\[ S_n = \text{the star with } n \text{ vertices} \\
K_n = \text{the complete graph with } n \text{ vertices} \\
C_n = \text{the cycle on } n \text{ vertices} \\
E_n = \text{the empty graph on } n \text{ vertices} \\
W_n = \text{the wheel on } n \text{ vertices} \\
P_n = \text{the path on } n \text{ vertices} \\
K_{n,m} = \text{the complete bipartite graph with bipartitions of order } n, m \]

\[ \alpha = \text{the independence number} \]
\[ \alpha' = \text{the matching number} \]
\[ \beta = \text{the domination number} \]
\[ B = \text{the vertex covering number} \]
\[ \omega = \text{the clique number} \]
\[ \chi = \text{the chromatic number} \]