Filename: les6_taskl.py

Line #			Line Contents
22		14.617 MiB	@profile
23			<pre>def max_negl(a_max_size):</pre>
24	14.629 MiB	0.012 MiB	<pre>inf = float('inf')</pre>
25	14.629 MiB	0.000 MiB	<pre>max_neg_elem = -inf</pre>
26	14.629 MiB	0.000 MiB	<pre>max_neg_elem_i = -inf</pre>
27			
28	14.629 MiB	0.000 MiB	<pre>a = [random.randint(-1000, 1000) for _ in range(0, a_max_size)]</pre>
29			# for item in a:
30			<pre># print(f'{item:>5}',end ='')</pre>
31	14.629 MiB	0.000 MiB	for i,elem in enumerate(a):
32	14.629 MiB	0.000 MiB	<pre>if elem < 0 and elem > max_neg_elem:</pre>
33	14.629 MiB	0.000 MiB	max_neg_elem = elem
34	14.629 MiB	0.000 MiB	<pre>max_neg_elem_i = i</pre>
35	14.629 MiB	0.000 MiB	<pre>if max_neg_elem > -inf:</pre>
36			<pre># print()</pre>
37			<pre># print('Index:')</pre>
38			<pre># print(max_neg_elem_i)</pre>
39			<pre># print('Max negative element:')</pre>
40			<pre># print(max_neg_elem)</pre>
41	14.629 MiB	0.000 MiB	return (max_neg_elem_i,max_neg_elem)

Filename: les6_task2.py

Line #			Line Contents
5		14.594 MiB	@profile
6			<pre>def max_neg2(a_max_size):</pre>
7	14.605 MiB	0.012 MiB	<pre>inf = float('inf')</pre>
8	14.605 MiB	0.000 MiB	max_neg_elem = -inf
9	14.605 MiB	0.000 MiB	<pre>max_neg_elem_i = -inf</pre>
10			
11	14.605 MiB	0.000 MiB	<pre>a = {i :random.randint(-1000, 1000) for i in range(0, a_max_size)}</pre>
12			# for item in a:
13			<pre># print(f'{item:>5}',end ='')</pre>
14	14.605 MiB	0.000 MiB	for i,elem in a.items():
15	14.605 MiB	0.000 MiB	<pre>if elem < 0 and elem > max_neg_elem:</pre>
16	14.605 MiB	0.000 MiB	max_neg_elem = elem
17	14.605 MiB	0.000 MiB	<pre>max_neg_elem_i = i</pre>
18	14.605 MiB	0.000 MiB	<pre>if max_neg_elem > -inf:</pre>
19			<pre># print()</pre>
20			<pre># print('Index:')</pre>
21			<pre># print(max_neg_elem_i)</pre>
22			<pre># print('Max negative element:')</pre>
23			<pre># print(max_neg_elem)</pre>
24	14.605 MiB	0.000 MiB	return (max_neg_elem_i, max_neg_elem)

Filename: les6_task3.py

Line #	Mem usage	Increment	Line Contents
5	14.586 MiB	14.586 MiB	@profile
6			<pre>def max_neg3(a_max_size):</pre>
7	14.586 MiB	0.000 MiB	<pre>a = [random.randint(-1000, 1000) for i in range(0, a_max_size)]</pre>
8	14.586 MiB	0.000 MiB	b = [value for value in a if value < 0]
9			
10	14.586 MiB	0.000 MiB	if len(b) > 0:
11	14.586 MiB	0.000 MiB	<pre>max_neg_elem = max(b)</pre>
12	14.586 MiB	0.000 MiB	for i,elem in enumerate(a):
13	14.586 MiB	0.000 MiB	<pre>if elem == max_neg_elem:</pre>
14	14.586 MiB	0.000 MiB	max_neg_elem_i = i
15	14.586 MiB	0.000 MiB	<pre>if a_max_size > 0:</pre>
16	14.586 MiB	0.000 MiB	return (max_neg_elem_i, max_neg_elem)
17			else:
18			return None