$$\frac{\begin{array}{c|c} 0 & \varepsilon\ast \\ \hline \ast & 0 \end{array}}{\begin{array}{c|c} 0 & \varepsilon\ast \\ \hline \ast & 0 \end{array}^{\ast}} = \sqcap \frac{\begin{array}{c|c} 0 & \varepsilon\ast \\ \hline \ast & 0 \end{array}}{\begin{array}{c|c} 0 & \varepsilon\ast \\ \hline \ast & 0 \end{array}^{\ast}} \sqcap = \frac{\begin{array}{c|c} \sqcap\ddagger\varepsilon + \sqcap & \sqcap\ddagger + \varepsilon\sqcap\ddagger\sqcap \\ \hline \sqcap\ddagger + \varepsilon\sqcap & \sqcap\ddagger\sqcap\ddagger\sqcap \end{array}}{\begin{array}{c|c} \sqcap\ddagger\sqcap\ddagger\varepsilon + \sqcap & \sqcap\ddagger + \varepsilon\sqcap\ddagger\sqcap \\ \hline \sqcap\ddagger\sqcap + \varepsilon\sqcap & \sqcap\ddagger\sqcap\ddagger\sqcap \end{array}} \qquad = \qquad \begin{Bmatrix} \mathbb{K}_{2n}^{\cup/\subset} & \mathrm{J}\times\mathrm{J}|\cup/\subset \\ \mathbb{K}_{n}^{\varepsilon/\mathfrak{E}} & \mathrm{J}\overset{\varepsilon/\mathfrak{E}}{\underset{0}{\triangle}}\mathrm{J}|\overset{\omega}{\subset} \end{Bmatrix} \xrightarrow{\ \ltimes\ } \begin{Bmatrix} \mathbb{K}_{n}^{\varepsilon/\mathfrak{E}} & \mathrm{J}\overset{\varepsilon/\mathfrak{E}}{\underset{0}{\triangle}}\mathrm{J}|\overset{\omega}{\subset} \\ \mathbb{K}_{n}^{\varepsilon/\mathfrak{E}} & \mathrm{J}\overset{\varepsilon/\mathfrak{E}}{\underset{0}{\triangle}}\mathrm{J}|\overset{\omega}{\subset} \end{Bmatrix}$$

$$\frac{\begin{array}{c|c} \mathrm{J} & \mathrm{J} \\ \hline \mathrm{J} & \mathrm{J} \end{array}}{\mathrm{J}+\mathrm{J}\varepsilon+\mathrm{J}\ddagger=0=\varepsilon\mathrm{J}+\mathrm{J}\ddagger} \qquad = \qquad \begin{Bmatrix} \mathbb{K}_{2n}^{\mathfrak{G}/\mathfrak{H}} & \mathrm{J}\times\mathrm{J}|\mathfrak{H}/\mathfrak{E} \\ \mathbb{K}_{n}^{\varepsilon/\mathfrak{E}} & \mathrm{J}\overset{\varepsilon/\mathfrak{E}}{\underset{0}{\triangle}}\mathrm{J}|\overset{\omega}{\mathfrak{B}} \end{Bmatrix} \xrightarrow{\ \ltimes\ } \begin{Bmatrix} \mathbb{K}_{n}^{\varepsilon/\mathfrak{E}} & \mathrm{J}\overset{\varepsilon/\mathfrak{E}}{\underset{0}{\triangle}}\mathrm{J}|\overset{\omega}{\mathfrak{B}} \\ \mathbb{K}_{n}^{\varepsilon/\mathfrak{E}} & \mathrm{J}\overset{\varepsilon/\mathfrak{E}}{\underset{0}{\triangle}}\mathrm{J}|\overset{\omega}{\mathfrak{B}} \end{Bmatrix}$$

$$\mathrm{J}\ltimes\frac{\begin{array}{c|c} \mathrm{J} & \mathrm{J} \\ \hline \mathrm{J} & \mathrm{J} \end{array}}{} = \overbrace{\mathrm{J}+\mathrm{J}\mathrm{J}}^{-1}\underbrace{\mathrm{J}\mathrm{J}+\mathrm{J}}$$

$$\underbrace{\mathrm{J}\mathrm{J}\mathrm{J}}\mathrm{J}=\mathrm{J}\underbrace{\mathrm{J}\mathrm{J}\mathrm{J}}$$

$$\ltimes\frac{\begin{array}{c|c} \mathrm{J} & \mathrm{J} \\ \hline \mathrm{J} & \mathrm{J}\ddagger- \end{array}}{} := \underbrace{\mathrm{J}\mathrm{J}+\mathrm{J}+\mathrm{J}\mathrm{J}\mathrm{J}-\mathrm{J}\ddagger}\frac{\partial}{\partial\mathrm{J}}$$

$$\begin{Bmatrix} \mathbb{K}_{2n}^{\cup/\subset} \cup \mathbb{K}_{n:n}^{\cup} & \mathrm{J}:\mathrm{J}|\cap\cup\mathrm{J}\times\mathrm{J}|\cup/\subset \\ \mathbb{K}_{2n}^{\cup/\subset} \cup \mathbb{K}_{n:n}^{\cup} & \mathrm{J}:\mathrm{J}|\cap\cup\mathrm{J}\times\mathrm{J}|\cup/\subset \end{Bmatrix} \xrightarrow{\ \ltimes\ } \begin{Bmatrix} \mathbb{K}_{n}^{\varepsilon/\mathfrak{E}} & \mathrm{J}\overset{\varepsilon/\mathfrak{E}}{\underset{0}{\triangle}}\mathrm{J}|\overset{\omega}{\dot{\cap}} \\ \mathbb{K}_{n}^{\varepsilon/\mathfrak{E}} & \mathrm{J}\overset{\varepsilon/\mathfrak{E}}{\underset{0}{\triangle}}\mathrm{J}|\overset{\omega}{\dot{\cap}} \end{Bmatrix}$$

$$\begin{Bmatrix} \mathbb{K}_{2n}^{\mathfrak{G}/\mathfrak{H}} \cup \mathbb{K}_{n:n}^{\mathfrak{A}} & \mathrm{J}:\mathrm{J}|\mathfrak{A}\cup\mathrm{J}\times\mathrm{J}|\mathfrak{H}/\mathfrak{E} \\ \mathbb{K}_{2n}^{\mathfrak{G}/\mathfrak{H}} \cup \mathbb{K}_{n:n}^{\mathfrak{A}} & \mathrm{J}:\mathrm{J}|\mathfrak{A}\cup\mathrm{J}\times\mathrm{J}|\mathfrak{H}/\mathfrak{E} \end{Bmatrix} \xrightarrow{\ \ltimes\ } \begin{Bmatrix} \mathbb{K}_{n}^{\varepsilon/\mathfrak{E}} & \mathrm{J}\overset{\varepsilon/\mathfrak{E}}{\underset{0}{\triangle}}\mathrm{J}|\overset{\omega}{\dot{\mathfrak{A}}} \\ \mathbb{K}_{n}^{\varepsilon/\mathfrak{E}} & \mathrm{J}\overset{\varepsilon/\mathfrak{E}}{\underset{0}{\triangle}}\mathrm{J}|\overset{\omega}{\dot{\mathfrak{A}}} \end{Bmatrix}$$

$$\ltimes\frac{\begin{array}{c|c} \mathrm{J} & \mathrm{J} \\ \hline \mathrm{J} & \mathrm{J}\ddagger- \end{array}}{\begin{array}{c|c} \mathrm{J} & \mathrm{J}\varkappa- \\ \hline -\varkappa\mathrm{J}^{*} & \mathrm{J}\mathrm{J}\ddagger \end{array}} = \underbrace{\mathrm{J}\mathrm{J}+\mathrm{J}+\mathrm{J}\mathrm{J}^{*}\mathrm{J}\varkappa+\mathrm{J}\ddagger}\partial_{\mathrm{J}^{2}}$$