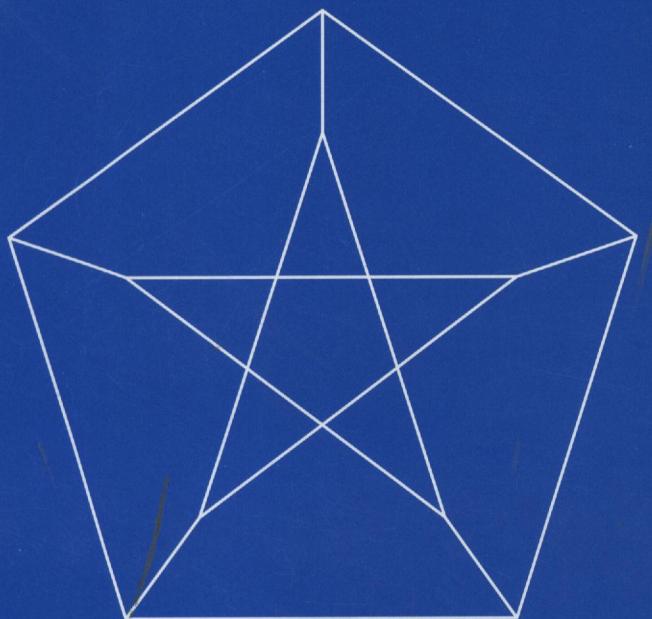


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DISCRETE MATHEMATICS

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Communication
and simple graphsLet n be a positive integer and G be a graph with $n \geq 2n+2$. G is said to be *1-choosable* if for every assignment of lists of size 1 to the vertices of G , there are no internally disjoint paths connecting two vertices whose lists have a common element.*I. Assem, M.I. Platzeck, M.J. Redondo and S. Trepode*

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Let G be a graph and M be a perfect matching of G . An M -alternating path P of G is a path which starts with an edge in M and edges in $E(G) \setminus M$ appear on P alternately. If x and y are vertices in G , then $P(x,y)$ denotes the path from x to y in P .

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