

$$\mathcal{L}_G(u, v) = \left\{ \begin{array}{ll} 1 & : \text{if } u = v \text{ and } d_v \neq 0, \\ \frac{-1}{\sqrt{d_u d_v}} & : \text{if } u \text{ and } v \text{ are adjacent,} \\ 0 & : \text{otherwise.} \end{array} \right\}$$