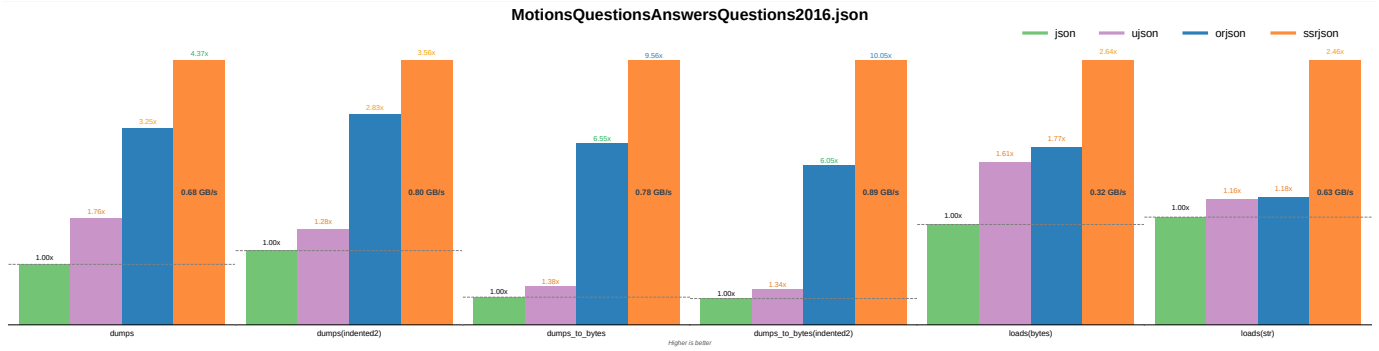
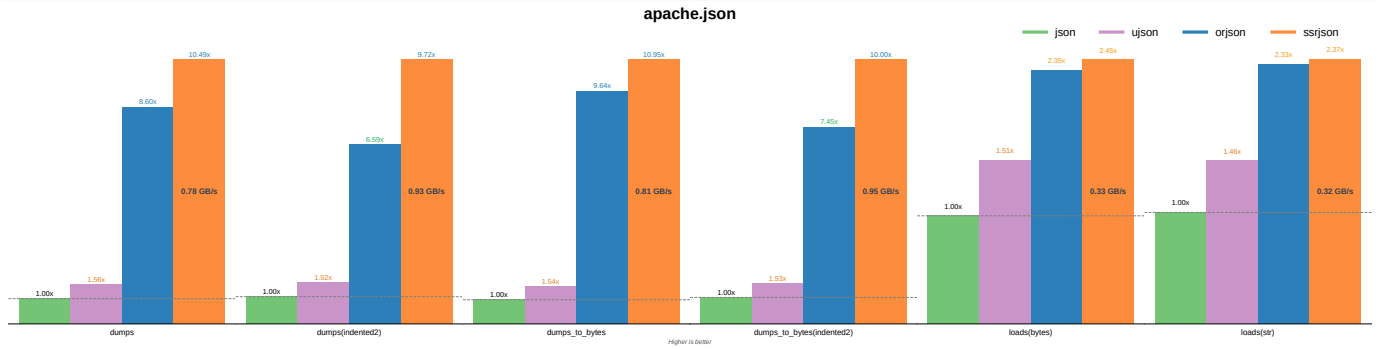
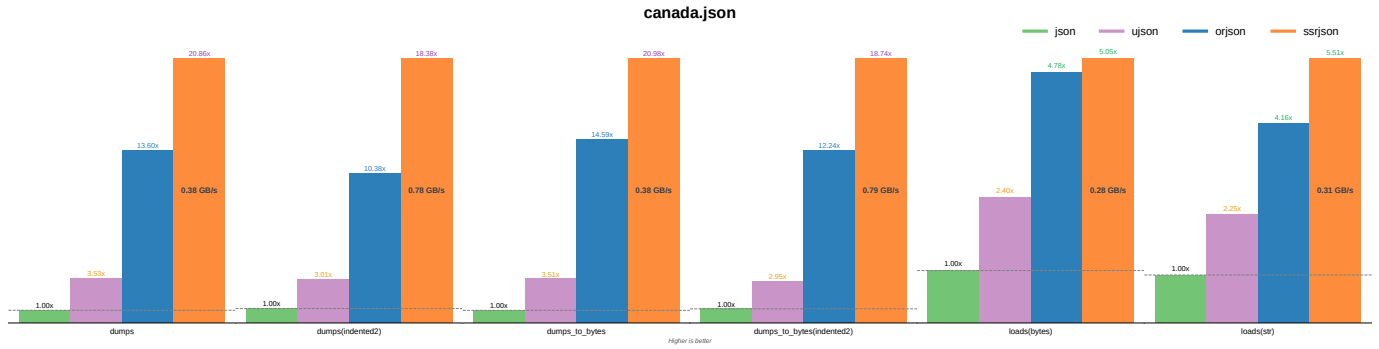
ssrJSON benchmark Report

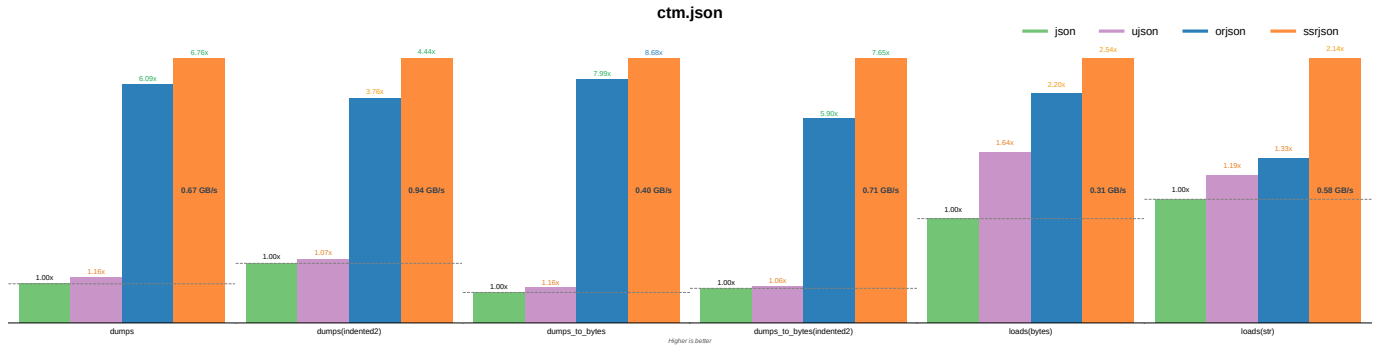
```
REV:            `0.0.6`
Python:         `3.14.0 (main, Oct  7 2025, 09:34:52) [GCC 14.3.0]`
Orjson:         `3.11.3`
Ujson:          `5.10.0`
Generated time: 2025-10-19 23:14:14 CST
OS:             Linux aarch64 6.12.34 #1-NixOS SMP Tue Jan  1 00:00:00 UTC 1980
SIMD flag:      {'MultiLib': True, 'SIMD': 'NEON'}
Chipset:
Memory:         7.844GiB
```

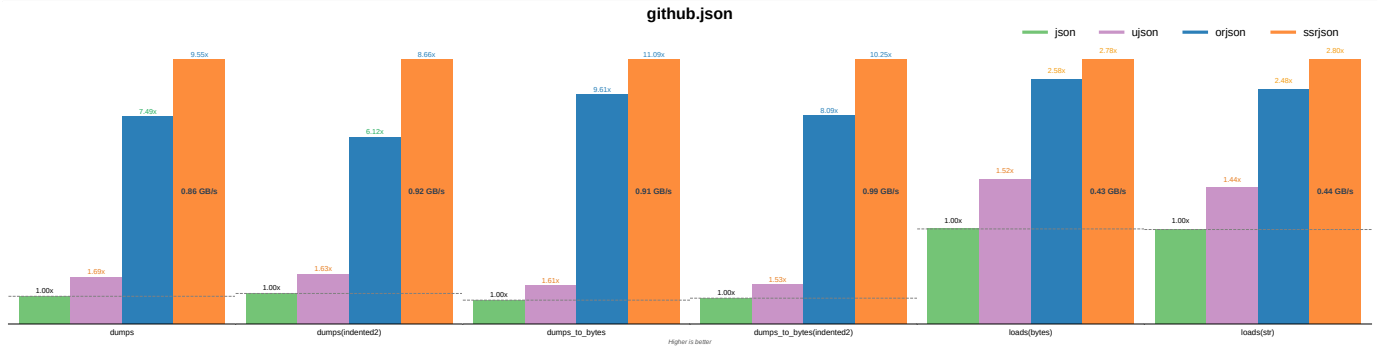
speed

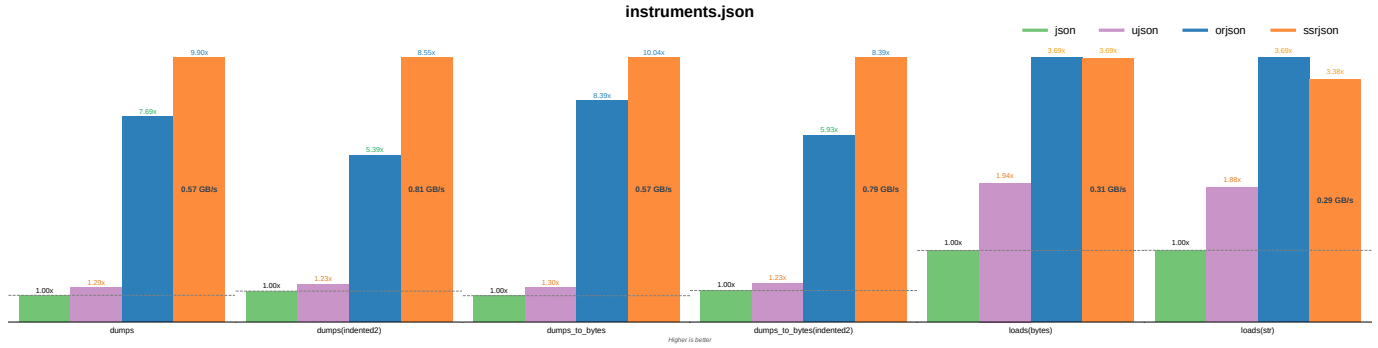


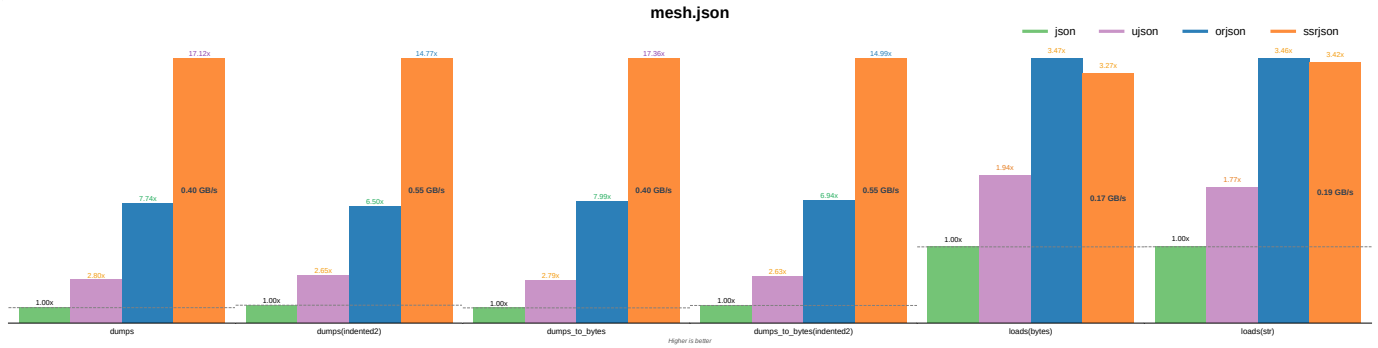


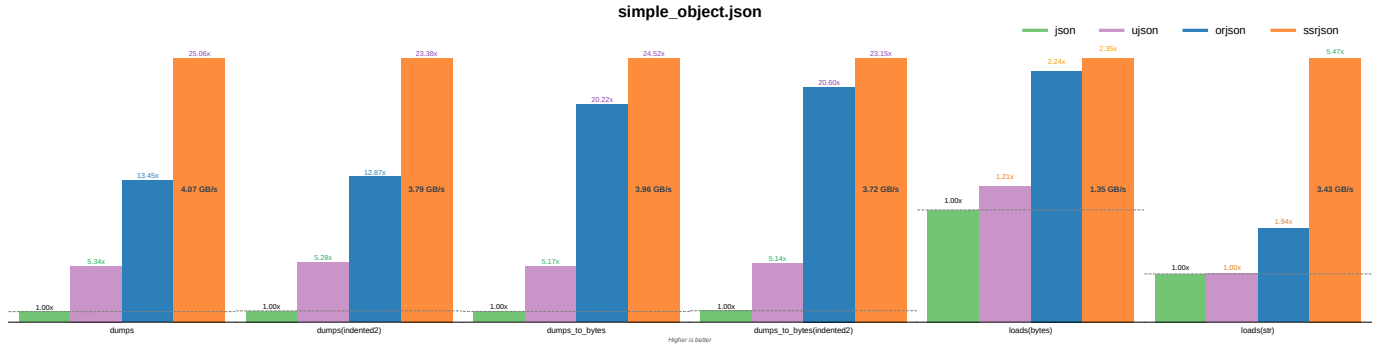


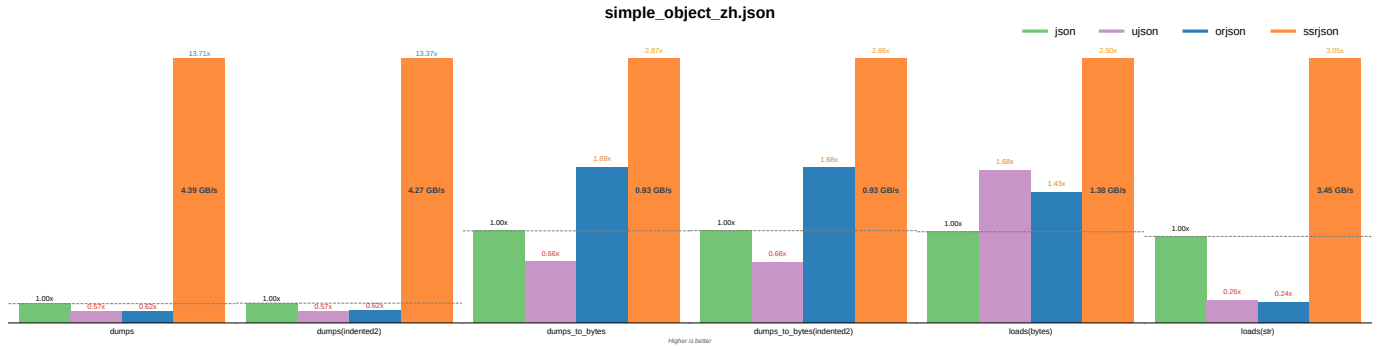

ctm.json
json
ujson
orjson
ssrjson
1.00x
1.16x
6.09x
6.76x
0.67 GB/s
1.00x
1.07x
3.76x
4.44x
0.94 GB/s
1.00x
1.16x
7.99x
8.68x
0.40 GB/s
1.00x
1.06x
5.90x
7.65x
0.71 GB/s
1.00x
1.64x
2.20x
2.54x
0.31 GB/s
1.00x
1.19x
1.33x
2.14x
0.58 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better

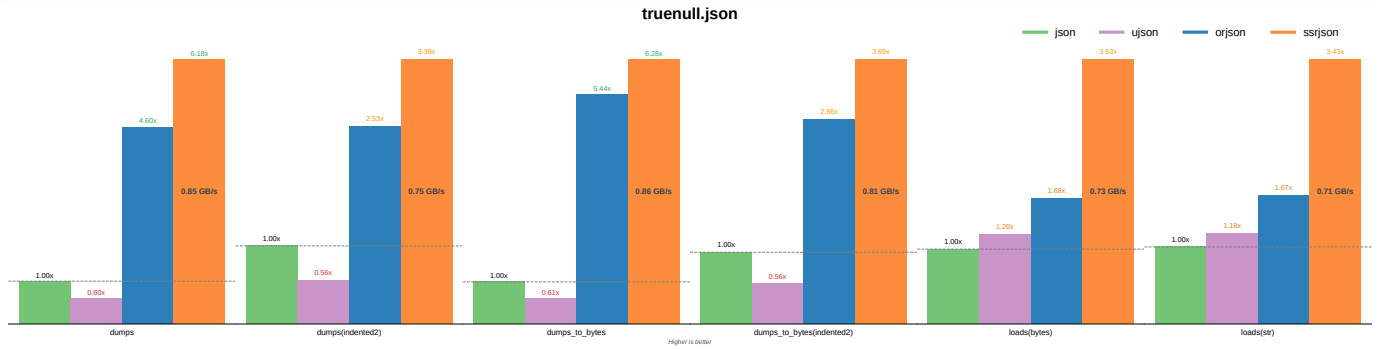

github.json
json
ujson
orjson
ssrjson
1.00x
1.69x
7.49x
9.55x
0.86 GB/s
1.00x
1.63x
6.12x
8.66x
0.92 GB/s
1.00x
1.61x
9.61x
11.09x
0.91 GB/s
1.00x
1.53x
8.09x
10.25x
0.99 GB/s
1.00x
1.52x
2.58x
2.78x
0.43 GB/s
1.00x
1.44x
2.48x
2.80x
0.44 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better

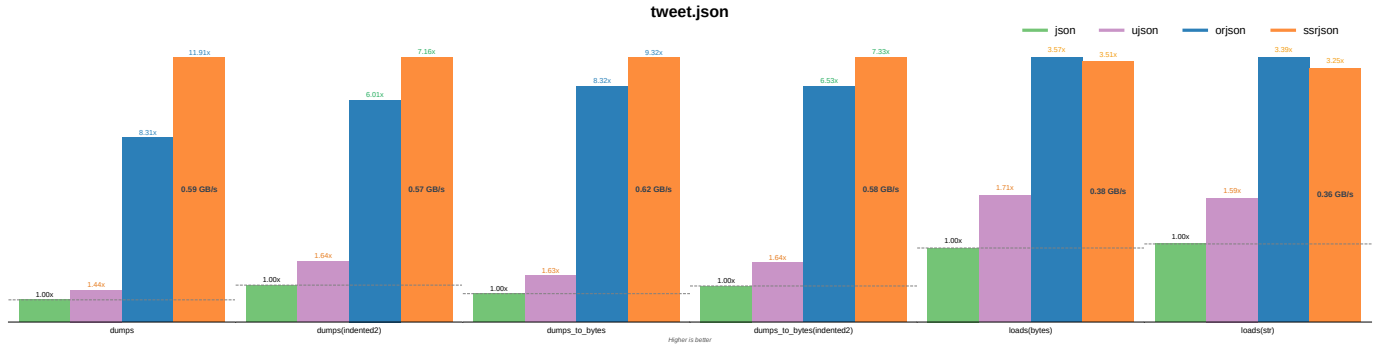

instruments.json
json
ujson
orjson
ssrjson
1.00x
1.29x
7.69x
9.90x
0.57 GB/s
1.00x
1.23x
5.39x
8.55x
0.81 GB/s
1.00x
1.30x
8.39x
10.04x
0.57 GB/s
1.00x
1.23x
5.93x
8.39x
0.79 GB/s
1.00x
1.94x
3.69x
3.69x
0.31 GB/s
1.00x
1.88x
3.69x
3.38x
0.29 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better

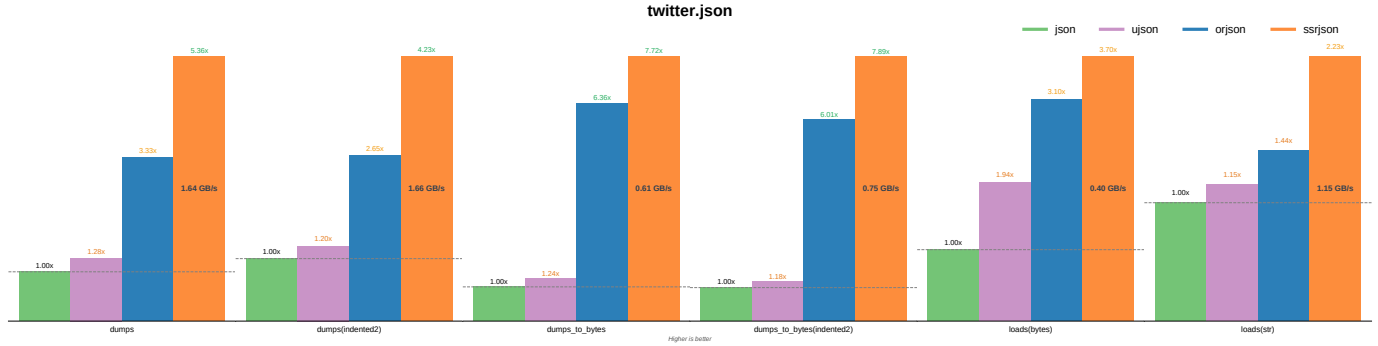

mesh.json
json
ujson
orjson
ssrjson
1.00x
2.80x
7.74x
17.12x
0.40 GB/s
1.00x
2.65x
6.50x
14.77x
0.55 GB/s
1.00x
2.79x
7.99x
17.36x
0.40 GB/s
1.00x
2.63x
6.94x
14.99x
0.55 GB/s
1.00x
1.94x
3.47x
3.27x
0.17 GB/s
1.00x
1.77x
3.46x
3.42x
0.19 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better


simple_object.json
json
ujson
orjson
ssrjson
1.00x
5.34x
13.45x
25.06x
4.07 GB/s
1.00x
5.28x
12.87x
23.38x
3.79 GB/s
1.00x
5.17x
20.22x
24.52x
3.96 GB/s
1.00x
5.14x
20.60x
23.15x
3.72 GB/s
1.00x
1.21x
2.24x
2.35x
1.35 GB/s
1.00x
1.00x
1.94x
5.47x
3.43 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
0.57x
0.82x
13.71x
4.39 GB/s
1.00x
0.57x
0.82x
13.37x
4.27 GB/s
1.00x
0.66x
1.69x
2.87x
0.93 GB/s
1.00x
0.66x
1.68x
2.86x
0.93 GB/s
1.00x
1.68x
1.43x
2.90x
1.38 GB/s
1.00x
0.26x
0.24x
3.05x
3.45 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
0.60x
4.60x
6.18x
0.85 GB/s
1.00x
0.56x
2.53x
3.39x
0.75 GB/s
1.00x
0.61x
5.44x
6.28x
0.86 GB/s
1.00x
0.56x
2.86x
3.69x
0.81 GB/s
1.00x
1.20x
1.68x
3.53x
0.73 GB/s
1.00x
1.18x
1.67x
3.43x
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
1.44x
8.31x
11.91x
0.59 GB/s
1.00x
1.64x
6.01x
7.16x
0.57 GB/s
1.00x
1.63x
8.32x
9.32x
0.62 GB/s
1.00x
1.64x
6.53x
7.33x
0.58 GB/s
1.00x
1.71x
3.57x
3.51x
0.38 GB/s
1.00x
1.59x
3.39x
3.25x
0.36 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
1.28x
3.33x
5.36x
1.64 GB/s
1.00x
1.20x
2.65x
4.23x
1.66 GB/s
1.00x
1.24x
6.36x
7.72x
0.61 GB/s
1.00x
1.18x
6.01x
7.89x
0.75 GB/s
1.00x
1.94x
3.10x
3.70x
0.40 GB/s
1.00x
1.15x
1.44x
2.23x
1.15 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better