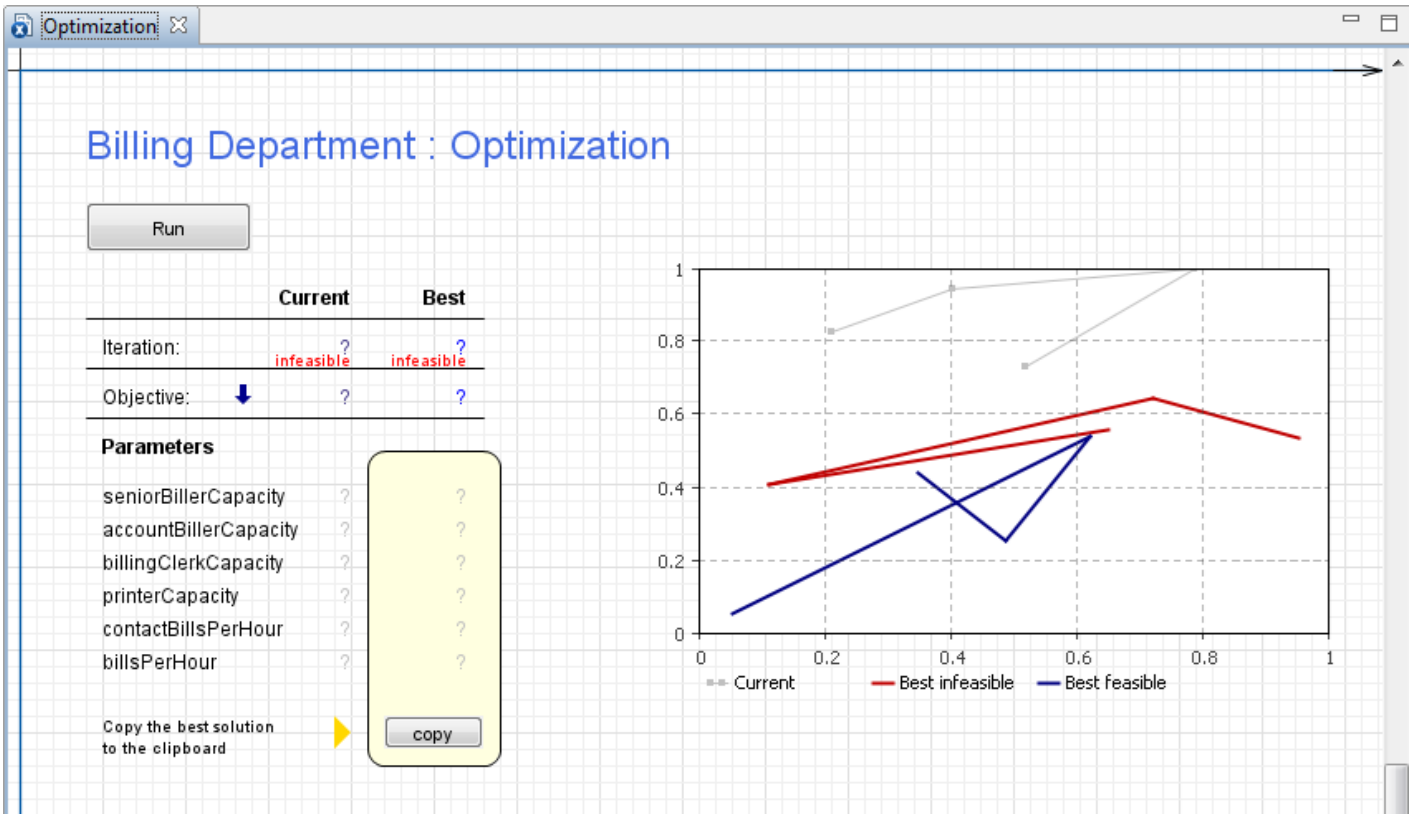# Default Optimization UI

Just as simulation experiment, optimization experiment has its own presentation drawn on the graphical editor diagram. By default, the diagram is empty. However, AnyLogic offers the user an ability of creating some default UI for optimization experiment. We advice you to start with creating the default UI and then adjust it somehow to satisfy your requirements.

⚠ Please create the experiment's UI AFTER you have entirely defined the set of optimization parameters in the **Parameters** table.

📋 **To create the default optimization UI**

1. Select the optimization experiment in the **Projects** view.
2. Go to the **Properties** view.
3. Click the **Create default UI** button.
   This creates default UI for the optimization experiment as shown in the figure below.

The default UI created for optimization experiment

The default UI consists of a number of controls displaying all necessary information regarding the current status of the optimization.

The button **Run optimization** starts the optimization process.

The table at the left displays all necessary information about the optimization process. The values in the column **Current** show the user the number of the current **Iteration**, **Parameter** values used and the corresponding **Objective** found to this moment. The values in the column **Best** form the best solution found up to the current time. Once optimization has finished, this solution is considered to be optimal. The best value of the objective function corresponds to this optimal solution. You can copy it to the Clipboard using the **Copy** button below.

The chart to the right visually illustrates the optimization process. The X-axis represents simulations, and the Y-axis represents **Current Objective**, **Best Feasible Objective** and **Best Infeasible Objective** found for each simulation.