$\neg\Box$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

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

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

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

ρ (rho), reflexivity: for all w, wRw.
σ (sigma), symmetry: for all w1 , w2 , if w1Rw2 , then w2Rw1.
τ (tau), transitivity: for all w1, w2, w3, if w1Rw2 and w2Rw3, then w1Rw3
η (eta), extendability: for all w1, there is a w2 such that w1Rw2.

$$\begin{array}{c}\rho\\ \bullet\\ \downarrow\\ iRi\end{array} \qquad \begin{array}{c}\tau\\ irj\\ jRk\\ \downarrow\\ iRk\end{array}$$

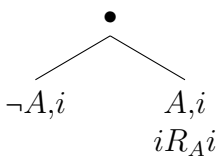
$$\begin{array}{c}\sigma\\ iRj\\ \downarrow\\ jRi\end{array} \qquad \begin{array}{c}\eta\\ \bullet\\ \downarrow\\ iRj\end{array}$$

Tableaux Rules for C

$$\begin{array}{c}\text{A} > \text{B, i}\\ \text{iR}_\text{A}\text{j}\\ \downarrow\\ \text{B, j}\end{array} \qquad \begin{array}{c}\neg(\text{A} > \text{B}), \text{i}\\ \downarrow\\ \text{j has to be new} \begin{cases} iR_Aj \\ \neg B, j \end{cases}\end{array}$$

Tableaux Rules for C+

$$\begin{array}{c}\neg(\text{A} > \text{B}), \text{i}\\ \downarrow\\ \text{j has to be new} \begin{cases} iR_Aj \\ A, j \\ \neg B, j \end{cases}\end{array}$$



Strict Conditional
A $\dashv\!\!\supset$ B $\leftrightarrow \Box$(A $\supset$ B)

K3, L3, LP, RM3

K3 - designated truth value = 1
i=neither true nor false

⊃	1	i	0
1	1	i	0
i	1	i	i
0	1	1	1

L3 - designated truth value = 1
i=neither true nor false

⊃	1	i	0
1	1	i	0
i	1	1	i
0	1	1	1

LP - designated truth values = 1, i
i=both true and false

⊃	1	i	0
1	1	i	0
i	1	i	i
0	1	1	1

RM3 - designated truth values = 1, i
i=both true and false

⊃	1	i	0
1	1	0	0
i	1	i	0
0	1	1	1