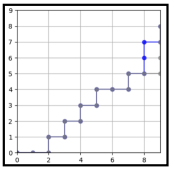
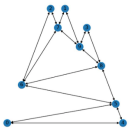
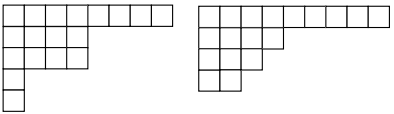
	Input		Output
Lattice paths		→	"The lattice path pair is a cover in the *Lagrange partial order*"
Weaving patterns	$\begin{bmatrix} 1 & 2 & 3 & 4 & 5 \\ 1 & 2 & 3 & 4 & 6 \\ 1 & 2 & 3 & 5 & 6 \\ 1 & 2 & 4 & 5 & 6 \\ 1 & 3 & 4 & 5 & 6 \\ 2 & 3 & 4 & 5 & 6 \end{bmatrix}$	→	"This matrix is a weaving pattern"
Cluster algebra quivers		→	"This corresponds to mutation equivalence class D_{10}"
S_n Characters		→	"The character $\chi^{(9,4,3,2)}_{(8,4,4,1,1)}$ is 0"
KL polynomials	$x = (1\ 3\ 2\ 4\ 5\ 7\ 6\ 8), \quad w = (3\ 4\ 1\ 2\ 7\ 8\ 5\ 6)$	→	"In $P_{x,w}(q)$ the coefficient on q^2 is 1"
RSK	$\begin{array}{\|c\|c\|c\|c\|}\hline 1&2&4&8\\\hline 3&5\\\cline{1-2} 6&7\\\cline{1-2}\end{array}$ $\begin{array}{\|c\|c\|c\|c\|}\hline 1&2&3&6\\\hline 4&7\\\cline{1-2} 5&8\\\cline{1-2}\end{array}$	→	"The permutation is (1 6 7 3 2 8 5 4)"
Grassmannian cluster algebras	$\begin{array}{\|c\|c\|c\|c\|}\hline 2&3&4&7\\\hline 3&5&6&8\\\hline 6&9&11&12\\\hline\end{array}$	→	"This semistandard Young tableaux indexes a cluster algebra"
Schubert structure constants	$\sigma = (1\ 2\ 4\ 3), \quad \nu = (1\ 4\ 3\ 2),$ $\mu = (1\ 5\ 3\ 2\ 4)$	→	"The structure constant $c^{\mu}_{\sigma,\nu}$ on S_μ in $S_\sigma \star S_\nu$ is 1"
mHeight function	$\sigma = (6\ 7\ 5\ 4\ 2\ 1\ 3)$	→	"The mHeight function is 2"