

$$\begin{array}{c}
 \Delta \vdash_v e_1 : \text{bool} \quad \Delta \vdash_v e_2 : \text{bool} \\
 \hline
 \mathcal{ES}_4 : \quad \Delta \vdash_v e_1 \text{ *or* } e_2 : \text{bool}
 \end{array}$$