$\neg\Box$A, i

$\downarrow$

$\Diamond\neg$A, i

$\neg\Diamond$A, i

$\downarrow$

$\Box\neg$A, i

Both need to be true $\begin{cases}\Box A, i \\ iRj\end{cases}$

$\downarrow$

A, j

$\Diamond$A, i

$\downarrow$

j has to be new $\begin{cases}iRj \\ A, j\end{cases}$

$(A \supset B),i$

$\neg A,i \qquad B,i$

$(A \vee B),i$

$A,i \qquad B,i$

$\neg(A \wedge B),i$

$\neg A,i \qquad \neg B,i$

$\neg(A \supset B),i$

$\downarrow$

A,i

$\neg B,i$

$\neg(A \vee B),i$

$\neg A,i$

$\neg B,i$

$(A \equiv B),i$

$A,i \qquad \neg A,i$

$B,i \qquad \neg B,i$

$(\neg\neg A),i$

A,i

$(A \wedge B),i$

A,i

B,i

$\neg(A \equiv B),i$

$\neg A,i \qquad A,i$

$B,i \qquad \neg B,i$