



The algorithm of the developed software

Algorithm operation

At the input of the software that performs the performance test, data sets are preliminarily reduced to the JSON format (JSON - Java Script Object Notation).

- **step 1** setting measurable performance metrics from the entire multidimensional performance space Υ ,
- **step 2** formation of parameters of measured performance metrics,
- **step 3,5,7,9** recursive loops of routines for comparing metrics. If minimization is possible, the corresponding event handler is activated (the value is «Yes») with a call to the *Sympy* library when the list of features for the measured metrics is formed. If it is impossible to minimize (the value is «No»), the output function f_2^* is reconfigured (step 11).
- **step 4,6,8,10** measuring the performance of given metrics and visualizing the results,
- **step 11** generating an output function after performing a performance test based on the relevant metrics.