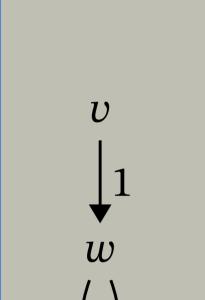$\mathcal{G}_1 + \mathcal{G}_2$

v

$q \xrightarrow{10} r \; \overset{11}{\underset{12}{\rightleftarrows}} \; s \xrightarrow{13} t$

$v \xrightarrow{1} w$

u

$w \overset{2}{\underset{}{\searrow}} \overset{3}{\underset{}{\swarrow}} x$