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The solution set of a system of max-min-product fuzzy relational inequalities

In this article we will find the solution set for an optimization problem with max-min-product inequalities to depict a data transmission mechanism using client-server layout. We need to find the solution set for each inequality and then find the solution set for the system which is not the intersection of the solution sets for individual inequalities. To do that, we will find the minimal solutions for each inequality and then the connection between a solution for the system and solutions of each inequality.