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**Stochastic graphs as a tool for solutions of problems. (Stochastické grafy jako nástroj řešení matematických úloh.)**

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Summary: By a stochastic graph we mean an oriented graph whose edges are evaluated by a positive number. The sum of the leading edges of one vertex is equal to one. The theory of these graphs is especially useful for applications in the field of probability and combinatorics, and in this article the authors present three such tasks.

*Classification:* K30 K60

*Keywords:* stochastic graphs