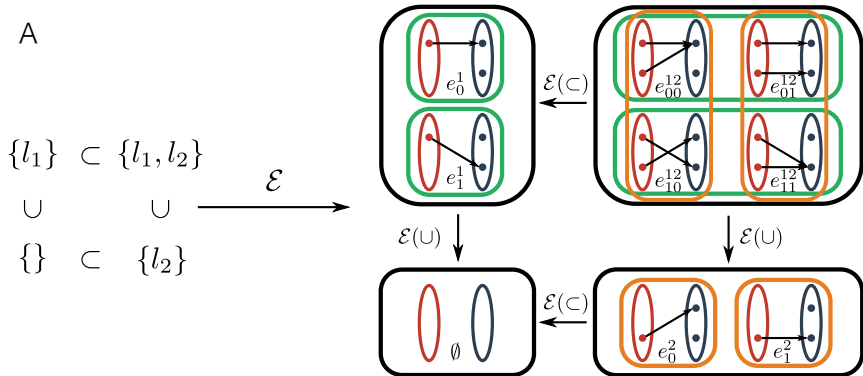


A



B

Diagram illustrating the mapping from a set partition  $\mathcal{G}$  to a matrix  $\mathbf{G}$ .

On the left, the set partition is given:

$$\mathcal{G} = \{\{l_1\}, \{l_2\}\}$$

This is mapped to the matrix  $\mathbf{G}$ :

$$\mathbf{G} = \begin{array}{c|cccc} & e_{00}^{12} & e_{01}^{12} & e_{10}^{12} & e_{11}^{12} \\ \hline e_0^1 & 1 & 1 & 0 & 0 \\ e_0^1 & 0 & 0 & 1 & 1 \\ e_0^1 & 1 & 0 & 1 & 0 \\ e_0^1 & 0 & 1 & 0 & 1 \end{array}$$