Profiling MiniProject.py:

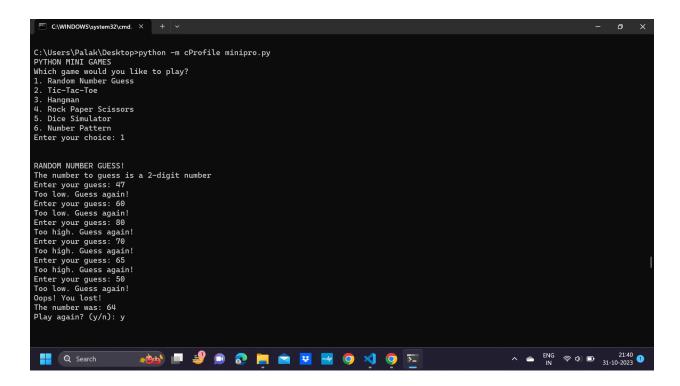
For profiling the python file, cProfiler was used. The profiling data is saved to a file named 'profile results.pstats'.

For using cProfiler, the following module is imported:

```
import cProfile
```

The profiling stats are stored into a file 'profile_results.pstats' using these commands:

```
profiler = pstats.Stats('profile_results.pstats')
profiler.strip_dirs().sort_stats('cumulative').print_stats()
```



```
CWMNOOMShystem3Zemd X + v - 0 X

0 | X | 0

Player 0, enter a position (0-8): 2

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| X
```

```
Guess a letter: p
Wrong guess! You have 3 attempts left.
 Guess a letter: b
Wrong guess! You have 2 attempts left.
 Guess a letter: g
Wrong guess! You have 1 attempts left.
  Guess a letter: h
  Wrong guess! You have 0 attempts left.
 Out of attempts. The word was: frontend Play again? (y/n): y
     C:\WINDOWS\system32\cmd. × + v
  PYTHON MINI GAMES
PYTHON MINI GAMES
Which game would you like to play?
1. Random Number Guess
2. Tic-Tac-Toe
3. Hangman
4. Rock Paper Scissors
5. Dice Simulator
6. Number Pattern
Enter your choice: 4
 ROCK PAPER SCISSORS
ROCK PAPER SCISSORS
How many points do you want to play for? 3
Enter your choice: rock/paper/scissors: rock
It's a tie! The computer chose rock
Points: You: 0 Computer: 0
Enter your choice: rock/paper/scissors: scissors
You lost! The computer chose rock
Points: You: 0 Computer: 1
Enter your choice: rock/paper/scissors: rock
It's a tie! The computer chose rock
Points: You: 0 Computer: 1
GAME OVER!
Sorry! You lost.
Your points: 0
Computer's points: 1
  Computer's points:1
Play again? (y/n): y
```

```
PYTHON MINI GAMES
Which game would you like to play?
1. Random Number Guess
2. Tic-Tac-Toe
3. Hangman
4. Rock Paper Scissors5. Dice Simulator
   Number Pattern
Enter your choice: 5
DICE SIMULATOR
Enter the number of faces on your dice:6
Your random choice is: 2
Play again? (y/n): y
PYTHON MINI GAMES
Which game would you like to play?
1. Random Number Guess
   Tic-Tac-Toe
3. Hangman
4. Rock Paper Scissors
5. Dice Simulator
6. Number Pattern
Enter your choice: 6
```

```
C:\WINDOWS\system32\cmd. × +
Welcome to the Number Pattern Game!
Find the next term in this Odd Numbers pattern: [1, 3, 5, 7, 9, 11]
Your answer: 13
 Correct!
Play again? (y/n): n
Game Over!
Your final score: 1
Play again? (y/n): n
Bye!
                 11059 function calls (10865 primitive calls) in 87.976 seconds
     Ordered by: cumulative time
     ncalls tottime percall cumtime percall filename:lineno(function)
16/1 0.000 0.000 87.976 87.976 {built-in method builtins.exec}
1 0.000 0.000 87.976 87.976 minipro.py:1(<module>)
                     0.000
0.000
0.001
87.940
0.019
0.000
                                                        87.961
87.940
                                                                         87.961 minipro.py:5(maingame)
2.255 {built-in method builtins.input}
0.000 {built-in method builtins.print}
                                        0.000
                                        2.255
0.000
0.000
0.000
0.000
                                                         0.019
0.014
                                                                          0.007 <frozen importlib._bootstrap>:1165(_find_and_load)
0.007 <frozen importlib._bootstrap>:1120(_find_and_load_unlocked)
0.007 <frozen importlib._bootstrap>:666(_load_unlocked)
                                                          0.014
0.013
0.013
                        0.000
0.000
0.000
                                                                          0.007 \frozen importlib._bootstrap_external:934(exec_module)
0.003 \frozen importlib._bootstrap>:233(_call_with_frames_removed)
0.011 pdb.py:1(\smodule>)
                                         0.000
                                        0.000
0.000
                                                          0.012
0.011
0.006
                        0.000
0.000
                                                                          0.011 pdo.py:1(modute)

0.000 <frozen importlib._bootstrap>:1054(_find_spec)

0.000 <frozen importlib._bootstrap_external>:1496(find_spec)

0.001 minipro.py:50(print_board)

0.000 <frozen importlib._bootstrap_external>:1464(_get_spec)
            21
15
9
15
                        0.000
                                         0.000
                                         0.000
0.000
                                                          0.005
0.005
0.005
                        0.000
                        0.000
             63
14
                        0.000
0.000
                                                          0.005
0.004
                                                                          0.000 <frozen importlib._bootstrap_external>:1604(find_spec)
0.000 <frozen importlib._bootstrap_external>:1007(get_code)
                                         0.000
                                         0.000
                                           webah 🔳 🥝 🗩 🔁 🚾 👿 🧿 刘 🧿 🔀
                                                                                                                                                                                                      Q Search
```

11059 function calls (10865 primitive calls) in 87.976 seconds

Ordered by: cumulative time

ncalls tottime percall cumtime percall filename:lineno(function) 16/1 0.000 0.000 87.976 87.976 {built-in method builtins.exec}

```
1
       0.000
               0.000 87.976 87.976 minipro.py:1(<module>)
   6/1
        0.001
               0.000 87.961
                              87.961 minipro.py:5(maingame)
                              2.255 {built-in method builtins.input}
    39 87.940 2.255 87.940
   156 0.019 0.000 0.019
                               0.000 {built-in method builtins.print}
   21/2
         0.000
                0.000
                       0.014
                               0.007 < frozen
importlib. bootstrap>:1165( find and load)
   21/2 0.000 0.000 0.014 0.007 < frozen
importlib. bootstrap>:1120( find and load unlocked)
   20/2 0.000 0.000 0.013
                               0.007 < frozen
importlib. bootstrap>:666( load unlocked)
   14/2 0.000 0.000 0.013 0.007 < frozen
importlib. bootstrap external>:934(exec module)
  41/4 0.000
                0.000 0.012 0.003 < frozen
importlib. bootstrap>:233( call with frames removed)
               0.000 0.011
                             0.011 pdb.py:1(<module>)
    1
       0.000
    21
        0.000
               0.000
                             0.000 < frozen
                       0.006
importlib. bootstrap>:1054( find spec)
    15 0.000
               0.000
                       0.005 0.000 < frozen
importlib. bootstrap external>:1496(find spec)
                      0.005  0.001 minipro.py:50(print board)
    9
        0.000
               0.000
    15
        0.000
               0.000
                       0.005
                              0.000 < frozen
importlib. bootstrap external>:1464( get spec)
               0.000
    63
        0.000
                       0.005
                             0.000 < frozen
importlib. bootstrap external>:1604(find spec)
    14 0.000 0.000
                       0.004
                             0.000 < frozen
importlib. bootstrap external>:1007(get code)
               0.000
                       0.003
    91 0.000
                             0.000 < frozen
importlib. bootstrap external>:140( path stat)
                              0.000 {built-in method nt.stat}
    91
        0.003
               0.000
                       0.003
                              0.002 code.py:1(<module>)
    1
        0.000
               0.000
                      0.002
   315
       0.001
                0.000
                       0.002
                               0.000 < frozen
importlib. bootstrap external>:96( path join)
        0.000 0.000
                       0.002
    28
                             0.000 < frozen
importlib. bootstrap external>:1127(get data)
       0.000 0.000 0.002 0.002 cmd.py:1(<module>)
```

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1
        0.000
               0.000
                       0.001
                              0.001 bdb.py:1(<module>)
    14
       0.000
               0.000
                       0.001
                               0.000 < frozen
importlib. bootstrap external>:727( compile bytecode)
                              0.000 init .py:225(compile)
    3
       0.000
               0.000
                       0.001
                              0.000 init .py:272( compile)
    3
        0.000
               0.000
                       0.001
                               0.000 {built-in method marshal.loads}
    14
       0.001
               0.000
                       0.001
                              0.000 compiler.py:738(compile)
    3
       0.000
               0.000
                       0.001
                              0.001 string.py:1(<module>)
    1
        0.000
               0.000
                       0.001
                               0.000 {built-in method io.open code}
    28
        0.001
               0.000
                       0.001
                              0.001 random.py:1(<module>)
    1
        0.000
               0.000
                       0.001
                              0.001 string.py:69( init subclass )
        0.000
               0.000
                       0.001
    1
                              0.000 minipro.py:171(display)
    6
       0.000
               0.000
                       0.001
                               0.000 {method 'read' of ' io.BufferedReader'
    28
        0.001
               0.000
                       0.001
objects}
    21
        0.000
                0.000
                       0.001
                               0.000 < frozen
importlib. bootstrap>:169( enter )
                              0.000 parser.py:972(parse)
    3
       0.000
               0.000
                       0.001
   12/3
                                0.000 parser.py:449( parse sub)
         0.000
                0.000
                        0.001
                               0.000 < frozen
    21
        0.001
                0.000
                       0.001
importlib. bootstrap>:179( get module lock)
                              0.001 fnmatch.py:1(<module>)
    1
        0.000
               0.000
                       0.001
                               0.000 parser.py:509( parse)
   15/3
         0.000
                0.000 0.001
    1
        0.000 \quad 0.000
                       0.001
                              0.001 codeop.py:1(<module>)
                               0.000 < frozen
    20 0.000
               0.000 0.001
importlib. bootstrap>:566(module from spec)
                0.000
    14 0.000
                       0.001
                               0.000 < frozen
importlib. bootstrap external>:159( path isfile)
        0.000 0.000 0.001
                              0.001 < frozen
importlib. bootstrap>:975(exec module)
        0.000
                0.000
                       0.001
                               0.000 < frozen
    14
importlib. bootstrap external>:150( path is mode type)
                              0.001 <frozen posixpath>:1(<module>)
    1
       0.000
              0.000
                       0.001
    26
        0.000
                               0.000 {built-in method builtins. build class }
               0.000
                       0.001
    20
        0.000
                0.000
                       0.000
                               0.000 < frozen
importlib. bootstrap>:493( init module attrs)
```

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14 0.000
                0.000
                        0.000 0.000 <frozen
importlib. bootstrap external>:1146(path stats)
                       0.000 0.000 < frozen
        0.000
                0.000
importlib. bootstrap external>:437(cache from source)
    1
        0.000
               0.000
                       0.000
                              0.000 signal.py:1(<module>)
                              0.000 enum.py:893( convert )
    2
        0.000
               0.000
                       0.000
                              0.000 compiler.py:571( code)
    3
        0.000
               0.000
                       0.000
   315 0.000 0.000 0.000 0.000 <frozen
importlib. bootstrap external>:119(<listcomp>)
        0.000
                               0.000 <frozen importlib. bootstrap>:392(cached)
    28
                0.000
                        0.000
    14
        0.000
                0.000
                        0.000
                               0.000 < frozen
importlib. bootstrap external>:567( get cached)
                               0.000 traceback.py:1(<module>)
    1
        0.000
               0.000
                       0.000
                              0.000 glob.py:1(<module>)
        0.000
    1
               0.000
                       0.000
                       0.000
                              0.000 minipro.py:57(check win)
    8
       0.000
               0.000
    2
       0.000
               0.000
                       0.000
                              0.000 enum.py:1654(convert class)
   17/3
        0.000 \quad 0.000
                                0.000 compiler.py:37( compile)
                       0.000
   328
                0.000
                        0.000
                                0.000 parser.py:254(get)
         0.000
                               0.000 {method 'exit 'of' io. IOBase'
    28
        0.000
                0.000
                        0.000
objects}
   1034
         0.000
                 0.000
                         0.000
                                0.000 {method 'endswith' of 'str' objects}
                               0.000 pdb.py:207(Pdb)
    1
        0.000
               0.000
                       0.000
                0.000
                               0.000 < frozen
    14
        0.000
                        0.000
importlib. bootstrap external>:1599( get spec)
                                0.000 {method 'startswith' of 'str' objects}
   730
         0.000
                0.000 \quad 0.000
   225
                                0.000 {built-in method builtins.getattr}
         0.000
                0.000
                        0.000
               0.000
        0.000
                               0.000 init .py:350(namedtuple)
    1
                       0.000
    28
        0.000
                0.000
                        0.000
                               0.000 < frozen
importlib. bootstrap external>:132( path split)
                               0.000 compiler.py:241( optimize charset)
    8
        0.000
               0.000
                       0.000
                                0.000 parser.py:233( next)
   390
         0.000
                0.000
                        0.000
                        0.000 0.000 {built-in method builtins.len}
 943/925
          0.000 \quad 0.000
   973
         0.000
                 0.000
                        0.000
                                0.000 {method 'rstrip' of 'str' objects}
    3
        0.000
               0.000
                       0.000
                               0.000 compiler.py:509( compile info)
```

```
14 0.000
                0.000
                       0.000 0.000 <frozen
importlib. bootstrap external>:778(spec from file location)
                               0.000 init .py:89(find spec)
    21
        0.000
                0.000
                       0.000
                               0.000 {method 'format' of 'str' objects}
    39
        0.000
                0.000
                       0.000
   335
         0.000
                0.000
                        0.000
                                0.000 < frozen
importlib. bootstrap>:244( verbose message)
                              0.000 random.py:358(randint)
        0.000
               0.000
                       0.000
    64
        0.000
               0.000
                       0.000
                               0.000 {built-in method builtins.all}
                               0.000 {built-in method builtins.max}
    32
        0.000
                0.000
                       0.000
                               0.000 {method 'join' of 'str' objects}
   352
        0.000 \quad 0.000
                       0.000
                               0.000 minipro.py:296(generate pattern)
    1
        0.000
               0.000
                       0.000
    21
        0.000
                0.000
                       0.000
                               0.000 < frozen
importlib. bootstrap>:748(find spec)
                               0.000 < frozen importlib. bootstrap >: 71( init )
                0.000
    21
        0.000
                       0.000
                               0.000 {built-in method imp.source hash}
    14
        0.000
                0.000
                       0.000
        0.000
               0.000
                              0.000 pprint.py:1(<module>)
    1
                       0.000
   569 0.000 0.000
                       0.000 0.000 {method 'append' of 'list' objects}
        0.000
                               0.000 {built-in method builtins.eval}
    1
               0.000
                       0.000
                               0.000 typing.py:352(inner)
    1
        0.000
               0.000
                       0.000
    21
        0.000
               0.000
                       0.000
                               0.000 < frozen
importlib. bootstrap>:173( exit )
                               0.000 typing.py:479( getitem )
    1
        0.000
               0.000
                       0.000
                              0.000 bisect.py:1(<module>)
        0.000
    1
               0.000
                       0.000
    78 0.000
               0.000
                       0.000
                              0.000 < frozen
importlib. bootstrap external>:1421( path importer cache)
                               0.000 typing.py:658(Union)
        0.000
               0.000
                       0.000
    1
    7
        0.000
                              0.000 enum.py:686( call )
               0.000
                       0.000
        0.000
                       0.000
                              0.000 random.py:284(randrange)
    3
               0.000
                                0.000 minipro.py:61(<genexpr>)
   139 0.000 0.000
                       0.000
                               0.000 enum.py:1506( or )
    1
        0.000
               0.000
                       0.000
    21
        0.000
                0.000
                       0.000
                               0.000 < frozen
importlib. bootstrap>:100(acquire)
        0.000
               0.000
                               0.000 <frozen sitebuiltins>:19( call )
    1
                       0.000
        0.000
                0.000
                               0.000 < frozen
                       0.000
importlib. bootstrap external>:134(<genexpr>)
```

```
14 0.000 0.000 0.000 0.000 <frozen
importlib. bootstrap external>:642( classify pyc)
              0.000
                      0.000 0.000 < frozen
    14 0.000
importlib. bootstrap external>:172( path isabs)
    2
       0.000
              0.000
                     0.000
                            0.000 enum.py:910(<listcomp>)
    5
       0.000
              0.000
                     0.000
                            0.000 < frozen
importlib. bootstrap>:770(create module)
                     0.000 0.000 enum.py:1093( new )
    7 0.000
              0.000
                             0.000 <frozen importlib. bootstrap>:125(release)
   21
       0.000
              0.000
                     0.000
                             0.000 {built-in method thread.allocate lock}
   42 0.000 0.000
                     0.000
                            0.000 minipro.py:306(<lambda>)
       0.000
              0.000
                     0.000
    1
    6
       0.000
              0.000
                     0.000
                            0.000
random.py:235( randbelow with getrandbits)
                      23/9 0.000
               0.000
                     0.000 0.000 random.py:367(choice)
    3 0.000 0.000
   16 0.000
              0.000
                      0.000
                             0.000 < frozen
importlib. bootstrap>:920(find spec)
                            0.000 {built-in method imp.create builtin}
    5
       0.000
              0.000
                     0.000
                            0.000 compiler.py:384( mk bitmap)
    6
       0.000
              0.000
                     0.000
   259 0.000 0.000 0.000 0.000 {built-in method builtins.isinstance}
    5
       0.000
              0.000
                     0.000
                            0.000 < frozen
importlib. bootstrap>:778(exec module)
                             0.000 parser.py:164( getitem )
   65 0.000
              0.000 \quad 0.000
   21 0.000 0.000
                             0.000 <frozen importlib. bootstrap>:198(cb)
                      0.000
   73
       0.000
               0.000
                      0.000
                             0.000 < frozen
importlib. bootstrap>:1030( exit )
                             0.000 {built-in method new of type object at
               0.000
    14 0.000
                      0.000
0x00007FFA2B748F90}
    6 0.000
                            0.000 parser.py:94(closegroup)
              0.000
                     0.000
                            0.000 enum.py:1376( missing )
       0.000
    1
              0.000
                     0.000
                     0.000
                            0.000 enum.py:497( new )
    2 0.000
              0.000
                            0.000 random.py:119( init )
    1
       0.000
              0.000
                     0.000
   63 0.000
              0.000
                      0.000
                            0.000 < frozen
importlib. bootstrap external>:67( relax case)
                      0.000 0.000 {built-in method builtins.hasattr}
   144
        0.000
               0.000
```

```
0.000 {built-in method imp.is builtin}
    21
        0.000
               0.000
                       0.000
                              0.000 typing.py:1353( init )
    1
        0.000
               0.000
                       0.000
                               0.000 < frozen
    73
        0.000
               0.000
                       0.000
importlib. bootstrap>:1026( enter )
       0.000
               0.000
                       0.000
                              0.000 < frozen
importlib. bootstrap>:422(spec from loader)
               0.000
                       0.000 0.000 parser.py:249(match)
    65
       0.000
                              0.000 {built-in method _imp.exec_builtin}
    5
       0.000
               0.000
                       0.000
                               0.000 signal.py:9(<lambda>)
    30
       0.000
               0.000
                       0.000
                               0.000 {built-in method builtins.setattr}
    18
       0.000
               0.000
                       0.000
                       0.000
                              0.000 random.py:128(seed)
    1
        0.000
               0.000
   132 0.000 0.000 0.000 0.000 {method 'rpartition' of 'str' objects}
                              0.000 future .py:1(<module>)
    1
       0.000
               0.000
                       0.000
    14
        0.000
                0.000
                       0.000
                               0.000 < frozen
importlib. bootstrap external>:84( unpack uint32)
    4
       0.000
               0.000
                       0.000
                              0.000 parser.py:267(getuntil)
       0.000
               0.000
                              0.000 compiler.py:386(<listcomp>)
    6
                       0.000
                              0.000 enum.py:1516(__and__)
       0.000
    6
               0.000
                       0.000
                               0.000 enum.py:826( setattr )
    15 0.000
               0.000
                       0.000
    14
        0.000
                0.000
                       0.000
                               0.000 < frozen
importlib. bootstrap external>:599( check name wrapper)
                              0.000 pprint.py:106(PrettyPrinter)
    1
        0.000
               0.000
                       0.000
                               0.000 {method 'rfind' of 'str' objects}
       0.000
    56
               0.000
                       0.000
                               0.000 {built-in method imp. fix co filename}
    14 0.000
               0.000
                       0.000
                              0.000 {method 'close' of ' io. TextIOWrapper'
        0.000
    1
               0.000
                       0.000
objects}
                              0.000 {method 'isalpha' of 'str' objects}
    6
       0.000
               0.000
                       0.000
                              0.000 parser.py:82(opengroup)
    6
       0.000
               0.000
                       0.000
                              0.000 {function Random.seed at
    1
        0.000
               0.000
                       0.000
0x0000020361F35440}
               0.000
                              0.000 functools.py:518(decorating function)
        0.000
                       0.000
    1
                              0.000 minipro.py:293(odd numbers)
    1
        0.000
               0.000
                       0.000
    16
                               0.000 {method 'lower' of 'str' objects}
       0.000
               0.000
                       0.000
    41
        0.000
                0.000
                       0.000
                               0.000 {method 'strip' of 'str' objects}
    15
        0.000
                0.000
                       0.000
                               0.000 {built-in method nt.getcwd}
```

```
0.000
    20
                0.000
                        0.000
                               0.000 <frozen importlib. bootstrap>:405(parent)
    21
        0.000
                0.000
                        0.000
                               0.000 < frozen
importlib. bootstrap>:357( init )
    3
        0.000
               0.000
                       0.000
                               0.000 typing.py:694(<genexpr>)
                               0.000 typing.py:1297( setattr )
        0.000
               0.000
                       0.000
    8
                                0.000 {built-in method _imp.acquire_lock}
   115 0.000
                0.000
                        0.000
                               0.000 compiler.py:214( compile charset)
    8
        0.000
               0.000
                       0.000
    3
        0.000
                               0.000 enum.py:1366( iter member by def )
               0.000
                       0.000
                               0.000 compiler.py:434( get literal prefix)
   5/3
        0.000
                0.000
                        0.000
                               0.000 {built-in method builtins.locals}
    21
        0.000
                0.000
                        0.000
                                0.000 {built-in method imp.release lock}
   115
        0.000
                0.000
                        0.000
                               0.000 parser.py:286(tell)
    30
        0.000
                0.000
                        0.000
                               0.000 enum.py:48( is dunder)
    15
        0.000
                0.000
                        0.000
                               0.000 {built-in method nt. path splitroot}
    14
                0.000
                        0.000
        0.000
        0.000
                               0.000 {method 'get' of 'dict' objects}
    74
                0.000
                        0.000
    1
        0.000
               0.000
                       0.000
                               0.000 typing.py:1258( init )
    2
        0.000
               0.000
                       0.000
                               0.000 {method 'sort' of 'list' objects}
    15
        0.000
                0.000
                        0.000
                               0.000 < frozen
importlib. bootstrap>:48( new module)
    1
        0.000
               0.000
                       0.000
                               0.000 {built-in method builtins.sorted}
               0.000
                               0.000 functools.py:35(update wrapper)
    1
        0.000
                       0.000
                               0.000 enum.py:38( is descriptor)
    11
        0.000
                0.000
                        0.000
        0.000
                               0.000 parser.py:446( uniq)
    6
               0.000
                       0.000
    11
        0.000
                0.000
                        0.000
                               0.000 types.py:164( init )
        0.000
    40
                               0.000 {method 'find' of 'bytearray' objects}
                0.000
                        0.000
        0.000
                               0.000 bdb.py:17(Bdb)
    1
               0.000
                       0.000
    5
        0.000
               0.000
                       0.000
                               0.000 < frozen
importlib. bootstrap>:254( requires builtin wrapper)
                               0.000 parser.py:172(append)
    20
        0.000
                0.000
                        0.000
                        0.000
                               0.000 parser.py:160( len )
    25
        0.000
                0.000
                       0.000
                               0.000 parser.py:224( init )
    3
        0.000
               0.000
                               0.000 enum.py:79( is private)
    11
        0.000
                0.000
                       0.000
    1
        0.000
               0.000
                               0.000 random.py:103(Random)
                       0.000
    2
        0.000
               0.000
                       0.000
                               0.000 typing.py:168( type check)
```

```
0.000
                0.000
                       0.000 0.000 <frozen
importlib. bootstrap external>:703( validate hash pyc)
                       0.000
                               0.000 {built-in method builtins.min}
    41
        0.000
                0.000
                0.000
                               0.000 {method 'exit 'of' thread.lock'
    42
        0.000
                       0.000
objects}
                              0.000 pdb.py:161( ModuleTarget)
    1
        0.000
               0.000
                       0.000
                               0.000 {built-in method imp.find frozen}
    16
        0.000
               0.000
                       0.000
                               0.000 parser.py:79(groups)
    18
        0.000
                0.000
                       0.000
                               0.000 {built-in method thread.get ident}
    42
        0.000
                0.000
                       0.000
                       0.000
                              0.000 enum.py:1356( iter member by value )
    3
        0.000
               0.000
                              0.000 parser.py:369( escape)
               0.000
                       0.000
    2
       0.000
                              0.000 typing.py:313( remove dups flatten)
    1
        0.000
               0.000
                       0.000
                               0.000 parser.py:109( init )
    18
        0.000
               0.000
                       0.000
    21
        0.000
                0.000
                       0.000
                               0.000 < frozen
importlib. bootstrap>:165( init )
    42
       0.000
               0.000
                       0.000
                              0.000 {built-in method nt.fspath}
    8
       0.000
               0.000
                       0.000
                              0.000 typing.py:1245( is dunder)
    10 0.000
                               0.000 {method 'add' of 'set' objects}
               0.000
                       0.000
       0.000
               0.000
                       0.000
                              0.000 {built-in method imp.get frozen object}
    1
                               0.000 {built-in method from bytes}
    14
        0.000
               0.000
                       0.000
                       0.000
                               0.000 enum.py:59( is sunder)
    11
        0.000
               0.000
    9
        0.000
               0.000
                       0.000
                              0.000 {method 'getrandbits' of 'random.Random'
objects}
       0.000
                       0.000
    3
               0.000
                              0.000 parser.py:168( setitem )
                              0.000 codeop.py:38(<listcomp>)
    1
        0.000
               0.000
                       0.000
                              0.000 traceback.py:372(StackSummary)
    1
        0.000
               0.000
                       0.000
       0.000
                               0.000 {method 'pop' of 'dict' objects}
    20
               0.000
                       0.000
    2
                              0.000 parser.py:896( parse flags)
       0.000
               0.000
                       0.000
    2
                              0.000 compiler.py:396( simple)
        0.000
               0.000
                       0.000
                               0.000 signal.py:16(<lambda>)
    31
        0.000
                0.000
                       0.000
                0.000
                       0.000
    14
        0.000
                               0.000 < frozen
importlib. bootstrap external>:1097( init )
       0.000
               0.000
                              0.000 minipro.py:48(<listcomp>)
    1
                       0.000
    11
        0.000
                0.000
                       0.000
                               0.000 enum.py:229( set name )
                              0.000 compiler.py:465( get charset prefix)
    2
        0.000
               0.000
                       0.000
```

```
0.000 compiler.py:31( combine flags)
    12
        0.000
                0.000
                        0.000
    1
        0.000
               0.000
                       0.000
                               0.000
minipro.py:313(calculate expected next term)
                               0.000 {method 'update' of 'dict' objects}
    3
        0.000
               0.000
                       0.000
    30
        0.000
                0.000
                        0.000
                               0.000 {method 'isupper' of 'str' objects}
                               0.000 {method 'get' of 'mappingproxy' objects}
    19
        0.000
                0.000
                        0.000
        0.000
                               0.000 cmd.py:52(Cmd)
    1
               0.000
                       0.000
    9
        0.000
                               0.000 {built-in method operator.index}
               0.000
                       0.000
                               0.000 {method 'replace' of 'str' objects}
    15
        0.000
                0.000
                        0.000
                               0.000 compiler.py:568(isstring)
    6
        0.000
               0.000
                       0.000
                               0.000 bdb.py:657(Breakpoint)
        0.000
               0.000
                       0.000
    1
                               0.000 parser.py:297(checkgroupname)
    4
        0.000
               0.000
                       0.000
                               0.000 minipro.py:294(<listcomp>)
    1
        0.000
               0.000
                       0.000
               0.000
                       0.000
                               0.000 {built-in method math.log}
    2
        0.000
                       0.000
                               0.000 {built-in method fromkeys}
    6
        0.000
               0.000
    1
        0.000
               0.000
                       0.000
                               0.000 pdb.py:125( ScriptTarget)
                       0.000
    1
        0.000
               0.000
                               0.000 traceback.py:648(TracebackException)
    3
        0.000
               0.000
                       0.000
                               0.000 signal.py:49(decorator)
        0.000
                0.000
                        0.000
    20
                               0.000 < frozen
importlib. bootstrap>:413(has location)
               0.000
    3
        0.000
                       0.000
                               0.000 {built-in method sre.compile}
                               0.000 __init__.py:96(<lambda>)
    21
        0.000
                0.000
                        0.000
        0.000
                               0.000 init .py:253(escape)
    1
               0.000
                       0.000
                               0.000 parser.py:956(fix flags)
    3
        0.000
               0.000
                       0.000
                               0.000 traceback.py:247(FrameSummary)
    1
        0.000
               0.000
                       0.000
        0.000
                       0.000
               0.000
                               0.000 < frozen
importlib. bootstrap>:895( resolve filename)
                              0.000 {built-in method math.sqrt}
        0.000
               0.000
                       0.000
    1
                               0.000 functools.py:966( init )
    1
        0.000
               0.000
                       0.000
                       0.000
                               0.000 enum.py:920(<dictcomp>)
    2
        0.000
               0.000
                               0.000 _future__.py:83(__init__)
    10
        0.000
                0.000
                        0.000
    14
        0.000
                0.000
                        0.000
                               0.000 < frozen
importlib._bootstrap external>:1122(get filename)
        0.000
                0.000
                        0.000
                               0.000 enum.py:916(<lambda>)
    11
    1
        0.000
               0.000
                       0.000
                               0.000 random.py:215( init subclass )
```

```
0.000
    10
                0.000
                        0.000
                                0.000 {method 'extend' of 'list' objects}
    26
        0.000
                0.000
                        0.000
                                0.000 {built-in method builtins.ord}
    6
        0.000
                0.000
                        0.000
                               0.000 {method 'translate' of 'bytearray' objects}
     3
        0.000
                0.000
                        0.000
                               0.000 enum.py:117( iter bits lsb)
                0.000
    6
        0.000
                        0.000
                               0.000 {method 'bit length' of 'int' objects}
                               0.000 parser.py:73( init )
     3
        0.000
                0.000
                        0.000
        0.000
                               0.000 string.py:57(Template)
     1
                0.000
                        0.000
     1
                               0.000 <frozen io>:60( getattr )
        0.000
                0.000
                        0.000
                0.000
     1
        0.000
                        0.000
                               0.000 < frozen
importlib. bootstrap>:962(create module)
                               0.000 typing.py:299( deduplicate)
                0.000
                       0.000
        0.000
                               0.000 string.py:188(Formatter)
     1
        0.000
                0.000
                        0.000
                               0.000 pprint.py:80( safe key)
     1
        0.000
                0.000
                        0.000
    14
        0.000
                0.000
                        0.000
                                0.000 < frozen
importlib. bootstrap external>:931(create module)
        0.000
                0.000
                               0.000 future .py:81( Feature)
     1
                       0.000
     1
        0.000
                0.000
                               0.000 code.py:15(InteractiveInterpreter)
                        0.000
     1
        0.000
                0.000
                        0.000
                               0.000 < frozen
importlib. bootstrap>:1207( handle fromlist)
     1
        0.000
                0.000
                       0.000
                               0.000 compiler.py:405( generate overlap table)
                0.000
                       0.000
                               0.000 init .py:424(<genexpr>)
     5
        0.000
        0.000
                               0.000 {method 'isidentifier' of 'str' objects}
     9
                0.000
                        0.000
        0.000
                       0.000
                               0.000 {built-in method builtins.issubclass}
    4
                0.000
     7
        0.000
                0.000
                        0.000
                               0.000 compiler.py:426( get iscased)
     7
                               0.000 {method 'items' of 'dict' objects}
        0.000
                0.000
                        0.000
                               0.000 enum.py:193( get )
     1
        0.000
                0.000
                        0.000
    11
        0.000
                                0.000 enum.py:1149( init )
                0.000
                        0.000
                               0.000 enum.py:804( members )
    2
        0.000
                0.000
                        0.000
                               0.000 random.py:787(SystemRandom)
     1
        0.000
                0.000
                        0.000
                               0.000 {method 'translate' of 'str' objects}
     1
        0.000
                0.000
                        0.000
                               0.000 {built-in method sys.intern}
     5
        0.000
                0.000
                        0.000
     2
                               0.000 typing.py:159( type convert)
        0.000
                0.000
                        0.000
     1
        0.000
                0.000
                               0.000 typing.py:247( collect parameters)
                        0.000
     1
        0.000
                0.000
                        0.000
                               0.000 functools.py:479(lru cache)
     1
        0.000
                0.000
                        0.000
                               0.000 code.py:162(InteractiveConsole)
```

```
0.000
               0.000
                               0.000 {built-in method sre.unicode iscased}
    5
                       0.000
    1
        0.000
               0.000
                       0.000
                               0.000 {built-in method math.exp}
        0.000
    1
                0.000
                       0.000
                               0.000 bdb.py:864(Tdb)
                       0.000
    5
               0.000
        0.000
                               0.000 < frozen
importlib. bootstrap>:795(is package)
                               0.000 {method 'disable' of 'lsprof.Profiler'
        0.000
                0.000
                       0.000
objects}
        0.000
                               0.000 enum.py:1452(<listcomp>)
    1
               0.000
                       0.000
                               0.000 enum.py:1638( simple enum)
    2
        0.000
                0.000
                       0.000
                               0.000 {built-in method sre.ascii iscased}
    4
        0.000
                0.000
                       0.000
        0.000
               0.000
                               0.000 {built-in method sre.ascii tolower}
    4
                       0.000
        0.000
                               0.000 {method 'contains 'of 'frozenset'
    5
                0.000
                       0.000
objects}
        0.000
               0.000
                       0.000
                               0.000 parser.py:288(seek)
    1
        0.000
               0.000
                       0.000
                               0.000 typing.py:1358(<genexpr>)
    3
    1
        0.000
               0.000
                       0.000
                               0.000 traceback.py:625( ExceptionPrintContext)
                               0.000 {built-in method builtins.any}
    4
        0.000
                0.000
                       0.000
                               0.000 signal.py:48( wraps)
        0.000
               0.000
                       0.000
    3
        0.000
               0.000
                       0.000
                               0.000 codeop.py:109(Compile)
    1
               0.000
                       0.000
                               0.000 enum.py:1373(<lambda>)
    2
        0.000
        0.000
                       0.000
    1
                0.000
                               0.000 pdb.py:119( rstr)
        0.000
               0.000
                       0.000
                               0.000 bdb.py:13(BdbQuit)
    1
        0.000
               0.000
                       0.000
                               0.000 traceback.py:90( Sentinel)
    1
        0.000
               0.000
                       0.000
                               0.000 {method 'items' of 'mappingproxy' objects}
    2
        0.000
               0.000
                               0.000 pdb.py:90(Restart)
    1
                       0.000
                               0.000 codeop.py:124(CommandCompiler)
        0.000
    1
                0.000
                       0.000
    1
        0.000
               0.000
                       0.000
                               0.000 functools.py:972( set name )
        0.000
    1
                               0.000 <string>:1(<module>)
                0.000
                       0.000
               0.000
                               0.000 {method 'setdefault' of 'dict' objects}
    1
        0.000
                       0.000
               0.000
                       0.000
                               0.000 {built-in method builtins.globals}
    1
        0.000
        0.000
               0.000
                       0.000
                               0.000 enum.py:1256(value)
    1
    1
                               0.000 {built-in method sys. getframe}
        0.000
                0.000
                       0.000
                               0.000 {method ' init subclass 'of 'object'
     1
        0.000
                0.000
                       0.000
objects}
```