

Realizability of n -vertex graphs with prescribed vertex and edge connectivity and minimum and maximum degree III

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In this paper we conclude our investigation of the question for which n is there a graph G on n vertices with prescribed vertex and edge connectivity and with prescribed minimum and maximum degree. In previous papers the cases for which $\kappa + \Delta \geq \lambda + \delta$ and for $\kappa + \Delta < \lambda + \delta$ with $\lambda < \delta$ were settled and in this paper we present the case for which $\kappa + \Delta < \lambda + \delta$ with $\lambda = \delta$.

Key words: vertex connectivity, edge connectivity, realizable, minimum degree, maximum degree