(1) $\emptyset \vdash (A \vee A) \supset A$

$$\boxed{(A \vee A) \supset A, 0\ominus}$$
$$0\mathcal{R}0$$
$$\boxed{\neg((A \vee A) \supset A), 0\oplus}$$
$$\boxed{\neg(A \vee A), 0\ominus}$$
$$A, 0\ominus$$
$$\boxed{A \vee A, 0\oplus}$$

$$A, 0\oplus \qquad A, 0\oplus$$
$$\otimes \qquad\quad \otimes$$