

The Saturation Number of Pineapples

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Given a fixed graph F , a graph G is said to be F -saturated if it contains no copy of F and the addition of any edge creates a copy of F . The minimum number of edges that an F -saturated graph on n vertices can have is the saturation number of F . We determine the saturation numbers for a class of graphs called pineapples, denoted $\Pi_{s,t}$, formed by taking a complete graph K_t and adding s pendant edges to one of its vertices.

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