```
PS C:\Users\Sebastian> python -m cProfile "c:/Users/Sebastian/OneDrive/Computer Science/Cs 3er Semestre/Estructura de Datos/ejercicio.py
Del siguiente array:
[0, 1, 3, 5, 4, -1, 6, 7]
El segundo mayor es: 6
         524 function calls (523 primitive calls) in 0.002 seconds
   Ordered by: standard name
   ncalls tottime percall cumtime percall filename:lineno(function)
                                         0.001 <frozen importlib._bootstrap>:1002(_find_and_load)
             0.000
                      0.000
                                0.001
             0.000
                      0.000
                                0.000
                                         0.000 <frozen importlib._bootstrap>:112(release)
             0.000
                                         0.000 <frozen importlib._bootstrap>:152(__init__)
                      9.999
                                9.999
                                        0.000 <frozen importlib._bootstrap>:156(__enter
0.000 <frozen importlib._bootstrap>:160(__exit__
             0.000
                      0.000
                                0.000
             0.000
                      0.000
                                0.000
             0.000
                      0.000
                                0.000
                                         0.000 <frozen importlib._bootstrap>:166(_get_module_lock)
             0.000
                      0.000
                                0.000
                                         0.000 <frozen importlib. bootstrap>:185(cb)
                                         0.000 <frozen importlib._bootstrap>:220(_call_with_frames_removed)
             0.000
                      0.000
                                0.000
       21
             0.000
                      0.000
                                0.000
                                         0.000 <frozen importlib. bootstrap>:231( verbose message)
                                         0.000 frozen importlib._bootstrap>:35(_new_module)
             0.000
                                0.000
                      0.000
                                         0.000 <frozen importlib. bootstrap>:351(_init__)
             0.000
                      0.000
                                0.000
             0.000
                      9.999
                                9.999
                                         0.000 <frozen importlib._bootstrap>:385(cached)
        2
             0.000
                      0.000
                                0.000
                                         0.000 <frozen importlib._bootstrap>:398(parent)
             0.000
                      0.000
                                0.000
                                         0.000 <frozen importlib._bootstrap>:406(has_location)
             0.000
                      0.000
                                0.000
                                         0.000 <frozen importlib._bootstrap>:486(_init_module_attrs)
                                         0.000 <frozen importlib._bootstrap>:558(module_from_spec)
             0.000
                      0.000
                                0.000
             0.000
                                         0.000 <frozen importlib._bootstrap>:58(__init__)
                      0.000
                                0.000
             0.000
                                         0.000 <frozen importlib. bootstrap>:659( load unlocked)
                      0.000
                                0.000
             0.000
                                0.000
                                         0.000 <frozen importlib._bootstrap>:736(find_spec)
                      0.000
             0.000
                      0.000
                                         0.000 <frozen importlib._bootstrap>:811(find_spec)
                                0.000
             0.000
                      0.000
                                0.000
                                         0.000 <frozen importlib._bootstrap>:87(acquire)
                                         0.000 <frozen importlib._bootstrap>:874(__enter
             0.000
                      0.000
                                0.000
             0.000
                      0.000
                                0.000
                                         0.000 <frozen importlib. bootstrap>:878(_exit__)
                                         0.000 <frozen importlib._bootstrap>:901(_find_spec)
        1
             0.000
                      0.000
                                0.000
             0.000
                      0.000
                                0.001
                                         0.001 <frozen importlib._bootstrap>:967(_find_and_load_unlocked)
             a aaa
                      a aaa
                                a aaa
                                         0.000 <frozen importlib._bootstrap_external>:1006(__init__)
                                         0.000 <frozen importlib. bootstrap external>:1031(get filename)
             0.000
                      0.000
                                0.000
                                         0.000 <frozen importlib._bootstrap_external>:1036(get_data)
             0.000
                      0.000
                                0.000
             0.000
                      0.000
                                0.000
                                         0.000 <frozen importlib._bootstrap_external>:1077(path_stats)
                                         0.000 <frozen importlib. bootstrap external>:114(<listcomp>)
             0.000
                      0.000
                                0.000
       20
        2
             0.000
                      0.000
                                0.000
                                         0.000 <frozen importlib._bootstrap_external>:127(_path_split)
             0.000
                      0.000
                                0.000
                                         0.000 <frozen importlib._bootstrap_external>:129(<genexpr>)
             9.999
                               0.000
                                         0.000 <frozen importlib._bootstrap_external>:1324(_path_hooks)
                      0.000
                                         0.000 <frozen importlib. bootstrap_external>:1337(_path_importer_cache)
             0.000
                      0.000
                                0.000
             a aaa
                      0.000
                                a aaa
                                         0.000 <frozen importlib._bootstrap_external>:135(_path_stat)
             0.000
                      0.000
                                0.000
                                         0.000 <frozen importlib. bootstrap external>:1374( get spec)
             0.000
                                0.000
                                         0.000 <frozen importlib._bootstrap_external>:1406(find_spec)
                      0.000
             0.000
                      0.000
                                0.000
                                         0.000 <frecome importlib._bootstrap_external>:145(_path_is_mode_type)
                               0.000
             0.000
                      0.000
                                         0.000 <frozen importlib._bootstrap_external>:1466(__init__)
        8
             0.000
                      0.000
                                0.000
                                         0.000 <frozen importlib._bootstrap_external>:1472(<genexpr>)
                                         0.000 <frozen importlib. bootstrap external>:1500( get spec)
             0.000
                      0.000
                                0.000
                                         0.000 <frozen importlib._bootstrap_external>:1505(find_spec)
                               0.000
        4
             0.000
                      0.000
             0.000
                      0.000
                                         0.000 <frozen importlib. bootstrap external>:154( path isfile)
                                0.000
                                         0.000 <frozen importlib._bootstrap_external>:1556( fill cache)
             0.000
                      0.000
                                0.000
```

0.000 <frozen importlib. bootstrap external>:1585(<setcomp>)

0.000

0.000

0.000

```
0.000
                          0.000
                                    0.000 <frozen importlib._bootstrap_external>:159(_path_isdir)
       0.000
       0.000
                 0.000
                          0.000
                                    0.000 <frozen importlib. bootstrap external>:1597(path hook for FileFinder)
                                    0.000 <frozen importlib._bootstrap_external>:167(_path_isabs)
                          0.000
       0.000
                0.000
       0.000
                 0.000
                          0.000
                                    0.000 <frozen importlib._bootstrap_external>:361(cache_from_source)
                          0.000
       0.000
                0.000
                                    0.000 <frozen importlib._bootstrap_external>:491(_get_cached)
       0.000
                0.000
                          0.000
                                    0.000 <frozen importlib._bootstrap_external>:523(_check_name_wrapper)
                                    0.000 <frozen importlib. bootstrap_external>:560(_classify_pyc)
       0.000
                0.000
                          0.000
                                    0.000 frozen importlib._bootstrap_external>:621(_validate_hash_pyc)
       0.000
                0.000
                          0.000
       0.000
                0.000
                          0.000
                                    0.000 <frozen importlib._bootstrap_external>:64(_relax_case)
                                    0.000 <frozen importlib._bootstrap_external>:645(_compile_bytecode)
                          0.000
       0.000
                0.000
       0.000
                 0.000
                          0.000
                                    0.000 <frozen importlib._bootstrap_external>:696(spec_from_file_location)
                          0.000
       0.000
                0.000
                                    0.000 <frozen importlib._bootstrap_external>:79(_unpack_uint32)
       0.000
                0.000
                          0.000
                                    0.000 <frozen importlib._bootstrap_external>:841(create_module)
       0.000
                0.000
                          0.000
                                    0.000 <frozen importlib._bootstrap_external>:844(exec module)
 20
       0.000
                0.000
                          0.000
                                    0.000 <frozen importlib._bootstrap_external>:91(_path_join)
       0.000
                0.000
                          0.000
                                    0.000 <frozen importlib._bootstrap_external>:916(get_code)
                                    0.000 <frozen zipimport>:63(__init__)
       0.000
                9.999
                          0.000
  1
       0.000
                0.000
                          0.000
                                    0.000 cProfile.py:27(Profile)
                                    0.000 cProfile.py:3(<module>)
       0.000
                0.000
                          0.000
       0.000
                0.000
                          0.001
                                    0.001 ejercicio.py:1(<module>)
       0.000
                0.000
                          0.000
                                    0.000 {built-in method _imp._fix_co_filename}
       0.000
                0.000
                          0.000
                                    0.000 {built-in method _imp.acquire_lock}
                                   0.000 {built-in method _imp.is_builtin}
0.000 {built-in method _imp.is_frozen}
       0.000
                0.000
                          0.000
       0.000
                          0.000
                0.000
                                    0.000 {built-in method _imp.release_lock}
       0.000
                0.000
                          0.000
                0.000
                          0.000
                                    0.000 {built-in method _imp.source_hash}
       0.000
       0.000
                0.000
                          0.000
                                    0.000 {built-in method _thread.allocate_lock}
                                    0.000 {built-in method _thread.get_ident}
       0.000
                0.000
                          0.000
 2
       0.000
                0.000
                          0.000
                                    0.000 {built-in method builtins.__build_class__}
2/1
       0.000
                0.000
                          0.002
                                    0.002 {built-in method builtins.exec}
                          0.000
                                    0.000 {built-in method builtins.getattr}
                0.000
       0.000
                                    0.000 {built-in method builtins.hasattr}
       0.000
                0.000
                          0.000
 9
       0.000
                0.000
                          0.000
                                    0.000 {built-in method builtins.isinstance}
 50
       0.000
                0.000
                          0.000
                                    0.000 {built-in method builtins.len}
       0.000
                0.000
                          0.000
                                    0.000 {built-in method builtins.max}
       0.001
                0.000
                          0.001
                                    0.000 {built-in method builtins.print}
       0.000
                0.000
                          0.000
                                    0.000 {built-in method from bytes}
                                    0.000 {built-in method io.open_code}
       0.000
                0.000
                          0.000
       0.000
                0.000
                          0.000
                                    0.000 {built-in method marshal.loads}
       0.000
                0.000
                          0.000
                                    0.000 {built-in method nt._path_splitroot}
       0.000
                0.000
                          0.000
                                    0.000 {built-in method nt.fspath}
                                    0.000 {built-in method nt.listdir}
       0.000
                0.000
                          0.000
                                    0.000 {built-in method nt.stat}
       0.000
                0.000
                          0.000
                                   0.000 {method '__exit__' of '_io._IOBase' objects}
0.000 {method '__exit__' of '_thread.lock' objects}
       0.000
                0.000
                          0.000
       0.000
                0.000
                          0.000
                                    0.000 {method 'add' of 'set' objects}
       0.000
                0.000
                          0.000
                0.000
                          0.000
                                    0.000 {method 'append' of 'list' objects}
 22
       0.000
                                                  'disable' of '_lsprof.Profiler' objects}
'endswith' of 'str' objects}
                          0.000
                                    0.000 {method
 1
       0.000
                 0.000
       0.000
                0.000
                          0.000
                                    0.000 (method
 66
                                    0.000 {method 'extend' of 'list' objects}
       0.000
                0.000
                          0.000
                                    0.000 {method 'format' of 'str' objects}
                0.000
                          0.000
       0.000
                                                   'get' of 'dict' objects}
 2
       0.000
                0.000
                          0.000
                                    0.000 {method
                                                   'join' of 'str' objects}
       0.000
                0.000
                          0.000
                                    0.000 {method
 22
                                    0.000 {method 'lower' of 'str' objects}
       0.000
                0.000
                          0.000
       0.000
                0.000
                          0.000
                                   0.000 {method 'partition' of 'str' objects}
```

PROBLEMS	OUTPUT	DEBUG CONSOLE	TERMINAL	
1	0.000	0.00 0.00	99.99	{built-in method ntpath_splitroot}
3	0.000	0.00 0.00	99.99	{built-in method nt.fspath}
1	0.000	0.000 0.00	99.99	{built-in method nt.listdir}
8	0.000	0.00 0.00	99.99	{built-in method nt.stat}
2	0.000	0.000 0.00	0.000	{method 'exit' of '_ioIOBase' objects}
2	0.000	0.000 0.00	0.000	{method 'exit' of '_thread.lock' objects}
1	0.000	0.000 0.00	0.000	{method 'add' of 'set' objects}
22	0.000	0.000 0.00	99 9.999	{method 'append' of 'list' objects}
1	0.000	0.000 0.00	99 9.999	<pre>{method 'disable' of '_lsprof.Profiler' objects}</pre>
66	0.000	0.000 0.00	99 9.999	<pre>{method 'endswith' of 'str' objects}</pre>
3	0.000	0.000 0.00	99 9.999	{method 'extend' of 'list' objects}
1	0.000	0.000 0.00	99 9.999	{method 'format' of 'str' objects}
2	0.000	0.000 0.00	99 9.999	<pre>{method 'get' of 'dict' objects}</pre>
22	0.000	0.000 0.00	99 9.999	{method 'join' of 'str' objects}
2	0.000	0.000 0.00	99 9.999	{method 'lower' of 'str' objects}
1	0.000	0.000 0.00	99 9.999	{method 'partition' of 'str' objects}
1	0.000	0.000 0.00	99 9.999	<pre>{method 'pop' of 'dict' objects}</pre>
2	0.000	0.000 0.00	99 9.999	<pre>{method 'read' of '_io.BufferedReader' objects}</pre>
2	0.000	0.000 0.00		<pre>{method 'replace' of 'str' objects}</pre>
4	0.000	0.000 0.00	90 0.000	<pre>{method 'rfind' of 'str' objects}</pre>
8	0.000	0.000 0.00	90 0.000	<pre>{method 'rpartition' of 'str' objects}</pre>
62	0.000	0.000 0.00	90 0.000	<pre>{method 'rstrip' of 'str' objects}</pre>
45	0.000	0.000 0.00	90 0.000	<pre>{method 'startswith' of 'str' objects}</pre>

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