{11}a_{22}b_{12})$
- The $(4,1)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{22}b_{12})(a_{11}a_{12}b_{11})$

2.13.2 Monomial $a_{11}a_{13}a_{33}^2b_{13}b_{33}$

- The $(1,3)$-row $(\hat{3},\hat{3})$-column entry of U is 9, for $(a_{11}a_{13}b_{13})(a_{33}^2b_{33})$
- The $(\hat{3},\hat{3})$-row $(1,3)$-column entry of U is 9, for $(a_{33}^2b_{33})(a_{11}a_{13}b_{13})$
- The $(3,3)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{33}b_{33})(a_{11}a_{33}b_{13})$
- The $(4,1)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{33}b_{13})(a_{13}a_{33}b_{33})$

2.13.3 Monomial $a_{22}^2a_{23}a_{33}b_{22}b_{23}$

- The $(3,2)$-row $(\hat{2},\hat{2})$-column entry of U is 9, for $(a_{23}a_{33}b_{23})(a_{22}^2b_{22})$
- The $(\hat{2},\hat{2})$-row $(3,2)$-column entry of U is 9, for $(a_{22}^2b_{22})(a_{23}a_{33}b_{23})$
- The $(2,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{23}b_{22})(a_{22}a_{33}b_{23})$
- The $(4,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{33}b_{23})(a_{22}a_{23}b_{22})$

2.13.4 Monomial $a_{11}^2a_{13}a_{33}b_{11}b_{13}$

- The $(3,1)$-row $(\hat{1},\hat{1})$-column entry of U is 9, for $(a_{13}a_{33}b_{13})(a_{11}^2b_{11})$
- The $(\hat{1},\hat{1})$-row $(3,1)$-column entry of U is 9, for $(a_{11}^2b_{11})(a_{13}a_{33}b_{13})$
- The $(2,1)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{13}b_{11})(a_{11}a_{33}b_{13})$
- The $(4,1)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{33}b_{13})(a_{11}a_{13}b_{11})$

2.13.5 Monomial $a_{22}a_{23}a_{33}^2b_{23}b_{33}$

- The $(2,3)$-row $(\hat{3},\hat{3})$-column entry of U is 9, for $(a_{22}a_{23}b_{23})(a_{33}^2b_{33})$
- The $(\hat{3},\hat{3})$-row $(2,3)$-column entry of U is 9, for $(a_{33}^2b_{33})(a_{22}a_{23}b_{23})$
- The $(3,3)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}a_{33}b_{33})(a_{22}a_{33}b_{23})$
- The $(4,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{33}b_{23})(a_{23}a_{33}b_{33})$

2.13.6 Monomial $a_{11}a_{12}a_{22}^2b_{12}b_{22}$

- The $(1,2)$-row $(\hat{2},\hat{2})$-column entry of U is 9, for $(a_{11}a_{12}b_{12})(a_{22}^2b_{22})$
- The $(\hat{2},\hat{2})$-row $(1,2)$-column entry of U is 9, for $(a_{22}^2b_{22})(a_{11}a_{12}b_{12})$
- The $(3,2)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{22}b_{22})(a_{11}a_{22}b_{12})$
- The $(4,1)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{22}b_{12})(a_{12}a_{22}b_{22})$

2.14 Monomial type $a_{12}^3a_{22}b_{11}b_{12}$ with coefficient 48

2.14.1 Monomial $a_{12}^3a_{22}b_{11}b_{12}$

- The $(2,1)$-row $(\hat{1},\hat{2})$-column entry of U is 15, for $(a_{12}a_{22}b_{12})(a_{12}^2b_{11})$
- The $(\hat{1},\hat{2})$-row $(2,1)$-column entry of U is 15, for $(a_{12}^2b_{11})(a_{12}a_{22}b_{12})$
- The (1)-row $(6,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}^2b_{12})(a_{12}a_{22}b_{11})$
- The $(6,1)$-row (1)-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{22}b_{11})(a_{12}^2b_{12})$

2.14.2 Monomial $a_{11}a_{13}^3b_{13}b_{33}$

- The $(1,3)$-row $(\hat{3},\hat{1})$-column entry of U is 15, for $(a_{11}a_{13}b_{13})(a_{13}^2b_{33})$
- The $(\hat{3},\hat{1})$-row $(1,3)$-column entry of U is 15, for $(a_{13}^2b_{33})(a_{11}a_{13}b_{13})$
- The (1)-row $(5,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}^2b_{13})(a_{11}a_{13}b_{33})$
- The $(5,2)$-row (1)-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{13}b_{33})(a_{13}^2b_{13})$

2.14.3 Monomial $a_{23}^3a_{33}b_{22}b_{23}$

- The $(3,2)$-row $(\hat{2},\hat{3})$-column entry of U is 15, for $(a_{23}a_{33}b_{23})(a_{23}^2b_{22})$
- The $(\hat{2},\hat{3})$-row $(3,2)$-column entry of U is 15, for $(a_{23}^2b_{22})(a_{23}a_{33}b_{23})$
- The (1)-row $(6,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}^2b_{23})(a_{23}a_{33}b_{22})$
- The $(6,1)$-row (1)-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}a_{33}b_{22})(a_{23}^2b_{23})$

2.14.4 Monomial $a_{13}^3a_{33}b_{11}b_{13}$

- The $(3,1)$-row $(\hat{1},\hat{3})$-column entry of U is 15, for $(a_{13}a_{33}b_{13})(a_{13}^2b_{11})$
- The $(\hat{1},\hat{3})$-row $(3,1)$-column entry of U is 15, for $(a_{13}^2b_{11})(a_{13}a_{33}b_{13})$
- The (1)-row $(6,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}^2b_{13})(a_{13}a_{33}b_{11})$
- The $(6,1)$-row (1)-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{33}b_{11})(a_{13}^2b_{13})$

2.14.5 Monomial $a_{22}a_{23}^3b_{23}b_{33}$

- The $(2,3)$-row $(\hat{3},\hat{2})$-column entry of U is 15, for $(a_{22}a_{23}b_{23})(a_{23}^2b_{33})$
- The $(\hat{3},\hat{2})$-row $(2,3)$-column entry of U is 15, for $(a_{23}^2b_{33})(a_{22}a_{23}b_{23})$
- The (1)-row $(5,2)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}^2b_{23})(a_{22}a_{23}b_{33})$
- The $(5,2)$-row (1)-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{23}b_{33})(a_{23}^2b_{23})$

2.14.6 Monomial $a_{11}a_{12}^3b_{12}b_{22}$

- The $(1,2)$-row $(\hat{2},\hat{1})$-column entry of U is 15, for $(a_{11}a_{12}b_{12})(a_{12}^2b_{22})$
- The $(\hat{2},\hat{1})$-row $(1,2)$-column entry of U is 15, for $(a_{12}^2b_{22})(a_{11}a_{12}b_{12})$
- The (1)-row $(5,2)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}^2b_{12})(a_{11}a_{12}b_{22})$
- The $(5,2)$-row (1)-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{12}b_{22})(a_{12}^2b_{12})$

2.15 Monomial type $a_{12}a_{13}^2a_{22}b_{11}b_{12}$ with coefficient 24

2.15.1 Monomial $a_{12}a_{13}^2a_{22}b_{11}b_{12}$

- The $(2,1)$-row $(\hat{1},\hat{3})$-column entry of U is 6, for $(a_{12}a_{22}b_{12})(a_{13}^2b_{11})$
- The $(\hat{1},\hat{3})$-row $(2,1)$-column entry of U is 6, for $(a_{13}^2b_{11})(a_{12}a_{22}b_{12})$
- The $(4,2,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{13}a_{22}b_{12})(a_{12}a_{13}b_{11})$
- The $(4,4,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{13}b_{11})(a_{13}a_{22}b_{12})$

2.15.2 Monomial $a_{11}a_{13}a_{23}^2b_{13}b_{33}$

- The $(1,3)$-row $(\hat{3},\hat{2})$-column entry of U is 6, for $(a_{11}a_{13}b_{13})(a_{23}^2b_{33})$
- The $(\hat{3},\hat{2})$-row $(1,3)$-column entry of U is 6, for $(a_{23}^2b_{33})(a_{11}a_{13}b_{13})$
- The $(4,2,3)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{23}b_{13})(a_{13}a_{23}b_{33})$
- The $(4,4,3)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{23}b_{33})(a_{11}a_{23}b_{13})$

2.15.3 Monomial $a_{12}^2a_{23}a_{33}b_{22}b_{23}$

- The $(3,2)$-row $(\hat{2},\hat{1})$-column entry of U is 6, for $(a_{23}a_{33}b_{23})(a_{12}^2b_{22})$
- The $(\hat{2},\hat{1})$-row $(3,2)$-column entry of U is 6, for $(a_{12}^2b_{22})(a_{23}a_{33}b_{23})$
- The $(4,3,2)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{33}b_{23})(a_{12}a_{23}b_{22})$
- The $(4,4,2)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{23}b_{22})(a_{12}a_{33}b_{23})$

2.15.4 Monomial $a_{12}^2a_{13}a_{33}b_{11}b_{13}$

- The $(3,1)$-row $(\hat{1},\hat{2})$-column entry of U is 6, for $(a_{13}a_{33}b_{13})(a_{12}^2b_{11})$
- The $(\hat{1},\hat{2})$-row $(3,1)$-column entry of U is 6, for $(a_{12}^2b_{11})(a_{13}a_{33}b_{13})$
- The $(4,3,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{33}b_{13})(a_{12}a_{13}b_{11})$
- The $(4,4,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{13}b_{11})(a_{12}a_{33}b_{13})$

2.15.5 Monomial $a_{13}^2a_{22}a_{23}b_{23}b_{33}$

- The $(2,3)$-row $(\hat{3},\hat{1})$-column entry of U is 6, for $(a_{22}a_{23}b_{23})(a_{13}^2b_{33})$
- The $(\hat{3},\hat{1})$-row $(2,3)$-column entry of U is 6, for $(a_{13}^2b_{33})(a_{22}a_{23}b_{23})$
- The $(4,3,3)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{22}b_{23})(a_{13}a_{23}b_{33})$
- The $(4,4,3)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{23}b_{33})(a_{13}a_{22}b_{23})$

2.15.6 Monomial $a_{11}a_{12}a_{23}^2b_{12}b_{22}$

- The $(1,2)$-row $(\hat{2},\hat{3})$-column entry of U is 6, for $(a_{11}a_{12}b_{12})(a_{23}^2b_{22})$
- The $(\hat{2},\hat{3})$-row $(1,2)$-column entry of U is 6, for $(a_{23}^2b_{22})(a_{11}a_{12}b_{12})$
- The $(4,2,2)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{23}b_{12})(a_{12}a_{23}b_{22})$
- The $(4,4,2)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{23}b_{22})(a_{11}a_{23}b_{12})$

2.16 Monomial type $a_{11}a_{12}a_{22}^2b_{11}b_{12}$ with coefficient 24

2.16.1 Monomial $a_{11}a_{12}a_{22}^2b_{11}b_{12}$

- The $(2,1)$-row $(6,2)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{12}b_{11})(a_{22}^2b_{12})$
- The $(4,1)$-row $(6,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{22}b_{12})(a_{12}a_{22}b_{11})$
- The $(6,1)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{22}b_{11})(a_{11}a_{22}b_{12})$
- The $(6,2)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{22}^2b_{12})(a_{11}a_{12}b_{11})$

2.16.2 Monomial $a_{11}^2 a_{13} a_{33} b_{13} b_{33}$

- The $(3,3)$-row $(5,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{33}b_{33})(a_{11}^2 b_{13})$
- The $(4,1)$-row $(5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{33}b_{13})(a_{11}a_{13}b_{33})$
- The $(5,1)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}^2 b_{13})(a_{13}a_{33}b_{33})$
- The $(5,2)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{13}b_{33})(a_{11}a_{33}b_{13})$

2.16.3 Monomial $a_{22} a_{23} a_{33}^2 b_{22} b_{23}$

- The $(2,1)$-row $(6,2)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{23}b_{22})(a_{33}^2 b_{23})$
- The $(4,1)$-row $(6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{33}b_{23})(a_{23}a_{33}b_{22})$
- The $(6,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{23}a_{33}b_{22})(a_{22}a_{33}b_{23})$
- The $(6,2)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{33}^2 b_{23})(a_{22}a_{23}b_{22})$

2.16.4 Monomial $a_{11} a_{13} a_{33}^2 b_{11} b_{13}$

- The $(2,1)$-row $(6,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{13}b_{11})(a_{33}^2 b_{13})$
- The $(4,1)$-row $(6,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{33}b_{13})(a_{13}a_{33}b_{11})$
- The $(6,1)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13}a_{33}b_{11})(a_{11}a_{33}b_{13})$
- The $(6,2)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{33}^2 b_{13})(a_{11}a_{13}b_{11})$

2.16.5 Monomial $a_{22}^2 a_{23} a_{33} b_{23} b_{33}$

- The $(3,3)$-row $(5,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}a_{33}b_{33})(a_{22}^2 b_{23})$
- The $(4,1)$-row $(5,2)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{33}b_{23})(a_{22}a_{23}b_{33})$
- The $(5,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}^2 b_{23})(a_{23}a_{33}b_{33})$
- The $(5,2)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{23}b_{33})(a_{22}a_{33}b_{23})$

2.16.6 Monomial $a_{11}^2 a_{12} a_{22} b_{12} b_{22}$

- The $(3,2)$-row $(5,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{22}b_{22})(a_{11}^2 b_{12})$
- The $(4,1)$-row $(5,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{22}b_{12})(a_{11}a_{12}b_{22})$
- The $(5,1)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}^2 b_{12})(a_{12}a_{22}b_{22})$
- The $(5,2)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{12}b_{22})(a_{11}a_{22}b_{12})$

2.17 Monomial type $a_{12} a_{22}^3 b_{11} b_{12}$ with coefficient 12

2.17.1 Monomial $a_{12} a_{22}^3 b_{11} b_{12}$

- The $(6,1)$-row $(6,2)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{12}a_{22}b_{11})(a_{22}^2 b_{12})$
- The $(6,2)$-row $(6,1)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{22}^2 b_{12})(a_{12}a_{22}b_{11})$

2.17.2 Monomial $a_{11}^3 a_{13} b_{13} b_{33}$

- The $(5,1)$-row $(5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}^2 b_{13})(a_{11}a_{13}b_{33})$
- The $(5,2)$-row $(5,1)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{13}b_{33})(a_{11}^2 b_{13})$

2.17.3 Monomial $a_{23}a_{33}^3b_{22}b_{23}$

- The $(6,1)$-row $(6,2)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{23}a_{33}b_{22})(a_{33}^2b_{23})$
- The $(6,2)$-row $(6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{33}^2b_{23})(a_{23}a_{33}b_{22})$

2.17.4 Monomial $a_{13}a_{33}^3b_{11}b_{13}$

- The $(6,1)$-row $(6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{13}a_{33}b_{11})(a_{33}^2b_{13})$
- The $(6,2)$-row $(6,1)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{33}^2b_{13})(a_{13}a_{33}b_{11})$

2.17.5 Monomial $a_{22}^3a_{23}b_{23}b_{33}$

- The $(5,1)$-row $(5,2)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{22}^2b_{23})(a_{22}a_{23}b_{33})$
- The $(5,2)$-row $(5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{22}a_{23}b_{33})(a_{22}^2b_{23})$

2.17.6 Monomial $a_{11}^3a_{12}b_{12}b_{22}$

- The $(5,1)$-row $(5,2)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}^2b_{12})(a_{11}a_{12}b_{22})$
- The $(5,2)$-row $(5,1)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{12}b_{22})(a_{11}^2b_{12})$

2.18 Monomial type $a_{11}^2a_{13}a_{23}b_{11}b_{12}$ with coefficient 36

2.18.1 Monomial $a_{11}^2a_{13}a_{23}b_{11}b_{12}$

- The $(\{1,2,3\},3)$-row $(\hat{1},\hat{1})$-column entry of U is 9, for $(a_{13}a_{23}b_{12})(a_{11}^2b_{11})$
- The $(\hat{1},\hat{1})$-row $(\{1,2,3\},3)$-column entry of U is 9, for $(a_{11}^2b_{11})(a_{13}a_{23}b_{12})$
- The $(2,1)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{13}b_{11})(a_{11}a_{23}b_{12})$
- The $(4,2,2)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{23}b_{12})(a_{11}a_{13}b_{11})$

2.18.2 Monomial $a_{12}a_{23}a_{33}^2b_{13}b_{33}$

- The $(\{1,2,3\},2)$-row $(\hat{3},\hat{3})$-column entry of U is 9, for $(a_{12}a_{23}b_{13})(a_{33}^2b_{33})$
- The $(\hat{3},\hat{3})$-row $(\{1,2,3\},2)$-column entry of U is 9, for $(a_{33}^2b_{33})(a_{12}a_{23}b_{13})$
- The $(3,3)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}a_{33}b_{33})(a_{12}a_{33}b_{13})$
- The $(4,3,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{33}b_{13})(a_{23}a_{33}b_{33})$

2.18.3 Monomial $a_{12}a_{13}a_{22}^2b_{22}b_{23}$

- The $(\{1,2,3\},1)$-row $(\hat{2},\hat{2})$-column entry of U is 9, for $(a_{12}a_{13}b_{23})(a_{22}^2b_{22})$
- The $(\hat{2},\hat{2})$-row $(\{1,2,3\},1)$-column entry of U is 9, for $(a_{22}^2b_{22})(a_{12}a_{13}b_{23})$
- The $(3,2)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{22}b_{22})(a_{13}a_{22}b_{23})$
- The $(4,3,3)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}a_{22}b_{23})(a_{12}a_{22}b_{22})$

2.18.4 Monomial $a_{11}^2 a_{12} a_{23} b_{11} b_{13}$

- The $(\{1,2,3\},2)$-row $(\hat{1},\hat{1})$-column entry of U is 9, for $(a_{12}a_{23}b_{13})(a_{11}^2 b_{11})$
- The $(\hat{1},\hat{1})$-row $(\{1,2,3\},2)$-column entry of U is 9, for $(a_{11}^2 b_{11})(a_{12}a_{23}b_{13})$
- The $(2,1)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{12}b_{11})(a_{11}a_{23}b_{13})$
- The $(4,2,3)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{23}b_{13})(a_{11}a_{12}b_{11})$

2.18.5 Monomial $a_{12} a_{13} a_{33}^2 b_{23} b_{33}$

- The $(\{1,2,3\},1)$-row $(\hat{3},\hat{3})$-column entry of U is 9, for $(a_{12}a_{13}b_{23})(a_{33}^2 b_{33})$
- The $(\hat{3},\hat{3})$-row $(\{1,2,3\},1)$-column entry of U is 9, for $(a_{33}^2 b_{33})(a_{12}a_{13}b_{23})$
- The $(3,3)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{33}b_{33})(a_{12}a_{33}b_{23})$
- The $(4,3,2)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{33}b_{23})(a_{13}a_{33}b_{33})$

2.18.6 Monomial $a_{13} a_{22}^2 a_{23} b_{12} b_{22}$

- The $(\{1,2,3\},3)$-row $(\hat{2},\hat{2})$-column entry of U is 9, for $(a_{13}a_{23}b_{12})(a_{22}^2 b_{22})$
- The $(\hat{2},\hat{2})$-row $(\{1,2,3\},3)$-column entry of U is 9, for $(a_{22}^2 b_{22})(a_{13}a_{23}b_{12})$
- The $(2,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{23}b_{22})(a_{13}a_{22}b_{12})$
- The $(4,2,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}a_{22}b_{12})(a_{22}a_{23}b_{22})$

2.19 Monomial type $a_{12}^2 a_{13} a_{23} b_{11} b_{12}$ with coefficient 72

2.19.1 Monomial $a_{12}^2 a_{13} a_{23} b_{11} b_{12}$

- The $(\{1,2,3\},3)$-row $(\hat{1},\hat{2})$-column entry of U is 9, for $(a_{13}a_{23}b_{12})(a_{12}^2 b_{11})$
- The $(\hat{1},\hat{2})$-row $(\{1,2,3\},3)$-column entry of U is 9, for $(a_{12}^2 b_{11})(a_{13}a_{23}b_{12})$
- The (1)-row $(6,4,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}^2 b_{12})(a_{13}a_{23}b_{11})$
- The $(6,4,3)$-row (1)-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}a_{23}b_{11})(a_{12}^2 b_{12})$
- The $(2,2,2)$-row $(6,4,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{13}b_{12})(a_{12}a_{23}b_{11})$
- The $(6,4,2)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{23}b_{11})(a_{12}a_{13}b_{12})$
- The $(2,2,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{23}b_{12})(a_{12}a_{13}b_{11})$
- The $(4,4,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{13}b_{11})(a_{12}a_{23}b_{12})$

2.19.2 Monomial $a_{12} a_{13}^2 a_{23} b_{13} b_{33}$

- The $(\{1,2,3\},2)$-row $(\hat{3},\hat{1})$-column entry of U is 9, for $(a_{12}a_{23}b_{13})(a_{13}^2 b_{33})$
- The $(\hat{3},\hat{1})$-row $(\{1,2,3\},2)$-column entry of U is 9, for $(a_{13}^2 b_{33})(a_{12}a_{23}b_{13})$
- The $(2,2,3)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{13}b_{13})(a_{13}a_{23}b_{33})$
- The $(4,4,3)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}a_{23}b_{33})(a_{12}a_{13}b_{13})$
- The (1)-row $(5,5,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}^2 b_{13})(a_{12}a_{23}b_{33})$
- The $(5,5,2)$-row (1)-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{23}b_{33})(a_{13}^2 b_{13})$
- The $(3,1)$-row $(5,5,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}a_{23}b_{13})(a_{12}a_{13}b_{33})$
- The $(5,5,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{13}b_{33})(a_{13}a_{23}b_{13})$

2.19.3 Monomial $a_{12}a_{13}a_{23}^2b_{22}b_{23}$

- The $(\{1,2,3\},1)$-row $(\hat{2},\hat{3})$-column entry of U is 9, for $(a_{12}a_{13}b_{23})(a_{23}^2b_{22})$
- The $(\hat{2},\hat{3})$-row $(\{1,2,3\},1)$-column entry of U is 9, for $(a_{23}^2b_{22})(a_{12}a_{13}b_{23})$
- The $(3,3)$-row $(5,5,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{23}b_{23})(a_{13}a_{23}b_{22})$
- The $(5,5,3)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}a_{23}b_{22})(a_{12}a_{23}b_{23})$
- The $(3,2)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{23}b_{23})(a_{12}a_{23}b_{22})$
- The $(4,4,2)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{23}b_{22})(a_{13}a_{23}b_{23})$
- The (1)-row $(6,4,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}^2b_{23})(a_{12}a_{13}b_{22})$
- The $(6,4,1)$-row (1)-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{13}b_{22})(a_{23}^2b_{23})$

2.19.4 Monomial $a_{12}a_{13}^2a_{23}b_{11}b_{13}$

- The $(\{1,2,3\},2)$-row $(\hat{1},\hat{3})$-column entry of U is 9, for $(a_{12}a_{23}b_{13})(a_{13}^2b_{11})$
- The $(\hat{1},\hat{3})$-row $(\{1,2,3\},2)$-column entry of U is 9, for $(a_{13}^2b_{11})(a_{12}a_{23}b_{13})$
- The $(2,2,3)$-row $(6,4,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{13}b_{13})(a_{13}a_{23}b_{11})$
- The $(6,4,3)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}a_{23}b_{11})(a_{12}a_{13}b_{13})$
- The (1)-row $(6,4,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}^2b_{13})(a_{12}a_{23}b_{11})$
- The $(6,4,2)$-row (1)-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{23}b_{11})(a_{13}^2b_{13})$
- The $(3,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}a_{23}b_{13})(a_{12}a_{13}b_{11})$
- The $(4,4,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{13}b_{11})(a_{13}a_{23}b_{13})$

2.19.5 Monomial $a_{12}a_{13}a_{23}^2b_{23}b_{33}$

- The $(\{1,2,3\},1)$-row $(\hat{3},\hat{2})$-column entry of U is 9, for $(a_{12}a_{13}b_{23})(a_{23}^2b_{33})$
- The $(\hat{3},\hat{2})$-row $(\{1,2,3\},1)$-column entry of U is 9, for $(a_{23}^2b_{33})(a_{12}a_{13}b_{23})$
- The $(3,3)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{23}b_{23})(a_{13}a_{23}b_{33})$
- The $(4,4,3)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}a_{23}b_{33})(a_{12}a_{23}b_{23})$
- The $(3,2)$-row $(5,5,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{23}b_{23})(a_{12}a_{23}b_{33})$
- The $(5,5,2)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{23}b_{33})(a_{13}a_{23}b_{23})$
- The (1)-row $(5,5,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}^2b_{23})(a_{12}a_{13}b_{33})$
- The $(5,5,1)$-row (1)-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{13}b_{33})(a_{23}^2b_{23})$

2.19.6 Monomial $a_{12}^2 a_{13} a_{23} b_{12} b_{22}$

- The $(\{1,2,3\},3)$-row $(\hat{2},\hat{1})$-column entry of U is 9, for $(a_{13}a_{23}b_{12})(a_{12}^2 b_{22})$
- The $(\hat{2},\hat{1})$-row $(\{1,2,3\},3)$-column entry of U is 9, for $(a_{12}^2 b_{22})(a_{13}a_{23}b_{12})$
- The (1)-row $(5,5,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}^2 b_{12})(a_{13}a_{23}b_{22})$
- The $(5,5,3)$-row (1)-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}a_{23}b_{22})(a_{12}^2 b_{12})$
- The $(2,2,2)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{13}b_{12})(a_{12}a_{23}b_{22})$
- The $(4,4,2)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{23}b_{22})(a_{12}a_{13}b_{12})$
- The $(2,2,1)$-row $(6,4,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{23}b_{12})(a_{12}a_{13}b_{22})$
- The $(6,4,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{13}b_{22})(a_{12}a_{23}b_{12})$

2.20 Monomial type $a_{13}^3 a_{23} b_{11} b_{12}$ with coefficient 24

2.20.1 Monomial $a_{13}^3 a_{23} b_{11} b_{12}$

- The $(\{1,2,3\},3)$-row $(\hat{1},\hat{3})$-column entry of U is 12, for $(a_{13}a_{23}b_{12})(a_{13}^2 b_{11})$
- The $(\hat{1},\hat{3})$-row $(\{1,2,3\},3)$-column entry of U is 12, for $(a_{13}^2 b_{11})(a_{13}a_{23}b_{12})$

2.20.2 Monomial $a_{12} a_{23}^3 b_{13} b_{33}$

- The $(\{1,2,3\},2)$-row $(\hat{3},\hat{2})$-column entry of U is 12, for $(a_{12}a_{23}b_{13})(a_{23}^2 b_{33})$
- The $(\hat{3},\hat{2})$-row $(\{1,2,3\},2)$-column entry of U is 12, for $(a_{23}^2 b_{33})(a_{12}a_{23}b_{13})$

2.20.3 Monomial $a_{12}^3 a_{13} b_{22} b_{23}$

- The $(\{1,2,3\},1)$-row $(\hat{2},\hat{1})$-column entry of U is 12, for $(a_{12}a_{13}b_{23})(a_{12}^2 b_{22})$
- The $(\hat{2},\hat{1})$-row $(\{1,2,3\},1)$-column entry of U is 12, for $(a_{12}^2 b_{22})(a_{12}a_{13}b_{23})$

2.20.4 Monomial $a_{12}^3 a_{23} b_{11} b_{13}$

- The $(\{1,2,3\},2)$-row $(\hat{1},\hat{2})$-column entry of U is 12, for $(a_{12}a_{23}b_{13})(a_{12}^2 b_{11})$
- The $(\hat{1},\hat{2})$-row $(\{1,2,3\},2)$-column entry of U is 12, for $(a_{12}^2 b_{11})(a_{12}a_{23}b_{13})$

2.20.5 Monomial $a_{12} a_{13}^3 b_{23} b_{33}$

- The $(\{1,2,3\},1)$-row $(\hat{3},\hat{1})$-column entry of U is 12, for $(a_{12}a_{13}b_{23})(a_{13}^2 b_{33})$
- The $(\hat{3},\hat{1})$-row $(\{1,2,3\},1)$-column entry of U is 12, for $(a_{13}^2 b_{33})(a_{12}a_{13}b_{23})$

2.20.6 Monomial $a_{13} a_{23}^3 b_{12} b_{22}$

- The $(\{1,2,3\},3)$-row $(\hat{2},\hat{3})$-column entry of U is 12, for $(a_{13}a_{23}b_{12})(a_{23}^2 b_{22})$
- The $(\hat{2},\hat{3})$-row $(\{1,2,3\},3)$-column entry of U is 12, for $(a_{23}^2 b_{22})(a_{13}a_{23}b_{12})$

2.21 Monomial type $a_{11}a_{13}a_{22}a_{23}b_{11}b_{12}$ with coefficient 24

2.21.1 Monomial $a_{11}a_{13}a_{22}a_{23}b_{11}b_{12}$

- The $(4,1)$-row $(6,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{22}b_{12})(a_{13}a_{23}b_{11})$
- The $(6,4,3)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{11})(a_{11}a_{22}b_{12})$
- The $(2,1)$-row $(6,6,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{13}b_{11})(a_{22}a_{23}b_{12})$
- The $(6,6,2)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{22}a_{23}b_{12})(a_{11}a_{13}b_{11})$

2.21.2 Monomial $a_{11}a_{12}a_{23}a_{33}b_{13}b_{33}$

- The $(4,1)$-row $(5,5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{33}b_{13})(a_{12}a_{23}b_{33})$
- The $(5,5,2)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{33})(a_{11}a_{33}b_{13})$
- The $(3,3)$-row $(5,6,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}a_{33}b_{33})(a_{11}a_{12}b_{13})$
- The $(5,6,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{11}a_{12}b_{13})(a_{23}a_{33}b_{33})$

2.21.3 Monomial $a_{12}a_{13}a_{22}a_{33}b_{22}b_{23}$

- The $(3,2)$-row $(5,6,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{22}b_{22})(a_{13}a_{33}b_{23})$
- The $(5,6,3)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}a_{33}b_{23})(a_{12}a_{22}b_{22})$
- The $(4,1)$-row $(6,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{33}b_{23})(a_{12}a_{13}b_{22})$
- The $(6,4,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{22})(a_{22}a_{33}b_{23})$

2.21.4 Monomial $a_{11}a_{12}a_{23}a_{33}b_{11}b_{13}$

- The $(2,1)$-row $(6,6,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{12}b_{11})(a_{23}a_{33}b_{13})$
- The $(6,6,3)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{23}a_{33}b_{13})(a_{11}a_{12}b_{11})$
- The $(4,1)$-row $(6,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{33}b_{13})(a_{12}a_{23}b_{11})$
- The $(6,4,2)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{11})(a_{11}a_{33}b_{13})$

2.21.5 Monomial $a_{12}a_{13}a_{22}a_{33}b_{23}b_{33}$

- The $(3,3)$-row $(5,6,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{33}b_{33})(a_{12}a_{22}b_{23})$
- The $(5,6,2)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{22}b_{23})(a_{13}a_{33}b_{33})$
- The $(4,1)$-row $(5,5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{33}b_{23})(a_{12}a_{13}b_{33})$
- The $(5,5,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{33})(a_{22}a_{33}b_{23})$

2.21.6 Monomial $a_{11}a_{13}a_{22}a_{23}b_{12}b_{22}$

- The $(4,1)$-row $(5,5,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{22}b_{12})(a_{13}a_{23}b_{22})$
- The $(5,5,3)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{22})(a_{11}a_{22}b_{12})$
- The $(2,1)$-row $(6,6,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{23}b_{22})(a_{11}a_{13}b_{12})$
- The $(6,6,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{11}a_{13}b_{12})(a_{22}a_{23}b_{22})$

2.22 Monomial type $a_{13}a_{22}^2a_{23}b_{11}b_{12}$ with coefficient 12

2.22.1 Monomial $a_{13}a_{22}^2a_{23}b_{11}b_{12}$

- The $(6,2)$-row $(6,4,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{22}^2b_{12})(a_{13}a_{23}b_{11})$
- The $(6,4,3)$-row $(6,2)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{23}b_{11})(a_{22}^2b_{12})$

2.22.2 Monomial $a_{11}^2a_{12}a_{23}b_{13}b_{33}$

- The $(5,1)$-row $(5,5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}^2b_{13})(a_{12}a_{23}b_{33})$
- The $(5,5,2)$-row $(5,1)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{23}b_{33})(a_{11}^2b_{13})$

2.22.3 Monomial $a_{12}a_{13}a_{33}^2b_{22}b_{23}$

- The $(6,2)$-row $(6,4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{33}^2b_{23})(a_{12}a_{13}b_{22})$
- The $(6,4,1)$-row $(6,2)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{13}b_{22})(a_{33}^2b_{23})$

2.22.4 Monomial $a_{12}a_{23}a_{33}^2b_{11}b_{13}$

- The $(6,2)$-row $(6,4,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{33}^2b_{13})(a_{12}a_{23}b_{11})$
- The $(6,4,2)$-row $(6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{23}b_{11})(a_{33}^2b_{13})$

2.22.5 Monomial $a_{12}a_{13}a_{22}^2b_{23}b_{33}$

- The $(5,1)$-row $(5,5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{22}^2b_{23})(a_{12}a_{13}b_{33})$
- The $(5,5,1)$-row $(5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{13}b_{33})(a_{22}^2b_{23})$

2.22.6 Monomial $a_{11}^2a_{13}a_{23}b_{12}b_{22}$

- The $(5,1)$-row $(5,5,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}^2b_{12})(a_{13}a_{23}b_{22})$
- The $(5,5,3)$-row $(5,1)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{23}b_{22})(a_{11}^2b_{12})$

2.23 Monomial type $a_{11}a_{12}a_{23}^2b_{11}b_{12}$ with coefficient 24

2.23.1 Monomial $a_{11}a_{12}a_{23}^2b_{11}b_{12}$

- The $(2,1)$-row $(6,5,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{12}b_{11})(a_{23}^2b_{12})$
- The $(6,5,3)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{23}^2b_{12})(a_{11}a_{12}b_{11})$
- The $(4,2,2)$-row $(6,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{23}b_{12})(a_{12}a_{23}b_{11})$
- The $(6,4,2)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{11})(a_{11}a_{23}b_{12})$

2.23.2 Monomial $a_{12}^2a_{13}a_{33}b_{13}b_{33}$

- The $(3,3)$-row $(5,4,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{33}b_{33})(a_{12}^2b_{13})$
- The $(5,4,2)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}^2b_{13})(a_{13}a_{33}b_{33})$
- The $(4,3,1)$-row $(5,5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{33}b_{13})(a_{12}a_{13}b_{33})$
- The $(5,5,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{33})(a_{12}a_{33}b_{13})$

2.23.3 Monomial $a_{13}^2 a_{22} a_{23} b_{22} b_{23}$

- The $(4,3,3)$-row $(5,5,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{22}b_{23})(a_{13}a_{23}b_{22})$
- The $(5,5,3)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{22})(a_{13}a_{22}b_{23})$
- The $(2,1)$-row $(6,5,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{23}b_{22})(a_{13}^2 b_{23})$
- The $(6,5,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}^2 b_{23})(a_{22}a_{23}b_{22})$

2.23.4 Monomial $a_{11} a_{13} a_{23}^2 b_{11} b_{13}$

- The $(4,2,3)$-row $(6,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{23}b_{13})(a_{13}a_{23}b_{11})$
- The $(6,4,3)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{11})(a_{11}a_{23}b_{13})$
- The $(2,1)$-row $(6,5,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{13}b_{11})(a_{23}^2 b_{13})$
- The $(6,5,2)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{23}^2 b_{13})(a_{11}a_{13}b_{11})$

2.23.5 Monomial $a_{12}^2 a_{23} a_{33} b_{23} b_{33}$

- The $(4,3,2)$-row $(5,5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{33}b_{23})(a_{12}a_{23}b_{33})$
- The $(5,5,2)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{33})(a_{12}a_{33}b_{23})$
- The $(3,3)$-row $(5,4,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}a_{33}b_{33})(a_{12}^2 b_{23})$
- The $(5,4,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}^2 b_{23})(a_{23}a_{33}b_{33})$

2.23.6 Monomial $a_{12} a_{13}^2 a_{22} b_{12} b_{22}$

- The $(3,2)$-row $(5,4,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{22}b_{22})(a_{13}^2 b_{12})$
- The $(5,4,3)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}^2 b_{12})(a_{12}a_{22}b_{22})$
- The $(4,2,1)$-row $(6,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{22}b_{12})(a_{12}a_{13}b_{22})$
- The $(6,4,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{22})(a_{13}a_{22}b_{12})$

2.24 Monomial type $a_{12} a_{22} a_{23}^2 b_{11} b_{12}$ with coefficient 24

2.24.1 Monomial $a_{12} a_{22} a_{23}^2 b_{11} b_{12}$

- The $(6,1)$-row $(6,5,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{12}a_{22}b_{11})(a_{23}^2 b_{12})$
- The $(6,5,3)$-row $(6,1)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{23}^2 b_{12})(a_{12}a_{22}b_{11})$
- The $(6,4,2)$-row $(6,6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{23}b_{11})(a_{22}a_{23}b_{12})$
- The $(6,6,2)$-row $(6,4,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{22}a_{23}b_{12})(a_{12}a_{23}b_{11})$

2.24.2 Monomial $a_{11} a_{12}^2 a_{13} b_{13} b_{33}$

- The $(5,2)$-row $(5,4,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{13}b_{33})(a_{12}^2 b_{13})$
- The $(5,4,2)$-row $(5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}^2 b_{13})(a_{11}a_{13}b_{33})$
- The $(5,5,1)$-row $(5,6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{13}b_{33})(a_{11}a_{12}b_{13})$
- The $(5,6,1)$-row $(5,5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{11}a_{12}b_{13})(a_{12}a_{13}b_{33})$

2.24.3 Monomial $a_{13}^2 a_{23} a_{33} b_{22} b_{23}$

- The $(5,5,3)$-row $(5,6,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{23}b_{22})(a_{13}a_{33}b_{23})$
- The $(5,6,3)$-row $(5,5,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{33}b_{23})(a_{13}a_{23}b_{22})$
- The $(6,1)$-row $(6,5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{23}a_{33}b_{22})(a_{13}^2 b_{23})$
- The $(6,5,1)$-row $(6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{13}^2 b_{23})(a_{23}a_{33}b_{22})$

2.24.4 Monomial $a_{13} a_{23}^2 a_{33} b_{11} b_{13}$

- The $(6,4,3)$-row $(6,6,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{23}b_{11})(a_{23}a_{33}b_{13})$
- The $(6,6,3)$-row $(6,4,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{23}a_{33}b_{13})(a_{13}a_{23}b_{11})$
- The $(6,1)$-row $(6,5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{13}a_{33}b_{11})(a_{23}^2 b_{13})$
- The $(6,5,2)$-row $(6,1)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{23}^2 b_{13})(a_{13}a_{33}b_{11})$

2.24.5 Monomial $a_{12}^2 a_{22} a_{23} b_{23} b_{33}$

- The $(5,5,2)$-row $(5,6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{23}b_{33})(a_{12}a_{22}b_{23})$
- The $(5,6,2)$-row $(5,5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{22}b_{23})(a_{12}a_{23}b_{33})$
- The $(5,2)$-row $(5,4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{22}a_{23}b_{33})(a_{12}^2 b_{23})$
- The $(5,4,1)$-row $(5,2)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}^2 b_{23})(a_{22}a_{23}b_{33})$

2.24.6 Monomial $a_{11} a_{12} a_{13}^2 b_{12} b_{22}$

- The $(5,2)$-row $(5,4,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{12}b_{22})(a_{13}^2 b_{12})$
- The $(5,4,3)$-row $(5,2)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}^2 b_{12})(a_{11}a_{12}b_{22})$
- The $(6,4,1)$-row $(6,6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{13}b_{22})(a_{11}a_{13}b_{12})$
- The $(6,6,1)$-row $(6,4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{11}a_{13}b_{12})(a_{12}a_{13}b_{22})$

2.25 Monomial type $a_{13} a_{23}^3 b_{11} b_{12}$ with coefficient 12

2.25.1 Monomial $a_{13} a_{23}^3 b_{11} b_{12}$

- The $(6,4,3)$-row $(6,5,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{23}b_{11})(a_{23}^2 b_{12})$
- The $(6,5,3)$-row $(6,4,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{23}^2 b_{12})(a_{13}a_{23}b_{11})$

2.25.2 Monomial $a_{12}^3 a_{23} b_{13} b_{33}$

- The $(5,4,2)$-row $(5,5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}^2 b_{13})(a_{12}a_{23}b_{33})$
- The $(5,5,2)$-row $(5,4,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{23}b_{33})(a_{12}^2 b_{13})$

2.25.3 Monomial $a_{12} a_{13}^3 b_{22} b_{23}$

- The $(6,4,1)$-row $(6,5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{13}b_{22})(a_{13}^2 b_{23})$
- The $(6,5,1)$-row $(6,4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{13}^2 b_{23})(a_{12}a_{13}b_{22})$

2.25.4 Monomial $a_{12}a_{23}^3b_{11}b_{13}$

- The $(6,4,2)$-row $(6,5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{23}b_{11})(a_{23}^2b_{13})$
- The $(6,5,2)$-row $(6,4,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{23}^2b_{13})(a_{12}a_{23}b_{11})$

2.25.5 Monomial $a_{12}^3a_{13}b_{23}b_{33}$

- The $(5,4,1)$-row $(5,5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}^2b_{23})(a_{12}a_{13}b_{33})$
- The $(5,5,1)$-row $(5,4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{13}b_{33})(a_{12}^2b_{23})$

2.25.6 Monomial $a_{13}^3a_{23}b_{12}b_{22}$

- The $(5,4,3)$-row $(5,5,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}^2b_{12})(a_{13}a_{23}b_{22})$
- The $(5,5,3)$-row $(5,4,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{23}b_{22})(a_{13}^2b_{12})$

2.26 Monomial type $a_{12}a_{13}^2a_{33}b_{11}b_{12}$ with coefficient 24

2.26.1 Monomial $a_{12}a_{13}^2a_{33}b_{11}b_{12}$

- The $(2,2,2)$-row $(6,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{13}b_{12})(a_{13}a_{33}b_{11})$
- The $(6,1)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{33}b_{11})(a_{12}a_{13}b_{12})$
- The $(4,4,1)$-row $(6,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{11})(a_{13}a_{33}b_{12})$
- The $(6,3,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{33}b_{12})(a_{12}a_{13}b_{11})$

2.26.2 Monomial $a_{13}a_{22}a_{23}^2b_{13}b_{33}$

- The $(4,4,3)$-row $(6,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{33})(a_{22}a_{23}b_{13})$
- The $(6,3,3)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{22}a_{23}b_{13})(a_{13}a_{23}b_{33})$
- The $(3,1)$-row $(5,2)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}a_{23}b_{13})(a_{22}a_{23}b_{33})$
- The $(5,2)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{23}b_{33})(a_{13}a_{23}b_{13})$

2.26.3 Monomial $a_{11}a_{12}^2a_{23}b_{22}b_{23}$

- The $(3,3)$-row $(5,2)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{23}b_{23})(a_{11}a_{12}b_{22})$
- The $(5,2)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{12}b_{22})(a_{12}a_{23}b_{23})$
- The $(4,4,2)$-row $(5,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{22})(a_{11}a_{12}b_{23})$
- The $(5,3,2)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{12}b_{23})(a_{12}a_{23}b_{22})$

2.26.4 Monomial $a_{12}^2a_{13}a_{22}b_{11}b_{13}$

- The $(2,2,3)$-row $(6,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{13}b_{13})(a_{12}a_{22}b_{11})$
- The $(6,1)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{22}b_{11})(a_{12}a_{13}b_{13})$
- The $(4,4,1)$-row $(5,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{11})(a_{12}a_{22}b_{13})$
- The $(5,3,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{22}b_{13})(a_{12}a_{13}b_{11})$

2.26.5 Monomial $a_{11}a_{13}^2a_{23}b_{23}b_{33}$

- The $(4,4,3)$-row $(5,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{33})(a_{11}a_{13}b_{23})$
- The $(5,3,3)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{13}b_{23})(a_{13}a_{23}b_{33})$
- The $(3,2)$-row $(5,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{23}b_{23})(a_{11}a_{13}b_{33})$
- The $(5,2)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{13}b_{33})(a_{13}a_{23}b_{23})$

2.26.6 Monomial $a_{12}a_{23}^2a_{33}b_{12}b_{22}$

- The $(4,4,2)$-row $(6,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{22})(a_{23}a_{33}b_{12})$
- The $(6,3,2)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{23}a_{33}b_{12})(a_{12}a_{23}b_{22})$
- The $(2,2,1)$-row $(6,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{23}b_{12})(a_{23}a_{33}b_{22})$
- The $(6,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}a_{33}b_{22})(a_{12}a_{23}b_{12})$

2.27 Monomial type $a_{11}a_{13}a_{23}a_{33}b_{11}b_{12}$ with coefficient 24

2.27.1 Monomial $a_{11}a_{13}a_{23}a_{33}b_{11}b_{12}$

- The $(2,1)$-row $(6,3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{13}b_{11})(a_{23}a_{33}b_{12})$
- The $(4,2,2)$-row $(6,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{23}b_{12})(a_{13}a_{33}b_{11})$
- The $(6,1)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13}a_{33}b_{11})(a_{11}a_{23}b_{12})$
- The $(6,3,2)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{23}a_{33}b_{12})(a_{11}a_{13}b_{11})$

2.27.2 Monomial $a_{12}a_{22}a_{23}a_{33}b_{13}b_{33}$

- The $(3,3)$-row $(5,3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}a_{33}b_{33})(a_{12}a_{22}b_{13})$
- The $(4,3,1)$-row $(5,2)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{33}b_{13})(a_{22}a_{23}b_{33})$
- The $(5,2)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{23}b_{33})(a_{12}a_{33}b_{13})$
- The $(5,3,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{22}b_{13})(a_{23}a_{33}b_{33})$

2.27.3 Monomial $a_{11}a_{12}a_{13}a_{22}b_{22}b_{23}$

- The $(3,2)$-row $(5,3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{22}b_{22})(a_{11}a_{13}b_{23})$
- The $(4,3,3)$-row $(5,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{22}b_{23})(a_{11}a_{12}b_{22})$
- The $(5,2)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{12}b_{22})(a_{13}a_{22}b_{23})$
- The $(5,3,3)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{13}b_{23})(a_{12}a_{22}b_{22})$

2.27.4 Monomial $a_{11}a_{12}a_{22}a_{23}b_{11}b_{13}$

- The $(2,1)$-row $(6,3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{12}b_{11})(a_{22}a_{23}b_{13})$
- The $(4,2,3)$-row $(6,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{23}b_{13})(a_{12}a_{22}b_{11})$
- The $(6,1)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{22}b_{11})(a_{11}a_{23}b_{13})$
- The $(6,3,3)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{22}a_{23}b_{13})(a_{11}a_{12}b_{11})$

2.27.5 Monomial $a_{11}a_{12}a_{13}a_{33}b_{23}b_{33}$

- The $(3,3)$-row $(5,3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{33}b_{33})(a_{11}a_{12}b_{23})$
- The $(4,3,2)$-row $(5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{33}b_{23})(a_{11}a_{13}b_{33})$
- The $(5,2)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{13}b_{33})(a_{12}a_{33}b_{23})$
- The $(5,3,2)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{12}b_{23})(a_{13}a_{33}b_{33})$

2.27.6 Monomial $a_{13}a_{22}a_{23}a_{33}b_{12}b_{22}$

- The $(2,1)$-row $(6,3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{23}b_{22})(a_{13}a_{33}b_{12})$
- The $(4,2,1)$-row $(6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{22}b_{12})(a_{23}a_{33}b_{22})$
- The $(6,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{23}a_{33}b_{22})(a_{13}a_{22}b_{12})$
- The $(6,3,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}a_{33}b_{12})(a_{22}a_{23}b_{22})$

2.28 Monomial type $a_{13}a_{22}a_{23}a_{33}b_{11}b_{12}$ with coefficient 12

2.28.1 Monomial $a_{13}a_{22}a_{23}a_{33}b_{11}b_{12}$

- The $(6,1)$-row $(6,6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{13}a_{33}b_{11})(a_{22}a_{23}b_{12})$
- The $(6,6,2)$-row $(6,1)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{22}a_{23}b_{12})(a_{13}a_{33}b_{11})$

2.28.2 Monomial $a_{11}a_{12}a_{22}a_{23}b_{13}b_{33}$

- The $(5,2)$-row $(5,6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{22}a_{23}b_{33})(a_{11}a_{12}b_{13})$
- The $(5,6,1)$-row $(5,2)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{11}a_{12}b_{13})(a_{22}a_{23}b_{33})$

2.28.3 Monomial $a_{11}a_{12}a_{13}a_{33}b_{22}b_{23}$

- The $(5,2)$-row $(5,6,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{12}b_{22})(a_{13}a_{33}b_{23})$
- The $(5,6,3)$-row $(5,2)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{33}b_{23})(a_{11}a_{12}b_{22})$

2.28.4 Monomial $a_{12}a_{22}a_{23}a_{33}b_{11}b_{13}$

- The $(6,1)$-row $(6,6,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{12}a_{22}b_{11})(a_{23}a_{33}b_{13})$
- The $(6,6,3)$-row $(6,1)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{23}a_{33}b_{13})(a_{12}a_{22}b_{11})$

2.28.5 Monomial $a_{11}a_{12}a_{13}a_{22}b_{23}b_{33}$

- The $(5,2)$-row $(5,6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{13}b_{33})(a_{12}a_{22}b_{23})$
- The $(5,6,2)$-row $(5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{22}b_{23})(a_{11}a_{13}b_{33})$

2.28.6 Monomial $a_{11}a_{13}a_{23}a_{33}b_{12}b_{22}$

- The $(6,1)$-row $(6,6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{23}a_{33}b_{22})(a_{11}a_{13}b_{12})$
- The $(6,6,1)$-row $(6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{11}a_{13}b_{12})(a_{23}a_{33}b_{22})$

2.29 Monomial type $a_{12}a_{23}^2a_{33}b_{11}b_{12}$ with coefficient 12

2.29.1 Monomial $a_{12}a_{23}^2a_{33}b_{11}b_{12}$

- The $(6,3,2)$-row $(6,4,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{23}a_{33}b_{12})(a_{12}a_{23}b_{11})$
- The $(6,4,2)$-row $(6,3,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{23}b_{11})(a_{23}a_{33}b_{12})$

2.29.2 Monomial $a_{12}^2a_{13}a_{22}b_{13}b_{33}$

- The $(5,3,1)$-row $(5,5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{22}b_{13})(a_{12}a_{13}b_{33})$
- The $(5,5,1)$-row $(5,3,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{13}b_{33})(a_{12}a_{22}b_{13})$

2.29.3 Monomial $a_{11}a_{13}^2a_{23}b_{22}b_{23}$

- The $(5,3,3)$-row $(5,5,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{13}b_{23})(a_{13}a_{23}b_{22})$
- The $(5,5,3)$-row $(5,3,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{23}b_{22})(a_{11}a_{13}b_{23})$

2.29.4 Monomial $a_{13}a_{22}a_{23}^2b_{11}b_{13}$

- The $(6,3,3)$-row $(6,4,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{22}a_{23}b_{13})(a_{13}a_{23}b_{11})$
- The $(6,4,3)$-row $(6,3,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{23}b_{11})(a_{22}a_{23}b_{13})$

2.29.5 Monomial $a_{11}a_{12}^2a_{23}b_{23}b_{33}$

- The $(5,3,2)$-row $(5,5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{12}b_{23})(a_{12}a_{23}b_{33})$
- The $(5,5,2)$-row $(5,3,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{23}b_{33})(a_{11}a_{12}b_{23})$

2.29.6 Monomial $a_{12}a_{13}^2a_{33}b_{12}b_{22}$

- The $(6,3,1)$-row $(6,4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{13}a_{33}b_{12})(a_{12}a_{13}b_{22})$
- The $(6,4,1)$-row $(6,3,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{13}b_{22})(a_{13}a_{33}b_{12})$

2.30 Monomial type $a_{13}a_{23}a_{33}^2b_{11}b_{12}$ with coefficient 12

2.30.1 Monomial $a_{13}a_{23}a_{33}^2b_{11}b_{12}$

- The $(6,1)$-row $(6,3,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{13}a_{33}b_{11})(a_{23}a_{33}b_{12})$
- The $(6,3,2)$-row $(6,1)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{23}a_{33}b_{12})(a_{13}a_{33}b_{11})$

2.30.2 Monomial $a_{12}a_{22}^2a_{23}b_{13}b_{33}$

- The $(5,2)$-row $(5,3,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{22}a_{23}b_{33})(a_{12}a_{22}b_{13})$
- The $(5,3,1)$-row $(5,2)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{22}b_{13})(a_{22}a_{23}b_{33})$

2.30.3 Monomial $a_{11}^2a_{12}a_{13}b_{22}b_{23}$

- The $(5,2)$-row $(5,3,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{12}b_{22})(a_{11}a_{13}b_{23})$
- The $(5,3,3)$-row $(5,2)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{13}b_{23})(a_{11}a_{12}b_{22})$

2.30.4 Monomial $a_{12}a_{22}^2a_{23}b_{11}b_{13}$

- The $(6,1)$-row $(6,3,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{12}a_{22}b_{11})(a_{22}a_{23}b_{13})$
- The $(6,3,3)$-row $(6,1)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{22}a_{23}b_{13})(a_{12}a_{22}b_{11})$

2.30.5 Monomial $a_{11}^2a_{12}a_{13}b_{23}b_{33}$

- The $(5,2)$-row $(5,3,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{13}b_{33})(a_{11}a_{12}b_{23})$
- The $(5,3,2)$-row $(5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{12}b_{23})(a_{11}a_{13}b_{33})$

2.30.6 Monomial $a_{13}a_{23}a_{33}^2b_{12}b_{22}$

- The $(6,1)$-row $(6,3,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{23}a_{33}b_{22})(a_{13}a_{33}b_{12})$
- The $(6,3,1)$-row $(6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{13}a_{33}b_{12})(a_{23}a_{33}b_{22})$

2.31 Monomial type $a_{11}^4b_{12}^2$ with coefficient 6

2.31.1 Monomial $a_{11}^4b_{12}^2$

- The $(5,1)$-row $(5,1)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}^2b_{12})(a_{11}^2b_{12})$

2.31.2 Monomial $a_{33}^4b_{13}^2$

- The $(6,2)$-row $(6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{33}^2b_{13})(a_{33}^2b_{13})$

2.31.3 Monomial $a_{22}^4b_{23}^2$

- The $(5,1)$-row $(5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{22}^2b_{23})(a_{22}^2b_{23})$

2.31.4 Monomial $a_{11}^4b_{13}^2$

- The $(5,1)$-row $(5,1)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}^2b_{13})(a_{11}^2b_{13})$

2.31.5 Monomial $a_{33}^4b_{23}^2$

- The $(6,2)$-row $(6,2)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{33}^2b_{23})(a_{33}^2b_{23})$

2.31.6 Monomial $a_{22}^4b_{12}^2$

- The $(6,2)$-row $(6,2)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{22}^2b_{12})(a_{22}^2b_{12})$

2.32 Monomial type $a_{11}^2a_{12}^2b_{12}^2$ with coefficient 54

2.32.1 Monomial $a_{11}^2a_{12}^2b_{12}^2$

- The $(1,2)$-row $(1,2)$-column entry of U is 36, for $(a_{11}a_{12}b_{12})(a_{11}a_{12}b_{12})$
- The (1)-row $(5,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}^2b_{12})(a_{11}^2b_{12})$
- The $(5,1)$-row (1)-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}^2b_{12})(a_{12}^2b_{12})$

2.32.2 Monomial $a_{13}^2a_{33}^2b_{13}^2$

- The $(3,1)$-row $(3,1)$-column entry of U is 36, for $(a_{13}a_{33}b_{13})(a_{13}a_{33}b_{13})$
- The (1)-row $(6,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}^2b_{13})(a_{33}^2b_{13})$
- The $(6,2)$-row (1)-column entry of the $(1,3)$-copy of R is 9, for $(a_{33}^2b_{13})(a_{13}^2b_{13})$

2.32.3 Monomial $a_{22}^2 a_{23}^2 b_{23}^2$

- The $(2,3)$-row $(2,3)$-column entry of U is 36, for $(a_{22}a_{23}b_{23})(a_{22}a_{23}b_{23})$
- The (1)-row $(5,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}^2 b_{23})(a_{22}^2 b_{23})$
- The $(5,1)$-row (1)-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}^2 b_{23})(a_{23}^2 b_{23})$

2.32.4 Monomial $a_{11}^2 a_{13}^2 b_{13}^2$

- The $(1,3)$-row $(1,3)$-column entry of U is 36, for $(a_{11}a_{13}b_{13})(a_{11}a_{13}b_{13})$
- The (1)-row $(5,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}^2 b_{13})(a_{11}^2 b_{13})$
- The $(5,1)$-row (1)-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}^2 b_{13})(a_{13}^2 b_{13})$

2.32.5 Monomial $a_{23}^2 a_{33}^2 b_{23}^2$

- The $(3,2)$-row $(3,2)$-column entry of U is 36, for $(a_{23}a_{33}b_{23})(a_{23}a_{33}b_{23})$
- The (1)-row $(6,2)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}^2 b_{23})(a_{33}^2 b_{23})$
- The $(6,2)$-row (1)-column entry of the $(2,3)$-copy of R is 9, for $(a_{33}^2 b_{23})(a_{23}^2 b_{23})$

2.32.6 Monomial $a_{12}^2 a_{22}^2 b_{12}^2$

- The $(2,1)$-row $(2,1)$-column entry of U is 36, for $(a_{12}a_{22}b_{12})(a_{12}a_{22}b_{12})$
- The (1)-row $(6,2)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}^2 b_{12})(a_{22}^2 b_{12})$
- The $(6,2)$-row (1)-column entry of the $(1,2)$-copy of R is 9, for $(a_{22}^2 b_{12})(a_{12}^2 b_{12})$

2.33 Monomial type $a_{12}^4 b_{12}^2$ with coefficient 30

2.33.1 Monomial $a_{12}^4 b_{12}^2$

- The (1)-row (1)-column entry of the $(1,2)$-copy of R is 30, for $(a_{12}^2 b_{12})(a_{12}^2 b_{12})$

2.33.2 Monomial $a_{13}^4 b_{13}^2$

- The (1)-row (1)-column entry of the $(1,3)$-copy of R is 30, for $(a_{13}^2 b_{13})(a_{13}^2 b_{13})$

2.33.3 Monomial $a_{23}^4 b_{23}^2$

- The (1)-row (1)-column entry of the $(2,3)$-copy of R is 30, for $(a_{23}^2 b_{23})(a_{23}^2 b_{23})$

2.34 Monomial type $a_{11}^2 a_{13}^2 b_{12}^2$ with coefficient 18

2.34.1 Monomial $a_{11}^2 a_{13}^2 b_{12}^2$

- The $(5,1)$-row $(5,4,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}^2 b_{12})(a_{13}^2 b_{12})$
- The $(5,4,3)$-row $(5,1)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}^2 b_{12})(a_{11}^2 b_{12})$
- The $(6,6,1)$-row $(6,6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{11}a_{13}b_{12})(a_{11}a_{13}b_{12})$

2.34.2 Monomial $a_{23}^2 a_{33}^2 b_{13}^2$

- The $(6,6,3)$-row $(6,6,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{23}a_{33}b_{13})(a_{23}a_{33}b_{13})$
- The $(6,2)$-row $(6,5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{33}^2 b_{13})(a_{23}^2 b_{13})$
- The $(6,5,2)$-row $(6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{23}^2 b_{13})(a_{33}^2 b_{13})$

2.34.3 Monomial $a_{12}^2 a_{22}^2 b_{23}^2$

- The $(5,6,2)$-row $(5,6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{22}b_{23})(a_{12}a_{22}b_{23})$
- The $(5,1)$-row $(5,4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{22}^2 b_{23})(a_{12}^2 b_{23})$
- The $(5,4,1)$-row $(5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}^2 b_{23})(a_{22}^2 b_{23})$

2.34.4 Monomial $a_{11}^2 a_{12}^2 b_{13}^2$

- The $(5,1)$-row $(5,4,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}^2 b_{13})(a_{12}^2 b_{13})$
- The $(5,4,2)$-row $(5,1)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}^2 b_{13})(a_{11}^2 b_{13})$
- The $(5,6,1)$-row $(5,6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{11}a_{12}b_{13})(a_{11}a_{12}b_{13})$

2.34.5 Monomial $a_{13}^2 a_{33}^2 b_{23}^2$

- The $(5,6,3)$-row $(5,6,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{33}b_{23})(a_{13}a_{33}b_{23})$
- The $(6,2)$-row $(6,5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{33}^2 b_{23})(a_{13}^2 b_{23})$
- The $(6,5,1)$-row $(6,2)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{13}^2 b_{23})(a_{33}^2 b_{23})$

2.34.6 Monomial $a_{22}^2 a_{23}^2 b_{12}^2$

- The $(6,2)$-row $(6,5,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{22}^2 b_{12})(a_{23}^2 b_{12})$
- The $(6,5,3)$-row $(6,2)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{23}^2 b_{12})(a_{22}^2 b_{12})$
- The $(6,6,2)$-row $(6,6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{22}a_{23}b_{12})(a_{22}a_{23}b_{12})$

2.35 Monomial type $a_{12}^2 a_{13}^2 b_{12}^2$ with coefficient 36

2.35.1 Monomial $a_{12}^2 a_{13}^2 b_{12}^2$

- The (1)-row $(5,4,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}^2 b_{12})(a_{13}^2 b_{12})$
- The $(5,4,3)$-row (1)-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}^2 b_{12})(a_{12}^2 b_{12})$
- The $(2,2,2)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 18, for $(a_{12}a_{13}b_{12})(a_{12}a_{13}b_{12})$

2.35.2 Monomial $a_{13}^2 a_{23}^2 b_{13}^2$

- The (1)-row $(6,5,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}^2 b_{13})(a_{23}^2 b_{13})$
- The $(6,5,2)$-row (1)-column entry of the $(1,3)$-copy of R is 9, for $(a_{23}^2 b_{13})(a_{13}^2 b_{13})$
- The $(3,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 18, for $(a_{13}a_{23}b_{13})(a_{13}a_{23}b_{13})$

2.35.3 Monomial $a_{12}^2 a_{23}^2 b_{23}^2$

- The $(3,3)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 18, for $(a_{12}a_{23}b_{23})(a_{12}a_{23}b_{23})$
- The (1)-row $(5,4,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}^2 b_{23})(a_{12}^2 b_{23})$
- The $(5,4,1)$-row (1)-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}^2 b_{23})(a_{23}^2 b_{23})$

2.35.4 Monomial $a_{12}^2 a_{13}^2 b_{13}^2$

- The $(2,2,3)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 18, for $(a_{12}a_{13}b_{13})(a_{12}a_{13}b_{13})$
- The (1)-row $(5,4,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}^2 b_{13})(a_{12}^2 b_{13})$
- The $(5,4,2)$-row (1)-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}^2 b_{13})(a_{13}^2 b_{13})$

2.35.5 Monomial $a_{13}^2 a_{23}^2 b_{23}^2$

- The $(3,2)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 18, for $(a_{13}a_{23}b_{23})(a_{13}a_{23}b_{23})$
- The (1)-row $(6,5,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}^2 b_{23})(a_{13}^2 b_{23})$
- The $(6,5,1)$-row (1)-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}^2 b_{23})(a_{23}^2 b_{23})$

2.35.6 Monomial $a_{12}^2 a_{23}^2 b_{12}^2$

- The (1)-row $(6,5,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}^2 b_{12})(a_{23}^2 b_{12})$
- The $(6,5,3)$-row (1)-column entry of the $(1,2)$-copy of R is 9, for $(a_{23}^2 b_{12})(a_{12}^2 b_{12})$
- The $(2,2,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 18, for $(a_{12}a_{23}b_{12})(a_{12}a_{23}b_{12})$

2.36 Monomial type $a_{13}^4 b_{12}^2$ with coefficient 6

2.36.1 Monomial $a_{13}^4 b_{12}^2$

- The $(5,4,3)$-row $(5,4,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}^2 b_{12})(a_{13}^2 b_{12})$

2.36.2 Monomial $a_{23}^4 b_{13}^2$

- The $(6,5,2)$-row $(6,5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{23}^2 b_{13})(a_{23}^2 b_{13})$

2.36.3 Monomial $a_{12}^4 b_{23}^2$

- The $(5,4,1)$-row $(5,4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}^2 b_{23})(a_{12}^2 b_{23})$

2.36.4 Monomial $a_{12}^4 b_{13}^2$

- The $(5,4,2)$-row $(5,4,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}^2 b_{13})(a_{12}^2 b_{13})$

2.36.5 Monomial $a_{13}^4 b_{23}^2$

- The $(6,5,1)$-row $(6,5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{13}^2 b_{23})(a_{13}^2 b_{23})$

2.36.6 Monomial $a_{23}^4 b_{12}^2$

- The $(6,5,3)$-row $(6,5,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{23}^2 b_{12})(a_{23}^2 b_{12})$

2.37 Monomial type $a_{11}^3 a_{22} b_{12}^2$ with coefficient 6

2.37.1 Monomial $a_{11}^3 a_{22} b_{12}^2$

- The $(4,1)$-row $(5,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{22}b_{12})(a_{11}^2 b_{12})$
- The $(5,1)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}^2 b_{12})(a_{11}a_{22}b_{12})$

2.37.2 Monomial $a_{11}a_{33}^3b_{13}^2$

- The $(4,1)$-row $(6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{33}b_{13})(a_{33}^2b_{13})$
- The $(6,2)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{33}^2b_{13})(a_{11}a_{33}b_{13})$

2.37.3 Monomial $a_{22}^3a_{33}b_{23}^2$

- The $(4,1)$-row $(5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{33}b_{23})(a_{22}^2b_{23})$
- The $(5,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}^2b_{23})(a_{22}a_{33}b_{23})$

2.37.4 Monomial $a_{11}^3a_{33}b_{13}^2$

- The $(4,1)$-row $(5,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{33}b_{13})(a_{11}^2b_{13})$
- The $(5,1)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}^2b_{13})(a_{11}a_{33}b_{13})$

2.37.5 Monomial $a_{22}a_{33}^3b_{23}^2$

- The $(4,1)$-row $(6,2)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{33}b_{23})(a_{33}^2b_{23})$
- The $(6,2)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{33}^2b_{23})(a_{22}a_{33}b_{23})$

2.37.6 Monomial $a_{11}a_{22}^3b_{12}^2$

- The $(4,1)$-row $(6,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{22}b_{12})(a_{22}^2b_{12})$
- The $(6,2)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{22}^2b_{12})(a_{11}a_{22}b_{12})$

2.38 Monomial type $a_{11}a_{12}^2a_{22}b_{12}^2$ with coefficient 72

2.38.1 Monomial $a_{11}a_{12}^2a_{22}b_{12}^2$

- The $(1,2)$-row $(2,1)$-column entry of U is 24, for $(a_{11}a_{12}b_{12})(a_{12}a_{22}b_{12})$
- The $(2,1)$-row $(1,2)$-column entry of U is 24, for $(a_{12}a_{22}b_{12})(a_{11}a_{12}b_{12})$
- The (1)-row $(4,1)$-column entry of the $(1,2)$-copy of R is 12, for $(a_{12}^2b_{12})(a_{11}a_{22}b_{12})$
- The $(4,1)$-row (1)-column entry of the $(1,2)$-copy of R is 12, for $(a_{11}a_{22}b_{12})(a_{12}^2b_{12})$

2.38.2 Monomial $a_{11}a_{13}^2a_{33}b_{13}^2$

- The $(1,3)$-row $(3,1)$-column entry of U is 24, for $(a_{11}a_{13}b_{13})(a_{13}a_{33}b_{13})$
- The $(3,1)$-row $(1,3)$-column entry of U is 24, for $(a_{13}a_{33}b_{13})(a_{11}a_{13}b_{13})$
- The (1)-row $(4,1)$-column entry of the $(1,3)$-copy of R is 12, for $(a_{13}^2b_{13})(a_{11}a_{33}b_{13})$
- The $(4,1)$-row (1)-column entry of the $(1,3)$-copy of R is 12, for $(a_{11}a_{33}b_{13})(a_{13}^2b_{13})$

2.38.3 Monomial $a_{22}a_{23}^2a_{33}b_{23}^2$

- The $(2,3)$-row $(3,2)$-column entry of U is 24, for $(a_{22}a_{23}b_{23})(a_{23}a_{33}b_{23})$
- The $(3,2)$-row $(2,3)$-column entry of U is 24, for $(a_{23}a_{33}b_{23})(a_{22}a_{23}b_{23})$
- The (1)-row $(4,1)$-column entry of the $(2,3)$-copy of R is 12, for $(a_{23}^2b_{23})(a_{22}a_{33}b_{23})$
- The $(4,1)$-row (1)-column entry of the $(2,3)$-copy of R is 12, for $(a_{22}a_{33}b_{23})(a_{23}^2b_{23})$

2.39 Monomial type $a_{11}a_{13}^2a_{22}b_{12}^2$ with coefficient 12

2.39.1 Monomial $a_{11}a_{13}^2a_{22}b_{12}^2$

- The $(4,1)$-row $(5,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{22}b_{12})(a_{13}^2b_{12})$
- The $(5,4,3)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}^2b_{12})(a_{11}a_{22}b_{12})$
- The $(4,2,1)$-row $(6,6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{22}b_{12})(a_{11}a_{13}b_{12})$
- The $(6,6,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{11}a_{13}b_{12})(a_{13}a_{22}b_{12})$

2.39.2 Monomial $a_{11}a_{23}^2a_{33}b_{13}^2$

- The $(4,2,3)$-row $(6,6,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{23}b_{13})(a_{23}a_{33}b_{13})$
- The $(6,6,3)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{23}a_{33}b_{13})(a_{11}a_{23}b_{13})$
- The $(4,1)$-row $(6,5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{33}b_{13})(a_{23}^2b_{13})$
- The $(6,5,2)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{23}^2b_{13})(a_{11}a_{33}b_{13})$

2.39.3 Monomial $a_{12}^2a_{22}a_{33}b_{23}^2$

- The $(4,3,2)$-row $(5,6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{33}b_{23})(a_{12}a_{22}b_{23})$
- The $(5,6,2)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{22}b_{23})(a_{12}a_{33}b_{23})$
- The $(4,1)$-row $(5,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{33}b_{23})(a_{12}^2b_{23})$
- The $(5,4,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}^2b_{23})(a_{22}a_{33}b_{23})$

2.39.4 Monomial $a_{11}a_{12}^2a_{33}b_{13}^2$

- The $(4,1)$-row $(5,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{33}b_{13})(a_{12}^2b_{13})$
- The $(5,4,2)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}^2b_{13})(a_{11}a_{33}b_{13})$
- The $(4,3,1)$-row $(5,6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{33}b_{13})(a_{11}a_{12}b_{13})$
- The $(5,6,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{11}a_{12}b_{13})(a_{12}a_{33}b_{13})$

2.39.5 Monomial $a_{13}^2a_{22}a_{33}b_{23}^2$

- The $(4,3,3)$-row $(5,6,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{22}b_{23})(a_{13}a_{33}b_{23})$
- The $(5,6,3)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{33}b_{23})(a_{13}a_{22}b_{23})$
- The $(4,1)$-row $(6,5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{33}b_{23})(a_{13}^2b_{23})$
- The $(6,5,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}^2b_{23})(a_{22}a_{33}b_{23})$

2.39.6 Monomial $a_{11}a_{22}a_{23}^2b_{12}^2$

- The $(4,1)$-row $(6,5,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{22}b_{12})(a_{23}^2b_{12})$
- The $(6,5,3)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{23}^2b_{12})(a_{11}a_{22}b_{12})$
- The $(4,2,2)$-row $(6,6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{23}b_{12})(a_{22}a_{23}b_{12})$
- The $(6,6,2)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{22}a_{23}b_{12})(a_{11}a_{23}b_{12})$

2.40 Monomial type $a_{11}^2 a_{22}^2 b_{12}^2$ with coefficient 6

2.40.1 Monomial $a_{11}^2 a_{22}^2 b_{12}^2$

- The $(4,1)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{22}b_{12})(a_{11}a_{22}b_{12})$

2.40.2 Monomial $a_{11}^2 a_{33}^2 b_{13}^2$

- The $(4,1)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{33}b_{13})(a_{11}a_{33}b_{13})$

2.40.3 Monomial $a_{22}^2 a_{33}^2 b_{23}^2$

- The $(4,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{22}a_{33}b_{23})(a_{22}a_{33}b_{23})$

2.41 Monomial type $a_{13}^2 a_{22}^2 b_{12}^2$ with coefficient 6

2.41.1 Monomial $a_{13}^2 a_{22}^2 b_{12}^2$

- The $(4,2,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{13}a_{22}b_{12})(a_{13}a_{22}b_{12})$

2.41.2 Monomial $a_{11}^2 a_{23}^2 b_{13}^2$

- The $(4,2,3)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{23}b_{13})(a_{11}a_{23}b_{13})$

2.41.3 Monomial $a_{12}^2 a_{33}^2 b_{23}^2$

- The $(4,3,2)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{33}b_{23})(a_{12}a_{33}b_{23})$

2.41.4 Monomial $a_{12}^2 a_{33}^2 b_{13}^2$

- The $(4,3,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{33}b_{13})(a_{12}a_{33}b_{13})$

2.41.5 Monomial $a_{13}^2 a_{22}^2 b_{23}^2$

- The $(4,3,3)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{22}b_{23})(a_{13}a_{22}b_{23})$

2.41.6 Monomial $a_{11}^2 a_{23}^2 b_{12}^2$

- The $(4,2,2)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{23}b_{12})(a_{11}a_{23}b_{12})$

2.42 Monomial type $a_{11}a_{12}a_{13}a_{23}b_{12}^2$ with coefficient 72

2.42.1 Monomial $a_{11}a_{12}a_{13}a_{23}b_{12}^2$

- The $(\{1,2,3\},3)$-row $(1,2)$-column entry of U is 18, for $(a_{13}a_{23}b_{12})(a_{11}a_{12}b_{12})$
- The $(1,2)$-row $(\{1,2,3\},3)$-column entry of U is 18, for $(a_{11}a_{12}b_{12})(a_{13}a_{23}b_{12})$
- The $(2,2,2)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{13}b_{12})(a_{11}a_{23}b_{12})$
- The $(4,2,2)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{23}b_{12})(a_{12}a_{13}b_{12})$
- The $(2,2,1)$-row $(6,6,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{23}b_{12})(a_{11}a_{13}b_{12})$
- The $(6,6,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{11}a_{13}b_{12})(a_{12}a_{23}b_{12})$

2.42.2 Monomial $a_{12}a_{13}a_{23}a_{33}b_{13}^2$

- The $(\{1,2,3\},2)$-row $(3,1)$-column entry of U is 18, for $(a_{12}a_{23}b_{13})(a_{13}a_{33}b_{13})$
- The $(3,1)$-row $(\{1,2,3\},2)$-column entry of U is 18, for $(a_{13}a_{33}b_{13})(a_{12}a_{23}b_{13})$
- The $(2,2,3)$-row $(6,6,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{13}b_{13})(a_{23}a_{33}b_{13})$
- The $(6,6,3)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{23}a_{33}b_{13})(a_{12}a_{13}b_{13})$
- The $(3,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}a_{23}b_{13})(a_{12}a_{33}b_{13})$
- The $(4,3,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{33}b_{13})(a_{13}a_{23}b_{13})$

2.42.3 Monomial $a_{12}a_{13}a_{22}a_{23}b_{23}^2$

- The $(\{1,2,3\},1)$-row $(2,3)$-column entry of U is 18, for $(a_{12}a_{13}b_{23})(a_{22}a_{23}b_{23})$
- The $(2,3)$-row $(\{1,2,3\},1)$-column entry of U is 18, for $(a_{22}a_{23}b_{23})(a_{12}a_{13}b_{23})$
- The $(3,3)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{23}b_{23})(a_{13}a_{22}b_{23})$
- The $(4,3,3)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}a_{22}b_{23})(a_{12}a_{23}b_{23})$
- The $(3,2)$-row $(5,6,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{23}b_{23})(a_{12}a_{22}b_{23})$
- The $(5,6,2)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{22}b_{23})(a_{13}a_{23}b_{23})$

2.42.4 Monomial $a_{11}a_{12}a_{13}a_{23}b_{13}^2$

- The $(\{1,2,3\},2)$-row $(1,3)$-column entry of U is 18, for $(a_{12}a_{23}b_{13})(a_{11}a_{13}b_{13})$
- The $(1,3)$-row $(\{1,2,3\},2)$-column entry of U is 18, for $(a_{11}a_{13}b_{13})(a_{12}a_{23}b_{13})$
- The $(2,2,3)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{13}b_{13})(a_{11}a_{23}b_{13})$
- The $(4,2,3)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{23}b_{13})(a_{12}a_{13}b_{13})$
- The $(3,1)$-row $(5,6,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}a_{23}b_{13})(a_{11}a_{12}b_{13})$
- The $(5,6,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{11}a_{12}b_{13})(a_{13}a_{23}b_{13})$

2.42.5 Monomial $a_{12}a_{13}a_{23}a_{33}b_{23}^2$

- The $(\{1,2,3\},1)$-row $(3,2)$-column entry of U is 18, for $(a_{12}a_{13}b_{23})(a_{23}a_{33}b_{23})$
- The $(3,2)$-row $(\{1,2,3\},1)$-column entry of U is 18, for $(a_{23}a_{33}b_{23})(a_{12}a_{13}b_{23})$
- The $(3,3)$-row $(5,6,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{23}b_{23})(a_{13}a_{33}b_{23})$
- The $(5,6,3)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}a_{33}b_{23})(a_{12}a_{23}b_{23})$
- The $(3,2)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{23}b_{23})(a_{12}a_{33}b_{23})$
- The $(4,3,2)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{33}b_{23})(a_{13}a_{23}b_{23})$

2.42.6 Monomial $a_{12}a_{13}a_{22}a_{23}b_{12}^2$

- The $(\{1,2,3\},3)$-row $(2,1)$-column entry of U is 18, for $(a_{13}a_{23}b_{12})(a_{12}a_{22}b_{12})$
- The $(2,1)$-row $(\{1,2,3\},3)$-column entry of U is 18, for $(a_{12}a_{22}b_{12})(a_{13}a_{23}b_{12})$
- The $(2,2,2)$-row $(6,6,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{13}b_{12})(a_{22}a_{23}b_{12})$
- The $(6,6,2)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{22}a_{23}b_{12})(a_{12}a_{13}b_{12})$
- The $(2,2,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{23}b_{12})(a_{13}a_{22}b_{12})$
- The $(4,2,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}a_{22}b_{12})(a_{12}a_{23}b_{12})$

2.43 Monomial type $a_{13}^2a_{23}^2b_{12}^2$ with coefficient 24

2.43.1 Monomial $a_{13}^2a_{23}^2b_{12}^2$

- The $(\{1,2,3\},3)$-row $(\{1,2,3\},3)$-column entry of U is 24, for $(a_{13}a_{23}b_{12})(a_{13}a_{23}b_{12})$

2.43.2 Monomial $a_{12}^2a_{23}^2b_{13}^2$

- The $(\{1,2,3\},2)$-row $(\{1,2,3\},2)$-column entry of U is 24, for $(a_{12}a_{23}b_{13})(a_{12}a_{23}b_{13})$

2.43.3 Monomial $a_{12}^2a_{13}^2b_{23}^2$

- The $(\{1,2,3\},1)$-row $(\{1,2,3\},1)$-column entry of U is 24, for $(a_{12}a_{13}b_{23})(a_{12}a_{13}b_{23})$

2.44 Monomial type $a_{11}a_{13}^2a_{33}b_{12}^2$ with coefficient 12

2.44.1 Monomial $a_{11}a_{13}^2a_{33}b_{12}^2$

- The $(6,3,1)$-row $(6,6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{13}a_{33}b_{12})(a_{11}a_{13}b_{12})$
- The $(6,6,1)$-row $(6,3,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{11}a_{13}b_{12})(a_{13}a_{33}b_{12})$

2.44.2 Monomial $a_{22}a_{23}^2a_{33}b_{13}^2$

- The $(6,3,3)$-row $(6,6,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{22}a_{23}b_{13})(a_{23}a_{33}b_{13})$
- The $(6,6,3)$-row $(6,3,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{23}a_{33}b_{13})(a_{22}a_{23}b_{13})$

2.44.3 Monomial $a_{11}a_{12}^2a_{22}b_{23}^2$

- The $(5,3,2)$-row $(5,6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{12}b_{23})(a_{12}a_{22}b_{23})$
- The $(5,6,2)$-row $(5,3,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{22}b_{23})(a_{11}a_{12}b_{23})$

2.44.4 Monomial $a_{11}a_{12}^2a_{22}b_{13}^2$

- The $(5,3,1)$-row $(5,6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{22}b_{13})(a_{11}a_{12}b_{13})$
- The $(5,6,1)$-row $(5,3,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{11}a_{12}b_{13})(a_{12}a_{22}b_{13})$

2.44.5 Monomial $a_{11}a_{13}^2a_{33}b_{23}^2$

- The $(5,3,3)$-row $(5,6,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{13}b_{23})(a_{13}a_{33}b_{23})$
- The $(5,6,3)$-row $(5,3,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{33}b_{23})(a_{11}a_{13}b_{23})$

2.44.6 Monomial $a_{22}a_{23}^2a_{33}b_{12}^2$

- The $(6,3,2)$-row $(6,6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{23}a_{33}b_{12})(a_{22}a_{23}b_{12})$
- The $(6,6,2)$-row $(6,3,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{22}a_{23}b_{12})(a_{23}a_{33}b_{12})$

2.45 Monomial type $a_{13}^2a_{22}a_{33}b_{12}^2$ with coefficient 6

2.45.1 Monomial $a_{13}^2a_{22}a_{33}b_{12}^2$

- The $(4,2,1)$-row $(6,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{22}b_{12})(a_{13}a_{33}b_{12})$
- The $(6,3,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{33}b_{12})(a_{13}a_{22}b_{12})$

2.45.2 Monomial $a_{11}a_{22}a_{23}^2b_{13}^2$

- The $(4,2,3)$-row $(6,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{23}b_{13})(a_{22}a_{23}b_{13})$
- The $(6,3,3)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{22}a_{23}b_{13})(a_{11}a_{23}b_{13})$

2.45.3 Monomial $a_{11}a_{12}^2a_{33}b_{23}^2$

- The $(4,3,2)$-row $(5,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{33}b_{23})(a_{11}a_{12}b_{23})$
- The $(5,3,2)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{12}b_{23})(a_{12}a_{33}b_{23})$

2.45.4 Monomial $a_{12}^2a_{22}a_{33}b_{13}^2$

- The $(4,3,1)$-row $(5,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{33}b_{13})(a_{12}a_{22}b_{13})$
- The $(5,3,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{22}b_{13})(a_{12}a_{33}b_{13})$

2.45.5 Monomial $a_{11}a_{13}^2a_{22}b_{23}^2$

- The $(4,3,3)$-row $(5,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{22}b_{23})(a_{11}a_{13}b_{23})$
- The $(5,3,3)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{13}b_{23})(a_{13}a_{22}b_{23})$

2.45.6 Monomial $a_{11}a_{23}^2a_{33}b_{12}^2$

- The $(4,2,2)$-row $(6,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{23}b_{12})(a_{23}a_{33}b_{12})$
- The $(6,3,2)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{23}a_{33}b_{12})(a_{11}a_{23}b_{12})$

2.46 Monomial type $a_{12}a_{13}a_{23}a_{33}b_{12}^2$ with coefficient 36

2.46.1 Monomial $a_{12}a_{13}a_{23}a_{33}b_{12}^2$

- The $(2,2,2)$-row $(6,3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{13}b_{12})(a_{23}a_{33}b_{12})$
- The $(6,3,2)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{23}a_{33}b_{12})(a_{12}a_{13}b_{12})$
- The $(2,2,1)$-row $(6,3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{23}b_{12})(a_{13}a_{33}b_{12})$
- The $(6,3,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}a_{33}b_{12})(a_{12}a_{23}b_{12})$

2.46.2 Monomial $a_{12}a_{13}a_{22}a_{23}b_{13}^2$

- The $(2,2,3)$-row $(6,3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{13}b_{13})(a_{22}a_{23}b_{13})$
- The $(6,3,3)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{22}a_{23}b_{13})(a_{12}a_{13}b_{13})$
- The $(3,1)$-row $(5,3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}a_{23}b_{13})(a_{12}a_{22}b_{13})$
- The $(5,3,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{22}b_{13})(a_{13}a_{23}b_{13})$

2.46.3 Monomial $a_{11}a_{12}a_{13}a_{23}b_{23}^2$

- The $(3,3)$-row $(5,3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{23}b_{23})(a_{11}a_{13}b_{23})$
- The $(5,3,3)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{13}b_{23})(a_{12}a_{23}b_{23})$
- The $(3,2)$-row $(5,3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{23}b_{23})(a_{11}a_{12}b_{23})$
- The $(5,3,2)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{12}b_{23})(a_{13}a_{23}b_{23})$

2.47 Monomial type $a_{13}^2a_{33}^2b_{12}^2$ with coefficient 6

2.47.1 Monomial $a_{13}^2a_{33}^2b_{12}^2$

- The $(6,3,1)$-row $(6,3,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{13}a_{33}b_{12})(a_{13}a_{33}b_{12})$

2.47.2 Monomial $a_{22}^2a_{23}^2b_{13}^2$

- The $(6,3,3)$-row $(6,3,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{22}a_{23}b_{13})(a_{22}a_{23}b_{13})$

2.47.3 Monomial $a_{11}^2a_{12}^2b_{23}^2$

- The $(5,3,2)$-row $(5,3,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{12}b_{23})(a_{11}a_{12}b_{23})$

2.47.4 Monomial $a_{12}^2a_{22}^2b_{13}^2$

- The $(5,3,1)$-row $(5,3,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{22}b_{13})(a_{12}a_{22}b_{13})$

2.47.5 Monomial $a_{11}^2a_{13}^2b_{23}^2$

- The $(5,3,3)$-row $(5,3,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{13}b_{23})(a_{11}a_{13}b_{23})$

2.47.6 Monomial $a_{23}^2a_{33}^2b_{12}^2$

- The $(6,3,2)$-row $(6,3,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{23}a_{33}b_{12})(a_{23}a_{33}b_{12})$

2.48 Monomial type $a_{11}^2a_{12}a_{13}b_{12}b_{13}$ with coefficient 72

2.48.1 Monomial $a_{11}^2a_{12}a_{13}b_{12}b_{13}$

- The $(1,2)$-row $(1,3)$-column entry of U is 30, for $(a_{11}a_{12}b_{12})(a_{11}a_{13}b_{13})$
- The $(1,3)$-row $(1,2)$-column entry of U is 30, for $(a_{11}a_{13}b_{13})(a_{11}a_{12}b_{12})$
- The $(2,2,3)$-row $(5,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{13}b_{13})(a_{11}^2b_{12})$
- The $(5,1)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}^2b_{12})(a_{12}a_{13}b_{13})$
- The $(2,2,2)$-row $(5,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{13}b_{12})(a_{11}^2b_{13})$
- The $(5,1)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}^2b_{13})(a_{12}a_{13}b_{12})$

2.48.2 Monomial $a_{13}a_{23}a_{33}^2b_{13}b_{23}$

- The $(3,1)$-row $(3,2)$-column entry of U is 30, for $(a_{13}a_{33}b_{13})(a_{23}a_{33}b_{23})$
- The $(3,2)$-row $(3,1)$-column entry of U is 30, for $(a_{23}a_{33}b_{23})(a_{13}a_{33}b_{13})$
- The $(3,2)$-row $(6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13}a_{23}b_{23})(a_{33}^2b_{13})$
- The $(6,2)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{33}^2b_{13})(a_{13}a_{23}b_{23})$
- The $(3,1)$-row $(6,2)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{23}b_{13})(a_{33}^2b_{23})$
- The $(6,2)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{33}^2b_{23})(a_{13}a_{23}b_{13})$

2.48.3 Monomial $a_{12}a_{22}^2a_{23}b_{12}b_{23}$

- The $(2,1)$-row $(2,3)$-column entry of U is 30, for $(a_{12}a_{22}b_{12})(a_{22}a_{23}b_{23})$
- The $(2,3)$-row $(2,1)$-column entry of U is 30, for $(a_{22}a_{23}b_{23})(a_{12}a_{22}b_{12})$
- The $(3,3)$-row $(6,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{23}b_{23})(a_{22}^2b_{12})$
- The $(6,2)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{22}^2b_{12})(a_{12}a_{23}b_{23})$
- The $(2,2,1)$-row $(5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{23}b_{12})(a_{22}^2b_{23})$
- The $(5,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}^2b_{23})(a_{12}a_{23}b_{12})$

2.49 Monomial type $a_{12}^3a_{13}b_{12}b_{13}$ with coefficient 48

2.49.1 Monomial $a_{12}^3a_{13}b_{12}b_{13}$

- The (1)-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 21, for $(a_{12}^2b_{12})(a_{12}a_{13}b_{13})$
- The $(2,2,3)$-row (1)-column entry of the $(1,2)$-copy of R is 21, for $(a_{12}a_{13}b_{13})(a_{12}^2b_{12})$
- The $(2,2,2)$-row $(5,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{13}b_{12})(a_{12}^2b_{13})$
- The $(5,4,2)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}^2b_{13})(a_{12}a_{13}b_{12})$

2.49.2 Monomial $a_{13}^3a_{23}b_{13}b_{23}$

- The (1)-row $(3,2)$-column entry of the $(1,3)$-copy of R is 21, for $(a_{13}^2b_{13})(a_{13}a_{23}b_{23})$
- The $(3,2)$-row (1)-column entry of the $(1,3)$-copy of R is 21, for $(a_{13}a_{23}b_{23})(a_{13}^2b_{13})$
- The $(3,1)$-row $(6,5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{23}b_{13})(a_{13}^2b_{23})$
- The $(6,5,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}^2b_{23})(a_{13}a_{23}b_{13})$

2.49.3 Monomial $a_{12}a_{23}^3b_{12}b_{23}$

- The $(3,3)$-row $(6,5,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{23}b_{23})(a_{23}^2b_{12})$
- The $(6,5,3)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{23}^2b_{12})(a_{12}a_{23}b_{23})$
- The (1)-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 21, for $(a_{23}^2b_{23})(a_{12}a_{23}b_{12})$
- The $(2,2,1)$-row (1)-column entry of the $(2,3)$-copy of R is 21, for $(a_{12}a_{23}b_{12})(a_{23}^2b_{23})$

2.49.4 Monomial $a_{12}a_{13}^3b_{12}b_{13}$

- The $(2,2,3)$-row $(5,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{13}b_{13})(a_{13}^2b_{12})$
- The $(5,4,3)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}^2b_{12})(a_{12}a_{13}b_{13})$
- The (1)-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 21, for $(a_{13}^2b_{13})(a_{12}a_{13}b_{12})$
- The $(2,2,2)$-row (1)-column entry of the $(1,3)$-copy of R is 21, for $(a_{12}a_{13}b_{12})(a_{13}^2b_{13})$

2.49.5 Monomial $a_{13}a_{23}^3b_{13}b_{23}$

- The $(3,2)$-row $(6,5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13}a_{23}b_{23})(a_{23}^2b_{13})$
- The $(6,5,2)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{23}^2b_{13})(a_{13}a_{23}b_{23})$
- The (1)-row $(3,1)$-column entry of the $(2,3)$-copy of R is 21, for $(a_{23}^2b_{23})(a_{13}a_{23}b_{13})$
- The $(3,1)$-row (1)-column entry of the $(2,3)$-copy of R is 21, for $(a_{13}a_{23}b_{13})(a_{23}^2b_{23})$

2.49.6 Monomial $a_{12}^3a_{23}b_{12}b_{23}$

- The (1)-row $(3,3)$-column entry of the $(1,2)$-copy of R is 21, for $(a_{12}^2b_{12})(a_{12}a_{23}b_{23})$
- The $(3,3)$-row (1)-column entry of the $(1,2)$-copy of R is 21, for $(a_{12}a_{23}b_{23})(a_{12}^2b_{12})$
- The $(2,2,1)$-row $(5,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{23}b_{12})(a_{12}^2b_{23})$
- The $(5,4,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}^2b_{23})(a_{12}a_{23}b_{12})$

2.50 Monomial type $a_{11}a_{12}a_{13}a_{22}b_{12}b_{13}$ with coefficient 48

2.50.1 Monomial $a_{11}a_{12}a_{13}a_{22}b_{12}b_{13}$

- The $(1,3)$-row $(2,1)$-column entry of U is 12, for $(a_{11}a_{13}b_{13})(a_{12}a_{22}b_{12})$
- The $(2,1)$-row $(1,3)$-column entry of U is 12, for $(a_{12}a_{22}b_{12})(a_{11}a_{13}b_{13})$
- The $(2,2,3)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{13}b_{13})(a_{11}a_{22}b_{12})$
- The $(4,1)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{22}b_{12})(a_{12}a_{13}b_{13})$
- The $(4,2,1)$-row $(5,6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{22}b_{12})(a_{11}a_{12}b_{13})$
- The $(5,6,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{11}a_{12}b_{13})(a_{13}a_{22}b_{12})$

2.50.2 Monomial $a_{11}a_{13}a_{23}a_{33}b_{13}b_{23}$

- The $(1,3)$-row $(3,2)$-column entry of U is 12, for $(a_{11}a_{13}b_{13})(a_{23}a_{33}b_{23})$
- The $(3,2)$-row $(1,3)$-column entry of U is 12, for $(a_{23}a_{33}b_{23})(a_{11}a_{13}b_{13})$
- The $(4,2,3)$-row $(5,6,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{23}b_{13})(a_{13}a_{33}b_{23})$
- The $(5,6,3)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{33}b_{23})(a_{11}a_{23}b_{13})$
- The $(3,2)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{23}b_{23})(a_{11}a_{33}b_{13})$
- The $(4,1)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{33}b_{13})(a_{13}a_{23}b_{23})$

2.50.3 Monomial $a_{12}a_{22}a_{23}a_{33}b_{12}b_{23}$

- The $(2,1)$-row $(3,2)$-column entry of U is 12, for $(a_{12}a_{22}b_{12})(a_{23}a_{33}b_{23})$
- The $(3,2)$-row $(2,1)$-column entry of U is 12, for $(a_{23}a_{33}b_{23})(a_{12}a_{22}b_{12})$
- The $(4,3,2)$-row $(6,6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{33}b_{23})(a_{22}a_{23}b_{12})$
- The $(6,6,2)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{22}a_{23}b_{12})(a_{12}a_{33}b_{23})$
- The $(2,2,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{23}b_{12})(a_{22}a_{33}b_{23})$
- The $(4,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{33}b_{23})(a_{12}a_{23}b_{12})$

2.50.4 Monomial $a_{11}a_{12}a_{13}a_{33}b_{12}b_{13}$

- The $(1,2)$-row $(3,1)$-column entry of U is 12, for $(a_{11}a_{12}b_{12})(a_{13}a_{33}b_{13})$
- The $(3,1)$-row $(1,2)$-column entry of U is 12, for $(a_{13}a_{33}b_{13})(a_{11}a_{12}b_{12})$
- The $(2,2,2)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{13}b_{12})(a_{11}a_{33}b_{13})$
- The $(4,1)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{33}b_{13})(a_{12}a_{13}b_{12})$
- The $(4,3,1)$-row $(6,6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{33}b_{13})(a_{11}a_{13}b_{12})$
- The $(6,6,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{11}a_{13}b_{12})(a_{12}a_{33}b_{13})$

2.50.5 Monomial $a_{13}a_{22}a_{23}a_{33}b_{13}b_{23}$

- The $(2,3)$-row $(3,1)$-column entry of U is 12, for $(a_{22}a_{23}b_{23})(a_{13}a_{33}b_{13})$
- The $(3,1)$-row $(2,3)$-column entry of U is 12, for $(a_{13}a_{33}b_{13})(a_{22}a_{23}b_{23})$
- The $(4,3,3)$-row $(6,6,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{22}b_{23})(a_{23}a_{33}b_{13})$
- The $(6,6,3)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{23}a_{33}b_{13})(a_{13}a_{22}b_{23})$
- The $(3,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}a_{23}b_{13})(a_{22}a_{33}b_{23})$
- The $(4,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{33}b_{23})(a_{13}a_{23}b_{13})$

2.50.6 Monomial $a_{11}a_{12}a_{22}a_{23}b_{12}b_{23}$

- The $(1,2)$-row $(2,3)$-column entry of U is 12, for $(a_{11}a_{12}b_{12})(a_{22}a_{23}b_{23})$
- The $(2,3)$-row $(1,2)$-column entry of U is 12, for $(a_{22}a_{23}b_{23})(a_{11}a_{12}b_{12})$
- The $(3,3)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{23}b_{23})(a_{11}a_{22}b_{12})$
- The $(4,1)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{22}b_{12})(a_{12}a_{23}b_{23})$
- The $(4,2,2)$-row $(5,6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{23}b_{12})(a_{12}a_{22}b_{23})$
- The $(5,6,2)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{22}b_{23})(a_{11}a_{23}b_{12})$

2.51 Monomial type $a_{12}a_{13}a_{22}^2b_{12}b_{13}$ with coefficient 24

2.51.1 Monomial $a_{12}a_{13}a_{22}^2b_{12}b_{13}$

- The $(2,2,3)$-row $(6,2)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{13}b_{13})(a_{22}^2b_{12})$
- The $(6,2)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{22}^2b_{12})(a_{12}a_{13}b_{13})$
- The $(4,2,1)$-row $(5,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{22}b_{12})(a_{12}a_{22}b_{13})$
- The $(5,3,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{22}b_{13})(a_{13}a_{22}b_{12})$

2.51.2 Monomial $a_{11}^2 a_{13} a_{23} b_{13} b_{23}$

- The $(4,2,3)$-row $(5,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{23}b_{13})(a_{11}a_{13}b_{23})$
- The $(5,3,3)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{13}b_{23})(a_{11}a_{23}b_{13})$
- The $(3,2)$-row $(5,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{23}b_{23})(a_{11}^2 b_{13})$
- The $(5,1)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}^2 b_{13})(a_{13}a_{23}b_{23})$

2.51.3 Monomial $a_{12} a_{23} a_{33}^2 b_{12} b_{23}$

- The $(4,3,2)$-row $(6,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{33}b_{23})(a_{23}a_{33}b_{12})$
- The $(6,3,2)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{23}a_{33}b_{12})(a_{12}a_{33}b_{23})$
- The $(2,2,1)$-row $(6,2)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{23}b_{12})(a_{33}^2 b_{23})$
- The $(6,2)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{33}^2 b_{23})(a_{12}a_{23}b_{12})$

2.51.4 Monomial $a_{12} a_{13} a_{33}^2 b_{12} b_{13}$

- The $(2,2,2)$-row $(6,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{13}b_{12})(a_{33}^2 b_{13})$
- The $(6,2)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{33}^2 b_{13})(a_{12}a_{13}b_{12})$
- The $(4,3,1)$-row $(6,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{33}b_{13})(a_{13}a_{33}b_{12})$
- The $(6,3,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{33}b_{12})(a_{12}a_{33}b_{13})$

2.51.5 Monomial $a_{13} a_{22}^2 a_{23} b_{13} b_{23}$

- The $(4,3,3)$-row $(6,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{22}b_{23})(a_{22}a_{23}b_{13})$
- The $(6,3,3)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{22}a_{23}b_{13})(a_{13}a_{22}b_{23})$
- The $(3,1)$-row $(5,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}a_{23}b_{13})(a_{22}^2 b_{23})$
- The $(5,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}^2 b_{23})(a_{13}a_{23}b_{13})$

2.51.6 Monomial $a_{11}^2 a_{12} a_{23} b_{12} b_{23}$

- The $(3,3)$-row $(5,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{23}b_{23})(a_{11}^2 b_{12})$
- The $(5,1)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}^2 b_{12})(a_{12}a_{23}b_{23})$
- The $(4,2,2)$-row $(5,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{23}b_{12})(a_{11}a_{12}b_{23})$
- The $(5,3,2)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{12}b_{23})(a_{11}a_{23}b_{12})$

2.52 Monomial type $a_{11}^3 a_{23} b_{12} b_{13}$ with coefficient 12

2.52.1 Monomial $a_{11}^3 a_{23} b_{12} b_{13}$

- The $(4,2,3)$-row $(5,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{23}b_{13})(a_{11}^2 b_{12})$
- The $(5,1)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}^2 b_{12})(a_{11}a_{23}b_{13})$
- The $(4,2,2)$-row $(5,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{23}b_{12})(a_{11}^2 b_{13})$
- The $(5,1)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}^2 b_{13})(a_{11}a_{23}b_{12})$

2.52.2 Monomial $a_{12}a_{33}^3b_{13}b_{23}$

- The $(4,3,2)$-row $(6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{33}b_{23})(a_{33}^2b_{13})$
- The $(6,2)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{33}^2b_{13})(a_{12}a_{33}b_{23})$
- The $(4,3,1)$-row $(6,2)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{33}b_{13})(a_{33}^2b_{23})$
- The $(6,2)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{33}^2b_{23})(a_{12}a_{33}b_{13})$

2.52.3 Monomial $a_{13}a_{22}^3b_{12}b_{23}$

- The $(4,3,3)$-row $(6,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{22}b_{23})(a_{22}^2b_{12})$
- The $(6,2)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{22}^2b_{12})(a_{13}a_{22}b_{23})$
- The $(4,2,1)$-row $(5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{22}b_{12})(a_{22}^2b_{23})$
- The $(5,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}^2b_{23})(a_{13}a_{22}b_{12})$

2.53 Monomial type $a_{11}a_{12}^2a_{23}b_{12}b_{13}$ with coefficient 72

2.53.1 Monomial $a_{11}a_{12}^2a_{23}b_{12}b_{13}$

- The $(\{1,2,3\},2)$-row $(1,2)$-column entry of U is 18, for $(a_{12}a_{23}b_{13})(a_{11}a_{12}b_{12})$
- The $(1,2)$-row $(\{1,2,3\},2)$-column entry of U is 18, for $(a_{11}a_{12}b_{12})(a_{12}a_{23}b_{13})$
- The (1)-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 12, for $(a_{12}^2b_{12})(a_{11}a_{23}b_{13})$
- The $(4,2,3)$-row (1)-column entry of the $(1,2)$-copy of R is 12, for $(a_{11}a_{23}b_{13})(a_{12}^2b_{12})$
- The $(4,2,2)$-row $(5,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{23}b_{12})(a_{12}^2b_{13})$
- The $(5,4,2)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}^2b_{13})(a_{11}a_{23}b_{12})$
- The $(2,2,1)$-row $(5,6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{23}b_{12})(a_{11}a_{12}b_{13})$
- The $(5,6,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{11}a_{12}b_{13})(a_{12}a_{23}b_{12})$

2.53.2 Monomial $a_{12}a_{13}^2a_{33}b_{13}b_{23}$

- The $(\{1,2,3\},1)$-row $(3,1)$-column entry of U is 18, for $(a_{12}a_{13}b_{23})(a_{13}a_{33}b_{13})$
- The $(3,1)$-row $(\{1,2,3\},1)$-column entry of U is 18, for $(a_{13}a_{33}b_{13})(a_{12}a_{13}b_{23})$
- The $(2,2,3)$-row $(5,6,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{13}b_{13})(a_{13}a_{33}b_{23})$
- The $(5,6,3)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{33}b_{23})(a_{12}a_{13}b_{13})$
- The (1)-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 12, for $(a_{13}^2b_{13})(a_{12}a_{33}b_{23})$
- The $(4,3,2)$-row (1)-column entry of the $(1,3)$-copy of R is 12, for $(a_{12}a_{33}b_{23})(a_{13}^2b_{13})$
- The $(4,3,1)$-row $(6,5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{33}b_{13})(a_{13}^2b_{23})$
- The $(6,5,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}^2b_{23})(a_{12}a_{33}b_{13})$

2.53.3 Monomial $a_{13}a_{22}a_{23}^2b_{12}b_{23}$

- The $(\{1,2,3\},3)$-row $(2,3)$-column entry of U is 18, for $(a_{13}a_{23}b_{12})(a_{22}a_{23}b_{23})$
- The $(2,3)$-row $(\{1,2,3\},3)$-column entry of U is 18, for $(a_{22}a_{23}b_{23})(a_{13}a_{23}b_{12})$
- The $(4,3,3)$-row $(6,5,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{22}b_{23})(a_{23}^2b_{12})$
- The $(6,5,3)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{23}^2b_{12})(a_{13}a_{22}b_{23})$
- The $(3,2)$-row $(6,6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13}a_{23}b_{23})(a_{22}a_{23}b_{12})$
- The $(6,6,2)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{22}a_{23}b_{12})(a_{13}a_{23}b_{23})$
- The (1)-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 12, for $(a_{23}^2b_{23})(a_{13}a_{22}b_{12})$
- The $(4,2,1)$-row (1)-column entry of the $(2,3)$-copy of R is 12, for $(a_{13}a_{22}b_{12})(a_{23}^2b_{23})$

2.53.4 Monomial $a_{11}a_{13}^2a_{23}b_{12}b_{13}$

- The $(\{1,2,3\},3)$-row $(1,3)$-column entry of U is 18, for $(a_{13}a_{23}b_{12})(a_{11}a_{13}b_{13})$
- The $(1,3)$-row $(\{1,2,3\},3)$-column entry of U is 18, for $(a_{11}a_{13}b_{13})(a_{13}a_{23}b_{12})$
- The $(4,2,3)$-row $(5,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{23}b_{13})(a_{13}^2b_{12})$
- The $(5,4,3)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}^2b_{12})(a_{11}a_{23}b_{13})$
- The (1)-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 12, for $(a_{13}^2b_{13})(a_{11}a_{23}b_{12})$
- The $(4,2,2)$-row (1)-column entry of the $(1,3)$-copy of R is 12, for $(a_{11}a_{23}b_{12})(a_{13}^2b_{13})$
- The $(3,1)$-row $(6,6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{23}b_{13})(a_{11}a_{13}b_{12})$
- The $(6,6,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{11}a_{13}b_{12})(a_{13}a_{23}b_{13})$

2.53.5 Monomial $a_{12}a_{23}^2a_{33}b_{13}b_{23}$

- The $(\{1,2,3\},2)$-row $(3,2)$-column entry of U is 18, for $(a_{12}a_{23}b_{13})(a_{23}a_{33}b_{23})$
- The $(3,2)$-row $(\{1,2,3\},2)$-column entry of U is 18, for $(a_{23}a_{33}b_{23})(a_{12}a_{23}b_{13})$
- The $(3,3)$-row $(6,6,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{23}b_{23})(a_{23}a_{33}b_{13})$
- The $(6,6,3)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{23}a_{33}b_{13})(a_{12}a_{23}b_{23})$
- The $(4,3,2)$-row $(6,5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{33}b_{23})(a_{23}^2b_{13})$
- The $(6,5,2)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{23}^2b_{13})(a_{12}a_{33}b_{23})$
- The (1)-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 12, for $(a_{23}^2b_{23})(a_{12}a_{33}b_{13})$
- The $(4,3,1)$-row (1)-column entry of the $(2,3)$-copy of R is 12, for $(a_{12}a_{33}b_{13})(a_{23}^2b_{23})$

2.53.6 Monomial $a_{12}^2 a_{13} a_{22} b_{12} b_{23}$

- The $(\{1,2,3\},1)$-row $(2,1)$-column entry of U is 18, for $(a_{12}a_{13}b_{23})(a_{12}a_{22}b_{12})$
- The $(2,1)$-row $(\{1,2,3\},1)$-column entry of U is 18, for $(a_{12}a_{22}b_{12})(a_{12}a_{13}b_{23})$
- The (1)-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 12, for $(a_{12}^2 b_{12})(a_{13}a_{22}b_{23})$
- The $(4,3,3)$-row (1)-column entry of the $(1,2)$-copy of R is 12, for $(a_{13}a_{22}b_{23})(a_{12}^2 b_{12})$
- The $(2,2,2)$-row $(5,6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{13}b_{12})(a_{12}a_{22}b_{23})$
- The $(5,6,2)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{22}b_{23})(a_{12}a_{13}b_{12})$
- The $(4,2,1)$-row $(5,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{22}b_{12})(a_{12}^2 b_{23})$
- The $(5,4,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}^2 b_{23})(a_{13}a_{22}b_{12})$

2.54 Monomial type $a_{11}^2 a_{22} a_{23} b_{12} b_{13}$ with coefficient 12

2.54.1 Monomial $a_{11}^2 a_{22} a_{23} b_{12} b_{13}$

- The $(4,1)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{22}b_{12})(a_{11}a_{23}b_{13})$
- The $(4,2,3)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{23}b_{13})(a_{11}a_{22}b_{12})$

2.54.2 Monomial $a_{11} a_{12} a_{33}^2 b_{13} b_{23}$

- The $(4,1)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{33}b_{13})(a_{12}a_{33}b_{23})$
- The $(4,3,2)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{33}b_{23})(a_{11}a_{33}b_{13})$

2.54.3 Monomial $a_{13} a_{22}^2 a_{33} b_{12} b_{23}$

- The $(4,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{22}a_{33}b_{23})(a_{13}a_{22}b_{12})$
- The $(4,2,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{13}a_{22}b_{12})(a_{22}a_{33}b_{23})$

2.54.4 Monomial $a_{11}^2 a_{23} a_{33} b_{12} b_{13}$

- The $(4,1)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{33}b_{13})(a_{11}a_{23}b_{12})$
- The $(4,2,2)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{23}b_{12})(a_{11}a_{33}b_{13})$

2.54.5 Monomial $a_{12} a_{22} a_{33}^2 b_{13} b_{23}$

- The $(4,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{22}a_{33}b_{23})(a_{12}a_{33}b_{13})$
- The $(4,3,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{33}b_{13})(a_{22}a_{33}b_{23})$

2.54.6 Monomial $a_{11} a_{13} a_{22}^2 b_{12} b_{23}$

- The $(4,1)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{22}b_{12})(a_{13}a_{22}b_{23})$
- The $(4,3,3)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{22}b_{23})(a_{11}a_{22}b_{12})$

2.55 Monomial type $a_{12}^2 a_{22} a_{23} b_{12} b_{13}$ with coefficient 72

2.55.1 Monomial $a_{12}^2 a_{22} a_{23} b_{12} b_{13}$

- The $(\{1,2,3\},2)$-row $(2,1)$-column entry of U is 24, for $(a_{12}a_{23}b_{13})(a_{12}a_{22}b_{12})$
- The $(2,1)$-row $(\{1,2,3\},2)$-column entry of U is 24, for $(a_{12}a_{22}b_{12})(a_{12}a_{23}b_{13})$
- The (1)-row $(6,3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}^2 b_{12})(a_{22}a_{23}b_{13})$
- The $(6,3,3)$-row (1)-column entry of the $(1,2)$-copy of R is 9, for $(a_{22}a_{23}b_{13})(a_{12}^2 b_{12})$
- The $(2,2,1)$-row $(5,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{23}b_{12})(a_{12}a_{22}b_{13})$
- The $(5,3,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{22}b_{13})(a_{12}a_{23}b_{12})$

2.55.2 Monomial $a_{11} a_{12} a_{13}^2 b_{13} b_{23}$

- The $(\{1,2,3\},1)$-row $(1,3)$-column entry of U is 24, for $(a_{12}a_{13}b_{23})(a_{11}a_{13}b_{13})$
- The $(1,3)$-row $(\{1,2,3\},1)$-column entry of U is 24, for $(a_{11}a_{13}b_{13})(a_{12}a_{13}b_{23})$
- The $(2,2,3)$-row $(5,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{13}b_{13})(a_{11}a_{13}b_{23})$
- The $(5,3,3)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{13}b_{23})(a_{12}a_{13}b_{13})$
- The (1)-row $(5,3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}^2 b_{13})(a_{11}a_{12}b_{23})$
- The $(5,3,2)$-row (1)-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{12}b_{23})(a_{13}^2 b_{13})$

2.55.3 Monomial $a_{13} a_{23}^2 a_{33} b_{12} b_{23}$

- The $(\{1,2,3\},3)$-row $(3,2)$-column entry of U is 24, for $(a_{13}a_{23}b_{12})(a_{23}a_{33}b_{23})$
- The $(3,2)$-row $(\{1,2,3\},3)$-column entry of U is 24, for $(a_{23}a_{33}b_{23})(a_{13}a_{23}b_{12})$
- The $(3,2)$-row $(6,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13}a_{23}b_{23})(a_{23}a_{33}b_{12})$
- The $(6,3,2)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{23}a_{33}b_{12})(a_{13}a_{23}b_{23})$
- The (1)-row $(6,3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}^2 b_{23})(a_{13}a_{33}b_{12})$
- The $(6,3,1)$-row (1)-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}a_{33}b_{12})(a_{23}^2 b_{23})$

2.55.4 Monomial $a_{13}^2 a_{23} a_{33} b_{12} b_{13}$

- The $(\{1,2,3\},3)$-row $(3,1)$-column entry of U is 24, for $(a_{13}a_{23}b_{12})(a_{13}a_{33}b_{13})$
- The $(3,1)$-row $(\{1,2,3\},3)$-column entry of U is 24, for $(a_{13}a_{33}b_{13})(a_{13}a_{23}b_{12})$
- The (1)-row $(6,3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}^2 b_{13})(a_{23}a_{33}b_{12})$
- The $(6,3,2)$-row (1)-column entry of the $(1,3)$-copy of R is 9, for $(a_{23}a_{33}b_{12})(a_{13}^2 b_{13})$
- The $(3,1)$-row $(6,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{23}b_{13})(a_{13}a_{33}b_{12})$
- The $(6,3,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{33}b_{12})(a_{13}a_{23}b_{13})$

2.55.5 Monomial $a_{12}a_{22}a_{23}^2b_{13}b_{23}$

- The $(\{1,2,3\},2)$-row $(2,3)$-column entry of U is 24, for $(a_{12}a_{23}b_{13})(a_{22}a_{23}b_{23})$
- The $(2,3)$-row $(\{1,2,3\},2)$-column entry of U is 24, for $(a_{22}a_{23}b_{23})(a_{12}a_{23}b_{13})$
- The $(3,3)$-row $(6,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{23}b_{23})(a_{22}a_{23}b_{13})$
- The $(6,3,3)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{22}a_{23}b_{13})(a_{12}a_{23}b_{23})$
- The (1)-row $(5,3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}^2b_{23})(a_{12}a_{22}b_{13})$
- The $(5,3,1)$-row (1)-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{22}b_{13})(a_{23}^2b_{23})$

2.55.6 Monomial $a_{11}a_{12}^2a_{13}b_{12}b_{23}$

- The $(\{1,2,3\},1)$-row $(1,2)$-column entry of U is 24, for $(a_{12}a_{13}b_{23})(a_{11}a_{12}b_{12})$
- The $(1,2)$-row $(\{1,2,3\},1)$-column entry of U is 24, for $(a_{11}a_{12}b_{12})(a_{12}a_{13}b_{23})$
- The (1)-row $(5,3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}^2b_{12})(a_{11}a_{13}b_{23})$
- The $(5,3,3)$-row (1)-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{13}b_{23})(a_{12}^2b_{12})$
- The $(2,2,2)$-row $(5,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{13}b_{12})(a_{11}a_{12}b_{23})$
- The $(5,3,2)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{12}b_{23})(a_{12}a_{13}b_{12})$

2.56 Monomial type $a_{13}^2a_{22}a_{23}b_{12}b_{13}$ with coefficient 36

2.56.1 Monomial $a_{13}^2a_{22}a_{23}b_{12}b_{13}$

- The (1)-row $(6,6,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}^2b_{13})(a_{22}a_{23}b_{12})$
- The $(6,6,2)$-row (1)-column entry of the $(1,3)$-copy of R is 9, for $(a_{22}a_{23}b_{12})(a_{13}^2b_{13})$
- The $(3,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}a_{23}b_{13})(a_{13}a_{22}b_{12})$
- The $(4,2,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}a_{22}b_{12})(a_{13}a_{23}b_{13})$

2.56.2 Monomial $a_{11}a_{12}a_{23}^2b_{13}b_{23}$

- The $(3,3)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{23}b_{23})(a_{11}a_{23}b_{13})$
- The $(4,2,3)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{23}b_{13})(a_{12}a_{23}b_{23})$
- The (1)-row $(5,6,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}^2b_{23})(a_{11}a_{12}b_{13})$
- The $(5,6,1)$-row (1)-column entry of the $(2,3)$-copy of R is 9, for $(a_{11}a_{12}b_{13})(a_{23}^2b_{23})$

2.56.3 Monomial $a_{12}^2a_{13}a_{33}b_{12}b_{23}$

- The (1)-row $(5,6,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}^2b_{12})(a_{13}a_{33}b_{23})$
- The $(5,6,3)$-row (1)-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}a_{33}b_{23})(a_{12}^2b_{12})$
- The $(2,2,2)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{13}b_{12})(a_{12}a_{33}b_{23})$
- The $(4,3,2)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{33}b_{23})(a_{12}a_{13}b_{12})$

2.56.4 Monomial $a_{12}^2 a_{23} a_{33} b_{12} b_{13}$

- The (1)-row $(6,6,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}^2 b_{12})(a_{23} a_{33} b_{13})$
- The $(6,6,3)$-row (1)-column entry of the $(1,2)$-copy of R is 9, for $(a_{23} a_{33} b_{13})(a_{12}^2 b_{12})$
- The $(2,2,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12} a_{23} b_{12})(a_{12} a_{33} b_{13})$
- The $(4,3,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12} a_{33} b_{13})(a_{12} a_{23} b_{12})$

2.56.5 Monomial $a_{12} a_{13}^2 a_{22} b_{13} b_{23}$

- The $(2,2,3)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12} a_{13} b_{13})(a_{13} a_{22} b_{23})$
- The $(4,3,3)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{13} a_{22} b_{23})(a_{12} a_{13} b_{13})$
- The (1)-row $(5,6,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}^2 b_{13})(a_{12} a_{22} b_{23})$
- The $(5,6,2)$-row (1)-column entry of the $(1,3)$-copy of R is 9, for $(a_{12} a_{22} b_{23})(a_{13}^2 b_{13})$

2.56.6 Monomial $a_{11} a_{13} a_{23}^2 b_{12} b_{23}$

- The $(3,2)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13} a_{23} b_{23})(a_{11} a_{23} b_{12})$
- The $(4,2,2)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11} a_{23} b_{12})(a_{13} a_{23} b_{23})$
- The (1)-row $(6,6,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}^2 b_{23})(a_{11} a_{13} b_{12})$
- The $(6,6,1)$-row (1)-column entry of the $(2,3)$-copy of R is 9, for $(a_{11} a_{13} b_{12})(a_{23}^2 b_{23})$

2.57 Monomial type $a_{11} a_{22}^2 a_{23} b_{12} b_{13}$ with coefficient 12

2.57.1 Monomial $a_{11} a_{22}^2 a_{23} b_{12} b_{13}$

- The $(4,1)$-row $(6,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11} a_{22} b_{12})(a_{22} a_{23} b_{13})$
- The $(4,2,3)$-row $(6,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11} a_{23} b_{13})(a_{22}^2 b_{12})$
- The $(6,2)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{22}^2 b_{12})(a_{11} a_{23} b_{13})$
- The $(6,3,3)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{22} a_{23} b_{13})(a_{11} a_{22} b_{12})$

2.57.2 Monomial $a_{11}^2 a_{12} a_{33} b_{13} b_{23}$

- The $(4,1)$-row $(5,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11} a_{33} b_{13})(a_{11} a_{12} b_{23})$
- The $(4,3,2)$-row $(5,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12} a_{33} b_{23})(a_{11}^2 b_{13})$
- The $(5,1)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}^2 b_{13})(a_{12} a_{33} b_{23})$
- The $(5,3,2)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11} a_{12} b_{23})(a_{11} a_{33} b_{13})$

2.57.3 Monomial $a_{13} a_{22} a_{33}^2 b_{12} b_{23}$

- The $(4,1)$-row $(6,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22} a_{33} b_{23})(a_{13} a_{33} b_{12})$
- The $(4,2,1)$-row $(6,2)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13} a_{22} b_{12})(a_{33}^2 b_{23})$
- The $(6,2)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{33}^2 b_{23})(a_{13} a_{22} b_{12})$
- The $(6,3,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13} a_{33} b_{12})(a_{22} a_{33} b_{23})$

2.57.4 Monomial $a_{11}a_{23}a_{33}^2b_{12}b_{13}$

- The $(4,1)$-row $(6,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{33}b_{13})(a_{23}a_{33}b_{12})$
- The $(4,2,2)$-row $(6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{23}b_{12})(a_{33}^2b_{13})$
- The $(6,2)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{33}^2b_{13})(a_{11}a_{23}b_{12})$
- The $(6,3,2)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{23}a_{33}b_{12})(a_{11}a_{33}b_{13})$

2.57.5 Monomial $a_{12}a_{22}^2a_{33}b_{13}b_{23}$

- The $(4,1)$-row $(5,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{33}b_{23})(a_{12}a_{22}b_{13})$
- The $(4,3,1)$-row $(5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{33}b_{13})(a_{22}^2b_{23})$
- The $(5,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}^2b_{23})(a_{12}a_{33}b_{13})$
- The $(5,3,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{22}b_{13})(a_{22}a_{33}b_{23})$

2.57.6 Monomial $a_{11}^2a_{13}a_{22}b_{12}b_{23}$

- The $(4,1)$-row $(5,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{22}b_{12})(a_{11}a_{13}b_{23})$
- The $(4,3,3)$-row $(5,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{22}b_{23})(a_{11}^2b_{12})$
- The $(5,1)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}^2b_{12})(a_{13}a_{22}b_{23})$
- The $(5,3,3)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{13}b_{23})(a_{11}a_{22}b_{12})$

2.58 Monomial type $a_{22}^3a_{23}b_{12}b_{13}$ with coefficient 12

2.58.1 Monomial $a_{22}^3a_{23}b_{12}b_{13}$

- The $(6,2)$-row $(6,3,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{22}^2b_{12})(a_{22}a_{23}b_{13})$
- The $(6,3,3)$-row $(6,2)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{22}a_{23}b_{13})(a_{22}^2b_{12})$

2.58.2 Monomial $a_{11}^3a_{12}b_{13}b_{23}$

- The $(5,1)$-row $(5,3,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}^2b_{13})(a_{11}a_{12}b_{23})$
- The $(5,3,2)$-row $(5,1)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{12}b_{23})(a_{11}^2b_{13})$

2.58.3 Monomial $a_{13}a_{33}^3b_{12}b_{23}$

- The $(6,2)$-row $(6,3,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{33}^2b_{23})(a_{13}a_{33}b_{12})$
- The $(6,3,1)$-row $(6,2)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{13}a_{33}b_{12})(a_{33}^2b_{23})$

2.58.4 Monomial $a_{23}a_{33}^3b_{12}b_{13}$

- The $(6,2)$-row $(6,3,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{33}^2b_{13})(a_{23}a_{33}b_{12})$
- The $(6,3,2)$-row $(6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{23}a_{33}b_{12})(a_{33}^2b_{13})$

2.58.5 Monomial $a_{12}a_{22}^3b_{13}b_{23}$

- The $(5,1)$-row $(5,3,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{22}^2b_{23})(a_{12}a_{22}b_{13})$
- The $(5,3,1)$-row $(5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{22}b_{13})(a_{22}^2b_{23})$

2.58.6 Monomial $a_{11}^3 a_{13} b_{12} b_{23}$

- The $(5,1)$-row $(5,3,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}^2 b_{12})(a_{11} a_{13} b_{23})$
- The $(5,3,3)$-row $(5,1)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11} a_{13} b_{23})(a_{11}^2 b_{12})$

2.59 Monomial type $a_{12} a_{13} a_{23}^2 b_{12} b_{13}$ with coefficient 96

2.59.1 Monomial $a_{12} a_{13} a_{23}^2 b_{12} b_{13}$

- The $(\{1,2,3\},2)$-row $(\{1,2,3\},3)$-column entry of U is 18, for $(a_{12} a_{23} b_{13})(a_{13} a_{23} b_{12})$
- The $(\{1,2,3\},3)$-row $(\{1,2,3\},2)$-column entry of U is 18, for $(a_{13} a_{23} b_{12})(a_{12} a_{23} b_{13})$
- The $(2,2,3)$-row $(6,5,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12} a_{13} b_{13})(a_{23}^2 b_{12})$
- The $(6,5,3)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{23}^2 b_{12})(a_{12} a_{13} b_{13})$
- The $(2,2,2)$-row $(6,5,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12} a_{13} b_{12})(a_{23}^2 b_{13})$
- The $(6,5,2)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{23}^2 b_{13})(a_{12} a_{13} b_{12})$
- The $(2,2,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 12, for $(a_{12} a_{23} b_{12})(a_{13} a_{23} b_{13})$
- The $(3,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 12, for $(a_{13} a_{23} b_{13})(a_{12} a_{23} b_{12})$

2.59.2 Monomial $a_{12}^2 a_{13} a_{23} b_{13} b_{23}$

- The $(\{1,2,3\},1)$-row $(\{1,2,3\},2)$-column entry of U is 18, for $(a_{12} a_{13} b_{23})(a_{12} a_{23} b_{13})$
- The $(\{1,2,3\},2)$-row $(\{1,2,3\},1)$-column entry of U is 18, for $(a_{12} a_{23} b_{13})(a_{12} a_{13} b_{23})$
- The $(2,2,3)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 12, for $(a_{12} a_{13} b_{13})(a_{12} a_{23} b_{23})$
- The $(3,3)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 12, for $(a_{12} a_{23} b_{23})(a_{12} a_{13} b_{13})$
- The $(3,2)$-row $(5,4,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13} a_{23} b_{23})(a_{12}^2 b_{13})$
- The $(5,4,2)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}^2 b_{13})(a_{13} a_{23} b_{23})$
- The $(3,1)$-row $(5,4,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13} a_{23} b_{13})(a_{12}^2 b_{23})$
- The $(5,4,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}^2 b_{23})(a_{13} a_{23} b_{13})$

2.59.3 Monomial $a_{12} a_{13}^2 a_{23} b_{12} b_{23}$

- The $(\{1,2,3\},1)$-row $(\{1,2,3\},3)$-column entry of U is 18, for $(a_{12} a_{13} b_{23})(a_{13} a_{23} b_{12})$
- The $(\{1,2,3\},3)$-row $(\{1,2,3\},1)$-column entry of U is 18, for $(a_{13} a_{23} b_{12})(a_{12} a_{13} b_{23})$
- The $(3,3)$-row $(5,4,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12} a_{23} b_{23})(a_{13}^2 b_{12})$
- The $(5,4,3)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}^2 b_{12})(a_{12} a_{23} b_{23})$
- The $(2,2,2)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 12, for $(a_{12} a_{13} b_{12})(a_{13} a_{23} b_{23})$
- The $(3,2)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 12, for $(a_{13} a_{23} b_{23})(a_{12} a_{13} b_{12})$
- The $(2,2,1)$-row $(6,5,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12} a_{23} b_{12})(a_{13}^2 b_{23})$
- The $(6,5,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}^2 b_{23})(a_{12} a_{23} b_{12})$

2.60 Monomial type $a_{11}a_{23}^3b_{12}b_{13}$ with coefficient 12

2.60.1 Monomial $a_{11}a_{23}^3b_{12}b_{13}$

- The $(4,2,3)$-row $(6,5,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{23}b_{13})(a_{23}^2b_{12})$
- The $(6,5,3)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{23}^2b_{12})(a_{11}a_{23}b_{13})$
- The $(4,2,2)$-row $(6,5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{23}b_{12})(a_{23}^2b_{13})$
- The $(6,5,2)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{23}^2b_{13})(a_{11}a_{23}b_{12})$

2.60.2 Monomial $a_{12}^3a_{33}b_{13}b_{23}$

- The $(4,3,2)$-row $(5,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{33}b_{23})(a_{12}^2b_{13})$
- The $(5,4,2)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}^2b_{13})(a_{12}a_{33}b_{23})$
- The $(4,3,1)$-row $(5,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{33}b_{13})(a_{12}^2b_{23})$
- The $(5,4,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}^2b_{23})(a_{12}a_{33}b_{13})$

2.60.3 Monomial $a_{13}^3a_{22}b_{12}b_{23}$

- The $(4,3,3)$-row $(5,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{22}b_{23})(a_{13}^2b_{12})$
- The $(5,4,3)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}^2b_{12})(a_{13}a_{22}b_{23})$
- The $(4,2,1)$-row $(6,5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{22}b_{12})(a_{13}^2b_{23})$
- The $(6,5,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}^2b_{23})(a_{13}a_{22}b_{12})$

2.61 Monomial type $a_{22}a_{23}^3b_{12}b_{13}$ with coefficient 24

2.61.1 Monomial $a_{22}a_{23}^3b_{12}b_{13}$

- The $(6,3,3)$-row $(6,5,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{22}a_{23}b_{13})(a_{23}^2b_{12})$
- The $(6,5,3)$-row $(6,3,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{23}^2b_{12})(a_{22}a_{23}b_{13})$
- The $(6,5,2)$-row $(6,6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{23}^2b_{13})(a_{22}a_{23}b_{12})$
- The $(6,6,2)$-row $(6,5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{22}a_{23}b_{12})(a_{23}^2b_{13})$

2.61.2 Monomial $a_{11}a_{12}^3b_{13}b_{23}$

- The $(5,3,2)$-row $(5,4,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{12}b_{23})(a_{12}^2b_{13})$
- The $(5,4,2)$-row $(5,3,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}^2b_{13})(a_{11}a_{12}b_{23})$
- The $(5,4,1)$-row $(5,6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}^2b_{23})(a_{11}a_{12}b_{13})$
- The $(5,6,1)$-row $(5,4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{11}a_{12}b_{13})(a_{12}^2b_{23})$

2.61.3 Monomial $a_{13}^3a_{33}b_{12}b_{23}$

- The $(5,4,3)$-row $(5,6,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}^2b_{12})(a_{13}a_{33}b_{23})$
- The $(5,6,3)$-row $(5,4,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{33}b_{23})(a_{13}^2b_{12})$
- The $(6,3,1)$-row $(6,5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{13}a_{33}b_{12})(a_{13}^2b_{23})$
- The $(6,5,1)$-row $(6,3,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{13}^2b_{23})(a_{13}a_{33}b_{12})$

2.61.4 Monomial $a_{23}^3 a_{33} b_{12} b_{13}$

- The $(6,5,3)$-row $(6,6,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{23}^2 b_{12})(a_{23} a_{33} b_{13})$
- The $(6,6,3)$-row $(6,5,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{23} a_{33} b_{13})(a_{23}^2 b_{12})$
- The $(6,3,2)$-row $(6,5,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{23} a_{33} b_{12})(a_{23}^2 b_{13})$
- The $(6,5,2)$-row $(6,3,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{23}^2 b_{13})(a_{23} a_{33} b_{12})$

2.61.5 Monomial $a_{12}^3 a_{22} b_{13} b_{23}$

- The $(5,4,2)$-row $(5,6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}^2 b_{13})(a_{12} a_{22} b_{23})$
- The $(5,6,2)$-row $(5,4,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12} a_{22} b_{23})(a_{12}^2 b_{13})$
- The $(5,3,1)$-row $(5,4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12} a_{22} b_{13})(a_{12}^2 b_{23})$
- The $(5,4,1)$-row $(5,3,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}^2 b_{23})(a_{12} a_{22} b_{13})$

2.61.6 Monomial $a_{11} a_{13}^3 b_{12} b_{23}$

- The $(5,3,3)$-row $(5,4,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11} a_{13} b_{23})(a_{13}^2 b_{12})$
- The $(5,4,3)$-row $(5,3,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}^2 b_{12})(a_{11} a_{13} b_{23})$
- The $(6,5,1)$-row $(6,6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{13}^2 b_{23})(a_{11} a_{13} b_{12})$
- The $(6,6,1)$-row $(6,5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{11} a_{13} b_{12})(a_{13}^2 b_{23})$

2.62 Monomial type $a_{12} a_{13} a_{22} a_{33} b_{12} b_{13}$ with coefficient 24

2.62.1 Monomial $a_{12} a_{13} a_{22} a_{33} b_{12} b_{13}$

- The $(2,1)$-row $(3,1)$-column entry of U is 6, for $(a_{12} a_{22} b_{12})(a_{13} a_{33} b_{13})$
- The $(3,1)$-row $(2,1)$-column entry of U is 6, for $(a_{13} a_{33} b_{13})(a_{12} a_{22} b_{12})$
- The $(4,2,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{13} a_{22} b_{12})(a_{12} a_{33} b_{13})$
- The $(4,3,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12} a_{33} b_{13})(a_{13} a_{22} b_{12})$

2.62.2 Monomial $a_{11} a_{13} a_{22} a_{23} b_{13} b_{23}$

- The $(1,3)$-row $(2,3)$-column entry of U is 6, for $(a_{11} a_{13} b_{13})(a_{22} a_{23} b_{23})$
- The $(2,3)$-row $(1,3)$-column entry of U is 6, for $(a_{22} a_{23} b_{23})(a_{11} a_{13} b_{13})$
- The $(4,2,3)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11} a_{23} b_{13})(a_{13} a_{22} b_{23})$
- The $(4,3,3)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13} a_{22} b_{23})(a_{11} a_{23} b_{13})$

2.62.3 Monomial $a_{11} a_{12} a_{23} a_{33} b_{12} b_{23}$

- The $(1,2)$-row $(3,2)$-column entry of U is 6, for $(a_{11} a_{12} b_{12})(a_{23} a_{33} b_{23})$
- The $(3,2)$-row $(1,2)$-column entry of U is 6, for $(a_{23} a_{33} b_{23})(a_{11} a_{12} b_{12})$
- The $(4,2,2)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11} a_{23} b_{12})(a_{12} a_{33} b_{23})$
- The $(4,3,2)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12} a_{33} b_{23})(a_{11} a_{23} b_{12})$

2.63 Monomial type $a_{11}a_{22}a_{23}a_{33}b_{12}b_{13}$ with coefficient 12

2.63.1 Monomial $a_{11}a_{22}a_{23}a_{33}b_{12}b_{13}$

- The $(4,1)$-row $(6,6,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{22}b_{12})(a_{23}a_{33}b_{13})$
- The $(6,6,3)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{23}a_{33}b_{13})(a_{11}a_{22}b_{12})$
- The $(4,1)$-row $(6,6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{33}b_{13})(a_{22}a_{23}b_{12})$
- The $(6,6,2)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{22}a_{23}b_{12})(a_{11}a_{33}b_{13})$

2.63.2 Monomial $a_{11}a_{12}a_{22}a_{33}b_{13}b_{23}$

- The $(4,1)$-row $(5,6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{33}b_{13})(a_{12}a_{22}b_{23})$
- The $(5,6,2)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{22}b_{23})(a_{11}a_{33}b_{13})$
- The $(4,1)$-row $(5,6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{33}b_{23})(a_{11}a_{12}b_{13})$
- The $(5,6,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{11}a_{12}b_{13})(a_{22}a_{33}b_{23})$

2.63.3 Monomial $a_{11}a_{13}a_{22}a_{33}b_{12}b_{23}$

- The $(4,1)$-row $(5,6,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{22}b_{12})(a_{13}a_{33}b_{23})$
- The $(5,6,3)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{33}b_{23})(a_{11}a_{22}b_{12})$
- The $(4,1)$-row $(6,6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{33}b_{23})(a_{11}a_{13}b_{12})$
- The $(6,6,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{11}a_{13}b_{12})(a_{22}a_{33}b_{23})$

2.64 Monomial type $a_{22}^2a_{23}a_{33}b_{12}b_{13}$ with coefficient 12

2.64.1 Monomial $a_{22}^2a_{23}a_{33}b_{12}b_{13}$

- The $(6,2)$-row $(6,6,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{22}^2b_{12})(a_{23}a_{33}b_{13})$
- The $(6,6,3)$-row $(6,2)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{23}a_{33}b_{13})(a_{22}^2b_{12})$

2.64.2 Monomial $a_{11}^2a_{12}a_{22}b_{13}b_{23}$

- The $(5,1)$-row $(5,6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}^2b_{13})(a_{12}a_{22}b_{23})$
- The $(5,6,2)$-row $(5,1)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{22}b_{23})(a_{11}^2b_{13})$

2.64.3 Monomial $a_{11}a_{13}a_{33}^2b_{12}b_{23}$

- The $(6,2)$-row $(6,6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{33}^2b_{23})(a_{11}a_{13}b_{12})$
- The $(6,6,1)$-row $(6,2)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{11}a_{13}b_{12})(a_{33}^2b_{23})$

2.64.4 Monomial $a_{22}a_{23}a_{33}^2b_{12}b_{13}$

- The $(6,2)$-row $(6,6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{33}^2b_{13})(a_{22}a_{23}b_{12})$
- The $(6,6,2)$-row $(6,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{22}a_{23}b_{12})(a_{33}^2b_{13})$

2.64.5 Monomial $a_{11}a_{12}a_{22}^2b_{13}b_{23}$

- The $(5,1)$-row $(5,6,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{22}^2b_{23})(a_{11}a_{12}b_{13})$
- The $(5,6,1)$-row $(5,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{11}a_{12}b_{13})(a_{22}^2b_{23})$

2.64.6 Monomial $a_{11}^2 a_{13} a_{33} b_{12} b_{23}$

- The $(5,1)$-row $(5,6,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}^2 b_{12})(a_{13} a_{33} b_{23})$
- The $(5,6,3)$-row $(5,1)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13} a_{33} b_{23})(a_{11}^2 b_{12})$

2.65 Monomial type $a_{11}^2 a_{12}^2 b_{11} b_{22}$ with coefficient 18

2.65.1 Monomial $a_{11}^2 a_{12}^2 b_{11} b_{22}$

- The $(\hat{1},\hat{1})$-row $(\hat{2},\hat{1})$-column entry of U is 6, for $(a_{11}^2 b_{11})(a_{12}^2 b_{22})$
- The $(\hat{2},\hat{1})$-row $(\hat{1},\hat{1})$-column entry of U is 6, for $(a_{12}^2 b_{22})(a_{11}^2 b_{11})$
- The $(2,1)$-row $(5,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11} a_{12} b_{11})(a_{11} a_{12} b_{22})$
- The $(5,2)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11} a_{12} b_{22})(a_{11} a_{12} b_{11})$

2.65.2 Monomial $a_{13}^2 a_{33}^2 b_{11} b_{33}$

- The $(\hat{1},\hat{3})$-row $(\hat{3},\hat{3})$-column entry of U is 6, for $(a_{13}^2 b_{11})(a_{33}^2 b_{33})$
- The $(\hat{3},\hat{3})$-row $(\hat{1},\hat{3})$-column entry of U is 6, for $(a_{33}^2 b_{33})(a_{13}^2 b_{11})$
- The $(3,3)$-row $(6,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13} a_{33} b_{33})(a_{13} a_{33} b_{11})$
- The $(6,1)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13} a_{33} b_{11})(a_{13} a_{33} b_{33})$

2.65.3 Monomial $a_{22}^2 a_{23}^2 b_{22} b_{33}$

- The $(\hat{2},\hat{2})$-row $(\hat{3},\hat{2})$-column entry of U is 6, for $(a_{22}^2 b_{22})(a_{23}^2 b_{33})$
- The $(\hat{3},\hat{2})$-row $(\hat{2},\hat{2})$-column entry of U is 6, for $(a_{23}^2 b_{33})(a_{22}^2 b_{22})$
- The $(2,1)$-row $(5,2)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22} a_{23} b_{22})(a_{22} a_{23} b_{33})$
- The $(5,2)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22} a_{23} b_{33})(a_{22} a_{23} b_{22})$

2.65.4 Monomial $a_{11}^2 a_{13}^2 b_{11} b_{33}$

- The $(\hat{1},\hat{1})$-row $(\hat{3},\hat{1})$-column entry of U is 6, for $(a_{11}^2 b_{11})(a_{13}^2 b_{33})$
- The $(\hat{3},\hat{1})$-row $(\hat{1},\hat{1})$-column entry of U is 6, for $(a_{13}^2 b_{33})(a_{11}^2 b_{11})$
- The $(2,1)$-row $(5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11} a_{13} b_{11})(a_{11} a_{13} b_{33})$
- The $(5,2)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11} a_{13} b_{33})(a_{11} a_{13} b_{11})$

2.65.5 Monomial $a_{23}^2 a_{33}^2 b_{22} b_{33}$

- The $(\hat{2},\hat{3})$-row $(\hat{3},\hat{3})$-column entry of U is 6, for $(a_{23}^2 b_{22})(a_{33}^2 b_{33})$
- The $(\hat{3},\hat{3})$-row $(\hat{2},\hat{3})$-column entry of U is 6, for $(a_{33}^2 b_{33})(a_{23}^2 b_{22})$
- The $(3,3)$-row $(6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{23} a_{33} b_{33})(a_{23} a_{33} b_{22})$
- The $(6,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{23} a_{33} b_{22})(a_{23} a_{33} b_{33})$

2.65.6 Monomial $a_{12}^2 a_{22}^2 b_{11} b_{22}$

- The $(\hat{1},\hat{2})$-row $(\hat{2},\hat{2})$-column entry of U is 6, for $(a_{12}^2 b_{11})(a_{22}^2 b_{22})$
- The $(\hat{2},\hat{2})$-row $(\hat{1},\hat{2})$-column entry of U is 6, for $(a_{22}^2 b_{22})(a_{12}^2 b_{11})$
- The $(3,2)$-row $(6,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{22}b_{22})(a_{12}a_{22}b_{11})$
- The $(6,1)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{22}b_{11})(a_{12}a_{22}b_{22})$

2.66 Monomial type $a_{12}^4 b_{11} b_{22}$ with coefficient 12

2.66.1 Monomial $a_{12}^4 b_{11} b_{22}$

- The $(\hat{1},\hat{2})$-row $(\hat{2},\hat{1})$-column entry of U is 6, for $(a_{12}^2 b_{11})(a_{12}^2 b_{22})$
- The $(\hat{2},\hat{1})$-row $(\hat{1},\hat{2})$-column entry of U is 6, for $(a_{12}^2 b_{22})(a_{12}^2 b_{11})$

2.66.2 Monomial $a_{13}^4 b_{11} b_{33}$

- The $(\hat{1},\hat{3})$-row $(\hat{3},\hat{1})$-column entry of U is 6, for $(a_{13}^2 b_{11})(a_{13}^2 b_{33})$
- The $(\hat{3},\hat{1})$-row $(\hat{1},\hat{3})$-column entry of U is 6, for $(a_{13}^2 b_{33})(a_{13}^2 b_{11})$

2.66.3 Monomial $a_{23}^4 b_{22} b_{33}$

- The $(\hat{2},\hat{3})$-row $(\hat{3},\hat{2})$-column entry of U is 6, for $(a_{23}^2 b_{22})(a_{23}^2 b_{33})$
- The $(\hat{3},\hat{2})$-row $(\hat{2},\hat{3})$-column entry of U is 6, for $(a_{23}^2 b_{33})(a_{23}^2 b_{22})$

2.67 Monomial type $a_{12}^2 a_{13}^2 b_{11} b_{22}$ with coefficient 12

2.67.1 Monomial $a_{12}^2 a_{13}^2 b_{11} b_{22}$

- The $(\hat{1},\hat{3})$-row $(\hat{2},\hat{1})$-column entry of U is 3, for $(a_{13}^2 b_{11})(a_{12}^2 b_{22})$
- The $(\hat{2},\hat{1})$-row $(\hat{1},\hat{3})$-column entry of U is 3, for $(a_{12}^2 b_{22})(a_{13}^2 b_{11})$
- The $(4,4,1)$-row $(6,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{11})(a_{12}a_{13}b_{22})$
- The $(6,4,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{22})(a_{12}a_{13}b_{11})$

2.67.2 Monomial $a_{13}^2 a_{23}^2 b_{11} b_{33}$

- The $(\hat{1},\hat{3})$-row $(\hat{3},\hat{2})$-column entry of U is 3, for $(a_{13}^2 b_{11})(a_{23}^2 b_{33})$
- The $(\hat{3},\hat{2})$-row $(\hat{1},\hat{3})$-column entry of U is 3, for $(a_{23}^2 b_{33})(a_{13}^2 b_{11})$
- The $(4,4,3)$-row $(6,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{33})(a_{13}a_{23}b_{11})$
- The $(6,4,3)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{11})(a_{13}a_{23}b_{33})$

2.67.3 Monomial $a_{12}^2 a_{23}^2 b_{22} b_{33}$

- The $(\hat{2},\hat{1})$-row $(\hat{3},\hat{2})$-column entry of U is 3, for $(a_{12}^2 b_{22})(a_{23}^2 b_{33})$
- The $(\hat{3},\hat{2})$-row $(\hat{2},\hat{1})$-column entry of U is 3, for $(a_{23}^2 b_{33})(a_{12}^2 b_{22})$
- The $(4,4,2)$-row $(5,5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{22})(a_{12}a_{23}b_{33})$
- The $(5,5,2)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{33})(a_{12}a_{23}b_{22})$

2.67.4 Monomial $a_{12}^2 a_{13}^2 b_{11} b_{33}$

- The $(\hat{1},\hat{2})$-row $(\hat{3},\hat{1})$-column entry of U is 3, for $(a_{12}^2 b_{11})(a_{13}^2 b_{33})$
- The $(\hat{3},\hat{1})$-row $(\hat{1},\hat{2})$-column entry of U is 3, for $(a_{13}^2 b_{33})(a_{12}^2 b_{11})$
- The $(4,4,1)$-row $(5,5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{11})(a_{12}a_{13}b_{33})$
- The $(5,5,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{33})(a_{12}a_{13}b_{11})$

2.67.5 Monomial $a_{13}^2 a_{23}^2 b_{22} b_{33}$

- The $(\hat{2},\hat{3})$-row $(\hat{3},\hat{1})$-column entry of U is 3, for $(a_{23}^2 b_{22})(a_{13}^2 b_{33})$
- The $(\hat{3},\hat{1})$-row $(\hat{2},\hat{3})$-column entry of U is 3, for $(a_{13}^2 b_{33})(a_{23}^2 b_{22})$
- The $(4,4,3)$-row $(5,5,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{33})(a_{13}a_{23}b_{22})$
- The $(5,5,3)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{22})(a_{13}a_{23}b_{33})$

2.67.6 Monomial $a_{12}^2 a_{23}^2 b_{11} b_{22}$

- The $(\hat{1},\hat{2})$-row $(\hat{2},\hat{3})$-column entry of U is 3, for $(a_{12}^2 b_{11})(a_{23}^2 b_{22})$
- The $(\hat{2},\hat{3})$-row $(\hat{1},\hat{2})$-column entry of U is 3, for $(a_{23}^2 b_{22})(a_{12}^2 b_{11})$
- The $(4,4,2)$-row $(6,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{22})(a_{12}a_{23}b_{11})$
- The $(6,4,2)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{11})(a_{12}a_{23}b_{22})$

2.68 Monomial type $a_{11}a_{12}^2 a_{22} b_{11} b_{22}$ with coefficient 24

2.68.1 Monomial $a_{11}a_{12}^2 a_{22} b_{11} b_{22}$

- The $(2,1)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 12, for $(a_{11}a_{12}b_{11})(a_{12}a_{22}b_{22})$
- The $(3,2)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 12, for $(a_{12}a_{22}b_{22})(a_{11}a_{12}b_{11})$

2.68.2 Monomial $a_{11}a_{13}^2 a_{33} b_{11} b_{33}$

- The $(2,1)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 12, for $(a_{11}a_{13}b_{11})(a_{13}a_{33}b_{33})$
- The $(3,3)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 12, for $(a_{13}a_{33}b_{33})(a_{11}a_{13}b_{11})$

2.68.3 Monomial $a_{22}a_{23}^2 a_{33} b_{22} b_{33}$

- The $(2,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 12, for $(a_{22}a_{23}b_{22})(a_{23}a_{33}b_{33})$
- The $(3,3)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 12, for $(a_{23}a_{33}b_{33})(a_{22}a_{23}b_{22})$

2.69 Monomial type $a_{11}a_{12}a_{13}a_{23} b_{11} b_{22}$ with coefficient 24

2.69.1 Monomial $a_{11}a_{12}a_{13}a_{23} b_{11} b_{22}$

- The $(2,1)$-row $(5,5,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{12}b_{11})(a_{13}a_{23}b_{22})$
- The $(5,5,3)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{22})(a_{11}a_{12}b_{11})$
- The $(2,1)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{13}b_{11})(a_{12}a_{23}b_{22})$
- The $(4,4,2)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{23}b_{22})(a_{11}a_{13}b_{11})$

2.69.2 Monomial $a_{12}a_{13}a_{23}a_{33}b_{11}b_{33}$

- The $(3,3)$-row $(6,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13}a_{33}b_{33})(a_{12}a_{23}b_{11})$
- The $(6,4,2)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{11})(a_{13}a_{33}b_{33})$
- The $(3,3)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}a_{33}b_{33})(a_{12}a_{13}b_{11})$
- The $(4,4,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{13}b_{11})(a_{23}a_{33}b_{33})$

2.69.3 Monomial $a_{12}a_{13}a_{22}a_{23}b_{22}b_{33}$

- The $(3,2)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{22}b_{22})(a_{13}a_{23}b_{33})$
- The $(4,4,3)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}a_{23}b_{33})(a_{12}a_{22}b_{22})$
- The $(2,1)$-row $(5,5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{23}b_{22})(a_{12}a_{13}b_{33})$
- The $(5,5,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{33})(a_{22}a_{23}b_{22})$

2.69.4 Monomial $a_{11}a_{12}a_{13}a_{23}b_{11}b_{33}$

- The $(2,1)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{12}b_{11})(a_{13}a_{23}b_{33})$
- The $(4,4,3)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}a_{23}b_{33})(a_{11}a_{12}b_{11})$
- The $(2,1)$-row $(5,5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{13}b_{11})(a_{12}a_{23}b_{33})$
- The $(5,5,2)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{33})(a_{11}a_{13}b_{11})$

2.69.5 Monomial $a_{12}a_{13}a_{23}a_{33}b_{22}b_{33}$

- The $(3,3)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{33}b_{33})(a_{12}a_{23}b_{22})$
- The $(4,4,2)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{23}b_{22})(a_{13}a_{33}b_{33})$
- The $(3,3)$-row $(6,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{23}a_{33}b_{33})(a_{12}a_{13}b_{22})$
- The $(6,4,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{22})(a_{23}a_{33}b_{33})$

2.69.6 Monomial $a_{12}a_{13}a_{22}a_{23}b_{11}b_{22}$

- The $(3,2)$-row $(6,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{22}b_{22})(a_{13}a_{23}b_{11})$
- The $(6,4,3)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{11})(a_{12}a_{22}b_{22})$
- The $(2,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{23}b_{22})(a_{12}a_{13}b_{11})$
- The $(4,4,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{13}b_{11})(a_{22}a_{23}b_{22})$

2.70 Monomial type $a_{13}^2a_{23}^2b_{11}b_{22}$ with coefficient 6

2.70.1 Monomial $a_{13}^2a_{23}^2b_{11}b_{22}$

- The $(\hat{1},\hat{3})$-row $(\hat{2},\hat{3})$-column entry of U is 3, for $(a_{13}^2b_{11})(a_{23}^2b_{22})$
- The $(\hat{2},\hat{3})$-row $(\hat{1},\hat{3})$-column entry of U is 3, for $(a_{23}^2b_{22})(a_{13}^2b_{11})$

2.70.2 Monomial $a_{12}^2a_{23}^2b_{11}b_{33}$

- The $(\hat{1},\hat{2})$-row $(\hat{3},\hat{2})$-column entry of U is 3, for $(a_{12}^2b_{11})(a_{23}^2b_{33})$
- The $(\hat{3},\hat{2})$-row $(\hat{1},\hat{2})$-column entry of U is 3, for $(a_{23}^2b_{33})(a_{12}^2b_{11})$

2.70.3 Monomial $a_{12}^2 a_{13}^2 b_{22} b_{33}$

- The $(\hat{2},\hat{1})$-row $(\hat{3},\hat{1})$-column entry of U is 3, for $(a_{12}^2 b_{22})(a_{13}^2 b_{33})$
- The $(\hat{3},\hat{1})$-row $(\hat{2},\hat{1})$-column entry of U is 3, for $(a_{13}^2 b_{33})(a_{12}^2 b_{22})$

2.71 Monomial type $a_{12}a_{13}a_{23}a_{33}b_{11}b_{22}$ with coefficient 12

2.71.1 Monomial $a_{12}a_{13}a_{23}a_{33}b_{11}b_{22}$

- The $(4,4,2)$-row $(6,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{22})(a_{13}a_{33}b_{11})$
- The $(6,1)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13}a_{33}b_{11})(a_{12}a_{23}b_{22})$
- The $(4,4,1)$-row $(6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{11})(a_{23}a_{33}b_{22})$
- The $(6,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{23}a_{33}b_{22})(a_{12}a_{13}b_{11})$

2.71.2 Monomial $a_{12}a_{13}a_{22}a_{23}b_{11}b_{33}$

- The $(4,4,3)$-row $(6,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{33})(a_{12}a_{22}b_{11})$
- The $(6,1)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{22}b_{11})(a_{13}a_{23}b_{33})$
- The $(4,4,1)$-row $(5,2)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{11})(a_{22}a_{23}b_{33})$
- The $(5,2)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{23}b_{33})(a_{12}a_{13}b_{11})$

2.71.3 Monomial $a_{11}a_{12}a_{13}a_{23}b_{22}b_{33}$

- The $(4,4,3)$-row $(5,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{33})(a_{11}a_{12}b_{22})$
- The $(5,2)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{12}b_{22})(a_{13}a_{23}b_{33})$
- The $(4,4,2)$-row $(5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{22})(a_{11}a_{13}b_{33})$
- The $(5,2)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{13}b_{33})(a_{12}a_{23}b_{22})$

2.72 Monomial type $a_{11}a_{12}^2 a_{13}b_{13}b_{22}$ with coefficient 24

2.72.1 Monomial $a_{11}a_{12}^2 a_{13}b_{13}b_{22}$

- The $(1,3)$-row $(\hat{2},\hat{1})$-column entry of U is 9, for $(a_{11}a_{13}b_{13})(a_{12}^2 b_{22})$
- The $(\hat{2},\hat{1})$-row $(1,3)$-column entry of U is 9, for $(a_{12}^2 b_{22})(a_{11}a_{13}b_{13})$
- The $(2,2,3)$-row $(5,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{13}b_{13})(a_{11}a_{12}b_{22})$
- The $(5,2)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{12}b_{22})(a_{12}a_{13}b_{13})$

2.72.2 Monomial $a_{13}^2 a_{23}a_{33}b_{11}b_{23}$

- The $(3,2)$-row $(\hat{1},\hat{3})$-column entry of U is 9, for $(a_{23}a_{33}b_{23})(a_{13}^2 b_{11})$
- The $(\hat{1},\hat{3})$-row $(3,2)$-column entry of U is 9, for $(a_{13}^2 b_{11})(a_{23}a_{33}b_{23})$
- The $(3,2)$-row $(6,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13}a_{23}b_{23})(a_{13}a_{33}b_{11})$
- The $(6,1)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13}a_{33}b_{11})(a_{13}a_{23}b_{23})$

2.72.3 Monomial $a_{12}a_{22}a_{23}^2b_{12}b_{33}$

- The $(2,1)$-row $(\hat{3},\hat{2})$-column entry of U is 9, for $(a_{12}a_{22}b_{12})(a_{23}^2b_{33})$
- The $(\hat{3},\hat{2})$-row $(2,1)$-column entry of U is 9, for $(a_{23}^2b_{33})(a_{12}a_{22}b_{12})$
- The $(2,2,1)$-row $(5,2)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{23}b_{12})(a_{22}a_{23}b_{33})$
- The $(5,2)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{23}b_{33})(a_{12}a_{23}b_{12})$

2.72.4 Monomial $a_{11}a_{12}a_{13}^2b_{12}b_{33}$

- The $(1,2)$-row $(\hat{3},\hat{1})$-column entry of U is 9, for $(a_{11}a_{12}b_{12})(a_{13}^2b_{33})$
- The $(\hat{3},\hat{1})$-row $(1,2)$-column entry of U is 9, for $(a_{13}^2b_{33})(a_{11}a_{12}b_{12})$
- The $(2,2,2)$-row $(5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{13}b_{12})(a_{11}a_{13}b_{33})$
- The $(5,2)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{13}b_{33})(a_{12}a_{13}b_{12})$

2.72.5 Monomial $a_{13}a_{23}^2a_{33}b_{13}b_{22}$

- The $(3,1)$-row $(\hat{2},\hat{3})$-column entry of U is 9, for $(a_{13}a_{33}b_{13})(a_{23}^2b_{22})$
- The $(\hat{2},\hat{3})$-row $(3,1)$-column entry of U is 9, for $(a_{23}^2b_{22})(a_{13}a_{33}b_{13})$
- The $(3,1)$-row $(6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{23}b_{13})(a_{23}a_{33}b_{22})$
- The $(6,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{23}a_{33}b_{22})(a_{13}a_{23}b_{13})$

2.72.6 Monomial $a_{12}^2a_{22}a_{23}b_{11}b_{23}$

- The $(2,3)$-row $(\hat{1},\hat{2})$-column entry of U is 9, for $(a_{22}a_{23}b_{23})(a_{12}^2b_{11})$
- The $(\hat{1},\hat{2})$-row $(2,3)$-column entry of U is 9, for $(a_{12}^2b_{11})(a_{22}a_{23}b_{23})$
- The $(3,3)$-row $(6,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{23}b_{23})(a_{12}a_{22}b_{11})$
- The $(6,1)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{22}b_{11})(a_{12}a_{23}b_{23})$

2.73 Monomial type $a_{12}^2a_{13}a_{22}b_{13}b_{22}$ with coefficient 24

2.73.1 Monomial $a_{12}^2a_{13}a_{22}b_{13}b_{22}$

- The $(2,2,3)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 12, for $(a_{12}a_{13}b_{13})(a_{12}a_{22}b_{22})$
- The $(3,2)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 12, for $(a_{12}a_{22}b_{22})(a_{12}a_{13}b_{13})$

2.73.2 Monomial $a_{11}a_{13}^2a_{23}b_{11}b_{23}$

- The $(2,1)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 12, for $(a_{11}a_{13}b_{11})(a_{13}a_{23}b_{23})$
- The $(3,2)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 12, for $(a_{13}a_{23}b_{23})(a_{11}a_{13}b_{11})$

2.73.3 Monomial $a_{12}a_{23}^2a_{33}b_{12}b_{33}$

- The $(2,2,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 12, for $(a_{12}a_{23}b_{12})(a_{23}a_{33}b_{33})$
- The $(3,3)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 12, for $(a_{23}a_{33}b_{33})(a_{12}a_{23}b_{12})$

2.73.4 Monomial $a_{12}a_{13}^2a_{33}b_{12}b_{33}$

- The $(2,2,2)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 12, for $(a_{12}a_{13}b_{12})(a_{13}a_{33}b_{33})$
- The $(3,3)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 12, for $(a_{13}a_{33}b_{33})(a_{12}a_{13}b_{12})$

2.73.5 Monomial $a_{13}a_{22}a_{23}^2b_{13}b_{22}$

- The $(2,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 12, for $(a_{22}a_{23}b_{22})(a_{13}a_{23}b_{13})$
- The $(3,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 12, for $(a_{13}a_{23}b_{13})(a_{22}a_{23}b_{22})$

2.73.6 Monomial $a_{11}a_{12}^2a_{23}b_{11}b_{23}$

- The $(2,1)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 12, for $(a_{11}a_{12}b_{11})(a_{12}a_{23}b_{23})$
- The $(3,3)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 12, for $(a_{12}a_{23}b_{23})(a_{11}a_{12}b_{11})$

2.74 Monomial type $a_{11}^2a_{12}a_{23}b_{13}b_{22}$ with coefficient 12

2.74.1 Monomial $a_{11}^2a_{12}a_{23}b_{13}b_{22}$

- The $(4,2,3)$-row $(5,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{23}b_{13})(a_{11}a_{12}b_{22})$
- The $(5,2)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{12}b_{22})(a_{11}a_{23}b_{13})$
- The $(4,4,2)$-row $(5,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{22})(a_{11}^2b_{13})$
- The $(5,1)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}^2b_{13})(a_{12}a_{23}b_{22})$

2.74.2 Monomial $a_{12}a_{13}a_{33}^2b_{11}b_{23}$

- The $(4,3,2)$-row $(6,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{33}b_{23})(a_{13}a_{33}b_{11})$
- The $(6,1)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13}a_{33}b_{11})(a_{12}a_{33}b_{23})$
- The $(4,4,1)$-row $(6,2)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{11})(a_{33}^2b_{23})$
- The $(6,2)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{33}^2b_{23})(a_{12}a_{13}b_{11})$

2.74.3 Monomial $a_{13}a_{22}^2a_{23}b_{12}b_{33}$

- The $(4,4,3)$-row $(6,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{33})(a_{22}^2b_{12})$
- The $(6,2)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{22}^2b_{12})(a_{13}a_{23}b_{33})$
- The $(4,2,1)$-row $(5,2)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{22}b_{12})(a_{22}a_{23}b_{33})$
- The $(5,2)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{23}b_{33})(a_{13}a_{22}b_{12})$

2.74.4 Monomial $a_{11}^2a_{13}a_{23}b_{12}b_{33}$

- The $(4,4,3)$-row $(5,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{33})(a_{11}^2b_{12})$
- The $(5,1)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}^2b_{12})(a_{13}a_{23}b_{33})$
- The $(4,2,2)$-row $(5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{23}b_{12})(a_{11}a_{13}b_{33})$
- The $(5,2)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{13}b_{33})(a_{11}a_{23}b_{12})$

2.74.5 Monomial $a_{12}a_{23}a_{33}^2b_{13}b_{22}$

- The $(4,4,2)$-row $(6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{22})(a_{33}^2b_{13})$
- The $(6,2)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{33}^2b_{13})(a_{12}a_{23}b_{22})$
- The $(4,3,1)$-row $(6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{33}b_{13})(a_{23}a_{33}b_{22})$
- The $(6,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{23}a_{33}b_{22})(a_{12}a_{33}b_{13})$

2.74.6 Monomial $a_{12}a_{13}a_{22}^2b_{11}b_{23}$

- The $(4,3,3)$-row $(6,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{22}b_{23})(a_{12}a_{22}b_{11})$
- The $(6,1)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{22}b_{11})(a_{13}a_{22}b_{23})$
- The $(4,4,1)$-row $(5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{11})(a_{22}^2b_{23})$
- The $(5,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}^2b_{23})(a_{12}a_{13}b_{11})$

2.75 Monomial type $a_{12}^3a_{23}b_{13}b_{22}$ with coefficient 24

2.75.1 Monomial $a_{12}^3a_{23}b_{13}b_{22}$

- The $(\{1,2,3\},2)$-row $(\hat{2},\hat{1})$-column entry of U is 9, for $(a_{12}a_{23}b_{13})(a_{12}^2b_{22})$
- The $(\hat{2},\hat{1})$-row $(\{1,2,3\},2)$-column entry of U is 9, for $(a_{12}^2b_{22})(a_{12}a_{23}b_{13})$
- The $(4,4,2)$-row $(5,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{22})(a_{12}^2b_{13})$
- The $(5,4,2)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}^2b_{13})(a_{12}a_{23}b_{22})$

2.75.2 Monomial $a_{12}a_{13}^3b_{11}b_{23}$

- The $(\{1,2,3\},1)$-row $(\hat{1},\hat{3})$-column entry of U is 9, for $(a_{12}a_{13}b_{23})(a_{13}^2b_{11})$
- The $(\hat{1},\hat{3})$-row $(\{1,2,3\},1)$-column entry of U is 9, for $(a_{13}^2b_{11})(a_{12}a_{13}b_{23})$
- The $(4,4,1)$-row $(6,5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{11})(a_{13}^2b_{23})$
- The $(6,5,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}^2b_{23})(a_{12}a_{13}b_{11})$

2.75.3 Monomial $a_{13}a_{23}^3b_{12}b_{33}$

- The $(\{1,2,3\},3)$-row $(\hat{3},\hat{2})$-column entry of U is 9, for $(a_{13}a_{23}b_{12})(a_{23}^2b_{33})$
- The $(\hat{3},\hat{2})$-row $(\{1,2,3\},3)$-column entry of U is 9, for $(a_{23}^2b_{33})(a_{13}a_{23}b_{12})$
- The $(4,4,3)$-row $(6,5,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{33})(a_{23}^2b_{12})$
- The $(6,5,3)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{23}^2b_{12})(a_{13}a_{23}b_{33})$

2.75.4 Monomial $a_{13}^3a_{23}b_{12}b_{33}$

- The $(\{1,2,3\},3)$-row $(\hat{3},\hat{1})$-column entry of U is 9, for $(a_{13}a_{23}b_{12})(a_{13}^2b_{33})$
- The $(\hat{3},\hat{1})$-row $(\{1,2,3\},3)$-column entry of U is 9, for $(a_{13}^2b_{33})(a_{13}a_{23}b_{12})$
- The $(4,4,3)$-row $(5,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{33})(a_{13}^2b_{12})$
- The $(5,4,3)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}^2b_{12})(a_{13}a_{23}b_{33})$

2.75.5 Monomial $a_{12}a_{23}^3b_{13}b_{22}$

- The $(\{1,2,3\},2)$-row $(\hat{2},\hat{3})$-column entry of U is 9, for $(a_{12}a_{23}b_{13})(a_{23}^2b_{22})$
- The $(\hat{2},\hat{3})$-row $(\{1,2,3\},2)$-column entry of U is 9, for $(a_{23}^2b_{22})(a_{12}a_{23}b_{13})$
- The $(4,4,2)$-row $(6,5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{22})(a_{23}^2b_{13})$
- The $(6,5,2)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{23}^2b_{13})(a_{12}a_{23}b_{22})$

2.75.6 Monomial $a_{12}^3a_{13}b_{11}b_{23}$

- The $(\{1,2,3\},1)$-row $(\hat{1},\hat{2})$-column entry of U is 9, for $(a_{12}a_{13}b_{23})(a_{12}^2b_{11})$
- The $(\hat{1},\hat{2})$-row $(\{1,2,3\},1)$-column entry of U is 9, for $(a_{12}^2b_{11})(a_{12}a_{13}b_{23})$
- The $(4,4,1)$-row $(5,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{11})(a_{12}^2b_{23})$
- The $(5,4,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}^2b_{23})(a_{12}a_{13}b_{11})$

2.76 Monomial type $a_{12}a_{13}^2a_{23}b_{13}b_{22}$ with coefficient 36

2.76.1 Monomial $a_{12}a_{13}^2a_{23}b_{13}b_{22}$

- The $(2,2,3)$-row $(5,5,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{13}b_{13})(a_{13}a_{23}b_{22})$
- The $(5,5,3)$-row $(2,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{22})(a_{12}a_{13}b_{13})$
- The (1)-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 12, for $(a_{13}^2b_{13})(a_{12}a_{23}b_{22})$
- The $(4,4,2)$-row (1)-column entry of the $(1,3)$-copy of R is 12, for $(a_{12}a_{23}b_{22})(a_{13}^2b_{13})$
- The $(3,1)$-row $(6,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{23}b_{13})(a_{12}a_{13}b_{22})$
- The $(6,4,1)$-row $(3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{22})(a_{13}a_{23}b_{13})$

2.76.2 Monomial $a_{12}a_{13}a_{23}^2b_{11}b_{23}$

- The $(3,3)$-row $(6,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{23}b_{23})(a_{13}a_{23}b_{11})$
- The $(6,4,3)$-row $(3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{11})(a_{12}a_{23}b_{23})$
- The $(3,2)$-row $(6,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13}a_{23}b_{23})(a_{12}a_{23}b_{11})$
- The $(6,4,2)$-row $(3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{11})(a_{13}a_{23}b_{23})$
- The (1)-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 12, for $(a_{23}^2b_{23})(a_{12}a_{13}b_{11})$
- The $(4,4,1)$-row (1)-column entry of the $(2,3)$-copy of R is 12, for $(a_{12}a_{13}b_{11})(a_{23}^2b_{23})$

2.76.3 Monomial $a_{12}^2a_{13}a_{23}b_{12}b_{33}$

- The (1)-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 12, for $(a_{12}^2b_{12})(a_{13}a_{23}b_{33})$
- The $(4,4,3)$-row (1)-column entry of the $(1,2)$-copy of R is 12, for $(a_{13}a_{23}b_{33})(a_{12}^2b_{12})$
- The $(2,2,2)$-row $(5,5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{13}b_{12})(a_{12}a_{23}b_{33})$
- The $(5,5,2)$-row $(2,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{33})(a_{12}a_{13}b_{12})$
- The $(2,2,1)$-row $(5,5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{23}b_{12})(a_{12}a_{13}b_{33})$
- The $(5,5,1)$-row $(2,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{33})(a_{12}a_{23}b_{12})$

2.77 Monomial type $a_{11}a_{12}a_{22}a_{23}b_{13}b_{22}$ with coefficient 24

2.77.1 Monomial $a_{11}a_{12}a_{22}a_{23}b_{13}b_{22}$

- The $(3,2)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{12}a_{22}b_{22})(a_{11}a_{23}b_{13})$
- The $(4,2,3)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{23}b_{13})(a_{12}a_{22}b_{22})$
- The $(2,1)$-row $(5,6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{23}b_{22})(a_{11}a_{12}b_{13})$
- The $(5,6,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{11}a_{12}b_{13})(a_{22}a_{23}b_{22})$

2.77.2 Monomial $a_{11}a_{12}a_{13}a_{33}b_{11}b_{23}$

- The $(2,1)$-row $(5,6,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{12}b_{11})(a_{13}a_{33}b_{23})$
- The $(5,6,3)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{33}b_{23})(a_{11}a_{12}b_{11})$
- The $(2,1)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{13}b_{11})(a_{12}a_{33}b_{23})$
- The $(4,3,2)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{12}a_{33}b_{23})(a_{11}a_{13}b_{11})$

2.77.3 Monomial $a_{13}a_{22}a_{23}a_{33}b_{12}b_{33}$

- The $(3,3)$-row $(6,6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13}a_{33}b_{33})(a_{22}a_{23}b_{12})$
- The $(6,6,2)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{22}a_{23}b_{12})(a_{13}a_{33}b_{33})$
- The $(3,3)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{23}a_{33}b_{33})(a_{13}a_{22}b_{12})$
- The $(4,2,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{13}a_{22}b_{12})(a_{23}a_{33}b_{33})$

2.77.4 Monomial $a_{11}a_{13}a_{23}a_{33}b_{12}b_{33}$

- The $(3,3)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{13}a_{33}b_{33})(a_{11}a_{23}b_{12})$
- The $(4,2,2)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 9, for $(a_{11}a_{23}b_{12})(a_{13}a_{33}b_{33})$
- The $(3,3)$-row $(6,6,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{23}a_{33}b_{33})(a_{11}a_{13}b_{12})$
- The $(6,6,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{11}a_{13}b_{12})(a_{23}a_{33}b_{33})$

2.77.5 Monomial $a_{12}a_{22}a_{23}a_{33}b_{13}b_{22}$

- The $(3,2)$-row $(6,6,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{22}b_{22})(a_{23}a_{33}b_{13})$
- The $(6,6,3)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{23}a_{33}b_{13})(a_{12}a_{22}b_{22})$
- The $(2,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{22}a_{23}b_{22})(a_{12}a_{33}b_{13})$
- The $(4,3,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 9, for $(a_{12}a_{33}b_{13})(a_{22}a_{23}b_{22})$

2.77.6 Monomial $a_{11}a_{12}a_{13}a_{22}b_{11}b_{23}$

- The $(2,1)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{11}a_{12}b_{11})(a_{13}a_{22}b_{23})$
- The $(4,3,3)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 9, for $(a_{13}a_{22}b_{23})(a_{11}a_{12}b_{11})$
- The $(2,1)$-row $(5,6,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{13}b_{11})(a_{12}a_{22}b_{23})$
- The $(5,6,2)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{22}b_{23})(a_{11}a_{13}b_{11})$

2.78 Monomial type $a_{12}a_{22}^2a_{23}b_{13}b_{22}$ with coefficient 36

2.78.1 Monomial $a_{12}a_{22}^2a_{23}b_{13}b_{22}$

- The $(\{1,2,3\},2)$-row $(\hat{2},\hat{2})$-column entry of U is 12, for $(a_{12}a_{23}b_{13})(a_{22}^2b_{22})$
- The $(\hat{2},\hat{2})$-row $(\{1,2,3\},2)$-column entry of U is 12, for $(a_{22}^2b_{22})(a_{12}a_{23}b_{13})$
- The $(3,2)$-row $(6,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{12}a_{22}b_{22})(a_{22}a_{23}b_{13})$
- The $(6,3,3)$-row $(3,2)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{22}a_{23}b_{13})(a_{12}a_{22}b_{22})$
- The $(2,1)$-row $(5,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{22}a_{23}b_{22})(a_{12}a_{22}b_{13})$
- The $(5,3,1)$-row $(2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{22}b_{13})(a_{22}a_{23}b_{22})$

2.78.2 Monomial $a_{11}^2a_{12}a_{13}b_{11}b_{23}$

- The $(\{1,2,3\},1)$-row $(\hat{1},\hat{1})$-column entry of U is 12, for $(a_{12}a_{13}b_{23})(a_{11}^2b_{11})$
- The $(\hat{1},\hat{1})$-row $(\{1,2,3\},1)$-column entry of U is 12, for $(a_{11}^2b_{11})(a_{12}a_{13}b_{23})$
- The $(2,1)$-row $(5,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{12}b_{11})(a_{11}a_{13}b_{23})$
- The $(5,3,3)$-row $(2,1)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{13}b_{23})(a_{11}a_{12}b_{11})$
- The $(2,1)$-row $(5,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{13}b_{11})(a_{11}a_{12}b_{23})$
- The $(5,3,2)$-row $(2,1)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{12}b_{23})(a_{11}a_{13}b_{11})$

2.78.3 Monomial $a_{13}a_{23}a_{33}^2b_{12}b_{33}$

- The $(\{1,2,3\},3)$-row $(\hat{3},\hat{3})$-column entry of U is 12, for $(a_{13}a_{23}b_{12})(a_{33}^2b_{33})$
- The $(\hat{3},\hat{3})$-row $(\{1,2,3\},3)$-column entry of U is 12, for $(a_{33}^2b_{33})(a_{13}a_{23}b_{12})$
- The $(3,3)$-row $(6,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{13}a_{33}b_{33})(a_{23}a_{33}b_{12})$
- The $(6,3,2)$-row $(3,3)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{23}a_{33}b_{12})(a_{13}a_{33}b_{33})$
- The $(3,3)$-row $(6,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{23}a_{33}b_{33})(a_{13}a_{33}b_{12})$
- The $(6,3,1)$-row $(3,3)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{33}b_{12})(a_{23}a_{33}b_{33})$

2.79 Monomial type $a_{11}a_{13}a_{23}^2b_{13}b_{22}$ with coefficient 12

2.79.1 Monomial $a_{11}a_{13}a_{23}^2b_{13}b_{22}$

- The $(1,3)$-row $(\hat{2},\hat{3})$-column entry of U is 3, for $(a_{11}a_{13}b_{13})(a_{23}^2b_{22})$
- The $(\hat{2},\hat{3})$-row $(1,3)$-column entry of U is 3, for $(a_{23}^2b_{22})(a_{11}a_{13}b_{13})$
- The $(4,2,3)$-row $(5,5,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{11}a_{23}b_{13})(a_{13}a_{23}b_{22})$
- The $(5,5,3)$-row $(4,2,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{22})(a_{11}a_{23}b_{13})$

2.79.2 Monomial $a_{12}^2a_{23}a_{33}b_{11}b_{23}$

- The $(3,2)$-row $(\hat{1},\hat{2})$-column entry of U is 3, for $(a_{23}a_{33}b_{23})(a_{12}^2b_{11})$
- The $(\hat{1},\hat{2})$-row $(3,2)$-column entry of U is 3, for $(a_{12}^2b_{11})(a_{23}a_{33}b_{23})$
- The $(4,3,2)$-row $(6,4,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{33}b_{23})(a_{12}a_{23}b_{11})$
- The $(6,4,2)$-row $(4,3,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{11})(a_{12}a_{33}b_{23})$

2.79.3 Monomial $a_{12}a_{13}^2a_{22}b_{12}b_{33}$

- The $(2,1)$-row $(\hat{3},\hat{1})$-column entry of U is 3, for $(a_{12}a_{22}b_{12})(a_{13}^2b_{33})$
- The $(\hat{3},\hat{1})$-row $(2,1)$-column entry of U is 3, for $(a_{13}^2b_{33})(a_{12}a_{22}b_{12})$
- The $(4,2,1)$-row $(5,5,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{13}a_{22}b_{12})(a_{12}a_{13}b_{33})$
- The $(5,5,1)$-row $(4,2,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{33})(a_{13}a_{22}b_{12})$

2.79.4 Monomial $a_{11}a_{12}a_{23}^2b_{12}b_{33}$

- The $(1,2)$-row $(\hat{3},\hat{2})$-column entry of U is 3, for $(a_{11}a_{12}b_{12})(a_{23}^2b_{33})$
- The $(\hat{3},\hat{2})$-row $(1,2)$-column entry of U is 3, for $(a_{23}^2b_{33})(a_{11}a_{12}b_{12})$
- The $(4,2,2)$-row $(5,5,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{11}a_{23}b_{12})(a_{12}a_{23}b_{33})$
- The $(5,5,2)$-row $(4,2,2)$-column entry of the $(1,3)$-copy of R is 3, for $(a_{12}a_{23}b_{33})(a_{11}a_{23}b_{12})$

2.79.5 Monomial $a_{12}^2a_{13}a_{33}b_{13}b_{22}$

- The $(3,1)$-row $(\hat{2},\hat{1})$-column entry of U is 3, for $(a_{13}a_{33}b_{13})(a_{12}^2b_{22})$
- The $(\hat{2},\hat{1})$-row $(3,1)$-column entry of U is 3, for $(a_{12}^2b_{22})(a_{13}a_{33}b_{13})$
- The $(4,3,1)$-row $(6,4,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{33}b_{13})(a_{12}a_{13}b_{22})$
- The $(6,4,1)$-row $(4,3,1)$-column entry of the $(2,3)$-copy of R is 3, for $(a_{12}a_{13}b_{22})(a_{12}a_{33}b_{13})$

2.79.6 Monomial $a_{13}^2a_{22}a_{23}b_{11}b_{23}$

- The $(2,3)$-row $(\hat{1},\hat{3})$-column entry of U is 3, for $(a_{22}a_{23}b_{23})(a_{13}^2b_{11})$
- The $(\hat{1},\hat{3})$-row $(2,3)$-column entry of U is 3, for $(a_{13}^2b_{11})(a_{22}a_{23}b_{23})$
- The $(4,3,3)$-row $(6,4,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{22}b_{23})(a_{13}a_{23}b_{11})$
- The $(6,4,3)$-row $(4,3,3)$-column entry of the $(1,2)$-copy of R is 3, for $(a_{13}a_{23}b_{11})(a_{13}a_{22}b_{23})$

2.80 Monomial type $a_{11}a_{12}a_{23}a_{33}b_{13}b_{22}$ with coefficient 12

2.80.1 Monomial $a_{11}a_{12}a_{23}a_{33}b_{13}b_{22}$

- The $(4,1)$-row $(4,4,2)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{11}a_{33}b_{13})(a_{12}a_{23}b_{22})$
- The $(4,4,2)$-row $(4,1)$-column entry of the $(1,3)$-copy of R is 6, for $(a_{12}a_{23}b_{22})(a_{11}a_{33}b_{13})$

2.80.2 Monomial $a_{12}a_{13}a_{22}a_{33}b_{11}b_{23}$

- The $(4,1)$-row $(4,4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{22}a_{33}b_{23})(a_{12}a_{13}b_{11})$
- The $(4,4,1)$-row $(4,1)$-column entry of the $(2,3)$-copy of R is 6, for $(a_{12}a_{13}b_{11})(a_{22}a_{33}b_{23})$

2.80.3 Monomial $a_{11}a_{13}a_{22}a_{23}b_{12}b_{33}$

- The $(4,1)$-row $(4,4,3)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{11}a_{22}b_{12})(a_{13}a_{23}b_{33})$
- The $(4,4,3)$-row $(4,1)$-column entry of the $(1,2)$-copy of R is 6, for $(a_{13}a_{23}b_{33})(a_{11}a_{22}b_{12})$

3 Checking matrix entries were not doubly-used

3.1 U

$$\begin{pmatrix}
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
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0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0
\end{pmatrix}$$

3.2 The $(1, 2)$-copy of R

$$\begin{pmatrix}
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
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0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
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0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0
\end{pmatrix}$$

3.3 The $(1,3)$-copy of R

$$
\begin{pmatrix}
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
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0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
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0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0
\end{pmatrix}
$$

3.4 The $(2,3)$-copy of R

$$
\begin{pmatrix}
0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
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