



$$S'_1 = \{S_1, S_2\} \quad \mathcal{D}'_1 = \{d_2, d_3\}$$

$$S'_2 = \{S_2\} \quad \mathcal{D}'_2 = \{d_3, d_4\}$$

$$S'_3 = \{S_3\} \quad \mathcal{D}'_3 = \{d_1\}$$

$$v(\mathcal{G}) = \begin{array}{|c|c|c|} \hline 3 & 1 & 0 \\ \hline \end{array}$$