IVS - Profiling report

Tím fsociety

13.4.2020

10 číselných hodnôt:

```
D:\VUT\3.rocnik leto\IVS\Proj2\Working\src>python profiling.py <input.txt
         66 function calls in 0.000 seconds

   Ordered by: cumulative time

   ncalls  tottime  percall  cumtime  percall filename:lineno(function)
        1    0.000    0.000    0.000    0.000 profiling.py:36(Standard_deviation)
        1    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:29(nthRoot)
        1    0.000    0.000    0.000    0.000 {built-in method builtins.round}
       11    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:23(power)
        2    0.000    0.000    0.000    0.000 C:\Users\lazor\AppData\Local\Programs\Python\Python36\lib\encodings\cp1250.py:22(decode)
       30    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:6(add)
       10    0.000    0.000    0.000    0.000 {method 'rstrip' of 'str' objects}
        2    0.000    0.000    0.000    0.000 {built-in method _codecs.charmap_decode}
        3    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:12(multiplication)
        2    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:15(divide)
        2    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:9(subtraction)
        1    0.000    0.000    0.000    0.000 {method 'disable' of '_lsprof.Profiler' objects}



8.87505868525198
```

100 číselných hodnôt:

```
D:\VUT\3.rocnik leto\IVS\Proj2\Working\src>python profiling.py <input.txt
         516 function calls in 0.000 seconds

   Ordered by: cumulative time

   ncalls  tottime  percall  cumtime  percall filename:lineno(function)
        1    0.000    0.000    0.000    0.000 profiling.py:36(Standard_deviation)
      101    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:23(power)
      300    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:6(add)
        1    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:29(nthRoot)
        1    0.000    0.000    0.000    0.000 {built-in method builtins.round}
      100    0.000    0.000    0.000    0.000 {method 'rstrip' of 'str' objects}
        2    0.000    0.000    0.000    0.000 C:\Users\lazor\AppData\Local\Programs\Python\Python36\lib\encodings\cp1250.py:22(decode)
        2    0.000    0.000    0.000    0.000 {built-in method _codecs.charmap_decode}
        3    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:12(multiplication)
        2    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:9(subtraction)
        2    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:15(divide)
        1    0.000    0.000    0.000    0.000 {method 'disable' of '_lsprof.Profiler' objects}



8.80240440063527
```

1 000 číselných hodnôt:

```
D:\VUT\3.rocnik leto\IVS\Proj2\Working\src>python profiling.py <input.txt
         5016 function calls in 0.002 seconds

   Ordered by: cumulative time

   ncalls  tottime  percall  cumtime  percall filename:lineno(function)
        1    0.001    0.001    0.002    0.002 profiling.py:36(Standard_deviation)
     1001    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:23(power)
     3000    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:6(add)
     1000    0.000    0.000    0.000    0.000 {method 'rstrip' of 'str' objects}
        1    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:29(nthRoot)
        2    0.000    0.000    0.000    0.000 C:\Users\lazor\AppData\Local\Programs\Python\Python36\lib\encodings\cp1250.py:22(decode)
        1    0.000    0.000    0.000    0.000 {built-in method builtins.round}
        2    0.000    0.000    0.000    0.000 {built-in method _codecs.charmap_decode}
        3    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:12(multiplication)
        2    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:9(subtraction)
        2    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:15(divide)
        1    0.000    0.000    0.000    0.000 {method 'disable' of '_lsprof.Profiler' objects}



8.4551916161176
```

1 000 000 číselných hodnôt:

```
D:\VUT\3.rocnik leto\IVS\Proj2\Working\src>python profiling.py <input.txt
         5000918 function calls in 1.925 seconds

   Ordered by: cumulative time

   ncalls  tottime  percall  cumtime  percall filename:lineno(function)
        1    1.169    1.169    1.925    1.925 profiling.py:36(Standard_deviation)
  1000001    0.432    0.000    0.432    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:23(power)
  3000000    0.227    0.000    0.227    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:6(add)
  1000000    0.091    0.000    0.091    0.000 {method 'rstrip' of 'str' objects}
      453    0.000    0.000    0.007    0.000 C:\Users\lazor\AppData\Local\Programs\Python\Python36\lib\encodings\cp1250.py:22(decode)
      453    0.006    0.000    0.006    0.000 {built-in method _codecs.charmap_decode}
        1    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:29(nthRoot)
        1    0.000    0.000    0.000    0.000 {built-in method builtins.round}
        3    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:12(multiplication)
        2    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:15(divide)
        2    0.000    0.000    0.000    0.000 D:\VUT\3.rocnik leto\IVS\Proj2\Working\src\clcLib\mathlib.py:9(subtraction)
        1    0.000    0.000    0.000    0.000 {method 'disable' of '_lsprof.Profiler' objects}



8.65498941945661
```