

$$F_{\neg w_{21}}$$

$$\neg w_{21}$$

$$\neg w_{12} \wedge s_{13} \wedge s_{22}$$

$$F_{w_{12}}$$

$$\neg s_{13}$$

$$\neg s_{22}$$

$$\neg s_{13} \leftrightarrow w_{12} \vee w_{23}$$

$$\neg s_{13}$$

$$F_{s_{13}}$$

$$\neg w_{12} \vee w_{23}$$

$$\neg w_{12}$$

$$\neg w_{23}$$

$$\neg w_{23} \rightarrow \neg w_{21} \wedge \neg w_{32}$$

$$\neg \neg w_{21} \wedge \neg w_{32}$$

$$F_{w_{23}}$$

$$F_{w_{21}}$$