

Test Case Outcomes

1. Both files smaller than memory allocated (and both of different size)

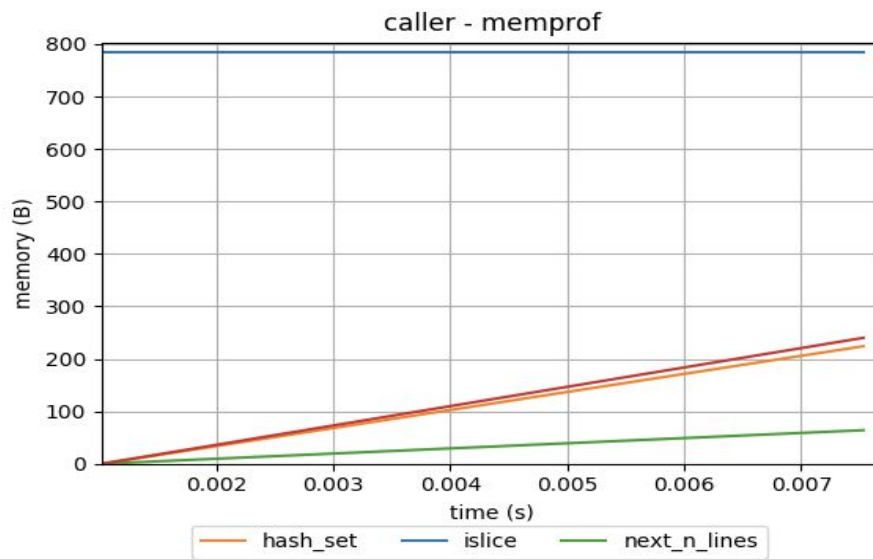
Terminal Output -

```
..ge/test_cases
→ test_cases git:(test_cases) x python3 -m memprof -p -t 10 tester.py 'file_1' 'file_2' 2
memprof starting (min. size: 10)

*****
0s (+0s)
*****
islice: 784.00 B

*****
0s (+0s)
*****
hash_set: 224.00 B
next_n_lines: 64.00 B
islice: 784.00 B      (0.00 B)
__warningregistry__: 240.00 B
memprof done
Number of matches - 5
```

Memory Profiler Output -



Test Case Outcomes

2. One file smaller and one larger -

```
+ test_cases git:(test_cases) * python3 -m memprof -p -t 10 tester.py 'file_2' 'file_5' 2
memprof starting (min. size: 10)

*****
0s (+0s)
*****
islice: 784.00 B
Call

*****
0s (+0s)
*****
hash_set: 8416.00 B
islice: 784.00 B      (0.00 B)

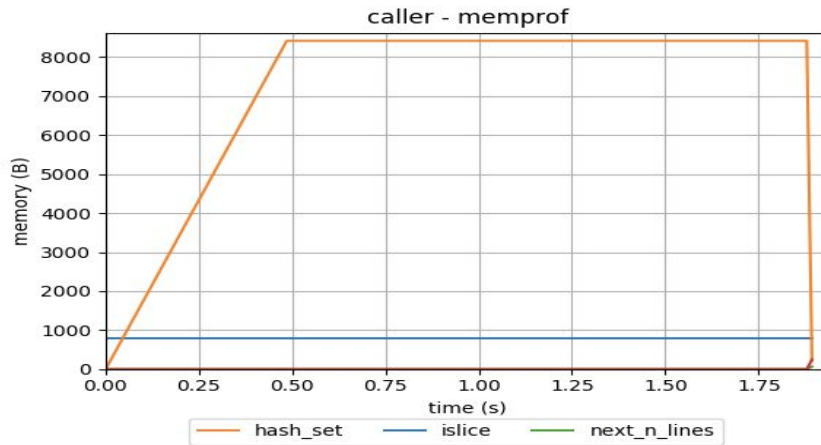
*****
0s (+0s)
*****
hash_set: 8416.00 B      (0.00 B)
islice: 784.00 B      (0.00 B)

*****
1s (+0s)
*****
hash_set: 8416.00 B      (0.00 B)
islice: 784.00 B      (0.00 B)

*****
1s (+0s)
*****
hash_set: 8416.00 B      (0.00 B)
islice: 784.00 B      (0.00 B)
Call

*****
1s (+0s)
*****
hash_set: 224.00 B      (-8192.00 B)
next_n_lines: 64.00 B
islice: 784.00 B      (0.00 B)
__warningregistry__: 240.00 B
memprof done
Number of matches - 3
```

Memory profiler output



Test Case Outcomes

3. Both files larger -

```
*****
109s (+0s)
*****
hash_set: 524512.00 B (0.00 B)
islice: 784.00 B (0.00 B)
__warningregistry__: 240.00 B (0.00 B)

*****
109s (+0s)
*****
hash_set: 524512.00 B (0.00 B)
islice: 784.00 B (0.00 B)
__warningregistry__: 240.00 B (0.00 B)

*****
109s (+0s)
*****
hash_set: 524512.00 B (0.00 B)
islice: 784.00 B (0.00 B)
__warningregistry__: 240.00 B (0.00 B)

*****
110s (+0s)
*****
hash_set: 524512.00 B (0.00 B)
islice: 784.00 B (0.00 B)
__warningregistry__: 240.00 B (0.00 B)

*****
110s (+0s)
*****
hash_set: 524512.00 B (0.00 B)
islice: 784.00 B (0.00 B)
__warningregistry__: 240.00 B (0.00 B)

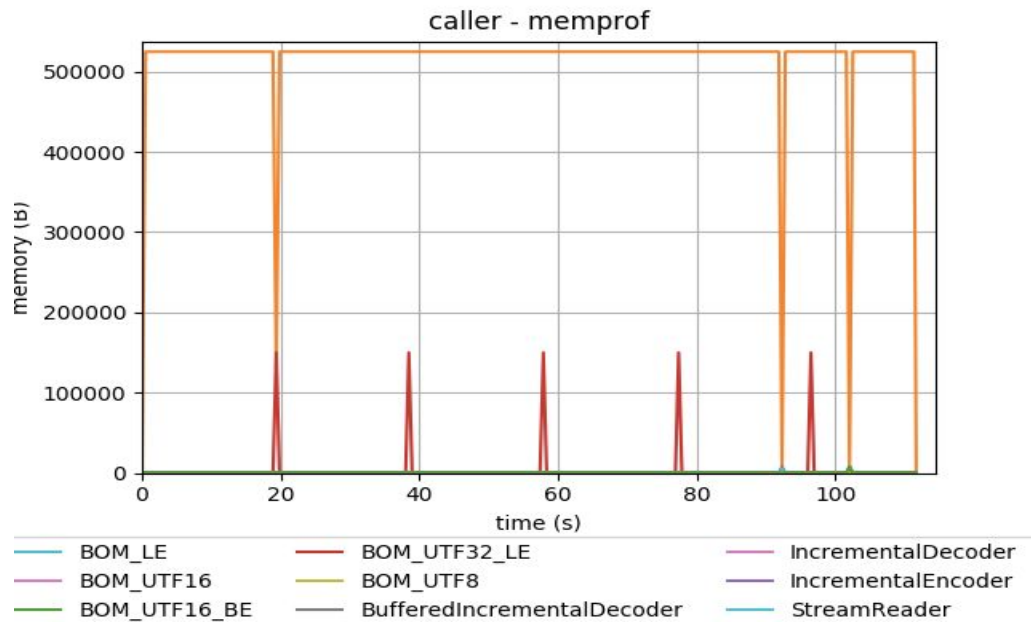
*****
111s (+0s)
*****
hash_set: 524512.00 B (0.00 B)
islice: 784.00 B (0.00 B)
__warningregistry__: 240.00 B (0.00 B)

*****
111s (+0s)
*****
hash_set: 224.00 B (-524288.00 B)
next_n_lines: 64.00 B (-149992.00 B)
islice: 784.00 B (0.00 B)
__warningregistry__: 240.00 B (0.00 B)
memprof done
Number of matches - 21
```

- Using file_4 and file_5

Memory profiler -

Test Case Outcomes



4. Both files are the same -

```
[→ test_cases git:(test_cases) ✗ python3 -m memprof -p -t 10 tester.py 'file_2' 'file_2' 2
memprof starting (min. size: 10)

*****
0s (+0s)
*****
islice: 784.00 B

*****
0s (+0s)
*****
hash_set: 224.00 B
next_n_lines: 64.00 B
islice: 784.00 B (0.00 B)
__warningregistry__: 240.00 B
memprof done
Number of matches - 100
```

Test Case Outcomes

Memory profiler -

