

	0	1	2	3	4	5	6	7
0	$b_{3,3} x^3 y^3$	$b_{2,3} x^2 y^3$	$b_{1,3} x y^3$	$b_{0,3} y^3$				
1	$b_{3,2} x^3 y^2$	$b_{2,2} x^2 y^2$	$b_{1,2} x y^2$	$b_{0,2} y^2$				
2	$b_{3,1} x^3 y$	$b_{2,1} x^2 y$	$b_{1,2} x y$	$b_{0,1} y$				
3	$b_{3,0} x^3$	$b_{2,0} x^2$	$b_{1,0} x$	$b_{0,0}$				
4					$a_{0,0}$	$a_{1,0} x$	$a_{2,0} x^2$	$a_{3,0} x^3$
5					$a_{0,1} y$	$a_{1,1} x y$	$a_{2,1} x^2 y$	$a_{3,1} x^3 y$
6					$a_{0,2} y^2$	$a_{1,2} x y^2$	$a_{2,2} x^2 y^2$	$a_{3,2} x^3 y^2$
7					$a_{1,3} y^3$	$a_{1,3} x y^3$	$a_{2,3} x^2 y^3$	$a_{3,3} x^3 y^3$

Translation  $\langle i, j \rangle$

Coefficient of  $x^{i-1} y^{j-1}$

*j*

*i*

	0	1	2	3	4	5	6	7
0	$b_{3,3} x^3 y^3$	$b_{2,3} x^2 y^3$	$b_{1,3} x y^3$	$b_{0,3} y^3$				
1	$b_{3,2} x^3 y^2$	$b_{2,2} x^2 y^2$	$b_{1,2} x y^2$	$b_{0,2} y^2$				
2	$b_{3,1} x^3 y$	$b_{2,1} x^2 y$	$b_{1,2} x y$	$b_{0,1} y$				
3	$b_{3,0} x^3$	$b_{2,0} x^2$	$b_{1,0} x$	$a_{0,0}$ x $b_{0,0}$	$a_{1,0} x$	$a_{2,0} x^2$	$a_{3,0} x^3$	
4				$a_{0,1} y$	$a_{1,1} x y$	$a_{2,1} x^2 y$	$a_{3,1} x^3 y$	
5				$a_{0,2} y^2$	$a_{1,2} x y^2$	$a_{2,2} x^2 y^2$	$a_{3,2} x^3 y^2$	
6				$a_{1,3} y^3$	$a_{1,3} x y^3$	$a_{2,3} x^2 y^3$	$a_{3,3} x^3 y^3$	
7								

Translation  $\langle i, j \rangle$

Translation  $\langle 1, 1 \rangle$

Coefficient of  $x^{i-1} y^{j-1}$

Coefficient of  $x^0 y^0$

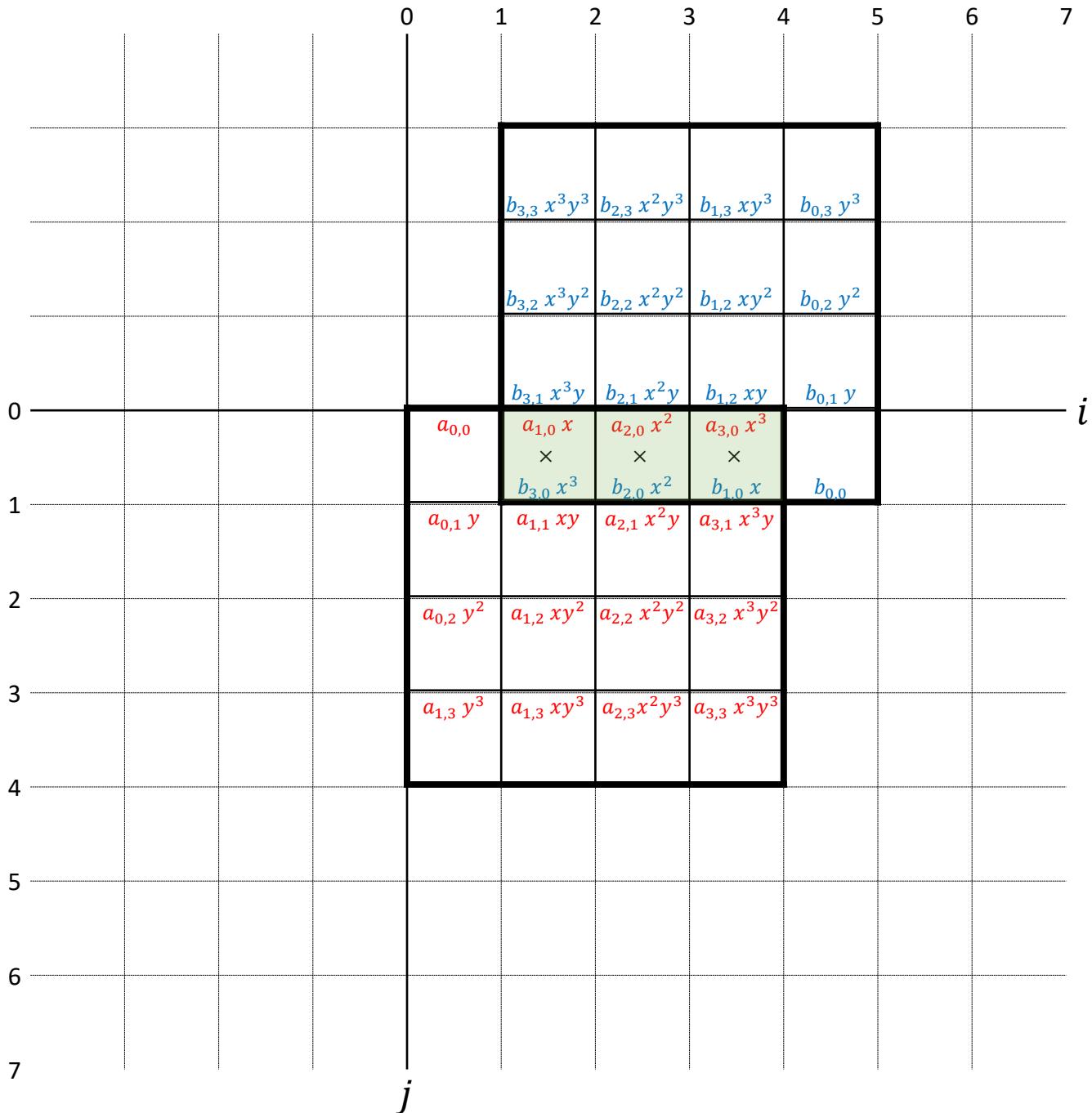
	0	1	2	3	4	5	6	7
0	$b_{3,3} x^3 y^3$	$b_{2,3} x^2 y^3$	$b_{1,3} x y^3$	$b_{0,3} y^3$				
1	$b_{3,2} x^3 y^2$	$b_{2,2} x^2 y^2$	$b_{1,2} x y^2$	$b_{0,2} y^2$				
2	$b_{3,1} x^3 y$	$b_{2,1} x^2 y$	$b_{1,2} x y$	$b_{0,1} y$				
3	$b_{3,0} x^3$	$a_{0,0}$ x	$a_{1,0} x$	$a_{2,0} x^2$	$a_{3,0} x^3$			
4	$a_{0,1} y$	$a_{1,1} x y$	$a_{2,1} x^2 y$	$a_{3,1} x^3 y$				
5	$a_{0,2} y^2$	$a_{1,2} x y^2$	$a_{2,2} x^2 y^2$	$a_{3,2} x^3 y^2$				
6	$a_{1,3} y^3$	$a_{1,3} x y^3$	$a_{2,3} x^2 y^3$	$a_{3,3} x^3 y^3$				
7								

Translation  $\langle i, j \rangle$

Translation  $\langle 3,1 \rangle$

Coefficient of  $x^{i-1} y^{j-1}$

Coefficient of  $x^2 y^0$

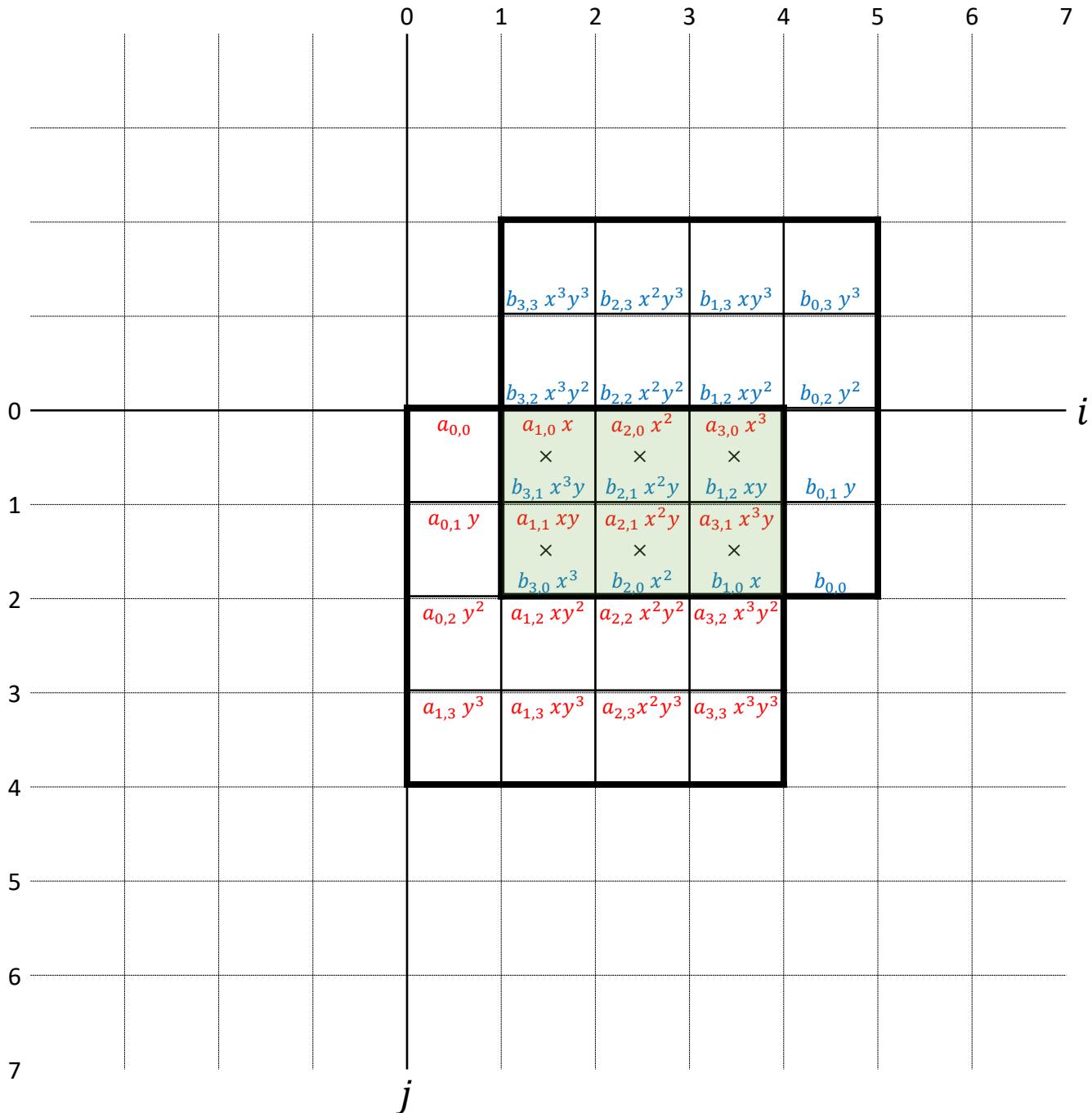


Translation  $\langle i, j \rangle$

Translation  $\langle 5, 1 \rangle$

Coefficient of  $x^{i-1} y^{j-1}$

Coefficient of  $x^4 y^0$

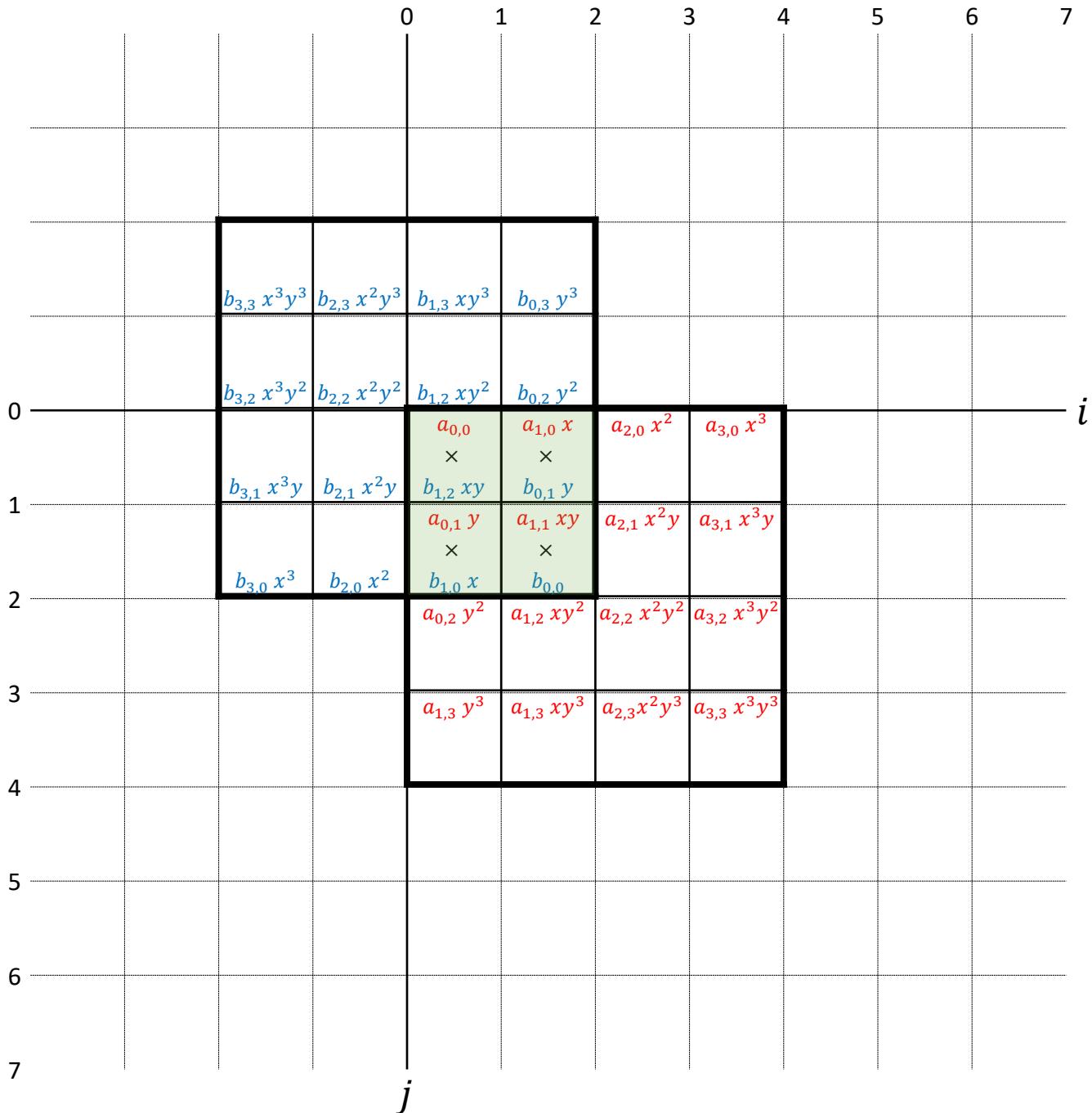


Translation  $\langle i, j \rangle$

Translation  $\langle 5, 2 \rangle$

Coefficient of  $x^{i-1} y^{j-1}$

Coefficient of  $x^4 y^1$

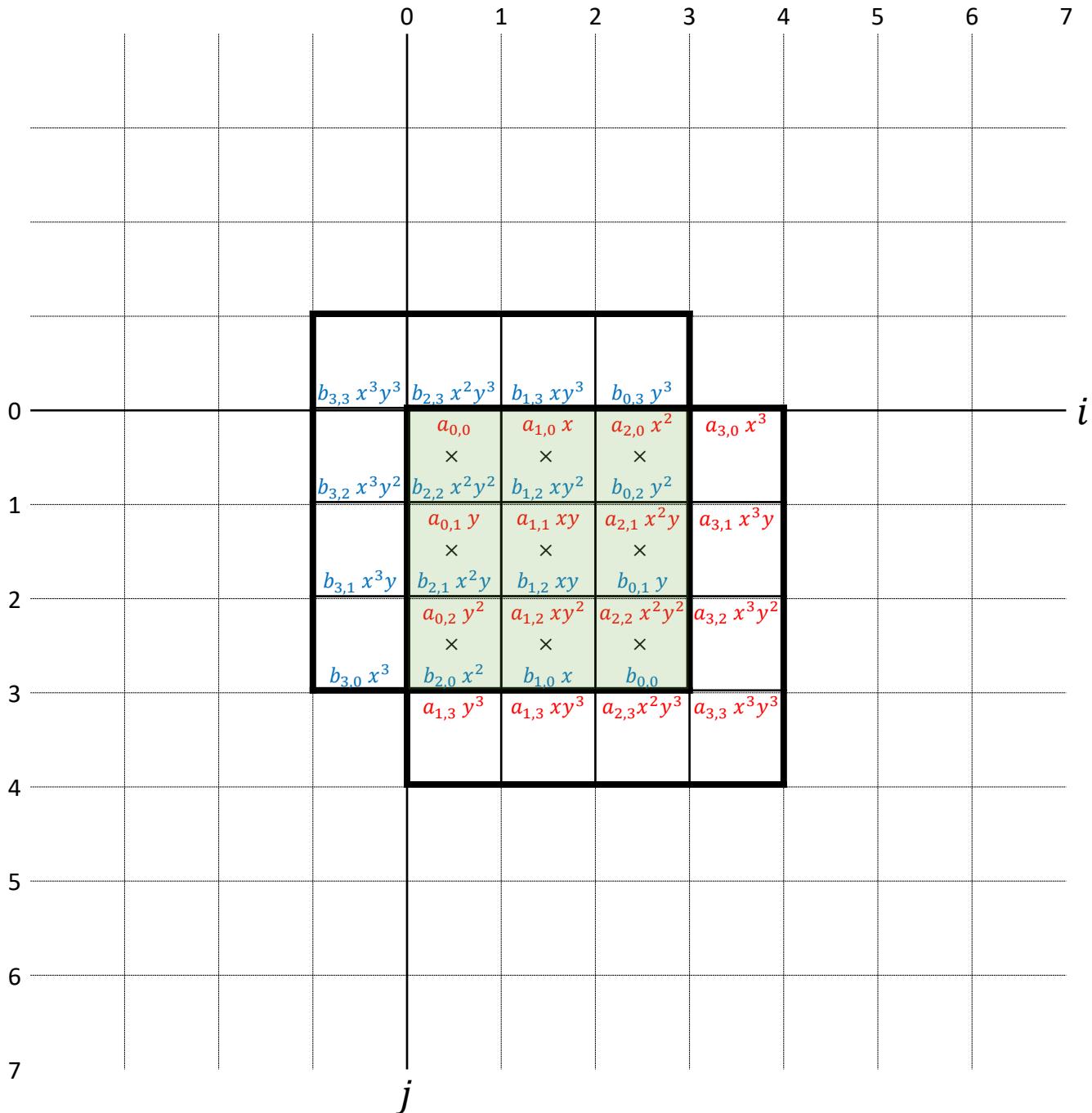


Translation  $\langle i, j \rangle$

Translation  $\langle 2, 2 \rangle$

Coefficient of  $x^{i-1} y^{j-1}$

Coefficient of  $x^1 y^1$

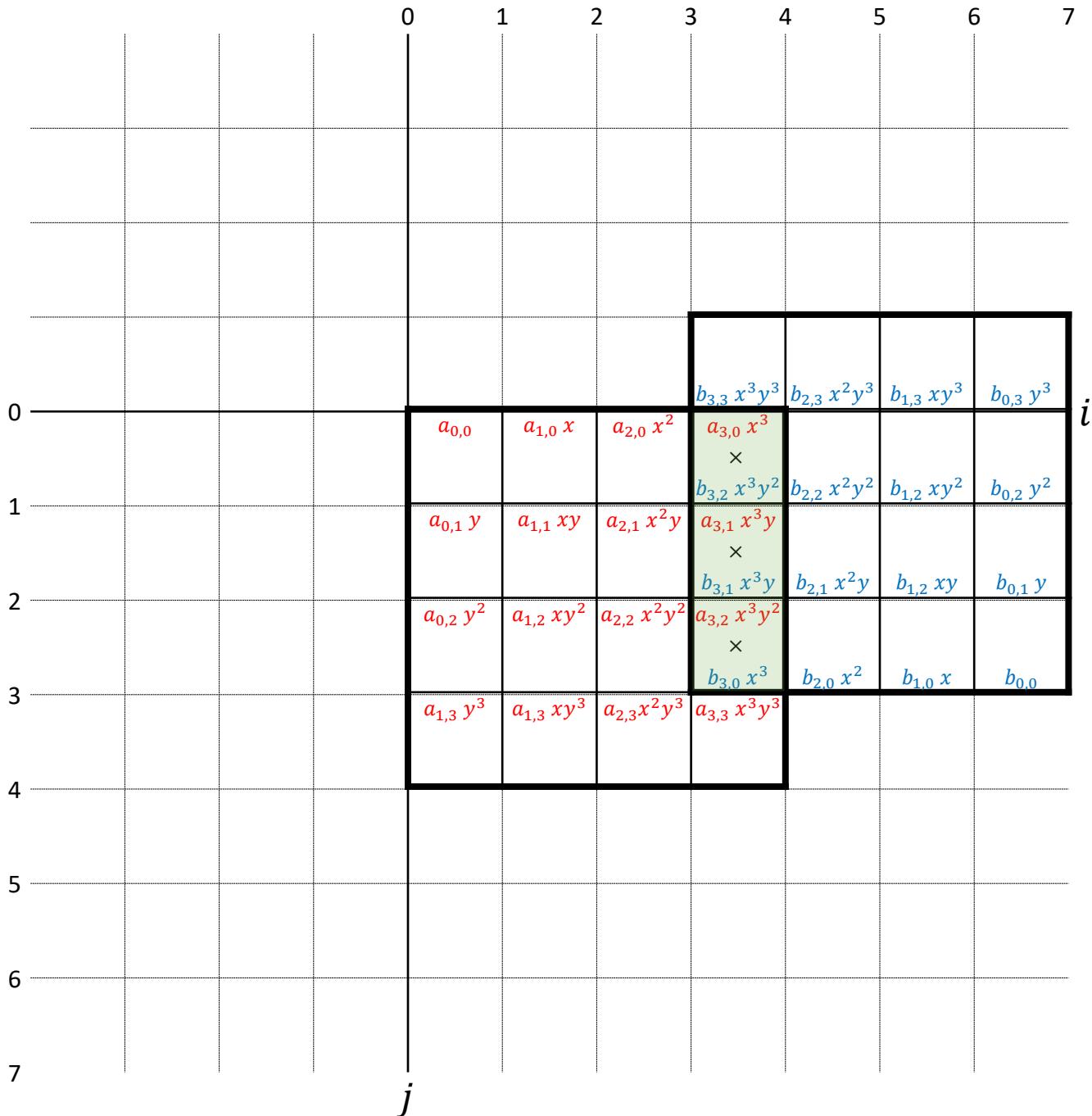


Translation  $\langle i, j \rangle$

Translation  $\langle 3, 3 \rangle$

Coefficient of  $x^{i-1} y^{j-1}$

Coefficient of  $x^2 y^2$

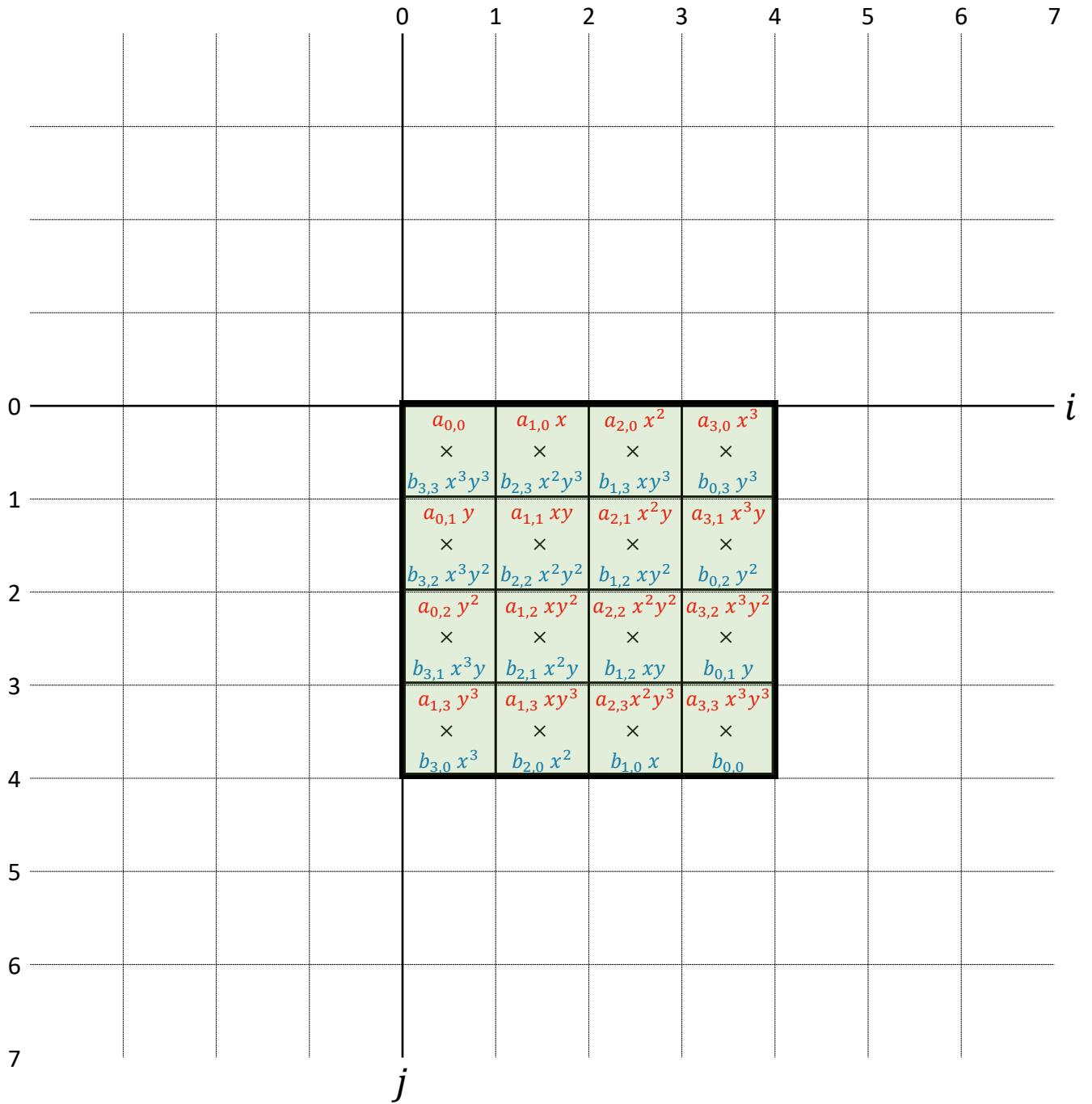


Translation  $\langle i, j \rangle$

Translation  $\langle 7, 3 \rangle$

Coefficient of  $x^{i-1}y^{j-1}$

Coefficient of  $x^6y^2$



Translation  $\langle i, j \rangle$

Translation  $\langle 4, 4 \rangle$

Coefficient of  $x^{i-1} y^{j-1}$

Coefficient of  $x^3 y^3$

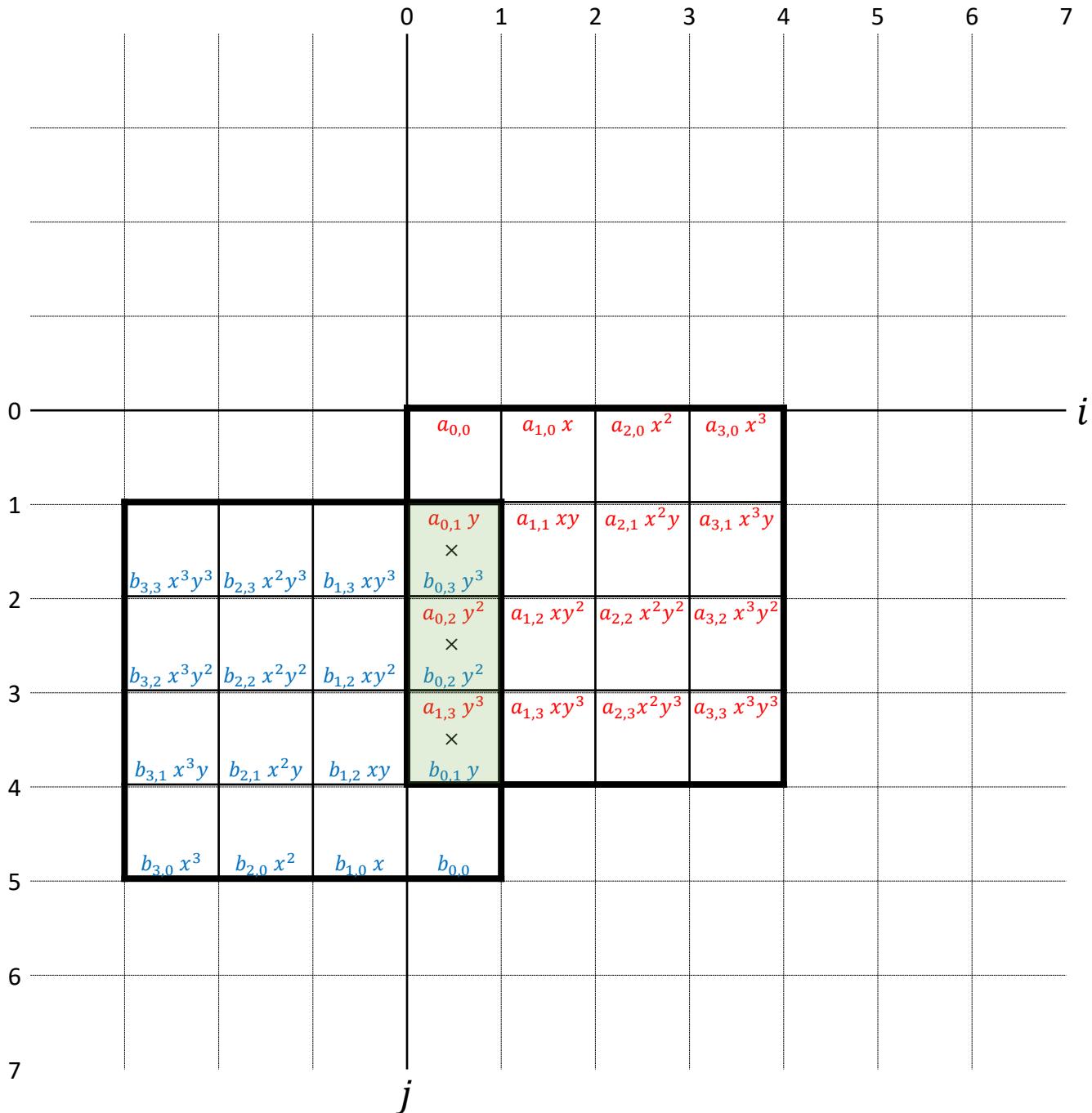
	0	1	2	3	4	5	6	7
0								
1	$b_{3,3} x^3 y^3$	$b_{2,3} x^2 y^3$	$b_{1,3} x y^3$	$a_{0,0}$ x $b_{0,3} y^3$	$a_{1,0} x$	$a_{2,0} x^2$	$a_{3,0} x^3$	
2	$b_{3,2} x^3 y^2$	$b_{2,2} x^2 y^2$	$b_{1,2} x y^2$	$a_{0,1} y$ x $b_{0,2} y^2$	$a_{1,1} x y$	$a_{2,1} x^2 y$	$a_{3,1} x^3 y$	
3	$b_{3,1} x^3 y$	$b_{2,1} x^2 y$	$b_{1,2} x y$	$a_{0,2} y^2$ x $b_{0,1} y$	$a_{1,2} x y^2$	$a_{2,2} x^2 y^2$	$a_{3,2} x^3 y^2$	
4	$b_{3,0} x^3$	$b_{2,0} x^2$	$b_{1,0} x$	$a_{1,3} y^3$ x $b_{0,0}$	$a_{1,3} x y^3$	$a_{2,3} x^2 y^3$	$a_{3,3} x^3 y^3$	
5								
6								
7								

Translation  $\langle i, j \rangle$

Translation  $\langle 1, 4 \rangle$

Coefficient of  $x^{i-1} y^{j-1}$

Coefficient of  $x^0 y^3$



Translation  $\langle i, j \rangle$

Translation  $\langle 1, 5 \rangle$

Coefficient of  $x^{i-1}y^{j-1}$

Coefficient of  $x^0y^4$

	0	1	2	3	4	5	6	7
0	$a_{0,0}$	$a_{1,0}x$	$a_{2,0}x^2$	$a_{3,0}x^3$				
1	$a_{0,1}y$	$a_{1,1}xy$	$a_{2,1}x^2y$	$a_{3,1}x^3y$				
2	$a_{0,2}y^2$	$a_{1,2}xy^2$	$a_{2,2}x^2y^2$	$a_{3,2}x^3y^2$				
3	$a_{1,3}y^3$	$a_{1,3}xy^3$	$a_{2,3}x^2y^3$	$a_{3,3}x^3y^3$				
4				$b_{3,3}x^3y^3$	$b_{2,3}x^2y^3$	$b_{1,3}xy^3$	$b_{0,3}y^3$	
5				$b_{3,2}x^3y^2$	$b_{2,2}x^2y^2$	$b_{1,2}xy^2$	$b_{0,2}y^2$	
6				$b_{3,1}x^3y$	$b_{2,1}x^2y$	$b_{1,2}xy$	$b_{0,1}y$	
7				$b_{3,0}x^3$	$b_{2,0}x^2$	$b_{1,0}x$	$b_{0,0}$	

Translation  $\langle i, j \rangle$

Translation  $\langle 7, 5 \rangle$

Coefficient of  $x^{i-1}y^{j-1}$

Coefficient of  $x^6y^4$

	0	1	2	3	4	5	6	7
0								
1								
2								
3								
4								
5								
6								
7								
i								
j								

Translation  $\langle i, j \rangle$

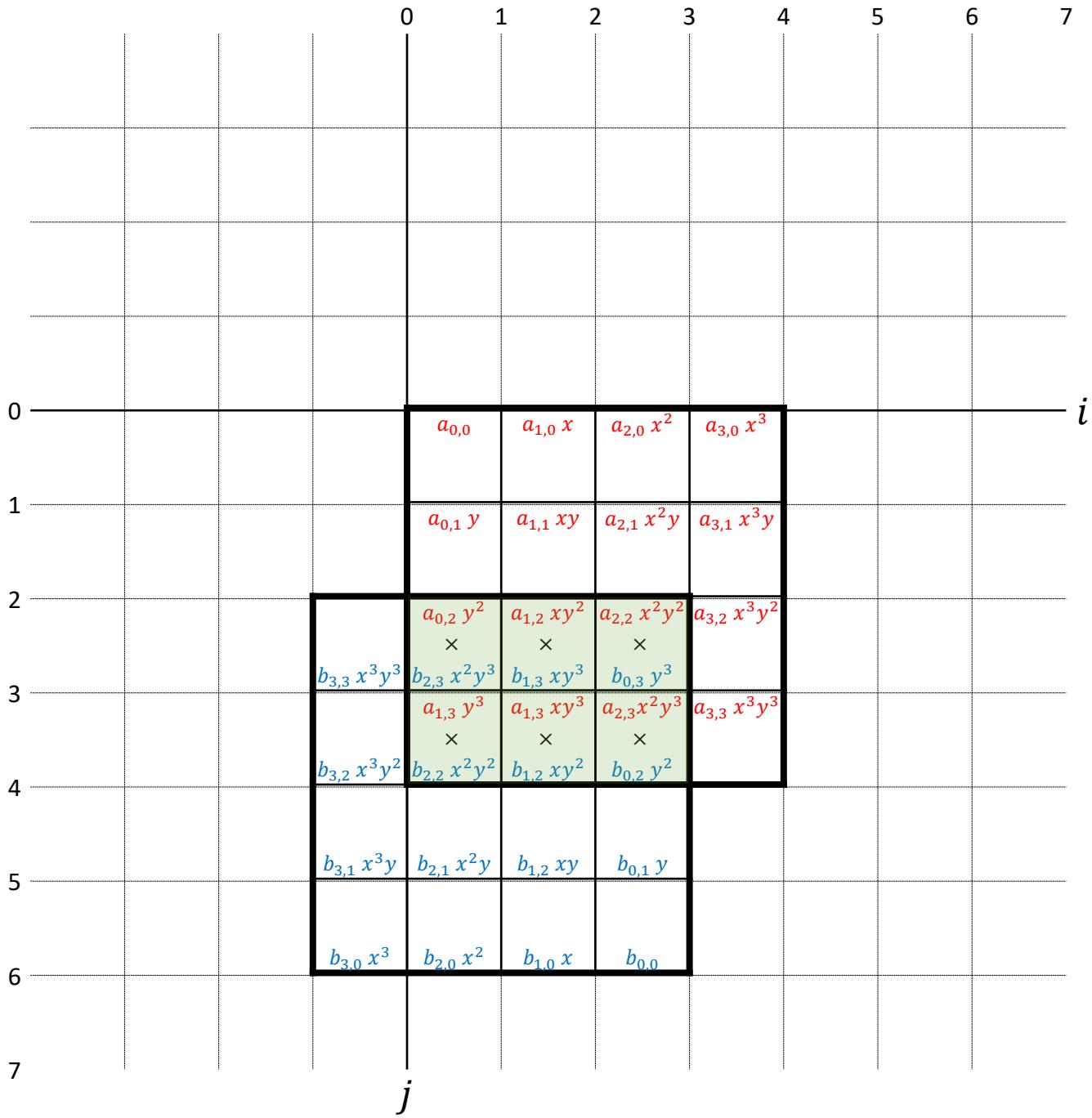
Translation  $\langle 7, 6 \rangle$

Coefficient of  $x^{i-1}y^{j-1}$

Coefficient of  $x^6y^5$

## Translation $\langle i, j \rangle$

## Translation ⟨3,6⟩



	0	1	2	3	4	5	6	7
0								
1								
2								
3								
4								
5								
6								
7								
i								
j								

Translation  $\langle i, j \rangle$

Translation  $\langle 2,7 \rangle$

Coefficient of  $x^{i-1}y^{j-1}$

Coefficient of  $x^1y^6$

	0	1	2	3	4	5	6	7
0								
1								
2								
3								
4								
5								
6								
7								
i								
j								

Translation  $\langle i, j \rangle$

Translation  $\langle 7,7 \rangle$

Coefficient of  $x^{i-1}y^{j-1}$

Coefficient of  $x^6y^6$