$$V_{1,1} = \bigwedge_{i=1}^{3} V_{1i,1}$$

$$V_{1,2} = \left(V_{1,1} \wedge \left(\bigwedge_{i=1}^{3} V_{1i,1} \right) \right) \vee \left(\neg V_{1,1} \wedge \left(\bigwedge_{i=1}^{3} (V_{1i,1} \vee V_{1i,2}) \right) \right)$$

$$V_{1,3} = \left(V_{1,1} \wedge V_{1,2} \wedge \left(\bigwedge_{i=1}^{3} V_{1i,3} \right) \right) \vee \left(V_{1,1} \wedge \neg V_{1,2} \wedge \left(\bigwedge_{i=1}^{3} (V_{1i,2} \vee V_{1i,3}) \right) \right) \vee$$

$$\left(\neg V_{1,1} \wedge V_{1,2} \wedge \left(\bigwedge_{i=1}^{3} (V_{1i,1} \vee \neg V_{1i,2} \vee V_{1i,3}) \right) \right) \vee \left(\neg V_{1,1} \wedge \neg V_{1,2} \wedge \left(\bigwedge_{i=1}^{3} (V_{1i,1} \vee V_{1i,2} \vee V_{1i,3}) \right) \right)$$