Text, letter

Description automatically generated

Text, letter

Description automatically generated

The computational challenges in graph matching arise because of the repetition in node labels. In general, greater the level of label repetition in each graph is, larger the number of possible matchings will be. The number of possible matchings between a pair of graphs increases exponentially with the size of the matched graphs. For a pair of graphs containing *n* nodes each, the number of possible matchings can be as large as *n!*

*Text

Description automatically generated*

A picture containing text, newspaper, screenshot

Description automatically generated

Text

Description automatically generated