```
running Offices Str/Lin.'s (target/reteas/deps/instando_denchmarking-ei/file4/doubl)
running 26 tests

test crypto::bh::hashes::test::test.hash.gl.to_bits_diff_inputs ... ignored

test crypto::bh::hashes::test::test.hash.gl.to_bits_same_input ... ignored

test crypto::bh::hashes::test::test.hash.to_fr_diff_inputs ... ignored

test crypto::bh::hashes::test::test.hash.to_fr_diff_inputs ... ignored

test crypto::bh::hashes::test::test.hash.to_diff_inputs ... ignored

test crypto::bh::hashes::test::test.hash.to_diff_inputs ... ignored

test crypto::secp::test::test.hash.to_curve_diff_inputs ... ignored

test crypto::secp::test::test.hash.to_curve_diff_inputs ... ignored

test crypto::secp::test::test.hash.to_curve_diff_inputs ... ignored

test crypto::secp::test::test.hash.to_scalar_diff_inputs ... ignored

test crypto::secp::test::test.hash.to_scalar_diff_inputs ... ignored

test crypto::secp::test::test.hash.to_scalar_diff_inputs ... ignored

test crypto::secp::test::test.hash.to_scalar_diff_inputs ... ignored

test impls::bls_vff::test::bls_vff_vrong_pk_fails ... ignored

test impls::bls_vff::test::bls_vff_vrong_pk_fails ... ignored

test impls::glow_dvff::test::test_dvff_aggregation_failure_insufficient_pevals_glow ... ignored

test impls::glow_dvff::test::test_dvff_aggregation_failure_insufficient_pevals_glow ... ignored

test impls::glow_dvff::test::test_dvff_aggregation_failure_invalid_pevals_glow ... ignored

test impls::glow_dvff::test::test_dvff_aggregation_failure_invalid_pevals_glow ... ignored

test impls::glow_dvff::test::test_dvff_aggregation_success_glow_hashless ... ignored

t
  test result: ok. 0 passed; 0 failed; 26 ignored; 0 measured; 0 filtered out; finished in 0.00s
               Running unittests src/main.rs (target/release/deps/instarand_benchmarking-cbf1ad4aa4c49dc4)
   running 0 tests
  test result: ok. 0 passed: 0 failed: 0 ignored: 0 measured: 0 filtered out: finished in 0.00s
  Running benches/dvrf.rs (target/release/deps/dvrf-b429b92ff0466fc1)
Gnuplot not found, using plotters backend
bench_glow_dvrf/glow_dvrf/partial_evaluation
                                                                         ff/partial_evaluation
time: [501.33 μs 501.59 μs 501.93 μs]
thrpt: [1.9923 Kelem/s 1.9937 Kelem/s 1.9947 Kelem/s]
                                                                          time: [-0.2299\% -0.0915\% +0.0214\%] (p = 0.18 > 0.05) thrpt: [-0.0214\% +0.0916\% +0.2305\%]
                                                                         No change in performance detected.
No change in performance detected.

bench_glow_dvrf/glow_dvrf/partial_verification

time: [614.42 µs 614.73 µs 615.16 µs]

thrpt: [1.6256 Kelem/s 1.6267 Kelem/s 1.6276 Kelem/s]

change:

time: [-0.2731% -0.0866% +0.0620%] (p = 0.37 > 0.05)

thrpt: [-0.626% +0.0861% +0.2739%]

No change in performance detected.

bench_glow_dvrf/glow_dvrf/aggregation threshold 8

time: [493.50 µs 493.89 µs 494.52 µs]

thrpt: [492.27 Kelem/s 2.0247 Kelem/s 2.0268 Kelem/s]
                                                                         time: [493.50 µs 493.89 µs 494.52 µs]
thrpt: [2.0221 Kelem/s 2.0247 Kelem/s 2.0263 Kelem/s]
                                                    change:
                                                                         time: [-0.3281\% +0.0415\% +0.4595\%] (p = 0.85 > 0.05) thrpt: [-0.4574\% -0.0415\% +0.3291\%] No change in performance detected.
        1 (5.00%) high mild
                                                                         time: [1.0141 ms 1.0152 ms 1.0168 ms]
thrpt: [983.48 elem/s 985.08 elem/s 986.11 elem/s]
                                                    change:
                                                                      ::
time: [-0.3212% +0.0117% +0.3550%] (p = 0.95 > 0.05)
thrpt: [-0.3538% -0.0117% +0.3222%]
No change in performance detected.
20 measurements (5.00%)
                                                                        time: [2.1350 ms 2.1361 ms 2.1380 ms]
thrpt: [467.72 elem/s 468.14 elem/s 468.39 elem/s]
       change: .....2 elem/s 468.14 elem/s 468.39 elem/s]

time: [-0.3170% -0.0507% +0.2145%] (p = 0.74 > 0.05)

thrpt: [-0.2140% +0.0507% +0.3180%] (p = 0.74 > 0.05)

bound 1 outliers among 20 measurements (5.00%)

1 (5.00%) high severe

anch_glow_dvrf/glow_dvrf/cvr
                                                                        rf/aggregation_threshold_64
time: [4.6761 ms 4.6813 ms 4.6869 ms]
thrpt: [213.36 elem/s 213.61 elem/s 213.85 elem/s]
                                                    change:
                                                                        : time: [-0.1816% -0.0525% +0.0645%] (p = 0.44 > 0.05) thrpt: [-0.0644% +0.0525% +0.1819%] No change in performance detected.
                                                                         rf/verify
time: [2.8188 ms 2.8194 ms 2.8201 ms]
thrpt: [354.59 elem/s 354.68 elem/s 354.76 elem/s]
                                                    change:
                                                                rge: time: [-0.1761% -0.0825% +0.0059%] (p = 0.09 > 0.05)
thrpt: [-0.0059% +0.0825% +0.1764%]
No change in performance detected.
rg 20 measurements (15.00%)
       ound <mark>3 outliers among 2</mark>
2 (10.00%) high mild
1 (5.00%) high severe
  Running benches/flexirand.rs (target/release/deps/flexirand-e880372537cf7c5a)
Gnuplot not found, using plotters backend
bench_flexirand/flexirand_glow_bn254/blinding
time: [1831.34 µs 383.45 µs 383.55 µs]
thrpt: [2.6072 Kelem/s 2.6079 Kelem/s 2.6086 Kelem/s]
                                                    change:
                                                              nge: time: [-0.3004% -0.1444% -0.0189%] (p = 0.05 > 0.05) thrpt: [-0.0189% +0.1446% +0.3013%] No change in performance detected. ng 20 measurements (20.00%)
       ound 4 outliers among
1 (5.00%) low mild
3 (15.00%) high mild
                                                                        nd_glow_bn254/input_verification
time: [373.43 μs 373.63 μs 373.85 μs]
thrpt: [2.6749 Kelem/s 2.6764 Kelem/s 2.6779 Kelem/s]
                                                    change:
                                                                         :
time: [-0.2373% -0.1240% -0.0207%] (p = 0.03 < 0.05)
thrpt: [+0.0207% +0.1241% +0.2379%]
                                                                       Change within noise threshold.
20 measurements (5.00%)
       ound 1 outliers among 20
1 (5.00%) high mild
cach flexirand/flexirand
                                                                         time: [505.56 µs 505.91 µs 506.30 µs]
thrpt: [1.9751 Kelem/s 1.9766 Kelem/s 1.9780 Kelem/s]
                                                    change:
                                                                rge: time: [-0.1712% -0.8580% +0.0724%] (p = 0.44 > 0.05)
thrpt: [-0.0724% +0.0501% +0.1715%]
No change in performance detected.
10 20 measurements (10.00%)
       ound 2 outliers among 2
1 (5.00%) high mild
1 (5.00%) high severe
                                                                         nd_glow_bn254/partial_verification
time: [618.88 μs 619.35 μs 619.96 μs]
thrpt: [1.6130 Kelem/s 1.6146 Kelem/s 1.6158 Kelem/s]
                                                    change:
                                                                          time:    [-0.1459% -0.0225% +0.1052%]    (p = 0.73 > 0.05)    thrpt:    [-0.1050% +0.0225% +0.1461%]
```

No change in performance detected.

Last login: Thu Apr 25 00:39:47 on ttys017

```
time: [488.24 µs 488.74 µs 489.53 µs]
thrpt: [2.0428 Kelem/s 2.0461 Kelem/s 2.0482 Kelem/s]
                                              change:
                                                                time: [-0.4112% -0.0634% +0.3040%] (p = 0.74 > 0.05)
thrpt: [-0.3031% +0.0634% +0.4129%]
No change in performance detected.
                                                               nd_glow_bn254_threshold_16
time: [1.0085 ms 1.0097 ms 1.0116 ms]
thrpt: [988.54 elem/s 990.40 elem/s 991.54 elem/s]
                                             change:
                                                              ::
time: [-0.3718% +0.0370% +0.4547%] (p = 0.87 > 0.05)
thrpt: [-0.4527% -0.0370% +0.3732%]
No change in performance detected.
20 measurements (10.00%)
Found 2 outliers among
2 (10.00%) high mild
bench flexicand/flexic
        ! (10.00%) high mild nch_flexirand_glow_bn254_threshold_32 time: [2.1306 ms 2.1322 ms 2.1343 ms] thrpt: [468.54 elem/s 469.00 elem/s 469.35 elem/s]
                                                               :
time: [-0.1959% -0.0113% +0.1741%] (p = 0.91 > 0.05)
thrpt: [-0.1738% +0.0113% +0.1963%]
No change in performance detected.
 bench_flexirand/flexirand_glow_bn254_threshold_64
time: [4.6751 ms 4.6786 ms 4.6826 ms]
thrpt: [213.56 elem/s 213.74 elem/s 213.90 elem/s]
                                             thrpt: [423-30 Comp.] - through time: [-0.2015, -0.8015, +0.03935] (p = 0.20 > 0.05) thrpt: [-0.03936, +0.8016, +0.20176] No change in performance detected.
bench flexirand/flexiran
                                                               time: [2.8185 ms 2.8195 ms 2.8207 ms]
thrpt: [354.53 elem/s 354.67 elem/s 354.80 elem/s]
   change: ccm/s 354.67 elem/s 354.80 elem/s]

time: [-0.2919% -0.1204% +0.0196%] (p = 0.16 > 0.05)
thrpt: [-0.0196% +0.1206% +0.2928%]
No change in performance detected.

1 (5.00%) high mild ench fley/rend/fix.
                                              lexirand_glow_bn254/unblindin
                                                                time: [126.03 µs 126.16 µs 126.33 µs]
thrpt: [7.9156 Kelem/s 7.9264 Kelem/s 7.9348 Kelem/s]
                                            change: time: [-0.1140% +0.0455% +0.1903%] (p = 0.58 > 0.05) thrpt: [-0.1900% -0.0455% +0.1141%] No change in performance detected.
  Running benches/instarand.rs (target/release/deps/instarand-5470924c2344a7b1)
Gnuplot not found, using plotters backend
bench_instarand/goldberg_vrf_secp256d/ik/eygen
                                                                 time: [16.928 µs 16.933 µs 16.939 µs]
thrpt: [59.036 Kelem/s 59.056 Kelem/s 59.074 Kelem/s]
                                            change: time: [-0.662% -0.3316% -0.0352%] (p = 0.05 < 0.05) thrpt: [+0.0352% +0.3327% +0.6707%] Change within noise threshold.
bench_instarand/goldberg_vrf_secp256k1/Client_vrf_eval
time: [181.42 µs 181.50 µs 181.60 µs]
thrpt: [5.5065 Kelem/s 5.5097 Kelem/s 5.5121 Kelem/s]
                                                                :
time: [-0.1373% -0.0404% +0.0554%] (p = 0.43 > 0.05)
thrpt: [-0.0554% +0.0405% +0.1375%]
                                                              No change in performance detected. 20 measurements (10.00%)
           (10.00%) high mild
th_instarand/goldberg_vrf_secp256k1/client_vrf_ver
time: [217.32 µs 217.54 µs 217.79 µs]
thrpt: [4.5915 Kelem/s 4.5968 Kelem/s 4.6014 Kelem/s]
change: [-0.1070% -0.0198% +0.0752%] (p = 0.68 > 0.05) thrpt: [-0.0752% +0.0198% +0.1071%] No change in performance detected.

Found 1 outliers among 20 measurements (5.00%) 1 (5.00%) high mild bench_instarand/bls_vrr__bn254/server_vrr__eval
                                                               Lime: [241.33 μs 241.56 μs 241.95 μs]
thrpt: [4.1331 Kelem/s 4.1397 Kelem/s 4.1437 Kelem/s]
                                             change:
    change:
    time: [-0.2085% -0.0273% +0.1816%] (p = 0.80 > 0.05)
    thrpt: [-0.1813% +0.0273% +0.2089%]
    wond 2 outliers among 20 measurements (10.00%)
    2 (10.00%) high severe
    ench_instarand/bls_vrf_bn254/server_vrf_ver
                                                                time: [2.8117 ms 2.8125 ms 2.8134 ms]
thrpt: [355.44 elem/s 355.55 elem/s 355.66 elem/s]
                                           ound 1 outliers among 2
1 (5.00%) high severe
 1 (5.0%) high severe bench_instarand/glow_dvrf_bn254/server_dvrf_partial_eval time: [500.80 µs 501.00 µs 501.25 µs] thrpt: [1.9956 Kelem/s 1.9966 Kelem/s 1.9968 Kelem/s 1.9968 Kelem/s 1.9968 Kelem/s 1.9968 Kelem/s 1.9068 Kelem/s 1.
     1 (5.00%) high mild
1 (5.00%) high severe
                                                                rf_bn254/server_dvrf_partial_ver
time: [613.91 µs 614.68 µs 615.48 µs]
thrpt: [1.6248 Kelem/s 1.6268 Kelem/s 1.6289 Kelem/s]
                                            bench instarand/glow dv
                                                               rr_bn254_tnresnotd_8
time: [486.60 μs 487.43 μs 488.75 μs]
thrpt: [2.0460 Kelem/s 2.0516 Kelem/s 2.0551 Kelem/s]
                                              change:
                                                              :
time: [-0.2918% +0.1297% +0.5702%] (p = 0.58 > 0.05)
thrpt: [-0.5670% -0.1296% +0.2927%]
No change in performance detected.
20 measurements (5.00%)
      1 (5.00%) high mild
                                                      .d
r_dvrf_bn254_threshold_16
                                                                time: [1.0058 ms 1.0068 ms 1.0085 ms]
thrpt: [991.61 elem/s 993.24 elem/s 994.21 elem/s]
                                             change:
                                                               :
time: [-0.3609% +0.0163% +0.3851%] (p = 0.94 > 0.05)
thrpt: [-0.3836% -0.0163% +0.3622%]
No change in performance detected.
rf hp/54 threshold 37
                                                               rf_bn254_threshold_32
time: [2.1311 ms 2.1326 ms 2.1343 ms]
thrpt: [468.53 elem/s 468.92 elem/s 469.24 elem/s]
                                             change:
                                                               :
time: [-0.2896% -0.0871% +0.1240%] (p = 0.41 > 0.05)
thrpt: [-0.1238% +0.0871% +0.2905%]
```