$$e = \left(\sqrt{2} : 0 \right) \in \begin{Bmatrix} \mathbb{K} \overset{\mathbb{V}}{\times} H \\ \mathbb{V}_{\mathbb{K}^{1+m}} \end{Bmatrix} = \frac{(\eta : h) \in \begin{Bmatrix} \mathbb{K} \times H \\ \mathbb{K}^{1+m} \end{Bmatrix}}{\left[1 \quad \eta \quad h \quad -\frac{\eta^2 + h \overset{t}{h}}{2} \right] \left[\begin{array}{cc|cc} 0 & 0 & 0 & -1 \\ 0 & 1 & 0 & 0 \\ \hline 0 & 0 & -1 & 0 \\ 1 & 0 & 0 & 0 \end{array} \right] \begin{bmatrix} 1 \\ \eta^* \\ h^* \\ -\frac{\overset{*}{\eta}^2 + \bar{h} \overset{*}{h}}{2} \end{bmatrix} = \eta \overset{*}{\eta} - h \overset{*}{h} + \Re \left(\eta^2 + h \overset{t}{h} \right) > 0}$$

$$(\eta : h) \; S_e = (\eta : h) \; \operatorname{Int} \; \mathbb{V} = \frac{2 \left(\eta : - h \right)}{\eta^2 + h \overset{t}{h}}$$