$$Y^{v}(0) \equiv X^{\mathrm{pa}(v)} \qquad Y^{v}(t) \longrightarrow X^{v} \equiv Y^{v}(d_{v})$$

$$Y^{v}(0) \equiv \omega^{v} \qquad \qquad \downarrow 0$$

$$Y^{w}(t) \longrightarrow U$$

$$W \longrightarrow U$$