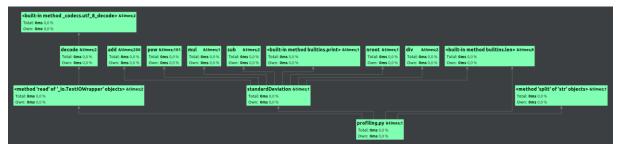
Profiling - report

Purpose of this document is analysing profiler output from profiling standard deviation calculation program and suggest some optimalization. As profiler was used a tool *cProfile* by *JetBrains*.

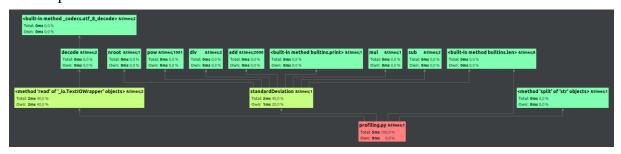
10 input values:



100 input values:



1000 input values:



In files vystup.pstat and attached callgraphs, we can see the calls for 10, 100 and 1000 numbers input. It is clearly visible that the most called functions are add and pow. Function add simply adds two numbers and it is invoked 2 * n, where n is input values count. The next most invoked function is pow, which calculates powers and is called as many times as input values count + 1.

When optimizing and accelerating code, we should focus on these two functions.