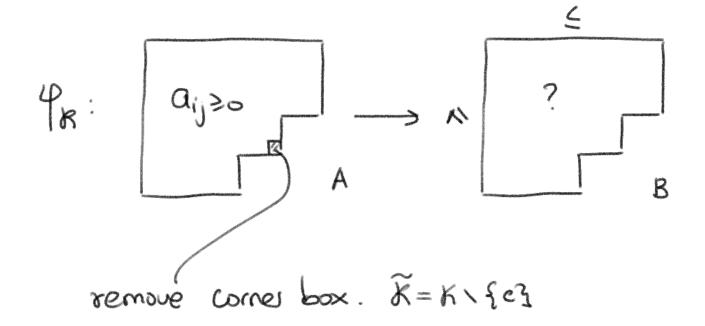
Induction on 121

Induction Step:



and let $\widetilde{A} = A$ without entry in the box c.

$$\begin{cases} a_{ij} \geq 0 & \text{if } A \\ \text{if } A \end{cases} \longrightarrow \begin{cases} a_{ij} \geq 0 & \text{if } A \\ \text{if } B \end{cases}$$

by induction, we have the map, let's explain

how to add: (k-15th diagonal th diagonal (k+1)th diagonal we have $\lambda_i \in [\max(\mu_{i+1}, \nu_{i+1}), \min(\mu_i, \nu_i)]$ max (µi+1, vi+1) min(µi,vi)

toggle operation:

$$\lambda_i^* = \min(\mu_i, \nu_i) + \max(\mu_{i+1}, \nu_i) - \lambda_i$$

and
$$\lambda_0^* = \max(\mu_1, \nu_1) + a$$

where a is the entry of A in corner box c.

Step B is obtained from B by replacing the diagonal $\lambda_1, \lambda_2, \ldots$ by $\lambda_0^*, \lambda_1^*, \lambda_2^*, \ldots$ D.