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**Chromatic equivalence classes of certain generalized polygon trees. III.** (English)

[Zbl 1021.05035](#)

Discrete Math. 271, No. 1-3, 223-234 (2003).

Summary: Let  $P(G)$  denote the chromatic polynomial of a graph  $G$ . Two graphs  $G$  and  $H$  are chromatically equivalent, if  $P(G) = P(H)$ . A set of graphs  $\mathcal{S}$  is called a chromatic equivalence class if any graph  $H$  that is chromatically equivalent with a graph  $G$  in  $\mathcal{S}$ , also belongs to  $\mathcal{S}$ . In Part I *Y.-H. Peng et al.* [Discrete Math. 172, 103-114 (1997; [Zbl 0883.05058](#))] studied the chromatic equivalence classes of certain generalized polygon trees. In this Part III, we continue that study and present a solution to Problem 2 in *K. M. Koh and K. L. Teo* [Discrete Math. 172, 59-78 (1997; [Zbl 0879.05031](#))]. Part II has been submitted for publication.

**MSC:**

**05C15** Coloring of graphs and hypergraphs

Cited in 1 Document

**Full Text:** [DOI](#)

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