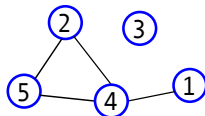
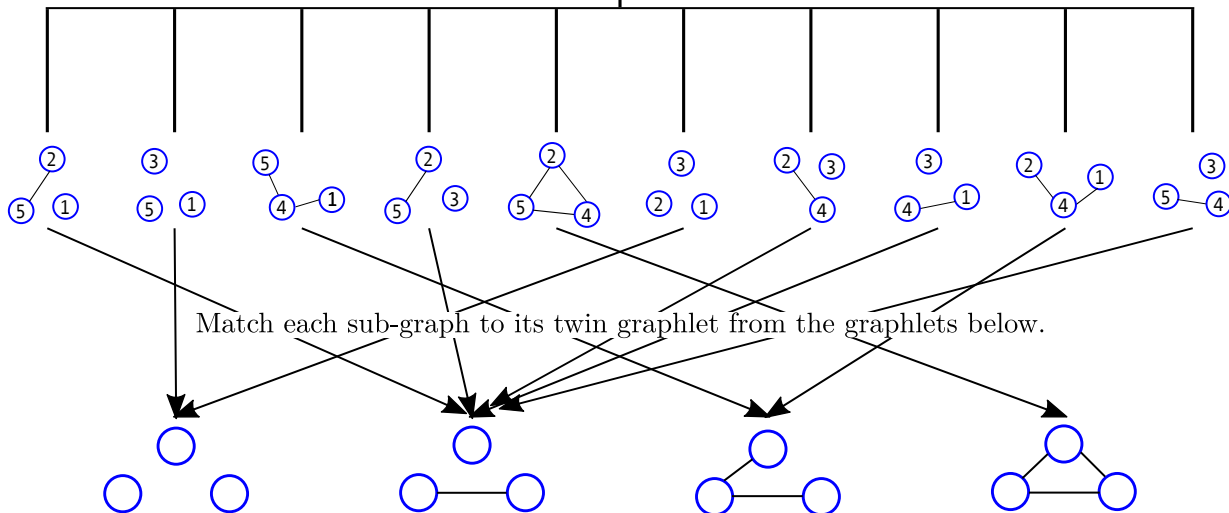


A graph \mathcal{G} from the dataset.



Enumerate all sub-graphs of size $k = 3$ in \mathcal{G} .



Match each sub-graph to its twin graphlet from the graphlets below.

$$\mathbf{f}_{\mathcal{G}} = \frac{1}{10} * \begin{bmatrix} 2 & 5 & 2 & 1 \end{bmatrix}$$

The **probability mass function $\mathbf{f}_{\mathcal{G}}$** is the representation vector of \mathcal{G} .