

Profiling Report

The purpose of this protocol is to analyze the outputs of the profiler and offer opportunities to optimize the program. As a profiling tool was used cProfile.

The used inputs are located in files vstap 10.txt, vstap 100.txt, vstap 1000.txt.

The received outputs can be seen in files vystap 10.txt, vystap 100.txt, vystap 1000.txt.

Program execution time:

Case1: 0.003s

Case2: 0.021s

Case3: 0.212

Program works really fast, so it is hard to make conclusions about necessity of optimization any specific code sections.

However, most of the time is spent on functions “**eval_substr**” and “**split_expression**”, so it makes sense to focus on speeding up their work.