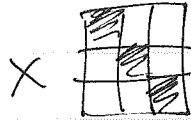
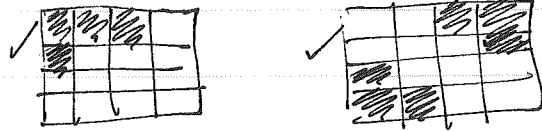


CP.S. 10/10/14 Joel Lewis

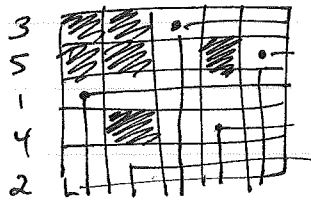
Given $B \subseteq \text{rectangle}$



Say B is SE-convex if $\begin{matrix} \square & \dots & \square \\ \vdots & & \vdots \\ \square & & \square \end{matrix} \in B \implies \begin{matrix} \square & - & \square \\ \vdots & & \vdots \\ \square & - & \square \end{matrix} \in B$

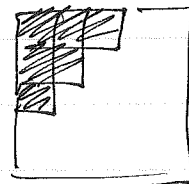
(above \checkmark means SE-convex
 \times mean not)

Permutation diagrams



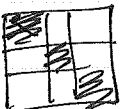
not SE-convex, but

rearrange
 \rightsquigarrow
 rows
 and columns

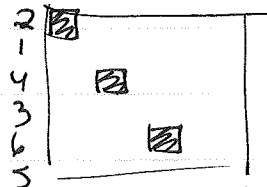


which is SE-convex

Q: For which w can the complement of the diagram of w be rearranged to something SE-convex?

OBSERVATION:  is not rearrangeable to something SE-convex.

Hence $w=214365$ is bad:



CONJ: Avoiding 214365 is necessary and sufficient.