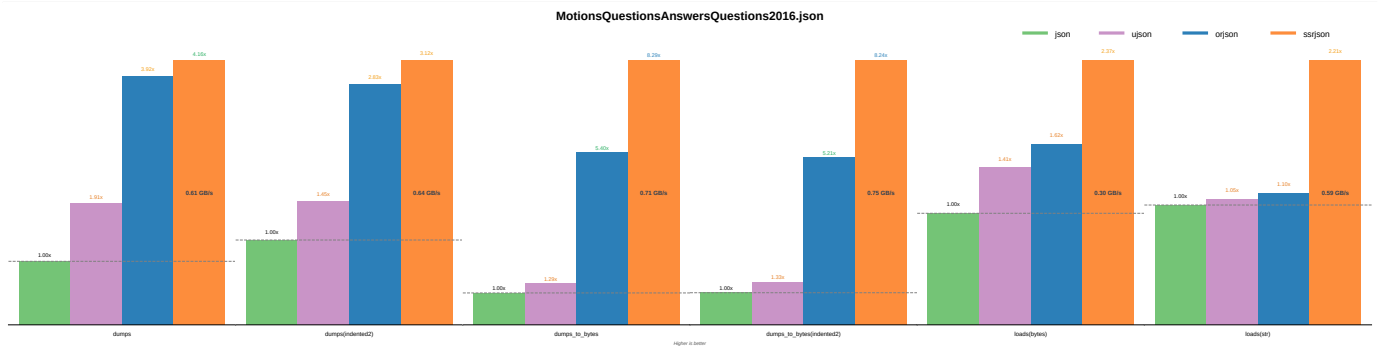
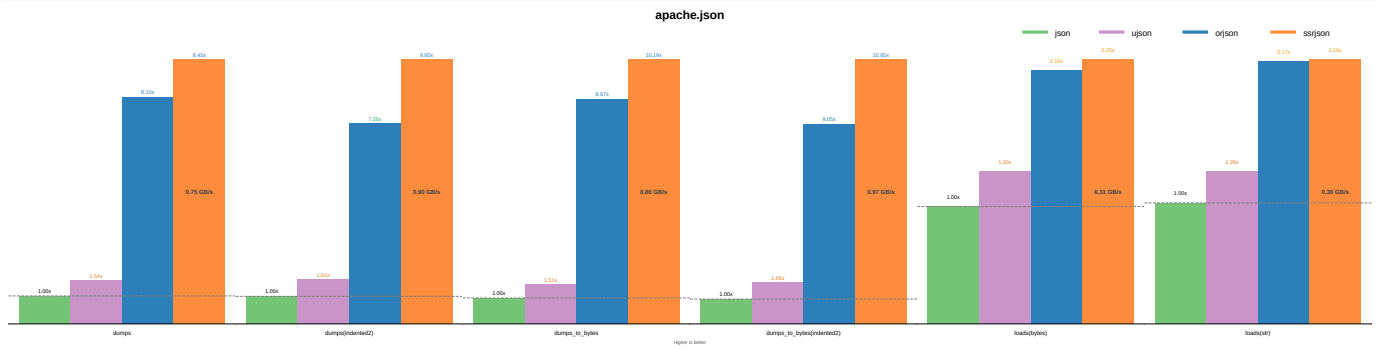
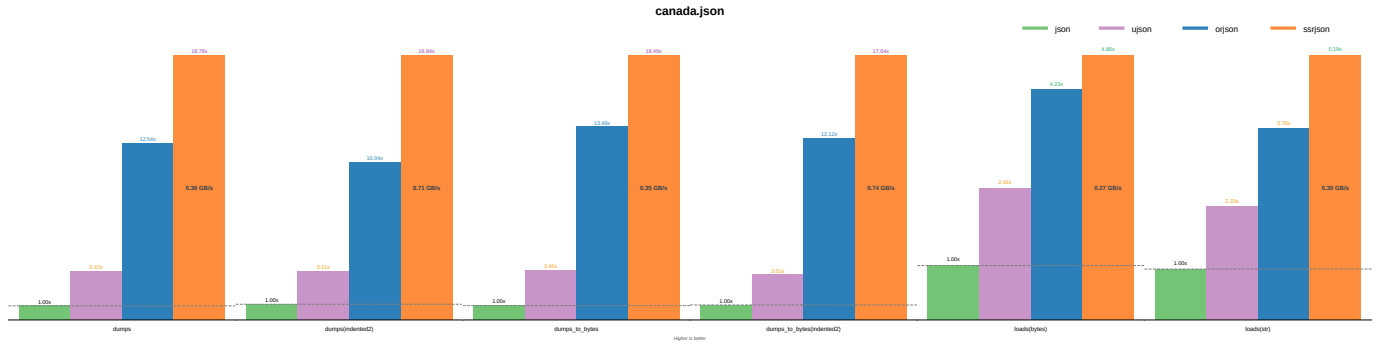
ssrJSON benchmark Report

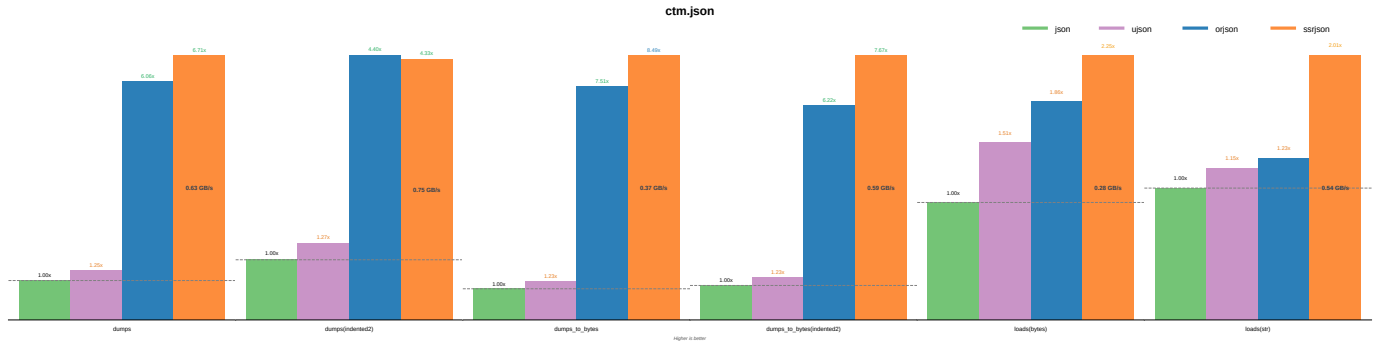
```
REV:            `0.0.7`
Python:         `3.13.7 (main, Aug 16 2025, 13:14:07) [GCC 14.2.1 20250207]`
Orjson:         `3.11.4`
Ujson:          `5.11.0`
Generated time: 2025-10-25 19:54:40 CDT
OS:             Linux aarch64 6.12.45-1-rpi-16k #1 SMP PREEMPT Sat Sep  6 08:35:55
                MDT 2025
SIMD flag:      {'MultiLib': True, 'SIMD': 'NEON'}
Chipset:        ARMv8 Processor rev 1 (v8l)
Memory:         7.868GiB
```

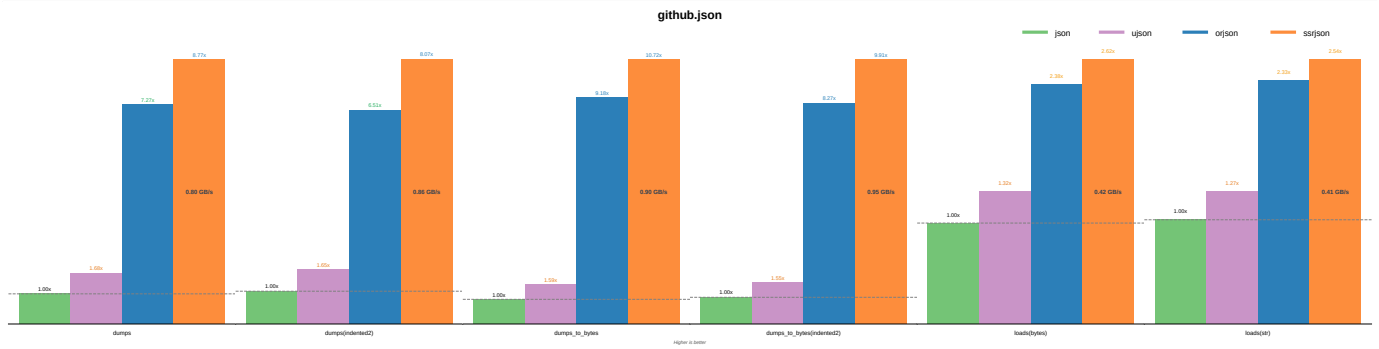
speed

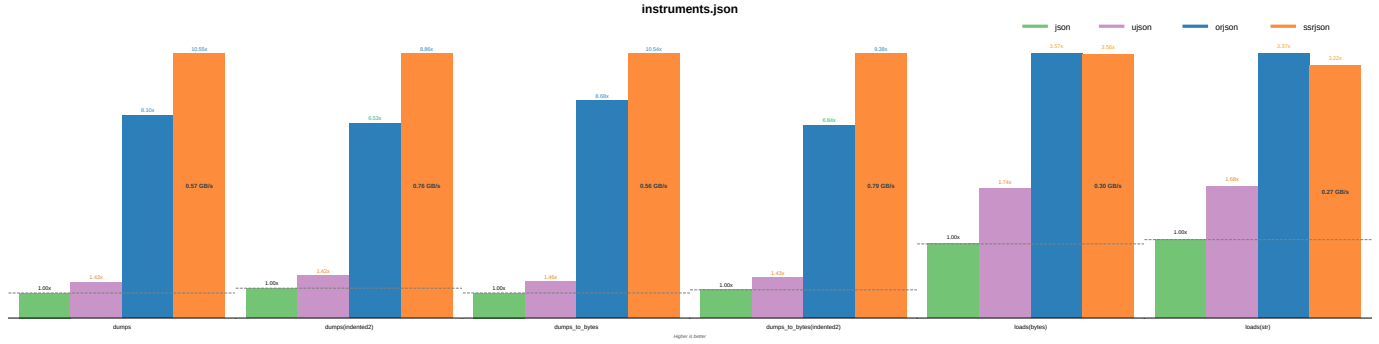


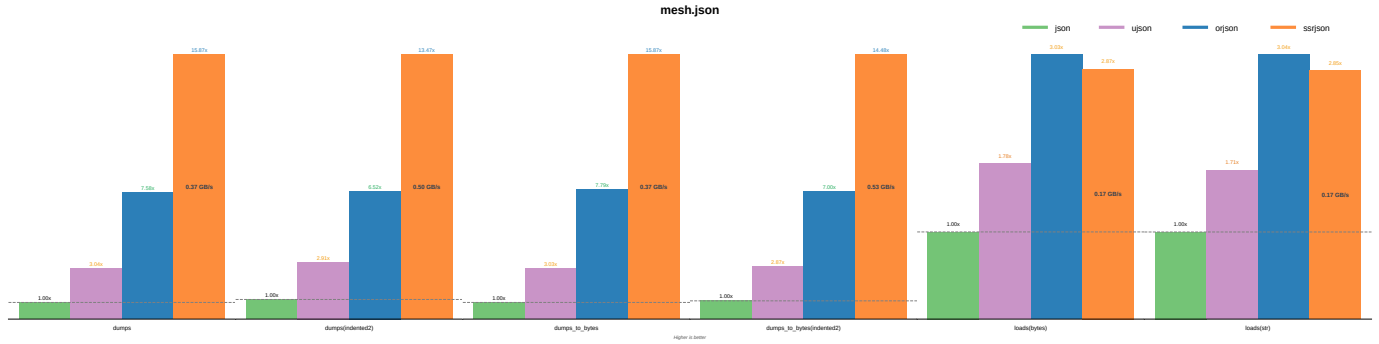


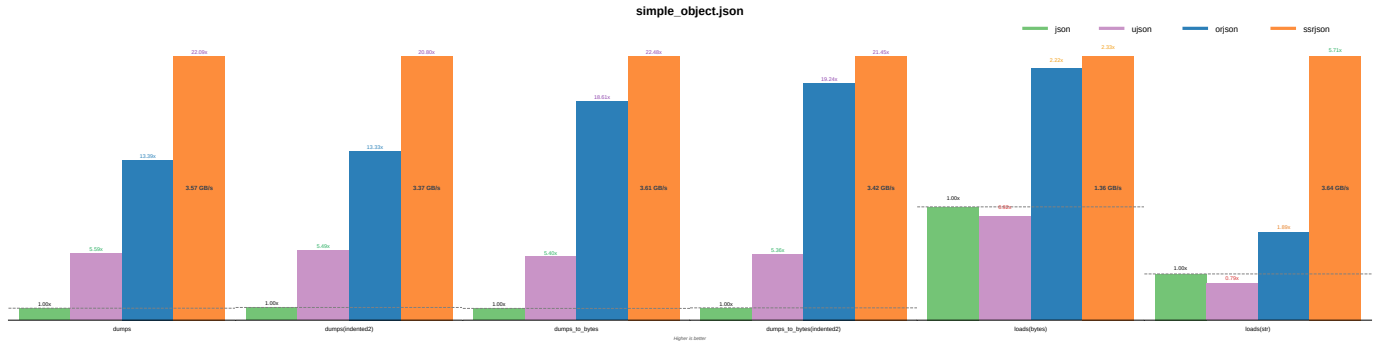


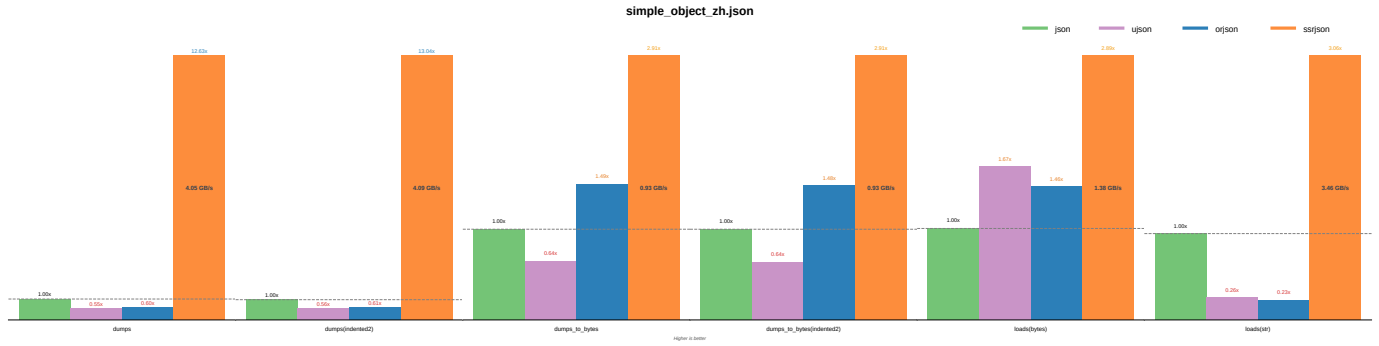

ctm.json
json
ujson
orjson
ssrjson
1.00x
1.25x
6.06x
6.71x
0.63 GB/s
1.00x
1.27x
4.40x
4.33x
0.75 GB/s
1.00x
1.23x
7.51x
8.49x
0.37 GB/s
1.00x
1.23x
6.22x
7.67x
0.59 GB/s
1.00x
1.51x
1.86x
2.26x
0.28 GB/s
1.00x
1.15x
1.23x
2.01x
0.54 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better

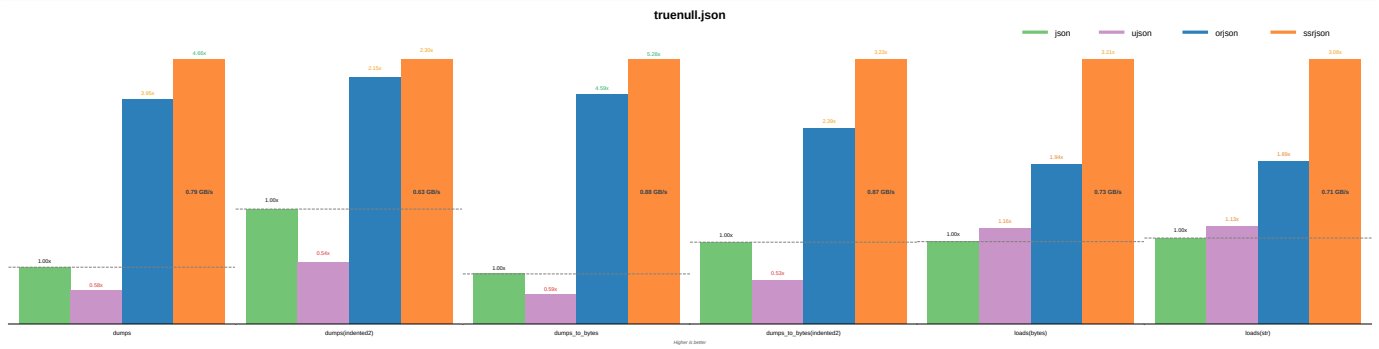

github.json
json
ujson
orjson
ssrjson
1.00x
1.68x
7.27x
8.77x
0.80 GB/s
1.00x
1.65x
6.51x
8.07x
0.86 GB/s
1.00x
1.59x
9.18x
10.72x
0.90 GB/s
1.00x
1.55x
8.27x
9.91x
0.95 GB/s
1.00x
1.32x
2.38x
2.62x
0.42 GB/s
1.00x
1.27x
2.33x
2.54x
0.41 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better

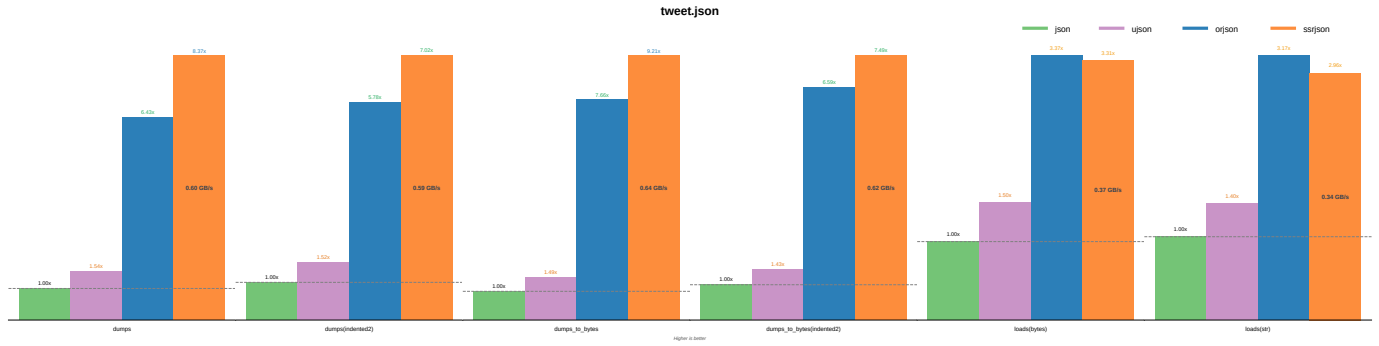

instruments.json
json
ujson
orjson
ssrjson
1.00x
1.43x
8.10x
10.55x
0.57 GB/s
1.00x
1.42x
6.53x
8.86x
0.76 GB/s
1.00x
1.46x
8.68x
10.54x
0.56 GB/s
1.00x
1.42x
6.84x
9.38x
0.79 GB/s
1.00x
1.74x
3.57x
2.59x
0.30 GB/s
1.00x
1.68x
3.37x
3.22x
0.27 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better

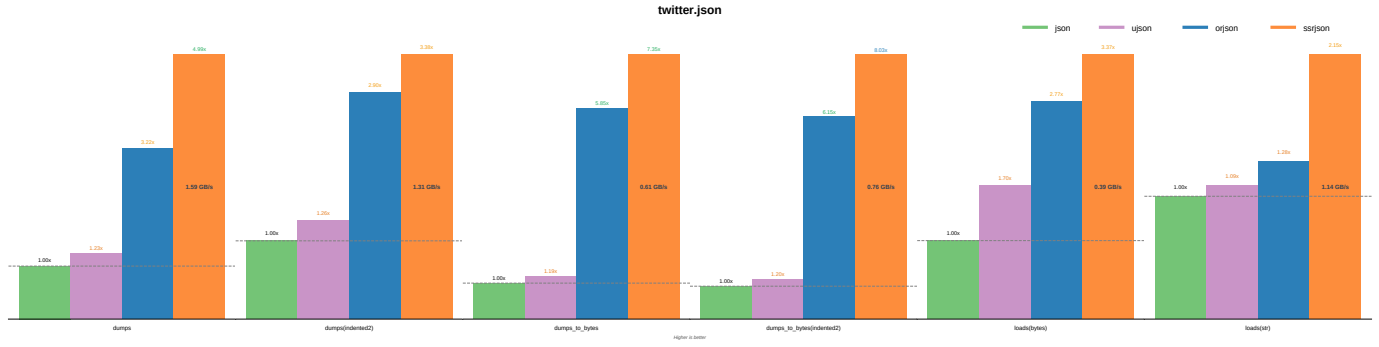

mesh.json
json
ujson
orjson
ssrjson
1.00x
3.04x
7.58x
15.87x
0.37 GB/s
1.00x
2.91x
6.52x
13.47x
0.50 GB/s
1.00x
3.03x
7.79x
15.87x
0.37 GB/s
1.00x
2.87x
7.00x
14.48x
0.53 GB/s
1.00x
1.78x
3.03x
2.87x
0.17 GB/s
1.00x
1.71x
3.04x
2.85x
0.17 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better


simple_object.json
json
ujson
orjson
ssrjson
1.00x
5.59x
13.39x
22.09x
3.57 GB/s
1.00x
5.49x
13.33x
20.80x
3.37 GB/s
1.00x
5.40x
18.61x
22.48x
3.61 GB/s
1.00x
5.36x
19.24x
21.45x
3.42 GB/s
1.00x
0.92x
2.22x
2.33x
1.36 GB/s
1.00x
0.79x
1.89x
5.71x
3.64 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better


simple_object_zh.json
json
ujson
orjson
ssrjson
1.00x
0.50x
0.88x
12.63x
4.05 GB/s
1.00x
0.50x
0.93x
13.04x
4.09 GB/s
1.00x
0.64x
1.49x
2.91x
0.93 GB/s
1.00x
0.64x
1.48x
2.91x
0.93 GB/s
1.00x
1.67x
1.46x
2.69x
1.38 GB/s
1.00x
0.26x
0.23x
3.00x
3.46 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better


truenull.json
json
ujson
orjson
ssrjson
1.00x
0.58x
3.95x
4.66x
0.79 GB/s
1.00x
0.56x
2.15x
2.30x
0.63 GB/s
1.00x
0.59x
4.59x
5.28x
0.88 GB/s
1.00x
0.53x
2.39x
3.23x
0.87 GB/s
1.00x
1.16x
1.94x
3.21x
0.73 GB/s
1.00x
1.13x
1.89x
3.00x
0.71 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better


tweet.json
json
ujson
orjson
ssrjson
1.00x
1.54x
6.43x
8.37x
0.60 GB/s
1.00x
1.52x
5.78x
7.02x
0.59 GB/s
1.00x
1.49x
7.66x
9.21x
0.64 GB/s
1.00x
1.43x
6.50x
7.49x
0.62 GB/s
1.00x
1.50x
3.37x
3.31x
0.37 GB/s
1.00x
1.40x
3.17x
2.90x
0.34 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better


twitter.json
json
ujson
orjson
ssrjson
1.00x
1.23x
3.22x
4.99x
1.59 GB/s
1.00x
1.26x
2.90x
3.38x
1.31 GB/s
1.00x
1.19x
5.85x
7.35x
0.61 GB/s
1.00x
1.20x
6.15x
8.03x
0.76 GB/s
1.00x
1.70x
2.77x
3.37x
0.39 GB/s
1.00x
1.09x
1.28x
2.15x
1.14 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better