JSON Parsing Tests, Full

Appendix to: seriot.ch Parsing JSON is a Minefield http://www.seriot.ch/parsing_json.php

2017-03-24 21:48:34

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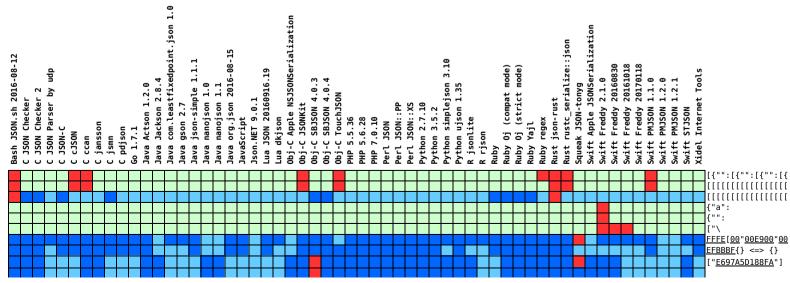
- Python simplejson 3.10
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- Ot JSON
- o R isonlite
- R rison
- o Ruby
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- Ruby Oi (strict mode)
- o Ruby Yail
- Ruby regex
- Rust ison-rust
- Rust rustc serialize::json
- Rust serde ison
- Squeak JSON-tonyg
- Swift Apple JSONSerialization
- Swift Freddy 2.1.0
- Swift Freddy 20160830
- Swift Freddy 20161018
- o Swift Freddy 20170118
- Swift PMJSON 1.1.0
- o Swift PMJSON 1.2.0
- Swift PMJSON 1.2.1
- Swift STJSON
- Xidel Internet Tools

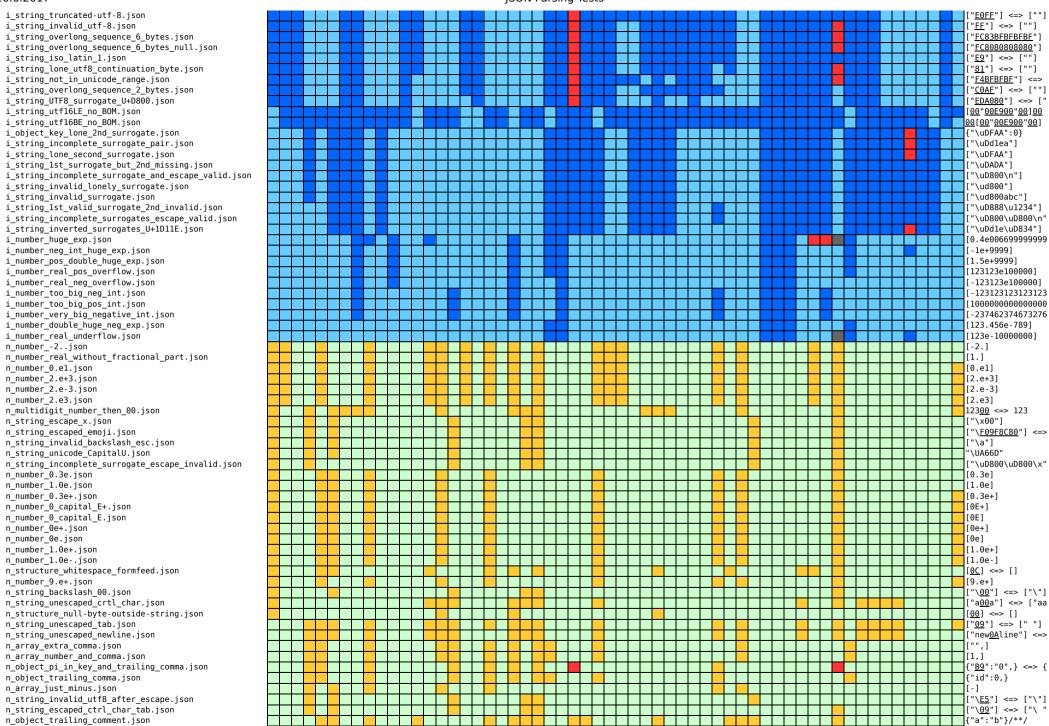
1. Color scheme:

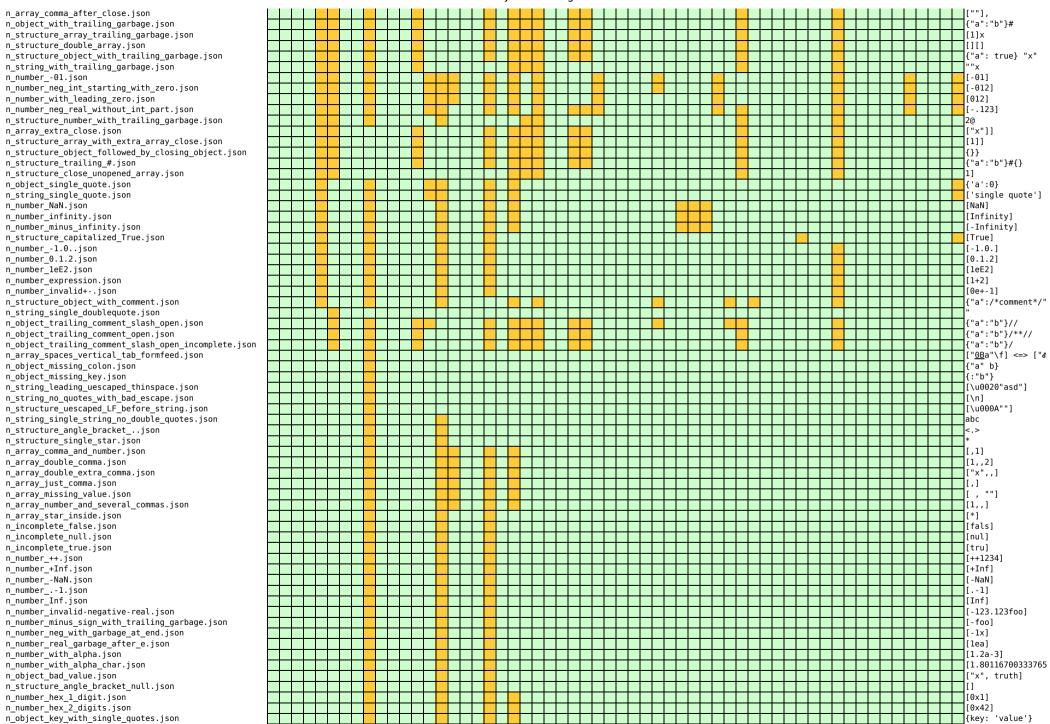
expected result
parsing should have succeeded but failed
parsing should have failed but succeeded
result undefined, parsing succeeded
result undefined, parsing failed
parser crashed
timeout

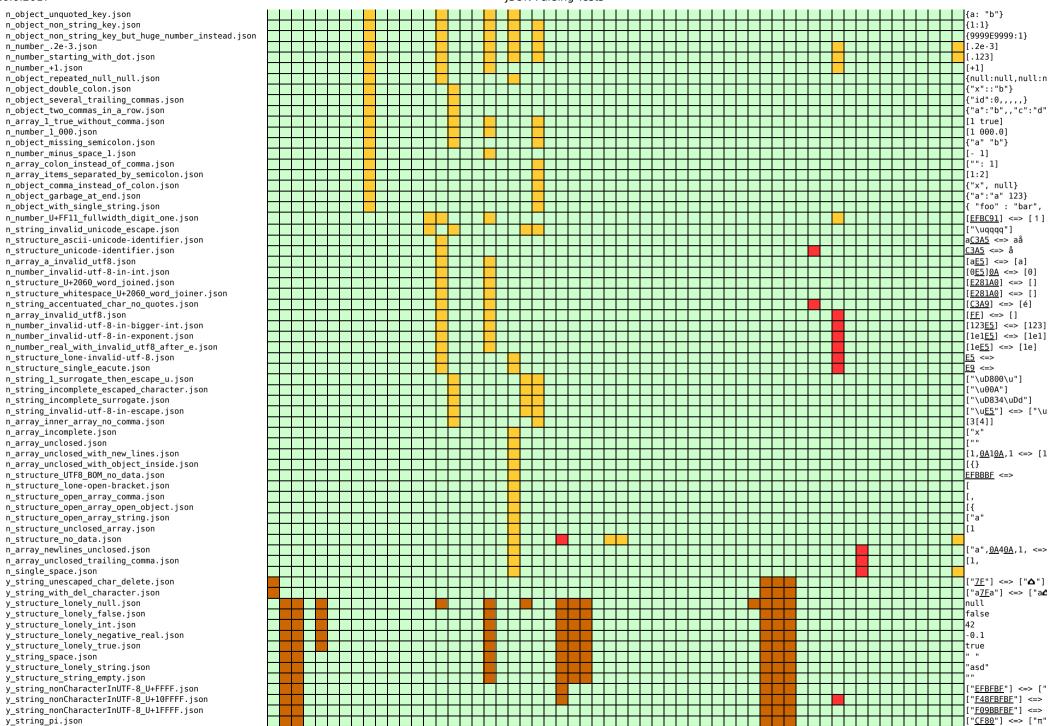
2. Full Results

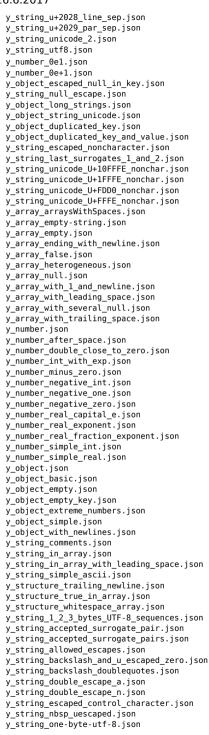
n_structure_open_array_object.json
n_structure_100000_opening_arrays.json
i_structure_500_nested_arrays.json
n_object_missing_value.json
n_structure_object_unclosed_no_value.json
n_string_start_escape_unclosed.json
i_string_UTF-16LE_with_BOM.json
i_structure_UTF-8_BOM_empty_object.json
i_string_UTF-8_invalid_sequence.json



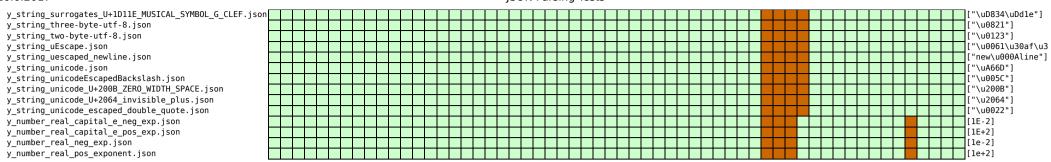












3. Results by Parser

Bash JSON.sh 2016-08-12

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                        i\_number\_neg\_int\_huge\_exp.json
                                                        [-1e+9999]
                                                       [1.5e+9999]
i_number_pos_double_huge_exp.json
                                                        [-123123e100000]
i_number_real_neg_overflow.json
                                                        [123123e1000001
i_number_real_pos_overflow.json
                                                        [123e-100000001
i_number_real_underflow.json
i_number_too_big_neg_int.json
                                                        [-123123123123123123123123123123]
                                                        [100000000000000000000000]
i_number_too_big_pos_int.json
i_number_very_big_negative_int.json
                                                         [-2374623746732768942798327498324234(...)
                                                        {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
i_string_1st_surrogate_but_2nd_missing.json
                                                        ["\uDADA"]
                                                        ["\uD888\u1234"]
i_string_lst_valid_surrogate_2nd_invalid.json
\verb|i_string_UTF-16LE_with_BOM.json||
                                                        FFFE[00"00E900"00]00 <=> [""]
i string UTF-8 invalid sequence.json
                                                         "E697A5D188FA"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                        ["<u>EDA080</u>"] <=> [""]
i_string_incomplete_surrogate_and_escape_valid.json
                                                        ["\uD800\n"]
                                                        ["\uDdlea"]
i_string_incomplete_surrogate_pair.json
                                                        ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
                                                        ["\ud800"]
i_string_invalid_lonely_surrogate.json
                                                         ["\ud800abc"]
i_string_invalid_surrogate.json
i_string_invalid_utf-8.json
                                                         "<u>FF</u>"] <=> [""]
i_string_inverted_surrogates_U+1D11E.json
                                                         "\uDd1e\uD834"]
                                                         "<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                         "\uDFAA"]
i_string_lone_second_surrogate.json
i_string_lone_utf8_continuation_byte.json
                                                         "<u>81</u>"] <=> [""]
                                                          "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                          "COAF"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                          "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
i_string_overlong_sequence_6_bytes_null.json
                                                          "<u>FC8080808080</u>"] <=> [""]
                                                         "<u>E0FF</u>"] <=> [""]
i_string_truncated-utf-8.json
i_string_utf16BE_no_BOM.json
                                                       <u>00[00"00E900"00</u>] <=> [""]
                                                        [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_string_utf16LE_no_B0M.json
i_structure_500_nested_arrays.json
                                                        (\dots)
i_structure_UTF-8_BOM_empty_object.json
                                                        <u>EFBBBF</u>{} <=> {}
                                                        123<u>00</u> <=> 123
n_multidigit_number_then_00.json
n_number_-2..json
                                                       [-2.]
                                                        [0.3e+]
n number 0.3e+.json
                                                        [0.3e]
n_number_0.3e.json
n_number_0.el.json
                                                        [0.e1]
n_number_0_capital_E+.json
                                                        [0E+]
                                                        [0E]
n_number_0_capital_E.json
                                                        [0e+]
n_number_0e+.json
n_number_0e.json
                                                        [0e]
n_number_1.0e+.json
                                                      [1.0e+]
                                                     [1.0e-]
n_number_1.0e-.json
```

```
n_number_1.0e.json
                                                     [1.0e]
                                                      [2.e+3]
n_number_2.e+3.json
                                                    [2.e-3]
n_number_2.e-3.json
                                                    [2.e3]
n_number_2.e3.json
                                                    [9.e+]
n_number_9.e+.json
n number real without fractional part.json
                                                    [1.]
n_string_backslash_00.json
                                                       ["\<u>00</u>"] <=> ["\"]
                                                       ["\x00"]
n_string_escape_x.json
n string escaped emoji.json
                                                       ["\<u>F09F8C80</u>"] <=> ["\[]"]
                                                      ["\uD800\uD800\x"]
n_string_incomplete_surrogate_escape_invalid.json
n string invalid backslash esc.json
n_string_unescaped_crtl_char.json
                                                      ["a<u>00</u>a"] <=> ["aa"]
n_string_unicode_CapitalU.json
                                                       "\UA66D"
n_structure_100000_opening_arrays.json
                                                       (\dots)
n_structure_null-byte-outside-string.json
                                                      [{"":[{"":[{"":[{"":[{"":[{"":[{...)
n_structure_open_array_object.json
                                                       [OC] <=> []
n_structure_whitespace_formfeed.json
                                                       ["<u>7F</u>"] <=> ["△"]
y_string_unescaped_char_delete.json
                                                      ["a<u>7F</u>a"] <=> ["a△a"]
y_string_with_del_character.json
```

C JSON Checker

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                         [-1e+9999]
i_number_neg_int_huge_exp.json
i_number_pos_double_huge_exp.json
                                                      [1.5e+9999]
                                                        [-123123e100000]
i_number_real_neg_overflow.json
                                                        [123123e100000]
i\_number\_real\_pos\_overflow.json
                                                        [123e-10000000]
i_number_real_underflow.json
i_number_too_big_neg_int.json
                                                         [-123123123123123123123123123123]
                                                         i_number_too_big_pos_int.json
                                                         [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
i_object_key_lone_2nd_surrogate.json
                                                        {"\uDFAA":0}
i_string_1st_surrogate_but_2nd_missing.json
                                                        ["\uDADA"]
i\_string\_1st\_valid\_surrogate\_2nd\_invalid.json
                                                        ["\uD888\u1234"]
                                                        FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-16LE_with_BOM.json
                                                         "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF-8_invalid_sequence.json
                                                         "EDA080"1 <=> [""]
i_string_UTF8_surrogate_U+D800.json
                                                         ["\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
\verb|i_string_incomplete_surrogate_pair.json|
                                                         ["\uDd1ea"]
                                                         ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
                                                         ["\ud800"]
i_string_invalid_lonely_surrogate.json
                                                         "\ud800abc"]
i_string_invalid_surrogate.json
i_string_invalid_utf-8.json
                                                          "<u>FF</u>"] <=> [""]
                                                         "\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                         "<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                         "\uDFAA"]
i_string_lone_second_surrogate.json
                                                         "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                          "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                          "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                          "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                          "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                         "<u>E0FF</u>"] <=> [""]
i_string_truncated-utf-8.json
                                                        <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                        [\underline{00}"\underline{00E900}"\underline{00}]\underline{00} \iff [""]
i_string_utf16LE_no_BOM.json
                                                        (...)
i_structure_500_nested_arrays.json
i_structure_UTF-8_BOM_empty_object.json
                                                        <u>EFBBBF</u>{} <=> {}
                                                      [-2.]
n_number_-2..json
n number 0.el.json
                                                        [0.e1]
n_number_2.e+3.json
                                                        [2.e+3]
n_number_2.e-3.json
                                                      [2.e-3]
                                                     [2.e3]
n_number_2.e3.json
n_number_real_without_fractional_part.json
                                                      [1.]
y_number_0e+1.json
                                                        [0e+1]
                                                        [0e1]
y_number_0e1.json
y_string_nonCharacterInUTF-8_U+10FFFF.json
                                                        ["<u>F48FBFBF</u>"] <=> ["[]"]
```

```
y_string_nonCharacterInUTF-8_U+1FFFF.json
                                                              "<u>F09BBFBF</u>"] <=> ["[]"]
{\tt y\_string\_nonCharacterInUTF-8\_U+FFFF.json}
                                                              "<u>EFBFBF</u>"] <=> ["[]"]
                                                              "<u>CF80</u>"] <=> ["π"]
y_string_pi.json
y_string_space.json
y_string_u+2028_line_sep.json
                                                              "<u>E280A8</u>"] <=> ["[]"]
                                                             "<u>E280A9</u>"] <=> ["[]"]
y string u+2029 par sep.json
y_string_unicode_2.json
                                                             ["<u>E28D82E388B4E28D82</u>"] <=> ["ဩ[[]"]
y_string_utf8.json
                                                             ["<u>E282ACF09D849E</u>"] <=> ["€ģ"]
y_structure_lonely_false.json
                                                             false
                                                             42
y_structure_lonely_int.json
                                                             -0.1
y_structure_lonely_negative_real.json
                                                             null
y_structure_lonely_null.json
                                                             "asd"
y_structure_lonely_string.json
                                                             true
y_structure_lonely_true.json
y_structure_string_empty.json
```

```
C JSON Checker 2
i_number_double_huge_neg_exp.json
                                                        [123.456e-789]
                                                        i_number_huge_exp.json
                                                        [-1e+9999]
i_number_neg_int_huge_exp.json
                                                        [1.5e+9999]
i_number_pos_double_huge_exp.json
i\_number\_real\_neg\_overflow.json
                                                        [-123123e100000]
                                                        [123123e100000]
i_number_real_pos_overflow.json
i_number_real_underflow.json
                                                        [123e-10000000]
i_number_too_big_neg_int.json
                                                        [-123123123123123123123123123123]
i_number_too_big_pos_int.json
                                                         i_number_very_big_negative_int.json
                                                        [-2374623746732768942798327498324234(...)
                                                        {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                        ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                        ["\uD888\u1234"]
i_string_1st_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
                                                       FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-8_invalid_sequence.json
                                                        ["<u>E697A5D188FA</u>"] <=> ["日ш"]
i string UTF8 surrogate U+D800.json
                                                        ["<u>EDA080</u>"] <=> [""]
                                                        ["\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
                                                        ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
i_string_incomplete_surrogates_escape_valid.json
                                                        ["\uD800\uD800\n"]
i_string_invalid_lonely_surrogate.json
                                                        ["\ud800"]
i_string_invalid_surrogate.json
                                                        ["\ud800abc"]
                                                         "<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
i\_string\_inverted\_surrogates\_U+1D11E.json
                                                        ["\uDd1e\uD834"]
i_string_iso_latin_1.json
                                                        ["<u>E9</u>"] <=> [""]
i_string_lone_second_surrogate.json
                                                        ["\uDFAA"]
                                                         "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
i_string_not_in_unicode_range.json
                                                         "<u>F4BFBFBF</u>"] <=> [""]
                                                         "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                         "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                         "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                        ["<u>E0FF</u>"] <=> [""]
i_string_truncated-utf-8.json
                                                       <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                        [<u>00</u>"<u>00E900</u>"<u>00]00</u> <=> [""]
i_string_utf16LE_no_BOM.json
                                                        (\dots)
i_structure_500_nested_arrays.json
                                                       <u>EFBBBF</u>{} <=> {}
i_structure_UTF-8_BOM_empty_object.json
                                                        ["<u>F48FBFBF</u>"] <=> ["[]"]
y_string_nonCharacterInUTF-8_U+10FFFF.json
                                                         "<u>F09BBFBF</u>"] <=> ["[]"]
y_string_nonCharacterInUTF-8_U+1FFFF.json
                                                         "<u>EFBFBF</u>"] <=> ["[]"]
y_string_nonCharacterInUTF-8_U+FFFF.json
                                                        ["<u>CF80</u>"] <=> ["π"]
y_string_pi.json
y_string_space.json
                                                         "<u>E280A8</u>"] <=> ["[]"]
y_string_u+2028_line_sep.json
y_string_u+2029_par_sep.json
                                                         "<u>E280A9</u>"] <=> ["[]"]
y_string_unicode_2.json
                                                        ["<u>E282ACF09D849E</u>"] <=> ["€∯"]
y_string_utf8.json
y_structure_lonely_false.json
                                                        false
                                                       42
y_structure_lonely_int.json
y_structure_lonely_negative_real.json
                                                        -0.1
```

```
y_structure_lonely_null.json
y_structure_lonely_string.json
y_structure_lonely_true.json
y_structure_string_empty.json
""
```

C JSON Parser by udp

```
[123.456e-789]
i_number_double_huge_neg_exp.json
                                                         i_number_huge_exp.json
                                                         [-1e+9999]
i_number_neg_int_huge_exp.json
                                                        [1.5e+9999]
i_number_pos_double_huge_exp.json
                                                         [-123123e100000]
i_number_real_neg_overflow.json
                                                         [123123e100000]
i_number_real_pos_overflow.json
i_number_real_underflow.json
                                                         [123e-10000000]
i number too big neg int.json
                                                         [-123123123123123123123123123123]
                                                         [100000000000000000000000]
i_number_too_big_pos_int.json
i number very big negative int.json
                                                         [-2374623746732768942798327498324234(...)
i object key lone 2nd surrogate.json
                                                         {"\uDFAA":0}
i_string_1st_surrogate_but_2nd_missing.json
                                                         ["\uDADA"]
i_string_1st_valid_surrogate_2nd_invalid.json
                                                         ["\uD888\u1234"]
i string UTF-16LE with BOM.json
                                                         FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-8_invalid_sequence.json
                                                          "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                         ["<u>EDA080</u>"] <=> [""]
                                                         ["\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
                                                         ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
                                                         ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
i_string_invalid_lonely_surrogate.json
                                                         ["\ud800"]
                                                         ["\ud800abc"]
i_string_invalid_surrogate.json
i_string_invalid_utf-8.json
                                                          ["<u>FF</u>"] <=> [""]
                                                         ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                          "<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
i_string_lone_second_surrogate.json
                                                          ["\uDFAA"]
                                                          "81"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                          "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
\verb|i_string_overlong_sequence_2_bytes.json|\\
                                                          "<u>COAF</u>"] <=> [""]
                                                          "FC83BFBFBFBF"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                          "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                          "E0FF"1 <=> [""1
i_string_truncated-utf-8.json
                                                         00[00"00E900"00] <=> [""]
i_string_utf16BE_no_BOM.json
                                                         [\underline{00}"\underline{00E900}"\underline{00}]\underline{00} <=> [""]
\verb|i_string_utf16LE_no_B0M.json||
                                                         (\dots)
i_structure_500_nested_arrays.json
i\_structure\_UTF-8\_BOM\_empty\_object.json
                                                        EFBBBF{} <=> {}
                                                         ["",]
n_array_extra_comma.json
n_array_just_minus.json
                                                        [-]
                                                         [1,]
n_array_number_and_comma.json
                                                         123<u>00</u> <=> 123
n_multidigit_number_then_00.json
                                                         {"<u>B9</u>":"0",} <=> {"":"0",}
n_object_pi_in_key_and_trailing_comma.json
                                                         {"id":0,}
n_object_trailing_comma.json
                                                         ["\x00"]
n_string_escape_x.json
n_string_escaped_ctrl_char_tab.json
                                                         ["\<u>09</u>"] <=> ["\ "]
                                                          ["\<u>F09F8C80</u>"] <=> ["\[]"]
n_string_escaped_emoji.json
n_string_incomplete_surrogate_escape_invalid.json
                                                         ["\uD800\uD800\x"]
                                                         ["\a"]
n_string_invalid_backslash_esc.json
                                                         ["\<u>E5</u>"] <=> ["\"]
n_string_invalid_utf8_after_escape.json
                                                         ["new<u>0A</u>line"] <=> ["new line"]
n_string_unescaped_newline.json
n_string_unescaped_tab.json
                                                         ["<u>09</u>"] <=> [" "]
n_string_unicode_CapitalU.json
                                                         "\UA66D"
```

C JSON-C

```
i_number_real_pos_overflow.json
                                                        [123123e100000]
                                                        [123e-10000000]
i_number_real_underflow.json
                                                        [-123123123123123123123123123]
i_number_too_big_neg_int.json
                                                        [10000000000000000000000]
i_number_too_big_pos_int.json
                                                        [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
i object key lone 2nd surrogate.json
                                                        {"\uDFAA":0}
i_string_1st_surrogate_but_2nd_missing.json
                                                     ["\uDADA"]
                                                        ["\uD888\u1234"]
i_string_1st_valid_surrogate_2nd_invalid.json
i string UTF-16LE with BOM.json
                                                       FFFE[00"00E900"00]00 <=> [""]
i string UTF-8 invalid sequence.json
                                                        "<u>E697A5D188FA</u>"] <=> ["日ш"]
                                                        ["<u>EDA080</u>"] <=> [""]
i_string_UTF8_surrogate_U+D800.json
i_string_incomplete_surrogate_and_escape_valid.json
                                                        ["\uD800\n"]
i string incomplete surrogate pair.json
                                                        ["\uDdlea"]
                                                        ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
                                                        ["\ud800"]
i_string_invalid_lonely_surrogate.json
i_string_invalid_surrogate.json
                                                        ["\ud800abc"]
                                                        ["<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
i_string_inverted_surrogates_U+1D11E.json
                                                        ["\uDd1e\uD834"]
                                                        ["<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                        ["\uDFAA"]
i_string_lone_second_surrogate.json
                                                        "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                        "<u>F4BFBFBF</u>"] <=> [""]
i string not in unicode range.json
                                                        "COAF"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                        "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                        "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                        "<u>E0FF</u>"] <=> [""]
i_string_truncated-utf-8.json
                                                       <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                       [<u>00"00E900"00]00</u> <=> [""]
i_string_utf16LE_no_BOM.json
i_structure_500_nested_arrays.json
                                                        (\dots)
i_structure_UTF-8_BOM_empty_object.json
                                                       EFBBBF{} <=> {}
                                                        [""],
n_array_comma_after_close.json
                                                        ["x"]]
n_array_extra_close.json
                                                       [,"",]
n_array_extra_comma.json
                                                       [1,]
n_array_number_and_comma.json
n_number_-01.json
                                                        [-01]
n_number_-1.0..json
                                                        [-1.0.]
                                                       [-2.]
n_number_-2..json
                                                       [0.1.2]
n_number_0.1.2.json
                                                       [0.3e+]
n_number_0.3e+.json
                                                       [0.3e]
n_number_0.3e.json
                                                        [0.e1]
n_number_0.el.json
n_number_0_capital_E+.json
                                                        [0E+]
                                                        [0E]
n_number_0_capital_E.json
                                                        [0e+]
n_number_0e+.json
                                                        [0e]
n_number_0e.json
n_number_1.0e+.json
                                                     [1.0e+]
                                                      [1.0e-]
n_number_1.0e-.json
n_number_1.0e.json
                                                     [1.0e]
n_number_1eE2.json
                                                     [1eE2]
                                                       [2.e+3]
n_number_2.e+3.json
                                                       [2.e-3]
n_number_2.e-3.json
n_number_2.e3.json
                                                     [2.e3]
n number 9.e+.json
                                                       [9.e+]
                                                        [NaN]
n_number_NaN.json
                                                     [1+2]
n_number_expression.json
n_number_infinity.json
                                                     [Infinity]
n_number_invalid+-.json
                                                       [0e+-1]
                                                    [-Infinity]
n_number_minus_infinity.json
n_number_neg_int_starting_with_zero.json
                                                     [-012]
                                                     [-.123]
n_number_neg_real_without_int_part.json
                                                     [1.]
n_number_real_without_fractional_part.json
n_number_with_leading_zero.json
                                                     [012]
                                                     {"<u>B9</u>":"0",} <=> {"":"0",}
n_object_pi_in_key_and_trailing_comma.json
n_object_single_quote.json
                                                     {'a':0}
                                                     {"id":0,}
n_object_trailing_comma.json
n_object_trailing_comment.json
                                                       {"a":"b"}/**/
                                                     {"a":"b"}#
n_object_with_trailing_garbage.json
```

```
n string_single_quote.json
                                                        ['single quote']
n_string_unescaped_newline.json
                                                        ["new<u>OA</u>line"] <=> ["new line"]
                                                     ["<u>09</u>"] <=> [" "]
n_string_unescaped_tab.json
                                                        " " x
n_string_with_trailing_garbage.json
                                                     ""x
[1]x
n_structure_array_trailing_garbage.json
n structure array with extra array close.json
                                                     [1]]
n_structure_capitalized_True.json
                                                       [True]
                                                      1]
n_structure_close_unopened_array.json
n structure double array.json
                                                     [][]
                                                      2@
n_structure_number_with_trailing_garbage.json
n_structure_object_followed_by_closing_object.json
n_structure_object_with_comment.json
                                                       {"a":/*comment*/"b"}
                                                      {"a": true} "x"
n_structure_object_with_trailing_garbage.json
n_structure_trailing_#.json
                                                     {"a":"b"}#{}
n_structure_whitespace_formfeed.json
                                                        [\underline{0C}] \iff []
y_structure_lonely_false.json
                                                        false
                                                        42
y_structure_lonely_int.json
                                                        -0.1
y_structure_lonely_negative_real.json
                                                       null
y_structure_lonely_null.json
y_structure_lonely_true.json
                                                       true
```

```
C cJSON
                                                        [123.456e-789]
i_number_double_huge_neg_exp.json
                                                        i_number_huge_exp.json
                                                        [-1e+9999]
i_number_neg_int_huge_exp.json
i_number_pos_double_huge_exp.json
                                                        [1.5e+9999]
i_number_real_neg_overflow.json
                                                       [-123123e100000]
                                                       [123123e100000]
i_number_real_pos_overflow.json
                                                        [123e-100000001
i_number_real_underflow.json
                                                         [-123123123123123123123123123123]
i_number_too_big_neg_int.json
                                                         [10000000000000000000000]
i_number_too_big_pos_int.json
                                                         [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
                                                         ["\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
i_string_1st_surrogate_but_2nd_missing.json
                                                         "\uDADA"]
i string 1st valid surrogate 2nd invalid.json
                                                         "\uD888\u1234"]
                                                        <u>FFFE[00"00E900"00]00</u> <=> [""]
i_string_UTF-16LE_with_BOM.json
i_string_UTF-8_invalid_sequence.json
                                                         "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                          "<u>EDA080</u>"] <=> [""]
                                                         "\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
i_string_incomplete_surrogate_pair.json
                                                         "\uDdlea"]
                                                         "\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
i\_string\_invalid\_lonely\_surrogate.json
                                                         "\ud800"]
                                                         "\ud800abc"]
i_string_invalid_surrogate.json
i_string_invalid_utf-8.json
                                                         "FF"] <=> [""]
i_string_inverted_surrogates_U+1D11E.json
                                                         "\uDd1e\uD834"]
i_string_iso_latin_1.json
                                                         "<u>E9</u>"] <=> [""]
i_string_lone_second_surrogate.json
                                                         "\uDFAA"]
                                                         "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                          "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
i_string_overlong_sequence_2_bytes.json
                                                         "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                          "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                         "<u>FC8080808080</u>"] <=> [""]
                                                         "E0FF"] <=> [""]
i_string_truncated-utf-8.json
                                                         00[00"00E900"00] <=> [""]
i_string_utf16BE_no_BOM.json
i_string_utf16LE_no_BOM.json
                                                         [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i\_structure\_500\_nested\_arrays.json
                                                        i_structure_UTF-8_BOM_empty_object.json
                                                        EFBBBF{} <=> {}
                                                        [""],
n_array_comma_after_close.json
n_array_extra_close.json
                                                        ["x"]]
n_array_just_minus.json
                                                        [-]
                                                        123<u>00</u> <=> 123
n_multidigit_number_then_00.json
n_number_-01.json
                                                       [-01]
                                                       [0.3e+]
n_number_0.3e+.json
n_number_0.3e.json
                                                        [0.3e]
                                                       [0E+]
n_number_0_capital_E+.json
```

```
[0E]
n number 0 capital E.json
                                                        [0e+]
n_number_0e+.json
                                                        [0e]
n_number_0e.json
                                                       [1.0e+]
n_number_1.0e+.json
                                                       [1.0e-]
n_number_1.0e-.json
n number 1.0e.json
                                                       [1.0e]
                                                        [-012]
n_number_neg_int_starting_with_zero.json
                                                        [-.123]
n_number_neg_real_without_int_part.json
n number with leading zero.json
                                                        [012]
                                                        {"a":"b"}/**/
n_object_trailing_comment.json
n_object_trailing_comment_open.json
                                                        {"a":"b"}/**//
n_object_trailing_comment_slash_open.json
                                                       {"a":"b"}//
n_object_trailing_comment_slash_open_incomplete.json {"a":"b"}/
n_object_with_trailing_garbage.json
                                                       {"a":"b"}#
n string backslash 00.json
                                                        ["\<u>00</u>"] <=> ["\"]
                                                        ["\x00"]
n_string_escape_x.json
n_string_escaped_ctrl_char_tab.json
                                                        ["\<u>09</u>"] <=> ["\ "]
                                                        ["\<u>F09F8C80</u>"] <=> ["\[]"]
n_string_escaped_emoji.json
                                                        ["\a"]
n_string_invalid_backslash_esc.json
n_string_invalid_utf8_after_escape.json
                                                        ["\<u>E5</u>"] <=> ["\"]
n_string_single_doublequote.json
n_string_unescaped_newline.json
                                                       ["newOAline"] <=> ["new line"]
                                                       ["<u>09</u>"] <=> [" "]
n_string_unescaped_tab.json
n_string_unicode_CapitalU.json
                                                        "\UA66D"
n_string_with_trailing_garbage.json
                                                      n_structure_100000_opening_arrays.json
                                                      [1]x
n_structure_array_trailing_garbage.json
                                                      [1]]
n_structure_array_with_extra_array_close.json
n_structure_close_unopened_array.json
                                                       1]
                                                      [][]
n_structure_double_array.json
                                                       2@
n_structure_number_with_trailing_garbage.json
n_structure_object_followed_by_closing_object.json
                                                       {"a": true} "x"
n_structure_object_with_trailing_garbage.json
                                                       [{""}]:""}]:""}]:""}]:""}]:""}]
n_structure_open_array_object.json
                                                       {"a":"b"}#{}
n_structure_trailing_#.json
                                                        [\underline{0C}] \iff []
n_structure_whitespace_formfeed.json
y_object_escaped_null_in_key.json
                                                        {"foo\u0000bar": 42}
                                                        ["\u0000"]
y_string_null_escape.json
```

C ccan

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                        i_number_neg_int_huge_exp.json
                                                        [-le+9999]
i_number_pos_double_huge_exp.json
                                                       [1.5e+9999]
i_number_real_neg_overflow.json
                                                        [-123123e100000]
i_number_real_pos_overflow.json
                                                        [123123e100000]
                                                        [123e-10000000]
i_number_real_underflow.json
                                                        [-123123123123123123123123123123]
i_number_too_big_neg_int.json
i_number_too_big_pos_int.json
                                                        [10000000000000000000000]
i_number_very_big_negative_int.json
                                                        [-2374623746732768942798327498324234(...)
i\_object\_key\_lone\_2nd\_surrogate.json
                                                        {"\uDFAA":0}
                                                        ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                        ["\uD888\u1234"]
i_string_1st_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
                                                       FFFE[00"00E900"00]00 <=> [""]
                                                        "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF-8_invalid_sequence.json
                                                        "<u>EDA080</u>"] <=> [""]
i_string_UTF8_surrogate_U+D800.json
i_string_incomplete_surrogate_and_escape_valid.json
                                                        ["\uD800\n"]
i_string_incomplete_surrogate_pair.json
                                                        ["\uDd1ea"]
i_string_incomplete_surrogates_escape_valid.json
                                                        ["\uD800\uD800\n"]
i\_string\_invalid\_lonely\_surrogate.json
                                                        ["\ud800"]
i_string_invalid_surrogate.json
                                                        ["\ud800abc"]
i_string_invalid_utf-8.json
                                                        ["<u>FF</u>"] <=> [""]
i_string_inverted_surrogates_U+1D11E.json
                                                        ["\uDd1e\uD834"]
                                                        "<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
i_string_lone_second_surrogate.json
                                                        ["\uDFAA"]
```

```
i_string_lone_utf8_continuation_byte.json
                                                      "<u>81</u>"] <=> [""]
                                                      '<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                      "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                      "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                      "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                     "<u>E0FF</u>"] <=> [""]
i string truncated-utf-8.json
i_string_utf16BE_no_BOM.json
                                                    <u>00[00"00E900"00</u>] <=> [""]
                                                    [<u>00"00E900"00]00</u> <=> [""]
i_string_utf16LE_no_BOM.json
i structure 500 nested arrays.json
                                                    i_structure_UTF-8_BOM_empty_object.json
                                                    EFBBBF{} <=> {}
n multidigit number then 00.json
                                                     12300 <=> 123
                                                    (\dots)
n_structure_100000_opening_arrays.json
n_structure_open_array_object.json
                                                     [{"":[{"":[{"":[(...)
y_object_escaped_null_in_key.json
                                                     {"foo\u0000bar": 42}
y string null escape.json
                                                     ["\u0000"]
```

C jansson

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                         i_number_neg_int_huge_exp.json
                                                         [-1e+9999]
                                                        [1.5e+9999]
i_number_pos_double_huge_exp.json
i_number_real_neg_overflow.json
                                                         [-123123e100000]
\verb"i_number_real_pos_overflow.json"
                                                        [123123e100000]
                                                         [123e-10000000]
i_number_real_underflow.json
                                                         [-123123123123123123123123123123]
i_number_too_big_neg_int.json
                                                         [100000000000000000000000]
i_number_too_big_pos_int.json
i_number_very_big_negative_int.json
                                                         [-2374623746732768942798327498324234(...)
                                                         {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                         ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                         ["\uD888\u1234"]
i_string_1st_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
                                                        FFFE[00"00E900"00]00 <=> [""]
                                                          "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF-8_invalid_sequence.json
i_string_UTF8_surrogate_U+D800.json
                                                          "<u>EDA080</u>"] <=> [""]
i_string_incomplete_surrogate_and_escape_valid.json
                                                          "\uD800\n"]
                                                         ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
i_string_incomplete_surrogates_escape_valid.json
                                                         "\uD800\uD800\n"]
                                                         ["\ud800"]
i_string_invalid_lonely_surrogate.json
                                                         ["\ud800abc"]
i_string_invalid_surrogate.json
                                                         "<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
i\_string\_inverted\_surrogates\_U+1D11E.json
                                                         "\uDd1e\uD834"]
                                                         "<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
i_string_lone_second_surrogate.json
                                                         "\uDFAA"]
                                                         "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                         "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                          "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                          "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
i_string_overlong_sequence_6_bytes_null.json
                                                         "<u>FC8080808080</u>"] <=> [""]
i_string_truncated-utf-8.json
                                                         "<u>E0FF</u>"] <=> [""]
                                                        <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                         [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_string_utf16LE_no_BOM.json
i structure 500 nested arrays.json
                                                        (\dots)
i_structure_UTF-8_BOM_empty_object.json
                                                        EFBBBF{} <=> {}
n_multidigit_number_then_00.json
                                                         12300 <=> 123
y_object_escaped_null_in_key.json
                                                       {"foo\u0000bar": 42}
```

C ismn

```
\verb"inumber_too_big_neg_int.json"
                                                          -1231231231231231231231231231231
                                                          [10000000000000000000000]
i_number_too_big_pos_int.json
                                                          [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
                                                          {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
i_string_1st_surrogate_but_2nd_missing.json
                                                          ["\uDADA"]
i string 1st valid surrogate 2nd invalid.json
                                                          ["\uD888\u1234"]
i_string_UTF-16LE_with_BOM.json
                                                         FFFE[00"00E900"00]00 <=> [""]
i string UTF-8 invalid sequence.json
                                                          ["E697A5D188FA"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                           "EDA080"] <=> [""]
i_string_incomplete_surrogate_and_escape_valid.json
                                                          ["\uD800\n"]
                                                         ["\uDdlea"]
i_string_incomplete_surrogate_pair.json
i_string_incomplete_surrogates_escape_valid.json
                                                          ["\uD800\uD800\n"]
                                                          ["\ud800"]
i_string_invalid_lonely_surrogate.json
{\tt i\_string\_invalid\_surrogate.json}
                                                          ["\ud800abc"]
                                                          ["<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
                                                          ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                          ["E9"] <=> [""]
i_string_iso_latin_1.json
i_string_lone_second_surrogate.json
                                                          "\uDFAA"]
                                                           "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
i_string_not_in_unicode_range.json
                                                           "<u>F4BFBFBF</u>"] <=> [""]
                                                           "COAF"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                           "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                           "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                           "<u>E0FF</u>"] <=> [""]
i_string_truncated-utf-8.json
                                                          00[00"00E900"00] <=> [""]
i string utf16BE no BOM.json
                                                          [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_string_utf16LE_no_BOM.json
i_structure_500_nested_arrays.json
                                                          (\dots)
i_structure_UTF-8_BOM_empty_object.json
                                                         EFBBBF{} <=> {}
n_array_1_true_without_comma.json
                                                          [1 true]
                                                          ["": 1]
n_array_colon_instead_of_comma.json
                                                          [""],
n_array_comma_after_close.json
                                                          [,1]
n_array_comma_and_number.json
                                                          [1,,2]
n_array_double_comma.json
n_array_double_extra_comma.json
                                                          ["x",,]
                                                          ·["",]
n_array_extra_comma.json
n_array_items_separated_by_semicolon.json
                                                         [1:2]
                                                          [,]
n_array_just_comma.json
n_array_just_minus.json
                                                          [ - ]
n_array_missing_value.json
                                                          [1,]
n_array_number_and_comma.json
                                                          [1,,]
n_array_number_and_several_commas.json
n_array_spaces_vertical_tab_formfeed.json
                                                          ["<u>0B</u>a"\f] <=> ["&a"\f]
                                                          [*]
n_array_star_inside.json
                                                          [fals]
n_incomplete_false.json
                                                          [nul]
n_incomplete_null.json
n_incomplete_true.json
                                                          [tru]
                                                          123<u>00</u> <=> 123
n_multidigit_number_then_00.json
                                                          [++1234]
n_number_++.json
n_number_+1.json
                                                          [+1]
                                                          [+Inf]
n_number_+Inf.json
                                                          [-01]
n_number_-01.json
                                                          [-1.0.]
n_number_-1.0..json
n number -2..json
                                                          [-2.]
                                                          [-NaN]
n_number_-NaN.json
n_number_.-1.json
                                                          [.-1]
n_number_.2e-3.json
                                                         [.2e-3]
n_number_0.1.2.json
                                                         [0.1.2]
                                                         [0.3e+]
n_number_0.3e+.json
                                                         [0.3e]
n number 0.3e.json
                                                         [0.e1]
n_number_0.el.json
                                                          [0E+]
n_number_0_capital_E+.json
n_number_0_capital_E.json
                                                          [0E]
n\_number\_0e+.\, j\, son
                                                          [0e+]
n_number_0e.json
                                                         [0e]
n_number_1.0e+.json
                                                         [1.0e+]
n_number_1.0e-.json
                                                         [1.0e-]
                                                        [1.0e]
n_number_1.0e.json
```

```
n_number_1_000.json
                                                        [1 000.0]
                                                        [1eE2]
n number 1eE2.json
                                                        [2.e+3]
n_number_2.e+3.json
n_number_2.e-3.json
                                                        [2.e-3]
                                                        [2.e3]
n_number_2.e3.json
n number 9.e+.json
                                                        [9.e+]
n_number_Inf.json
                                                        [Inf]
                                                        [NaN]
n_number_NaN.json
n number expression.json
                                                        [1+2]
                                                        [0x1]
n_number_hex_1_digit.json
n_number_hex_2_digits.json
                                                        [0x42]
n number infinity.json
                                                        [Infinity]
n_number_invalid+-.json
                                                        [0e+-1]
n_number_invalid-negative-real.json
                                                        [-123.123foo]
n number minus infinity.json
                                                        [-Infinity]
n\_number\_minus\_sign\_with\_trailing\_garbage.json
                                                        [-foo]
                                                        [-1]
n_number_minus_space_1.json
                                                        [-012]
n_number_neg_int_starting_with_zero.json
                                                        [-.123]
n_number_neg_real_without_int_part.json
n\_number\_neg\_with\_garbage\_at\_end.json
                                                        [-1x]
                                                        [leal
n_number_real_garbage_after_e.json
n_number_real_without_fractional_part.json
                                                       [1.]
n_number_starting_with_dot.json
                                                       [.123]
n_number_with_alpha.json
                                                       [1.2a-3]
n_number_with_alpha_char.json
                                                       [1.8011670033376514H-308]
                                                       [012]
n_number_with_leading_zero.json
                                                       ["x", truth]
n_object_bad_value.json
                                                       {"x", null}
n_object_comma_instead_of_colon.json
n_object_double_colon.json
                                                       {"x"::"b"}
                                                       {"a":"a" 123}
n_object_garbage_at_end.json
                                                        {key: 'value'}
n_object_key_with_single_quotes.json
                                                        {"a" b}
n_object_missing_colon.json
                                                        {:"b"}
n_object_missing_key.json
                                                        {"a" "b"}
n object missing semicolon.json
                                                        {1:1}
n_object_non_string_key.json
                                                        {9999E9999:1}
n_object_non_string_key_but_huge_number_instead.json
n_object_pi_in_key_and_trailing_comma.json
                                                        {"<u>B9</u>":"0",} <=> {"":"0",}
                                                        {null:null,null:null}
n_object_repeated_null_null.json
n_object_several_trailing_commas.json
                                                        {"id":0,,,,,}
n_object_single_quote.json
                                                        {'a':0}
                                                         ["id":0,}
n_object_trailing_comma.json
                                                        {"a":"b"}/**/
n_object_trailing_comment.json
n_object_trailing_comment_open.json
                                                         ["a":"b"}/**//
n_object_trailing_comment_slash_open.json
                                                         ["a":"b"}//
n_object_trailing_comment_slash_open_incomplete.json
                                                        {"a":"b"}/
n_object_two_commas_in_a_row.json
                                                        {"a":"b",,"c":"d"}
                                                        {a: "b"}
n_object_unquoted_key.json
n\_object\_with\_single\_string.json
                                                         [ "foo" : "bar", "a" }
n_object_with_trailing_garbage.json
                                                         ["a":"b"}#
                                                        [\u0020"asd"]
n_string_leading_uescaped_thinspace.json
n_string_no_quotes_with_bad_escape.json
                                                        [\n]
                                                         ['single quote']
n_string_single_quote.json
                                                        abc
n\_string\_single\_string\_no\_double\_quotes.json
n_string_unescaped_newline.json
                                                         ["new<u>0A</u>line"] <=> ["new line"]
                                                         ["<u>09</u>"] <=> [" "]
n_string_unescaped_tab.json
                                                         "x
n_string_with_trailing_garbage.json
n_structure_angle_bracket_..json
                                                         <.>
n_structure_angle_bracket_null.json
                                                        [1]x
n_structure_array_trailing_garbage.json
                                                        [True]
n_structure_capitalized_True.json
                                                        [][]
n_structure_double_array.json
n_structure_number_with_trailing_garbage.json
n_structure_object_with_comment.json
                                                        {"a":/*comment*/"b"}
                                                        {"a": true} "x"
n_structure_object_with_trailing_garbage.json
n_structure_single_star.json
n_structure_uescaped_LF_before_string.json
y_object_long_strings.json
```

```
y_object_string_unicode.json
```

C pdjson

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                        [-1e+9999]
i_number_neg_int_huge_exp.json
i number pos double huge exp.json
                                                       [1.5e+9999]
                                                        [-123123e100000]
i_number_real_neg_overflow.json
i_number_real_pos_overflow.json
                                                        [123123e100000]
i_number_real_underflow.json
                                                        [123e-10000000]
                                                        [-123123123123123123123123123123]
i_number_too_big_neg_int.json
i_number_too_big_pos_int.json
                                                        [10000000000000000000000]
i number very big negative int.json
                                                        [-2374623746732768942798327498324234(...)
i_object_key_lone_2nd_surrogate.json
                                                        {"\uDFAA":0}
                                                        ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                        ["\uD888\u1234"]
i_string_1st_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
                                                       FFFE[00"00E900"00]00 <=> [""]
                                                        ["<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF-8_invalid_sequence.json
i_string_UTF8_surrogate_U+D800.json
                                                        ["<u>EDA080</u>"] <=> [""]
i string incomplete surrogate and escape valid.json
                                                        ["\uD800\n"]
                                                        ["\uDdlea"]
i_string_incomplete_surrogate_pair.json
                                                        ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
i_string_invalid_lonely_surrogate.json
                                                        ["\ud800"]
i_string_invalid_surrogate.json
                                                        ["\ud800abc"]
i_string_invalid_utf-8.json
                                                         "FF"] <=> [""]
i_string_inverted_surrogates_U+1D11E.json
                                                        ["\uDd1e\uD834"]
i_string_iso_latin_1.json
                                                         "<u>E9</u>"] <=> [""]
i_string_lone_second_surrogate.json
                                                         "\uDFAA"]
                                                         "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                         "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                         "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
i_string_overlong_sequence_6_bytes.json
                                                         "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                         "<u>FC8080808080</u>"] <=> [""]
\verb"i_string_truncated-utf-8.json"
                                                         "E0FF"] <=> [""]
                                                       <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
i_string_utf16LE_no_BOM.json
                                                        [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
                                                        i_structure_500_nested_arrays.json
i_structure_UTF-8_BOM_empty_object.json
                                                       <u>EFBBBF</u>{} <=> {}
```

{"title":"\u041f\u043e\u043b\u0442\u(...)

C++ RapidJSON

Crystal

Elixir ExJSON

Elixir Json

Elixir Poison

Free Pascal fcl-json

Go 1.7.1

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                   i_number_neg_int_huge_exp.json
                                                   [-1e+9999]
i_number_pos_double_huge_exp.json
                                                   [1.5e+9999]
i\_number\_real\_neg\_overflow.json
                                                   [-123123e100000]
i\_number\_real\_pos\_overflow.json
                                                   [123123e100000]
                                                   [123e-10000000]
i_number_real_underflow.json
                                                [-123123123123123123123123123123]
i_number_too_big_neg_int.json
```

```
i_number_too_big_pos_int.json
                                                         [100000000000000000000000]
                                                         -2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
                                                        {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                      ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
i_string_1st_valid_surrogate_2nd_invalid.json
                                                        ["\uD888\u1234"]
                                                       FFFE[00"00E900"00]00 <=> [""]
i string UTF-16LE with BOM.json
i_string_UTF-8_invalid_sequence.json
                                                         "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                         "EDA080"] <=> [""]
                                                        ["\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
                                                        ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
                                                        ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
i_string_invalid_lonely_surrogate.json
                                                        ["\ud800"]
                                                        ["\ud800abc"]
i_string_invalid_surrogate.json
                                                        ["<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
                                                        ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                        ["<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                        ["\uDFAA"]
i_string_lone_second_surrogate.json
                                                         ["81"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                         "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                         ["<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                         "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                         "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                         "E0FF"] <=> [""]
i_string_truncated-utf-8.json
                                                        00[00"00E900"00] <=> [""]
i_string_utf16BE_no_BOM.json
                                                        [<u>00"00E900"00]00</u> <=> [""]
i_string_utf16LE_no_BOM.json
                                                        (\dots)
i_structure_500_nested_arrays.json
i\_structure\_UTF-8\_BOM\_empty\_object.json
                                                       EFBBBF{} <=> {}
```

Haskell Aeson 0.11.2.1

Java Actson 1.2.0

```
i\_number\_double\_huge\_neg\_exp.json
                                                          [123.456e-789]
i_number_huge_exp.json
                                                          [-1e+9999]
i_number_neg_int_huge_exp.json
i\_number\_pos\_double\_huge\_exp.json
                                                          [1.5e+9999]
                                                          [-123123e100000]
i_number_real_neg_overflow.json
i\_number\_real\_pos\_overflow.json
                                                          [123123e100000]
                                                          [123e-100000001
i_number_real_underflow.json
                                                          [-123123123123123123123123123123]
i_number_too_big_neg_int.json
i_number_too_big_pos_int.json
                                                          i_number_very_big_negative_int.json
                                                          [-2374623746732768942798327498324234(...)
i_object_key_lone_2nd_surrogate.json
                                                          {"\uDFAA":0}
                                                          ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                          ["\uD888\u1234"]
i_string_lst_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
                                                          FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-8_invalid_sequence.json
                                                          ["<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                           "<u>EDA080</u>"] <=> [""]
i_string_incomplete_surrogate_and_escape_valid.json ["\uD800\n"]
i_string_incomplete_surrogate_pair.json
                                                          ["\uDdlea"]
                                                          ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
\verb"i_string_invalid_lonely_surrogate.json"
                                                          ["\ud800"]
                                                          ["\ud800abc"]
i_string_invalid_surrogate.json
i_string_invalid_utf-8.json
                                                           "FF"] <=> [""]
i_string_inverted_surrogates_U+1D11E.json
                                                           "\uDd1e\uD834"]
i_string_iso_latin_1.json
                                                           "<u>E9</u>"] <=> [""]
                                                          ["\uDFAA"]
i_string_lone_second_surrogate.json
\verb|i_string_lone_utf8_continuation_byte.json|\\
                                                           "<u>81</u>"] <=> [""]
                                                           "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                           "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
i_string_overlong_sequence_6_bytes.json
                                                           "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                           "<u>FC8080808080</u>"] <=> [""]
                                                           "<u>E0FF</u>"] <=> [""]
i_string_truncated-utf-8.json
                                                          <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                          [\underline{00}"\underline{00E900}"\underline{00}]\underline{00} \iff [""]
i_string_utf16LE_no_BOM.json
```

```
i_structure_500_nested_arrays.json
i_structure_UTF-8_BOM_empty_object.json
```

Java Jackson 2.8.4

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                         [-1e+9999]
i_number_neg_int_huge_exp.json
                                                         [1.5e+9999]
i_number_pos_double_huge_exp.json
                                                         [-123123e100000]
i_number_real_neg_overflow.json
                                                         [123123e100000]
i_number_real_pos_overflow.json
                                                         [123e-10000000]
i_number_real_underflow.json
                                                         [-123123123123123123123123123123]
i_number_too_big_neg_int.json
i_number_too_big_pos_int.json
                                                         [10000000000000000000000]
i number very big negative int.json
                                                         [-2374623746732768942798327498324234(...)
                                                         {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
i string 1st surrogate but 2nd missing.json
                                                        ["\uDADA"]
i string 1st valid surrogate 2nd invalid.json
                                                         ["\uD888\u1234"]
i_string_UTF-16LE_with_BOM.json
                                                        <u>FFFE[00"00E900"00]00</u> <=> [""]
i_string_UTF-8_invalid_sequence.json
                                                          "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                          "<u>EDA080</u>"] <=> [""]
i_string_incomplete_surrogate_and_escape_valid.json
                                                         ["\uD800\n"]
                                                        ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
                                                         ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
                                                         ["\ud800"]
i_string_invalid_lonely_surrogate.json
                                                         ["\ud800abc"]
i_string_invalid_surrogate.json
i_string_invalid_utf-8.json
                                                          "<u>FF</u>"] <=> [""]
                                                         ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
i_string_iso_latin_1.json
                                                          "<u>E9</u>"] <=> [""]
i_string_lone_second_surrogate.json
                                                         ["\uDFAA"]
i_string_lone_utf8_continuation_byte.json
                                                          "<u>81</u>"] <=> [""]
                                                          "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                          "COAF"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                          "<u>FC83BFBFBFBF</u>"] <=> [""]
\verb|i_string_overlong_sequence_6_bytes.json|\\
i_string_overlong_sequence_6_bytes_null.json
                                                          "FC8080808080"] <=> [""]
                                                          "E0FF"] <=> [""]
i_string_truncated-utf-8.json
i_string_utf16BE_no_BOM.json
                                                         00[00"00E900"00] <=> [""]
                                                         [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_string_utf16LE_no_BOM.json
                                                         (\dots)
i_structure_500_nested_arrays.json
\verb|i_structure_UTF-8_BOM_empty_object.json|
                                                         EFBBBF{} <=> {}
                                                         [""].
n_array_comma_after_close.json
n_array_extra_close.json
                                                         ["x"]]
                                                         {"a":"b"}/**/
n_object_trailing_comment.json
                                                         {"a":"b"}/**//
n_object_trailing_comment_open.json
                                                         {"a":"b"}//
n_object_trailing_comment_slash_open.json
                                                        {"a":"b"}/
n_object_trailing_comment_slash_open_incomplete.json
                                                         {"a":"b"}#
n_object_with_trailing_garbage.json
                                                         '"x
n_string_with_trailing_garbage.json
                                                         [1]x
n_structure_array_trailing_garbage.json
n_structure_array_with_extra_array_close.json
                                                        [1]]
                                                        [][]
n_structure_double_array.json
n_structure_object_followed_by_closing_object.json
                                                        {}}
                                                        {"a": true} "x"
n_structure_object_with_trailing_garbage.json
                                                       {"a":"b"}#{}
n_structure_trailing_#.json
```

Java com.leastfixedpoint.json 1.0

```
i_number_double_huge_neg_exp.json
                                                 [123.456e-789]
                                                 i_number_huge_exp.json
i_number_neg_int_huge_exp.json
                                                [-1e+9999]
i_number_pos_double_huge_exp.json
                                                [1.5e+9999]
i\_number\_real\_neg\_overflow.json
                                                 [-123123e100000]
i_number_real_pos_overflow.json
                                                 [123123e100000]
                                                 [123e-10000000]
i_number_real_underflow.json
i_number_too_big_neg_int.json
                                                 [-123123123123123123123123123]
```

```
[100000000000000000000000]
i number too big pos int.json
                                                          [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
                                                          {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                       ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
i_string_1st_valid_surrogate_2nd_invalid.json
                                                          ["\uD888\u1234"]
                                                         FFFE[00"00E900"00]00 <=> [""]
i string UTF-16LE with BOM.json
i_string_UTF-8_invalid_sequence.json
                                                          "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                          "EDA080"] <=> [""]
                                                          ["\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
                                                          ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
                                                          ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
i_string_invalid_lonely_surrogate.json
                                                          ["\ud800"]
i_string_invalid_surrogate.json
                                                          ["\ud800abc"]
{\tt i\_string\_invalid\_utf-8.json}
                                                          ["FF"] <=> [""]
                                                          ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                          ["<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                          ["\uDFAA"]
i_string_lone_second_surrogate.json
i_string_lone_utf8_continuation_byte.json
                                                          ["81"] <=> [""]
                                                          ["<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                          ["<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                          "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                          "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                          "E0FF"] <=> [""]
i_string_truncated-utf-8.json
                                                         <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                         [\underline{00}"\underline{00E900}"\underline{00}]\underline{00} <=> [""]
i_string_utf16LE_no_BOM.json
                                                          (\dots)
i_structure_500_nested_arrays.json
i\_structure\_UTF-8\_BOM\_empty\_object.json
                                                         EFBBBF{} <=> {}
                                                          [-01]
n_number_-01.json
n_number_-2..json
                                                          [-2.]
                                                          [0.e1]
n_number_0.el.json
n_number_2.e+3.json
                                                          [2.e+3]
                                                          [2.e-3]
n_number_2.e-3.json
                                                          [2.e3]
n_number_2.e3.json
n_number_U+FF11_fullwidth_digit_one.json
                                                          [EFBC91] <=> [1]
                                                         [-012]
n_number_neg_int_starting_with_zero.json
n number neg real without int part.json
                                                       [-.123]
                                                       [1.]
n_number_real_without_fractional_part.json
                                                         [012]
n number with leading zero.json
n_object_single_quote.json
                                                        {'a':0}
n_object_trailing_comment_slash_open.json
                                                        {"a":"b"}//
n\_string\_invalid\_unicode\_escape.json
                                                         ["\uqqqq"]
                                                         ['single quote']
n_string_single_quote.json
                                                          ["a00a"] <=> ["aa"]
n_string_unescaped_crtl_char.json
                                                          ["new<u>OA</u>line"] <=> ["new line"]
n_string_unescaped_newline.json
n_string_unescaped_tab.json
                                                          ["<u>09</u>"] <=> [" "]
                                                          [<u>0C</u>] <=> []
n_structure_whitespace_formfeed.json
```

Java gson 2.7

```
i_number_double_huge_neg_exp.json
i\_number\_huge\_exp.json
i_number_neg_int_huge_exp.json
i_number_pos_double_huge_exp.json
i_number_real_neg_overflow.json
i_number_real_pos_overflow.json
i_number_real_underflow.json
i_number_too_big_neg_int.json
i_number_too_big_pos_int.json
i_number_very_big_negative_int.json
i_object_key_lone_2nd_surrogate.json
i_string_lst_surrogate_but_2nd_missing.json
i_string_1st_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
i_string_UTF-8_invalid_sequence.json
i_string_UTF8_surrogate_U+D800.json
```

```
[123.456e-789]
[-1e+9999]
[1.5e+9999]
[-123123e100000]
[123123e100000]
[123e-10000000]
[-123123123123123123123123123123]
[-2374623746732768942798327498324234(...)
{"\uDFAA":0}
["\uDADA"]
["\uD888\u1234"]
<u>FFFE[00"00E900"00]00</u> <=> [""]
 "<u>E697A5D188FA</u>"] <=> ["日ш"]
 "<u>EDA080</u>"] <=> [""]
```

```
i_string_incomplete_surrogate_and_escape_valid.json
                                                           ["\uD800\n"]
                                                           "\uDdlea"]
i_string_incomplete_surrogate_pair.json
                                                           ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
                                                           ["\ud800"]
i_string_invalid_lonely_surrogate.json
                                                           "\ud800abc"]
i_string_invalid_surrogate.json
                                                           "<u>FF</u>"] <=> [""]
i string invalid utf-8.json
i_string_inverted_surrogates_U+1D11E.json
                                                           "\uDd1e\uD834"]
                                                           "<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
i string lone second surrogate.json
                                                           "\uDFAA"]
                                                           "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
i_string_not_in_unicode_range.json
                                                           "F4BFBFBF"] <=> [""]
                                                           "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                           "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
i_string_overlong_sequence_6_bytes_null.json
                                                           "<u>FC8080808080</u>"] <=> [""]
i string truncated-utf-8.json
                                                           "<u>E0FF</u>"] <=> [""]
i_string_utf16BE_no_BOM.json
                                                         00[00"00E900"00] <=> [""]
i_string_utf16LE_no_BOM.json
                                                          [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i structure 500 nested arrays.json
                                                          (\dots)
i_structure_UTF-8_BOM_empty_object.json
                                                         <u>EFBBBF</u>{} <=> {}
n_array_a_invalid_utf8.json
                                                          [a<u>E5</u>] <=> [a]
                                                         [,1]
n_array_comma_and_number.json
n_array_double_comma.json
                                                         [1,,2]
                                                         ["x",,]
n_array_double_extra_comma.json
                                                        [,"",j
n_array_extra_comma.json
n_array_invalid_utf8.json
                                                         [<u>FF</u>] <=> []
n\_array\_just\_comma.json
                                                         [,]
                                                         [-]
n_array_just_minus.json
                                                        [ , ""]
n_array_missing_value.json
n_array_number_and_comma.json
                                                        [1,]
                                                        [1,,]
n_array_number_and_several_commas.json
                                                         [*]
n_array_star_inside.json
                                                         [fals]
n_incomplete_false.json
                                                         [nul]
n_incomplete_null.json
                                                          [tru]
n incomplete true.json
                                                          123<u>00</u> <=> 123
n_multidigit_number_then_00.json
n_number_++.json
                                                         [++1234]
n number +1.json
                                                         [+1]
                                                         [+Inf]
n_number_+Inf.json
n number -01.json
                                                          [-01]
n_number_-1.0..json
                                                          [-1.0.]
n_number_-2..json
                                                          [-2.]
n_number_-NaN.json
                                                          [-NaN]
                                                          [.-1]
n_number_.-1.json
n_number_.2e-3.json
                                                          [.2e-3]
n_number_0.1.2.json
                                                          [0.1.2]
n_number_0.3e+.json
                                                          [0.3e+]
                                                          [0.3e]
n_number_0.3e.json
n_number_0.el.json
                                                          [0.e1]
                                                          [0E+1
n_number_0_capital_E+.json
                                                          [0E]
n_number_0_capital_E.json
n_number_0e+.json
                                                          [0e+]
n_number_0e.json
                                                          [0e]
                                                          [1.0e+]
n_number_1.0e+.json
                                                          [1.0e-]
n_number_1.0e-.json
                                                          [1.0e]
n_number_1.0e.json
                                                          [1eE2]
n_number_1eE2.json
                                                          [2.e+3]
n_number_2.e+3.json
n_number_2.e-3.json
                                                         [2.e-3]
n_number_2.e3.json
                                                         [2.e3]
                                                         [9.e+]
n_number_9.e+.json
                                                          [Inf]
n_number_Inf.json
                                                          [NaN]
n_number_NaN.json
n_number_U+FF11_fullwidth_digit_one.json
                                                          [<u>EFBC91</u>] <=> [1]
n\_number\_expression.json
                                                         [1+2]
n_number_hex_1_digit.json
                                                         [0x1]
n_number_hex_2_digits.json
                                                         [0x42]
                                                         [Infinity]
n_number_infinity.json
```

```
n_number_invalid+-.json
                                                           [0e+-1]
                                                            [-123.123foo]
n_number_invalid-negative-real.json
                                                            [123<u>E5</u>] <=> [123]
n_number_invalid-utf-8-in-bigger-int.json
                                                            [1e1<u>E5</u>] <=> [1e1]
n_number_invalid-utf-8-in-exponent.json
                                                            [0\underline{E5}]\underline{0A} \iff [0]
n_number_invalid-utf-8-in-int.json
                                                            [-Infinity]
n number minus infinity.json
n_number_minus_sign_with_trailing_garbage.json
                                                            [-foo]
                                                            [-012]
n_number_neg_int_starting_with_zero.json
n number neg real without int part.json
                                                            [-.1231]
                                                            [-1x]
n_number_neg_with_garbage_at_end.json
n number real garbage after e.json
                                                            [lea]
n number real with invalid utf8 after e.json
                                                            [1e<u>E5</u>] <=> [1e]
n_number_real_without_fractional_part.json
                                                           [1.]
n_number_starting_with_dot.json
                                                           [.123]
n number with alpha.json
                                                           [1.2a-3]
n_number_with_alpha_char.json
                                                           [1.8011670033376514H-308]
                                                           [012]
n_number_with_leading_zero.json
                                                           ["x", truth]
n object bad value.json
                                                           {key: 'value'}
n_object_key_with_single_quotes.json
n_object_non_string_key.json
                                                           {1:1}
n_object_non_string_key_but_huge_number_instead.json {9999E9999:1}
n_object_repeated_null_null.json
                                                            {null:null,null:null}
                                                           {'a':0}
n_object_single_quote.json
n_object_unquoted_key.json
                                                           {a: "b"}
                                                            [<u>C3A9</u>] <=> [é]
n_string_accentuated_char_no_quotes.json
n_string_single_quote.json
                                                            ['single quote']
                                                           abc
n\_string\_single\_string\_no\_double\_quotes.json
n_string_unescaped_crtl_char.json
                                                            ["a<u>00</u>a"] <=> ["aa"]
n_string_unescaped_newline.json
                                                            ["new<u>0A</u>line"] <=> ["new line"]
                                                            ["<u>09</u>"] <=> [" "]
n_string_unescaped_tab.json
                                                            [<u>E281A0</u>] <=> []
n_structure_U+2060_word_joined.json
n_structure_angle_bracket_..json
                                                            <.>
n_structure_angle_bracket_null.json
                                                           a<u>C3A5</u> <=> aå
n structure ascii-unicode-identifier.json
                                                           [True]
n_structure_capitalized_True.json
                                                           <u>E5</u> <=>
n_structure_lone-invalid-utf-8.json
n structure null-byte-outside-string.json
                                                           [\underline{00}] \iff []
n_structure_number_with_trailing_garbage.json
                                                           {"a":/*comment*/"b"}
n_structure_object_with_comment.json
n_structure_single_eacute.json
                                                           <u>E9</u> <=>
n_structure_single_star.json
n_structure_unicode-identifier.json
                                                            <u>C3A5</u> <=> å
n\_structure\_whitespace\_U+2060\_word\_joiner.json
                                                            [<u>E281A0</u>] <=> []
y_structure_lonely_null.json
```

Java json-simple 1.1.1

```
123.456e-789]
i_number_double_huge_neg_exp.json
                                                      i_number_huge_exp.json
i_number_neg_int_huge_exp.json
                                                      [-1e+9999]
                                                      [1.5e+9999]
i_number_pos_double_huge_exp.json
                                                      [-123123e100000]
i_number_real_neg_overflow.json
                                                      [123123e100000]
i_number_real_pos_overflow.json
                                                      [123e-100000001
i_number_real_underflow.json
                                                      [-123123123123123123123123123123]
i_number_too_big_neg_int.json
                                                      [10000000000000000000000]
i_number_too_big_pos_int.json
                                                      [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
i_object_key_lone_2nd_surrogate.json
                                                      {"\uDFAA":0}
                                                      ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
i_string_lst_valid_surrogate_2nd_invalid.json
                                                    ["\uD888\u1234"]
                                                      FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-16LE_with_BOM.json
i_string_UTF-8_invalid_sequence.json
                                                      "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                       "EDA080"] <=> [""]
i_string_incomplete_surrogate_and_escape_valid.json
                                                      ["\uD800\n"]
i_string_incomplete_surrogate_pair.json
                                                      ["\uDd1ea"]
i\_string\_incomplete\_surrogates\_escape\_valid.json
                                                      ["\uD800\uD800\n"]
```

```
i_string_invalid_lonely_surrogate.json
                                                         "\ud800"]
                                                         "\ud800abc"]
i_string_invalid_surrogate.json
                                                        ["<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
                                                        ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                        ["<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                        ["\uDFAA"]
i string lone second surrogate.json
i_string_lone_utf8_continuation_byte.json
                                                        ["81"] <=> [""]
                                                         "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                         "COAF"1 <=> [""]
i string overlong sequence 2 bytes.json
                                                         "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
i_string_overlong_sequence_6_bytes_null.json
                                                        ["FC8080808080"] <=> [""]
i string truncated-utf-8.json
                                                        ["<u>E0FF</u>"] <=> [""]
                                                       <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
i_string_utf16LE_no_BOM.json
                                                        [00"00E900"00]00 <=> [""]
i structure 500 nested arrays.json
                                                       i_structure_UTF-8_BOM_empty_object.json
                                                       EFBBBF{} <=> {}
                                                     [1 true]
n_array_1_true_without_comma.json
                                                     [,1]
n_array_comma_and_number.json
                                                     [1,,2]
n_array_double_comma.json
                                                     ["x",,]
n_array_double_extra_comma.json
                                                     [""]
n_array_extra_comma.json
                                                     [3[4]]
n_array_inner_array_no_comma.json
                                                     [,]
n_array_just_comma.json
                                                     [ , ""]
n_array_missing_value.json
                                                     [1,]
n_array_number_and_comma.json
                                                     [1,,]
n_array_number_and_several_commas.json
                                                     [-01]
n_number_-01.json
                                                     [1 000.0]
n_number_1_000.json
n\_number\_neg\_int\_starting\_with\_zero.json
                                                     [-012]
                                                     [012]
n_number_with_leading_zero.json
                                                       {"x"::"b"}
n_object_double_colon.json
                                                        {"a" "b"}
n_object_missing_semicolon.json
                                                        {"<u>B9</u>":"0",} <=> {"":"0",}
n_object_pi_in_key_and_trailing_comma.json
                                                        {"id":0,,,,,}
n object several trailing commas.json
                                                        {"id":0,}
n_object_trailing_comma.json
                                                       {"a":"b",,"c":"d"}
n_object_two_commas_in_a_row.json
n_string_1_surrogate_then_escape u1.json
                                                        (MISSING FILE)
                                                        (MISSING FILE)
n_string_1_surrogate_then_escape ulx.json
n_string_1_surrogate_then_escape_u.json
                                                        ["\uD800\u"]
                                                        ["\<u>00</u>"] <=> ["\"]
n_string_backslash_00.json
n_string_escape_x.json
                                                        ["\x00"]
n_string_escaped_ctrl_char_tab.json
                                                        ["\<u>09</u>"] <=> ["\ "]
                                                        ["\<u>F09F8C80</u>"] <=> ["\[]"]
n_string_escaped_emoji.json
n\_string\_incomplete\_escaped\_character.json
                                                        ["\u00A"]
                                                        ["\uD834\uDd"]
n_string_incomplete_surrogate.json
                                                        ["\uD800\uD800\x"]
n_string_incomplete_surrogate_escape_invalid.json
                                                        ["\u<u>E5</u>"] <=> ["\u"]
n_string_invalid-utf-8-in-escape.json
n_string_invalid_backslash_esc.json
                                                        ["\a"]
                                                         "\uqqqq"]
n_string_invalid_unicode_escape.json
                                                         "\<u>E5</u>"] <=> ["\"]
n_string_invalid_utf8_after_escape.json
n_string_unescaped_crtl_char.json
                                                         "a<u>00</u>a"] <=> ["aa"]
                                                        ["new<u>0A</u>line"] <=> ["new line"]
n_string_unescaped_newline.json
                                                         "<u>09</u>"] <=> [" "]
n_string_unescaped_tab.json
                                                        "\UA66D"
n_string_unicode_CapitalU.json
```

Java nanojson 1.0

```
i\_number\_double\_huge\_neg\_exp.json
                                                    [123.456e-789]
i\_number\_huge\_exp.json
                                                    i_number_neg_int_huge_exp.json
                                                    [-1e+9999]
                                                   [1.5e+9999]
i_number_pos_double_huge_exp.json
                                                    [-123123e100000]
i_number_real_neg_overflow.json
                                                   [123123e100000]
i_number_real_pos_overflow.json
                                                   [123e-10000000]
i_number_real_underflow.json
i_number_too_big_neg_int.json
                                                    [-123123123123123123123123123123]
                                                 [100000000000000000000000]
i_number_too_big_pos_int.json
```

```
i_number_very_big_negative_int.json
                                                         [-2374623746732768942798327498324234(...)
                                                         {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                       ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                        ["\uD888\u1234"]
i_string_1st_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
                                                        <u>FFFE[00"00E900"00]00</u> <=> [""]
i string UTF-8 invalid sequence.json
                                                         ["E697A5D188FA"] <=> ["日ш"]
                                                         "EDA080"] <=> [""]
i string UTF8 surrogate U+D800.json
i_string_incomplete_surrogate_and_escape_valid.json
                                                        ["\uD800\n"]
                                                         ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
                                                         ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
                                                         ["\ud800"]
i_string_invalid_lonely_surrogate.json
i_string_invalid_surrogate.json
                                                         ["\ud800abc"]
i string invalid utf-8.json
                                                         ["<u>FF</u>"] <=> [""]
i_string_inverted_surrogates_U+1D11E.json
                                                         ["\uDd1e\uD834"]
                                                         ["<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                         ["\uDFAA"]
i_string_lone_second_surrogate.json
                                                         "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                         "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                         "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
i_string_overlong_sequence_6_bytes.json
                                                         "<u>FC83BFBFBFBF</u>"] <=> [""]
                                                         "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
i string truncated-utf-8.json
                                                         "<u>E0FF</u>"] <=> [""]
                                                        00[00"00E900"00] <=> [""]
i_string_utf16BE_no_BOM.json
                                                         [<u>00"00E900"00]00</u> <=> [""]
i_string_utf16LE_no_BOM.json
i structure 500 nested arrays.json
                                                         (\dots)
                                                        <u>EFBBBF</u>{} <=> {}
i_structure_UTF-8_BOM_empty_object.json
                                                        [-2.]
n_number_-2..json
n_number_0.el.json
                                                        [0.e1]
n_number_2.e+3.json
                                                        [2.e+3]
                                                        [2.e-3]
n_number_2.e-3.json
                                                     [2.e3]
n_number_2.e3.json
                                                     [1.]
n_number_real_without_fractional_part.json
```

Java nanojson 1.1

```
123.456e-7891
i_number_double_huge_neg_exp.json
                                                         i_number_huge_exp.json
                                                         [-1e+9999]
i_number_neg_int_huge_exp.json
                                                         [1.5e+9999]
i_number_pos_double_huge_exp.json
                                                         [-123123e100000]
i_number_real_neg_overflow.json
i_number_real_pos_overflow.json
                                                         [123123e100000]
                                                         [123e-100000001
i_number_real_underflow.json
i_number_too_big_neg_int.json
                                                         [-123123123123123123123123123123]
                                                         [10000000000000000000000]
i_number_too_big_pos_int.json
i_number_very_big_negative_int.json
                                                         [-2374623746732768942798327498324234(...)
                                                         {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                        ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
i_string_1st_valid_surrogate_2nd_invalid.json
                                                        ["\uD888\u1234"]
i_string_UTF-16LE_with_BOM.json
                                                        <u>FFFE[00"00E900"00]00</u> <=> [""]
                                                         "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF-8_invalid_sequence.json
i\_string\_UTF8\_surrogate\_U+D800.json
                                                         "EDA080"] <=> [""]
                                                         ["\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
                                                        ["\uDd1ea"]
i\_string\_incomplete\_surrogate\_pair.json
i_string_incomplete_surrogates_escape_valid.json
                                                        ["\uD800\uD800\n"]
                                                         ["\ud800"]
i_string_invalid_lonely_surrogate.json
                                                         ["\ud800abc"]
i_string_invalid_surrogate.json
                                                         ["<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
                                                         ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                         ["<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                         ["\uDFAA"]
i_string_lone_second_surrogate.json
i_string_lone_utf8_continuation_byte.json
                                                         "<u>81</u>"] <=> [""]
                                                         "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
i_string_overlong_sequence_2_bytes.json
                                                         "<u>COAF</u>"] <=> [""]
                                                         "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                         "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
i_string_truncated-utf-8.json
                                                         ["<u>E0FF</u>"] <=> [""]
```

```
i string utf16BE no BOM.json
i string utf16LE no BOM.json
i_structure_500_nested_arrays.json
i_structure_UTF-8_BOM_empty_object.json
```

```
00[00"00E900"00] <=> [""]
 [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
EFBBBF{} <=> {}
```

Java org.json 2016-08-15

```
i_number_double_huge_neg_exp.json
i\_number\_huge\_exp.json
i_number_neg_int_huge_exp.json
i_number_pos_double_huge_exp.json
i_number_real_neg_overflow.json
i_number_real_pos_overflow.json
i\_number\_real\_underflow.json
i_number_too_big_neg_int.json
i_number_too_big_pos_int.json
i_number_very_big_negative_int.json
i_object_key_lone_2nd_surrogate.json
i_string_lst_surrogate_but_2nd_missing.json
i_string_1st_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
i\_string\_UTF-8\_invalid\_sequence.json
i_string_UTF8_surrogate_U+D800.json
i_string_incomplete_surrogate_and_escape_valid.json
i_string_incomplete_surrogate_pair.json
i\_string\_incomplete\_surrogates\_escape\_valid.json
i_string_invalid_lonely_surrogate.json
i\_string\_invalid\_surrogate.json
i_string_invalid_utf-8.json
i_string_inverted_surrogates_U+1D11E.json
i_string_iso_latin_1.json
i_string_lone_second_surrogate.json
i_string_lone_utf8_continuation_byte.json
i_string_not_in_unicode_range.json
i_string_overlong_sequence_2_bytes.json
i_string_overlong_sequence_6_bytes.json
i_string_overlong_sequence_6_bytes_null.json
i_string_truncated-utf-8.json
i_string_utf16BE_no_BOM.json
i_string_utf16LE_no_BOM.json
i_structure_500_nested_arrays.json
i_structure_UTF-8_BOM_empty_object.json
n_array_1_true_without_comma.json
n_array_a_invalid_utf8.json
n_array_comma_after_close.json
n_array_comma_and_number.json
n_array_double_comma.json
n_array_double_extra_comma.json
n_array_extra_close.json
n_array_extra_comma.json
n_array_invalid_utf8.json
n_array_just_comma.json
n_array_just_minus.json
n_array_missing_value.json
n_array_number_and_comma.json
n_array_number_and_several_commas.json
n_array_star_inside.json
n incomplete false.json
n_incomplete_null.json
n_incomplete_true.json
n_number_++.json
n_number_+1.json
n_number_+Inf.json
n_number_-01.json
n_number_-1.0..json
n_number_-2..json
```

```
[123.456e-789]
 [-1e+9999]
 [1.5e+9999]
 [-123123e100000]
[123123e100000]
 [123e-10000000]
 [-123123123123123123123123123123]
 -2374623746732768942798327498324234(...)
 {"\uDFAA":0}
 ["\uDADA"]
  ["\uD888\u1234"]
 FFFE[00"00E900"00]00 <=> [""]
  "<u>E697A5D188FA</u>"] <=> ["日ш"]
  "<u>EDA080</u>"] <=> [""]
  ["\uD800\n"]
 ["\uDd1ea"]
  ["\uD800\uD800\n"]
  "\ud800"]
  "\ud800abc"]
  "FF"] <=> [""]
  "\uDd1e\uD834"]
  "E9"1 <=> [""1
  "\uDFAA"]
  "<u>81</u>"] <=> [""]
  "<u>F4BFBFBF</u>"] <=> [""]
   "COAF"] <=> [""]
   "<u>FC83BFBFBFBF</u>"] <=> [""]
   "<u>FC8080808080</u>"] <=> [""]
  "<u>E0FF</u>"] <=> [""]
 <u>00[00"00E900"00</u>] <=> [""]
  [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
 (...)
<u>EFBBBF</u>{} <=> {}
 [1 true]
 [a<u>E5</u>] <=> [a]
 [""],
 [,1]
[1,,2]
["x",,]
["x"]]
 [""]
 [<u>FF</u>] <=> []
[,]
[-]
 [ , ""]
[1,]
[1,,]
[*]
[fals]
 [nul]
[tru]
[++1234]
[+1]
[+Inf]
[-01]
[-1.0.]
[-2.]
```

```
n_number_-NaN.json
                                                          [-NaN]
                                                          [.-1]
n_number_.-1.json
                                                          [.2e-3]
n_number_.2e-3.json
                                                          [0.1.2]
n_number_0.1.2.json
n_number_0.3e+.json
                                                          [0.3e+]
n number 0.3e.json
                                                          [0.3e]
n_number_0.el.json
                                                          [0.e1]
                                                          [0E+]
n_number_0_capital_E+.json
                                                          [0E]
n number 0 capital E.json
                                                          [0e+]
n_number_0e+.json
n number 0e.json
                                                          [0e]
n number 1.0e+.json
                                                          [1.0e+]
n_number_1.0e-.json
                                                         [1.0e-]
n number 1.0e.json
                                                         [1.0e]
n number 1 000.json
                                                          [1 000.0]
n_number_1eE2.json
                                                         [1eE2]
                                                         [2.e+3]
n_number_2.e+3.json
n number 2.e-3.json
                                                         [2.e-3]
                                                         [2.e3]
n_number_2.e3.json
n_number_9.e+.json
                                                         [9.e+]
                                                         [Infl
n_number_Inf.json
n_number_NaN.json
                                                          [NaN]
                                                          [<u>EFBC91</u>] <=> [1]
n_number_U+FF11_fullwidth_digit_one.json
                                                          [1+2]
n_number_expression.json
n_number_hex_1_digit.json
                                                          [0x1]
                                                          [0x42]
n_number_hex_2_digits.json
n_number_infinity.json
                                                          [Infinity]
n_number_invalid+-.json
                                                          [0e+-1]
n_number_invalid-negative-real.json
                                                          [-123.123foo]
n_number_invalid-utf-8-in-bigger-int.json
                                                          [123E5] <=> [123]
n_number_invalid-utf-8-in-exponent.json
                                                          [1e1<u>E5</u>] <=> [1e1]
n_number_invalid-utf-8-in-int.json
                                                          [0\underline{E5}]\underline{0A} \iff [0]
                                                          [-Infinity]
n_number_minus_infinity.json
n_number_minus_sign_with_trailing_garbage.json
                                                          -fool
n_number_minus_space_1.json
                                                          - 11
                                                          -012]
n_number_neg_int_starting_with_zero.json
                                                          [-.1231
n_number_neg_real_without_int_part.json
n_number_neg_with_garbage_at_end.json
                                                          [-1x]
n_number_real_garbage_after_e.json
                                                          [lea]
n_number_real_with_invalid_utf8_after_e.json
                                                          [1e<u>E5</u>] <=> [1e]
                                                          [1.]
n_number_real_without_fractional_part.json
n_number_starting_with_dot.json
                                                          [.123]
                                                          [1.2a-3]
n_number_with_alpha.json
                                                          [1.8011670033376514H-308]
n_number_with_alpha_char.json
                                                          [012]
n_number_with_leading_zero.json
                                                          ["x", truth]
n_object_bad_value.json
                                                          {key: 'value'}
n_object_key_with_single_quotes.json
n_object_non_string_key.json
                                                          \{1:1\}
n_object_non_string_key_but_huge_number_instead.json
                                                          {9999E9999:1}
                                                          {"<u>B9</u>":"0",} <=> {"":"0",}
n_object_pi_in_key_and_trailing_comma.json
                                                          {'a':0}
n_object_single_quote.json
                                                          {"id":0,}
n_object_trailing_comma.json
                                                          {"a":"b"}/**/
n object trailing comment.json
                                                          {"a":"b"}/**//
n_object_trailing_comment_open.json
                                                         {"a":"b"}//
n_object_trailing_comment_slash_open.json
n_object_trailing_comment_slash_open_incomplete.json {"a":"b"}/
n_object_unquoted_key.json
                                                          {a: "b"}
                                                          {"a":"b"}#
n_object_with_trailing_garbage.json
                                                          [<u>C3A9</u>] <=> [é]
n_string_accentuated_char_no_quotes.json
                                                          ['single quote']
n_string_single_quote.json
                                                          ["<u>09</u>"] <=> [" "]
n_string_unescaped_tab.json
n_structure_U+2060_word_joined.json
                                                          [<u>E281A0</u>] <=> []
n_structure_angle_bracket_null.json
n_structure_array_trailing_garbage.json
                                                         [1]x
                                                        [1]]
n_structure_array_with_extra_array_close.json
n_structure_capitalized_True.json
                                                        [True]
                                                        [][]
n_structure_double_array.json
```

```
n_structure_object_followed_by_closing_object.json
                                                         {"a": true} "x"
n_structure_object_with_trailing_garbage.json
                                                          {"a":"b"}#{}
n_structure_trailing_#.json
                                                          [<u>E281A0</u>] <=> []
n_structure_whitespace_U+2060_word_joiner.json
n_structure_whitespace_formfeed.json
                                                          [<u>0C</u>] <=> []
                                                          {"a":"b","a":"c"}
y object duplicated key.json
y_object_duplicated_key_and_value.json
                                                          {"a":"b","a":"b"}
y_string_space.json
y structure lonely false.json
                                                         false
                                                         42
y_structure_lonely_int.json
y_structure_lonely_negative_real.json
                                                         -0.1
y_structure_lonely_null.json
                                                         null
y_structure_lonely_string.json
                                                         "asd"
y_structure_lonely_true.json
                                                         true
y_structure_string_empty.json
```

JavaScript

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                         i_number_neg_int_huge_exp.json
                                                         [-1e+9999]
                                                        [1.5e+9999]
i_number_pos_double_huge_exp.json
i_number_real_neg_overflow.json
                                                         [-123123e100000]
                                                         [123123e100000]
i_number_real_pos_overflow.json
                                                         [123e-10000000]
i_number_real_underflow.json
                                                         [-123123123123123123123123123123]
i_number_too_big_neg_int.json
                                                         [100000000000000000000000]
i_number_too_big_pos_int.json
i_number_very_big_negative_int.json
                                                         [-2374623746732768942798327498324234(...)
                                                         {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                        ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                         ["\uD888\u1234"]
i_string_1st_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
                                                        <u>FFFE[00"00E900"00]00</u> <=> [""]
                                                          "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF-8_invalid_sequence.json
i_string_UTF8_surrogate_U+D800.json
                                                          "<u>EDA080</u>"] <=> [""]
i_string_incomplete_surrogate_and_escape_valid.json
                                                         "\uD800\n"]
                                                         ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
                                                         ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
                                                         ["\ud800"]
i_string_invalid_lonely_surrogate.json
i_string_invalid_surrogate.json
                                                         ["\ud800abc"]
                                                         "<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
i\_string\_inverted\_surrogates\_U+1D11E.json
                                                         ["\uDd1e\uD834"]
                                                         "<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
i_string_lone_second_surrogate.json
                                                         ["\uDFAA"]
                                                         "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                         ["<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                          "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                          "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
i_string_overlong_sequence_6_bytes_null.json
                                                         "<u>FC8080808080</u>"] <=> [""]
i_string_truncated-utf-8.json
                                                         "<u>E0FF</u>"] <=> [""]
                                                        <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                        [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_string_utf16LE_no_BOM.json
i structure 500 nested arrays.json
                                                         (\dots)
i_structure_UTF-8_BOM_empty_object.json
                                                        <u>EFBBBF</u>{} <=> {}
```

Json.NET 9.0.1

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                    i_number_neg_int_huge_exp.json
                                                    [-1e+9999]
i_number_pos_double_huge_exp.json
                                                   [1.5e+9999]
i_number_real_neg_overflow.json
                                                    [-123123e100000]
i_number_real_pos_overflow.json
                                                   [123123e100000]
i_number_real_underflow.json
                                                   [123e-10000000]
                                                    -123123123123123123123123123123]
i_number_too_big_neg_int.json
i_number_too_big_pos_int.json
                                                   [10000000000000000000000]
```

```
i_number_very_big_negative_int.json
                                                          -2374623746732768942798327498324234(...)
i_object_key_lone_2nd_surrogate.json
                                                          ["\uDFAA":0}
                                                          ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                          ["\uD888\u1234"]
i_string_1st_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
                                                         <u>FFFE[00"00E900"00]00</u> <=> [""]
i string UTF-8 invalid sequence.json
                                                          "E697A5D188FA"] <=> ["日ш"]
                                                           "<u>EDA080</u>"] <=> [""]
i string UTF8 surrogate U+D800.json
i_string_incomplete_surrogate_and_escape_valid.json
                                                          ["\uD800\n"]
                                                         ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
                                                          ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
                                                          ["\ud800"]
i_string_invalid_lonely_surrogate.json
i string_invalid_surrogate.json
                                                          ["\ud800abc"]
i string invalid utf-8.json
                                                          ["<u>FF</u>"] <=> [""]
i_string_invalid_utf8_after_escape.json
                                                          (MISSING FILE)
                                                          ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                          "<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                          ["\uDFAA"]
i_string_lone_second_surrogate.json
i_string_lone_utf8_continuation_byte.json
                                                          "81"] <=> [""]
                                                           "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                           "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                           "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                           "<u>FC8080808080</u>"] <=> [""]
i string overlong sequence 6 bytes null.json
                                                          "E0FF"] <=> [""]
i_string_truncated-utf-8.json
                                                          <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                          [<u>00</u>"<u>00E900</u>"<u>00]00</u> <=> [""]
i_string_utf16LE_no_BOM.json
                                                          (...)
i_structure_500_nested_arrays.json
i_structure_UTF-8_BOM_empty_object.json
                                                         EFBBBF{} <=> {}
n_array_comma_after_close.json
n_array_comma_and_number.json
                                                          [,1]
                                                         [1,,2]
n_array_double_comma.json
n_array_double_extra_comma.json
                                                         ["x",,]
                                                          ["x"]]
n_array_extra_close.json
                                                          [""]
n_array_extra_comma.json
n_array_incomplete.json
                                                          "x"]
n_array_just_comma.json
                                                         [,]
n_array_missing_value.json
                                                          ["a", 0A40A, 1, <=> ["a", 4, 1,
n_array_newlines_unclosed.json
n_array_number_and_comma.json
                                                         [1.]
                                                         [1,,]
n_array_number_and_several_commas.json
n_array_unclosed.json
n_array_unclosed_trailing_comma.json
n_array_unclosed_with_new_lines.json
                                                         [1, 0A10A, 1 \iff [1, 1, 1]
                                                          [{}]
n_array_unclosed_with_object_inside.json
                                                         123<u>00</u> <=> 123
n_multidigit_number_then_00.json
                                                          [-01]
n_number_-01.json
                                                          [-2.]
n_number_-2..json
                                                          [.2e-3]
n_number_.2e-3.json
n_number_0.el.json
                                                         [0.e1]
n_number_2.e+3.json
                                                         [2.e+3]
n_number_2.e-3.json
                                                         [2.e-3]
                                                         [2.e3]
n_number_2.e3.json
                                                         [NaN]
n_number_NaN.json
n_number_hex_1_digit.json
                                                         [0x1]
n_number_hex_2_digits.json
                                                         [0x42]
n_number_infinity.json
                                                         [Infinity]
n_number_minus_infinity.json
                                                         [-Infinity]
n\_number\_neg\_int\_starting\_with\_zero.json
                                                         [-012]
                                                         [-.123]
n_number_neg_real_without_int_part.json
                                                        [1.]
n_number_real_without_fractional_part.json
                                                         [.123]
n\_number\_starting\_with\_dot.json
n\_number\_with\_leading\_zero.json
                                                         [012]
n_object_key_with_single_quotes.json
                                                         {key: 'value'}
n\_object\_non\_string\_key.json
                                                         {1:1}
n_object_non_string_key_but_huge_number_instead.json {9999E9999:1}
                                                          {"<u>B9</u>":"0",} <=> {"":"0",}
n_object_pi_in_key_and_trailing_comma.json
n\_object\_repeated\_null\_null.json
                                                          {null:null,null:null}
                                                         {'a':0}
n_object_single_quote.json
```

```
n_object_trailing_comma.json
                                                          {"id":0,}
                                                          {"a":"b"}/**/
n_object_trailing_comment.json
                                                          {"a":"b"}/**//
n_object_trailing_comment_open.json
                                                          {"a":"b"}//
n_object_trailing_comment_slash_open.json
n_object_trailing_comment_slash_open_incomplete.json { "a": "b"}/
n object unquoted key.json
                                                          {a: "b"}
n_object_with_trailing_garbage.json
                                                          {"a":"b"}#
n_single_space.json
n_string_single_quote.json
                                                          ['single quote']
n_string_unescaped_crtl_char.json
                                                          ["a<u>00</u>a"] <=> ["aa"]
n_string_unescaped_newline.json
                                                          ["newOAline"] <=> ["new line"]
n_string_unescaped_tab.json
                                                          ["<u>09</u>"] <=> [" "]
n_string_with_trailing_garbage.json
n_structure_UTF8_BOM_no_data.json
                                                          EFBBBF <=>
n_structure_array_trailing_garbage.json
                                                          [1]x
n_structure_array_with_extra_array_close.json
                                                          [1]]
                                                          1]
n_structure_close_unopened_array.json
                                                          [][]
n_structure_double_array.json
                                                         <u>E5</u> <=>
n_structure_lone-invalid-utf-8.json
n_structure_lone-open-bracket.json
n_structure_no_data.json
n_structure_null-byte-outside-string.json
                                                          [\underline{00}] \iff []
n_structure_object_followed_by_closing_object.json
                                                          {}}
n_structure_object_with_comment.json
                                                         {"a":/*comment*/"b"}
                                                        {"a": true} "x"
n\_structure\_object\_with\_trailing\_garbage.json
n_structure_open_array_comma.json
n_structure_open_array_open_object.json
n\_structure\_open\_array\_string.json
                                                          ["a"
n_structure_single_eacute.json
                                                         <u>E9</u> <=>
                                                         {"a":"b"}#{}
n_structure_trailing_#.json
n_structure_unclosed_array.json
                                                        [<u>0C</u>] <=> []
n\_structure\_whitespace\_formfeed.json
```

Lua JSON 20160916.19

```
i\_number\_double\_huge\_neg\_exp.json
                                                         [123.456e-789]
                                                          i_number_huge_exp.json
i\_number\_neg\_int\_huge\_exp.json
                                                          [-1e+9999]
i_number_pos_double_huge_exp.json
                                                         [1.5e+9999]
i_number_real_neg_overflow.json
                                                          [-123123e100000]
i_number_real_pos_overflow.json
                                                         [123123e100000]
i_number_real_underflow.json
                                                          [123e-10000000]
i_number_too_big_neg_int.json
                                                          -1231231231231231231231231231231
                                                          [10000000000000000000000]
i_number_too_big_pos_int.json
i_number_very_big_negative_int.json
                                                          -2374623746732768942798327498324234(...)
                                                          "\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                          "\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                          "\uD888\u1234"]
i_string_lst_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
                                                          FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-8_invalid_sequence.json
                                                          "<u>E697A5D188FA</u>"] <=> ["日ш"]
                                                          "<u>EDA080</u>"] <=> [""]
i_string_UTF8_surrogate_U+D800.json
i_string_incomplete_surrogate_and_escape_valid.json
                                                          "\uD800\n"]
i_string_incomplete_surrogate_pair.json
                                                          ["\uDd1ea"]
                                                          ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
i_string_invalid_lonely_surrogate.json
                                                          ["\ud800"]
i_string_invalid_surrogate.json
                                                          "\ud800abc"]
                                                          "FF"] <=> [""]
i_string_invalid_utf-8.json
                                                          "\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                          "E9"] <=> [""]
i_string_iso_latin_1.json
                                                          "\uDFAA"]
i_string_lone_second_surrogate.json
\verb|i_string_lone_utf8_continuation_byte.json|\\
                                                          "<u>81</u>"] <=> [""]
                                                          "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
i_string_overlong_sequence_2_bytes.json
                                                           "<u>COAF</u>"] <=> [""]
                                                           "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
i_string_overlong_sequence_6_bytes_null.json
                                                           "<u>FC8080808080</u>"] <=> [""]
                                                           "<u>E0FF</u>"] <=> [""]
i_string_truncated-utf-8.json
```

```
i_string_utf16BE_no_BOM.json
                                                         <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16LE_no_BOM.json
                                                          [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
                                                         i_structure_500_nested_arrays.json
i_structure_UTF-8_BOM_empty_object.json
                                                         <u>EFBBBF</u>{} <=> {}
                                                          [""],
n_array_comma_after_close.json
n array extra close.json
                                                          ["x"]]
n_multidigit_number_then_00.json
                                                         123<u>00</u> <=> 123
                                                         {"a":"b"}/**/
n_object_trailing_comment.json
n object trailing comment open.json
                                                         {"a":"b"}/**//
                                                         {"a":"b"}//
n_object_trailing_comment_slash_open.json
n_object_trailing_comment_slash_open_incomplete.json { "a":"b"}/
n_object_with_trailing_garbage.json
                                                         {"a":"b"}#
n_string_1_surrogate_then_escape u1.json
                                                         (MISSING FILE)
n_string_1_surrogate_then_escape ulx.json
                                                         (MISSING FILE)
n\_string\_1\_surrogate\_then\_escape\_u.json
                                                          ["\uD800\u"]
n_string_backslash_00.json
                                                          ["\"] <=> ["00/"]
                                                          ["\x00"]
n_string_escape_x.json
n_string_escaped_ctrl_char_tab.json
                                                          ["\09"] <=> ["\ "]
                                                          ["\<u>F09F8C80</u>"] <=> ["\[]"]
n_string_escaped_emoji.json
n_string_incomplete_escaped_character.json
                                                         ["\u00A"]
n_string_incomplete_surrogate.json
                                                        ["\uD834\uDd"]
n_string_incomplete_surrogate_escape_invalid.json
                                                        ["\uD800\uD800\x"]
n_string_invalid-utf-8-in-escape.json
                                                        ["\u<u>E5</u>"] <=> ["\u"]
n_string_invalid_backslash_esc.json
                                                        ["\a"]
                                                         ["\uqqqq"]
n_string_invalid_unicode_escape.json
                                                          ["\<u>E5</u>"] <=> ["\"]
n_string_invalid_utf8_after_escape.json
                                                          ["a<u>00</u>a"] <=> ["aa"]
n\_string\_unescaped\_crtl\_char.json
n_string_unescaped_newline.json
                                                          ["new<u>OA</u>line"] <=> ["new line"]
n_string_unescaped_tab.json
                                                         ["<u>09</u>"] <=> [" "]
                                                          "\UA66D"
n_string_unicode_CapitalU.json
                                                          '"x
n_string_with_trailing_garbage.json
                                                        [1]x
n_structure_array_trailing_garbage.json
                                                        [1]]
n_structure_array_with_extra_array_close.json
                                                         11
n_structure_close_unopened_array.json
                                                         [][]
n_structure_double_array.json
n_structure_number_with_trailing_garbage.json
                                                         2@
n_structure_object_followed_by_closing_object.json
                                                         {"a": true} "x"
n_structure_object_with_trailing_garbage.json
                                                        ["a":"b"}#{}
n_structure_trailing_#.json
                                                        null
y_structure_lonely_null.json
```

Lua dkjson

```
i_number_double_huge_neg_exp.json
                                                         [123.456e-789]
i_number_huge_exp.json
                                                         [-1e+9999]
i_number_neg_int_huge_exp.json
\verb|i_number_pos_double_huge_exp.json|
                                                        [1.5e+9999]
                                                         [-123123e100000]
i_number_real_neg_overflow.json
                                                         [123123e100000]
i_number_real_pos_overflow.json
i_number_real_underflow.json
                                                         [123e-100000000]
i_number_too_big_neg_int.json
                                                         -1231231231231231231231231231231
i_number_too_big_pos_int.json
                                                         [10000000000000000000000]
                                                         -2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
                                                         "\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                         "\uDADA"1
\verb|i_string_1st_surrogate_but_2nd_missing.json|\\
                                                         "\uD888\u1234"]
i_string_1st_valid_surrogate_2nd_invalid.json
                                                        <u>FFFE[00"00E900"00]00</u> <=> [""]
i_string_UTF-16LE_with_BOM.json
i_string_UTF-8_invalid_sequence.json
                                                         "<u>E697A5D188FA</u>"] <=> ["日ш"]
i string UTF8 surrogate U+D800.json
                                                         "<u>EDA080</u>"] <=> [""]
i_string_incomplete_surrogate_and_escape_valid.json
                                                         ["\uD800\n"]
i_string_incomplete_surrogate_pair.json
                                                         ["\uDd1ea"]
                                                         ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
i_string_invalid_lonely_surrogate.json
                                                         ["\ud800"]
i_string_invalid_surrogate.json
                                                         "\ud800abc"]
                                                         "<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
i_string_inverted_surrogates_U+1D11E.json
                                                         ["\uDd1e\uD834"]
```

```
i_string_iso_latin_1.json
                                                           "<u>E9</u>"] <=> [""]
                                                           "\uDFAA"]
i_string_lone_second_surrogate.json
                                                           "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                            "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                            "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                            "FC<u>83BFBFBFBF</u>"] <=> [""]
i string overlong sequence 6 bytes.json
i_string_overlong_sequence_6_bytes_null.json
                                                            "<u>FC8080808080</u>"] <=> [""]
                                                           "<u>E0FF</u>"] <=> [""]
i_string_truncated-utf-8.json
i string utf16BE no BOM.json
                                                          <u>00[00"00E900"00</u>] <=> [""]
                                                          [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_string_utf16LE_no_BOM.json
i structure 500 nested arrays.json
                                                          i_structure_UTF-8_BOM_empty_object.json
                                                          EFBBBF{} <=> {}
                                                          [1 true]
n_array_1_true_without_comma.json
                                                          ["": 1]
n_array_colon_instead_of_comma.json
                                                          [""],
n_array_comma_after_close.json
                                                         ["x"]]
n_array_extra_close.json
                                                          [,""]
n_array_extra_comma.json
                                                         [3[4]]
n_array_inner_array_no_comma.json
                                                         [1:2]
n_array_items_separated_by_semicolon.json
n\_array\_number\_and\_comma.json
                                                         [1,]
                                                         123<u>00</u> <=> 123
n_multidigit_number_then_00.json
n_number_-01.json
                                                         [-01]
n_number_-2..json
                                                          [-2.]
n_number_.2e-3.json
                                                         [.2e-3]
                                                         [0.e1]
n_number_0.el.json
                                                         [1 000.0]
n_number_1_000.json
                                                         [2.e+3]
n_number_2.e+3.json
                                                         [2.e-3]
n_number_2.e-3.json
n_number_2.e3.json
                                                         [2.e3]
                                                         [-012]
n_number_neg_int_starting_with_zero.json
                                                         [-.123]
n_number_neg_real_without_int_part.json
                                                         [1.]
n_number_real_without_fractional_part.json
                                                         [.123]
n_number_starting_with_dot.json
                                                          [012]
n_number_with_leading_zero.json
                                                          {"x", null}
n_object_comma_instead_of_colon.json
                                                          {"a":"a" 123}
n_object_garbage_at_end.json
n_object_missing_semicolon.json
                                                          {"a" "b"}
                                                          {1:1}
n_object_non_string_key.json
                                                          {9999E9999:1}
n_object_non_string_key_but_huge_number_instead.json
n_object_pi_in_key_and_trailing_comma.json
                                                           {"<u>B9</u>":"0",} <=> {"":"0",}
n_object_trailing_comma.json
                                                           ["id":0,}
n\_object\_trailing\_comment.json
                                                           ["a":"b"}/**/
n\_object\_trailing\_comment\_open.json
                                                           ["a":"b"}/**//
n_object_trailing_comment_slash_open.json
                                                           ["a":"b"}//
n_object_trailing_comment_slash_open_incomplete.json
                                                          {"a":"b"}/
n_object_with_single_string.json
                                                           "foo" : "bar", "a" }
                                                           "a":"b"}#
n_object_with_trailing_garbage.json
                                                           (MISSING FILE)
n_string_1_surrogate_then_escape u1.json
                                                           (MISSING FILE)
n_string_1_surrogate_then_escape ulx.json
                                                           ["\uD800\u"]
n_string_1_surrogate_then_escape_u.json
n_string_backslash_00.json
                                                           "\<u>00</u>"] <=> ["\"]
                                                           "\x00"1
n_string_escape_x.json
                                                           "\<u>09</u>"] <=> ["\ "]
n_string_escaped_ctrl_char_tab.json
                                                           "\<u>F09F8C80</u>"] <=> ["\[]"]
n_string_escaped_emoji.json
                                                           "\u00A"1
n_string_incomplete_escaped_character.json
                                                           ["\uD834\uDd"]
n_string_incomplete_surrogate.json
                                                           ["\uD800\uD800\x"]
n_string_incomplete_surrogate_escape_invalid.json
                                                          ["\u<u>E5</u>"] <=> ["\u"]
n_string_invalid-utf-8-in-escape.json
                                                           ["\a"]
n_string_invalid_backslash_esc.json
n_string_invalid_unicode_escape.json
                                                           ["\uqqqq"]
                                                           "\<u>E5</u>"] <=> ["\"]
n_string_invalid_utf8_after_escape.json
                                                           "a<u>00</u>a"] <=> ["aa"]
n_string_unescaped_crtl_char.json
n_string_unescaped_newline.json
                                                           "new<u>OA</u>line"] <=> ["new line"]
n_string_unescaped_tab.json
                                                           ["<u>09</u>"] <=> [" "]
n string unicode CapitalU.json
                                                           "\UA66D"
n_string_with_trailing_garbage.json
                                                           '"x
                                                         [1]x
n_structure_array_trailing_garbage.json
```

```
n_structure_array_with_extra_array_close.json
                                                        [1]]
                                                        1]
n_structure_close_unopened_array.json
                                                        [][]
n_structure_double_array.json
n_structure_number_with_trailing_garbage.json
                                                        2@
n_structure_object_followed_by_closing_object.json
n structure object with comment.json
                                                        {"a":/*comment*/"b"}
n_structure_object_with_trailing_garbage.json
                                                        {"a": true} "x"
                                                         {"a":"b"}#{}
n_structure_trailing_#.json
n_structure_whitespace_formfeed.json
                                                       [<u>0C</u>] <=> []
```

<u>Nim</u>

OCaml Yojson

Obj-C Apple NSJSONSerialization

```
[123.456e-789]
i_number_double_huge_neg_exp.json
                                                       i_number_huge_exp.json
                                                       [-1e+9999]
i_number_neg_int_huge_exp.json
                                                       [1.5e+9999]
i_number_pos_double_huge_exp.json
i number real neg overflow.json
                                                       [-123123e100000]
i_number_real_pos_overflow.json
                                                       [123123e100000]
                                                       [123e-10000000]
i_number_real_underflow.json
i_number_too_big_neg_int.json
                                                       [-123123123123123123123123123123]
i_number_too_big_pos_int.json
                                                       [10000000000000000000000]
i_number_very_big_negative_int.json
                                                       [-2374623746732768942798327498324234(...)
i_object_key_lone_2nd_surrogate.json
                                                       {"\uDFAA":0}
i_string_1st_surrogate_but_2nd_missing.json
                                                       ["\uDADA"]
i_string_1st_valid_surrogate_2nd_invalid.json
                                                       ["\uD888\u1234"]
i_string_UTF-16LE_with_BOM.json
                                                      FFFE[00"00E900"00]00 <=> [""]
                                                       ["<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF-8_invalid_sequence.json
                                                        "<u>EDA080</u>"] <=> [""]
i string UTF8 surrogate U+D800.json
                                                       ["\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
i_string_incomplete_surrogate_pair.json
                                                       ["\uDdlea"]
i_string_incomplete_surrogates_escape_valid.json
                                                       ["\uD800\uD800\n"]
                                                       ["\ud800"]
i_string_invalid_lonely_surrogate.json
i_string_invalid_surrogate.json
                                                       ["\ud800abc"]
                                                        "<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
i_string_inverted_surrogates_U+1D11E.json
                                                       ["\uDd1e\uD834"]
i_string_iso_latin_1.json
                                                        "<u>E9</u>"] <=> [""]
i_string_lone_second_surrogate.json
                                                        "\uDFAA"]
i_string_lone_utf8_continuation_byte.json
                                                        "81"] <=> [""]
                                                        "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
i_string_overlong_sequence_2_bytes.json
                                                        "<u>COAF</u>"] <=> [""]
                                                        "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
i_string_overlong_sequence_6_bytes_null.json
                                                        "FC8080808080"] <=> [""]
i_string_truncated-utf-8.json
                                                         '<u>E0FF</u>"] <=> [""]
                                                      <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                       [<u>00"00E900"00]00</u> <=> [""]
i_string_utf16LE_no_BOM.json
i_structure_500_nested_arrays.json
                                                       (\dots)
                                                      EFBBBF{} <=> {}
i_structure_UTF-8_BOM_empty_object.json
                                                      ["",]
n_array_extra_comma.json
                                                     [1,]
n_array_number_and_comma.json
                                                    {"id":0,}
n_object_trailing_comma.json
```

Obj-C JSONKit

```
i_number_too_big_neg_int.json
                                                         -123123123123123123123123123123]
                                                         i_number_too_big_pos_int.json
                                                        [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
                                                        {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                        ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
i string 1st valid surrogate 2nd invalid.json
                                                        ["\uD888\u1234"]
i_string_UTF-16LE_with_BOM.json
                                                        FFFE[00"00E900"00]00 <=> [""]
i string UTF-8 invalid sequence.json
                                                        ["E697A5D188FA"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                         "EDA080"] <=> [""]
                                                        ["\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
                                                        ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
i_string_incomplete_surrogates_escape_valid.json
                                                        ["\uD800\uD800\n"]
                                                        ["\ud800"]
i_string_invalid_lonely_surrogate.json
                                                        ["\ud800abc"]
i_string_invalid_surrogate.json
                                                        ["<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
                                                        ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                        ["<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                        ["\uDFAA"]
i_string_lone_second_surrogate.json
                                                         ["<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
i_string_not_in_unicode_range.json
                                                        ["<u>F4BFBFBF</u>"] <=> [""]
                                                         "COAF"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                         "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                         "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                         "E0FF"] <=> [""]
i_string_truncated-utf-8.json
                                                        00[00"00E900"00] <=> [""]
i_string_utf16BE_no_BOM.json
                                                        [\underline{00}"\underline{00E900}"\underline{00}]\underline{00} <=> [""]
i_string_utf16LE_no_BOM.json
i_structure_500_nested_arrays.json
                                                        (\dots)
i_structure_UTF-8_BOM_empty_object.json
                                                       EFBBBF{} <=> {}
                                                        (\dots)
n\_structure\_100000\_opening\_arrays.json
n_structure_no_data.json
                                                        [{"":[{"":[{"":[{"":[{"":[{"":[{...)
n\_structure\_open\_array\_object.json
                                                        {"foo\u0000bar": 42}
y_object_escaped_null_in_key.json
                                                        ["\uFFFF"]
y_string_escaped_noncharacter.json
y_string_last_surrogates_1_and_2.json
                                                        ["\uDBFF\uDFFF"]
y_string_nonCharacterInUTF-8_U+10FFFF.json
                                                         "<u>F48FBFBF</u>"] <=> ["[]"]
y_string_nonCharacterInUTF-8_U+FFFF.json
                                                         "<u>EFBFBF</u>"] <=> ["[]"]
                                                        ["\u0000"]
y_string_null_escape.json
y_string_space.json
y_string_unicode_U+10FFFE_nonchar.json
                                                        ["\uDBFF\uDFFE"]
y_string_unicode_U+1FFFE_nonchar.json
                                                        ["\uD83F\uDFFE"]
                                                        ["\uFDD0"]
y_string_unicode_U+FDD0_nonchar.json
{\tt y\_string\_unicode\_U+FFFE\_nonchar.json}
                                                        ["\uFFFE"]
                                                        false
y_structure_lonely_false.json
                                                        42
y_structure_lonely_int.json
                                                        -0.1
y_structure_lonely_negative_real.json
y_structure_lonely_null.json
                                                        null
                                                        "asd'
y_structure_lonely_string.json
y_structure_lonely_true.json
                                                        true
y_structure_string_empty.json
```

Obj-C SBJSON 4.0.3

```
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
i_number_neg_int_huge_exp.json
i_number_pos_double_huge_exp.json
i_number_real_neg_overflow.json
i_number_real_pos_overflow.json
i_number_real_underflow.json
i_number_too_big_neg_int.json
i_number_too_big_neg_int.json
i_number_very_big_negative_int.json
i_object_key_lone_2nd_surrogate.json
i_string_lst_surrogate_but_2nd_missing.json
i_string_ltf_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
```

```
i string UTF-8 invalid sequence.json
                                                          ["<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                           "EDA080"] <=> [""]
i_string_incomplete_surrogate_and_escape_valid.json
                                                           "\uD800\n"]
i_string_incomplete_surrogate_pair.json
                                                          ["\uDd1ea"]
i_string_incomplete_surrogates_escape_valid.json
                                                          ["\uD800\uD800\n"]
i_string_invalid_lonely_surrogate.json
                                                           "\ud800"]
i_string_invalid_surrogate.json
                                                          ["\ud800abc"]
i_string_invalid_utf-8.json
                                                          ["FF"] <=> [""]
                                                          ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                          ["E9"] <=> [""]
i_string_iso_latin_1.json
                                                          "\uDFAA"]
i_string_lone_second_surrogate.json
i_string_lone_utf8_continuation_byte.json
                                                          ["81"] <=> [""]
                                                           "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                           "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                           "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                           "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                          ["<u>E0FF</u>"] <=> [""]
i_string_truncated-utf-8.json
i_string_utf16BE_no_BOM.json
                                                          00[00"00E900"00] <=> [""]
                                                          [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_string_utf16LE_no_BOM.json
                                                          (\dots)
i_structure_500_nested_arrays.json
                                                         <u>EFBBBF</u>{} <=> {}
i_structure_UTF-8_BOM_empty_object.json
                                                          [""],
n array comma after close.json
                                                          ["x"]]
n_array_extra_close.json
n_number_neg_real_without_int_part.json
                                                          [-.123]
n\_object\_pi\_in\_key\_and\_trailing\_comma.json
                                                          {"<u>B9</u>":"0",} <=> {"":"0",}
                                                          {"a":"b"}/**/
n_object_trailing_comment.json
n\_object\_trailing\_comment\_open.json
                                                          {"a":"b"}/**//
                                                          {"a":"b"}//
n_object_trailing_comment_slash_open.json
n_object_trailing_comment_slash_open_incomplete.json
                                                          {"a":"b"}/
                                                          {"a":"b"}#
n_object_with_trailing_garbage.json
n\_structure\_array\_trailing\_garbage.json
                                                          [1]x
                                                          [111
n_structure_array_with_extra_array_close.json
                                                          [][]
n_structure_double_array.json
n_structure_object_followed_by_closing_object.json
                                                          {}}
n_structure_object_with_trailing_garbage.json
                                                          {"a": true} "x"
                                                          {"a":"b"}#{}
n_structure_trailing_#.json
y_string_space.json
y_structure_lonely_false.json
                                                          false
y_structure_lonely_int.json
                                                          42
                                                          -0.1
y_structure_lonely_negative_real.json
                                                          null
y_structure_lonely_null.json
y_structure_lonely_string.json
                                                          "asd"
                                                          true
y_structure_lonely_true.json
y_structure_string_empty.json
```

Obj-C SBJSON 4.0.4

```
[123.456e-789]
i_number_double_huge_neg_exp.json
                                                       i_number_huge_exp.json
                                                       [-1e+9999]
i_number_neg_int_huge_exp.json
                                                       [1.5e+9999]
i_number_pos_double_huge_exp.json
i_number_real_neg_overflow.json
                                                       [-123123e100000]
                                                       [123123e100000]
i_number_real_pos_overflow.json
                                                       [123e-10000000]
i_number_real_underflow.json
                                                        -1231231231231231231231231231231
i_number_too_big_neg_int.json
i_number_too_big_pos_int.json
                                                        [10000000000000000000000]
i_number_very_big_negative_int.json
                                                        [-2374623746732768942798327498324234(...)
i_object_key_lone_2nd_surrogate.json
                                                        ["\uDFAA":0}
i_string_1st_surrogate_but_2nd_missing.json
                                                        ["\uDADA"]
                                                        ["\uD888\u1234"]
i_string_1st_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
                                                       FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-8_invalid_sequence.json
                                                        "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                        "<u>EDA080</u>"] <=> [""]
                                                        "\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
i_string_incomplete_surrogate_pair.json
                                                        "\uDdlea"]
i_string_incomplete_surrogates_escape_valid.json
                                                      ["\uD800\uD800\n"]
```

```
i_string_invalid_lonely_surrogate.json
                                                          "\ud800"]
i_string_invalid_surrogate.json
                                                          "\ud800abc"]
                                                         "<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
                                                         "\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                         "<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
i string lone second surrogate.json
                                                         "\uDFAA"]
i_string_lone_utf8_continuation_byte.json
                                                         "81"] <=> [""]
                                                          "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                         "COAF"1 <=> [""1
i string overlong sequence 2 bytes.json
                                                         "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
i_string_overlong_sequence_6_bytes_null.json
                                                         "FC8080808080"] <=> [""]
i string truncated-utf-8.json
                                                         "<u>E0FF</u>"] <=> [""]
                                                        <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
i_string_utf16LE_no_BOM.json
                                                        [00"00E900"00]00 <=> [""]
i structure 500 nested arrays.json
                                                        i\_structure\_UTF-8\_BOM\_empty\_object.json
                                                       EFBBBF{} <=> {}
                                                        [""],
n_array_comma_after_close.json
                                                        ["x"]]
n_array_extra_close.json
                                                        [-.123]
n_number_neg_real_without_int_part.json
n_object_trailing_comment.json
                                                        {"a":"b"}/**/
                                                        {"a":"b"}/**//
n_object_trailing_comment_open.json
n_object_trailing_comment_slash_open.json
                                                        {"a":"b"}//
n_object_trailing_comment_slash_open_incomplete.json {"a":"b"}/
                                                       {"a":"b"}#
n_object_with_trailing_garbage.json
                                                       [1]x
n_structure_array_trailing_garbage.json
                                                       [1]]
n_structure_array_with_extra_array_close.json
                                                       [][]
n_structure_double_array.json
n_structure_object_followed_by_closing_object.json
                                                        {}}
n_structure_object_with_trailing_garbage.json
                                                        {"a": true} "x"
n_structure_trailing_#.json
                                                       {"a":"b"}#{}
y_string_space.json
                                                        false
y_structure_lonely_false.json
                                                        42
y_structure_lonely_int.json
                                                        -0.1
y_structure_lonely_negative_real.json
                                                        null
y_structure_lonely_null.json
y_structure_lonely_string.json
                                                        "asd"
y_structure_lonely_true.json
                                                        true
{\tt y\_structure\_string\_empty.json}
```

Obj-C SBJson 5.0.0

Obj-C TouchJSON

```
i\_number\_double\_huge\_neg\_exp.json
                                                         [123.456e-789]
{\tt i\_number\_huge\_exp.json}
                                                         [-1e+9999]
i_number_neg_int_huge_exp.json
                                                         [1.5e+9999]
i_number_pos_double_huge_exp.json
i\_number\_real\_neg\_overflow.json
                                                         [-123123e100000]
                                                         [123123e100000]
i_number_real_pos_overflow.json
i_number_real_underflow.json
                                                         [123e-10000000]
i_number_too_big_neg_int.json
                                                         [-123123123123123123123123123123]
                                                         [10000000000000000000000]
i_number_too_big_pos_int.json
i_number_very_big_negative_int.json
                                                         [-2374623746732768942798327498324234(...)
                                                         ["\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
i\_string\_1st\_surrogate\_but\_2nd\_missing.json
                                                         ["\uDADA"]
i_string_1st_valid_surrogate_2nd_invalid.json
                                                         ["\uD888\u1234"]
i_string_UTF-16LE_with_BOM.json
                                                         <u>FFFE[00"00E900"00]00</u> <=> [""]
i_string_UTF-8_invalid_sequence.json
                                                         ["<u>E697A5D188FA</u>"] <=> ["日ш"]
                                                         "<u>EDA080</u>"] <=> [""]
i_string_UTF8_surrogate_U+D800.json
i_string_incomplete_surrogate_and_escape_valid.json
                                                         ["\uD800\n"]
\verb|i_string_incomplete_surrogate_pair.json|
                                                         ["\uDdlea"]
                                                         ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
i\_string\_invalid\_lonely\_surrogate.json
                                                         ["\ud800"]
i_string_invalid_surrogate.json
                                                         ["\ud800abc"]
                                                         ["<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
```

```
i_string_inverted_surrogates_U+1D11E.json
                                                       '\uDd1e\uD834"]
                                                       "<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                      "\uDFAA"]
i_string_lone_second_surrogate.json
                                                      "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                      "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                      "<u>COAF</u>"] <=> [""]
i string overlong sequence 2 bytes.json
                                                       "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                      "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
i string truncated-utf-8.json
                                                      ["<u>E0FF</u>"] <=> [""]
                                                    00[00"00E900"00] <=> [""]
i_string_utf16BE_no_BOM.json
i string utf16LE no BOM.json
                                                     [00"00E900"00]00 <=> [""]
                                                     i structure 500 nested arrays.json
i_structure_UTF-8_BOM_empty_object.json
                                                     <u>EFBBBF</u>{} <=> {}
                                                   ["",]
n_array_extra_comma.json
n_array_number_and_comma.json
                                                  [1,]
n_number_-01.json
                                                   [-01]
                                                   [-2.]
n_number_-2..json
                                                   [0.3e+1
n_number_0.3e+.json
                                                   [0.3e]
n_number_0.3e.json
n_number_0.el.json
                                                     [0.e1]
                                                     [0E+1
n_number_0_capital_E+.json
n_number_0_capital_E.json
                                                     [0E]
                                                     [0e+]
n_number_0e+.json
n_number_0e.json
                                                     [0e]
n_number_1.0e+.json
                                                     [1.0e+]
                                                   [1.0e-]
n_number_1.0e-.json
                                                  [1.0e]
n_number_1.0e.json
                                                  [2.e+3]
n_number_2.e+3.json
                                                  [2.e-3]
n_number_2.e-3.json
                                                  [2.e3]
n_number_2.e3.json
                                                  [9.e+]
n_number_9.e+.json
                                                    [-012]
n_number_neg_int_starting_with_zero.json
                                                  [-.123]
n_number_neg_real_without_int_part.json
                                                  [1.]
n number real without fractional part.json
                                                     [012]
n_number_with_leading_zero.json
                                                     {"id":0,}
n_object_trailing_comma.json
n_string_unescaped_crtl_char.json
                                                      ["a<u>00</u>a"] <=> ["aa"]
                                                      ["new<u>0A</u>line"] <=> ["new line"]
n_string_unescaped_newline.json
                                                      "<u>09</u>"] <=> [" "]
n_string_unescaped_tab.json
                                                      (\dots)
n_structure_100000_opening_arrays.json
                                                     n_structure_open_array_object.json
                                                  [<u>0C</u>] <=> []
n_structure_whitespace_formfeed.json
```

PHP 5.5.36

```
i_number_double_huge_neg_exp.json
                                                      [123.456e-789]
i_number_huge_exp.json
                                                      [-1e+9999]
i_number_neg_int_huge_exp.json
                                                      [1.5e+9999]
i_number_pos_double_huge_exp.json
i_number_real_neg_overflow.json
                                                      [-123123e100000]
i_number_real_pos_overflow.json
                                                      [123123e100000]
i\_number\_real\_underflow.json
                                                      [123e-10000000]
                                                      [-123123123123123123123123123123]
i_number_too_big_neg_int.json
                                                       1000000000000000000000000000
i_number_too_big_pos_int.json
                                                      [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
                                                      {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                      ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                      ["\uD888\u1234"]
i_string_lst_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
                                                      FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-8_invalid_sequence.json
                                                       "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                       "EDA080"] <=> [""]
i_string_incomplete_surrogate_and_escape_valid.json
                                                      ["\uD800\n"]
                                                      ["\uDdlea"]
i_string_incomplete_surrogate_pair.json
i_string_incomplete_surrogates_escape_valid.json
                                                      ["\uD800\uD800\n"]
                                                      ["\ud800"]
i_string_invalid_lonely_surrogate.json
i_string_invalid_surrogate.json
                                                      ["\ud800abc"]
```

```
i_string_invalid_utf-8.json
                                                         "FF"] <=> [""]
                                                         \uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                        "<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                        ["\uDFAA"]
i_string_lone_second_surrogate.json
i_string_lone_utf8_continuation_byte.json
                                                        "<u>81</u>"] <=> [""]
                                                         "<u>F4BFBFBF</u>"] <=> [""]
i string not in unicode range.json
i_string_overlong_sequence_2_bytes.json
                                                         "COAF"] <=> [""]
                                                         "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                         "<u>FC8080808080</u>"] <=> [""]
i string overlong sequence 6 bytes null.json
i_string_truncated-utf-8.json
                                                        ["E0FF"] <=> [""]
i string utf16BE no BOM.json
                                                       00[00"00E900"00] <=> [""]
                                                        [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i string utf16LE no BOM.json
                                                       i_structure_500_nested_arrays.json
i_structure_UTF-8_BOM_empty_object.json
                                                       EFBBBF{} <=> {}
n number -2..json
                                                      [-2.]
n_number_0.el.json
                                                     [0.e1]
                                                     [2.e+3]
n_number_2.e+3.json
                                                     [2.e-31
n_number_2.e-3.json
                                                     [2.e3]
n_number_2.e3.json
n_number_real_without_fractional_part.json
                                                     [1.]
n_structure_no_data.json
```

Perl Cpanel::JSON::XS

Perl JSON

```
[123.456e-789]
i_number_double_huge_neg_exp.json
                                                         i_number_huge_exp.json
\verb|i_number_neg_int_huge_exp.json|
                                                         [-1e+9999]
i_number_pos_double_huge_exp.json
                                                        [1.5e+9999]
i\_number\_real\_neg\_overflow.json
                                                         [-123123e100000]
                                                         [123123e100000]
i_number_real_pos_overflow.json
                                                         [123e-10000000]
i_number_real_underflow.json
                                                         [-123123123123123123123123123123]
i_number_too_big_neg_int.json
i_number_too_big_pos_int.json
                                                         [100000000000000000000000]
i_number_very_big_negative_int.json
                                                         [-2374623746732768942798327498324234(...)
                                                         {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                         ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
i_string_1st_valid_surrogate_2nd_invalid.json
                                                         ["\uD888\u1234"]
i_string_UTF-16LE_with_BOM.json
                                                        <u>FFFE[00"00E900"00]00</u> <=> [""]
i_string_UTF-8_invalid_sequence.json
                                                         "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                          "<u>EDA080</u>"] <=> [""]
                                                          "\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
i_string_incomplete_surrogate_pair.json
                                                         ["\uDdlea"]
                                                         "\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
                                                         ["\ud800"]
i_string_invalid_lonely_surrogate.json
                                                         ["\ud800abc"]
i_string_invalid_surrogate.json
i_string_invalid_utf-8.json
                                                         ["<u>FF</u>"] <=> [""]
i_string_inverted_surrogates_U+1D11E.json
                                                         "\uDd1e\uD834"]
                                                         "<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
i_string_lone_second_surrogate.json
                                                          "\uDFAA"]
                                                         "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                         "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                          "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                          "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
i_string_overlong_sequence_6_bytes_null.json
                                                         "<u>FC8080808080</u>"] <=> [""]
i string truncated-utf-8.json
                                                         "<u>E0FF</u>"] <=> [""]
                                                        <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                         [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_string_utf16LE_no_BOM.json
i structure 500 nested arrays.json
                                                        i_structure_UTF-8_BOM_empty_object.json
                                                        EFBBBF{} <=> {}
                                                       123<u>00</u> <=> 123
n_multidigit_number_then_00.json
```

Perl JSON::PP

```
i\_number\_double\_huge\_neg\_exp.json
                                                       [123.456e-789]
                                                       i_number_huge_exp.json
                                                       [-1e+99991
i_number_neg_int_huge_exp.json
i_number_pos_double_huge_exp.json
                                                       [1.5e+9999]
i_number_real_neg_overflow.json
                                                       [-123123e100000]
                                                       [123123e1000001
i_number_real_pos_overflow.json
i_number_real_underflow.json
                                                       [123e-10000000]
                                                       [-123123123123123123123123123123]
i_number_too_big_neg_int.json
                                                       i_number_too_big_pos_int.json
                                                       [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
i_object_key_lone_2nd_surrogate.json
                                                       {"\uDFAA":0}
                                                       ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
i_string_1st_valid_surrogate_2nd_invalid.json
                                                       ["\uD888\u1234"]
                                                       FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-16LE_with_BOM.json
i_string_UTF-8_invalid_sequence.json
                                                        "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                        "<u>EDA080</u>"] <=> [""]
i_string_incomplete_surrogate_and_escape_valid.json
                                                        "\uD800\n"]
i_string_incomplete_surrogate_pair.json
                                                       ["\uDd1ea"]
                                                        "\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
                                                        "\ud800"]
i_string_invalid_lonely_surrogate.json
i_string_invalid_surrogate.json
                                                        "\ud800abc"]
                                                        "<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
i\_string\_inverted\_surrogates\_U+1D11E.json
                                                        ["\uDd1e\uD834"]
i_string_iso_latin_1.json
                                                        "<u>E9</u>"] <=> [""]
i_string_lone_second_surrogate.json
                                                        "\uDFAA"]
                                                        "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                        "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                        "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
i_string_overlong_sequence_6_bytes.json
                                                        "<u>FC83BFBFBFBF</u>"] <=> [""]
                                                        "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
i string truncated-utf-8.json
                                                        "<u>E0FF</u>"] <=> [""]
i string utf16BE no BOM.json
                                                       00[00"00E900"00] <=> [""]
                                                       [<u>00"00E900"00]00</u> <=> [""]
i_string_utf16LE_no_BOM.json
i_structure_500_nested_arrays.json
                                                       i\_structure\_UTF\text{-}8\_BOM\_empty\_object.json
                                                       EFBBBF{} <=> {}
n\_multidigit\_number\_then\_00.json
                                                       12300 <=> 123
                                                     [-01]
n_number_-01.json
n_number_neg_int_starting_with_zero.json
                                                     [-012]
n_object_trailing_comment.json
                                                    {"a":"b"}/**/
n_object_trailing_comment_slash_open.json
                                                    {"a":"b"}//
n_structure_null-byte-outside-string.json
                                                       [\underline{00}] \iff []
                                                       {"a":/*comment*/"b"}
n_structure_object_with_comment.json
n_structure_whitespace_formfeed.json
                                                    [<u>0C</u>] <=> []
```

Perl JSON::XS

```
[123.456e-789]
i_number_double_huge_neg_exp.json
                                                       i_number_huge_exp.json
                                                      [-1e+9999]
i_number_neg_int_huge_exp.json
                                                      [1.5e+9999]
i_number_pos_double_huge_exp.json
                                                       [-123123e100000]
i_number_real_neg_overflow.json
i_number_real_pos_overflow.json
                                                      [123123e100000]
                                                       [123e-10000000]
i_number_real_underflow.json
                                                       [-123123123123123123123123123123]
i_number_too_big_neg_int.json
                                                       [100000000000000000000000]
i_number_too_big_pos_int.json
i_number_very_big_negative_int.json
                                                       [-2374623746732768942798327498324234(...)
i_object_key_lone_2nd_surrogate.json
                                                       {"\uDFAA":0}
i_string_1st_surrogate_but_2nd_missing.json
                                                      ["\uDADA"]
                                                      ["\uD888\u1234"]
i_string_1st_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
                                                      <u>FFFE[00"00E900"00]00</u> <=> [""]
i_string_UTF-8_invalid_sequence.json
                                                       "<u>E697A5D188FA</u>"] <=> ["日ш"]
                                                       "<u>EDA080</u>"] <=> [""]
i_string_UTF8_surrogate_U+D800.json
i_string_incomplete_surrogate_and_escape_valid.json
                                                      ["\uD800\n"]
                                                      ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
i_string_incomplete_surrogates_escape_valid.json
                                                       ["\uD800\uD800\n"]
```

```
i string invalid lonely surrogate.json
                                                         '\ud800"]
                                                         '\ud800abc"]
i_string_invalid_surrogate.json
                                                        "<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
                                                        ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                        ["<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                        ["\uDFAA"]
i string lone second surrogate.json
i_string_lone_utf8_continuation_byte.json
                                                        "81"] <=> [""]
                                                        "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                         "COAF"] <=> [""]
i string overlong sequence 2 bytes.json
                                                         "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
i_string_overlong_sequence_6_bytes_null.json
                                                        ["FC8080808080"] <=> [""]
i string truncated-utf-8.json
                                                        ["<u>E0FF</u>"] <=> [""]
                                                       <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
i_string_utf16LE_no_BOM.json
                                                       [00"00E900"00]00 <=> [""]
i structure 500 nested arrays.json
                                                       i\_structure\_UTF-8\_BOM\_empty\_object.json
                                                       EFBBBF{} <=> {}
                                                     123<u>00</u> <=> 123
n_multidigit_number_then_00.json
```

Python 2.7.10

```
i_number_double_huge_neg_exp.json
                                                        [123.456e-789]
i_number_huge_exp.json
                                                         i_number_neg_int_huge_exp.json
                                                        [-1e+9999]
i\_number\_pos\_double\_huge\_exp.json
                                                      [1.5e+9999]
                                                      [-123123e100000]
i_number_real_neg_overflow.json
i_number_real_pos_overflow.json
                                                        [123123e100000]
                                                        [123e-100000001
i_number_real_underflow.json
i_number_too_big_neg_int.json
                                                         [-123123123123123123123123123123]
i_number_too_big_pos_int.json
                                                         [100000000000000000000000]
i_number_very_big_negative_int.json
                                                         [-2374623746732768942798327498324234(...)
                                                         {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                        ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                        ["\uD888\u1234"]
i_string_1st_valid_surrogate_2nd_invalid.json
                                                        FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-16LE_with_BOM.json
i_string_UTF-8_invalid_sequence.json
                                                         "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                         "EDA080"] <=> [""]
i_string_incomplete_surrogate_and_escape_valid.json
                                                         ["\uD800\n"]
i_string_incomplete_surrogate_pair.json
                                                         ["\uDdlea"]
                                                         ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
\verb"i_string_invalid_lonely_surrogate.json"
                                                         ["\ud800"]
                                                         "\ud800abc"]
i_string_invalid_surrogate.json
i_string_invalid_utf-8.json
                                                         "FF"] <=> [""]
i_string_inverted_surrogates_U+1D11E.json
                                                         "\uDd1e\uD834"]
i_string_iso_latin_1.json
                                                         "<u>E9</u>"] <=> [""]
                                                         "\uDFAA"]
i_string_lone_second_surrogate.json
                                                         "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                         "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                          "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                          "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
i_string_overlong_sequence_6_bytes_null.json
                                                         "<u>FC8080808080</u>"] <=> [""]
                                                         "E0FF"] <=> [""]
i_string_truncated-utf-8.json
                                                        <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                        [\underline{00}"\underline{00E900}"\underline{00}]\underline{00} \iff [""]
i_string_utf16LE_no_BOM.json
                                                        (\dots)
i_structure_500_nested_arrays.json
                                                        <u>EFBBBF</u>{} <=> {}
i_structure_UTF-8_BOM_empty_object.json
n_number_NaN.json
                                                         [NaN]
n_number_infinity.json
                                                        [Infinity]
n_number_minus_infinity.json
                                                     [-Infinity]
```

Python 3.5.2

```
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
i_number_neg_int_huge_exp.json
i_number_pos_double_huge_exp.json
i_number_pos_double_huge_exp.json
i_number_pos_double_huge_exp.json
[1.5e+9999]
[1.5e+9999]
```

```
-123123e100000]
i number real neg overflow.json
                                                         [123123e100000]
i_number_real_pos_overflow.json
                                                        [123e-100000001
i_number_real_underflow.json
                                                        [-123123123123123123123123123]
i_number_too_big_neg_int.json
                                                        [100000000000000000000000]
i_number_too_big_pos_int.json
                                                        [-2374623746732768942798327498324234(...)
i number very big negative int.json
i_object_key_lone_2nd_surrogate.json
                                                        {"\uDFAA":0}
                                                        ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
i string 1st valid surrogate 2nd invalid.json
                                                        ["\uD888\u1234"]
i_string_UTF-16LE_with_BOM.json
                                                        <u>FFFE[00"00E900"00]00</u> <=> [""]
                                                        ["<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF-8_invalid_sequence.json
i_string_UTF8_surrogate_U+D800.json
                                                        ["<u>EDA080</u>"] <=> [""]
i_string_incomplete_surrogate_and_escape_valid.json
                                                        ["\uD800\n"]
                                                       ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
                                                        ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
i_string_invalid_lonely_surrogate.json
                                                        ["\ud800"]
                                                        ["\ud800abc"]
i_string_invalid_surrogate.json
                                                        ["FF"] <=> [""]
i_string_invalid_utf-8.json
                                                        ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
i_string_iso_latin_1.json
                                                         ["<u>E9</u>"] <=> [""]
                                                        ["\uDFAA"]
i_string_lone_second_surrogate.json
                                                         "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                         "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                         "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
i_string_overlong_sequence_6_bytes.json
                                                         "<u>FC83BFBFBFBF</u>"] <=> [""]
                                                         "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
i_string_truncated-utf-8.json
                                                         "E0FF"] <=> [""]
i_string_utf16BE_no_BOM.json
                                                        <u>00[00"00E900"00</u>] <=> [""]
                                                        [<u>00"00E900"00]00</u> <=> [""]
i_string_utf16LE_no_BOM.json
i_structure_500_nested_arrays.json
                                                        (\dots)
i_structure_UTF-8_BOM_empty_object.json
                                                        EFBBBF{} <=> {}
n_number_NaN.json
                                                        [NaN]
                                                        [Infinity]
n_number_infinity.json
                                                     [-Infinity]
n_number_minus_infinity.json
```

Python cjson 1.10

Python simplejson 3.10

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                       i_number_neg_int_huge_exp.json
                                                       [-1e+9999]
i_number_pos_double_huge_exp.json
                                                       [1.5e+9999]
                                                       [-123123e100000]
i_number_real_neg_overflow.json
                                                       [123123e100000]
i_number_real_pos_overflow.json
                                                       [123e-100000001
i_number_real_underflow.json
                                                       [-123123123123123123123123123123]
i_number_too_big_neg_int.json
                                                        [10000000000000000000000]
i_number_too_big_pos_int.json
i_number_very_big_negative_int.json
                                                       [-2374623746732768942798327498324234(...)
i_object_key_lone_2nd_surrogate.json
                                                       {"\uDFAA":0}
                                                       ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
i_string_lst_valid_surrogate_2nd_invalid.json
                                                       ["\uD888\u1234"]
                                                       FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-16LE_with_BOM.json
                                                       ["<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF-8_invalid_sequence.json
i_string_UTF8_surrogate_U+D800.json
                                                        "<u>EDA080</u>"] <=> [""]
i_string_incomplete_surrogate_and_escape_valid.json
                                                       ["\uD800\n"]
i_string_incomplete_surrogate_pair.json
                                                       ["\uDd1ea"]
                                                       ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
\verb"i_string_invalid_lonely_surrogate.json"
                                                       ["\ud800"]
                                                       ["\ud800abc"]
i_string_invalid_surrogate.json
                                                        "FF"] <=> [""]
i_string_invalid_utf-8.json
                                                       ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
i_string_iso_latin_1.json
                                                       ["<u>E9</u>"] <=> [""]
                                                       ["\uDFAA"]
i_string_lone_second_surrogate.json
i_string_lone_utf8_continuation_byte.json
                                                       ["<u>81</u>"] <=> [""]
```

```
i_string_not_in_unicode_range.json
                                                           '<u>F4BFBFBF</u>"] <=> [""]
                                                           '<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                           '<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                           "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                          "<u>E0FF</u>"] <=> [""]
i_string_truncated-utf-8.json
                                                         00[00"00E900"00] <=> [""]
i string utf16BE no BOM.json
i_string_utf16LE_no_BOM.json
                                                         [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
                                                         (\dots)
i_structure_500_nested_arrays.json
i_structure_UTF-8_BOM_empty_object.json
                                                         EFBBBF{} <=> {}
                                                         [NaN]
n_number_NaN.json
n_number_infinity.json
                                                       [Infinity]
n_number_minus_infinity.json
                                                      [-Infinity]
```

```
Python ujson 1.35
                                                        [123.456e-789]
i_number_double_huge_neg_exp.json
                                                        i_number_huge_exp.json
\verb"i_number_neg_int_huge_exp.json"
                                                        [-1e+9999]
i_number_pos_double_huge_exp.json
                                                      [1.5e+9999]
                                                        [-123123e100000]
i_number_real_neg_overflow.json
i_number_real_pos_overflow.json
                                                        [123123e100000]
i_number_real_underflow.json
                                                        [123e-10000000]
                                                        [-123123123123123123123123123123]
i_number_too_big_neg_int.json
                                                        [100000000000000000000000]
i_number_too_big_pos_int.json
                                                        [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
                                                        {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
i_string_1st_surrogate_but_2nd_missing.json
                                                        ["\uDADA"]
i\_string\_1st\_valid\_surrogate\_2nd\_invalid.json
                                                        ["\uD888\u1234"]
                                                        FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-16LE_with_BOM.json
                                                         "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF-8_invalid_sequence.json
i_string_UTF8_surrogate_U+D800.json
                                                         "<u>EDA080</u>"] <=> [""]
                                                        ["\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
i_string_incomplete_surrogate_pair.json
                                                        ["\uDdlea"]
                                                         "\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
i_string_invalid_lonely_surrogate.json
                                                         ["\ud800"]
                                                         "\ud800abc"]
i_string_invalid_surrogate.json
i_string_invalid_utf-8.json
                                                         "FF"] <=> [""]
                                                         "\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
i_string_iso_latin_1.json
                                                         "<u>E9</u>"] <=> [""]
                                                         "\uDFAA"]
i_string_lone_second_surrogate.json
i_string_lone_utf8_continuation_byte.json
                                                         "<u>81</u>"] <=> [""]
                                                         "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
i_string_overlong_sequence_2_bytes.json
                                                         "<u>COAF</u>"] <=> [""]
                                                          "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                         "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                         "<u>E0FF</u>"] <=> [""]
i_string_truncated-utf-8.json
                                                        <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
i_string_utf16LE_no_BOM.json
                                                        [\underline{00}"\underline{00E900}"\underline{00}]\underline{00} \iff [""]
                                                        (\dots)
i_structure_500_nested_arrays.json
                                                        EFBBBF{} <=> {}
i_structure_UTF-8_BOM_empty_object.json
                                                      [-]
n_array_just_minus.json
n number -01.json
                                                       [-01]
                                                        [-2.]
n_number_-2..json
n_number_0.3e+.json
                                                       [0.3e+]
n_number_0.3e.json
                                                        [0.3e]
n_number_0.el.json
                                                        [0.e1]
                                                        [0E+]
n_number_0_capital_E+.json
n number 0 capital E.json
                                                        [0E]
                                                        [0e+]
n_number_0e+.json
                                                        [0e]
n_number_0e.json
                                                     [1.0e+]
n_number_1.0e+.json
                                                     [1.0e-]
n_number_1.0e-.json
n_number_1.0e.json
                                                     [1.0e]
n_number_2.e+3.json
                                                     [2.e+3]
                                                     [2.e-3]
n_number_2.e-3.json
                                                     [2.e3]
n_number_2.e3.json
```

```
[9.e+]
n_number_9.e+.json
                                                    [-012]
n_number_neg_int_starting_with_zero.json
                                                    [-.123]
n_number_neg_real_without_int_part.json
                                                    [1.]
n_number_real_without_fractional_part.json
                                                       [012]
n_number_with_leading_zero.json
                                                     {"<u>B9</u>":"0",} <=> {"":"0",}
n object pi in key and trailing comma.json
n_object_trailing_comma.json
                                                     {"id":0,}
                                                     ["new<u>0A</u>line"] <=> ["new line"]
n_string_unescaped_newline.json
n_string_unescaped_tab.json
                                                    ["<u>09</u>"] <=> [" "]
```

Qt JSON

R isonlite

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                        i_number_neg_int_huge_exp.json
                                                        [-1e+9999]
i_number_pos_double_huge_exp.json
                                                      [1.5e+9999]
i_number_real_neg_overflow.json
                                                        [-123123e100000]
i_number_real_pos_overflow.json
                                                        [123123e100000]
i_number_real_underflow.json
                                                        [123e-10000000]
i_number_too_big_neg_int.json
                                                        [-123123123123123123123123123123]
                                                        [10000000000000000000000]
i_number_too_big_pos_int.json
                                                        [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
                                                        {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
i_string_1st_surrogate_but_2nd_missing.json
                                                        ["\uDADA"]
i_string_1st_valid_surrogate_2nd_invalid.json
                                                        ["\uD888\u1234"]
i_string_UTF-16LE_with_BOM.json
                                                        FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-8_invalid_sequence.json
                                                        ["<u>E697A5D188FA</u>"] <=> ["日ш"]
                                                         "EDA080"] <=> [""]
i string UTF8 surrogate U+D800.json
i_string_incomplete_surrogate_and_escape_valid.json
                                                        ["\uD800\n"]
                                                        ["\uDdlea"]
i_string_incomplete_surrogate_pair.json
                                                        ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
\verb"i_string_invalid_lonely_surrogate.json"
                                                        ["\ud800"]
i_string_invalid_surrogate.json
                                                        ["\ud800abc"]
i_string_invalid_utf-8.json
                                                         "<u>FF</u>"] <=> [""]
                                                         "\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
i_string_iso_latin_1.json
                                                         "<u>E9</u>"] <=> [""]
i_string_lone_second_surrogate.json
                                                         "\uDFAA"]
                                                         "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
i_string_not_in_unicode_range.json
                                                         "<u>F4BFBFBF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                         "<u>COAF</u>"] <=> [""]
                                                          '<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                         "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                         "<u>E0FF</u>"] <=> [""]
i_string_truncated-utf-8.json
                                                        <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                        [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_string_utf16LE_no_B0M.json
                                                        (\dots)
i_structure_500_nested_arrays.json
i_structure_UTF-8_BOM_empty_object.json
                                                        <u>EFBBBF</u>{} <=> {}
                                                       {"a":"b"}/**/
n_object_trailing_comment.json
                                                     {"a":"b"}//
n_object_trailing_comment_slash_open.json
                                                       {"a":/*comment*/"b"}
n_structure_object_with_comment.json
n_structure_whitespace_formfeed.json
                                                     [<u>0C</u>] <=> []
```

R rjson

```
[123.456e-789]
i_number_double_huge_neg_exp.json
                                                  i_number_huge_exp.json
i_number_neg_int_huge_exp.json
                                                  [-1e+9999]
                                                  [1.5e+9999]
i_number_pos_double_huge_exp.json
i_number_real_neg_overflow.json
                                                  [-123123e100000]
                                                 [123123e100000]
i_number_real_pos_overflow.json
i_number_real_underflow.json
                                                 [123e-100000000]
i_number_too_big_neg_int.json
                                                  [-123123123123123123123123123123]
```

http://seriot.ch/json/parsing.html

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```
i number_too_big_pos_int.json
                                                          [10000000000000000000000]
                                                          [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
                                                          ["\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                          ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
i_string_1st_valid_surrogate_2nd_invalid.json
                                                          ["\uD888\u1234"]
                                                         FFFE[00"00E900"00]00 <=> [""]
i string UTF-16LE with BOM.json
i_string_UTF-8_invalid_sequence.json
                                                          "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                           "EDA080"] <=> [""]
                                                          ["\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
                                                         ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
                                                       ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
i_string_invalid_lonely_surrogate.json
                                                         ["\ud800"]
i_string_invalid_surrogate.json
                                                          ["\ud800abc"]
{\tt i\_string\_invalid\_utf-8.json}
                                                          ["FF"] <=> [""]
                                                          ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                          "<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                          ["\uDFAA"]
i_string_lone_second_surrogate.json
i_string_lone_utf8_continuation_byte.json
                                                          "81"] <=> [""]
                                                          "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                           "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                           "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                          "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                          "E0FF"] <=> [""]
i_string_truncated-utf-8.json
                                                         <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                          [<u>00</u>"<u>00E900</u>"<u>00]00</u> <=> [""]
i_string_utf16LE_no_BOM.json
                                                         (...)
i_structure_500_nested_arrays.json
i\_structure\_UTF-8\_BOM\_empty\_object.json
                                                         EFBBBF{} <=> {}
n_array_comma_after_close.json
n_array_extra_close.json
                                                         ["x"]]
                                                          ["",
n_array_extra_comma.json
n_array_just_minus.json
                                                          [-]
n_array_number_and_comma.json
                                                         [1.]
                                                         123<u>00</u> <=> 123
n_multidigit_number_then_00.json
n_number_-2..json
                                                         [-2.1
n_number_0.3e+.json
                                                         [0.3e+]
n_number_0.3e.json
                                                         [0.3e]
                                                         [0.e1]
n_number_0.el.json
n_number_0_capital_E+.json
                                                         [0E+1
                                                          [0E]
n_number_0_capital_E.json
                                                         [0e+1
n_number_0e+.json
n_number_0e.json
                                                         [0e]
n_number_1.0e+.json
                                                         [1.0e+]
                                                         [1.0e-]
n_number_1.0e-.json
n_number_1.0e.json
                                                         [1.0e]
                                                         [2.e+3]
n_number_2.e+3.json
n_number_2.e-3.json
                                                         [2.e-3]
                                                         [2.e3]
n_number_2.e3.json
n_number_9.e+.json
                                                         [9.e+]
n_number_neg_real_without_int_part.json
                                                         [-.123]
n_number_real_without_fractional_part.json
                                                         [1.]
                                                         {"a":"b"}/**/
n_object_trailing_comment.json
                                                         {"a":"b"}/**//
n_object_trailing_comment_open.json
n_object_trailing_comment_slash_open.json
                                                         {"a":"b"}//
n_object_trailing_comment_slash_open_incomplete.json { "a":"b"}/
n object_with_trailing_garbage.json
                                                         {"a":"b"}#
n_string_unescaped_newline.json
                                                          ["new<u>OA</u>line"] <=> ["new line"]
n_string_unescaped_tab.json
                                                          ["<u>09</u>"] <=> [" "]
n_string_with_trailing_garbage.json
                                                         [1]x
n_structure_array_trailing_garbage.json
                                                         [1]]
n_structure_array_with_extra_array_close.json
n_structure_close_unopened_array.json
                                                         1]
n_structure_double_array.json
                                                         [][]
n\_structure\_number\_with\_trailing\_garbage.json
                                                         2@
n_structure_object_followed_by_closing_object.json
                                                         {}}
n_structure_object_with_trailing_garbage.json
                                                        {"a": true} "x"
n_structure_trailing_#.json
                                                        {"a":"b"}#{}
```

Ruby

[123.456e-789] i_number_double_huge_neg_exp.json i_number_huge_exp.json i_number_neg_int_huge_exp.json [-1e+99991 i_number_pos_double_huge_exp.json [1.5e+9999] [-123123e100000] i_number_real_neg_overflow.json [123123e100000] i_number_real_pos_overflow.json [123e-100000000] i_number_real_underflow.json [-123123123123123123123123123123] i_number_too_big_neg_int.json i_number_too_big_pos_int.json i_number_very_big_negative_int.json [-2374623746732768942798327498324234(...) {"\uDFAA":0} i_object_key_lone_2nd_surrogate.json i string 1st surrogate but 2nd missing.json ["\uDADA"] ["\uD888\u1234"] i_string_1st_valid_surrogate_2nd_invalid.json i_string_UTF-16LE_with_BOM.json <u>FFFE[00"00E900"00]00</u> <=> [""] i_string_UTF-8_invalid_sequence.json "E697A5D188FA"] <=> ["日ш"] i string UTF8 surrogate U+D800.json "EDA0<u>80</u>"] <=> [""] i_string_incomplete_surrogate_and_escape_valid.json ["\uD800\n"] i_string_incomplete_surrogate_pair.json ["\uDd1ea"] ["\uD800\uD800\n"] i_string_incomplete_surrogates_escape_valid.json i_string_invalid_lonely_surrogate.json ["\ud800"] ["\ud800abc"] i_string_invalid_surrogate.json i_string_invalid_utf-8.json "<u>FF</u>"] <=> [""] i_string_inverted_surrogates_U+1D11E.json ["\uDd1e\uD834"] "E9"] <=> [""] i_string_iso_latin_1.json ["\uDFAA"] i_string_lone_second_surrogate.json i_string_lone_utf8_continuation_byte.json "<u>81</u>"] <=> [""] ["<u>F4BFBFBF</u>"] <=> [""] i_string_not_in_unicode_range.json "<u>COAF</u>"] <=> [""] i_string_overlong_sequence_2_bytes.json "<u>FC83BFBFBFBF</u>"] <=> [""] i_string_overlong_sequence_6_bytes.json i_string_overlong_sequence_6_bytes_null.json ["<u>FC8080808080</u>"] <=> [""] ["<u>E0FF</u>"] <=> [""] i_string_truncated-utf-8.json i string utf16BE no BOM.json 00[00"00E900"00] <=> [""] [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""] i_string_utf16LE_no_BOM.json (...)i_structure_500_nested_arrays.json i_structure_UTF-8_BOM_empty_object.json EFBBBF{} <=> {} {"a":"b"}/**/ n_object_trailing_comment.json n_string_escape_x.json ["\x00"] n_string_escaped_emoji.json ["\<u>F09F8C80</u>"] <=> ["\[]"] n_string_incomplete_surrogate_escape_invalid.json ["\uD800\uD800\x"] ["\a"] n_string_invalid_backslash_esc.json n string invalid utf8 after escape.json ["\<u>E5</u>"] <=> ["\"] "\UA66D" n_string_unicode_CapitalU.json {"a":/*comment*/"b"} n_structure_object_with_comment.json y_structure_lonely_null.json null

Ruby Oj (compat mode)

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                          [-1e+9999]
i_number_neg_int_huge_exp.json
i_number_pos_double_huge_exp.json
                                                          [1.5e+9999]
                                                          [-123123e100000]
i_number_real_neg_overflow.json
                                                          [123123e100000]
i_number_real_pos_overflow.json
                                                          [123e-10000000]
i_number_real_underflow.json
                                                          [-123123123123123123123123123123]
i_number_too_big_neg_int.json
                                                          [10000000000000000000000]
i_number_too_big_pos_int.json
                                                          [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
i_object_key_lone_2nd_surrogate.json
                                                          {"\uDFAA":0}
                                                          "\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
i_string_1st_valid_surrogate_2nd_invalid.json
                                                          ["\uD888\u1234"]
                                                         <u>FFFE[00"00E900"00]00</u> <=> [""]
i_string_UTF-16LE_with_BOM.json
i_string_UTF-8_invalid_sequence.json
                                                          "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                          "<u>EDA080</u>"] <=> [""]
```

```
i\_string\_incomplete\_surrogate\_and\_escape\_valid.json
                                                             "\uD800\n"]
i_string_incomplete_surrogate_pair.json
                                                             '\uDdlea"]
                                                             "\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
i_string_invalid_lonely_surrogate.json
                                                             "\ud800"]
                                                             "\ud800abc"]
i_string_invalid_surrogate.json
i string invalid utf-8.json
                                                            "<u>FF</u>"] <=> [""]
i_string_inverted_surrogates_U+1D11E.json
                                                             "\uDd1e\uD834"]
                                                            "<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
i_string_lone_second_surrogate.json
                                                            "\uDFAA"]
i_string_lone_utf8_continuation_byte.json
                                                            "<u>81</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                            "F4BFBFBF"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                             "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                             "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                             "<u>FC8080808080</u>"] <=> [""]
i string truncated-utf-8.json
                                                            "<u>E0FF</u>"] <=> [""]
i_string_utf16BE_no_BOM.json
                                                           00[00"00E900"00] <=> [""]
i_string_utf16LE_no_BOM.json
                                                           [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_structure_500_nested_arrays.json
                                                           (\dots)
i_structure_UTF-8_BOM_empty_object.json
                                                           <u>EFBBBF</u>{} <=> {}
y_array_arraysWithSpaces.json
                                                           [[]]
                                                           [""]
y_array_empty-string.json
y_array_empty.json
                                                           []
                                                           ["a"]
y_array_ending_with_newline.json
y_array_false.json
                                                           [false]
                                                           [null, 1, "1", {}]
y_array_heterogeneous.json
y_array_null.json
                                                           [null]
                                                           [1\underline{0A}] \iff [1]
y_array_with_1_and_newline.json
y_array_with_leading_space.json
                                                           [1]
y_array_with_several_null.json
                                                           [1,null,null,null,2]
y_array_with_trailing_space.json
                                                           [123e65]
y_number.json
y_number_0e+1.json
                                                           [0e+1]
                                                           [0e1]
y_number_0e1.json
y_number_after_space.json
                                                            4]
                                                            y_number_double_close_to_zero.json
y_number_int_with_exp.json
                                                           [20e1]
y_number_minus_zero.json
                                                            [-0]
y_number_negative_int.json
                                                            [-123]
y_number_negative_one.json
                                                            [-1]
y_number_negative_zero.json
                                                            [-01
y_number_real_capital_e.json
                                                           [1E22]
{\tt y\_number\_real\_capital\_e\_neg\_exp.json}
                                                           [1E-2]
y_number_real_capital_e_pos_exp.json
                                                           [1E+2]
y_number_real_exponent.json
                                                           [123e45]
                                                           [123.456e78]
y_number_real_fraction_exponent.json
y_number_real_neg_exp.json
                                                           [1e-2]
                                                           [1e+2]
y_number_real_pos_exponent.json
                                                           [123]
y_number_simple_int.json
                                                           [123.456789]
y_number_simple_real.json
y_object.json
                                                           {"asd":"sdf", "dfg":"fgh"}
y_object_basic.json
                                                            {"asd":"sdf"}
y_object_duplicated_key.json
                                                            {"a":"b","a":"c"}
                                                           {"a":"b","a":"b"}
y_object_duplicated_key_and_value.json
y_object_empty.json
y_object_empty_key.json
                                                            {"foo\u0000bar": 42}
y_object_escaped_null_in_key.json
                                                            "min": -1.0e+28, "max": 1.0e+28 }
y_object_extreme_numbers.json
                                                           y_object_long_strings.json
                                                           {"a":[]}
y_object_simple.json
y_object_string_unicode.json
                                                           {"title":"\u041f\u043e\u043b\u0442\u(...)
                                                           \{\underline{0A}"a": "b"\underline{0A}\} \iff \{ "a": "b" \}
y_object_with_newlines.json
                                                            ["\u0060\u012a\u12AB"]
y_string_1_2_3_bytes_UTF-8_sequences.json
y_string_accepted_surrogate_pair.json
                                                            ["\uD801\udc37"]
                                                            [ "\ud83d\ude39\ud83d\udc8d" ]
y_string_accepted_surrogate_pairs.json
y string allowed escapes.json
                                                            ["\"\\\/\b\f\n\r\t"]
y_string_backslash_and_u_escaped_zero.json
                                                            ["\\u0000"]
y_string_backslash_doublequotes.json
                                                           ["\""]
```

```
y_string_comments.json
                                                            "a/*b*/c/*d//e"]
                                                            "\\a"]
y_string_double_escape_a.json
                                                            "\\n"]
y_string_double_escape_n.json
y_string_escaped_control_character.json
                                                            "\u0012"]
                                                            "\uFFFF"]
y_string_escaped_noncharacter.json
y string in array.json
                                                            ["asd"]
y_string_in_array_with_leading_space.json
                                                             "asd"]
                                                            "\uDBFF\uDFFF"]
y_string_last_surrogates_1_and_2.json
y string nbsp uescaped.json
                                                            "new\u00A0line"]
y_string_nonCharacterInUTF-8_U+10FFFF.json
                                                            "<u>F48FBFBF</u>"] <=> ["[]"]
y_string_nonCharacterInUTF-8_U+1FFFF.json
                                                            "F09BBFBF"] <=> ["\|"]
y_string_nonCharacterInUTF-8_U+FFFF.json
                                                            "<u>EFBFBF</u>"] <=> ["□"]
y_string_null_escape.json
                                                            "\u0000"]
y_string_one-byte-utf-8.json
                                                            "\u002c"]
y_string_pi.json
                                                            "<u>CF80</u>"] <=> ["π"]
                                                            ["asd "]
y_string_simple_ascii.json
y_string_space.json
y_string_surrogates_U+1D11E_MUSICAL_SYMBOL_G_CLEF.json
                                                            ["\uD834\uDd1e"]
                                                            "\u0821"]
y_string_three-byte-utf-8.json
y_string_two-byte-utf-8.json
                                                             "\u0123"]
y_string_u+2028_line_sep.json
                                                             "<u>E280A8</u>"] <=> ["[]"]
y_string_u+2029_par_sep.json
                                                             "E280A9"] <=> ["∏"]
                                                            "\u0061\u30af\u30EA\u30b9"]
y_string_uEscape.json
y_string_uescaped_newline.json
                                                            "new\u000Aline"]
                                                            "<u>7F</u>"] <=> ["\D"]
y_string_unescaped_char_delete.json
                                                            "\uA66D"]
y_string_unicode.json
y\_string\_unicodeEscapedBackslash.json
                                                            "\u005C"]
                                                            y_string_unicode_2.json
y_string_unicode_U+10FFFE_nonchar.json
                                                            "\uDBFF\uDFFE"]
                                                            "\uD83F\uDFFE"]
y_string_unicode_U+1FFFE_nonchar.json
y_string_unicode_U+200B_ZERO_WIDTH_SPACE.json
                                                            "\u200B"]
y_string_unicode_U+2064_invisible_plus.json
                                                            "\u2064"]
                                                            "\uFDD0"]
y_string_unicode_U+FDD0_nonchar.json
                                                            "\uFFFE"]
y string unicode U+FFFE nonchar.json
y_string_unicode_escaped_double_quote.json
                                                            ["\u0022"]
y_string_utf8.json
                                                            "<u>E282ACF09D849E</u>"] <=> ["€ģ"]
y_string_with_del_character.json
                                                            ["a<u>7F</u>a"] <=> ["a△a"]
y_structure_lonely_false.json
                                                           false
                                                           42
y_structure_lonely_int.json
                                                           -0.1
y_structure_lonely_negative_real.json
y_structure_lonely_null.json
                                                           null
y_structure_lonely_string.json
                                                           "asd'
y structure lonely true.json
y_structure_string_empty.json
                                                           ["a"]<u>0A</u> <=> ["a"]
y_structure_trailing_newline.json
y_structure_true_in_array.json
                                                           [true]
y_structure_whitespace_array.json
```

Ruby Oj (strict mode)

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                          i_number_neg_int_huge_exp.json
                                                          [-1e+9999]
i_number_pos_double_huge_exp.json
                                                          [1.5e+9999]
i_number_real_neg_overflow.json
                                                          [-123123e100000]
\verb"i_number_real_pos_overflow.json"
                                                          [123123e100000]
                                                          [123e-10000000]
i_number_real_underflow.json
i_number_too_big_neg_int.json
                                                          [-123123123123123123123123123123]
                                                          [10000000000000000000000]
i_number_too_big_pos_int.json
                                                          [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
i_object_key_lone_2nd_surrogate.json
                                                          {"\uDFAA":0}
i_string_1st_surrogate_but_2nd_missing.json
                                                          "\uDADA"]
i_string_1st_valid_surrogate_2nd_invalid.json
                                                          ["\uD888\u1234"]
i_string_UTF-16LE_with_BOM.json
                                                         <u>FFFE[00"00E900"00]00</u> <=> [""]
i_string_UTF-8_invalid_sequence.json
                                                           "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                          ["<u>EDA080</u>"] <=> [""]
```

```
"\uD800\n"]
i string incomplete surrogate and escape valid.json
i_string_incomplete_surrogate_pair.json
                                                           "\uDdlea"]
i_string_incomplete_surrogates_escape_valid.json
                                                           "\uD800\uD800\n"]
i_string_invalid_lonely_surrogate.json
                                                           "\ud800"]
i string invalid surrogate.json
                                                           "\ud800abc"]
i_string_invalid_utf-8.json
                                                           "FF"] <=> [""]
i_string_inverted_surrogates_U+1D11E.json
                                                           "\uDd1e\uD834"]
i_string_iso_latin_1.json
                                                           "<u>E9</u>"] <=> [""]
i_string_lone_second_surrogate.json
                                                           "\uDFAA"]
i_string_lone_utf8_continuation_byte.json
                                                           "81"] <=> [""]
                                                           "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                           "COAF"] <=> [""]
i_string_overlong_sequence_2_bytes.json
i_string_overlong_sequence_6_bytes.json
                                                           "FC83BFBFBFBF"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                           "<u>FC8080808080</u>"] <=> [""]
i\_string\_truncated-utf-8.json
                                                           "E0FF"] <=> [""]
i_string_utf16BE_no_BOM.json
                                                          <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16LE_no_BOM.json
                                                          [00"00E900"00]00 <=> [""]
                                                          i_structure_500_nested_arrays.json
i\_structure\_UTF-8\_BOM\_empty\_object.json
                                                         <u>EFBBBF</u>{} <=> {}
                                                          [[]]
y_array_arraysWithSpaces.json
                                                          [""]
y_array_empty-string.json
y_array_empty.json
                                                          ["a"]
y_array_ending_with_newline.json
                                                          [false]
y_array_false.json
                                                          [null, 1, "1", {}]
y_array_heterogeneous.json
                                                          [null]
y_array_null.json
y_array_with_1_and_newline.json
                                                          [1<u>0A</u>] <=> [1 ]
y_array_with_leading_space.json
                                                          [1]
                                                          [1,null,null,null,2]
y_array_with_several_null.json
y_array_with_trailing_space.json
                                                          [123e65]
y_number.json
y_number_0e+1.json
                                                          [0e+1]
y_number_0e1.json
                                                          [0e1]
y_number_after_space.json
                                                          4]
y_number_double_close_to_zero.json
                                                          y_number_int_with_exp.json
                                                          [20e1]
                                                          [-0]
y_number_minus_zero.json
                                                          [-123]
y_number_negative_int.json
                                                          [-1]
y_number_negative_one.json
                                                          -0]
y_number_negative_zero.json
y_number_real_capital_e.json
                                                          [1E22]
y_number_real_capital_e_neg_exp.json
                                                          [1E-2]
y_number_real_capital_e_pos_exp.json
                                                          [1E+2]
                                                          [123e45]
y_number_real_exponent.json
y_number_real_fraction_exponent.json
                                                          [123.456e78]
                                                          [1e-2]
y_number_real_neg_exp.json
                                                          [1e+2]
y_number_real_pos_exponent.json
                                                          [123]
y_number_simple_int.json
y_number_simple_real.json
                                                          [123.456789]
                                                          {"asd":"sdf", "dfg":"fgh"}
y_object.json
y_object_basic.json
                                                          {"asd":"sdf"}
                                                          {"a":"b","a":"c"}
y_object_duplicated_key.json
                                                          {"a":"b","a":"b"}
y_object_duplicated_key_and_value.json
y_object_empty.json
y_object_empty_key.json
y_object_escaped_null_in_key.json
                                                          {"foo\u0000bar": 42}
y_object_extreme_numbers.json
                                                           "min": -1.0e+28, "max": 1.0e+28 }
y_object_long_strings.json
                                                          y_object_simple.json
y_object_string_unicode.json
                                                          {"title":"\u041f\u043e\u043b\u0442\u(...)
y_object_with_newlines.json
                                                          {<u>0A</u>"a": "b"<u>0A</u>} <=> { "a": "b" }
y\_string\_1\_2\_3\_bytes\_UTF-8\_sequences.json
                                                          ["\u0060\u012a\u12AB"]
                                                          ["\uD801\udc37"]
y_string_accepted_surrogate_pair.json
y_string_accepted_surrogate_pairs.json
                                                          ["\ud83d\ude39\ud83d\udc8d"]
y_string_allowed_escapes.json
                                                          ["\"\\\/\b\f\n\r\t"]
                                                          ["\\u0000"]
y_string_backslash_and_u_escaped_zero.json
y_string_backslash_doublequotes.json
                                                          ["\""]
```

```
y_string_comments.json
                                                              "a/*b*/c/*d//e"]
                                                              "\\a"]
y_string_double_escape_a.json
                                                              "\\n"]
y_string_double_escape_n.json
y_string_escaped_control_character.json
                                                             ["\u0012"]
                                                              "\uFFFF"]
y_string_escaped_noncharacter.json
y string in array.json
                                                             ["asd"]
y_string_in_array_with_leading_space.json
                                                               "asd"]
                                                              "\uDBFF\uDFFF"]
y_string_last_surrogates_1_and_2.json
y string nbsp uescaped.json
                                                              "new\u00A0line"]
y_string_nonCharacterInUTF-8_U+10FFFF.json
                                                              "<u>F48FBFBF</u>"] <=> ["[]"]
y_string_nonCharacterInUTF-8_U+1FFFF.json
                                                              "F09BBFBF"] <=> ["\|"]
y_string_nonCharacterInUTF-8_U+FFFF.json
                                                              "<u>EFBFBF</u>"] <=> ["□"]
y_string_null_escape.json
                                                              "\u0000"]
y_string_one-byte-utf-8.json
                                                              "\u002c"]
y_string_pi.json
                                                              "<u>CF80</u>"] <=> ["π"]
                                                             ["asd "]
y_string_simple_ascii.json
y_string_space.json
y_string_surrogates_U+1D11E_MUSICAL_SYMBOL_G_CLEF.json
                                                             ["\uD834\uDd1e"]
                                                              "\u0821"]
y_string_three-byte-utf-8.json
y_string_two-byte-utf-8.json
                                                              "\u0123"]
y_string_u+2028_line_sep.json
                                                              "<u>E280A8</u>"] <=> ["[]"]
y_string_u+2029_par_sep.json
                                                              "E280A9"] <=> ["∏"]
                                                              "\u0061\u30af\u30EA\u30b9"]
y_string_uEscape.json
y_string_uescaped_newline.json
                                                              "new\u000Aline"]
                                                              "<u>7F</u>"] <=> ["\D"]
y_string_unescaped_char_delete.json
                                                              "\uA66D"]
y_string_unicode.json
                                                              "\u005C"]
y_string_unicodeEscapedBackslash.json
y_string_unicode_2.json
                                                              "<u>E28D82E388B4E28D82</u>"] <=> ["\\[\]\\\]"]
y_string_unicode_U+10FFFE_nonchar.json
                                                             "\uDBFF\uDFFE"]
                                                              "\uD83F\uDFFE"]
y_string_unicode_U+1FFFE_nonchar.json
y_string_unicode_U+200B_ZERO_WIDTH_SPACE.json
                                                              "\u200B"]
y_string_unicode_U+2064_invisible_plus.json
                                                              "\u2064"]
                                                              "\uFDD0"]
y_string_unicode_U+FDD0_nonchar.json
                                                              "\uFFFE"]
y string unicode U+FFFE nonchar.json
y_string_unicode_escaped_double_quote.json
                                                             ["\u0022"]
y_string_utf8.json
                                                              "<u>E282ACF09D849E</u>"] <=> ["€ģ"]
y_string_with_del_character.json
                                                             ["a<u>7F</u>a"] <=> ["a△a"]
y_structure_lonely_false.json
                                                             false
                                                             42
y_structure_lonely_int.json
                                                             -0.1
y_structure_lonely_negative_real.json
y_structure_lonely_null.json
                                                             null
y_structure_lonely_string.json
                                                             "asd'
y structure lonely true.json
y_structure_string_empty.json
                                                             ["a"]<u>0A</u> <=> ["a"]
y_structure_trailing_newline.json
y_structure_true_in_array.json
                                                             [true]
{\tt y\_structure\_whitespace\_array.json}
```

Ruby Yajl

```
i\_number\_double\_huge\_neg\_exp.json
                                                          [123.456e-789]
i\_number\_huge\_exp.json
                                                          i_number_neg_int_huge_exp.json
                                                          [-1e+9999]
i_number_pos_double_huge_exp.json
                                                          [1.5e+99991
i_number_real_neg_overflow.json
                                                          [-123123e100000]
                                                          [123123e100000]
i_number_real_pos_overflow.json
i_number_real_underflow.json
                                                          [123e-100000001
                                                          -1231231231231231231231231231
i_number_too_big_neg_int.json
                                                          [10000000000000000000000]
i_number_too_big_pos_int.json
                                                          [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
i_object_key_lone_2nd_surrogate.json
                                                          {"\uDFAA":0}
i_string_1st_surrogate_but_2nd_missing.json
                                                          "\uDADA"]
                                                          ["\uD888\u1234"]
i_string_1st_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
                                                         <u>FFFE[00"00E900"00]00</u> <=> [""]
i_string_UTF-8_invalid_sequence.json
                                                           "<u>E697A5D188FA</u>"] <=> ["日ш"]
                                                           "<u>EDA080</u>"] <=> [""]
i_string_UTF8_surrogate_U+D800.json
```

```
i_string_incomplete_surrogate_and_escape_valid.json
                                                           "\uD800\n"1
                                                           "\uDdlea"]
i_string_incomplete_surrogate_pair.json
i_string_incomplete_surrogates_escape_valid.json
                                                           "\uD800\uD800\n"]
i_string_invalid_lonely_surrogate.json
                                                           "\ud800"1
i_string_invalid_surrogate.json
                                                           "\ud800abc"]
i_string_invalid_utf-8.json
                                                           "FF"] <=> [""]
                                                           "\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
i_string_iso_latin_1.json
                                                           "E9"] <=> [""]
                                                           "\uDFAA"]
i_string_lone_second_surrogate.json
i_string_lone_utf8_continuation_byte.json
                                                           "81"] <=> [""]
                                                           "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
i_string_overlong_sequence_2_bytes.json
                                                           "COAF"] <=> [""]
                                                           "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                           "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                           "<u>E0FF</u>"] <=> [""]
i_string_truncated-utf-8.json
                                                          00[00"00E900"00] <=> [""]
i_string_utf16BE_no_BOM.json
                                                          [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_string_utf16LE_no_BOM.json
i_structure_500_nested_arrays.json
                                                          (...)
                                                          <u>EFBBBF</u>{} <=> {}
i_structure_UTF-8_BOM_empty_object.json
                                                          [[]]
y_array_arraysWithSpaces.json
                                                          [""]
y_array_empty-string.json
y_array_empty.json
                                                          ["a"]
y_array_ending_with_newline.json
y_array_false.json
                                                          [false]
y_array_heterogeneous.json
                                                          [null, 1, "1", {}]
y_array_null.json
                                                          [null]
y_array_with_1_and_newline.json
                                                          [10A] <=> [1]
y_array_with_leading_space.json
                                                          [1]
y_array_with_several_null.json
                                                          [1, null, null, null, 2]
y_array_with_trailing_space.json
y number.json
                                                          [123e65]
y_number_0e+1.json
                                                          [0e+1]
                                                          [0e1]
y_number_0e1.json
y_number_after_space.json
                                                           41
y_number_double_close_to_zero.json
                                                           [20e1]
y_number_int_with_exp.json
                                                           [-0]
y_number_minus_zero.json
                                                           -1231
y_number_negative_int.json
                                                           -11
y_number_negative_one.json
                                                           -01
y_number_negative_zero.json
                                                          [1E22]
y_number_real_capital_e.json
y_number_real_capital_e_neg_exp.json
                                                          [1E-2]
                                                          [1E+2]
y_number_real_capital_e_pos_exp.json
                                                          [123e45]
y_number_real_exponent.json
                                                          [123.456e78]
y_number_real_fraction_exponent.json
y_number_real_neg_exp.json
                                                          [1e-2]
                                                          [1e+2]
y_number_real_pos_exponent.json
y_number_simple_int.json
                                                          [123]
y_number_simple_real.json
                                                          [123.456789]
                                                          {"asd":"sdf", "dfg":"fgh"}
y_object.json
y_object_basic.json
                                                          {"asd":"sdf"}
y_object_duplicated_key.json
                                                          {"a":"b","a":"c"}
y_object_duplicated_key_and_value.json
                                                          {"a":"b","a":"b"}
y_object_empty.json
y_object_empty_key.json
y_object_escaped_null_in_key.json
                                                          {"foo\u0000bar": 42}
y_object_extreme_numbers.json
                                                           [ "min": -1.0e+28, "max": 1.0e+28 }
                                                          y_object_long_strings.json
y_object_simple.json
                                                          {"title":"\u041f\u043e\u043b\u0442\u(...)
y_object_string_unicode.json
                                                          {<u>0A</u>"a": "b"<u>0A</u>} <=> { "a": "b" }
y_object_with_newlines.json
y_string_1_2_3_bytes_UTF-8_sequences.json
                                                          ["\u0060\u012a\u12AB"]
y_string_accepted_surrogate_pair.json
                                                           ["\uD801\udc37"]
y_string_accepted_surrogate_pairs.json
                                                           ["\ud83d\ude39\ud83d\udc8d"]
                                                          ["\"\\\/\b\f\n\r\t"]
y_string_allowed_escapes.json
y_string_backslash_and_u_escaped_zero.json
                                                          ["\\u0000"]
                                                          ["\""]
y_string_backslash_doublequotes.json
```

```
y_string_comments.json
                                                            "a/*b*/c/*d//e"]
                                                             "\\a"]
y_string_double_escape_a.json
                                                            "\\n"]
y_string_double_escape_n.json
y_string_escaped_control_character.json
                                                            "\u0012"]
                                                            "\uFFFF"]
y_string_escaped_noncharacter.json
y string in array.json
                                                            ["asd"]
y_string_in_array_with_leading_space.json
                                                             "asd"]
                                                             "\uDBFF\uDFFF"]
y_string_last_surrogates_1_and_2.json
y string nbsp uescaped.json
                                                            "new\u00A0line"]
y_string_nonCharacterInUTF-8_U+10FFFF.json
                                                            "<u>F48FBFBF</u>"] <=> ["[]"]
y_string_nonCharacterInUTF-8_U+1FFFF.json
                                                            "F09BBFBF"] <=> ["\|"]
y_string_nonCharacterInUTF-8_U+FFFF.json
                                                             "<u>EFBFBF</u>"] <=> ["□"]
y_string_null_escape.json
                                                             "\u0000"]
y_string_one-byte-utf-8.json
                                                            "\u002c"]
y_string_pi.json
                                                             "<u>CF80</u>"] <=> ["π"]
                                                            ["asd "]
y_string_simple_ascii.json
y_string_space.json
y_string_surrogates_U+1D11E_MUSICAL_SYMBOL_G_CLEF.json
                                                            ["\uD834\uDd1e"]
                                                             "\u0821"]
y_string_three-byte-utf-8.json
y_string_two-byte-utf-8.json
                                                             "\u0123"]
y_string_u+2028_line_sep.json
                                                             "<u>E280A8</u>"] <=> ["[]"]
y_string_u+2029_par_sep.json
                                                             "E280A9"] <=> ["∏"]
                                                             "\u0061\u30af\u30EA\u30b9"]
y_string_uEscape.json
y_string_uescaped_newline.json
                                                             "new\u000Aline"]
                                                            "<u>7F</u>"] <=> ["\D"]
y_string_unescaped_char_delete.json
                                                            "\uA66D"]
y_string_unicode.json
y\_string\_unicodeEscapedBackslash.json
                                                             "\u005C"]
                                                             y_string_unicode_2.json
y_string_unicode_U+10FFFE_nonchar.json
                                                            "\uDBFF\uDFFE"]
                                                            "\uD83F\uDFFE"]
y_string_unicode_U+1FFFE_nonchar.json
y_string_unicode_U+200B_ZERO_WIDTH_SPACE.json
                                                            "\u200B"]
y_string_unicode_U+2064_invisible_plus.json
                                                            "\u2064"]
                                                            "\uFDD0"]
y_string_unicode_U+FDD0_nonchar.json
                                                            "\uFFFE"]
y string unicode U+FFFE nonchar.json
y_string_unicode_escaped_double_quote.json
                                                            ["\u0022"]
y_string_utf8.json
                                                            "<u>E282ACF09D849E</u>"] <=> ["€ģ"]
y_string_with_del_character.json
                                                            ["a<u>7F</u>a"] <=> ["a△a"]
y_structure_lonely_false.json
                                                            false
                                                            42
y_structure_lonely_int.json
                                                            -0.1
y_structure_lonely_negative_real.json
y_structure_lonely_null.json
                                                            null
y_structure_lonely_string.json
                                                            "asd'
y structure lonely true.json
y_structure_string_empty.json
                                                            ["a"]<u>0A</u> <=> ["a"]
y_structure_trailing_newline.json
y_structure_true_in_array.json
                                                            [true]
y_structure_whitespace_array.json
```

Ruby regex

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                          i_number_neg_int_huge_exp.json
                                                          [-1e+9999]
i_number_pos_double_huge_exp.json
                                                          [1.5e+9999]
i_number_real_neg_overflow.json
                                                          [-123123e100000]
\verb"i_number_real_pos_overflow.json"
                                                          [123123e100000]
                                                          [123e-10000000]
i_number_real_underflow.json
i_number_too_big_neg_int.json
                                                          [-123123123123123123123123123]
                                                          [10000000000000000000000]
i_number_too_big_pos_int.json
                                                          [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
i_object_key_lone_2nd_surrogate.json
                                                          {"\uDFAA":0}
i_string_1st_surrogate_but_2nd_missing.json
                                                          "\uDADA"]
i_string_1st_valid_surrogate_2nd_invalid.json
                                                          ["\uD888\u1234"]
i_string_UTF-16LE_with_BOM.json
                                                         <u>FFFE[00"00E900"00]00</u> <=> [""]
i_string_UTF-8_invalid_sequence.json
                                                          "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                          ["<u>EDA080</u>"] <=> [""]
```

```
"\uD800\n"]
i string incomplete surrogate and escape valid.json
i string incomplete surrogate pair.json
                                                            "\uDdlea"]
i_string_incomplete_surrogates_escape_valid.json
                                                            "\uD800\uD800\n"]
i_string_invalid_lonely_surrogate.json
                                                            "\ud800"]
i string invalid surrogate.json
                                                            "\ud800abc"]
i_string_invalid_utf-8.json
                                                            "FF"] <=> [""]
i_string_inverted_surrogates_U+1D11E.json
                                                            "\uDd1e\uD834"]
i string iso latin 1.json
                                                            "<u>E9</u>"] <=> [""]
i_string_lone_second_surrogate.json
                                                            "\uDFAA"]
i_string_lone_utf8_continuation_byte.json
                                                            "81"] <=> [""]
                                                            "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                            "COAF"] <=> [""]
i_string_overlong_sequence_2_bytes.json
i_string_overlong_sequence_6_bytes.json
                                                            "FC83BFBFBFBF"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                            "<u>FC8080808080</u>"] <=> [""]
i\_string\_truncated-utf-8.json
                                                            "E0FF"] <=> [""]
i_string_utf16BE_no_BOM.json
                                                           <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16LE_no_BOM.json
                                                           [00"00E900"00]00 <=> [""]
                                                           i_structure_500_nested_arrays.json
i_structure_UTF-8_BOM_empty_object.json
                                                          <u>EFBBBF</u>{} <=> {}
                                                           "a<u>00</u>a"] <=> ["aa"]
n\_string\_unescaped\_crtl\_char.json
n_string_unescaped_newline.json
                                                           ["new<u>0A</u>line"] <=> ["new line"]
                                                           ["<u>09</u>"] <=> [" "]
n_string_unescaped_tab.json
                                                           [True]
n_structure_capitalized_True.json
                                                           n_structure_open_array_object.json
                                                           [<u>0C</u>] <=> []
n_structure_whitespace_formfeed.json
                                                           {"foo\u0000bar": 42}
y_object_escaped_null_in_key.json
                                                           {"title":"\u041f\u043e\u043b\u0442\u(...)
y object string unicode.json
y_string_1_2_3_bytes_UTF-8_sequences.json
                                                           ["\u0060\u012a\u12AB"]
y_string_accepted_surrogate_pair.json
                                                           ["\uD801\udc37"]
y_string_accepted_surrogate_pairs.json
                                                           ["\ud83d\ude39\ud83d\udc8d"]
y_string_allowed_escapes.json
                                                           ["\"\\\/\b\f\n\r\t"]
\verb|y_string_backslash_and_u_escaped_zero.json|\\
                                                           ["\\u0000"]
                                                           ["\""]
y_string_backslash_doublequotes.json
y_string_double_escape_a.json
                                                           ["\\a"]
y_string_double_escape_n.json
                                                           ["\\n"]
{\tt y\_string\_escaped\_control\_character.json}
                                                           ["\u0012"]
                                                           "\uFFFF"]
y_string_escaped_noncharacter.json
                                                           ["\uDBFF\uDFFF"]
y_string_last_surrogates_1_and_2.json
                                                           "new\u00A0line"l
y_string_nbsp_uescaped.json
                                                           "\u0000"]
y_string_null_escape.json
y_string_one-byte-utf-8.json
                                                           ["\u002c"]
y_string_surrogates_U+1D11E_MUSICAL_SYMB0L_G_CLEF.json
                                                           "\uD834\uDd1e"]
y_string_three-byte-utf-8.json
                                                            "\u0821"]
                                                            "\u0123"1
y_string_two-byte-utf-8.json
                                                            "\u0061\u30af\u30EA\u30b9"]
y_string_uEscape.json
                                                            "new\u000Aline"]
y_string_uescaped_newline.json
                                                            "\uA66D"]
y_string_unicode.json
y_string_unicodeEscapedBackslash.json
                                                            "\u005C"]
y_string_unicode_U+10FFFE_nonchar.json
                                                           "\uDBFF\uDFFE"]
y_string_unicode_U+1FFFE_nonchar.json
                                                           "\uD83F\uDFFE"]
y_string_unicode_U+200B_ZERO_WIDTH_SPACE.json
                                                           "\u200B"]
                                                           "\u2064"]
y_string_unicode_U+2064_invisible_plus.json
                                                           "\uFDD0"]
y_string_unicode_U+FDD0_nonchar.json
                                                           "\uFFFE"]
y_string_unicode_U+FFFE_nonchar.json
                                                           ["\u0022"]
y_string_unicode_escaped_double_quote.json
```

Rust json-rust

```
i_number_double_huge_neg_exp.json
                                                 [123.456e-789]
                                                 i_number_huge_exp.json
i_number_neg_int_huge_exp.json
                                               [-1e+9999]
                                               [1.5e+9999]
i_number_pos_double_huge_exp.json
i\_number\_real\_neg\_overflow.json
                                               [-123123e100000]
i_number_real_pos_overflow.json
                                                 [123123e100000]
                                                 [123e-10000000]
i_number_real_underflow.json
i_number_too_big_neg_int.json
                                                 [-123123123123123123123123123]
```

```
i number_too_big_pos_int.json
                                                       [100000000000000000000000]
                                                       -2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
                                                       {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                       ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
i_string_1st_valid_surrogate_2nd_invalid.json
                                                       ["\uD888\u1234"]
                                                      FFFE[00"00E900"00]00 <=> [""]
i string UTF-16LE with BOM.json
i_string_UTF-8_invalid_sequence.json
                                                       "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                        "EDA080"] <=> [""]
                                                       ["\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
                                                       ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
                                                       ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
i_string_invalid_lonely_surrogate.json
                                                       ["\ud800"]
i_string_invalid_surrogate.json
                                                       ["\ud800abc"]
{\tt i\_string\_invalid\_utf-8.json}
                                                       ["FF"] <=> [""]
                                                       ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                       ["<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                       ["\uDFAA"]
i_string_lone_second_surrogate.json
i_string_lone_utf8_continuation_byte.json
                                                       "81"] <=> [""]
                                                       "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                       "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                       "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                       "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                       ["E0FF"] <=> [""]
i_string_truncated-utf-8.json
                                                      <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                      [<u>00"00E900"00]00</u> <=> [""]
i_string_utf16LE_no_BOM.json
                                                       (...)
i_structure_500_nested_arrays.json
i\_structure\_UTF-8\_BOM\_empty\_object.json
                                                      EFBBBF{} <=> {}
                                                      [-2.]
n_number_-2..json
n_number_0.el.json
                                                       [0.e1]
                                                       [2.e+3]
n_number_2.e+3.json
n_number_2.e-3.json
                                                       [2.e-3]
                                                       [2.e3]
n_number_2.e3.json
n_number_real_without_fractional_part.json
                                                      [1.]
n_string_accentuated_char_no_quotes.json
                                                       [C3A9] <=> [é]
n_structure_100000_opening_arrays.json
                                                       (\dots)
                                                       n_structure_open_array_object.json
                                                      <u>C3A5</u> <=> å
n_structure_unicode-identifier.json
                                                    [<u>0C</u>] <=> []
n_structure_whitespace_formfeed.json
```

Rust rustc serialize::json

```
\verb"i_number_double_huge_neg_exp.json"
                                                        [123.456e-789]
                                                        i_number_huge_exp.json
                                                        [-1e+9999]
i_number_neg_int_huge_exp.json
                                                       [1.5e+9999]
i_number_pos_double_huge_exp.json
                                                        [-123123e100000]
i_number_real_neg_overflow.json
                                                        [123123e100000]
i_number_real_pos_overflow.json
                                                       [123e-10000000]
i_number_real_underflow.json
i_number_too_big_neg_int.json
                                                        [-123123123123123123123123123123]
i_number_too_big_pos_int.json
                                                        [10000000000000000000000]
                                                        [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
                                                        {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                        ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                        ["\uD888\u1234"]
i_string_1st_valid_surrogate_2nd_invalid.json
                                                       FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-16LE_with_BOM.json
i_string_UTF-8_invalid_sequence.json
                                                        "<u>E697A5D188FA</u>"] <=> ["日ш"]
                                                        "<u>EDA080</u>"] <=> [""]
i_string_UTF8_surrogate_U+D800.json
i_string_incomplete_surrogate_and_escape_valid.json
                                                        ["\uD800\n"]
                                                        ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
                                                        ["\uD800\uD800\n"]
i\_string\_incomplete\_surrogates\_escape\_valid.json
                                                        ["\ud800"]
i_string_invalid_lonely_surrogate.json
i_string_invalid_surrogate.json
                                                        ["\ud800abc"]
                                                       ["<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
                                                        ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                        "<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                        ["\uDFAA"]
i_string_lone_second_surrogate.json
```

```
i_string_lone_utf8_continuation_byte.json
i_string_not_in_unicode_range.json
i_string_overlong_sequence_2_bytes.json
i_string_overlong_sequence_6_bytes.json
i_string_overlong_sequence_6_bytes_null.json
i_string_truncated-utf-8.json
i_string_utf16BE_no_BOM.json
i_string_utf16LE_no_BOM.json
i_structure_500_nested_arrays.json
i_structure_UTF-8_BOM_empty_object.json
n_structure_100000_opening_arrays.json
n_structure_open_array_object.json
```

Rust serde json

Squeak JSON-tonyg

```
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
i_number_neg_int_huge_exp.json
i_number_pos_double_huge_exp.json
i_number_real_neg_overflow.json
i_number_real_pos_overflow.json
i_number_real_underflow.json
i_number_too_big_neg_int.json
i_number_too_big_pos_int.json
i\_number\_very\_big\_negative\_int.json
i_object_key_lone_2nd_surrogate.json
i_string_1st_surrogate_but_2nd_missing.json
i_string_1st_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
i_string_UTF-8_invalid_sequence.json
i string UTF8 surrogate U+D800.json
i_string_incomplete_surrogate_and_escape_valid.json
i_string_incomplete_surrogate_pair.json
i_string_incomplete_surrogates_escape_valid.json
i_string_invalid_lonely_surrogate.json
i_string_invalid_surrogate.json
i_string_invalid_utf-8.json
i_string_inverted_surrogates_U+1D11E.json
i_string_iso_latin_1.json
i_string_lone_second_surrogate.json
i_string_lone_utf8_continuation_byte.json
i_string_not_in_unicode_range.json
i_string_overlong_sequence_2_bytes.json
i_string_overlong_sequence_6_bytes.json
i_string_overlong_sequence_6_bytes_null.json
i_string_truncated-utf-8.json
i_string_utf16BE_no_BOM.json
i_string_utf16LE_no_BOM.json
i_structure_500_nested_arrays.json
i_structure_UTF-8_BOM_empty_object.json
n_array_comma_after_close.json
n_array_extra_close.json
n_array_invalid_utf8.json
n_multidigit_number_then_00.json
n number +1.json
n_number_-01.json
n_number_-1.0..json
n_number_-2..json
n_number_.2e-3.json
n_number_0.1.2.json
n_number_0.3e+.json
n_number_0.3e.json
n_number_0.el.json
```

```
[123.456e-789]
 [-le+9999]
[1.5e+9999]
 [-123123e100000]
 [123123e100000]
 [123e-10000000]
  -1231231231231231231231231231231
  [10000000000000000000000]
  -2374623746732768942798327498324234(...)
  {"\uDFAA":0}
 ["\uDADA"]
 ["\uD888\u1234"]
 <u>FFFE[00"00E900"00]00</u> <=> [""]
  "<u>E697A5D188FA</u>"] <=> ["日ш"]
  "<u>EDA080</u>"] <=> [""]
  "\uD800\n"]
  "\uDd1ea"]
  "\uD800\uD800\n"]
  "\ud800"]
  "\ud800abc"]
  "FF"] <=> [""]
  "\uDd1e\uD834"]
  "E9"1 <=> [""1
  "\uDFAA"]
  "<u>81</u>"] <=> [""]
  "<u>F4BFBFBF</u>"] <=> [""]
  "<u>COAF</u>"] <=> [""]
  "<u>FC83BFBFBFBF</u>"] <=> [""]
  "<u>FC8080808080</u>"] <=> [""]
  "<u>E0FF</u>"] <=> [""]
 <u>00[00"00E900"00</u>] <=> [""]
 [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
 <u>EFBBBF</u>{} <=> {}
 [""],
 ["x"]]
 [<u>FF</u>] <=> []
 123<u>00</u> <=> 123
 [+1]
 [-01]
[-1.0.]
 [-2.]
[.2e-3]
[0.1.2]
[0.3e+]
[0.3e]
[0.e1]
```

```
n_number_0_capital_E+.json
                                                          [0E+]
                                                          [0E]
n_number_0_capital_E.json
                                                          [0e+]
n_number_0e+.json
                                                          [0e]
n_number_0e.json
                                                          [1.0e+]
n_number_1.0e+.json
n number 1.0e-.json
                                                          [1.0e-]
n_number_1.0e.json
                                                          [1.0e]
                                                          [1eE2]
n_number_1eE2.json
n number 2.e+3.json
                                                          [2.e+3]
n_number_2.e-3.json
                                                          [2.e-3]
n number 2.e3.json
                                                          [2.e3]
n_number_9.e+.json
                                                          [9.e+]
n_number_U+FF11_fullwidth_digit_one.json
                                                          [EFBC91] <=> [1]
n_number_expression.json
                                                          [1+2]
                                                          [0e+-1]
n_number_invalid+-.json
                                                          [123<u>E5</u>] <=> [123]
n_number_invalid-utf-8-in-bigger-int.json
                                                          [1e1<u>E5</u>] <=> [1e1]
n_number_invalid-utf-8-in-exponent.json
n\_number\_neg\_int\_starting\_with\_zero.json
                                                          [-012]
n_number_neg_real_without_int_part.json
                                                          [-.123]
                                                         [1e<u>E5</u>] <=> [1e]
n_number_real_with_invalid_utf8_after_e.json
                                                          [1.]
n_number_real_without_fractional_part.json
n number starting with dot.json
                                                          [.123]
                                                          [012]
n_number_with_leading_zero.json
                                                           {"<u>B9</u>":"0",} <=> {"":"0",}
n_object_pi_in_key_and_trailing_comma.json
n_object_trailing_comment.json
                                                           ["a":"b"}/**/
                                                           {"a":"b"}/**//
n_object_trailing_comment_open.json
n_object_trailing_comment_slash_open.json
                                                          {"a":"b"}//
n_object_trailing_comment_slash_open_incomplete.json
                                                          {"a":"b"}/
n_object_with_trailing_garbage.json
                                                           ["a":"b"}#
                                                           "\00"] <=> ["\"]
n_string_backslash_00.json
n_string_escape_x.json
                                                           "\x00"]
                                                           "\<u>09</u>"] <=> ["\ "]
n_string_escaped_ctrl_char_tab.json
                                                           "\<u>F09F8C80</u>"] <=> ["\[]"]
n_string_escaped_emoji.json
n_string_incomplete_surrogate_escape_invalid.json
                                                           "\uD800\uD800\x"]
n_string_invalid_backslash_esc.json
                                                           "\a"1
                                                           "a<u>00</u>a"] <=> ["aa"]
n_string_unescaped_crtl_char.json
                                                           "new<u>0A</u>line"] <=> ["new line"]
n_string_unescaped_newline.json
n_string_unescaped_tab.json
                                                           "<u>09</u>"] <=> [" "]
                                                           '\UA66D"
n_string_unicode_CapitalU.json
                                                           '"x
n_string_with_trailing_garbage.json
                                                          [1]x
n_structure_array_trailing_garbage.json
n_structure_array_with_extra_array_close.json
                                                          [1]]
                                                          11
n_structure_close_unopened_array.json
n_structure_double_array.json
                                                          [][]
                                                         <u>E5</u> <=>
n_structure_lone-invalid-utf-8.json
                                                          2@
n_structure_number_with_trailing_garbage.json
n_structure_object_followed_by_closing_object.json
                                                          {}}
n_structure_object_with_comment.json
                                                          {"a":/*comment*/"b"}
n_structure_object_with_trailing_garbage.json
                                                         {"a": true} "x"
n_structure_single_eacute.json
                                                         <u>E9</u> <=>
                                                          n_structure_trailing_#.json
                                                          [<u>0C</u>] <=> []
n_structure_whitespace_formfeed.json
y_string_nonCharacterInUTF-8_U+10FFFF.json
                                                         ["<u>F48FBFBF</u>"] <=> ["∏"]
```

Swift Apple JSONSerialization

```
[123.456e-789]
i_number_double_huge_neg_exp.json
                                                    i_number_huge_exp.json
                                                    [-1e+9999]
i_number_neg_int_huge_exp.json
                                                   [1.5e+9999]
i_number_pos_double_huge_exp.json
i\_number\_real\_neg\_overflow.json
                                                    [-123123e100000]
                                                    [123123e100000]
i_number_real_pos_overflow.json
i_number_real_underflow.json
                                                    [123e-10000000]
i_number_too_big_neg_int.json
                                                    [-123123123123123123123123123123]
i_number_too_big_pos_int.json
                                                    [100000000000000000000000]
                                                    [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
```

```
i_object_key_lone_2nd_surrogate.json
                                                          '\uDFAA":0}
                                                         "\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                        ["\uD888\u1234"]
i_string_1st_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
                                                       FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-8_invalid_sequence.json
                                                        ["E697A5D188FA"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                         "<u>EDA080</u>"] <=> [""]
i_string_incomplete_surrogate_and_escape_valid.json
                                                        ["\uD800\n"]
i_string_incomplete_surrogate_pair.json
                                                        ["\uDd1ea"]
                                                        "\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
                                                        ["\ud800"]
i_string_invalid_lonely_surrogate.json
                                                         "\ud800abc"]
i_string_invalid_surrogate.json
i_string_invalid_utf-8.json
                                                        ["<u>FF</u>"] <=> [""]
                                                        ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
i_string_iso_latin_1.json
                                                         "E9"] <=> [""]
                                                        ["\uDFAA"]
i_string_lone_second_surrogate.json
                                                         "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                        ["<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                         "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                         "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                        ["<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                        ["E0FF"] <=> [""]
i_string_truncated-utf-8.json
                                                      00[00"00E900"00] <=> [""]
i string utf16BE no BOM.json
                                                        [<u>00"00E900"00]00</u> <=> [""]
i_string_utf16LE_no_BOM.json
                                                        (...)
i_structure_500_nested_arrays.json
                                                       <u>EFBBBF</u>{} <=> {}
i_structure_UTF-8_BOM_empty_object.json
                                                        ["",]
n_array_extra_comma.json
n_array_number_and_comma.json
                                                      [1,]
                                                     {"id":0,}
n\_object\_trailing\_comma.json
```

Swift Freddy 2.1.0

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                        i_number_neg_int_huge_exp.json
                                                        [-1e+9999]
i\_number\_pos\_double\_huge\_exp.json
                                                        [1.5e+9999]
                                                        [-123123e100000]
i_number_real_neg_overflow.json
                                                        [123123e100000]
i_number_real_pos_overflow.json
                                                        [123e-100000001
i_number_real_underflow.json
                                                        [-123123123123123123123123123123]
i_number_too_big_neg_int.json
i_number_too_big_pos_int.json
                                                        [100000000000000000000000]
                                                        [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
i_object_key_lone_2nd_surrogate.json
                                                        {"\uDFAA":0}
                                                        ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                        "\uD888\u1234"]
i_string_lst_valid_surrogate_2nd_invalid.json
i_string_UTF-16LE_with_BOM.json
                                                        FFFE[00"00E900"00]00 <=> [""]
                                                        ["<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF-8_invalid_sequence.json
i_string_UTF8_surrogate_U+D800.json
                                                         "EDA080"] <=> [""]
                                                        ["\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
i_string_incomplete_surrogate_pair.json
                                                        ["\uDd1ea"]
                                                        "\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
\verb"i_string_invalid_lonely_surrogate.json"
                                                        "\ud800"]
                                                        "\ud800abc"]
i_string_invalid_surrogate.json
                                                         "FF"] <=> [""]
i_string_invalid_utf-8.json
                                                         "\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
i_string_iso_latin_1.json
                                                         "E9"] <=> [""]
                                                         "\uDFAA"]
i_string_lone_second_surrogate.json
                                                         "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
i_string_not_in_unicode_range.json
                                                         "<u>F4BFBFBF</u>"] <=> [""]
                                                         "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                         "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                         "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
i_string_truncated-utf-8.json
                                                         "E0FF"] <=> [""]
                                                       <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                        [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_string_utf16LE_no_BOM.json
                                                        (...)
i_structure_500_nested_arrays.json
i_structure_UTF-8_BOM_empty_object.json
                                                     EFBBBF{} <=> {}
```

```
n_array_newlines_unclosed.json
                                                          ["a", 0A40A, 1, <=> ["a", 4, 1,
                                                          [1,
n_array_unclosed_trailing_comma.json
                                                          {"a":
n_object_missing_value.json
n_single_space.json
n_string_start_escape_unclosed.json
n string unescaped crtl char.json
                                                          ["a<u>00</u>a"] <=> ["aa"]
n_string_unescaped_newline.json
                                                          ["new<u>OA</u>line"] <=> ["new line"]
                                                          ["<u>09</u>"] <=> [" "]
n_string_unescaped_tab.json
n_structure_object_unclosed_no_value.json
                                                          [0e+1]
y_number_0e+1.json
y_number_0e1.json
                                                          [0e1]
```

Swift Freddy 20160830

```
[123.456e-789]
i_number_double_huge_neg_exp.json
                                                         i_number_huge_exp.json
i_number_neg_int_huge_exp.json
                                                         [-1e+99991
                                                      [1.5e+9999]
i_number_pos_double_huge_exp.json
i_number_real_neg_overflow.json
                                                        [-123123e100000]
                                                         [123123e1000001
i_number_real_pos_overflow.json
i_number_real_underflow.json
                                                         [123e-10000000]
                                                         [-123123123123123123123123123123]
i_number_too_big_neg_int.json
                                                         [10000000000000000000000]
i_number_too_big_pos_int.json
                                                         [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
                                                         {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                         ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
i_string_1st_valid_surrogate_2nd_invalid.json
                                                         ["\uD888\u1234"]
i_string_UTF-16LE_with_BOM.json
                                                        FFFE[00"00E900"00]00 <=> [""]
                                                          "<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF-8_invalid_sequence.json
i\_string\_UTF8\_surrogate\_U+D800.json
                                                         "<u>EDA080</u>"] <=> [""]
                                                          "\uD800\n"1
i_string_incomplete_surrogate_and_escape_valid.json
                                                         ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
i_string_incomplete_surrogates_escape_valid.json
                                                         "\uD800\uD800\n"]
i_string_invalid_lonely_surrogate.json
                                                         ["\ud800"]
i_string_invalid_surrogate.json
                                                         "\ud800abc"]
                                                          "<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
i_string_inverted_surrogates_U+1D11E.json
                                                          "\uDd1e\uD834"]
                                                          "<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
i_string_lone_second_surrogate.json
                                                          "\uDFAA"]
                                                          "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
i_string_not_in_unicode_range.json
                                                          "<u>F4BFBFBF</u>"] <=> [""]
                                                          "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                          "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                          "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
i_string_truncated-utf-8.json
                                                          "E0FF"] <=> [""]
                                                        <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                         [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_string_utf16LE_no_BOM.json
i_structure_500_nested_arrays.json
                                                        (\dots)
                                                        <u>EFBBBF</u>{} <=> {}
i_structure_UTF-8_BOM_empty_object.json
n_string_start_escape_unclosed.json
n_string_unescaped_crtl_char.json
                                                         ["a<u>00</u>a"] <=> ["aa"]
n_string_unescaped_newline.json
                                                         ["new<u>OA</u>line"] <=> ["new line"]
                                                         ["<u>09</u>"] <=> [" "]
n_string_unescaped_tab.json
                                                         [0e+1]
y_number_0e+1.json
y_number_0e1.json
                                                         [0e1]
```

Swift Freddy 20161018

```
i_number_too_big_neg_int.json
                                                        -1231231231231231231231231231
i_number_too_big_pos_int.json
                                                        [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
                                                        {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                        ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                        ["\uD888\u1234"]
i string 1st valid surrogate 2nd invalid.json
i_string_UTF-16LE_with_BOM.json
                                                       FFFE[00"00E900"00]00 <=> [""]
i string UTF-8 invalid sequence.json
                                                        ["E697A5D188FA"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                        ["EDA080"] <=> [""]
                                                        ["\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
                                                        ["\uDd1ea"]
i_string_incomplete_surrogate_pair.json
                                                        "\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
                                                        ["\ud800"]
i_string_invalid_lonely_surrogate.json
                                                        ["\ud800abc"]
i_string_invalid_surrogate.json
                                                        ["<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
                                                        ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                        ["<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                        ["\uDFAA"]
i_string_lone_second_surrogate.json
                                                        "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
i_string_not_in_unicode_range.json
                                                        ["<u>F4BFBFBF</u>"] <=> [""]
                                                         "COAF"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                         "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                        "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                        ["E0FF"] <=> [""]
i_string_truncated-utf-8.json
i string utf16BE no BOM.json
                                                       <u>00[00"00E900"00</u>] <=> [""]
                                                        [<u>00"00E900"00]00</u> <=> [""]
i_string_utf16LE_no_BOM.json
i_structure_500_nested_arrays.json
                                                        (\dots)
i_structure_UTF-8_BOM_empty_object.json
                                                      <u>EFBBBF</u>{} <=> {}
n_string_start_escape_unclosed.json
                                                        ["a<u>00</u>a"] <=> ["aa"]
n_string_unescaped_crtl_char.json
n_string_unescaped_newline.json
                                                        ["new<u>OA</u>line"] <=> ["new line"]
                                                     ["<u>09</u>"] <=> [" "]
n_string_unescaped_tab.json
```

Swift Freddy 20170118

```
123.456e-7891
i_number_double_huge_neg_exp.json
                                                         i_number_huge_exp.json
                                                         [-1e+9999]
i_number_neg_int_huge_exp.json
                                                         [1.5e+9999]
i_number_pos_double_huge_exp.json
                                                         [-123123e100000]
i_number_real_neg_overflow.json
i_number_real_pos_overflow.json
                                                         [123123e100000]
                                                         [123e-100000001
i_number_real_underflow.json
i_number_too_big_neg_int.json
                                                         [-123123123123123123123123123123]
                                                         [10000000000000000000000]
i_number_too_big_pos_int.json
i_number_very_big_negative_int.json
                                                         [-2374623746732768942798327498324234(...)
                                                         "\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
                                                         ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
i_string_1st_valid_surrogate_2nd_invalid.json
                                                         ["\uD888\u1234"]
i_string_UTF-16LE_with_BOM.json
                                                        <u>FFFE[00"00E900"00]00</u> <=> [""]
                                                         ["<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF-8_invalid_sequence.json
i_string_UTF8_surrogate_U+D800.json
                                                         "<u>EDA080</u>"] <=> [""]
                                                         ["\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
i\_string\_incomplete\_surrogate\_pair.json
                                                         ["\uDd1ea"]
i_string_incomplete_surrogates_escape_valid.json
                                                         ["\uD800\uD800\n"]
                                                         ["\ud800"]
i_string_invalid_lonely_surrogate.json
                                                         ["\ud800abc"]
i_string_invalid_surrogate.json
                                                         ["<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
                                                         ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                         ["<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                         ["\uDFAA"]
i_string_lone_second_surrogate.json
i_string_lone_utf8_continuation_byte.json
                                                         ["<u>81</u>"] <=> [""]
                                                         ["<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                         "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                         "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                         ["<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
i_string_truncated-utf-8.json
                                                         ["<u>E0FF</u>"] <=> [""]
```

Swift PMJSON 1.1.0

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                       i_number_neg_int_huge_exp.json
i_number_pos_double_huge_exp.json
                                                    [1.5e+9999]
i_number_real_neg_overflow.json
                                                     [-123123e100000]
                                                    [123123e100000]
i_number_real_pos_overflow.json
                                                      [123e-100000001
i_number_real_underflow.json
                                                      [-123123123123123123123123123123]
i_number_too_big_neg_int.json
i_number_too_big_pos_int.json
                                                      [10000000000000000000000]
                                                      [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
i_object_key_lone_2nd_surrogate.json
                                                      {"\uDFAA":0}
i_string_1st_surrogate_but_2nd_missing.json
                                                       ["\uDADA"]
i_string_1st_valid_surrogate_2nd_invalid.json
                                                       ["\uD888\u1234"]
i_string_UTF-16LE_with_BOM.json
                                                      FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-8_invalid_sequence.json
                                                       ["<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                       ["EDA080"] <=> [""]
i_string_incomplete_surrogate_and_escape_valid.json
                                                      ["\uD800\n"]
                                                      ["\uDdlea"]
i_string_incomplete_surrogate_pair.json
                                                       ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
\verb"i_string_invalid_lonely_surrogate.json"
                                                       ["\ud800"]
                                                       "\ud800abc"]
i_string_invalid_surrogate.json
                                                       "FF"] <=> [""]
i_string_invalid_utf-8.json
i_string_inverted_surrogates_U+1D11E.json
                                                       "\uDd1e\uD834"1
i_string_iso_latin_1.json
                                                       "<u>E9</u>"] <=> [""]
\verb|i_string_lone_second_surrogate.json|\\
                                                       "\uDFAA"]
                                                       "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                       "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                        "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                       "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                       "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
i\_string\_truncated-utf-8.json
                                                       "E0FF"] <=> [""]
                                                      <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
                                                      [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_string_utf16LE_no_BOM.json
                                                      (...)
i_structure_500_nested_arrays.json
i_structure_UTF-8_BOM_empty_object.json
                                                      EFBBBF{} <=> {}
                                                       [-01]
n_number_-01.json
                                                      [-012]
n_number_neg_int_starting_with_zero.json
n_number_neg_real_without_int_part.json
                                                    [-.123]
                                                      [012]
n_number_with_leading_zero.json
                                                      (...)
n_structure_100000_opening_arrays.json
n\_structure\_open\_array\_object.json
                                                      y number 0e+1.json
                                                       [0e+1]
{\tt y\_number\_real\_capital\_e\_neg\_exp.json}
                                                       [1E-2]
                                                       [1E+2]
y_number_real_capital_e_pos_exp.json
y_number_real_neg_exp.json
                                                      [1e-2]
y_number_real_pos_exponent.json
                                                      [1e+2]
```

Swift PMJSON 1.2.0

```
i_number_real_underflow.json
                                                         [123e-10000000]
                                                         [-123123123123123123123123123123]
i_number_too_big_neg_int.json
                                                         i_number_too_big_pos_int.json
                                                         [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
                                                         {"\uDFAA":0}
i_object_key_lone_2nd_surrogate.json
i string 1st surrogate but 2nd missing.json
                                                         ["\uDADA"]
i_string_1st_valid_surrogate_2nd_invalid.json
                                                         ["\uD888\u1234"]
                                                         FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-16LE_with_BOM.json
i_string_UTF-8_invalid_sequence.json
                                                         ["E697A5D188FA"] <=> ["日ш"]
i_string_UTF8_surrogate_U+D800.json
                                                         ["<u>EDA080</u>"] <=> [""]
                                                         ["\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
i_string_incomplete_surrogate_pair.json
                                                         ["\uDdlea"]
                                                         ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
                                                         ["\ud800"]
i_string_invalid_lonely_surrogate.json
                                                         ["\ud800abc"]
i_string_invalid_surrogate.json
                                                         ["<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
                                                         ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                         ["E9"] <=> [""]
i_string_iso_latin_1.json
                                                         ["\uDFAA"]
i_string_lone_second_surrogate.json
i_string_lone_utf8_continuation_byte.json
                                                         ["<u>81</u>"] <=> [""]
                                                         ["<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                          "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                          "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                          "<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
i string truncated-utf-8.json
                                                          "<u>E0FF</u>"] <=> [""]
                                                         00[00"00E900"00] <=> [""]
i_string_utf16BE_no_BOM.json
\verb|i_string_utf16LE_no_B0M.json||
                                                         [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_structure_500_nested_arrays.json
                                                         (\dots)
\verb|i_structure_UTF-8_BOM_empty_object.json|
                                                       <u>EFBBBF</u>{} <=> {}
```

Swift PMJSON 1.2.1

```
i_number_double_huge_neg_exp.json
                                                       123.456e-7891
i_number_huge_exp.json
                                                       [-1e+9999]
i_number_neg_int_huge_exp.json
                                                       [1.5e+9999]
i_number_pos_double_huge_exp.json
                                                       [-123123e100000]
i_number_real_neg_overflow.json
                                                       [123123e100000]
i_number_real_pos_overflow.json
                                                       [123e-100000001
i_number_real_underflow.json
                                                       [-123123123123123123123123123123]
i_number_too_big_neg_int.json
                                                       i_number_too_big_pos_int.json
                                                       [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
i_object_key_lone_2nd_surrogate.json
                                                       {"\uDFAA":0}
                                                       ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                       ["\uD888\u1234"]
i_string_1st_valid_surrogate_2nd_invalid.json
                                                       FFFE[00"00E900"00]00 <=> [""]
i_string_UTF-16LE_with_BOM.json
i_string_UTF-8_invalid_sequence.json
                                                       ["<u>E697A5D188FA</u>"] <=> ["日ш"]
                                                        "EDA080"] <=> [""]
i_string_UTF8_surrogate_U+D800.json
                                                       ["\uD800\n"]
i_string_incomplete_surrogate_and_escape_valid.json
i_string_incomplete_surrogate_pair.json
                                                       ["\uDd1ea"]
                                                       "\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
                                                       ["\ud800"]
i_string_invalid_lonely_surrogate.json
i_string_invalid_surrogate.json
                                                       ["\ud800abc"]
i_string_invalid_utf-8.json
                                                       ["<u>FF</u>"] <=> [""]
                                                       ["\uDd1e\uD834"]
i_string_inverted_surrogates_U+1D11E.json
                                                       ["<u>E9</u>"] <=> [""]
i_string_iso_latin_1.json
                                                       ["\uDFAA"]
i_string_lone_second_surrogate.json
                                                       ["<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                       ["<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                       "<u>COAF</u>"] <=> [""]
i_string_overlong_sequence_2_bytes.json
                                                        "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes.json
                                                       ["<u>FC8080808080</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
i string truncated-utf-8.json
                                                       ["<u>E0FF</u>"] <=> [""]
                                                     00[00"00E900"00] <=> [""]
i_string_utf16BE_no_BOM.json
                                                       [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_string_utf16LE_no_BOM.json
i_structure_500_nested_arrays.json
```

```
i_structure_UTF-8_BOM_empty_object.json
```

Swift STJSON

```
[123.456e-789]
i_number_double_huge_neg_exp.json
i_number_huge_exp.json
                                                        [-1e+9999]
i_number_neg_int_huge_exp.json
i number pos double huge exp.json
                                                      [1.5e+9999]
                                                       [-123123e100000]
i_number_real_neg_overflow.json
i_number_real_pos_overflow.json
                                                       [123123e100000]
i_number_real_underflow.json
                                                       [123e-10000000]
                                                       [-123123123123123123123123123]
i_number_too_big_neg_int.json
i_number_too_big_pos_int.json
                                                       [10000000000000000000000]
i number very big negative int.json
                                                        [-2374623746732768942798327498324234(...)
i_object_key_lone_2nd_surrogate.json
                                                       {"\uDFAA":0}
                                                       ["\uDADA"]
i_string_1st_surrogate_but_2nd_missing.json
                                                        ["\uD888\u1234"]
i string 1st valid surrogate 2nd invalid.json
i_string_UTF-16LE_with_BOM.json
                                                       FFFE[00"00E900"00]00 <=> [""]
                                                        ["<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF-8_invalid_sequence.json
i_string_UTF8_surrogate_U+D800.json
                                                        ["EDA080"] <=> [""]
i string incomplete surrogate and escape valid.json
                                                        ["\uD800\n"]
                                                        ["\uDdlea"]
i_string_incomplete_surrogate_pair.json
                                                        ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
i_string_invalid_lonely_surrogate.json
                                                        ["\ud800"]
i_string_invalid_surrogate.json
                                                        ["\ud800abc"]
i_string_invalid_utf-8.json
                                                        "FF"] <=> [""]
i_string_inverted_surrogates_U+1D11E.json
                                                        ["\uDd1e\uD834"]
i_string_iso_latin_1.json
                                                        "<u>E9</u>"] <=> [""]
                                                        "\uDFAA"]
i_string_lone_second_surrogate.json
\verb|i_string_lone_utf8_continuation_byte.json|\\
                                                        "<u>81</u>"] <=> [""]
                                                         "<u>F4BFBFBF</u>"] <=> [""]
i_string_not_in_unicode_range.json
                                                         'COAF"] <=> [""]
i_string_overlong_sequence_2_bytes.json
i_string_overlong_sequence_6_bytes.json
                                                         "<u>FC83BFBFBFBF</u>"] <=> [""]
i_string_overlong_sequence_6_bytes_null.json
                                                         "<u>FC8080808080</u>"] <=> [""]
                                                         'E0FF"] <=> [""]
i\_string\_truncated-utf-8.json
                                                       <u>00[00"00E900"00</u>] <=> [""]
i_string_utf16BE_no_BOM.json
i_string_utf16LE_no_BOM.json
                                                        [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i_structure_500_nested_arrays.json
                                                        i_structure_UTF-8_BOM_empty_object.json
                                                      <u>EFBBBF</u>{} <=> {}
```

EFBBBF{} <=> {}

Xidel Internet Tools

```
[123.456e-789]
i_number_double_huge_neg_exp.json
                                                      i_number_huge_exp.json
                                                       [-1e+99991
i_number_neg_int_huge_exp.json
                                                      [1.5e+9999]
i_number_pos_double_huge_exp.json
i_number_real_neg_overflow.json
                                                      [-123123e100000]
                                                      [123123e100000]
i_number_real_pos_overflow.json
                                                      [123e-10000000]
i_number_real_underflow.json
i_number_too_big_neg_int.json
                                                       [-123123123123123123123123123123]
i_number_too_big_pos_int.json
                                                       [100000000000000000000000]
                                                       [-2374623746732768942798327498324234(...)
i_number_very_big_negative_int.json
i_object_key_lone_2nd_surrogate.json
                                                     {"\uDFAA":0}
i_string_1st_surrogate_but_2nd_missing.json
                                                      ["\uDADA"]
i_string_1st_valid_surrogate_2nd_invalid.json
                                                      ["\uD888\u1234"]
i_string_UTF-16LE_with_BOM.json
                                                      FFFE[00"00E900"00]00 <=> [""]
                                                       ["<u>E697A5D188FA</u>"] <=> ["日ш"]
i_string_UTF-8_invalid_sequence.json
                                                       ["<u>EDA080</u>"] <=> [""]
i_string_UTF8_surrogate_U+D800.json
i_string_incomplete_surrogate_and_escape_valid.json
                                                       ["\uD800\n"]
i_string_incomplete_surrogate_pair.json
                                                       ["\uDdlea"]
                                                      ["\uD800\uD800\n"]
i_string_incomplete_surrogates_escape_valid.json
i_string_invalid_lonely_surrogate.json
                                                       ["\ud800"]
                                                      ["\ud800abc"]
i_string_invalid_surrogate.json
                                                       ["<u>FF</u>"] <=> [""]
i_string_invalid_utf-8.json
i_string_inverted_surrogates_U+1D11E.json
                                                      ["\uDd1e\uD834"]
```

JSON Parsing Tests

```
i string iso latin 1.json
                                                        "<u>E9</u>"] <=> [""]
i string lone second surrogate.json
                                                        "\uDFAA"]
                                                        "<u>81</u>"] <=> [""]
i_string_lone_utf8_continuation_byte.json
                                                        "<u>F4BFBFBF</u>"] <=> [""]
i string not in unicode range.json
                                                        "<u>COAF</u>"] <=> [""]
i string overlong sequence 2 bytes.json
                                                        ["FC83BFBFBFBF"] <=> [""]
i string overlong sequence 6 bytes.json
i_string_overlong_sequence_6_bytes_null.json
                                                       ["<u>FC8080808080</u>"] <=> [""]
                                                       ["<u>E0FF</u>"] <=> [""]
i string truncated-utf-8.json
i_string_utf16BE_no_BOM.json
                                                    00[00"00E900"00] <=> [""]
i string utf16LE no BOM.json
                                                       [<u>00</u>"<u>00E900</u>"<u>00</u>]<u>00</u> <=> [""]
i structure 500 nested arrays.json
                                                      i_structure_UTF-8_BOM_empty_object.json
                                                      EFBBBF{} <=> {}
n_multidigit_number_then_00.json
                                                       123<u>00</u> <=> 123
n number -01.json
                                                    [-01]
n_number_.2e-3.json
                                                    [.2e-3]
                                                    [0.3e+]
n_number_0.3e+.json
                                                    [0.e1]
n_number_0.el.json
                                                    [0E+]
n_number_0_capital_E+.json
                                                      [0E]
n_number_0_capital_E.json
n_number_0e+.json
                                                    [0e+]
n_number_0e.json
                                                      [0e]
n_number_1.0e+.json
                                                    [1.0e+]
                                                    [1.0e-]
n_number_1.0e-.json
                                                    [2.e+3]
n_number_2.e+3.json
                                                    [2.e-3]
n_number_2.e-3.json
                                                    [2.e3]
n_number_2.e3.json
                                                    [9.e+]
n_number_9.e+.json
                                                    [-012]
n_number_neg_int_starting_with_zero.json
                                                    [-.123]
n_number_neg_real_without_int_part.json
                                                     [.123]
n number starting with dot.json
                                                       [012]
n_number_with_leading_zero.json
                                                       {'a':0}
n_object_single_quote.json
n_single_space.json
n_string_single_quote.json
                                                       ['single quote']
                                                       ["<u>09</u>"] <=> [" "]
n_string_unescaped_tab.json
n structure capitalized True.json
                                                       [True]
n_structure_no_data.json
```

26.6.2017