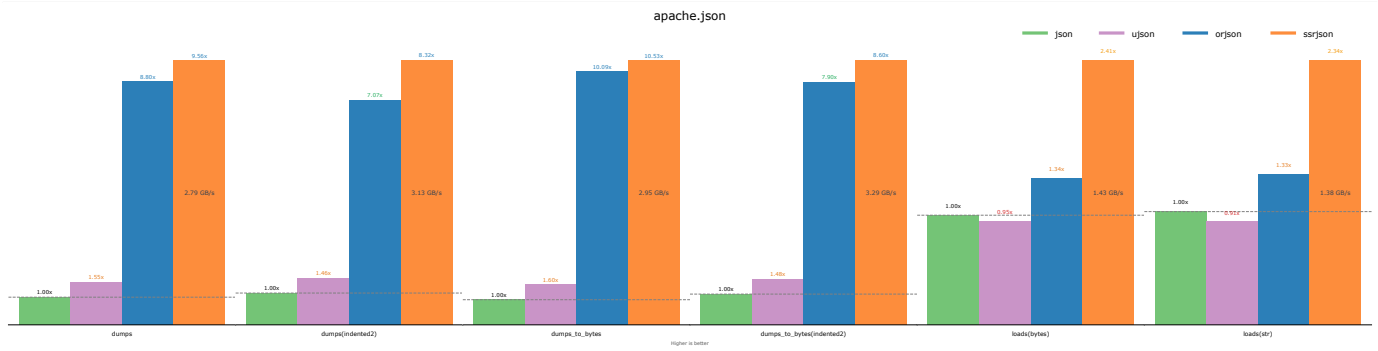
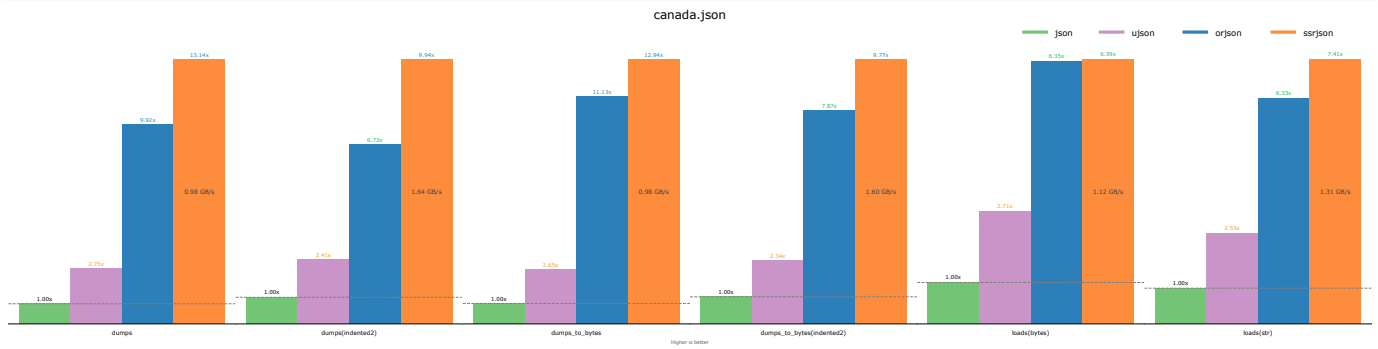
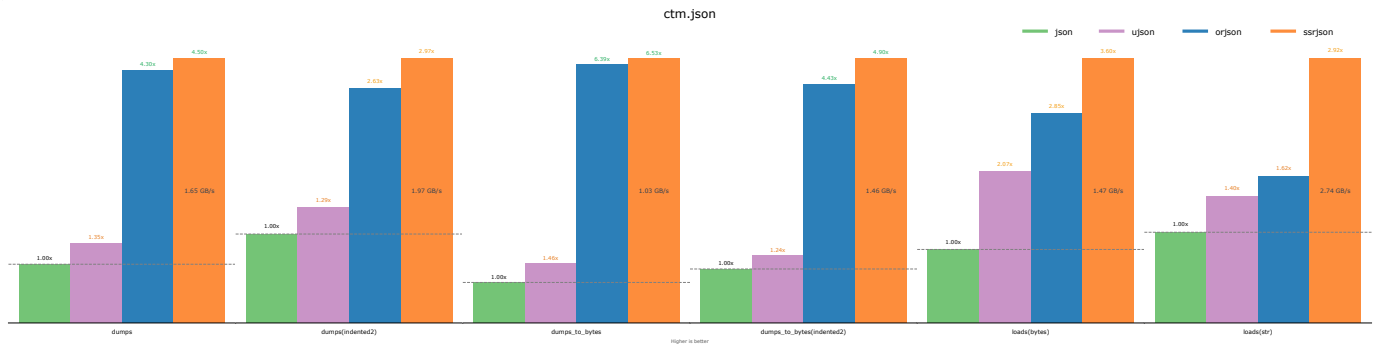
ssrJSON benchmark Report

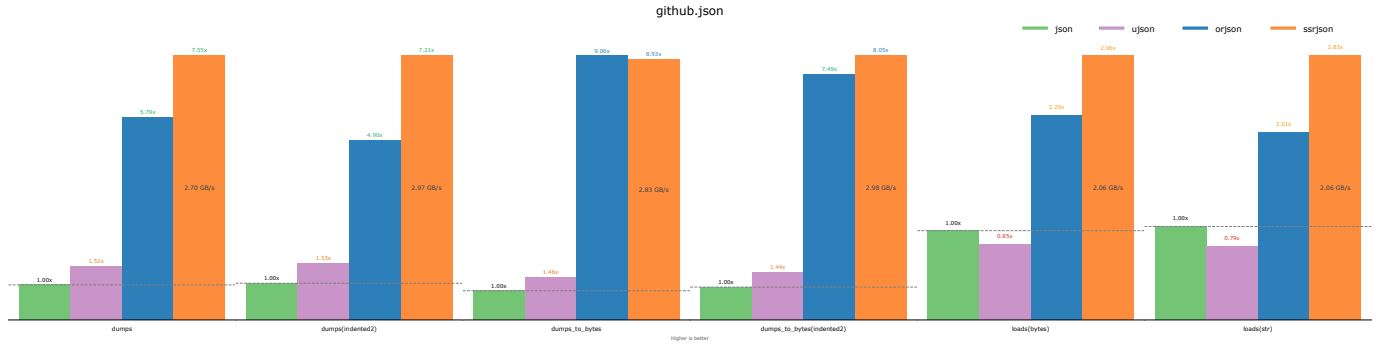
```
REV:            `0.0.7`
Python:         `3.14.0 (tags/v3.14.0:ebf955d, Oct  7 2025, 10:15:03) [MSC v.1944 64
                bit (AMD64)]`
Orjson:         `3.11.3`
Ujson:          `5.11.0`
Generated time: 2025-10-22 23:12:50 Central Daylight Time
OS:             Windows AMD64 11 10.0.26200
SIMD flag:      {'MultiLib': True, 'SIMD': 'AVX512'}
Chipset:        AMD Ryzen 9 9900X 12-Core Processor
Memory:         0.030GiB
```

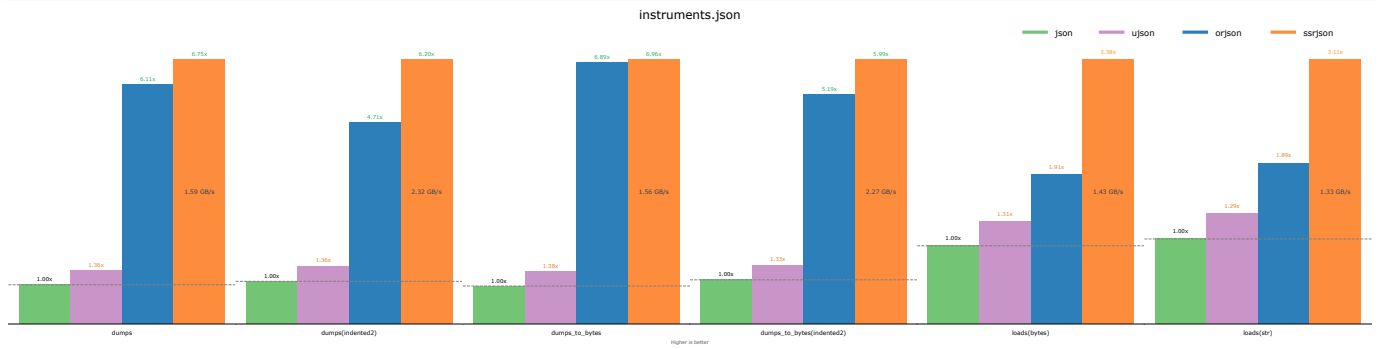
speed

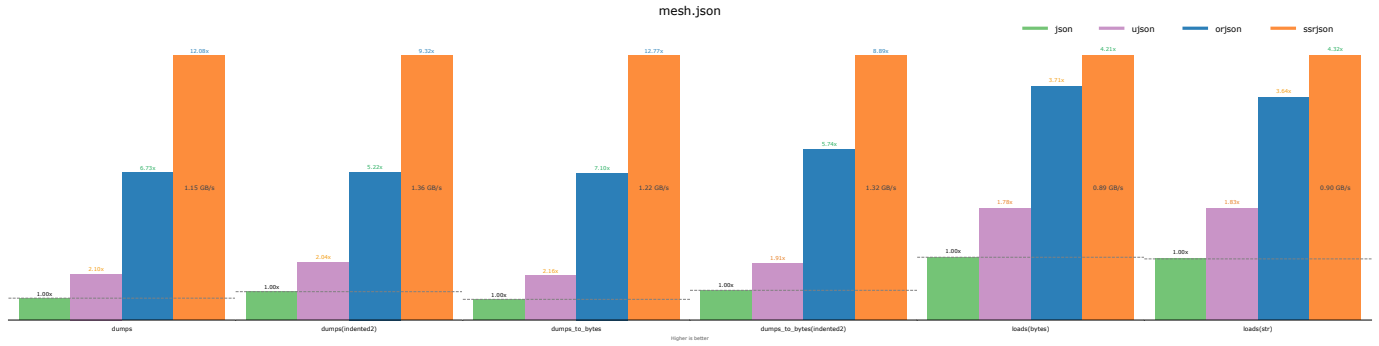


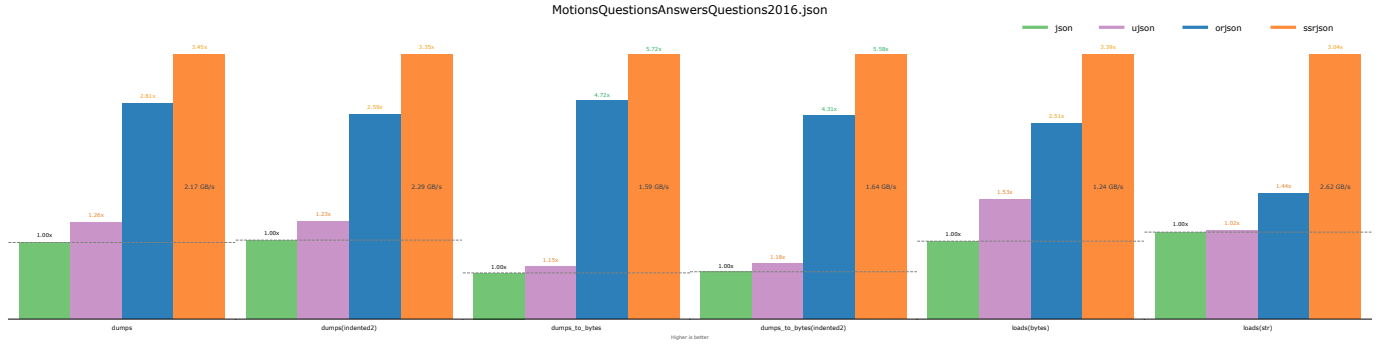


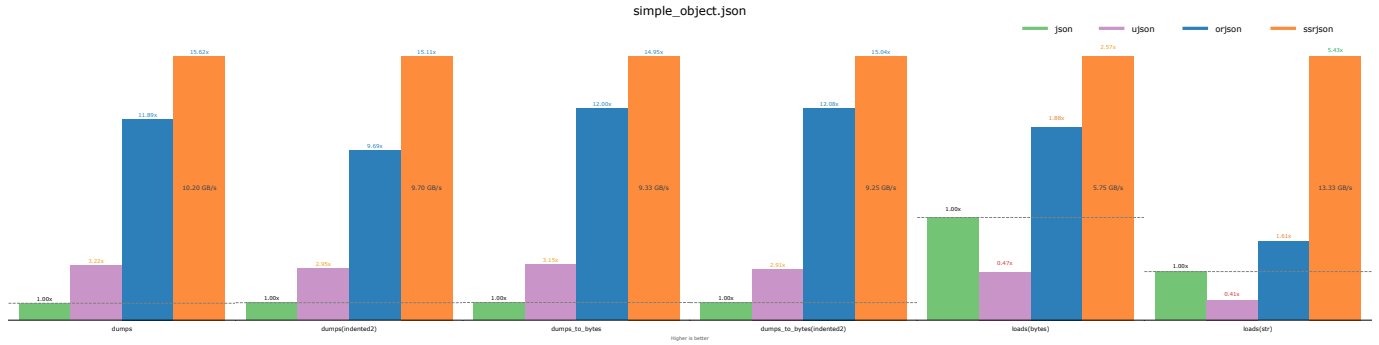


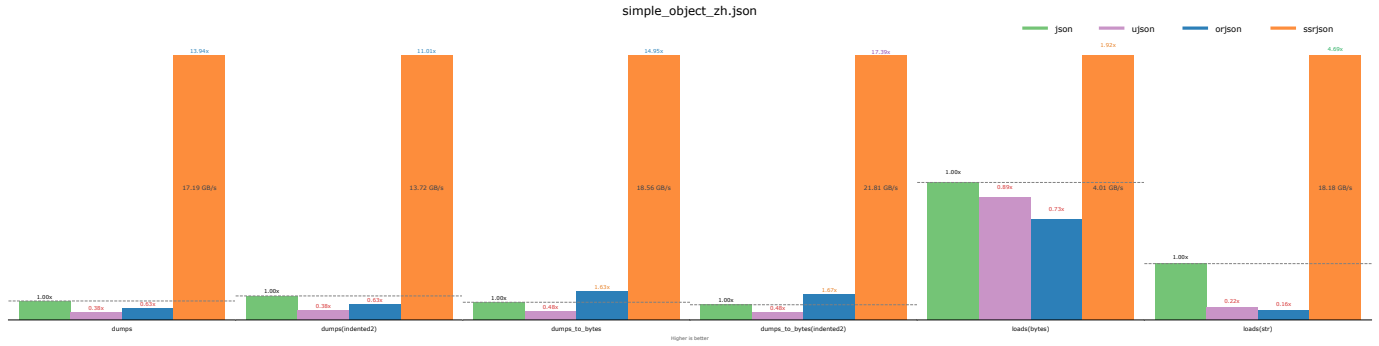

github.json
json
ujson
orjson
ssrjson
1.00x
1.52x
5.70x
7.55x
2.70 GB/s
1.00x
1.53x
4.90x
7.21x
2.97 GB/s
1.00x
1.46x
9.06x
8.93x
2.83 GB/s
1.00x
1.44x
7.49x
8.05x
2.98 GB/s
1.00x
0.85x
2.29x
2.96x
2.06 GB/s
1.00x
0.79x
2.01x
2.83x
2.06 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better

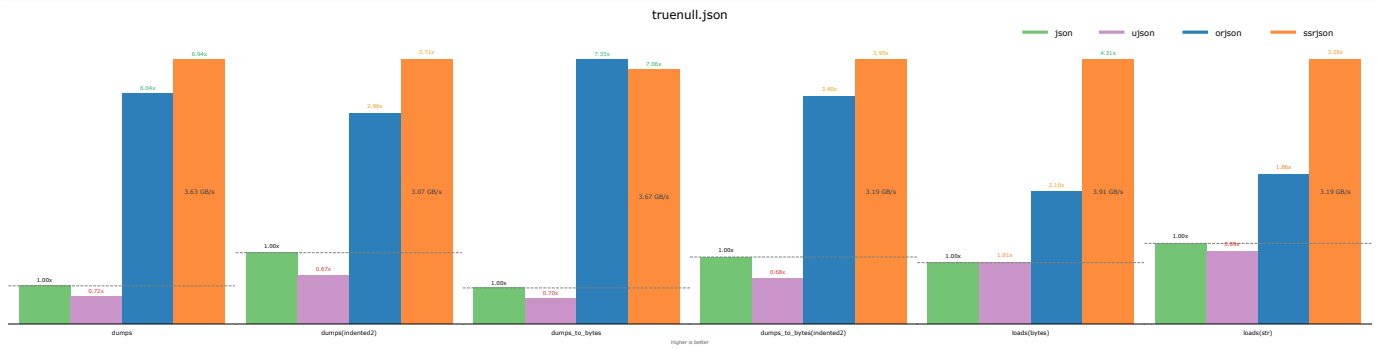

instruments.json
json
ujson
orjson
ssrjson
1.00x
1.36x
6.11x
6.75x
1.59 GB/s
1.00x
1.36x
4.71x
6.20x
2.32 GB/s
1.00x
1.38x
6.89x
6.96x
1.56 GB/s
1.00x
1.33x
5.19x
5.99x
2.27 GB/s
1.00x
1.31x
1.91x
3.38x
1.43 GB/s
1.00x
1.29x
1.89x
3.11x
1.33 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better

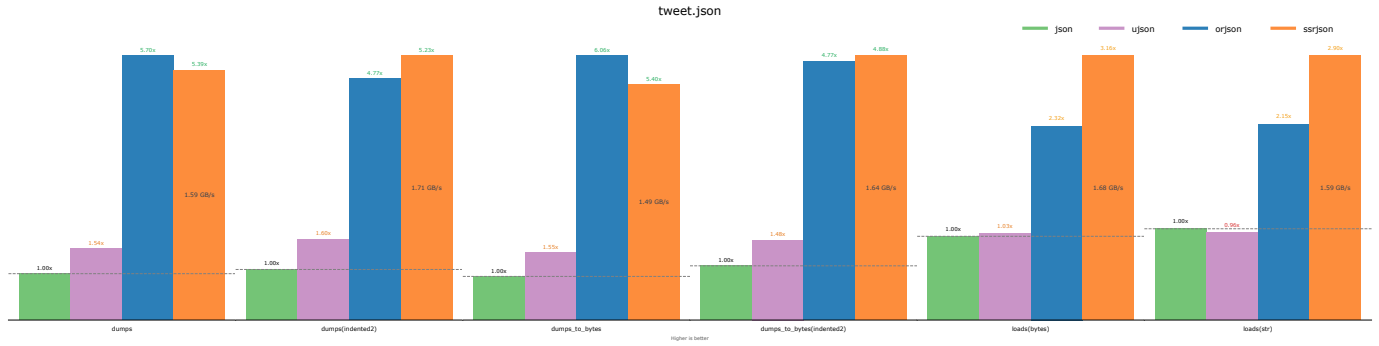

mesh.json
json
ujson
orjson
ssrjson
1.00x
2.10x
6.73x
12.08x
1.15 GB/s
1.00x
2.04x
5.22x
9.32x
1.36 GB/s
1.00x
2.16x
7.10x
12.77x
1.22 GB/s
1.00x
1.91x
5.74x
8.89x
1.32 GB/s
1.00x
1.78x
3.71x
4.21x
0.89 GB/s
1.00x
1.83x
3.66x
4.32x
0.90 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better

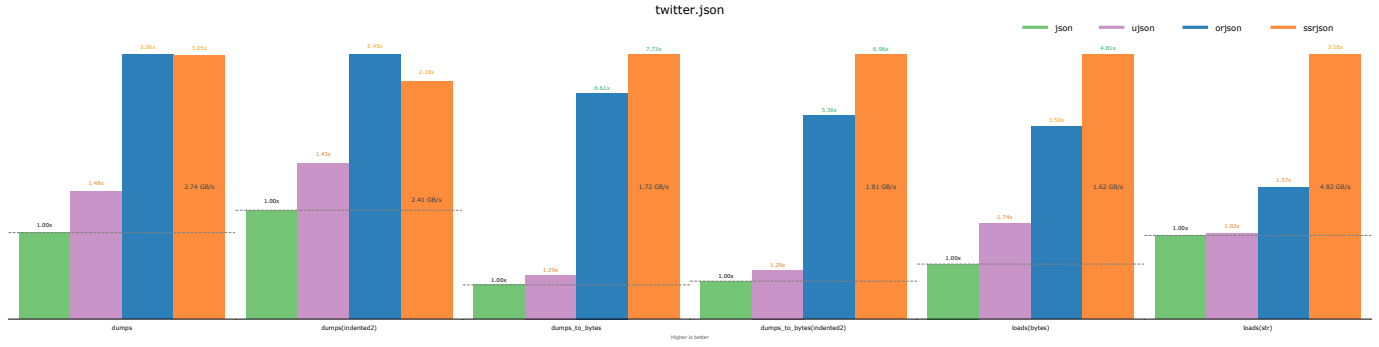

MotionsQuestionsAnswersQuestions2016.json
json
ujson
orjson
ssrjson
1.00x
1.26x
2.81x
3.45x
2.17 GB/s
1.00x
1.23x
2.99x
3.35x
2.29 GB/s
1.00x
1.15x
4.72x
5.72x
1.59 GB/s
1.00x
1.18x
4.31x
5.58x
1.64 GB/s
1.00x
1.53x
2.51x
3.39x
1.24 GB/s
1.00x
1.02x
1.44x
3.04x
2.62 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better


simple_object.json
json
ujson
orjson
ssrjson
1.00x
3.22x
11.89x
15.62x
10.20 GB/s
1.00x
2.95x
9.69x
15.11x
9.70 GB/s
1.00x
3.15x
12.00x
14.95x
9.33 GB/s
1.00x
2.91x
12.08x
15.04x
9.25 GB/s
1.00x
0.47x
1.88x
2.57x
5.75 GB/s
1.00x
0.41x
1.61x
5.43x
13.33 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
0.38x
0.53x
13.94x
17.19 GB/s
1.00x
0.36x
0.63x
11.01x
13.72 GB/s
1.00x
0.48x
1.63x
14.95x
18.56 GB/s
1.00x
0.48x
1.67x
17.39x
21.81 GB/s
1.00x
0.89x
0.73x
1.92x
4.01 GB/s
1.00x
0.22x
0.16x
4.69x
18.18 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
0.72x
6.04x
6.94x
3.63 GB/s
1.00x
0.67x
2.95x
3.71x
3.07 GB/s
1.00x
0.70x
7.33x
7.06x
3.67 GB/s
1.00x
0.68x
3.40x
3.95x
3.19 GB/s
1.00x
1.01x
2.16x
4.31x
3.91 GB/s
1.00x
0.88x
1.86x
3.28x
3.19 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
5.70x
5.39x
1.59 GB/s
1.00x
1.60x
4.77x
5.23x
1.71 GB/s
1.00x
1.55x
6.06x
5.40x
1.49 GB/s
1.00x
1.48x
4.77x
4.88x
1.64 GB/s
1.00x
1.03x
2.32x
3.16x
1.68 GB/s
1.00x
0.96x
2.15x
2.90x
1.59 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
1.48x
3.06x
3.05x
2.74 GB/s
1.00x
1.43x
2.43x
2.18x
2.41 GB/s
1.00x
1.29x
6.61x
7.73x
1.72 GB/s
1.00x
1.29x
5.36x
6.96x
1.81 GB/s
1.00x
1.74x
3.50x
4.81x
1.62 GB/s
1.00x
1.02x
1.57x
3.16x
4.82 GB/s
dumps
dumps(indented2)
dumps_to_bytes
dumps_to_bytes(indented2)
loads(bytes)
loads(str)
Higher is better