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Some Turan and anti-Ramsey numbers
Let $G$ be a graph obtained by adding a chord to a cycle, and let $C(G)$ be the set of cycles which are subgraphs of $G$. Here we study the relation between ex $(n, C(G))$ and $f(n, G)$, where $\operatorname{ex}(n, C(G))$ is the maximum number of edges of a graph on $n$ vertices with no subgraph isomorphic to an element of $C(G)$; and $f(n, G)$ is the minimum integer $k$ such that for every edge-coloring of the complete graph of order $n$ which uses exactly $k$ colors, there is at least one copy of $G$ all whose edges have different colors.
In particular we show that if $G$ is the diamond ( $C_{4}$ with a chord), then

$$
\operatorname{ex}\left(n,\left\{C_{3}, C_{4}\right\}\right)+2 \leq f(n, G) \leq \operatorname{ex}\left(n,\left\{C_{3}, C_{4}\right\}\right)+(n+1)
$$

