

$$\mathbf{mu}_{\mathcal{P}X} : \mathcal{P}(\mathcal{P}(\mathcal{P}X)) \longrightarrow \mathcal{P}(\mathcal{P}X)$$

$$\{\{\{a\}, \{b\}\}, \{\{c\}, \{d\}\}\} \longmapsto \{\{a\}, \{b\}, \{c\}, \{d\}\}$$