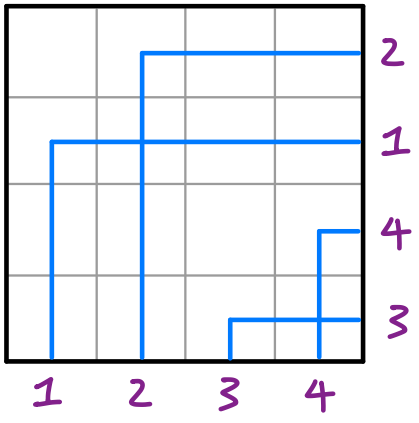
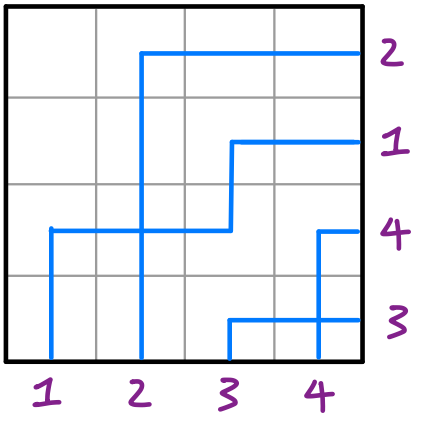
A positive combinatorial formula for the double Edelman-Greene coefficients

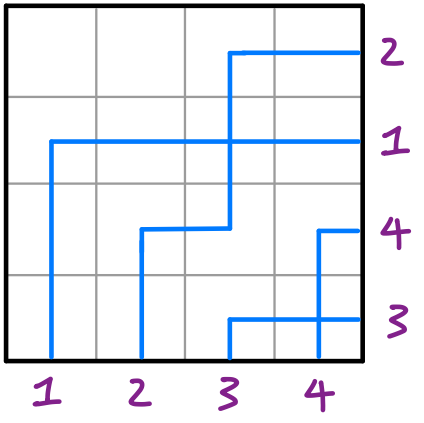
joint with Tianyi Yu

Jack Chou
(Minnesota)

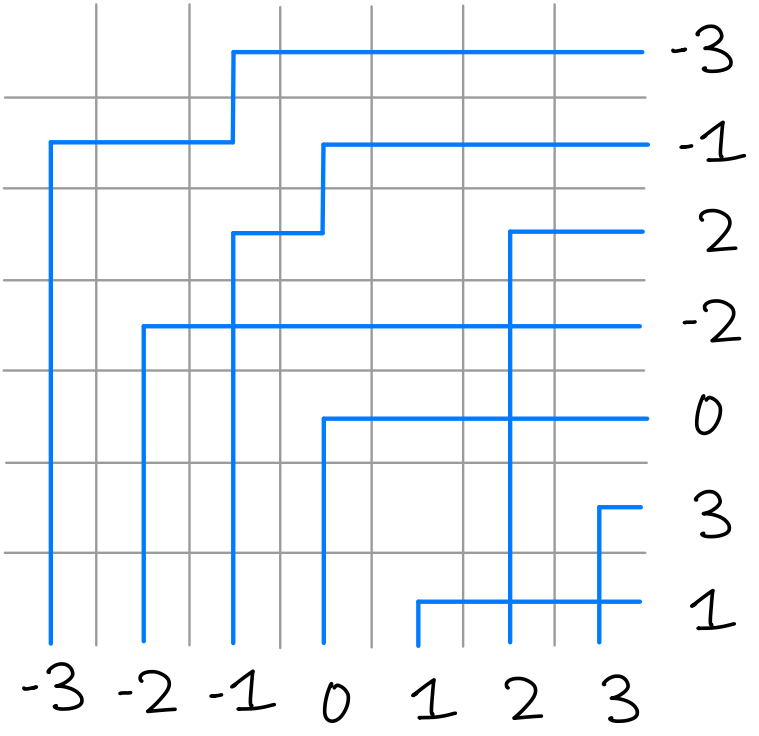
Algebraic Combinatorics and Applications



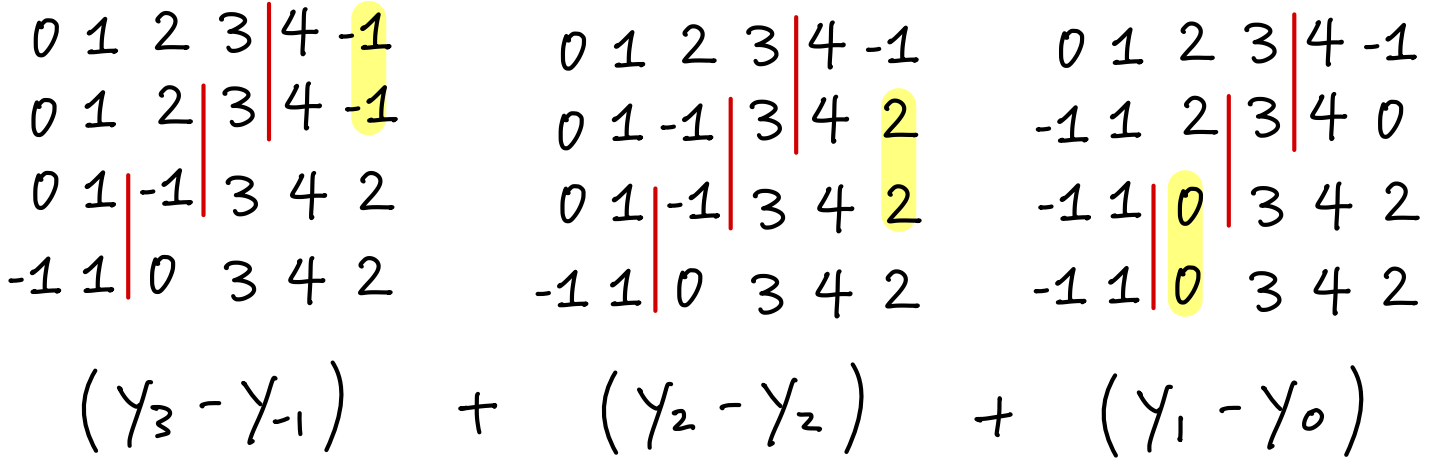




$$\mathfrak{S}_{2143} = (x_1-y_1)(x_3-y_3) + (x_1-y_1)(x_2-y_1) + (x_1-y_1)(x_1-y_2)$$



$$(x_{-3} - y_{-3})(x_{-3} - y_{-2})(x_{-1} - y_{-3})(x_{-1} - y_{1})(x_{2} - y_{1})$$


0 1 2 3 4 -1
0 1 2 3 4 -1
0 1 -1 3 4 2
-1 1 0 3 4 2
0 1 2 3 4 -1
0 1 -1 3 4 2
0 1 -1 3 4 2
-1 1 0 3 4 2
0 1 2 3 4 -1
-1 1 2 3 4 0
-1 1 0 3 4 2
-1 1 0 3 4 2
$(y_3 - y_{-1}) + (y_2 - y_2) + (y_1 - y_0)$