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Transport

[Comparison of the results of application of methods for solving the transportation problem of linear programming](#)

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Abstract. The article discusses one of the methods of optimizing the transportation planning – a transport linear programming problem. The main methods for finding the reference plan for loaded riders and the optimal plan for solving it are listed. A formal mathematical model and a system of transport problem constraints are presented. A conceptual mathematical model is built on the basis of a formal mathematical model. An example of solving this problem is given: the reference plan of loaded riders was created with the use of the “north-west corner” method, the optimal plan for the return of empty vehicles with the use of the distribution method. Comparison of the results of application of methods for solving the transport problem of linear programming was carried out: comparison of the reference plans obtained with the use of the least-cost and north-west corner methods, comparison of the optimal plans for the return of empty cars obtained with the use of potential and distribution methods. Comparison criteria selected were the number of iterations, labor intensity, the result. Based on this, it was established that the obtained optimal plan for the return of empty cars is the same; according to other comparison criteria, there are a number of differences.

Keywords: linear programming transport problem, mathematical model, baseline plan, optimal plan, solution methods, north-west corner method, minimum-element (least-cost) method, distribution method, potential method.

findings are presented. The findings in general, reflect the importance of developing and conducting such business games that contribute to a significant increase of the professional competence of internal affairs officers.

Keywords: professional competence, building, abilities, business game, methods, discussion, reflection, educational process, team, internal affairs officers.

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Comparative Pedagogics

[Reading literacy in Kazakhstan and lifelong learning from the perspectives of different ages](#)

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Abstract. The article considers the importance of reading literacy as a part of lifelong learning. The significance of reading process in lifelong learning is recognized as a necessary factor for further development of human beings, which should be practiced and experienced throughout life. Moreover, the statement of lifelong learning in Kazakhstan is represented as an example, where reading literacy level and the reviews of international survey assessment should be taken into account. The measurement of reading literacy among Kazakhstani young adolescents demonstrated poor results, which may be considered as worrisome for further literacy development. As literacy level is a pivotal and beneficial issue in lifelong learning, a brief review of various life-learning strategies in well-developed countries represents that people of different ages may start learning process voluntary at any age of their adulthood. The learning process is considered to be of high quality, it is in high demand and may be far from traditional education. The analysis of specific features in educational experience of well-developed countries contributes to the widespread use and implementation of lifelong education in the structure of education in Kazakhstan, which is represented in the form of a "mind map" framework as a way of promoting reading literacy level throughout life.

Keywords: lifelong learning, perspectives, teachers, learners, adults, literacy, reading skills, abilities, comprehension, assessment.

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At the Crossroad of Opinions

[Development of self-employment in the regions: challenges for the education system](#)

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Abstract. The article proposes the technology for creating a permanent system of expanded reproduction of self-employed citizens in the regions, which is necessary for the implementation of the federal project "Creating favorable conditions for self-employed citizens" as a part of national project "Small and Medium-sized Businesses and support for individual entrepreneurial initiatives".

Keywords: self-employed citizen, federal project, education system.

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