Start explanation for REU PROBLEM I (part 3) Maybe think about this for no more than a few days

Recall that for the Tamari version of the Cambrian lattice, flipping to a higher slope diagonal in $\operatorname{RTamari} = 0$ is equivalent to replacing diagonal (i, j) with another diagonal (i', j') i < j Such that i < i' (or j < j').



For other Q, the covering relation is described by replacing a diagonal with a higher-slope diagonal.



Motivation

There is a natural Q Tamori Cambrian lattice structure
on plabic graphs (a popular math concept with many applications)
which takes advantage of the description

"replacing diagonal (i, j) with another diagonal (i', j')such that i < i' (or j < j')."

 Giving a similar description for other Q Cambrian lattice would allow us to put a Q Cambrian lattice structure on generalized plabic graphs

Back-up plan for PROBLEM I part 3

- "Write a report about the realization of the Tamari lattice on plabic graphs (this result is not written yet, although known).
- · Connect to the realization of the Tamari lattice on other objects such as Young diagrams (that are not written yet, although known).

