	(1516)lodash-es/isEqual	(4028)dequal	(6446)dequal/lite	(7655)fast-deep-equal	(4202)fast-deep-equal/es6	(7102)fast-equals	(2593)nano-equal	(533)deep-equal
scalars	(315) 17/17	(190) 17/17	(1443) 17/17	(1622) 17/17	(199) 17/17	(1668) 17/17	(159) 17/17	(251) 14/17
equal numbers	179.2m	185.5m	850.4m	815.3m	158.0m	836.6m	148.2m	175.5m
not equal numbers	176.8m	32.5m	39.1m	812.9m	86.9m	898.9m	53.7m	169.2m
number and array are not equal	29.7m	80.8m	839.9m	837.8m	82.2m	827.7m	41.3m	35.5m
0 and null are not equal	178.7m	106.4m	782.5m	897.5m	112.2m	858.1m	54.2m	169.3m
equal strings	179.5m	126.8m	829.2m	857.5m	131.8m	874.5m	122.3m	172.9m
not equal strings	173.9m	47.7m	841.8m	861.8m	55.4m	832.1m	41.1m	169.4m
empty string and null are not equal	179.5m	88.3m	766.9m	853.7m	88.6m	871.8m	45.3m	169.4m
null is equal to null	181.6m	136.2m	840.6m	825.5m	138.3m	855.0m	132.6m	173.8m
equal booleans (true)	179.2m	134.2m	778.5m	801.7m	135.7m	888.7m	127.9m	172.8m
equal booleans (false)	178.6m	134.8m	804.3m	811.8m	136.7m	885.2m	125.7m	176.5m
not equal booleans	172.4m	78.2m	837.5m	800.4m	78.8m	834.3m	49.1m	169.4m
1 and true are not equal	173.2m	79.1m	853.8m	828.5m	82.6m	838.6m	57.4m	failed
0 and false are not equal	174.4m	108.7m	788.9m	814.5m	109.1m	796.1m	55.9m	failed
NaN and NaN are equal	175.7m	79.4m	856.6m	777.4m	82.2m	746.1m	108.1m	failed
0 and -0 are equal	179.0m	115.4m	794.5m	813.6m	111.3m	857.4m	109.1m	174.7m
Infinity and Infinity are equal	178.3m	126.6m	827.7m	801.2m	132.6m	830.0m	128.5m	174.6m
Infinity and -Infinity are not equal	86.8m	36.9m	104.9m	810.1m	65.0m	856.0m	52.1m	170.2m
objects	(481) 18/19	(929) 18/19	(1344) 18/19	(1731) 19/19	(870) 19/19	(1577) 18/19	(631) 18/19	(67) 17/19
empty objects are equal	2.0m	24.7m	43.6m	18.7m	12.7m	43.9m	12.8m	6.5k
equal objects (same properties "order")	1.7m	6.0m	6.8m	9.4m	5.7m	9.1m	4.4m	6.5k
equal objects (different properties "order")	1.6m	6.3m	6.9m	9.3m	6.1m	10.0m	4.7m	6.3k
not equal objects (extra property)	2.4m	6.1m	6.8m	39.3m	11.0m	28.1m	10.9m	12.5k
not equal objects (different property values)	1.4m	1.7m	1.7m	10.5m	6.3m	12.9m	3.3m	12.5k
not equal objects (different properties)	2.1m	5.1m	6.0m	23.2m	9.7m	20.8m	4.1m	12.4k
equal objects (same sub-properties)	625.7k	3.9m	4.4m	4.7m	3.2m	4.7m	2.4m	1.9k
not equal objects (different sub-property value)	622.2k	3.7m	4.4m	4.4m	3.2m	4.6m	2.4m	3.9k
not equal objects (different sub-property)	723.0k	5.4m	6.1m	5.6m	3.9m	5.8m	3.1m	4.1k
empty array and empty object are not equal	11.7m	29.3m	42.7m	42.9m	25.3m	45.5m	18.2m	17.1k
object with extra undefined properties are not equal #1	2.3m	18.6m	28.5m	17.3m	11.4m	24.4m	11.1m	12.6k
object with extra undefined properties are not equal #2	2.3m	14.6m	21.5m	28.0m	11.3m	26.0m	11.6m	12.6k
object with extra undefined properties are not equal #3	2.2m	14.1m	23.6m	26.5m	9.6m	22.1m	9.4m	12.5k
nulls are equal	84.7m	58.3m	128.9m	116.5m	67.1m	105.3m	65.9m	86.7m
null and undefined are not equal	82.6m	53.3m	97.4m	96.1m	48.5m	91.7m	32.5m	failed
null and empty object are not equal	94.0m	52.7m	112.6m	111.7m	52.9m	102.0m	20.3m	34.3k
undefined and empty object are not equal	80.5m	49.8m	76.1m	73.2m	48.8m	71.9m	19.7m	34.7k
objects with different `toString` functions returning same values are equal	failed	failed	failed	103.2m	12.4m	failed	failed	failed
objects with `toString` functions returning different values are not equal	1.4m	7.9m	10.0m	105.7m	11.7m	12.9m	6.1m	12.6k
arrays	(131) 7/7	(447) 7/7	(557) 7/7	(687) 7/7	(445) 7/7	(617) 7/7	(209) 6/7	7/7
two empty arrays are equal	5.3m	26.9m	38.2m	42.6m	22.1m	31.9m	17.3m	6.0k
equal arrays	4.7m	15.6m	17.9m	19.5m	14.3m	19.5m	5.1m	6.2k
not equal arrays (different item)	4.3m	2.6m	2.6m	27.2m	18.2m	24.3m	5.1m	12.3k
not equal arrays (different length)	15.5m	27.9m	36.6m	41.9m	21.9m	35.4m	19.8m	12.2k
equal arrays of objects	640.2k	3.8m	3.9m	3.9m	3.4m	4.2m	2.1m	2.0k
not equal arrays of objects	631.1k	6.0m	6.3m	6.6m	5.6m	6.8m	2.1m	6.3k
pseudo array and equivalent array are not equal	11.5m	29.9m	57.4m	59.7m	25.5m	42.3m	failed	16.9k
Date objects	(23) 4/4	(135) 4/4	(374) 4/4	(331) 4/4	(102) 4/4	(341) 4/4	(61) 4/4	4/4
equal date objects	3.3m	27.1m	84.4m	53.4m	12.6m	70.1m	8.7m	7.1k
not equal date objects	3.3m	27.6m	85.9m	63.9m	12.5m	62.2m	8.8m	17.1k
date and string are not equal	6.8m	26.9m	85.6m	113.7m	37.4m	115.3m	19.8m	34.6k
date and object are not equal	7.3m	28.5m	58.2m	56.0m	25.0m	50.2m	14.4m	17.2k
RegExp objects	(37) 5/5	(124) 5/5	(174) 5/5	(495) 5/5	(293) 5/5	(398) 5/5	(148) 4/5	5/5
equal RegExp objects	992.5k	1.6m	1.5m	15.2m	10.5m	9.8m	failed	6.1k
not equal RegExp objects (different pattern)	1.0m	1.6m	1.6m	25.2m	14.8m	20.4m	8.7m	16.5k
not equal RegExp objects (different flags)	979.4k	1.5m	1.4m	14.3m	10.1m	13.7m	8.9m	16.1k
RegExp and string are not equal	6.6m	27.9m	54.8m	107.7m	36.2m	111.0m	20.3m	34.1k
RegExp and object are not equal	7.0m	29.0m	39.7m	39.2m	25.6m	23.4m	14.0m	17.4k
functions	(156) 2/2	(77) 2/2	(126) 2/2	(196) 2/2	(86) 2/2	(181) 2/2	(79) 2/2	(74) 2/2
same function is equal	93.4m	66.6m	113.2m	119.0m	60.1m	97.3m	59.0m	78.9m
different functions are not equal	91.4m	26.3m	37.2m	112.1m	43.1m	116.5m	36.1m	10.4m
bigint	(179) 2/2	(121) 2/2	(157) 2/2	(200) 2/2	(150) 2/2	(193) 2/2	(139) 2/2	(141) 2/2
equal bigints	44.3m	39.7m	42.6m	48.7m	40.6m	46.5m	40.4m	44.1m
not equal bigints	44.0m	19.8m	34.6m	49.0m	33.2m	31.6m	28.2m	25.2m
Map	(174) 17/19	(830) 17/19	(972) 11/19	(961) 11/19	(778) 19/19	(1039) 17/19	(616) 14/19	17/19
empty maps are equal	43.9k	25.4m	36.6m	33.6m	13.4m	59.5m	failed	8.3k
empty maps of different class are not equal	failed	28.8m	88.7m	97.2m	26.1m	failed	9.0m	failed
equal maps (same key "order")	39.9k	11.1m	38.5m	33.7m	6.5m	5.9m	failed	8.3k
not equal maps (same key "order" - instances of different classes)	failed	28.0m	93.5m	102.6m	25.4m	failed	8.9m	failed
equal maps (different key "order")	39.5k	11.0m	36.2m	33.4m	6.7m	6.0m	failed	8.3k
equal maps (different key "order" - instances of the same subclass)	39.1k	17.5m	36.7m	36.4m	6.4m	6.1m	failed	8.1k
not equal maps (extra key)	45.4k	27.4m	failed	failed	21.5m	49.1m	8.7m	8.3k
not equal maps (different key value)	38.6k	2.0m	failed	failed	4.9m	3.4m	8.8m	8.3k
not equal maps (different keys)	39.5k	8.2m	failed	failed	8.2m	3.5m	8.8m	8.2k
equal maps (same sub-keys)	18.8k	7.0m	36.5m	34.1m	3.6m	3.6m	failed	2.1k
not equal maps (different sub-key value)	18.9k	6.1m	failed	failed	3.6m	3.4m	8.9m	2.6k
not equal maps (different sub-key)	19.2k	6.9m	failed	failed	4.7m	3.5m	6.7m	2.7k
empty map and empty object are not equal	93.6k	29.2m	52.1m	52.2m	25.5m	27.5m	14.3m	14.7k
map with extra undefined key is not equal #1	46.4k	27.6m	failed	failed	20.4m	42.6m	8.8m	8.2k
map with extra undefined key is not equal #2	45.8k	27.4m	failed	failed	20.9m	51.5m	8.9m	8.3k
maps with extra undefined keys are not equal #3	43.3k	failed	failed	failed	12.7m	11.4m	8.8m	8.4k
null and empty map are not equal	91.7m	51.7m	113.3m	123.1m	53.0m	108.3m	20.7m	26.0k
undefined and empty map are not equal	90.0m	51.2m	76.9m	74.2m	49.0m	82.1m	20.5m	26.3k
map and a pseudo map are not equal	91.4k	failed	35.8m	34.0m	11.0m	65.2m	9.2m	14.9k
Sets	12/15	(622) 13/15	(914) 10/15	(880) 10/15	(560) 15/15	(698) 12/15	(316) 10/15	12/15
empty sets are equal	43.9k	24.2m	35.5m	33.1m	13.8m	55.3m	failed	7.2k
empty sets of different class are not equal	failed	28.9m	91.8m	91.1m	26.2m	failed	8.8m	failed
equal sets (same value "order")	42.9k	14.3m	34.9m	33.3m	9.0m	6.3m	failed	7.1k
not equal sets (same value "order" - instances of different classes)	failed	29.2m	95.5m	97.5m	26.5m	failed	8.8m	failed
equal sets (different value "order")	43.0k	14.5m	37.2m	33.2m	9.0m	6.4m	failed	7.2k
equal sets (different value "order" - instances of the same subclass)	41.6k	18.0m	39.8m	37.2m	8.4m	6.3m	failed	7.0k
not equal sets (extra value)	45.2k	26.2m	failed	failed	17.8m	46.9m	8.5m	7.2k
not equal sets (different values)	43.2k	11.6m	failed	failed	7.7m	3.5m	8.8m	7.1k
not equal sets (different instances of objects)	failed	failed	failed	failed	9.4m	failed	8.9m	failed
equal sets (same instances of objects)	43.3k	8.5m	36.8m	33.4m	9.0m	6.3m	failed	7.1k
empty set and empty object are not equal	91.0k	28.6m	57.1m	57.2m	25.0m	19.7m	14.5m	14.8k
empty set and empty array are not equal	92.1k	29.4m	58.9m	59.1m	25.7m	40.6m	18.3m	14.5k
set with extra undefined value is not equal #1	45.4k	25.8m	failed	failed	18.1m	44.4m	8.8m	7.2k
set with extra undefined value is not equal #2	45.5k	26.0m	failed	failed	17.0m	42.3m	8.9m	7.2k

	(1516)lodash-es/isEqual	(4028)dequal	(6446)dequal/lite	(7655)fast-deep-equal	(4202)fast-deep-equal/es6	(7102)fast-equals	(2593)nano-equal	(533)deep-equal
set and pseudo set are not equal	90.7k	failed	35.1m	35.2m	11.1m	63.0m	9.2m	14.8k
Typed arrays	(1) 8/9	(483) 9/9	(317) 9/9	(467) 9/9	(639) 9/9	(290) 7/9	(187) 6/9	9/9
two empty arrays of the same class are equal	27.9k	25.3m	7.3m	10.5m	16.0m	9.0m	8.2m	5.2m
two empty arrays of the different class are not equal	41.5k	28.7m	75.4m	92.7m	25.5m	failed	failed	12.8k
equal arrays	27.3k	9.0m	1.8m	3.2m	7.2m	3.1m	3.0m	5.3m
equal BigUint64Array arrays	failed	1.5m	1.7m	1.9m	6.0m	2.6m	2.6m	5.4m
not equal BigUint64Array arrays	27.5k	1.7m	2.0m	1.9m	10.4m	3.5m	2.6m	10.0k
not equal arrays (same items, different class)	41.4k	29.0m	66.0m	97.0m	25.2m	failed	failed	12.8k
not equal arrays (different item)	27.4k	3.5m	1.1m	3.2m	11.2m	3.8m	3.0m	9.9k
not equal arrays (different length)	27.8k	24.0m	2.6m	3.5m	16.1m	4.9m	6.7m	10.0k
pseudo array and equivalent typed array are not equal	82.3k	2.5m	2.6m	4.7m	3.6m	4.4m	failed	14.7k
sample objects	(19) 1/1	(70) 1/1	(68) 1/1	(85) 1/1	(80) 1/1	(100) 1/1	(48) 1/1	1/1
big object	237.6k	877.7k	858.8k	1.1m	1.0m	1.2m	610.4k	956.6