

$$\Leftrightarrow \left(\bigvee \left\{ \left(\bigwedge \left\{ \left(\bigvee \left\{ \left(\bigwedge \left\{ \begin{array}{l} a=c \\ b=c \end{array} \right\} \right\} \right\} \right\} \right\} \right\} \right\} \right)$$

$$\Leftrightarrow \left(\bigvee \left\{ \left(\bigvee \left\{ \left(\bigwedge \left\{ \begin{array}{l} a=c \\ b=c \\ a=d \end{array} \right\} \right\} \right\} \right\} \right\} \right)$$

$$\Leftrightarrow \left(\bigvee \left\{ \left(\bigvee \left\{ \left(\bigwedge \left\{ \begin{array}{l} a=c \\ b=c \\ c=d \end{array} \right\} \right\} \right\} \right\} \right\} \right)$$

$$\Leftrightarrow \left(\bigvee \left\{ \left(\bigvee \left\{ \left(\bigwedge \left\{ \begin{array}{l} a=c \\ b=c \\ c=d \\ a=d \end{array} \right\} \right\} \right\} \right\} \right\} \right)$$

$$\Leftrightarrow \left(\bigvee \left\{ \left(\bigwedge \left\{ \begin{array}{l} a=c \\ b=c \\ a=c \\ c=d \end{array} \right\} \right\} \right\} \right)$$

$$\Leftrightarrow \left(\bigvee \left\{ \left(\bigwedge \left\{ \begin{array}{l} a=c \\ b=d \\ a=d \\ b=c \end{array} \right\} \right\} \right\} \right)$$