MAJORITY COLORING OF GRAPHS: THEORETICAL INSIGHTS AND PRACTICAL APPLICATION

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Let $G = (V, E)$ be a simple, undirected graph and map $c : V \to C$ a coloring, where C is a set of colors. **Majority coloring** is such coloring that every $v \in V$ has at most $\frac{1}{2}deg(v)$ neighbours coloured $c(v)$. In this poster I show significant definitions and theorems regarding vertex majority coloring. Additionally, putting this theoretical concept into practice is discussed.