A MATHEMATICAL MODEL FOR A DECISION PROBLEM IN MEDICINE

Luciana NEAMŢIU

Abstract. The paper presents a mathematical model and a solution for a medical decision problem about prioritising interventions for a number of individual surgical patients.

The necessary amount of money for all needed intervention exceed the alloted budget. The problem is how to choose the patients for surgery. The list of demands contains for each patient: the healts state, the life expectency, the cost of surgery, the job, the family condition and if the patient is guilty for the disease.

MSC: 91B06, 90C29

Keywords: multicriteria programming problem