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Combinatorial identities on multinomial coefficients and graph theory. (English)
Zbl 1435.05107

Summary: We study combinatorial identities on multinomial coefficients. In particular, we present several new ways to count the connected labeled graphs using multinomial coefficients.

MSC:
05C30 Enumeration in graph theory
05C78 Graph labelling (graceful graphs, bandwidth, etc.)
05C40 Connectivity

Keywords: multinomial coefficients; labeled graphs; connected graphs

Full Text: Link