

$$\begin{array}{lcl}
 (\neg x, \neg y) \wedge & (1 - x) + (1 - y) = 1 & x + y = 1 \\
 (\neg y, z) \wedge & (1 - y) + z = 1 & z - y = 0 \\
 (x, z) & x + z = 1 & x + z = 1
 \end{array}
 \Leftrightarrow$$

is satisfied