



RTEMS Test Reports

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TEST REPORTS

1.1 Test Suite - xyz

1.1.1 Test Case - zalloc_auto

In this test case 2 actual test steps were executed. No test step failed. The test case execution time was 0.005080s.

Listing 1: Test Log

```

1 B:zalloc_auto
2 P:0:23:UI1:test-malloc.c:42
3 P:1:23:UI1:test-malloc.c:43
4 E:zalloc_auto:N:2:F:0:D:0.005080

```

1.1.2 Test Case - wrong_step

In this test case 2 actual test steps were executed. A total of 1 test steps failed. The test case execution time was 0.006032s.

Table 1: Test Failures

Step	File	Line	Failure Message
1	test-plan.c	7	planned step (2)

Listing 2: Test Log

```

1 B:wrong_step
2 P:0:23:UI1:test-plan.c:6
3 F:1:23:UI1:test-plan.c:7:planned step (2)
4 E:wrong_step:N:2:F:1:D:0.006032

```

1.1.3 Test Case - verbose

In this test case 2 actual test steps were executed. A total of 1 test steps failed. The test case execution time was 0.004727s.

Table 2: Test Failures

Step	File	Line	Failure Message
1	test.c	58	some test

Listing 3: Test Log

```

1 B:verbose
2 P:0:23:UI1:test.c:57
3 F:1:23:UI1:test.c:58:some test
4 E:verbose:N:2:F:1:D:0.004727

```

1.1.4 Test Case - timer

In this test case 8 actual test steps were executed. No test step failed. The test case execution time was 0.023646s.

Listing 4: Test Log

```
1 B:timer
2 P:0:23:UI1:test-rtems.c:26
3 P:1:23:UI1:test-rtems.c:29
4 P:2:23:UI1:test-rtems.c:33
5 P:3:23:ISR:test-rtems.c:14
6 P:4:23:ISR:test-rtems.c:15
7 P:5:23:UI1:test-rtems.c:38
8 P:6:23:UI1:test-rtems.c:39
9 P:7:23:UI1:test-rtems.c:42
10 E:timer:N:8:F:0:D:0.023646
```

1.1.5 Test Case - time_to_string

In this test case 6 actual test steps were executed. No test step failed. The test case execution time was 0.014121s.

Listing 5: Test Log

```
1 B:time_to_string
2 P:0:23:UI1:test-time.c:11
3 P:1:23:UI1:test-time.c:12
4 P:2:23:UI1:test-time.c:13
5 P:3:23:UI1:test-time.c:14
6 P:4:23:UI1:test-time.c:17
7 P:5:23:UI1:test-time.c:18
8 E:time_to_string:N:6:F:0:D:0.014121
```

1.1.6 Test Case - time

In this test case 40 actual test steps were executed. No test step failed. The test case execution time was 0.097752s.

Listing 6: Test Log

```
1 B:time
2 P:0:23:UI1:test-time.c:51
3 P:1:23:UI1:test-time.c:52
4 P:2:23:UI1:test-time.c:53
5 P:3:23:UI1:test-time.c:54
6 P:4:23:UI1:test-time.c:57
7 P:5:23:UI1:test-time.c:59
8 P:6:23:UI1:test-time.c:60
9 P:7:23:UI1:test-time.c:63
10 P:8:23:UI1:test-time.c:65
11 P:9:23:UI1:test-time.c:66
12 P:10:23:UI1:test-time.c:69
```

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```

13 P:11:23:UI1:test-time.c:71
14 P:12:23:UI1:test-time.c:72
15 P:13:23:UI1:test-time.c:75
16 P:14:23:UI1:test-time.c:77
17 P:15:23:UI1:test-time.c:78
18 P:16:23:UI1:test-time.c:81
19 P:17:23:UI1:test-time.c:83
20 P:18:23:UI1:test-time.c:84
21 P:19:23:UI1:test-time.c:87
22 P:20:23:UI1:test-time.c:89
23 P:21:23:UI1:test-time.c:90
24 P:22:23:UI1:test-time.c:93
25 P:23:23:UI1:test-time.c:95
26 P:24:23:UI1:test-time.c:96
27 P:25:23:UI1:test-time.c:99
28 P:26:23:UI1:test-time.c:101
29 P:27:23:UI1:test-time.c:102
30 P:28:23:UI1:test-time.c:105
31 P:29:23:UI1:test-time.c:107
32 P:30:23:UI1:test-time.c:108
33 P:31:23:UI1:test-time.c:111
34 P:32:23:UI1:test-time.c:113
35 P:33:23:UI1:test-time.c:114
36 P:34:23:UI1:test-time.c:117
37 P:35:23:UI1:test-time.c:119
38 P:36:23:UI1:test-time.c:120
39 P:37:23:UI1:test-time.c:123
40 P:38:23:UI1:test-time.c:125
41 P:39:23:UI1:test-time.c:126
42 E:time:N:40:F:0:D:0.097752

```

1.1.7 Test Case - ticks

In this test case 6 actual test steps were executed. A total of 1 test steps failed. The test case execution time was 0.021422s.

Table 3: Test Failures

Step	File	Line	Failure Message
1	test-time.c	148	0 != 0

Listing 7: Test Log

```

1 B:ticks
2 P:0:23:UI1:test-time.c:147
3 F:1:23:UI1:test-time.c:148:0 != 0
4 L:tick frequency 1500000000Hz
5 L:tick resolution 0ns
6 L:tick digits 9
7 P:2:23:UI1:test-time.c:172
8 P:3:23:UI1:test-time.c:173
9 P:4:23:UI1:test-time.c:174
10 P:5:23:UI1:test-time.c:175
11 E:ticks:N:6:F:1:D:0.021422

```

1.1.8 Test Case - tick

This test case executed no test steps. The test case execution time was 0.001339s.

Listing 8: Test Log

```

1 B:tick
2 L:0.000000027
3 E:tick:N:0:F:0:D:0.001339

```

1.1.9 Test Case - test_true

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.015510s.

Table 4: Test Failures

Step	File	Line	Failure Message
1	test.c	70	a
*	test.c	72	ab 0
3	test.c	74	abc 0
5	test.c	76	abcd 0 1 2

Listing 9: Test Log

```

1 B:test_true
2 P:0:23:UI1:test.c:69
3 F:1:23:UI1:test.c:70:a
4 F*:23:UI1:test.c:72:ab 0
5 P:2:23:UI1:test.c:73
6 F:3:23:UI1:test.c:74:abc 0
7 P:4:23:UI1:test.c:75
8 F:5:23:UI1:test.c:76:abcd 0 1 2
9 E:test_true:N:6:F:4:D:0.015510

```

1.1.10 Test Case - test_psx_success

In this test case 4 actual test steps were executed. A total of 3 test steps failed. The test case execution time was 0.014206s.

Table 5: Test Failures

Step	File	Line	Failure Message
1	test-psx.c	32	-1 == 0, 0
*	test-psx.c	34	-1 == 0, 0
3	test-psx.c	36	-1 == 0, 0

Listing 10: Test Log

```

1 B:test_psx_success
2 P:0:23:UI1:test-psx.c:31

```

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```

3 F:1:23:UI1:test-psx.c:32:-1 == 0, 0
4 F:*:23:UI1:test-psx.c:34:-1 == 0, 0
5 P:2:23:UI1:test-psx.c:35
6 F:3:23:UI1:test-psx.c:36:-1 == 0, 0
7 E:test_psx_success:N:4:F:3:D:0.014206

```

1.1.11 Test Case - test_psx_error

In this test case 5 actual test steps were executed. A total of 5 test steps failed. The test case execution time was 0.027333s.

Table 6: Test Failures

Step	File	Line	Failure Message
1	test-psx.c	20	-1 == -1, ENOMEM == ERANGE
2	test-psx.c	21	0 == -1, ENOMEM == ENOMEM
*	test-psx.c	23	-1 == -1, ENOMEM == ERANGE
*	test-psx.c	24	0 == -1, ENOMEM == ENOMEM
4	test-psx.c	26	0 == -1, ENOMEM == ENOMEM

Listing 11: Test Log

```

1 B:test_psx_error
2 P:0:23:UI1:test-psx.c:19
3 F:1:23:UI1:test-psx.c:20:-1 == -1, ENOMEM == ERANGE
4 F:2:23:UI1:test-psx.c:21:0 == -1, ENOMEM == ENOMEM
5 F:*:23:UI1:test-psx.c:23:-1 == -1, ENOMEM == ERANGE
6 F:*:23:UI1:test-psx.c:24:0 == -1, ENOMEM == ENOMEM
7 P:3:23:UI1:test-psx.c:25
8 F:4:23:UI1:test-psx.c:26:0 == -1, ENOMEM == ENOMEM
9 E:test_psx_error:N:5:F:5:D:0.027333

```

1.1.12 Test Case - test_null

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017857s.

Table 7: Test Failures

Step	File	Line	Failure Message
1	test.c	150	&a == NULL
*	test.c	152	&a == NULL
3	test.c	154	&a == NULL
5	test.c	156	&a == NULL

Listing 12: Test Log

```

1 B:test_null
2 P:0:23:UI1:test.c:149

```

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```

3 F:1:23:UI1:test.c:150:&a == NULL
4 F:*:23:UI1:test.c:152:&a == NULL
5 P:2:23:UI1:test.c:153
6 F:3:23:UI1:test.c:154:&a == NULL
7 P:4:23:UI1:test.c:155
8 F:5:23:UI1:test.c:156:&a == NULL
9 E:test_null:N:6:F:4:D:0.017857

```

1.1.13 Test Case - test_not_null

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.018553s.

Table 8: Test Failures

Step	File	Line	Failure Message
1	test.c	164	NULL != NULL
*	test.c	166	NULL != NULL
3	test.c	168	NULL != NULL
5	test.c	170	NULL != NULL

Listing 13: Test Log

```

1 B:test_not_null
2 P:0:23:UI1:test.c:163
3 F:1:23:UI1:test.c:164:NULL != NULL
4 F:*:23:UI1:test.c:166:NULL != NULL
5 P:2:23:UI1:test.c:167
6 F:3:23:UI1:test.c:168:NULL != NULL
7 P:4:23:UI1:test.c:169
8 F:5:23:UI1:test.c:170:NULL != NULL
9 E:test_not_null:N:6:F:4:D:0.018553

```

1.1.14 Test Case - test_ne_ushort

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 9: Test Failures

Step	File	Line	Failure Message
1	test.c	530	1 != 1
*	test.c	532	4 != 4
3	test.c	534	7 != 7
5	test.c	536	10 != 10

Listing 14: Test Log

```

1 B:test_ne_ushort
2 P:0:23:UI1:test.c:529
3 F:1:23:UI1:test.c:530:1 != 1
4 F*:23:UI1:test.c:532:4 != 4
5 P:2:23:UI1:test.c:533
6 F:3:23:UI1:test.c:534:7 != 7
7 P:4:23:UI1:test.c:535
8 F:5:23:UI1:test.c:536:10 != 10
9 E:test_ne_ushort:N:6:F:4:D:0.016639

```

1.1.15 Test Case - test_ne_uptr

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017247s.

Table 10: Test Failures

Step	File	Line	Failure Message
1	test.c	1682	1 != 1
*	test.c	1684	4 != 4
3	test.c	1686	7 != 7
5	test.c	1688	10 != 10

Listing 15: Test Log

```

1 B:test_ne_uptr
2 P:0:23:UI1:test.c:1681
3 F:1:23:UI1:test.c:1682:1 != 1
4 F*:23:UI1:test.c:1684:4 != 4
5 P:2:23:UI1:test.c:1685
6 F:3:23:UI1:test.c:1686:7 != 7
7 P:4:23:UI1:test.c:1687
8 F:5:23:UI1:test.c:1688:10 != 10
9 E:test_ne_uptr:N:6:F:4:D:0.017247

```

1.1.16 Test Case - test_ne_ulong

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016641s.

Table 11: Test Failures

Step	File	Line	Failure Message
1	test.c	818	1 != 1
*	test.c	820	4 != 4
3	test.c	822	7 != 7
5	test.c	824	10 != 10

Listing 16: Test Log

```

1 B:test_ne_ulong
2 P:0:23:UI1:test.c:817
3 F:1:23:UI1:test.c:818:1 != 1
4 F*:23:UI1:test.c:820:4 != 4
5 P:2:23:UI1:test.c:821
6 F:3:23:UI1:test.c:822:7 != 7
7 P:4:23:UI1:test.c:823
8 F:5:23:UI1:test.c:824:10 != 10
9 E:test_ne_ulong:N:6:F:4:D:0.016641

```

1.1.17 Test Case - test_ne_ull

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 12: Test Failures

Step	File	Line	Failure Message
1	test.c	962	1 != 1
*	test.c	964	4 != 4
3	test.c	966	7 != 7
5	test.c	968	10 != 10

Listing 17: Test Log

```

1 B:test_ne_ull
2 P:0:23:UI1:test.c:961
3 F:1:23:UI1:test.c:962:1 != 1
4 F*:23:UI1:test.c:964:4 != 4
5 P:2:23:UI1:test.c:965
6 F:3:23:UI1:test.c:966:7 != 7
7 P:4:23:UI1:test.c:967
8 F:5:23:UI1:test.c:968:10 != 10
9 E:test_ne_ull:N:6:F:4:D:0.016639

```

1.1.18 Test Case - test_ne_uint

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 13: Test Failures

Step	File	Line	Failure Message
1	test.c	674	1 != 1
*	test.c	676	4 != 4
3	test.c	678	7 != 7
5	test.c	680	10 != 10

Listing 18: Test Log

```

1 B:test_ne_uint
2 P:0:23:UI1:test.c:673
3 F:1:23:UI1:test.c:674:1 != 1
4 F*:23:UI1:test.c:676:4 != 4
5 P:2:23:UI1:test.c:677
6 F:3:23:UI1:test.c:678:7 != 7
7 P:4:23:UI1:test.c:679
8 F:5:23:UI1:test.c:680:10 != 10
9 E:test_ne_uint:N:6:F:4:D:0.016639

```

1.1.19 Test Case - test_ne_uchar

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016638s.

Table 14: Test Failures

Step	File	Line	Failure Message
1	test.c	386	1 != 1
*	test.c	388	4 != 4
3	test.c	390	7 != 7
5	test.c	392	10 != 10

Listing 19: Test Log

```

1 B:test_ne_uchar
2 P:0:23:UI1:test.c:385
3 F:1:23:UI1:test.c:386:1 != 1
4 F*:23:UI1:test.c:388:4 != 4
5 P:2:23:UI1:test.c:389
6 F:3:23:UI1:test.c:390:7 != 7
7 P:4:23:UI1:test.c:391
8 F:5:23:UI1:test.c:392:10 != 10
9 E:test_ne_uchar:N:6:F:4:D:0.016638

```

1.1.20 Test Case - test_ne_u8

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 15: Test Failures

Step	File	Line	Failure Message
1	test.c	1106	1 != 1
*	test.c	1108	4 != 4
3	test.c	1110	7 != 7
5	test.c	1112	10 != 10

Listing 20: Test Log

```

1 B:test_ne_u8
2 P:0:23:UI1:test.c:1105
3 F:1:23:UI1:test.c:1106:1 != 1
4 F*:23:UI1:test.c:1108:4 != 4
5 P:2:23:UI1:test.c:1109
6 F:3:23:UI1:test.c:1110:7 != 7
7 P:4:23:UI1:test.c:1111
8 F:5:23:UI1:test.c:1112:10 != 10
9 E:test_ne_u8:N:6:F:4:D:0.017248

```

1.1.21 Test Case - test_ne_u64

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017249s.

Table 16: Test Failures

Step	File	Line	Failure Message
1	test.c	1538	1 != 1
*	test.c	1540	4 != 4
3	test.c	1542	7 != 7
5	test.c	1544	10 != 10

Listing 21: Test Log

```

1 B:test_ne_u64
2 P:0:23:UI1:test.c:1537
3 F:1:23:UI1:test.c:1538:1 != 1
4 F*:23:UI1:test.c:1540:4 != 4
5 P:2:23:UI1:test.c:1541
6 F:3:23:UI1:test.c:1542:7 != 7
7 P:4:23:UI1:test.c:1543
8 F:5:23:UI1:test.c:1544:10 != 10
9 E:test_ne_u64:N:6:F:4:D:0.017249

```

1.1.22 Test Case - test_ne_u32

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017249s.

Table 17: Test Failures

Step	File	Line	Failure Message
1	test.c	1394	1 != 1
*	test.c	1396	4 != 4
3	test.c	1398	7 != 7
5	test.c	1400	10 != 10

Listing 22: Test Log

```

1 B:test_ne_u32
2 P:0:23:UI1:test.c:1393
3 F:1:23:UI1:test.c:1394:1 != 1
4 F*:23:UI1:test.c:1396:4 != 4
5 P:2:23:UI1:test.c:1397
6 F:3:23:UI1:test.c:1398:7 != 7
7 P:4:23:UI1:test.c:1399
8 F:5:23:UI1:test.c:1400:10 != 10
9 E:test_ne_u32:N:6:F:4:D:0.017249

```

1.1.23 Test Case - test_ne_u16

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 18: Test Failures

Step	File	Line	Failure Message
1	test.c	1250	1 != 1
*	test.c	1252	4 != 4
3	test.c	1254	7 != 7
5	test.c	1256	10 != 10

Listing 23: Test Log

```

1 B:test_ne_u16
2 P:0:23:UI1:test.c:1249
3 F:1:23:UI1:test.c:1250:1 != 1
4 F*:23:UI1:test.c:1252:4 != 4
5 P:2:23:UI1:test.c:1253
6 F:3:23:UI1:test.c:1254:7 != 7
7 P:4:23:UI1:test.c:1255
8 F:5:23:UI1:test.c:1256:10 != 10
9 E:test_ne_u16:N:6:F:4:D:0.017248

```

1.1.24 Test Case - test_ne_sz

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 19: Test Failures

Step	File	Line	Failure Message
1	test.c	1826	1 != 1
*	test.c	1828	4 != 4
3	test.c	1830	7 != 7
5	test.c	1832	10 != 10

Listing 24: Test Log

```

1 B:test_ne_sz
2 P:0:23:UI1:test.c:1825
3 F:1:23:UI1:test.c:1826:1 != 1
4 F:*:23:UI1:test.c:1828:4 != 4
5 P:2:23:UI1:test.c:1829
6 F:3:23:UI1:test.c:1830:7 != 7
7 P:4:23:UI1:test.c:1831
8 F:5:23:UI1:test.c:1832:10 != 10
9 E:test_ne_sz:N:6:F:4:D:0.017248

```

1.1.25 Test Case - test_ne_str

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017858s.

Listing 25: Test Log

```

1 B:test_ne_str
2 P:0:23:UI1:test.c:227
3 F:1:23:UI1:test.c:228:"a" != "a"
4 F:*:23:UI1:test.c:230:"a" != "a"
5 P:2:23:UI1:test.c:231
6 F:3:23:UI1:test.c:232:"a" != "a"
7 P:4:23:UI1:test.c:233
8 F:5:23:UI1:test.c:234:"a" != "a"
9 E:test_ne_str:N:6:F:4:D:0.017858

```

1.1.26 Test Case - test_ne_ssz

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 20: Test Failures

Step	File	Line	Failure Message
1	test.c	1754	1 != 1
*	test.c	1756	4 != 4
3	test.c	1758	7 != 7
5	test.c	1760	10 != 10

Listing 26: Test Log

```

1 B:test_ne_ssz
2 P:0:23:UI1:test.c:1753
3 F:1:23:UI1:test.c:1754:1 != 1
4 F:*:23:UI1:test.c:1756:4 != 4
5 P:2:23:UI1:test.c:1757
6 F:3:23:UI1:test.c:1758:7 != 7
7 P:4:23:UI1:test.c:1759

```

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```

8 F:5:23:UI1:test.c:1760:10 != 10
9 E:test_ne_ssz:N:6:F:4:D:0.017248

```

1.1.27 Test Case - test_ne_short

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 21: Test Failures

Step	File	Line	Failure Message
1	test.c	458	1 != 1
*	test.c	460	4 != 4
3	test.c	462	7 != 7
5	test.c	464	10 != 10

Listing 27: Test Log

```

1 B:test_ne_short
2 P:0:23:UI1:test.c:457
3 F:1:23:UI1:test.c:458:1 != 1
4 F*:23:UI1:test.c:460:4 != 4
5 P:2:23:UI1:test.c:461
6 F:3:23:UI1:test.c:462:7 != 7
7 P:4:23:UI1:test.c:463
8 F:5:23:UI1:test.c:464:10 != 10
9 E:test_ne_short:N:6:F:4:D:0.016639

```

1.1.28 Test Case - test_ne_schar

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 22: Test Failures

Step	File	Line	Failure Message
1	test.c	314	1 != 1
*	test.c	316	4 != 4
3	test.c	318	7 != 7
5	test.c	320	10 != 10

Listing 28: Test Log

```

1 B:test_ne_schar
2 P:0:23:UI1:test.c:313
3 F:1:23:UI1:test.c:314:1 != 1
4 F*:23:UI1:test.c:316:4 != 4
5 P:2:23:UI1:test.c:317
6 F:3:23:UI1:test.c:318:7 != 7

```

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```

7 P:4:23:UI1:test.c:319
8 F:5:23:UI1:test.c:320:10 != 10
9 E:test_ne_schar:N:6:F:4:D:0.016639

```

1.1.29 Test Case - test_ne_ptr

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017161s.

Table 23: Test Failures

Step	File	Line	Failure Message
1	test.c	136	&a != &a
*	test.c	138	&a != &a
3	test.c	140	&a != &a
5	test.c	142	&a != &a

Listing 29: Test Log

```

1 B:test_ne_ptr
2 P:0:23:UI1:test.c:135
3 F:1:23:UI1:test.c:136:&a != &a
4 F*:23:UI1:test.c:138:&a != &a
5 P:2:23:UI1:test.c:139
6 F:3:23:UI1:test.c:140:&a != &a
7 P:4:23:UI1:test.c:141
8 F:5:23:UI1:test.c:142:&a != &a
9 E:test_ne_ptr:N:6:F:4:D:0.017161

```

1.1.30 Test Case - test_ne_nstr

In this test case 8 actual test steps were executed. A total of 7 test steps failed. The test case execution time was 0.029159s.

Listing 30: Test Log

```

1 B:test_ne_nstr
2 P:0:23:UI1:test.c:261
3 F:1:23:UI1:test.c:262:"aaa" != "aaa"
4 F:2:23:UI1:test.c:263:"aaa" != "aaa"
5 F*:23:UI1:test.c:265:"aaa" != "aaa"
6 F*:23:UI1:test.c:266:"aaa" != "aaa"
7 P:3:23:UI1:test.c:267
8 F:4:23:UI1:test.c:268:"aaa" != "aaa"
9 F:5:23:UI1:test.c:269:"aaa" != "aaa"
10 P:6:23:UI1:test.c:270
11 F:7:23:UI1:test.c:271:"aaa" != "aaa"
12 E:test_ne_nstr:N:8:F:7:D:0.029159

```

1.1.31 Test Case - test_ne_mem

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.024812s.

Table 24: Test Failures

Step	File	Line	Failure Message
1	test.c	198	memcmp(&a, &a, sizeof(a)) != 0
*	test.c	200	memcmp(&a, &a, sizeof(a)) != 0
3	test.c	202	memcmp(&a, &a, sizeof(a)) != 0
5	test.c	204	memcmp(&a, &a, sizeof(a)) != 0

Listing 31: Test Log

```

1 B:test_ne_mem
2 P:0:23:UI1:test.c:197
3 F:1:23:UI1:test.c:198:memcmp(&a, &a, sizeof(a)) != 0
4 F:*:23:UI1:test.c:200:memcmp(&a, &a, sizeof(a)) != 0
5 P:2:23:UI1:test.c:201
6 F:3:23:UI1:test.c:202:memcmp(&a, &a, sizeof(a)) != 0
7 P:4:23:UI1:test.c:203
8 F:5:23:UI1:test.c:204:memcmp(&a, &a, sizeof(a)) != 0
9 E:test_ne_mem:N:6:F:4:D:0.024812

```

1.1.32 Test Case - test_ne_long

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016640s.

Table 25: Test Failures

Step	File	Line	Failure Message
1	test.c	746	1 != 1
*	test.c	748	4 != 4
3	test.c	750	7 != 7
5	test.c	752	10 != 10

Listing 32: Test Log

```

1 B:test_ne_long
2 P:0:23:UI1:test.c:745
3 F:1:23:UI1:test.c:746:1 != 1
4 F:*:23:UI1:test.c:748:4 != 4
5 P:2:23:UI1:test.c:749
6 F:3:23:UI1:test.c:750:7 != 7
7 P:4:23:UI1:test.c:751
8 F:5:23:UI1:test.c:752:10 != 10
9 E:test_ne_long:N:6:F:4:D:0.016640

```

1.1.33 Test Case - test_ne_ll

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 26: Test Failures

Step	File	Line	Failure Message
1	test.c	890	1 != 1
*	test.c	892	4 != 4
3	test.c	894	7 != 7
5	test.c	896	10 != 10

Listing 33: Test Log

```

1 B:test_ne_ll
2 P:0:23:UI1:test.c:889
3 F:1:23:UI1:test.c:890:1 != 1
4 F*:23:UI1:test.c:892:4 != 4
5 P:2:23:UI1:test.c:893
6 F:3:23:UI1:test.c:894:7 != 7
7 P:4:23:UI1:test.c:895
8 F:5:23:UI1:test.c:896:10 != 10
9 E:test_ne_ll:N:6:F:4:D:0.016639

```

1.1.34 Test Case - test_ne_iptr

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 27: Test Failures

Step	File	Line	Failure Message
1	test.c	1610	1 != 1
*	test.c	1612	4 != 4
3	test.c	1614	7 != 7
5	test.c	1616	10 != 10

Listing 34: Test Log

```

1 B:test_ne_iptr
2 P:0:23:UI1:test.c:1609
3 F:1:23:UI1:test.c:1610:1 != 1
4 F*:23:UI1:test.c:1612:4 != 4
5 P:2:23:UI1:test.c:1613
6 F:3:23:UI1:test.c:1614:7 != 7
7 P:4:23:UI1:test.c:1615
8 F:5:23:UI1:test.c:1616:10 != 10
9 E:test_ne_iptr:N:6:F:4:D:0.017248

```

1.1.35 Test Case - test_ne_int

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016641s.

Table 28: Test Failures

Step	File	Line	Failure Message
1	test.c	602	1 != 1
*	test.c	604	4 != 4
3	test.c	606	7 != 7
5	test.c	608	10 != 10

Listing 35: Test Log

```

1 B:test_ne_int
2 P:0:23:UI1:test.c:601
3 F:1:23:UI1:test.c:602:1 != 1
4 F*:23:UI1:test.c:604:4 != 4
5 P:2:23:UI1:test.c:605
6 F:3:23:UI1:test.c:606:7 != 7
7 P:4:23:UI1:test.c:607
8 F:5:23:UI1:test.c:608:10 != 10
9 E:test_ne_int:N:6:F:4:D:0.016641

```

1.1.36 Test Case - test_ne_i8

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017250s.

Table 29: Test Failures

Step	File	Line	Failure Message
1	test.c	1034	1 != 1
*	test.c	1036	4 != 4
3	test.c	1038	7 != 7
5	test.c	1040	10 != 10

Listing 36: Test Log

```

1 B:test_ne_i8
2 P:0:23:UI1:test.c:1033
3 F:1:23:UI1:test.c:1034:1 != 1
4 F*:23:UI1:test.c:1036:4 != 4
5 P:2:23:UI1:test.c:1037
6 F:3:23:UI1:test.c:1038:7 != 7
7 P:4:23:UI1:test.c:1039
8 F:5:23:UI1:test.c:1040:10 != 10
9 E:test_ne_i8:N:6:F:4:D:0.017250

```

1.1.37 Test Case - test_ne_i64

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 30: Test Failures

Step	File	Line	Failure Message
1	test.c	1466	1 != 1
*	test.c	1468	4 != 4
3	test.c	1470	7 != 7
5	test.c	1472	10 != 10

Listing 37: Test Log

```

1 B:test_ne_i64
2 P:0:23:UI1:test.c:1465
3 F:1:23:UI1:test.c:1466:1 != 1
4 F*:23:UI1:test.c:1468:4 != 4
5 P:2:23:UI1:test.c:1469
6 F:3:23:UI1:test.c:1470:7 != 7
7 P:4:23:UI1:test.c:1471
8 F:5:23:UI1:test.c:1472:10 != 10
9 E:test_ne_i64:N:6:F:4:D:0.017248

```

1.1.38 Test Case - test_ne_i32

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 31: Test Failures

Step	File	Line	Failure Message
1	test.c	1322	1 != 1
*	test.c	1324	4 != 4
3	test.c	1326	7 != 7
5	test.c	1328	10 != 10

Listing 38: Test Log

```

1 B:test_ne_i32
2 P:0:23:UI1:test.c:1321
3 F:1:23:UI1:test.c:1322:1 != 1
4 F*:23:UI1:test.c:1324:4 != 4
5 P:2:23:UI1:test.c:1325
6 F:3:23:UI1:test.c:1326:7 != 7
7 P:4:23:UI1:test.c:1327
8 F:5:23:UI1:test.c:1328:10 != 10
9 E:test_ne_i32:N:6:F:4:D:0.017248

```

1.1.39 Test Case - test_ne_i16

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017249s.

Table 32: Test Failures

Step	File	Line	Failure Message
1	test.c	1178	1 != 1
*	test.c	1180	4 != 4
3	test.c	1182	7 != 7
5	test.c	1184	10 != 10

Listing 39: Test Log

```

1 B:test_ne_i16
2 P:0:23:UI1:test.c:1177
3 F:1:23:UI1:test.c:1178:1 != 1
4 F*:23:UI1:test.c:1180:4 != 4
5 P:2:23:UI1:test.c:1181
6 F:3:23:UI1:test.c:1182:7 != 7
7 P:4:23:UI1:test.c:1183
8 F:5:23:UI1:test.c:1184:10 != 10
9 E:test_ne_i16:N:6:F:4:D:0.017249

```

1.1.40 Test Case - test_ne_char

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017856s.

Table 33: Test Failures

Step	File	Line	Failure Message
1	test.c	290	'1' != '1'
*	test.c	292	'4' != '4'
3	test.c	294	'7' != '7'
5	test.c	296	'A' != 'A'

Listing 40: Test Log

```

1 B:test_ne_char
2 P:0:23:UI1:test.c:289
3 F:1:23:UI1:test.c:290:'1' != '1'
4 F*:23:UI1:test.c:292:'4' != '4'
5 P:2:23:UI1:test.c:293
6 F:3:23:UI1:test.c:294:'7' != '7'
7 P:4:23:UI1:test.c:295
8 F:5:23:UI1:test.c:296:'A' != 'A'
9 E:test_ne_char:N:6:F:4:D:0.017856

```

1.1.41 Test Case - test_ne

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016640s.

Table 34: Test Failures

Step	File	Line	Failure Message
1	test.c	106	2 != 2
*	test.c	108	5 != 5
3	test.c	110	5 != 5
5	test.c	112	11 != 11

Listing 41: Test Log

```

1 B:test_ne
2 P:0:23:UI1:test.c:105
3 F:1:23:UI1:test.c:106:2 != 2
4 F*:23:UI1:test.c:108:5 != 5
5 P:2:23:UI1:test.c:109
6 F:3:23:UI1:test.c:110:5 != 5
7 P:4:23:UI1:test.c:111
8 F:5:23:UI1:test.c:112:11 != 11
9 E:test_ne:N:6:F:4:D:0.016640

```

1.1.42 Test Case - test_lt_ushort

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016292s.

Table 35: Test Failures

Step	File	Line	Failure Message
1	test.c	578	3 < 3
*	test.c	580	6 < 6
3	test.c	582	9 < 9
5	test.c	584	12 < 12

Listing 42: Test Log

```

1 B:test_lt_ushort
2 P:0:23:UI1:test.c:577
3 F:1:23:UI1:test.c:578:3 < 3
4 F*:23:UI1:test.c:580:6 < 6
5 P:2:23:UI1:test.c:581
6 F:3:23:UI1:test.c:582:9 < 9
7 P:4:23:UI1:test.c:583
8 F:5:23:UI1:test.c:584:12 < 12
9 E:test_lt_ushort:N:6:F:4:D:0.016292

```

1.1.43 Test Case - test_lt_uptr

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016901s.

Table 36: Test Failures

Step	File	Line	Failure Message
1	test.c	1730	3 < 3
*	test.c	1732	6 < 6
3	test.c	1734	9 < 9
5	test.c	1736	12 < 12

Listing 43: Test Log

```

1 B:test_lt_uptr
2 P:0:23:UI1:test.c:1729
3 F:1:23:UI1:test.c:1730:3 < 3
4 F*:23:UI1:test.c:1732:6 < 6
5 P:2:23:UI1:test.c:1733
6 F:3:23:UI1:test.c:1734:9 < 9
7 P:4:23:UI1:test.c:1735
8 F:5:23:UI1:test.c:1736:12 < 12
9 E:test_lt_uptr:N:6:F:4:D:0.016901

```

1.1.44 Test Case - test_lt_ulong

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016292s.

Table 37: Test Failures

Step	File	Line	Failure Message
1	test.c	866	3 < 3
*	test.c	868	6 < 6
3	test.c	870	9 < 9
5	test.c	872	12 < 12

Listing 44: Test Log

```

1 B:test_lt_ulong
2 P:0:23:UI1:test.c:865
3 F:1:23:UI1:test.c:866:3 < 3
4 F*:23:UI1:test.c:868:6 < 6
5 P:2:23:UI1:test.c:869
6 F:3:23:UI1:test.c:870:9 < 9
7 P:4:23:UI1:test.c:871
8 F:5:23:UI1:test.c:872:12 < 12
9 E:test_lt_ulong:N:6:F:4:D:0.016292

```


1.1.45 Test Case - test_lt_ull

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016901s.

Table 38: Test Failures

Step	File	Line	Failure Message
1	test.c	1010	3 < 3
*	test.c	1012	6 < 6
3	test.c	1014	9 < 9
5	test.c	1016	12 < 12

Listing 45: Test Log

```

1 B:test_lt_ull
2 P:0:23:UI1:test.c:1009
3 F:1:23:UI1:test.c:1010:3 < 3
4 F*:23:UI1:test.c:1012:6 < 6
5 P:2:23:UI1:test.c:1013
6 F:3:23:UI1:test.c:1014:9 < 9
7 P:4:23:UI1:test.c:1015
8 F:5:23:UI1:test.c:1016:12 < 12
9 E:test_lt_ull:N:6:F:4:D:0.016901

```

1.1.46 Test Case - test_lt_uint

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016292s.

Table 39: Test Failures

Step	File	Line	Failure Message
1	test.c	722	3 < 3
*	test.c	724	6 < 6
3	test.c	726	9 < 9
5	test.c	728	12 < 12

Listing 46: Test Log

```

1 B:test_lt_uint
2 P:0:23:UI1:test.c:721
3 F:1:23:UI1:test.c:722:3 < 3
4 F*:23:UI1:test.c:724:6 < 6
5 P:2:23:UI1:test.c:725
6 F:3:23:UI1:test.c:726:9 < 9
7 P:4:23:UI1:test.c:727
8 F:5:23:UI1:test.c:728:12 < 12
9 E:test_lt_uint:N:6:F:4:D:0.016292

```

1.1.47 Test Case - test_lt_uchar

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016291s.

Table 40: Test Failures

Step	File	Line	Failure Message
1	test.c	434	3 < 3
*	test.c	436	6 < 6
3	test.c	438	9 < 9
5	test.c	440	12 < 12

Listing 47: Test Log

```

1 B:test_lt_uchar
2 P:0:23:UI1:test.c:433
3 F:1:23:UI1:test.c:434:3 < 3
4 F*:23:UI1:test.c:436:6 < 6
5 P:2:23:UI1:test.c:437
6 F:3:23:UI1:test.c:438:9 < 9
7 P:4:23:UI1:test.c:439
8 F:5:23:UI1:test.c:440:12 < 12
9 E:test_lt_uchar:N:6:F:4:D:0.016291

```

1.1.48 Test Case - test_lt_u8

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016900s.

Table 41: Test Failures

Step	File	Line	Failure Message
1	test.c	1154	3 < 3
*	test.c	1156	6 < 6
3	test.c	1158	9 < 9
5	test.c	1160	12 < 12

Listing 48: Test Log

```

1 B:test_lt_u8
2 P:0:23:UI1:test.c:1153
3 F:1:23:UI1:test.c:1154:3 < 3
4 F*:23:UI1:test.c:1156:6 < 6
5 P:2:23:UI1:test.c:1157
6 F:3:23:UI1:test.c:1158:9 < 9
7 P:4:23:UI1:test.c:1159
8 F:5:23:UI1:test.c:1160:12 < 12
9 E:test_lt_u8:N:6:F:4:D:0.016900

```

1.1.49 Test Case - test_lt_u64

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016900s.

Table 42: Test Failures

Step	File	Line	Failure Message
1	test.c	1586	3 < 3
*	test.c	1588	6 < 6
3	test.c	1590	9 < 9
5	test.c	1592	12 < 12

Listing 49: Test Log

```

1 B:test_lt_u64
2 P:0:23:UI1:test.c:1585
3 F:1:23:UI1:test.c:1586:3 < 3
4 F*:23:UI1:test.c:1588:6 < 6
5 P:2:23:UI1:test.c:1589
6 F:3:23:UI1:test.c:1590:9 < 9
7 P:4:23:UI1:test.c:1591
8 F:5:23:UI1:test.c:1592:12 < 12
9 E:test_lt_u64:N:6:F:4:D:0.016900

```

1.1.50 Test Case - test_lt_u32

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016901s.

Table 43: Test Failures

Step	File	Line	Failure Message
1	test.c	1442	3 < 3
*	test.c	1444	6 < 6
3	test.c	1446	9 < 9
5	test.c	1448	12 < 12

Listing 50: Test Log

```

1 B:test_lt_u32
2 P:0:23:UI1:test.c:1441
3 F:1:23:UI1:test.c:1442:3 < 3
4 F*:23:UI1:test.c:1444:6 < 6
5 P:2:23:UI1:test.c:1445
6 F:3:23:UI1:test.c:1446:9 < 9
7 P:4:23:UI1:test.c:1447
8 F:5:23:UI1:test.c:1448:12 < 12
9 E:test_lt_u32:N:6:F:4:D:0.016901

```

1.1.51 Test Case - test_lt_u16

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016900s.

Table 44: Test Failures

Step	File	Line	Failure Message
1	test.c	1298	3 < 3
*	test.c	1300	6 < 6
3	test.c	1302	9 < 9
5	test.c	1304	12 < 12

Listing 51: Test Log

```

1 B:test_lt_u16
2 P:0:23:UI1:test.c:1297
3 F:1:23:UI1:test.c:1298:3 < 3
4 F*:23:UI1:test.c:1300:6 < 6
5 P:2:23:UI1:test.c:1301
6 F:3:23:UI1:test.c:1302:9 < 9
7 P:4:23:UI1:test.c:1303
8 F:5:23:UI1:test.c:1304:12 < 12
9 E:test_lt_u16:N:6:F:4:D:0.016900

```

1.1.52 Test Case - test_lt_sz

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016900s.

Table 45: Test Failures

Step	File	Line	Failure Message
1	test.c	1874	3 < 3
*	test.c	1876	6 < 6
3	test.c	1878	9 < 9
5	test.c	1880	12 < 12

Listing 52: Test Log

```

1 B:test_lt_sz
2 P:0:23:UI1:test.c:1873
3 F:1:23:UI1:test.c:1874:3 < 3
4 F*:23:UI1:test.c:1876:6 < 6
5 P:2:23:UI1:test.c:1877
6 F:3:23:UI1:test.c:1878:9 < 9
7 P:4:23:UI1:test.c:1879
8 F:5:23:UI1:test.c:1880:12 < 12
9 E:test_lt_sz:N:6:F:4:D:0.016900

```

1.1.53 Test Case - test_lt_ssz

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016900s.

Table 46: Test Failures

Step	File	Line	Failure Message
1	test.c	1802	3 < 3
*	test.c	1804	6 < 6
3	test.c	1806	9 < 9
5	test.c	1808	12 < 12

Listing 53: Test Log

```

1 B:test_lt_ssz
2 P:0:23:UI1:test.c:1801
3 F:1:23:UI1:test.c:1802:3 < 3
4 F:*:23:UI1:test.c:1804:6 < 6
5 P:2:23:UI1:test.c:1805
6 F:3:23:UI1:test.c:1806:9 < 9
7 P:4:23:UI1:test.c:1807
8 F:5:23:UI1:test.c:1808:12 < 12
9 E:test_lt_ssz:N:6:F:4:D:0.016900

```

1.1.54 Test Case - test_lt_short

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016292s.

Table 47: Test Failures

Step	File	Line	Failure Message
1	test.c	506	3 < 3
*	test.c	508	6 < 6
3	test.c	510	9 < 9
5	test.c	512	12 < 12

Listing 54: Test Log

```

1 B:test_lt_short
2 P:0:23:UI1:test.c:505
3 F:1:23:UI1:test.c:506:3 < 3
4 F:*:23:UI1:test.c:508:6 < 6
5 P:2:23:UI1:test.c:509
6 F:3:23:UI1:test.c:510:9 < 9
7 P:4:23:UI1:test.c:511
8 F:5:23:UI1:test.c:512:12 < 12
9 E:test_lt_short:N:6:F:4:D:0.016292

```

1.1.55 Test Case - test_lt_schar

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016291s.

Table 48: Test Failures

Step	File	Line	Failure Message
1	test.c	362	3 < 3
*	test.c	364	6 < 6
3	test.c	366	9 < 9
5	test.c	368	12 < 12

Listing 55: Test Log

```

1 B:test_lt_schar
2 P:0:23:UI1:test.c:361
3 F:1:23:UI1:test.c:362:3 < 3
4 F*:23:UI1:test.c:364:6 < 6
5 P:2:23:UI1:test.c:365
6 F:3:23:UI1:test.c:366:9 < 9
7 P:4:23:UI1:test.c:367
8 F:5:23:UI1:test.c:368:12 < 12
9 E:test_lt_schar:N:6:F:4:D:0.016291

```

1.1.56 Test Case - test_lt_long

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016292s.

Table 49: Test Failures

Step	File	Line	Failure Message
1	test.c	794	3 < 3
*	test.c	796	6 < 6
3	test.c	798	9 < 9
5	test.c	800	12 < 12

Listing 56: Test Log

```

1 B:test_lt_long
2 P:0:23:UI1:test.c:793
3 F:1:23:UI1:test.c:794:3 < 3
4 F*:23:UI1:test.c:796:6 < 6
5 P:2:23:UI1:test.c:797
6 F:3:23:UI1:test.c:798:9 < 9
7 P:4:23:UI1:test.c:799
8 F:5:23:UI1:test.c:800:12 < 12
9 E:test_lt_long:N:6:F:4:D:0.016292

```

1.1.57 Test Case - test_lt_ll

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016292s.

Table 50: Test Failures

Step	File	Line	Failure Message
1	test.c	938	3 < 3
*	test.c	940	6 < 6
3	test.c	942	9 < 9
5	test.c	944	12 < 12

Listing 57: Test Log

```

1 B:test_lt_ll
2 P:0:23:UI1:test.c:937
3 F:1:23:UI1:test.c:938:3 < 3
4 F*:23:UI1:test.c:940:6 < 6
5 P:2:23:UI1:test.c:941
6 F:3:23:UI1:test.c:942:9 < 9
7 P:4:23:UI1:test.c:943
8 F:5:23:UI1:test.c:944:12 < 12
9 E:test_lt_ll:N:6:F:4:D:0.016292

```

1.1.58 Test Case - test_lt_iptr

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016901s.

Table 51: Test Failures

Step	File	Line	Failure Message
1	test.c	1658	3 < 3
*	test.c	1660	6 < 6
3	test.c	1662	9 < 9
5	test.c	1664	12 < 12

Listing 58: Test Log

```

1 B:test_lt_iptr
2 P:0:23:UI1:test.c:1657
3 F:1:23:UI1:test.c:1658:3 < 3
4 F*:23:UI1:test.c:1660:6 < 6
5 P:2:23:UI1:test.c:1661
6 F:3:23:UI1:test.c:1662:9 < 9
7 P:4:23:UI1:test.c:1663
8 F:5:23:UI1:test.c:1664:12 < 12
9 E:test_lt_iptr:N:6:F:4:D:0.016901

```

1.1.59 Test Case - test_lt_int

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016293s.

Table 52: Test Failures

Step	File	Line	Failure Message
1	test.c	650	3 < 3
*	test.c	652	6 < 6
3	test.c	654	9 < 9
5	test.c	656	12 < 12

Listing 59: Test Log

```

1 B:test_lt_int
2 P:0:23:UI1:test.c:649
3 F:1:23:UI1:test.c:650:3 < 3
4 F*:23:UI1:test.c:652:6 < 6
5 P:2:23:UI1:test.c:653
6 F:3:23:UI1:test.c:654:9 < 9
7 P:4:23:UI1:test.c:655
8 F:5:23:UI1:test.c:656:12 < 12
9 E:test_lt_int:N:6:F:4:D:0.016293

```

1.1.60 Test Case - test_lt_i8

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016901s.

Table 53: Test Failures

Step	File	Line	Failure Message
1	test.c	1082	3 < 3
*	test.c	1084	6 < 6
3	test.c	1086	9 < 9
5	test.c	1088	12 < 12

Listing 60: Test Log

```

1 B:test_lt_i8
2 P:0:23:UI1:test.c:1081
3 F:1:23:UI1:test.c:1082:3 < 3
4 F*:23:UI1:test.c:1084:6 < 6
5 P:2:23:UI1:test.c:1085
6 F:3:23:UI1:test.c:1086:9 < 9
7 P:4:23:UI1:test.c:1087
8 F:5:23:UI1:test.c:1088:12 < 12
9 E:test_lt_i8:N:6:F:4:D:0.016901

```


1.1.61 Test Case - test_lt_i64

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016900s.

Table 54: Test Failures

Step	File	Line	Failure Message
1	test.c	1514	3 < 3
*	test.c	1516	6 < 6
3	test.c	1518	9 < 9
5	test.c	1520	12 < 12

Listing 61: Test Log

```

1 B:test_lt_i64
2 P:0:23:UI1:test.c:1513
3 F:1:23:UI1:test.c:1514:3 < 3
4 F*:23:UI1:test.c:1516:6 < 6
5 P:2:23:UI1:test.c:1517
6 F:3:23:UI1:test.c:1518:9 < 9
7 P:4:23:UI1:test.c:1519
8 F:5:23:UI1:test.c:1520:12 < 12
9 E:test_lt_i64:N:6:F:4:D:0.016900

```

1.1.62 Test Case - test_lt_i32

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016901s.

Table 55: Test Failures

Step	File	Line	Failure Message
1	test.c	1370	3 < 3
*	test.c	1372	6 < 6
3	test.c	1374	9 < 9
5	test.c	1376	12 < 12

Listing 62: Test Log

```

1 B:test_lt_i32
2 P:0:23:UI1:test.c:1369
3 F:1:23:UI1:test.c:1370:3 < 3
4 F*:23:UI1:test.c:1372:6 < 6
5 P:2:23:UI1:test.c:1373
6 F:3:23:UI1:test.c:1374:9 < 9
7 P:4:23:UI1:test.c:1375
8 F:5:23:UI1:test.c:1376:12 < 12
9 E:test_lt_i32:N:6:F:4:D:0.016901

```

1.1.63 Test Case - test_lt_i16

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016899s.

Table 56: Test Failures

Step	File	Line	Failure Message
1	test.c	1226	3 < 3
*	test.c	1228	6 < 6
3	test.c	1230	9 < 9
5	test.c	1232	12 < 12

Listing 63: Test Log

```

1 B:test_lt_i16
2 P:0:23:UI1:test.c:1225
3 F:1:23:UI1:test.c:1226:3 < 3
4 F*:23:UI1:test.c:1228:6 < 6
5 P:2:23:UI1:test.c:1229
6 F:3:23:UI1:test.c:1230:9 < 9
7 P:4:23:UI1:test.c:1231
8 F:5:23:UI1:test.c:1232:12 < 12
9 E:test_lt_i16:N:6:F:4:D:0.016899

```

1.1.64 Test Case - test_le_ushort

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016641s.

Table 57: Test Failures

Step	File	Line	Failure Message
1	test.c	566	3 <= 2
*	test.c	568	6 <= 5
3	test.c	570	9 <= 8
5	test.c	572	12 <= 11

Listing 64: Test Log

```

1 B:test_le_ushort
2 P:0:23:UI1:test.c:565
3 F:1:23:UI1:test.c:566:3 <= 2
4 F*:23:UI1:test.c:568:6 <= 5
5 P:2:23:UI1:test.c:569
6 F:3:23:UI1:test.c:570:9 <= 8
7 P:4:23:UI1:test.c:571
8 F:5:23:UI1:test.c:572:12 <= 11
9 E:test_le_ushort:N:6:F:4:D:0.016641

```

1.1.65 Test Case - test_le_uptr

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017250s.

Table 58: Test Failures

Step	File	Line	Failure Message
1	test.c	1718	3 <= 2
*	test.c	1720	6 <= 5
3	test.c	1722	9 <= 8
5	test.c	1724	12 <= 11

Listing 65: Test Log

```

1 B:test_le_uptr
2 P:0:23:UI1:test.c:1717
3 F:1:23:UI1:test.c:1718:3 <= 2
4 F*:23:UI1:test.c:1720:6 <= 5
5 P:2:23:UI1:test.c:1721
6 F:3:23:UI1:test.c:1722:9 <= 8
7 P:4:23:UI1:test.c:1723
8 F:5:23:UI1:test.c:1724:12 <= 11
9 E:test_le_uptr:N:6:F:4:D:0.017250

```

1.1.66 Test Case - test_le_ulong

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 59: Test Failures

Step	File	Line	Failure Message
1	test.c	854	3 <= 2
*	test.c	856	6 <= 5
3	test.c	858	9 <= 8
5	test.c	860	12 <= 11

Listing 66: Test Log

```

1 B:test_le_ulong
2 P:0:23:UI1:test.c:853
3 F:1:23:UI1:test.c:854:3 <= 2
4 F*:23:UI1:test.c:856:6 <= 5
5 P:2:23:UI1:test.c:857
6 F:3:23:UI1:test.c:858:9 <= 8
7 P:4:23:UI1:test.c:859
8 F:5:23:UI1:test.c:860:12 <= 11
9 E:test_le_ulong:N:6:F:4:D:0.016639

```

1.1.67 Test Case - test_le_ull

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017075s.

Table 60: Test Failures

Step	File	Line	Failure Message
1	test.c	998	3 <= 2
*	test.c	1000	6 <= 5
3	test.c	1002	9 <= 8
5	test.c	1004	12 <= 11

Listing 67: Test Log

```

1 B:test_le_ull
2 P:0:23:UI1:test.c:997
3 F:1:23:UI1:test.c:998:3 <= 2
4 F*:23:UI1:test.c:1000:6 <= 5
5 P:2:23:UI1:test.c:1001
6 F:3:23:UI1:test.c:1002:9 <= 8
7 P:4:23:UI1:test.c:1003
8 F:5:23:UI1:test.c:1004:12 <= 11
9 E:test_le_ull:N:6:F:4:D:0.017075

```

1.1.68 Test Case - test_le_uint

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016641s.

Table 61: Test Failures

Step	File	Line	Failure Message
1	test.c	710	3 <= 2
*	test.c	712	6 <= 5
3	test.c	714	9 <= 8
5	test.c	716	12 <= 11

Listing 68: Test Log

```

1 B:test_le_uint
2 P:0:23:UI1:test.c:709
3 F:1:23:UI1:test.c:710:3 <= 2
4 F*:23:UI1:test.c:712:6 <= 5
5 P:2:23:UI1:test.c:713
6 F:3:23:UI1:test.c:714:9 <= 8
7 P:4:23:UI1:test.c:715
8 F:5:23:UI1:test.c:716:12 <= 11
9 E:test_le_uint:N:6:F:4:D:0.016641

```

1.1.69 Test Case - test_le_uchar

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 62: Test Failures

Step	File	Line	Failure Message
1	test.c	422	3 <= 2
*	test.c	424	6 <= 5
3	test.c	426	9 <= 8
5	test.c	428	12 <= 11

Listing 69: Test Log

```

1 B:test_le_uchar
2 P:0:23:UI1:test.c:421
3 F:1:23:UI1:test.c:422:3 <= 2
4 F*:23:UI1:test.c:424:6 <= 5
5 P:2:23:UI1:test.c:425
6 F:3:23:UI1:test.c:426:9 <= 8
7 P:4:23:UI1:test.c:427
8 F:5:23:UI1:test.c:428:12 <= 11
9 E:test_le_uchar:N:6:F:4:D:0.016639

```

1.1.70 Test Case - test_le_u8

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 63: Test Failures

Step	File	Line	Failure Message
1	test.c	1142	3 <= 2
*	test.c	1144	6 <= 5
3	test.c	1146	9 <= 8
5	test.c	1148	12 <= 11

Listing 70: Test Log

```

1 B:test_le_u8
2 P:0:23:UI1:test.c:1141
3 F:1:23:UI1:test.c:1142:3 <= 2
4 F*:23:UI1:test.c:1144:6 <= 5
5 P:2:23:UI1:test.c:1145
6 F:3:23:UI1:test.c:1146:9 <= 8
7 P:4:23:UI1:test.c:1147
8 F:5:23:UI1:test.c:1148:12 <= 11
9 E:test_le_u8:N:6:F:4:D:0.017248

```

1.1.71 Test Case - test_le_u64

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017247s.

Table 64: Test Failures

Step	File	Line	Failure Message
1	test.c	1574	3 <= 2
*	test.c	1576	6 <= 5
3	test.c	1578	9 <= 8
5	test.c	1580	12 <= 11

Listing 71: Test Log

```

1 B:test_le_u64
2 P:0:23:UI1:test.c:1573
3 F:1:23:UI1:test.c:1574:3 <= 2
4 F*:23:UI1:test.c:1576:6 <= 5
5 P:2:23:UI1:test.c:1577
6 F:3:23:UI1:test.c:1578:9 <= 8
7 P:4:23:UI1:test.c:1579
8 F:5:23:UI1:test.c:1580:12 <= 11
9 E:test_le_u64:N:6:F:4:D:0.017247

```

1.1.72 Test Case - test_le_u32

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017250s.

Table 65: Test Failures

Step	File	Line	Failure Message
1	test.c	1430	3 <= 2
*	test.c	1432	6 <= 5
3	test.c	1434	9 <= 8
5	test.c	1436	12 <= 11

Listing 72: Test Log

```

1 B:test_le_u32
2 P:0:23:UI1:test.c:1429
3 F:1:23:UI1:test.c:1430:3 <= 2
4 F*:23:UI1:test.c:1432:6 <= 5
5 P:2:23:UI1:test.c:1433
6 F:3:23:UI1:test.c:1434:9 <= 8
7 P:4:23:UI1:test.c:1435
8 F:5:23:UI1:test.c:1436:12 <= 11
9 E:test_le_u32:N:6:F:4:D:0.017250

```

1.1.73 Test Case - test_le_u16

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017250s.

Table 66: Test Failures

Step	File	Line	Failure Message
1	test.c	1286	3 <= 2
*	test.c	1288	6 <= 5
3	test.c	1290	9 <= 8
5	test.c	1292	12 <= 11

Listing 73: Test Log

```

1 B:test_le_u16
2 P:0:23:UI1:test.c:1285
3 F:1:23:UI1:test.c:1286:3 <= 2
4 F*:23:UI1:test.c:1288:6 <= 5
5 P:2:23:UI1:test.c:1289
6 F:3:23:UI1:test.c:1290:9 <= 8
7 P:4:23:UI1:test.c:1291
8 F:5:23:UI1:test.c:1292:12 <= 11
9 E:test_le_u16:N:6:F:4:D:0.017250

```

1.1.74 Test Case - test_le_sz

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 67: Test Failures

Step	File	Line	Failure Message
1	test.c	1862	3 <= 2
*	test.c	1864	6 <= 5
3	test.c	1866	9 <= 8
5	test.c	1868	12 <= 11

Listing 74: Test Log

```

1 B:test_le_sz
2 P:0:23:UI1:test.c:1861
3 F:1:23:UI1:test.c:1862:3 <= 2
4 F*:23:UI1:test.c:1864:6 <= 5
5 P:2:23:UI1:test.c:1865
6 F:3:23:UI1:test.c:1866:9 <= 8
7 P:4:23:UI1:test.c:1867
8 F:5:23:UI1:test.c:1868:12 <= 11
9 E:test_le_sz:N:6:F:4:D:0.017248

```

1.1.75 Test Case - test_le_ssz

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 68: Test Failures

Step	File	Line	Failure Message
1	test.c	1790	3 <= 2
*	test.c	1792	6 <= 5
3	test.c	1794	9 <= 8
5	test.c	1796	12 <= 11

Listing 75: Test Log

```

1 B:test_le_ssz
2 P:0:23:UI1:test.c:1789
3 F:1:23:UI1:test.c:1790:3 <= 2
4 F*:23:UI1:test.c:1792:6 <= 5
5 P:2:23:UI1:test.c:1793
6 F:3:23:UI1:test.c:1794:9 <= 8
7 P:4:23:UI1:test.c:1795
8 F:5:23:UI1:test.c:1796:12 <= 11
9 E:test_le_ssz:N:6:F:4:D:0.017248

```

1.1.76 Test Case - test_le_short

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016640s.

Table 69: Test Failures

Step	File	Line	Failure Message
1	test.c	494	3 <= 2
*	test.c	496	6 <= 5
3	test.c	498	9 <= 8
5	test.c	500	12 <= 11

Listing 76: Test Log

```

1 B:test_le_short
2 P:0:23:UI1:test.c:493
3 F:1:23:UI1:test.c:494:3 <= 2
4 F*:23:UI1:test.c:496:6 <= 5
5 P:2:23:UI1:test.c:497
6 F:3:23:UI1:test.c:498:9 <= 8
7 P:4:23:UI1:test.c:499
8 F:5:23:UI1:test.c:500:12 <= 11
9 E:test_le_short:N:6:F:4:D:0.016640

```


1.1.77 Test Case - test_le_schar

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016638s.

Table 70: Test Failures

Step	File	Line	Failure Message
1	test.c	350	3 <= 2
*	test.c	352	6 <= 5
3	test.c	354	9 <= 8
5	test.c	356	12 <= 11

Listing 77: Test Log

```

1 B:test_le_schar
2 P:0:23:UI1:test.c:349
3 F:1:23:UI1:test.c:350:3 <= 2
4 F*:23:UI1:test.c:352:6 <= 5
5 P:2:23:UI1:test.c:353
6 F:3:23:UI1:test.c:354:9 <= 8
7 P:4:23:UI1:test.c:355
8 F:5:23:UI1:test.c:356:12 <= 11
9 E:test_le_schar:N:6:F:4:D:0.016638

```

1.1.78 Test Case - test_le_long

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016640s.

Table 71: Test Failures

Step	File	Line	Failure Message
1	test.c	782	3 <= 2
*	test.c	784	6 <= 5
3	test.c	786	9 <= 8
5	test.c	788	12 <= 11

Listing 78: Test Log

```

1 B:test_le_long
2 P:0:23:UI1:test.c:781
3 F:1:23:UI1:test.c:782:3 <= 2
4 F*:23:UI1:test.c:784:6 <= 5
5 P:2:23:UI1:test.c:785
6 F:3:23:UI1:test.c:786:9 <= 8
7 P:4:23:UI1:test.c:787
8 F:5:23:UI1:test.c:788:12 <= 11
9 E:test_le_long:N:6:F:4:D:0.016640

```

1.1.79 Test Case - test_le_ll

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016638s.

Table 72: Test Failures

Step	File	Line	Failure Message
1	test.c	926	3 <= 2
*	test.c	928	6 <= 5
3	test.c	930	9 <= 8
5	test.c	932	12 <= 11

Listing 79: Test Log

```

1 B:test_le_ll
2 P:0:23:UI1:test.c:925
3 F:1:23:UI1:test.c:926:3 <= 2
4 F*:23:UI1:test.c:928:6 <= 5
5 P:2:23:UI1:test.c:929
6 F:3:23:UI1:test.c:930:9 <= 8
7 P:4:23:UI1:test.c:931
8 F:5:23:UI1:test.c:932:12 <= 11
9 E:test_le_ll:N:6:F:4:D:0.016638

```

1.1.80 Test Case - test_le_iptr

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017249s.

Table 73: Test Failures

Step	File	Line	Failure Message
1	test.c	1646	3 <= 2
*	test.c	1648	6 <= 5
3	test.c	1650	9 <= 8
5	test.c	1652	12 <= 11

Listing 80: Test Log

```

1 B:test_le_iptr
2 P:0:23:UI1:test.c:1645
3 F:1:23:UI1:test.c:1646:3 <= 2
4 F*:23:UI1:test.c:1648:6 <= 5
5 P:2:23:UI1:test.c:1649
6 F:3:23:UI1:test.c:1650:9 <= 8
7 P:4:23:UI1:test.c:1651
8 F:5:23:UI1:test.c:1652:12 <= 11
9 E:test_le_iptr:N:6:F:4:D:0.017249

```

1.1.81 Test Case - test_le_int

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016640s.

Table 74: Test Failures

Step	File	Line	Failure Message
1	test.c	638	3 <= 2
*	test.c	640	6 <= 5
3	test.c	642	9 <= 8
5	test.c	644	12 <= 11

Listing 81: Test Log

```

1 B:test_le_int
2 P:0:23:UI1:test.c:637
3 F:1:23:UI1:test.c:638:3 <= 2
4 F*:23:UI1:test.c:640:6 <= 5
5 P:2:23:UI1:test.c:641
6 F:3:23:UI1:test.c:642:9 <= 8
7 P:4:23:UI1:test.c:643
8 F:5:23:UI1:test.c:644:12 <= 11
9 E:test_le_int:N:6:F:4:D:0.016640

```

1.1.82 Test Case - test_le_i8

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017249s.

Table 75: Test Failures

Step	File	Line	Failure Message
1	test.c	1070	3 <= 2
*	test.c	1072	6 <= 5
3	test.c	1074	9 <= 8
5	test.c	1076	12 <= 11

Listing 82: Test Log

```

1 B:test_le_i8
2 P:0:23:UI1:test.c:1069
3 F:1:23:UI1:test.c:1070:3 <= 2
4 F*:23:UI1:test.c:1072:6 <= 5
5 P:2:23:UI1:test.c:1073
6 F:3:23:UI1:test.c:1074:9 <= 8
7 P:4:23:UI1:test.c:1075
8 F:5:23:UI1:test.c:1076:12 <= 11
9 E:test_le_i8:N:6:F:4:D:0.017249

```

1.1.83 Test Case - test_le_i64

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017250s.

Table 76: Test Failures

Step	File	Line	Failure Message
1	test.c	1502	3 <= 2
*	test.c	1504	6 <= 5
3	test.c	1506	9 <= 8
5	test.c	1508	12 <= 11

Listing 83: Test Log

```

1 B:test_le_i64
2 P:0:23:UI1:test.c:1501
3 F:1:23:UI1:test.c:1502:3 <= 2
4 F*:23:UI1:test.c:1504:6 <= 5
5 P:2:23:UI1:test.c:1505
6 F:3:23:UI1:test.c:1506:9 <= 8
7 P:4:23:UI1:test.c:1507
8 F:5:23:UI1:test.c:1508:12 <= 11
9 E:test_le_i64:N:6:F:4:D:0.017250

```

1.1.84 Test Case - test_le_i32

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 77: Test Failures

Step	File	Line	Failure Message
1	test.c	1358	3 <= 2
*	test.c	1360	6 <= 5
3	test.c	1362	9 <= 8
5	test.c	1364	12 <= 11

Listing 84: Test Log

```

1 B:test_le_i32
2 P:0:23:UI1:test.c:1357
3 F:1:23:UI1:test.c:1358:3 <= 2
4 F*:23:UI1:test.c:1360:6 <= 5
5 P:2:23:UI1:test.c:1361
6 F:3:23:UI1:test.c:1362:9 <= 8
7 P:4:23:UI1:test.c:1363
8 F:5:23:UI1:test.c:1364:12 <= 11
9 E:test_le_i32:N:6:F:4:D:0.017248

```

1.1.85 Test Case - test_le_i16

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017250s.

Table 78: Test Failures

Step	File	Line	Failure Message
1	test.c	1214	3 <= 2
*	test.c	1216	6 <= 5
3	test.c	1218	9 <= 8
5	test.c	1220	12 <= 11

Listing 85: Test Log

```

1 B:test_le_i16
2 P:0:23:UI1:test.c:1213
3 F:1:23:UI1:test.c:1214:3 <= 2
4 F*:23:UI1:test.c:1216:6 <= 5
5 P:2:23:UI1:test.c:1217
6 F:3:23:UI1:test.c:1218:9 <= 8
7 P:4:23:UI1:test.c:1219
8 F:5:23:UI1:test.c:1220:12 <= 11
9 E:test_le_i16:N:6:F:4:D:0.017250

```

1.1.86 Test Case - test_gt_ushort

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014292s.

Table 79: Test Failures

Step	File	Line	Failure Message
1	test.c	554	3 > 3
*	test.c	556	6 > 6
3	test.c	558	9 > 9
4	test.c	559	10 > 11

Listing 86: Test Log

```

1 B:test_gt_ushort
2 P:0:23:UI1:test.c:553
3 F:1:23:UI1:test.c:554:3 > 3
4 F*:23:UI1:test.c:556:6 > 6
5 P:2:23:UI1:test.c:557
6 F:3:23:UI1:test.c:558:9 > 9
7 F:4:23:UI1:test.c:559:10 > 11
8 E:test_gt_ushort:N:5:F:4:D:0.014292

```

1.1.87 Test Case - test_gt_uptr

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014814s.

Table 80: Test Failures

Step	File	Line	Failure Message
1	test.c	1706	3 > 3
*	test.c	1708	6 > 6
3	test.c	1710	9 > 9
4	test.c	1711	10 > 11

Listing 87: Test Log

```

1 B:test_gt_uptr
2 P:0:23:UI1:test.c:1705
3 F:1:23:UI1:test.c:1706:3 > 3
4 F*:23:UI1:test.c:1708:6 > 6
5 P:2:23:UI1:test.c:1709
6 F:3:23:UI1:test.c:1710:9 > 9
7 F:4:23:UI1:test.c:1711:10 > 11
8 E:test_gt_uptr:N:5:F:4:D:0.014814

```

1.1.88 Test Case - test_gt_ulong

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014293s.

Table 81: Test Failures

Step	File	Line	Failure Message
1	test.c	842	3 > 3
*	test.c	844	6 > 6
3	test.c	846	9 > 9
4	test.c	847	10 > 11

Listing 88: Test Log

```

1 B:test_gt_ulong
2 P:0:23:UI1:test.c:841
3 F:1:23:UI1:test.c:842:3 > 3
4 F*:23:UI1:test.c:844:6 > 6
5 P:2:23:UI1:test.c:845
6 F:3:23:UI1:test.c:846:9 > 9
7 F:4:23:UI1:test.c:847:10 > 11
8 E:test_gt_ulong:N:5:F:4:D:0.014293

```

1.1.89 Test Case - test_gt_ull

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014292s.

Table 82: Test Failures

Step	File	Line	Failure Message
1	test.c	986	3 > 3
*	test.c	988	6 > 6
3	test.c	990	9 > 9
4	test.c	991	10 > 11

Listing 89: Test Log

```

1 B:test_gt_ull
2 P:0:23:UI1:test.c:985
3 F:1:23:UI1:test.c:986:3 > 3
4 F*:23:UI1:test.c:988:6 > 6
5 P:2:23:UI1:test.c:989
6 F:3:23:UI1:test.c:990:9 > 9
7 F:4:23:UI1:test.c:991:10 > 11
8 E:test_gt_ull:N:5:F:4:D:0.014292

```

1.1.90 Test Case - test_gt_uint

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014293s.

Table 83: Test Failures

Step	File	Line	Failure Message
1	test.c	698	3 > 3
*	test.c	700	6 > 6
3	test.c	702	9 > 9
4	test.c	703	10 > 11

Listing 90: Test Log

```

1 B:test_gt_uint
2 P:0:23:UI1:test.c:697
3 F:1:23:UI1:test.c:698:3 > 3
4 F*:23:UI1:test.c:700:6 > 6
5 P:2:23:UI1:test.c:701
6 F:3:23:UI1:test.c:702:9 > 9
7 F:4:23:UI1:test.c:703:10 > 11
8 E:test_gt_uint:N:5:F:4:D:0.014293

```

1.1.91 Test Case - test_gt_uchar

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014291s.

Table 84: Test Failures

Step	File	Line	Failure Message
1	test.c	410	3 > 3
*	test.c	412	6 > 6
3	test.c	414	9 > 9
4	test.c	415	10 > 11

Listing 91: Test Log

```

1 B:test_gt_uchar
2 P:0:23:UI1:test.c:409
3 F:1:23:UI1:test.c:410:3 > 3
4 F*:23:UI1:test.c:412:6 > 6
5 P:2:23:UI1:test.c:413
6 F:3:23:UI1:test.c:414:9 > 9
7 F:4:23:UI1:test.c:415:10 > 11
8 E:test_gt_uchar:N:5:F:4:D:0.014291

```

1.1.92 Test Case - test_gt_u8

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014814s.

Table 85: Test Failures

Step	File	Line	Failure Message
1	test.c	1130	3 > 3
*	test.c	1132	6 > 6
3	test.c	1134	9 > 9
4	test.c	1135	10 > 11

Listing 92: Test Log

```

1 B:test_gt_u8
2 P:0:23:UI1:test.c:1129
3 F:1:23:UI1:test.c:1130:3 > 3
4 F*:23:UI1:test.c:1132:6 > 6
5 P:2:23:UI1:test.c:1133
6 F:3:23:UI1:test.c:1134:9 > 9
7 F:4:23:UI1:test.c:1135:10 > 11
8 E:test_gt_u8:N:5:F:4:D:0.014814

```

1.1.93 Test Case - test_gt_u64

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014814s.

Table 86: Test Failures

Step	File	Line	Failure Message
1	test.c	1562	3 > 3
*	test.c	1564	6 > 6
3	test.c	1566	9 > 9
4	test.c	1567	10 > 11

Listing 93: Test Log

```

1 B:test_gt_u64
2 P:0:23:UI1:test.c:1561
3 F:1:23:UI1:test.c:1562:3 > 3
4 F*:23:UI1:test.c:1564:6 > 6
5 P:2:23:UI1:test.c:1565
6 F:3:23:UI1:test.c:1566:9 > 9
7 F:4:23:UI1:test.c:1567:10 > 11
8 E:test_gt_u64:N:5:F:4:D:0.014814

```

1.1.94 Test Case - test_gt_u32

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014816s.

Table 87: Test Failures

Step	File	Line	Failure Message
1	test.c	1418	3 > 3
*	test.c	1420	6 > 6
3	test.c	1422	9 > 9
4	test.c	1423	10 > 11

Listing 94: Test Log

```

1 B:test_gt_u32
2 P:0:23:UI1:test.c:1417
3 F:1:23:UI1:test.c:1418:3 > 3
4 F*:23:UI1:test.c:1420:6 > 6
5 P:2:23:UI1:test.c:1421
6 F:3:23:UI1:test.c:1422:9 > 9
7 F:4:23:UI1:test.c:1423:10 > 11
8 E:test_gt_u32:N:5:F:4:D:0.014816

```

1.1.95 Test Case - test_gt_u16

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014815s.

Table 88: Test Failures

Step	File	Line	Failure Message
1	test.c	1274	3 > 3
*	test.c	1276	6 > 6
3	test.c	1278	9 > 9
4	test.c	1279	10 > 11

Listing 95: Test Log

```

1 B:test_gt_u16
2 P:0:23:UI1:test.c:1273
3 F:1:23:UI1:test.c:1274:3 > 3
4 F*:23:UI1:test.c:1276:6 > 6
5 P:2:23:UI1:test.c:1277
6 F:3:23:UI1:test.c:1278:9 > 9
7 F:4:23:UI1:test.c:1279:10 > 11
8 E:test_gt_u16:N:5:F:4:D:0.014815

```

1.1.96 Test Case - test_gt_sz

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014812s.

Table 89: Test Failures

Step	File	Line	Failure Message
1	test.c	1850	3 > 3
*	test.c	1852	6 > 6
3	test.c	1854	9 > 9
4	test.c	1855	10 > 11

Listing 96: Test Log

```

1 B:test_gt_sz
2 P:0:23:UI1:test.c:1849
3 F:1:23:UI1:test.c:1850:3 > 3
4 F*:23:UI1:test.c:1852:6 > 6
5 P:2:23:UI1:test.c:1853
6 F:3:23:UI1:test.c:1854:9 > 9
7 F:4:23:UI1:test.c:1855:10 > 11
8 E:test_gt_sz:N:5:F:4:D:0.014812

```

1.1.97 Test Case - test_gt_ssz

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014814s.

Table 90: Test Failures

Step	File	Line	Failure Message
1	test.c	1778	3 > 3
*	test.c	1780	6 > 6
3	test.c	1782	9 > 9
4	test.c	1783	10 > 11

Listing 97: Test Log

```

1 B:test_gt_ssz
2 P:0:23:UI1:test.c:1777
3 F:1:23:UI1:test.c:1778:3 > 3
4 F*:23:UI1:test.c:1780:6 > 6
5 P:2:23:UI1:test.c:1781
6 F:3:23:UI1:test.c:1782:9 > 9
7 F:4:23:UI1:test.c:1783:10 > 11
8 E:test_gt_ssz:N:5:F:4:D:0.014814

```

1.1.98 Test Case - test_gt_short

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014293s.

Table 91: Test Failures

Step	File	Line	Failure Message
1	test.c	482	3 > 3
*	test.c	484	6 > 6
3	test.c	486	9 > 9
4	test.c	487	10 > 11

Listing 98: Test Log

```

1 B:test_gt_short
2 P:0:23:UI1:test.c:481
3 F:1:23:UI1:test.c:482:3 > 3
4 F*:23:UI1:test.c:484:6 > 6
5 P:2:23:UI1:test.c:485
6 F:3:23:UI1:test.c:486:9 > 9
7 F:4:23:UI1:test.c:487:10 > 11
8 E:test_gt_short:N:5:F:4:D:0.014293

```

1.1.99 Test Case - test_gt_schar

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014292s.

Table 92: Test Failures

Step	File	Line	Failure Message
1	test.c	338	3 > 3
*	test.c	340	6 > 6
3	test.c	342	9 > 9
4	test.c	343	10 > 11

Listing 99: Test Log

```

1 B:test_gt_schar
2 P:0:23:UI1:test.c:337
3 F:1:23:UI1:test.c:338:3 > 3
4 F*:23:UI1:test.c:340:6 > 6
5 P:2:23:UI1:test.c:341
6 F:3:23:UI1:test.c:342:9 > 9
7 F:4:23:UI1:test.c:343:10 > 11
8 E:test_gt_schar:N:5:F:4:D:0.014292

```

1.1.100 Test Case - test_gt_long

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014291s.

Table 93: Test Failures

Step	File	Line	Failure Message
1	test.c	770	3 > 3
*	test.c	772	6 > 6
3	test.c	774	9 > 9
4	test.c	775	10 > 11

Listing 100: Test Log

```

1 B:test_gt_long
2 P:0:23:UI1:test.c:769
3 F:1:23:UI1:test.c:770:3 > 3
4 F*:23:UI1:test.c:772:6 > 6
5 P:2:23:UI1:test.c:773
6 F:3:23:UI1:test.c:774:9 > 9
7 F:4:23:UI1:test.c:775:10 > 11
8 E:test_gt_long:N:5:F:4:D:0.014291

```

1.1.101 Test Case - test_gt_ll

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014292s.

Table 94: Test Failures

Step	File	Line	Failure Message
1	test.c	914	3 > 3
*	test.c	916	6 > 6
3	test.c	918	9 > 9
4	test.c	919	10 > 11

Listing 101: Test Log

```

1 B:test_gt_ll
2 P:0:23:UI1:test.c:913
3 F:1:23:UI1:test.c:914:3 > 3
4 F*:23:UI1:test.c:916:6 > 6
5 P:2:23:UI1:test.c:917
6 F:3:23:UI1:test.c:918:9 > 9
7 F:4:23:UI1:test.c:919:10 > 11
8 E:test_gt_ll:N:5:F:4:D:0.014292

```

1.1.102 Test Case - test_gt_iptr

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014816s.

Table 95: Test Failures

Step	File	Line	Failure Message
1	test.c	1634	3 > 3
*	test.c	1636	6 > 6
3	test.c	1638	9 > 9
4	test.c	1639	10 > 11

Listing 102: Test Log

```

1 B:test_gt_iptr
2 P:0:23:UI1:test.c:1633
3 F:1:23:UI1:test.c:1634:3 > 3
4 F*:23:UI1:test.c:1636:6 > 6
5 P:2:23:UI1:test.c:1637
6 F:3:23:UI1:test.c:1638:9 > 9
7 F:4:23:UI1:test.c:1639:10 > 11
8 E:test_gt_iptr:N:5:F:4:D:0.014816

```

1.1.103 Test Case - test_gt_int

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014292s.

Table 96: Test Failures

Step	File	Line	Failure Message
1	test.c	626	3 > 3
*	test.c	628	6 > 6
3	test.c	630	9 > 9
4	test.c	631	10 > 11

Listing 103: Test Log

```

1 B:test_gt_int
2 P:0:23:UI1:test.c:625
3 F:1:23:UI1:test.c:626:3 > 3
4 F*:23:UI1:test.c:628:6 > 6
5 P:2:23:UI1:test.c:629
6 F:3:23:UI1:test.c:630:9 > 9
7 F:4:23:UI1:test.c:631:10 > 11
8 E:test_gt_int:N:5:F:4:D:0.014292

```

1.1.104 Test Case - test_gt_i8

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014815s.

Table 97: Test Failures

Step	File	Line	Failure Message
1	test.c	1058	3 > 3
*	test.c	1060	6 > 6
3	test.c	1062	9 > 9
4	test.c	1063	10 > 11

Listing 104: Test Log

```

1 B:test_gt_i8
2 P:0:23:UI1:test.c:1057
3 F:1:23:UI1:test.c:1058:3 > 3
4 F*:23:UI1:test.c:1060:6 > 6
5 P:2:23:UI1:test.c:1061
6 F:3:23:UI1:test.c:1062:9 > 9
7 F:4:23:UI1:test.c:1063:10 > 11
8 E:test_gt_i8:N:5:F:4:D:0.014815

```

1.1.105 Test Case - test_gt_i64

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014812s.

Table 98: Test Failures

Step	File	Line	Failure Message
1	test.c	1490	3 > 3
*	test.c	1492	6 > 6
3	test.c	1494	9 > 9
4	test.c	1495	10 > 11

Listing 105: Test Log

```

1 B:test_gt_i64
2 P:0:23:UI1:test.c:1489
3 F:1:23:UI1:test.c:1490:3 > 3
4 F*:23:UI1:test.c:1492:6 > 6
5 P:2:23:UI1:test.c:1493
6 F:3:23:UI1:test.c:1494:9 > 9
7 F:4:23:UI1:test.c:1495:10 > 11
8 E:test_gt_i64:N:5:F:4:D:0.014812

```

1.1.106 Test Case - test_gt_i32

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014814s.

Table 99: Test Failures

Step	File	Line	Failure Message
1	test.c	1346	3 > 3
*	test.c	1348	6 > 6
3	test.c	1350	9 > 9
4	test.c	1351	10 > 11

Listing 106: Test Log

```

1 B:test_gt_i32
2 P:0:23:UI1:test.c:1345
3 F:1:23:UI1:test.c:1346:3 > 3
4 F*:23:UI1:test.c:1348:6 > 6
5 P:2:23:UI1:test.c:1349
6 F:3:23:UI1:test.c:1350:9 > 9
7 F:4:23:UI1:test.c:1351:10 > 11
8 E:test_gt_i32:N:5:F:4:D:0.014814

```

1.1.107 Test Case - test_gt_i16

In this test case 5 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.014814s.

Table 100: Test Failures

Step	File	Line	Failure Message
1	test.c	1202	3 > 3
*	test.c	1204	6 > 6
3	test.c	1206	9 > 9
4	test.c	1207	10 > 11

Listing 107: Test Log

```

1 B:test_gt_i16
2 P:0:23:UI1:test.c:1201
3 F:1:23:UI1:test.c:1202:3 > 3
4 F*:23:UI1:test.c:1204:6 > 6
5 P:2:23:UI1:test.c:1205
6 F:3:23:UI1:test.c:1206:9 > 9
7 F:4:23:UI1:test.c:1207:10 > 11
8 E:test_gt_i16:N:5:F:4:D:0.014814

```

1.1.108 Test Case - test_ge_ushort

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016640s.

Table 101: Test Failures

Step	File	Line	Failure Message
1	test.c	542	2 >= 3
*	test.c	544	5 >= 6
3	test.c	546	8 >= 9
5	test.c	548	11 >= 12

Listing 108: Test Log

```

1 B:test_ge_ushort
2 P:0:23:UI1:test.c:541
3 F:1:23:UI1:test.c:542:2 >= 3
4 F*:23:UI1:test.c:544:5 >= 6
5 P:2:23:UI1:test.c:545
6 F:3:23:UI1:test.c:546:8 >= 9
7 P:4:23:UI1:test.c:547
8 F:5:23:UI1:test.c:548:11 >= 12
9 E:test_ge_ushort:N:6:F:4:D:0.016640

```

1.1.109 Test Case - test_ge_uptr

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017249s.

Table 102: Test Failures

Step	File	Line	Failure Message
1	test.c	1694	2 >= 3
*	test.c	1696	5 >= 6
3	test.c	1698	8 >= 9
5	test.c	1700	11 >= 12

Listing 109: Test Log

```

1 B:test_ge_uptr
2 P:0:23:UI1:test.c:1693
3 F:1:23:UI1:test.c:1694:2 >= 3
4 F*:23:UI1:test.c:1696:5 >= 6
5 P:2:23:UI1:test.c:1697
6 F:3:23:UI1:test.c:1698:8 >= 9
7 P:4:23:UI1:test.c:1699
8 F:5:23:UI1:test.c:1700:11 >= 12
9 E:test_ge_uptr:N:6:F:4:D:0.017249

```

1.1.110 Test Case - test_ge_ulong

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016640s.

Table 103: Test Failures

Step	File	Line	Failure Message
1	test.c	830	2 >= 3
*	test.c	832	5 >= 6
3	test.c	834	8 >= 9
5	test.c	836	11 >= 12

Listing 110: Test Log

```

1 B:test_ge_ulong
2 P:0:23:UI1:test.c:829
3 F:1:23:UI1:test.c:830:2 >= 3
4 F*:23:UI1:test.c:832:5 >= 6
5 P:2:23:UI1:test.c:833
6 F:3:23:UI1:test.c:834:8 >= 9
7 P:4:23:UI1:test.c:835
8 F:5:23:UI1:test.c:836:11 >= 12
9 E:test_ge_ulong:N:6:F:4:D:0.016640

```

1.1.111 Test Case - test_ge_ull

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 104: Test Failures

Step	File	Line	Failure Message
1	test.c	974	2 >= 3
*	test.c	976	5 >= 6
3	test.c	978	8 >= 9
5	test.c	980	11 >= 12

Listing 111: Test Log

```

1 B:test_ge_ull
2 P:0:23:UI1:test.c:973
3 F:1:23:UI1:test.c:974:2 >= 3
4 F*:23:UI1:test.c:976:5 >= 6
5 P:2:23:UI1:test.c:977
6 F:3:23:UI1:test.c:978:8 >= 9
7 P:4:23:UI1:test.c:979
8 F:5:23:UI1:test.c:980:11 >= 12
9 E:test_ge_ull:N:6:F:4:D:0.016639

```

1.1.112 Test Case - test_ge_uint

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016640s.

Table 105: Test Failures

Step	File	Line	Failure Message
1	test.c	686	2 >= 3
*	test.c	688	5 >= 6
3	test.c	690	8 >= 9
5	test.c	692	11 >= 12

Listing 112: Test Log

```

1 B:test_ge_uint
2 P:0:23:UI1:test.c:685
3 F:1:23:UI1:test.c:686:2 >= 3
4 F*:23:UI1:test.c:688:5 >= 6
5 P:2:23:UI1:test.c:689
6 F:3:23:UI1:test.c:690:8 >= 9
7 P:4:23:UI1:test.c:691
8 F:5:23:UI1:test.c:692:11 >= 12
9 E:test_ge_uint:N:6:F:4:D:0.016640

```

1.1.113 Test Case - test_ge_uchar

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 106: Test Failures

Step	File	Line	Failure Message
1	test.c	398	2 >= 3
*	test.c	400	5 >= 6
3	test.c	402	8 >= 9
5	test.c	404	11 >= 12

Listing 113: Test Log

```

1 B:test_ge_uchar
2 P:0:23:UI1:test.c:397
3 F:1:23:UI1:test.c:398:2 >= 3
4 F*:23:UI1:test.c:400:5 >= 6
5 P:2:23:UI1:test.c:401
6 F:3:23:UI1:test.c:402:8 >= 9
7 P:4:23:UI1:test.c:403
8 F:5:23:UI1:test.c:404:11 >= 12
9 E:test_ge_uchar:N:6:F:4:D:0.016639

```

1.1.114 Test Case - test_ge_u8

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 107: Test Failures

Step	File	Line	Failure Message
1	test.c	1118	2 >= 3
*	test.c	1120	5 >= 6
3	test.c	1122	8 >= 9
5	test.c	1124	11 >= 12

Listing 114: Test Log

```

1 B:test_ge_u8
2 P:0:23:UI1:test.c:1117
3 F:1:23:UI1:test.c:1118:2 >= 3
4 F*:23:UI1:test.c:1120:5 >= 6
5 P:2:23:UI1:test.c:1121
6 F:3:23:UI1:test.c:1122:8 >= 9
7 P:4:23:UI1:test.c:1123
8 F:5:23:UI1:test.c:1124:11 >= 12
9 E:test_ge_u8:N:6:F:4:D:0.017248

```

1.1.115 Test Case - test_ge_u64

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 108: Test Failures

Step	File	Line	Failure Message
1	test.c	1550	2 >= 3
*	test.c	1552	5 >= 6
3	test.c	1554	8 >= 9
5	test.c	1556	11 >= 12

Listing 115: Test Log

```

1 B:test_ge_u64
2 P:0:23:UI1:test.c:1549
3 F:1:23:UI1:test.c:1550:2 >= 3
4 F*:23:UI1:test.c:1552:5 >= 6
5 P:2:23:UI1:test.c:1553
6 F:3:23:UI1:test.c:1554:8 >= 9
7 P:4:23:UI1:test.c:1555
8 F:5:23:UI1:test.c:1556:11 >= 12
9 E:test_ge_u64:N:6:F:4:D:0.017248

```

1.1.116 Test Case - test_ge_u32

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 109: Test Failures

Step	File	Line	Failure Message
1	test.c	1406	2 >= 3
*	test.c	1408	5 >= 6
3	test.c	1410	8 >= 9
5	test.c	1412	11 >= 12

Listing 116: Test Log

```

1 B:test_ge_u32
2 P:0:23:UI1:test.c:1405
3 F:1:23:UI1:test.c:1406:2 >= 3
4 F*:23:UI1:test.c:1408:5 >= 6
5 P:2:23:UI1:test.c:1409
6 F:3:23:UI1:test.c:1410:8 >= 9
7 P:4:23:UI1:test.c:1411
8 F:5:23:UI1:test.c:1412:11 >= 12
9 E:test_ge_u32:N:6:F:4:D:0.017248

```

1.1.117 Test Case - test_ge_u16

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 110: Test Failures

Step	File	Line	Failure Message
1	test.c	1262	2 >= 3
*	test.c	1264	5 >= 6
3	test.c	1266	8 >= 9
5	test.c	1268	11 >= 12

Listing 117: Test Log

```

1 B:test_ge_u16
2 P:0:23:UI1:test.c:1261
3 F:1:23:UI1:test.c:1262:2 >= 3
4 F*:23:UI1:test.c:1264:5 >= 6
5 P:2:23:UI1:test.c:1265
6 F:3:23:UI1:test.c:1266:8 >= 9
7 P:4:23:UI1:test.c:1267
8 F:5:23:UI1:test.c:1268:11 >= 12
9 E:test_ge_u16:N:6:F:4:D:0.017248

```

1.1.118 Test Case - test_ge_sz

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017247s.

Table 111: Test Failures

Step	File	Line	Failure Message
1	test.c	1838	2 >= 3
*	test.c	1840	5 >= 6
3	test.c	1842	8 >= 9
5	test.c	1844	11 >= 12

Listing 118: Test Log

```

1 B:test_ge_sz
2 P:0:23:UI1:test.c:1837
3 F:1:23:UI1:test.c:1838:2 >= 3
4 F*:23:UI1:test.c:1840:5 >= 6
5 P:2:23:UI1:test.c:1841
6 F:3:23:UI1:test.c:1842:8 >= 9
7 P:4:23:UI1:test.c:1843
8 F:5:23:UI1:test.c:1844:11 >= 12
9 E:test_ge_sz:N:6:F:4:D:0.017247

```

1.1.119 Test Case - test_ge_ssz

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 112: Test Failures

Step	File	Line	Failure Message
1	test.c	1766	2 >= 3
*	test.c	1768	5 >= 6
3	test.c	1770	8 >= 9
5	test.c	1772	11 >= 12

Listing 119: Test Log

```

1 B:test_ge_ssz
2 P:0:23:UI1:test.c:1765
3 F:1:23:UI1:test.c:1766:2 >= 3
4 F*:23:UI1:test.c:1768:5 >= 6
5 P:2:23:UI1:test.c:1769
6 F:3:23:UI1:test.c:1770:8 >= 9
7 P:4:23:UI1:test.c:1771
8 F:5:23:UI1:test.c:1772:11 >= 12
9 E:test_ge_ssz:N:6:F:4:D:0.017248

```

1.1.120 Test Case - test_ge_short

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016640s.

Table 113: Test Failures

Step	File	Line	Failure Message
1	test.c	470	2 >= 3
*	test.c	472	5 >= 6
3	test.c	474	8 >= 9
5	test.c	476	11 >= 12

Listing 120: Test Log

```

1 B:test_ge_short
2 P:0:23:UI1:test.c:469
3 F:1:23:UI1:test.c:470:2 >= 3
4 F*:23:UI1:test.c:472:5 >= 6
5 P:2:23:UI1:test.c:473
6 F:3:23:UI1:test.c:474:8 >= 9
7 P:4:23:UI1:test.c:475
8 F:5:23:UI1:test.c:476:11 >= 12
9 E:test_ge_short:N:6:F:4:D:0.016640

```

1.1.121 Test Case - test_ge_schar

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016640s.

Table 114: Test Failures

Step	File	Line	Failure Message
1	test.c	326	2 >= 3
*	test.c	328	5 >= 6
3	test.c	330	8 >= 9
5	test.c	332	11 >= 12

Listing 121: Test Log

```

1 B:test_ge_schar
2 P:0:23:UI1:test.c:325
3 F:1:23:UI1:test.c:326:2 >= 3
4 F*:23:UI1:test.c:328:5 >= 6
5 P:2:23:UI1:test.c:329
6 F:3:23:UI1:test.c:330:8 >= 9
7 P:4:23:UI1:test.c:331
8 F:5:23:UI1:test.c:332:11 >= 12
9 E:test_ge_schar:N:6:F:4:D:0.016640

```

1.1.122 Test Case - test_ge_long

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 115: Test Failures

Step	File	Line	Failure Message
1	test.c	758	2 >= 3
*	test.c	760	5 >= 6
3	test.c	762	8 >= 9
5	test.c	764	11 >= 12

Listing 122: Test Log

```

1 B:test_ge_long
2 P:0:23:UI1:test.c:757
3 F:1:23:UI1:test.c:758:2 >= 3
4 F*:23:UI1:test.c:760:5 >= 6
5 P:2:23:UI1:test.c:761
6 F:3:23:UI1:test.c:762:8 >= 9
7 P:4:23:UI1:test.c:763
8 F:5:23:UI1:test.c:764:11 >= 12
9 E:test_ge_long:N:6:F:4:D:0.016639

```

1.1.123 Test Case - test_ge_ll

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 116: Test Failures

Step	File	Line	Failure Message
1	test.c	902	2 >= 3
*	test.c	904	5 >= 6
3	test.c	906	8 >= 9
5	test.c	908	11 >= 12

Listing 123: Test Log

```

1 B:test_ge_ll
2 P:0:23:UI1:test.c:901
3 F:1:23:UI1:test.c:902:2 >= 3
4 F*:23:UI1:test.c:904:5 >= 6
5 P:2:23:UI1:test.c:905
6 F:3:23:UI1:test.c:906:8 >= 9
7 P:4:23:UI1:test.c:907
8 F:5:23:UI1:test.c:908:11 >= 12
9 E:test_ge_ll:N:6:F:4:D:0.016639

```

1.1.124 Test Case - test_ge_iptr

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 117: Test Failures

Step	File	Line	Failure Message
1	test.c	1622	2 >= 3
*	test.c	1624	5 >= 6
3	test.c	1626	8 >= 9
5	test.c	1628	11 >= 12

Listing 124: Test Log

```

1 B:test_ge_iptr
2 P:0:23:UI1:test.c:1621
3 F:1:23:UI1:test.c:1622:2 >= 3
4 F*:23:UI1:test.c:1624:5 >= 6
5 P:2:23:UI1:test.c:1625
6 F:3:23:UI1:test.c:1626:8 >= 9
7 P:4:23:UI1:test.c:1627
8 F:5:23:UI1:test.c:1628:11 >= 12
9 E:test_ge_iptr:N:6:F:4:D:0.017248

```

1.1.125 Test Case - test_ge_int

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016641s.

Table 118: Test Failures

Step	File	Line	Failure Message
1	test.c	614	2 >= 3
*	test.c	616	5 >= 6
3	test.c	618	8 >= 9
5	test.c	620	11 >= 12

Listing 125: Test Log

```

1 B:test_ge_int
2 P:0:23:UI1:test.c:613
3 F:1:23:UI1:test.c:614:2 >= 3
4 F*:23:UI1:test.c:616:5 >= 6
5 P:2:23:UI1:test.c:617
6 F:3:23:UI1:test.c:618:8 >= 9
7 P:4:23:UI1:test.c:619
8 F:5:23:UI1:test.c:620:11 >= 12
9 E:test_ge_int:N:6:F:4:D:0.016641

```

1.1.126 Test Case - test_ge_i8

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 119: Test Failures

Step	File	Line	Failure Message
1	test.c	1046	2 >= 3
*	test.c	1048	5 >= 6
3	test.c	1050	8 >= 9
5	test.c	1052	11 >= 12

Listing 126: Test Log

```

1 B:test_ge_i8
2 P:0:23:UI1:test.c:1045
3 F:1:23:UI1:test.c:1046:2 >= 3
4 F*:23:UI1:test.c:1048:5 >= 6
5 P:2:23:UI1:test.c:1049
6 F:3:23:UI1:test.c:1050:8 >= 9
7 P:4:23:UI1:test.c:1051
8 F:5:23:UI1:test.c:1052:11 >= 12
9 E:test_ge_i8:N:6:F:4:D:0.017248

```

1.1.127 Test Case - test_ge_i64

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017249s.

Table 120: Test Failures

Step	File	Line	Failure Message
1	test.c	1478	2 >= 3
*	test.c	1480	5 >= 6
3	test.c	1482	8 >= 9
5	test.c	1484	11 >= 12

Listing 127: Test Log

```

1 B:test_ge_i64
2 P:0:23:UI1:test.c:1477
3 F:1:23:UI1:test.c:1478:2 >= 3
4 F*:23:UI1:test.c:1480:5 >= 6
5 P:2:23:UI1:test.c:1481
6 F:3:23:UI1:test.c:1482:8 >= 9
7 P:4:23:UI1:test.c:1483
8 F:5:23:UI1:test.c:1484:11 >= 12
9 E:test_ge_i64:N:6:F:4:D:0.017249

```

1.1.128 Test Case - test_ge_i32

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 121: Test Failures

Step	File	Line	Failure Message
1	test.c	1334	2 >= 3
*	test.c	1336	5 >= 6
3	test.c	1338	8 >= 9
5	test.c	1340	11 >= 12

Listing 128: Test Log

```

1 B:test_ge_i32
2 P:0:23:UI1:test.c:1333
3 F:1:23:UI1:test.c:1334:2 >= 3
4 F*:23:UI1:test.c:1336:5 >= 6
5 P:2:23:UI1:test.c:1337
6 F:3:23:UI1:test.c:1338:8 >= 9
7 P:4:23:UI1:test.c:1339
8 F:5:23:UI1:test.c:1340:11 >= 12
9 E:test_ge_i32:N:6:F:4:D:0.017248

```

1.1.129 Test Case - test_ge_i16

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 122: Test Failures

Step	File	Line	Failure Message
1	test.c	1190	2 >= 3
*	test.c	1192	5 >= 6
3	test.c	1194	8 >= 9
5	test.c	1196	11 >= 12

Listing 129: Test Log

```

1 B:test_ge_i16
2 P:0:23:UI1:test.c:1189
3 F:1:23:UI1:test.c:1190:2 >= 3
4 F*:23:UI1:test.c:1192:5 >= 6
5 P:2:23:UI1:test.c:1193
6 F:3:23:UI1:test.c:1194:8 >= 9
7 P:4:23:UI1:test.c:1195
8 F:5:23:UI1:test.c:1196:11 >= 12
9 E:test_ge_i16:N:6:F:4:D:0.017248

```

1.1.130 Test Case - test_false

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.015509s.

Table 123: Test Failures

Step	File	Line	Failure Message
1	test.c	82	a
*	test.c	84	ab 0
3	test.c	86	abc 0
5	test.c	88	abcd 0 1 2

Listing 130: Test Log

```

1 B:test_false
2 P:0:23:UI1:test.c:81
3 F:1:23:UI1:test.c:82:a
4 F*:23:UI1:test.c:84:ab 0
5 P:2:23:UI1:test.c:85
6 F:3:23:UI1:test.c:86:abc 0
7 P:4:23:UI1:test.c:87
8 F:5:23:UI1:test.c:88:abcd 0 1 2
9 E:test_false:N:6:F:4:D:0.015509

```

1.1.131 Test Case - test_eq_ushort

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016640s.

Table 124: Test Failures

Step	File	Line	Failure Message
1	test.c	518	2 == 3
*	test.c	520	5 == 6
3	test.c	522	8 == 9
5	test.c	524	11 == 12

Listing 131: Test Log

```

1 B:test_eq_ushort
2 P:0:23:UI1:test.c:517
3 F:1:23:UI1:test.c:518:2 == 3
4 F*:23:UI1:test.c:520:5 == 6
5 P:2:23:UI1:test.c:521
6 F:3:23:UI1:test.c:522:8 == 9
7 P:4:23:UI1:test.c:523
8 F:5:23:UI1:test.c:524:11 == 12
9 E:test_eq_ushort:N:6:F:4:D:0.016640

```

1.1.132 Test Case - test_eq_uptr

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 125: Test Failures

Step	File	Line	Failure Message
1	test.c	1670	2 == 3
*	test.c	1672	5 == 6
3	test.c	1674	8 == 9
5	test.c	1676	11 == 12

Listing 132: Test Log

```

1 B:test_eq_uptr
2 P:0:23:UI1:test.c:1669
3 F:1:23:UI1:test.c:1670:2 == 3
4 F*:23:UI1:test.c:1672:5 == 6
5 P:2:23:UI1:test.c:1673
6 F:3:23:UI1:test.c:1674:8 == 9
7 P:4:23:UI1:test.c:1675
8 F:5:23:UI1:test.c:1676:11 == 12
9 E:test_eq_uptr:N:6:F:4:D:0.017248

```

1.1.133 Test Case - test_eq_ulong

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016640s.

Table 126: Test Failures

Step	File	Line	Failure Message
1	test.c	806	2 == 3
*	test.c	808	5 == 6
3	test.c	810	8 == 9
5	test.c	812	11 == 12

Listing 133: Test Log

```

1 B:test_eq_ulong
2 P:0:23:UI1:test.c:805
3 F:1:23:UI1:test.c:806:2 == 3
4 F*:23:UI1:test.c:808:5 == 6
5 P:2:23:UI1:test.c:809
6 F:3:23:UI1:test.c:810:8 == 9
7 P:4:23:UI1:test.c:811
8 F:5:23:UI1:test.c:812:11 == 12
9 E:test_eq_ulong:N:6:F:4:D:0.016640

```

1.1.134 Test Case - test_eq_ull

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 127: Test Failures

Step	File	Line	Failure Message
1	test.c	950	2 == 3
*	test.c	952	5 == 6
3	test.c	954	8 == 9
5	test.c	956	11 == 12

Listing 134: Test Log

```

1 B:test_eq_u1l
2 P:0:23:UI1:test.c:949
3 F:1:23:UI1:test.c:950:2 == 3
4 F*:23:UI1:test.c:952:5 == 6
5 P:2:23:UI1:test.c:953
6 F:3:23:UI1:test.c:954:8 == 9
7 P:4:23:UI1:test.c:955
8 F:5:23:UI1:test.c:956:11 == 12
9 E:test_eq_u1l:N:6:F:4:D:0.016639

```

1.1.135 Test Case - test_eq_uint

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 128: Test Failures

Step	File	Line	Failure Message
1	test.c	662	2 == 3
*	test.c	664	5 == 6
3	test.c	666	8 == 9
5	test.c	668	11 == 12

Listing 135: Test Log

```

1 B:test_eq_uint
2 P:0:23:UI1:test.c:661
3 F:1:23:UI1:test.c:662:2 == 3
4 F*:23:UI1:test.c:664:5 == 6
5 P:2:23:UI1:test.c:665
6 F:3:23:UI1:test.c:666:8 == 9
7 P:4:23:UI1:test.c:667
8 F:5:23:UI1:test.c:668:11 == 12
9 E:test_eq_uint:N:6:F:4:D:0.016639

```

1.1.136 Test Case - test_eq_uchar

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 129: Test Failures

Step	File	Line	Failure Message
1	test.c	374	2 == 3
*	test.c	376	5 == 6
3	test.c	378	8 == 9
5	test.c	380	11 == 12

Listing 136: Test Log

```

1 B:test_eq_uchar
2 P:0:23:UI1:test.c:373
3 F:1:23:UI1:test.c:374:2 == 3
4 F*:23:UI1:test.c:376:5 == 6
5 P:2:23:UI1:test.c:377
6 F:3:23:UI1:test.c:378:8 == 9
7 P:4:23:UI1:test.c:379
8 F:5:23:UI1:test.c:380:11 == 12
9 E:test_eq_uchar:N:6:F:4:D:0.016639

```

1.1.137 Test Case - test_eq_u8

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017249s.

Table 130: Test Failures

Step	File	Line	Failure Message
1	test.c	1094	2 == 3
*	test.c	1096	5 == 6
3	test.c	1098	8 == 9
5	test.c	1100	11 == 12

Listing 137: Test Log

```

1 B:test_eq_u8
2 P:0:23:UI1:test.c:1093
3 F:1:23:UI1:test.c:1094:2 == 3
4 F*:23:UI1:test.c:1096:5 == 6
5 P:2:23:UI1:test.c:1097
6 F:3:23:UI1:test.c:1098:8 == 9
7 P:4:23:UI1:test.c:1099
8 F:5:23:UI1:test.c:1100:11 == 12
9 E:test_eq_u8:N:6:F:4:D:0.017249

```

1.1.138 Test Case - test_eq_u64

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017247s.

Table 131: Test Failures

Step	File	Line	Failure Message
1	test.c	1526	2 == 3
*	test.c	1528	5 == 6
3	test.c	1530	8 == 9
5	test.c	1532	11 == 12

Listing 138: Test Log

```

1 B:test_eq_u64
2 P:0:23:UI1:test.c:1525
3 F:1:23:UI1:test.c:1526:2 == 3
4 F*:23:UI1:test.c:1528:5 == 6
5 P:2:23:UI1:test.c:1529
6 F:3:23:UI1:test.c:1530:8 == 9
7 P:4:23:UI1:test.c:1531
8 F:5:23:UI1:test.c:1532:11 == 12
9 E:test_eq_u64:N:6:F:4:D:0.017247

```

1.1.139 Test Case - test_eq_u32

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017249s.

Table 132: Test Failures

Step	File	Line	Failure Message
1	test.c	1382	2 == 3
*	test.c	1384	5 == 6
3	test.c	1386	8 == 9
5	test.c	1388	11 == 12

Listing 139: Test Log

```

1 B:test_eq_u32
2 P:0:23:UI1:test.c:1381
3 F:1:23:UI1:test.c:1382:2 == 3
4 F*:23:UI1:test.c:1384:5 == 6
5 P:2:23:UI1:test.c:1385
6 F:3:23:UI1:test.c:1386:8 == 9
7 P:4:23:UI1:test.c:1387
8 F:5:23:UI1:test.c:1388:11 == 12
9 E:test_eq_u32:N:6:F:4:D:0.017249

```

1.1.140 Test Case - test_eq_u16

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017247s.

Table 133: Test Failures

Step	File	Line	Failure Message
1	test.c	1238	2 == 3
*	test.c	1240	5 == 6
3	test.c	1242	8 == 9
5	test.c	1244	11 == 12

Listing 140: Test Log

```

1 B:test_eq_u16
2 P:0:23:UI1:test.c:1237
3 F:1:23:UI1:test.c:1238:2 == 3
4 F*:23:UI1:test.c:1240:5 == 6
5 P:2:23:UI1:test.c:1241
6 F:3:23:UI1:test.c:1242:8 == 9
7 P:4:23:UI1:test.c:1243
8 F:5:23:UI1:test.c:1244:11 == 12
9 E:test_eq_u16:N:6:F:4:D:0.017247

```

1.1.141 Test Case - test_eq_sz

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017249s.

Table 134: Test Failures

Step	File	Line	Failure Message
1	test.c	1814	2 == 3
*	test.c	1816	5 == 6
3	test.c	1818	8 == 9
5	test.c	1820	11 == 12

Listing 141: Test Log

```

1 B:test_eq_sz
2 P:0:23:UI1:test.c:1813
3 F:1:23:UI1:test.c:1814:2 == 3
4 F*:23:UI1:test.c:1816:5 == 6
5 P:2:23:UI1:test.c:1817
6 F:3:23:UI1:test.c:1818:8 == 9
7 P:4:23:UI1:test.c:1819
8 F:5:23:UI1:test.c:1820:11 == 12
9 E:test_eq_sz:N:6:F:4:D:0.017249

```

1.1.142 Test Case - test_eq_str

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017856s.

Listing 142: Test Log

```

1 B:test_eq_str
2 P:0:23:UI1:test.c:212
3 F:1:23:UI1:test.c:213:"a" == "b"
4 F*:23:UI1:test.c:215:"a" == "b"
5 P:2:23:UI1:test.c:216
6 F:3:23:UI1:test.c:217:"a" == "b"
7 P:4:23:UI1:test.c:218

```

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```

8 F:5:23:UI1:test.c:219:"a" == "b"
9 E:test_eq_str:N:6:F:4:D:0.017856

```

1.1.143 Test Case - test_eq_ssz

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017249s.

Table 135: Test Failures

Step	File	Line	Failure Message
1	test.c	1742	2 == 3
*	test.c	1744	5 == 6
3	test.c	1746	8 == 9
5	test.c	1748	11 == 12

Listing 143: Test Log

```

1 B:test_eq_ssz
2 P:0:23:UI1:test.c:1741
3 F:1:23:UI1:test.c:1742:2 == 3
4 F*:23:UI1:test.c:1744:5 == 6
5 P:2:23:UI1:test.c:1745
6 F:3:23:UI1:test.c:1746:8 == 9
7 P:4:23:UI1:test.c:1747
8 F:5:23:UI1:test.c:1748:11 == 12
9 E:test_eq_ssz:N:6:F:4:D:0.017249

```

1.1.144 Test Case - test_eq_short

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 136: Test Failures

Step	File	Line	Failure Message
1	test.c	446	2 == 3
*	test.c	448	5 == 6
3	test.c	450	8 == 9
5	test.c	452	11 == 12

Listing 144: Test Log

```

1 B:test_eq_short
2 P:0:23:UI1:test.c:445
3 F:1:23:UI1:test.c:446:2 == 3
4 F*:23:UI1:test.c:448:5 == 6
5 P:2:23:UI1:test.c:449
6 F:3:23:UI1:test.c:450:8 == 9

```

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```

7 P:4:23:UI1:test.c:451
8 F:5:23:UI1:test.c:452:11 == 12
9 E:test_eq_short:N:6:F:4:D:0.016639

```

1.1.145 Test Case - test_eq_schar

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016640s.

Table 137: Test Failures

Step	File	Line	Failure Message
1	test.c	302	2 == 3
*	test.c	304	5 == 6
3	test.c	306	8 == 9
5	test.c	308	11 == 12

Listing 145: Test Log

```

1 B:test_eq_schar
2 P:0:23:UI1:test.c:301
3 F:1:23:UI1:test.c:302:2 == 3
4 F*:23:UI1:test.c:304:5 == 6
5 P:2:23:UI1:test.c:305
6 F:3:23:UI1:test.c:306:8 == 9
7 P:4:23:UI1:test.c:307
8 F:5:23:UI1:test.c:308:11 == 12
9 E:test_eq_schar:N:6:F:4:D:0.016640

```

1.1.146 Test Case - test_eq_ptr

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017160s.

Table 138: Test Failures

Step	File	Line	Failure Message
1	test.c	121	&a == &b
*	test.c	123	&a == &b
3	test.c	125	&a == &b
5	test.c	127	&a == &b

Listing 146: Test Log

```

1 B:test_eq_ptr
2 P:0:23:UI1:test.c:120
3 F:1:23:UI1:test.c:121:&a == &b
4 F*:23:UI1:test.c:123:&a == &b
5 P:2:23:UI1:test.c:124

```

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```

6 F:3:23:UI1:test.c:125:&a == &b
7 P:4:23:UI1:test.c:126
8 F:5:23:UI1:test.c:127:&a == &b
9 E:test_eq_ptr:N:6:F:4:D:0.017160

```

1.1.147 Test Case - test_eq_nstr

In this test case 9 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.025595s.

Listing 147: Test Log

```

1 B:test_eq_nstr
2 P:0:23:UI1:test.c:242
3 P:1:23:UI1:test.c:243
4 F:2:23:UI1:test.c:244:"aaa" == "aaab"
5 F:*:23:UI1:test.c:247:"aaa" == "aaab"
6 P:3:23:UI1:test.c:248
7 P:4:23:UI1:test.c:249
8 F:5:23:UI1:test.c:250:"aaa" == "aaab"
9 P:6:23:UI1:test.c:251
10 P:7:23:UI1:test.c:252
11 F:8:23:UI1:test.c:253:"aaa" == "aaab"
12 E:test_eq_nstr:N:9:F:4:D:0.025595

```

1.1.148 Test Case - test_eq_mem

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.024814s.

Table 139: Test Failures

Step	File	Line	Failure Message
1	test.c	181	memcmp(&a, &b, sizeof(a)) == 0
*	test.c	183	memcmp(&a, &b, sizeof(a)) == 0
3	test.c	185	memcmp(&a, &b, sizeof(a)) == 0
5	test.c	187	memcmp(&a, &b, sizeof(a)) == 0

Listing 148: Test Log

```

1 B:test_eq_mem
2 P:0:23:UI1:test.c:180
3 F:1:23:UI1:test.c:181:memcmp(&a, &b, sizeof(a)) == 0
4 F:*:23:UI1:test.c:183:memcmp(&a, &b, sizeof(a)) == 0
5 P:2:23:UI1:test.c:184
6 F:3:23:UI1:test.c:185:memcmp(&a, &b, sizeof(a)) == 0
7 P:4:23:UI1:test.c:186
8 F:5:23:UI1:test.c:187:memcmp(&a, &b, sizeof(a)) == 0
9 E:test_eq_mem:N:6:F:4:D:0.024814

```

1.1.149 Test Case - test_eq_long

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016641s.

Table 140: Test Failures

Step	File	Line	Failure Message
1	test.c	734	2 == 3
*	test.c	736	5 == 6
3	test.c	738	8 == 9
5	test.c	740	11 == 12

Listing 149: Test Log

```

1 B:test_eq_long
2 P:0:23:UI1:test.c:733
3 F:1:23:UI1:test.c:734:2 == 3
4 F*:23:UI1:test.c:736:5 == 6
5 P:2:23:UI1:test.c:737
6 F:3:23:UI1:test.c:738:8 == 9
7 P:4:23:UI1:test.c:739
8 F:5:23:UI1:test.c:740:11 == 12
9 E:test_eq_long:N:6:F:4:D:0.016641

```

1.1.150 Test Case - test_eq_ll

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016639s.

Table 141: Test Failures

Step	File	Line	Failure Message
1	test.c	878	2 == 3
*	test.c	880	5 == 6
3	test.c	882	8 == 9
5	test.c	884	11 == 12

Listing 150: Test Log

```

1 B:test_eq_ll
2 P:0:23:UI1:test.c:877
3 F:1:23:UI1:test.c:878:2 == 3
4 F*:23:UI1:test.c:880:5 == 6
5 P:2:23:UI1:test.c:881
6 F:3:23:UI1:test.c:882:8 == 9
7 P:4:23:UI1:test.c:883
8 F:5:23:UI1:test.c:884:11 == 12
9 E:test_eq_ll:N:6:F:4:D:0.016639

```

1.1.151 Test Case - test_eq_iptr

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 142: Test Failures

Step	File	Line	Failure Message
1	test.c	1598	2 == 3
*	test.c	1600	5 == 6
3	test.c	1602	8 == 9
5	test.c	1604	11 == 12

Listing 151: Test Log

```

1 B:test_eq_iptr
2 P:0:23:UI1:test.c:1597
3 F:1:23:UI1:test.c:1598:2 == 3
4 F*:23:UI1:test.c:1600:5 == 6
5 P:2:23:UI1:test.c:1601
6 F:3:23:UI1:test.c:1602:8 == 9
7 P:4:23:UI1:test.c:1603
8 F:5:23:UI1:test.c:1604:11 == 12
9 E:test_eq_iptr:N:6:F:4:D:0.017248

```

1.1.152 Test Case - test_eq_int

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016640s.

Table 143: Test Failures

Step	File	Line	Failure Message
1	test.c	590	2 == 3
*	test.c	592	5 == 6
3	test.c	594	8 == 9
5	test.c	596	11 == 12

Listing 152: Test Log

```

1 B:test_eq_int
2 P:0:23:UI1:test.c:589
3 F:1:23:UI1:test.c:590:2 == 3
4 F*:23:UI1:test.c:592:5 == 6
5 P:2:23:UI1:test.c:593
6 F:3:23:UI1:test.c:594:8 == 9
7 P:4:23:UI1:test.c:595
8 F:5:23:UI1:test.c:596:11 == 12
9 E:test_eq_int:N:6:F:4:D:0.016640

```

1.1.153 Test Case - test_eq_i8

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 144: Test Failures

Step	File	Line	Failure Message
1	test.c	1022	2 == 3
*	test.c	1024	5 == 6
3	test.c	1026	8 == 9
5	test.c	1028	11 == 12

Listing 153: Test Log

```

1 B:test_eq_i8
2 P:0:23:UI1:test.c:1021
3 F:1:23:UI1:test.c:1022:2 == 3
4 F*:23:UI1:test.c:1024:5 == 6
5 P:2:23:UI1:test.c:1025
6 F:3:23:UI1:test.c:1026:8 == 9
7 P:4:23:UI1:test.c:1027
8 F:5:23:UI1:test.c:1028:11 == 12
9 E:test_eq_i8:N:6:F:4:D:0.017248

```

1.1.154 Test Case - test_eq_i64

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017250s.

Table 145: Test Failures

Step	File	Line	Failure Message
1	test.c	1454	2 == 3
*	test.c	1456	5 == 6
3	test.c	1458	8 == 9
5	test.c	1460	11 == 12

Listing 154: Test Log

```

1 B:test_eq_i64
2 P:0:23:UI1:test.c:1453
3 F:1:23:UI1:test.c:1454:2 == 3
4 F*:23:UI1:test.c:1456:5 == 6
5 P:2:23:UI1:test.c:1457
6 F:3:23:UI1:test.c:1458:8 == 9
7 P:4:23:UI1:test.c:1459
8 F:5:23:UI1:test.c:1460:11 == 12
9 E:test_eq_i64:N:6:F:4:D:0.017250

```

1.1.155 Test Case - test_eq_i32

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 146: Test Failures

Step	File	Line	Failure Message
1	test.c	1310	2 == 3
*	test.c	1312	5 == 6
3	test.c	1314	8 == 9
5	test.c	1316	11 == 12

Listing 155: Test Log

```

1 B:test_eq_i32
2 P:0:23:UI1:test.c:1309
3 F:1:23:UI1:test.c:1310:2 == 3
4 F*:23:UI1:test.c:1312:5 == 6
5 P:2:23:UI1:test.c:1313
6 F:3:23:UI1:test.c:1314:8 == 9
7 P:4:23:UI1:test.c:1315
8 F:5:23:UI1:test.c:1316:11 == 12
9 E:test_eq_i32:N:6:F:4:D:0.017248

```

1.1.156 Test Case - test_eq_i16

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017248s.

Table 147: Test Failures

Step	File	Line	Failure Message
1	test.c	1166	2 == 3
*	test.c	1168	5 == 6
3	test.c	1170	8 == 9
5	test.c	1172	11 == 12

Listing 156: Test Log

```

1 B:test_eq_i16
2 P:0:23:UI1:test.c:1165
3 F:1:23:UI1:test.c:1166:2 == 3
4 F*:23:UI1:test.c:1168:5 == 6
5 P:2:23:UI1:test.c:1169
6 F:3:23:UI1:test.c:1170:8 == 9
7 P:4:23:UI1:test.c:1171
8 F:5:23:UI1:test.c:1172:11 == 12
9 E:test_eq_i16:N:6:F:4:D:0.017248

```


1.1.157 Test Case - test_eq_char

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.017855s.

Table 148: Test Failures

Step	File	Line	Failure Message
1	test.c	278	'2' == '3'
*	test.c	280	'5' == '6'
3	test.c	282	'8' == '9'
5	test.c	284	'B' == 'C'

Listing 157: Test Log

```

1 B:test_eq_char
2 P:0:23:UI1:test.c:277
3 F:1:23:UI1:test.c:278:'2' == '3'
4 F*:23:UI1:test.c:280:'5' == '6'
5 P:2:23:UI1:test.c:281
6 F:3:23:UI1:test.c:282:'8' == '9'
7 P:4:23:UI1:test.c:283
8 F:5:23:UI1:test.c:284:'B' == 'C'
9 E:test_eq_char:N:6:F:4:D:0.017855

```

1.1.158 Test Case - test_eq

In this test case 6 actual test steps were executed. A total of 4 test steps failed. The test case execution time was 0.016118s.

Table 149: Test Failures

Step	File	Line	Failure Message
1	test.c	94	1 == 2
*	test.c	96	4 == 5
3	test.c	98	7 == 8
5	test.c	100	10 == 11

Listing 158: Test Log

```

1 B:test_eq
2 P:0:23:UI1:test.c:93
3 F:1:23:UI1:test.c:94:1 == 2
4 F*:23:UI1:test.c:96:4 == 5
5 P:2:23:UI1:test.c:97
6 F:3:23:UI1:test.c:98:7 == 8
7 P:4:23:UI1:test.c:99
8 F:5:23:UI1:test.c:100:10 == 11
9 E:test_eq:N:6:F:4:D:0.016118

```

1.1.159 Test Case - test_eno_success

In this test case 4 actual test steps were executed. A total of 3 test steps failed. The test case execution time was 0.014467s.

Table 150: Test Failures

Step	File	Line	Failure Message
1	test-eno.c	44	ENOMEM == 0
*	test-eno.c	46	ENOMEM == 0
3	test-eno.c	48	ENOMEM == 0

Listing 159: Test Log

```

1 B:test_eno_success
2 P:0:23:UI1:test-eno.c:43
3 F:1:23:UI1:test-eno.c:44:ENOMEM == 0
4 F*:23:UI1:test-eno.c:46:ENOMEM == 0
5 P:2:23:UI1:test-eno.c:47
6 F:3:23:UI1:test-eno.c:48:ENOMEM == 0
7 E:test_eno_success:N:4:F:3:D:0.014467

```

1.1.160 Test Case - test_eno

In this test case 4 actual test steps were executed. A total of 3 test steps failed. The test case execution time was 0.015771s.

Table 151: Test Failures

Step	File	Line	Failure Message
1	test-eno.c	34	ENOMEM == ERANGE
*	test-eno.c	36	ENOMEM == ERANGE
3	test-eno.c	38	ENOMEM == ERANGE

Listing 160: Test Log

```

1 B:test_eno
2 P:0:23:UI1:test-eno.c:33
3 F:1:23:UI1:test-eno.c:34:ENOMEM == ERANGE
4 F*:23:UI1:test-eno.c:36:ENOMEM == ERANGE
5 P:2:23:UI1:test-eno.c:37
6 F:3:23:UI1:test-eno.c:38:ENOMEM == ERANGE
7 E:test_eno:N:4:F:3:D:0.015771

```

1.1.161 Test Case - steps

In this test case 3 actual test steps were executed. No test step failed. The test case execution time was 0.007075s.

Listing 161: Test Log

```

1 B:steps
2 P:0:23:UI1:test-plan.c:31
3 P:1:23:UI1:test-plan.c:33
4 P:2:23:UI1:test-plan.c:34
5 E:steps:N:3:F:0:D:0.007075

```

1.1.162 Test Case - step

In this test case 2 actual test steps were executed. A total of 1 test steps failed. The test case execution time was 0.006030s.

Table 152: Test Failures

Step	File	Line	Failure Message
1	test-step.c	6	planned step (2)

Listing 162: Test Log

```

1 B:step
2 P:0:23:UI1:test-step.c:5
3 F:1:23:UI1:test-step.c:6:planned step (2)
4 E:step:N:2:F:1:D:0.006030

```

1.1.163 Test Case - stat

In this test case 1 actual test steps were executed. No test step failed. The test case execution time was 0.002298s.

Listing 163: Test Log

```

1 B:stat
2 P:0:23:UI1:test-psx.c:13
3 E:stat:N:1:F:0:D:0.002298

```

1.1.164 Test Case - rsc_success

In this test case 4 actual test steps were executed. A total of 3 test steps failed. The test case execution time was 0.022901s.

Table 153: Test Failures

Step	File	Line	Failure Message
1	test-rtems.c	60	RTEMS_INVALID_NUMBER == RTEMS_SUCCESSFUL
*	test-rtems.c	62	RTEMS_INVALID_NUMBER == RTEMS_SUCCESSFUL
3	test-rtems.c	64	RTEMS_INVALID_NUMBER == RTEMS_SUCCESSFUL

Listing 164: Test Log

```

1 B:rsc_success
2 P:0:23:UI1:test-rtems.c:59
3 F:1:23:UI1:test-rtems.c:60:RTEMS_INVALID_NUMBER == RTEMS_SUCCESSFUL
4 F*:23:UI1:test-rtems.c:62:RTEMS_INVALID_NUMBER == RTEMS_SUCCESSFUL
5 P:2:23:UI1:test-rtems.c:63
6 F:3:23:UI1:test-rtems.c:64:RTEMS_INVALID_NUMBER == RTEMS_SUCCESSFUL
7 E:rsc_success:N:4:F:3:D:0.022901

```

1.1.165 Test Case - rsc

In this test case 4 actual test steps were executed. A total of 3 test steps failed. The test case execution time was 0.022900s.

Table 154: Test Failures

Step	File	Line	Failure Message
1	test-rtems.c	49	RTEMS_INVALID_NUMBER == RTEMS_INVALID_ID
*	test-rtems.c	51	RTEMS_INVALID_NUMBER == RTEMS_INVALID_ID
3	test-rtems.c	53	RTEMS_INVALID_NUMBER == RTEMS_INVALID_ID

Listing 165: Test Log

```

1 B:rsc
2 P:0:23:UI1:test-rtems.c:48
3 F:1:23:UI1:test-rtems.c:49:RTEMS_INVALID_NUMBER == RTEMS_INVALID_ID
4 F*:23:UI1:test-rtems.c:51:RTEMS_INVALID_NUMBER == RTEMS_INVALID_ID
5 P:2:23:UI1:test-rtems.c:52
6 F:3:23:UI1:test-rtems.c:53:RTEMS_INVALID_NUMBER == RTEMS_INVALID_ID
7 E:rsc:N:4:F:3:D:0.022900

```

1.1.166 Test Case - quiet

In this test case 2 actual test steps were executed. A total of 1 test steps failed. The test case execution time was 0.000033s.

Listing 166: Test Log

```

1 B:quiet
2 E:quiet:N:2:F:1:D:0.000033

```

1.1.167 Test Case - plan_ok

In this test case 1 actual test steps were executed. No test step failed. The test case execution time was 0.002380s.

Listing 167: Test Log

```

1 B:plan_ok
2 P:0:23:UI1:test-plan.c:13
3 E:plan_ok:N:1:F:0:D:0.002380

```

1.1.168 Test Case - plan_failed

In this test case 1 actual test steps were executed. A total of 1 test steps failed. The test case execution time was 0.006868s.

Table 155: Test Failures

Step	File	Line	Failure Message
*	*	*	actual steps (1), planned steps (2)

Listing 168: Test Log

```

1 B:plan_failed
2 P:0:23:UI1:test-plan.c:19
3 F:*:23:UI1:*:*:actual steps (1), planned steps (2)
4 E:plan_failed:N:1:F:1:D:0.006868

```

1.1.169 Test Case - now

This test case executed no test steps. The test case execution time was 0.001334s.

Listing 169: Test Log

```

1 B:now
2 L:0.000000640
3 E:now:N:0:F:0:D:0.001334

```

1.1.170 Test Case - normal

In this test case 2 actual test steps were executed. A total of 1 test steps failed. The test case execution time was 0.002816s.

Table 156: Test Failures

Step	File	Line	Failure Message
1	test.c	48	some test

Listing 170: Test Log

```

1 B:normal
2 F:1:23:UI1:test.c:48:some test
3 E:normal:N:2:F:1:D:0.002816

```

1.1.171 Test Case - missing_timer_delete

In this test case 1 actual test steps were executed. A total of 1 test steps failed. The test case execution time was 0.005660s.

Table 157: Test Failures

Step	File	Line	Failure Message
*	*	*	RTEMS timer leak (1)

Listing 171: Test Log

```

1 B:missing_timer_delete
2 P:0:23:UI1:test-leak.c:119
3 F:*:23:UI1:*:*:RTEMS timer leak (1)
4 E:missing_timer_delete:N:1:F:1:D:0.005660

```

1.1.172 Test Case - missing_task_delete

In this test case 1 actual test steps were executed. A total of 2 test steps failed. The test case execution time was 0.009824s.

Table 158: Test Failures

Step	File	Line	Failure Message
*	*	*	RTEMS task leak (1)
*	*	*	memory leak in workspace or heap

Listing 172: Test Log

```

1 B:missing_task_delete
2 P:0:23:UI1:test-leak.c:110
3 F:*:23:UI1:*:*:RTEMS task leak (1)
4 F:*:23:UI1:*:*:memory leak in workspace or heap
5 E:missing_task_delete:N:1:F:2:D:0.009824

```

1.1.173 Test Case - missing_sema_delete

In this test case 1 actual test steps were executed. A total of 1 test steps failed. The test case execution time was 0.005930s.

Table 159: Test Failures

Step	File	Line	Failure Message
*	*	*	RTEMS semaphore leak (1)

Listing 173: Test Log

```

1 B:missing_sema_delete
2 P:0:23:UI1:test-leak.c:14

```

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```

3 F:*:23:UI1:*:RTEMS semaphore leak (1)
4 E:missing_sema_delete:N:1:F:1:D:0.005930

```

1.1.174 Test Case - missing_region_delete

In this test case 1 actual test steps were executed. A total of 1 test steps failed. The test case execution time was 0.005673s.

Table 160: Test Failures

Step	File	Line	Failure Message
*	*	*	RTEMS region leak (1)

Listing 174: Test Log

```

1 B:missing_region_delete
2 P:0:23:UI1:test-leak.c:99
3 F:*:23:UI1:*:RTEMS region leak (1)
4 E:missing_region_delete:N:1:F:1:D:0.005673

```

1.1.175 Test Case - missing_period_delete

In this test case 1 actual test steps were executed. A total of 1 test steps failed. The test case execution time was 0.005673s.

Table 161: Test Failures

Step	File	Line	Failure Message
*	*	*	RTEMS period leak (1)

Listing 175: Test Log

```

1 B:missing_period_delete
2 P:0:23:UI1:test-leak.c:88
3 F:*:23:UI1:*:RTEMS period leak (1)
4 E:missing_period_delete:N:1:F:1:D:0.005673

```

1.1.176 Test Case - missing_part_delete

In this test case 1 actual test steps were executed. A total of 1 test steps failed. The test case execution time was 0.005934s.

Table 162: Test Failures

Step	File	Line	Failure Message
*	*	*	RTEMS partition leak (1)

Listing 176: Test Log

```

1 B:missing_part_delete
2 P:0:23:UI1:test-leak.c:78
3 F:*:23:UI1:*:*:RTEMS partition leak (1)
4 E:missing_part_delete:N:1:F:1:D:0.005934

```

1.1.177 Test Case - missing_mq_delete

In this test case 1 actual test steps were executed. A total of 2 test steps failed. The test case execution time was 0.010519s.

Table 163: Test Failures

Step	File	Line	Failure Message
*	*	*	RTEMS message queue leak (1)
*	*	*	memory leak in workspace or heap

Listing 177: Test Log

```

1 B:missing_mq_delete
2 P:0:23:UI1:test-leak.c:67
3 F:*:23:UI1:*:*:RTEMS message queue leak (1)
4 F:*:23:UI1:*:*:memory leak in workspace or heap
5 E:missing_mq_delete:N:1:F:2:D:0.010519

```

1.1.178 Test Case - missing_key_delete

In this test case 2 actual test steps were executed. A total of 2 test steps failed. The test case execution time was 0.011916s.

Table 164: Test Failures

Step	File	Line	Failure Message
*	*	*	POSIX key leak (1)
*	*	*	POSIX key value pair leak (1)

Listing 178: Test Log

```

1 B:missing_key_delete
2 P:0:23:UI1:test-leak.c:128
3 P:1:23:UI1:test-leak.c:131
4 F:*:23:UI1:*:*:POSIX key leak (1)
5 F:*:23:UI1:*:*:POSIX key value pair leak (1)
6 E:missing_key_delete:N:2:F:2:D:0.011916

```

1.1.179 Test Case - missing_free

In this test case 1 actual test steps were executed. A total of 1 test steps failed. The test case execution time was 0.006608s.

Table 165: Test Failures

Step	File	Line	Failure Message
*	*	*	memory leak in workspace or heap

Listing 179: Test Log

```

1 B:missing_free
2 P:0:23:UI1:test-leak.c:22
3 F:*:23:UI1:*:*:memory leak in workspace or heap
4 E:missing_free:N:1:F:1:D:0.006608

```

1.1.180 Test Case - missing_extension_delete

In this test case 1 actual test steps were executed. A total of 1 test steps failed. The test case execution time was 0.005941s.

Table 166: Test Failures

Step	File	Line	Failure Message
*	*	*	RTEMS extension leak (1)

Listing 180: Test Log

```

1 B:missing_extension_delete
2 P:0:23:UI1:test-leak.c:57
3 F:*:23:UI1:*:*:RTEMS extension leak (1)
4 E:missing_extension_delete:N:1:F:1:D:0.005941

```

1.1.181 Test Case - missing_close

In this test case 1 actual test steps were executed. A total of 1 test steps failed. The test case execution time was 0.005947s.

Table 167: Test Failures

Step	File	Line	Failure Message
*	*	*	file descriptor leak (1)

Listing 181: Test Log

```

1 B:missing_close
2 P:0:23:UI1:test-leak.c:35
3 F:*:23:UI1:*:*:file descriptor leak (1)
4 E:missing_close:N:1:F:1:D:0.005947

```

1.1.182 Test Case - missing_barrier_delete

In this test case 1 actual test steps were executed. A total of 1 test steps failed. The test case execution time was 0.005767s.

Table 168: Test Failures

Step	File	Line	Failure Message
*	*	*	RTEMS barrier leak (1)

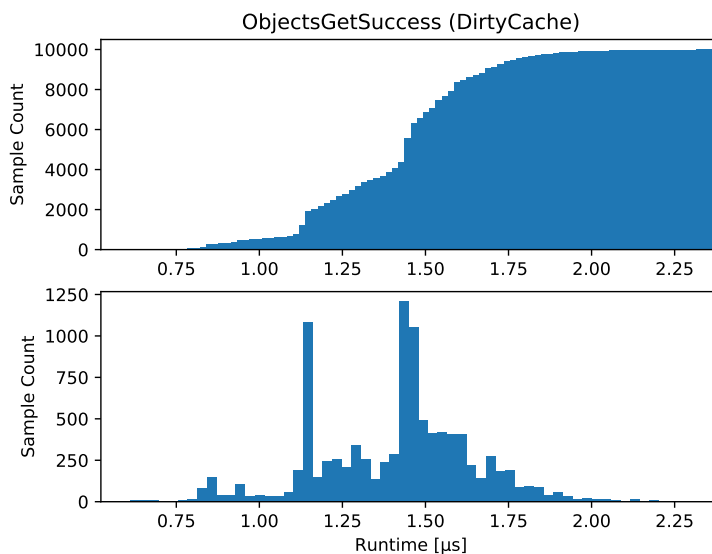
Listing 182: Test Log

```

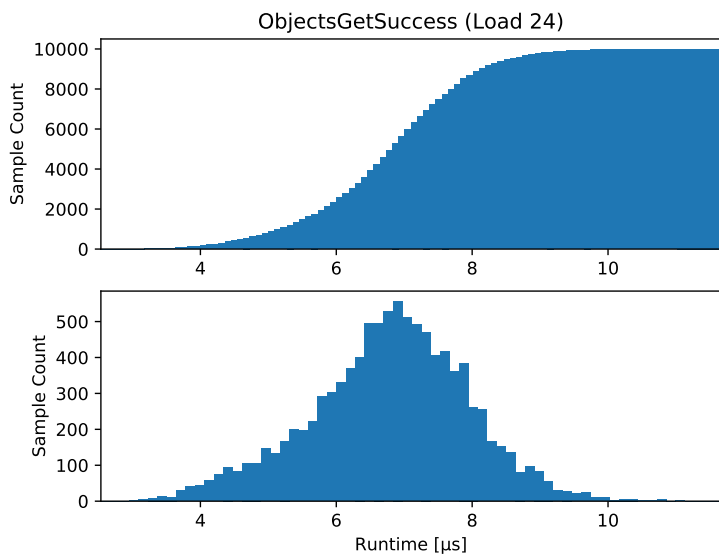
1 B:missing_barrier_delete
2 P:0:23:UI1:test-leak.c:45
3 F:*:23:UI1:*:*:RTEMS barrier leak (1)
4 E:missing_barrier_delete:N:1:F:1:D:0.005767
    
```

1.1.183 Test Case - measure_object_get

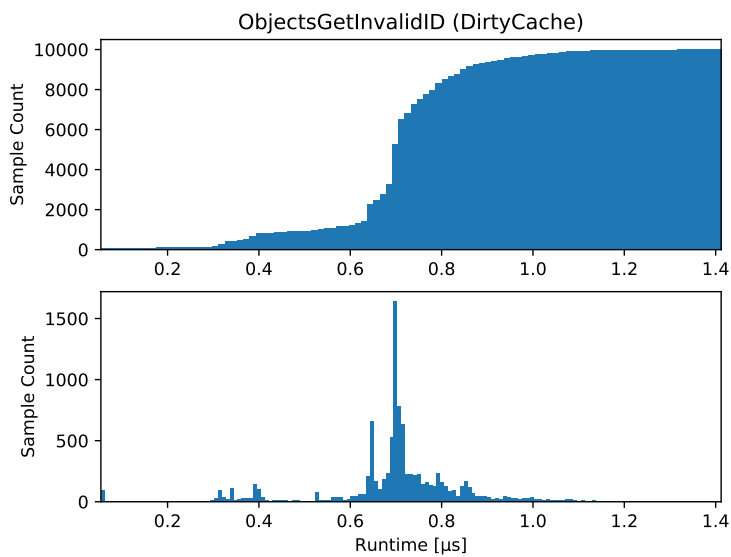
1.1.183.1 Runtime Measurement - ObjectsGetSuccess (DirtyCache)



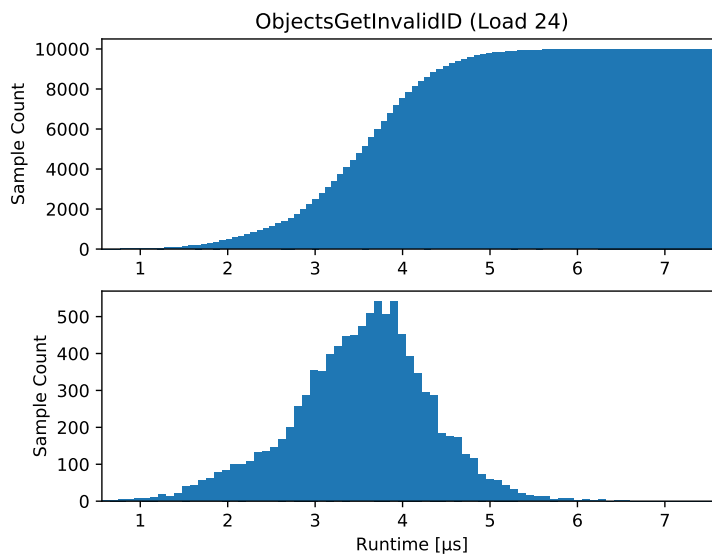
1.1.183.2 Runtime Measurement - ObjectsGetSuccess (Load 24)



1.1.183.3 Runtime Measurement - ObjectsGetInvalidID (DirtyCache)



1.1.183.4 Runtime Measurement - ObjectsGetInvalidID (Load 24)



In this test case 3 actual test steps were executed. No test step failed. The test case execution time was 367.834925s.

Listing 183: Test Log

```

1 B:measure_object_get
2 P:0:0:UI1:test-rtems-measure.c:61
3 P:1:0:UI1:test-rtems-measure.c:64
4 M:B:ObjectsGetSuccess
5 M:V:DirtyCache
6 M:N:10000
7 M:MI:0.000000523
8 M:P1:0.000000829
9 M:Q1:0.000001237
10 M:Q2:0.000001442
11 M:Q3:0.000001549
12 M:P99:0.000001980
13 M:MX:0.000002390
14 M:MAD:0.000000148
15 M:D:0.014094069
16 M:E:ObjectsGetSuccess:D:31.043320026
17 M:B:ObjectsGetSuccess
18 M:V:Load
19 M:L:24
20 M:N:10000
21 M:MI:0.000002535
22 M:P1:0.000003875
23 M:Q1:0.000006072
24 M:Q2:0.000006845
25 M:Q3:0.000007566
26 M:P99:0.000009461
27 M:MX:0.000011665
28 M:MAD:0.000000743
29 M:D:0.067803258
30 M:E:ObjectsGetSuccess:D:145.113323920

```

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```
31 M:B:ObjectsGetInvalidID
32 M:V:DirtyCache
33 M:N:10000
34 M:MI:0.000000054
35 M:P1:0.000000181
36 M:Q1:0.000000665
37 M:Q2:0.000000702
38 M:Q3:0.000000758
39 M:P99:0.000001085
40 M:MX:0.000001412
41 M:MAD:0.000000049
42 M:D:0.006994241
43 M:E:ObjectsGetInvalidID:D:31.035469200
44 M:B:ObjectsGetInvalidID
45 M:V:Load
46 M:L:24
47 M:N:10000
48 M:MI:0.000000561
49 M:P1:0.000001491
50 M:Q1:0.000003042
51 M:Q2:0.000003580
52 M:Q3:0.000004027
53 M:P99:0.000005314
54 M:MX:0.000007655
55 M:MAD:0.000000487
56 M:D:0.035196251
57 M:E:ObjectsGetInvalidID:D:145.011046426
58 P:2:0:UI1:test-rtms-measure.c:85
59 E:measure_object_get:N:3:F:0:D:367.834925
```

- 1.1.184 Test Case - measure_empty
 - 1.1.184.1 Runtime Measurement - Empty (ValidCache)
 - 1.1.184.2 Runtime Measurement - Empty (HotCache)
 - 1.1.184.3 Runtime Measurement - Empty (DirtyCache)
 - 1.1.184.4 Runtime Measurement - Empty (Load 1)
 - 1.1.184.5 Runtime Measurement - Empty (Load 2)
 - 1.1.184.6 Runtime Measurement - Empty (Load 3)
 - 1.1.184.7 Runtime Measurement - Empty (Load 4)
 - 1.1.184.8 Runtime Measurement - Empty (Load 5)
 - 1.1.184.9 Runtime Measurement - Empty (Load 6)
 - 1.1.184.10 Runtime Measurement - Empty (Load 7)
 - 1.1.184.11 Runtime Measurement - Empty (Load 8)
 - 1.1.184.12 Runtime Measurement - Empty (Load 9)
 - 1.1.184.13 Runtime Measurement - Empty (Load 10)
 - 1.1.184.14 Runtime Measurement - Empty (Load 11)
 - 1.1.184.15 Runtime Measurement - Empty (Load 12)
 - 1.1.184.16 Runtime Measurement - Empty (Load 13)
 - 1.1.184.17 Runtime Measurement - Empty (Load 14)
 - 1.1.184.18 Runtime Measurement - Empty (Load 15)
 - 1.1.184.19 Runtime Measurement - Empty (Load 16)
 - 1.1.184.20 Runtime Measurement - Empty (Load 17)

1.2 Test Suite - bootcard

1.2.1 Test Case - bootcard

This test case executed no test steps. The test case execution time was 0.000000s.

Listing 184: Test Log

```
1 B:bootcard
2 L:test executed in boot_card()
3 E:bootcard:N:0:F:0:D:0.000000
```

1.3 Test Suite - sysinit

1.3.1 Test Case - sysinit

In this test case 129 actual test steps were executed. No test step failed. The test case execution time was 0.000000s.

Listing 185: Test Log

```
1 B:sysinit
2 P:0:0?:test-sysinit.c:274
3 P:1:0?:test-sysinit.c:283
4 P:2:0?:test-sysinit.c:288
5 P:3:0?:test-sysinit.c:293
6 P:4:0?:test-sysinit.c:294
7 P:5:0?:test-sysinit.c:299
8 P:6:0?:test-sysinit.c:300
9 P:7:0?:test-sysinit.c:305
10 P:8:0?:test-sysinit.c:306
11 P:9:0?:test-sysinit.c:311
12 P:10:0?:test-sysinit.c:312
13 P:11:0?:test-sysinit.c:317
14 P:12:0?:test-sysinit.c:318
15 P:13:0?:test-sysinit.c:323
16 P:14:0?:test-sysinit.c:324
17 P:15:0?:test-sysinit.c:329
18 P:16:0?:test-sysinit.c:330
19 P:17:0?:test-sysinit.c:335
20 P:18:0?:test-sysinit.c:336
21 P:19:0?:test-sysinit.c:341
22 P:20:0?:test-sysinit.c:342
23 P:21:0?:test-sysinit.c:347
24 P:22:0?:test-sysinit.c:348
25 P:23:0?:test-sysinit.c:354
26 P:24:0?:test-sysinit.c:359
27 P:25:0?:test-sysinit.c:365
28 P:26:0?:test-sysinit.c:370
29 P:27:0?:test-sysinit.c:375
30 P:28:0?:test-sysinit.c:376
31 P:29:0?:test-sysinit.c:381
32 P:30:0?:test-sysinit.c:382
33 P:31:0?:test-sysinit.c:387
34 P:32:0?:test-sysinit.c:388
35 P:33:0?:test-sysinit.c:393
36 P:34:0?:test-sysinit.c:394
37 P:35:0?:test-sysinit.c:399
38 P:36:0?:test-sysinit.c:400
39 P:37:0?:test-sysinit.c:405
40 P:38:0?:test-sysinit.c:406
41 P:39:0?:test-sysinit.c:411
42 P:40:0?:test-sysinit.c:412
43 P:41:0?:test-sysinit.c:417
44 P:42:0?:test-sysinit.c:418
45 P:43:0?:test-sysinit.c:423
46 P:44:0?:test-sysinit.c:424
47 P:45:0?:test-sysinit.c:429
```

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```
48 P:46:0?:test-sysinit.c:430
49 P:47:0?:test-sysinit.c:435
50 P:48:0?:test-sysinit.c:436
51 P:49:0?:test-sysinit.c:441
52 P:50:0?:test-sysinit.c:442
53 P:51:0?:test-sysinit.c:447
54 P:52:0?:test-sysinit.c:448
55 P:53:0?:test-sysinit.c:453
56 P:54:0?:test-sysinit.c:454
57 P:55:0?:test-sysinit.c:464
58 P:56:0?:test-sysinit.c:465
59 P:57:0?:test-sysinit.c:474
60 P:58:0?:test-sysinit.c:475
61 P:59:0?:test-sysinit.c:481
62 P:60:0?:test-sysinit.c:482
63 P:61:0?:test-sysinit.c:487
64 P:62:0?:test-sysinit.c:488
65 P:63:0?:test-sysinit.c:493
66 P:64:0?:test-sysinit.c:494
67 P:65:0?:test-sysinit.c:499
68 P:66:0?:test-sysinit.c:500
69 P:67:0?:test-sysinit.c:505
70 P:68:0?:test-sysinit.c:506
71 P:69:0?:test-sysinit.c:511
72 P:70:0?:test-sysinit.c:512
73 P:71:0?:test-sysinit.c:518
74 P:72:0?:test-sysinit.c:519
75 P:73:0?:test-sysinit.c:524
76 P:74:0?:test-sysinit.c:525
77 P:75:0?:test-sysinit.c:531
78 P:76:0?:test-sysinit.c:532
79 P:77:0?:test-sysinit.c:537
80 P:78:0?:test-sysinit.c:538
81 P:79:0?:test-sysinit.c:561
82 P:80:0?:test-sysinit.c:562
83 P:81:0?:test-sysinit.c:567
84 P:82:0?:test-sysinit.c:568
85 P:83:0?:test-sysinit.c:547
86 P:84:0?:test-sysinit.c:555
87 P:85:0?:test-sysinit.c:556
88 P:86:0?:test-sysinit.c:573
89 P:87:0?:test-sysinit.c:574
90 P:88:0:IDLE:test-sysinit.c:579
91 P:89:0:IDLE:test-sysinit.c:580
92 P:90:0:IDLE:test-sysinit.c:585
93 P:91:0:IDLE:test-sysinit.c:586
94 P:92:0:IDLE:test-sysinit.c:591
95 P:93:0:IDLE:test-sysinit.c:592
96 P:94:0:IDLE:test-sysinit.c:602
97 P:95:0:IDLE:test-sysinit.c:603
98 P:96:0:IDLE:test-sysinit.c:612
99 P:97:0:IDLE:test-sysinit.c:613
100 P:98:0:IDLE:test-sysinit.c:622
101 P:99:0:IDLE:test-sysinit.c:627
102 P:100:0:IDLE:test-sysinit.c:632
103 P:101:0:IDLE:test-sysinit.c:633
```

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```
104 P:102:0:IDLE:test-sysinit.c:638
105 P:103:0:IDLE:test-sysinit.c:639
106 P:104:0:IDLE:test-sysinit.c:645
107 P:105:0:IDLE:test-sysinit.c:647
108 P:106:0:IDLE:test-sysinit.c:653
109 P:107:0:IDLE:test-sysinit.c:655
110 P:108:0:IDLE:test-sysinit.c:661
111 P:109:0:IDLE:test-sysinit.c:663
112 P:110:0:IDLE:test-sysinit.c:669
113 P:111:0:IDLE:test-sysinit.c:671
114 P:112:0:IDLE:test-sysinit.c:681
115 P:113:0:IDLE:test-sysinit.c:682
116 P:114:0:IDLE:test-sysinit.c:691
117 P:115:0:IDLE:test-sysinit.c:692
118 P:116:0:IDLE:test-sysinit.c:695
119 P:117:0:IDLE:test-sysinit.c:696
120 P:118:0:IDLE:test-sysinit.c:697
121 P:119:0:IDLE:test-sysinit.c:698
122 P:120:0:IDLE:test-sysinit.c:699
123 P:121:0:IDLE:test-sysinit.c:700
124 P:122:0:IDLE:test-sysinit.c:701
125 P:123:0:IDLE:test-sysinit.c:702
126 P:124:0:IDLE:test-sysinit.c:703
127 P:125:0:IDLE:test-sysinit.c:704
128 P:126:0:IDLE:test-sysinit.c:705
129 P:127:0:IDLE:test-sysinit.c:706
130 P:128:0:UI1:test-sysinit.c:957
131 E:sysinit:N:129:F:0:D:0.000000
```

1.4 Test Suite - task

1.4.1 Test Case - timer_create

In this test case 2 actual test steps were executed. No test step failed. The test case execution time was 0.000000s.

Listing 186: Test Log

```
1 B:timer_create
2 P:0:0:UI1:test-sysinit.c:877
3 P:1:0:UI1:test-sysinit.c:880
4 E:timer_create:N:2:F:0:D:0.000000
```

1.4.2 Test Case - task_create

In this test case 2 actual test steps were executed. No test step failed. The test case execution time was 0.000000s.

Listing 187: Test Log

```
1 B:task_create
2 P:0:0:UI1:test-sysinit.c:865
3 P:1:0:UI1:test-sysinit.c:868
4 E:task_create:N:2:F:0:D:0.000000
```

1.4.3 Test Case - semaphore_create

In this test case 2 actual test steps were executed. No test step failed. The test case execution time was 0.000000s.

Listing 188: Test Log

```
1 B:semaphore_create
2 P:0:0:UI1:test-sysinit.c:846
3 P:1:0:UI1:test-sysinit.c:849
4 E:semaphore_create:N:2:F:0:D:0.000000
```

1.4.4 Test Case - region_create

In this test case 2 actual test steps were executed. No test step failed. The test case execution time was 0.000000s.

Listing 189: Test Log

```
1 B:region_create
2 P:0:0:UI1:test-sysinit.c:828
3 P:1:0:UI1:test-sysinit.c:831
4 E:region_create:N:2:F:0:D:0.000000
```

1.4.5 Test Case - posix_timer_create

In this test case 2 actual test steps were executed. No test step failed. The test case execution time was 0.000000s.

Listing 190: Test Log

```

1 B:posix_timer_create
2 P:0:0:UI1:test-sysinit.c:945
3 P:1:0:UI1:test-sysinit.c:948
4 E:posix_timer_create:N:2:F:0:D:0.000000

```

1.4.6 Test Case - posix_shm_open

In this test case 3 actual test steps were executed. A total of 2 test steps failed. The test case execution time was 0.000000s.

Table 169: Test Failures

Step	File	Line	Failure Message
2	test-sysinit.c	935	-1 == 0, ENAMETOOLONG
*	*	*	memory leak in workspace

Listing 191: Test Log

```

1 B:posix_shm_open
2 P:0:0:UI1:test-sysinit.c:929
3 P:1:0:UI1:test-sysinit.c:932
4 F:2:0:UI1:test-sysinit.c:935:-1 == 0, ENAMETOOLONG
5 F:*:0:UI1:*:*:memory leak in workspace
6 E:posix_shm_open:N:3:F:2:D:0.000000

```

1.4.7 Test Case - posix_sem_open

In this test case 3 actual test steps were executed. No test step failed. The test case execution time was 0.000000s.

Listing 192: Test Log

```

1 B:posix_sem_open
2 P:0:0:UI1:test-sysinit.c:914
3 P:1:0:UI1:test-sysinit.c:917
4 P:2:0:UI1:test-sysinit.c:920
5 E:posix_sem_open:N:3:F:0:D:0.000000

```

1.4.8 Test Case - posix_mq_open

In this test case 3 actual test steps were executed. No test step failed. The test case execution time was 0.000000s.

Listing 193: Test Log

```
1 B:posix_mq_open
2 P:0:0:UI1:test-sysinit.c:899
3 P:1:0:UI1:test-sysinit.c:902
4 P:2:0:UI1:test-sysinit.c:905
5 E:posix_mq_open:N:3:F:0:D:0.000000
```

1.4.9 Test Case - port_create

In this test case 2 actual test steps were executed. No test step failed. The test case execution time was 0.000000s.

Listing 194: Test Log

```
1 B:port_create
2 P:0:0:UI1:test-sysinit.c:808
3 P:1:0:UI1:test-sysinit.c:811
4 E:port_create:N:2:F:0:D:0.000000
```

1.4.10 Test Case - period_create

In this test case 2 actual test steps were executed. No test step failed. The test case execution time was 0.000000s.

Listing 195: Test Log

```
1 B:period_create
2 P:0:0:UI1:test-sysinit.c:790
3 P:1:0:UI1:test-sysinit.c:793
4 E:period_create:N:2:F:0:D:0.000000
```

1.4.11 Test Case - partition_create

In this test case 2 actual test steps were executed. No test step failed. The test case execution time was 0.000000s.

Listing 196: Test Log

```
1 B:partition_create
2 P:0:0:UI1:test-sysinit.c:775
3 P:1:0:UI1:test-sysinit.c:778
4 E:partition_create:N:2:F:0:D:0.000000
```

1.4.12 Test Case - message_queue_create

In this test case 2 actual test steps were executed. No test step failed. The test case execution time was 0.000000s.

Listing 197: Test Log

```
1 B:message_queue_create
2 P:0:0:UI1:test-sysinit.c:755
3 P:1:0:UI1:test-sysinit.c:758
4 E:message_queue_create:N:2:F:0:D:0.000000
```

1.4.13 Test Case - extensions_create

In this test case 2 actual test steps were executed. No test step failed. The test case execution time was 0.000000s.

Listing 198: Test Log

```
1 B:extensions_create
2 P:0:0:UI1:test-sysinit.c:737
3 P:1:0:UI1:test-sysinit.c:740
4 E:extensions_create:N:2:F:0:D:0.000000
```

1.4.14 Test Case - cleanup_push_pop

This test case executed no test steps. The test case execution time was 0.000000s.

Listing 199: Test Log

```
1 B:cleanup_push_pop
2 E:cleanup_push_pop:N:0:F:0:D:0.000000
```

1.4.15 Test Case - barrier_create

In this test case 2 actual test steps were executed. No test step failed. The test case execution time was 0.000000s.

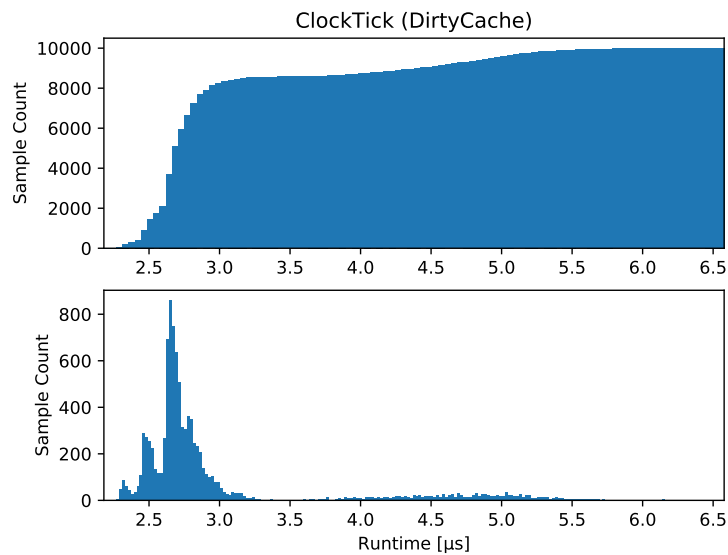
Listing 200: Test Log

```
1 B:barrier_create
2 P:0:0:UI1:test-sysinit.c:719
3 P:1:0:UI1:test-sysinit.c:722
4 E:barrier_create:N:2:F:0:D:0.000000
```

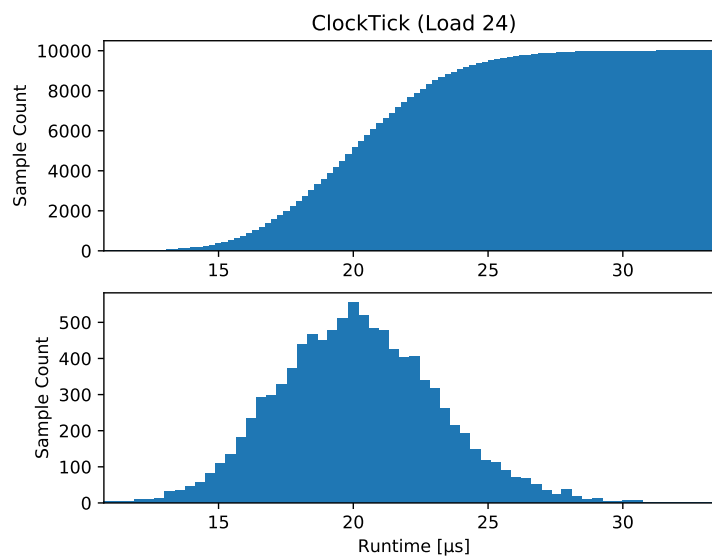
1.5 Test Suite - ClockTick

1.5.1 Test Case - ClockTick

1.5.1.1 Runtime Measurement - ClockTick (DirtyCache)



1.5.1.2 Runtime Measurement - ClockTick (Load 24)



In this test case 1 actual test steps were executed. No test step failed. The test case execution time was 1477.682537s.

Listing 201: Test Log

```
1 B:ClockTick
2 P:0:0:UI1:test-clock.c:98
3 M:B:ClockTick
4 M:V:DirtyCache
5 M:N:10000
6 M:MI:0.000002180
7 M:P1:0.000002319
8 M:Q1:0.000002633
9 M:Q2:0.000002702
10 M:Q3:0.000002861
11 M:P99:0.000005483
12 M:MX:0.000006578
13 M:MAD:0.00000105
14 M:D:0.029808388
15 M:E:ClockTick:D:675.838210719
16 M:B:ClockTick
17 M:V:Load
18 M:L:24
19 M:N:10000
20 M:MI:0.000010746
21 M:P1:0.000013653
22 M:Q1:0.000018151
23 M:Q2:0.000020078
24 M:Q3:0.000022118
25 M:P99:0.000027782
26 M:MX:0.000033759
27 M:MAD:0.000001985
28 M:D:0.201789681
29 M:E:ClockTick:D:787.869423438
```

```
xx E:ClockTick:N:1:F:0:D:1477.682537
```