**LNER (FD)**

|  |  |
| --- | --- |
| Null Hypothesis: D(LNER) has a unit root |  |
| Exogenous: Constant |  |  |
| Lag Length: 0 (Automatic - based on SIC, maxlag=10) |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  | t-Statistic |   Prob.\* |
|  |  |  |  |  |
|  |  |  |  |  |
| Augmented Dickey-Fuller test statistic | -8.176177 |  0.0000 |
| Test critical values: | 1% level |  | -3.562669 |  |
|  | 5% level |  | -2.918778 |  |
|  | 10% level |  | -2.597285 |  |
|  |  |  |  |  |
|  |  |  |  |  |
| \*MacKinnon (1996) one-sided p-values. |  |

**LNIHK (FD)**

|  |  |
| --- | --- |
| Null Hypothesis: D(LNIHK) has a unit root |  |
| Exogenous: Constant |  |  |
| Lag Length: 0 (Automatic - based on SIC, maxlag=10) |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  | t-Statistic |   Prob.\* |
|  |  |  |  |  |
|  |  |  |  |  |
| Augmented Dickey-Fuller test statistic | -7.377259 |  0.0000 |
| Test critical values: | 1% level |  | -3.562669 |  |
|  | 5% level |  | -2.918778 |  |
|  | 10% level |  | -2.597285 |  |
|  |  |  |  |  |
|  |  |  |  |  |

**LNIPI (Level)**

|  |  |
| --- | --- |
| Null Hypothesis: LNIPI has a unit root |  |
| Exogenous: Constant |  |  |
| Lag Length: 0 (Automatic - based on SIC, maxlag=10) |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  | t-Statistic |   Prob.\* |
|  |  |  |  |  |
|  |  |  |  |  |
| Augmented Dickey-Fuller test statistic | -3.810079 |  0.0050 |
| Test critical values: | 1% level |  | -3.560019 |  |
|  | 5% level |  | -2.917650 |  |
|  | 10% level |  | -2.596689 |  |
|  |  |  |  |  |
|  |  |  |  |  |
| \*MacKinnon (1996) one-sided p-values. |  |

**LNM2 (FD)**

|  |  |
| --- | --- |
| Null Hypothesis: D(LNM2) has a unit root |  |
| Exogenous: Constant |  |  |
| Lag Length: 0 (Automatic - based on SIC, maxlag=10) |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  | t-Statistic |   Prob.\* |
|  |  |  |  |  |
|  |  |  |  |  |
| Augmented Dickey-Fuller test statistic | -12.06124 |  0.0000 |
| Test critical values: | 1% level |  | -3.562669 |  |
|  | 5% level |  | -2.918778 |  |
|  | 10% level |  | -2.597285 |  |
|  |  |  |  |  |
|  |  |  |  |  |
| \*MacKinnon (1996) one-sided p-values. |  |
| **LNIPI (FD)** |  |  |  |  |

|  |  |
| --- | --- |
| Null Hypothesis: D(BIRATE) has a unit root |  |
| Exogenous: Constant |  |  |
| Lag Length: 0 (Automatic - based on SIC, maxlag=10) |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  | t-Statistic |   Prob.\* |
|  |  |  |  |  |
|  |  |  |  |  |
| Augmented Dickey-Fuller test statistic | -4.261532 |  0.0013 |
| Test critical values: | 1% level |  | -3.562669 |  |
|  | 5% level |  | -2.918778 |  |
|  | 10% level |  | -2.597285 |  |
|  |  |  |  |  |
|  |  |  |  |  |
| \*MacKinnon (1996) one-sided p-values. |  |

**Penentuan LAG OPTIMAL 1**

|  |  |  |  |
| --- | --- | --- | --- |
| VAR Lag Order Selection Criteria |  |  |  |
| Endogenous variables: LNZAKAT LNM2 LNIPI LNIHK LNER BIRATE  |  |
| Exogenous variables: C  |  |  |  |  |
| Date: 03/09/23 Time: 14:58 |  |  |  |  |
| Sample: 2017M01 2021M06 |  |  |  |  |
| Included observations: 49 |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  Lag | LogL | LR | FPE | AIC | SC | HQ |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 0 |  200.4938 | NA  |  1.44e-11 | -7.938522 | -7.706871 | -7.850634 |
| 1 |  451.0594 |  429.5410 |  2.29e-15 | -16.69630 |  -15.07474\* |  -16.08108\* |
| 2 |  498.4418 |   69.62305\* |   1.54e-15\* | -17.16089 | -14.14942 | -16.01834 |
| 3 |  534.9270 |  44.67582 |  1.80e-15 | -17.18069 | -12.77932 | -15.51082 |
| 4V |  574.5406 |  38.80514 |  2.26e-15 | -17.32819 | -11.53690 | -15.13098 |
| 5 |  631.7268 |  42.01433 |  1.97e-15 |  -18.19293\* | -11.01173 | -15.46839 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**UJI STABILITAS**

|  |
| --- |
| Roots of Characteristic Polynomial |
| Endogenous variables: LNZAKAT LNM2 |
|         LNIPI LNIHK LNER BIRATE  |
| Exogenous variables: C  |
| Lag specification: 1 1 |
| Date: 03/09/23 Time: 15:03 |
|  |  |
|  |  |
|      Root | Modulus |
|  |  |
|  |  |
|  0.986770 |  0.986770 |
|  0.916061 |  0.916061 |
|  0.831300 |  0.831300 |
|  0.560360 |  0.560360 |
|  0.343056 - 0.320994i |  0.469813 |
|  0.343056 + 0.320994i |  0.469813 |
|  |  |
|  |  |

**UJI KOINTEGRASI**

|  |  |  |
| --- | --- | --- |
| Date: 03/09/23 Time: 15:15 |  |  |
| Sample (adjusted): 2017M03 2021M06 |  |  |
| Included observaCtions: 52 after adjustments |  |
| Trend assumption: No deterministic trend |  |
| Series: LNZAKAT LNM2 LNIPI LNIHK LNER BIRATE  |  |
| Lags interval (in first differences): 1 to 1 |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Unrestricted Cointegration Rank Test (Trace) |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Hypothesized |  | Trace | 0.05 |  |
| No. of CE(s) | Eigenvalue | Statistic | Critical Value | Prob.\*\* |
|  |  |  |  |  |
|  |  |  |  |  |
| None \* |  0.668104 |  140.4453 |  83.93712 |  0.0000 |
| At most 1 \* |  0.546103 |  83.09277 |  60.06141 |  0.0002 |
| At most 2 \* |  0.397506 |  42.01876 |  40.17493 |  0.0322 |
| At most 3 |  0.160708 |  15.67151 |  24.27596 |  0.4038 |
| At most 4 |  0.064852 |  6.561302 |  12.32090 |  0.3710 |
| At most 5 |  0.057414 |  3.074653 |  4.129906 |  0.0941 |
|  |  |  |  |  |
|  |  |  |  |  |
|  Trace test indicates 3 cointegrating eqn(s) at the 0.05 level |
|  \* denotes rejection of the hypothesis at the 0.05 level |
|  \*\*MacKinnon-Haug-Michelis (1999) p-values |  |

**MODEL VAR VECM**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Vector Error Correction Estimates |  |  |  |  |
| Date: 03/09/23 Time: 17:33 |  |  |  |  |
| Sample (adjusted): 2017M03 2021M06 |  |  |  |  |
| Included observations: 52 after adjustments |  |  |  |
| Standard errors in ( ) & t-statistics in [ ] |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Cointegrating Eq:  | CointEq1 |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| LNZAKAT(-1) |  1.000000 |  |  |  |  |  |
|  |  |  |  |  |  |  |
| LNM2(-1) |  20.10265 |  |  |  |  |  |
|  |  (3.40964) |  |  |  |  |  |
|  | [ 5.89582] |  |  |  |  |  |
|  |  |  |  |  |  |  |
| LNIPI(-1) | -8.637172 |  |  |  |  |  |
|  |  (2.12599) |  |  |  |  |  |
|  | [-4.06266] |  |  |  |  |  |
|  |  |  |  |  |  |  |
| LNIHK(-1) |  15.38084 |  |  |  |  |  |
|  |  (2.33540) |  |  |  |  |  |
|  | [ 6.58595] |  |  |  |  |  |
|  |  |  |  |  |  |  |
| LNER(-1) | -29.34708 |  |  |  |  |  |
|  |  (5.30471) |  |  |  |  |  |
|  | [-5.53227] |  |  |  |  |  |
|  |  |  |  |  |  |  |
| BIRATE(-1) |  1.891710 |  |  |  |  |  |
|  |  (0.24912) |  |  |  |  |  |
|  | [ 7.59356] |  |  |  |  |  |
|  |  |  |  |  |  |  |
| C | -96.00334 |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Error Correction: | D(LNZAKAT) | D(LNM2) | D(LNIPI) | D(LNIHK) | D(LNER) | D(BIRATE) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| CointEq1 | -0.269011 | -0.001749 |  0.023593 | -0.016699 |  0.005781 | -0.012294 |
|  |  (0.05626) |  (0.00174) |  (0.00699) |  (0.00448) |  (0.00363) |  (0.01860) |
|  | [-4.78144] | [-1.00389] | [ 3.37452] | [-3.72687] | [ 1.59269] | [-0.66101] |
|  |  |  |  |  |  |  |
| D(LNZAKAT(-1)) | -0.291576 | -0.000207 | -0.061983 | -0.014507 |  0.002139 |  0.059236 |
|  |  (0.14489) |  (0.00449) |  (0.01801) |  (0.01154) |  (0.00935) |  (0.04790) |
|  | [-2.01237] | [-0.04619] | [-3.44248] | [-1.25717] | [ 0.22886] | [ 1.23670] |
|  |  |  |  |  |  |  |
| D(LNM2(-1)) |  4.887669 | -0.513958 | -0.118189 |  0.537297 | -1.122174 | -1.131989 |
|  |  (6.96188) |  (0.21555) |  (0.86513) |  (0.55445) |  (0.44914) |  (2.30147) |
|  | [ 0.70206] | [-2.38443] | [-0.13661] | [ 0.96907] | [-2.49852] | [-0.49185] |
|  |  |  |  |  |  |  |
| D(LNIPI(-1)) |  1.219918 | -0.017539 | -0.329862 | -0.092078 | -0.001661 |  0.708192 |
|  |  (0.97100) |  (0.03006) |  (0.12066) |  (0.07733) |  (0.06264) |  (0.32100) |
|  | [ 1.25635] | [-0.58341] | [-2.73374] | [-1.19069] | [-0.02651] | [ 2.20623] |
|  |  |  |  |  |  |  |
| D(LNIHK(-1)) |  1.449494 |  0.060184 | -0.042682 | -0.031192 |  0.049826 |  0.304679 |
|  |  (1.74274) |  (0.05396) |  (0.21656) |  (0.13879) |  (0.11243) |  (0.57612) |
|  | [ 0.83173] | [ 1.11540] | [-0.19709] | [-0.22474] | [ 0.44318] | [ 0.52885] |
|  |  |  |  |  |  |  |
| D(LNER(-1)) | -8.416200 | -0.024365 |  0.982464 | -0.427473 |  0.274692 |  0.952407 |
|  |  (3.23636) |  (0.10020) |  (0.40217) |  (0.25775) |  (0.20879) |  (1.06988) |
|  | [-2.60052] | [-0.24316] | [ 2.44290] | [-1.65851] | [ 1.31564] | [ 0.89020] |
|  |  |  |  |  |  |  |
| D(BIRATE(-1)) |  1.079783 | -0.002680 | -0.102639 |  0.056324 | -0.018642 |  0.540053 |
|  |  (0.42460) |  (0.01315) |  (0.05276) |  (0.03382) |  (0.02739) |  (0.14036) |
|  | [ 2.54308] | [-0.20384] | [-1.94529] | [ 1.66565] | [-0.68055] | [ 3.84752] |
|  |  |  |  |  |  |  |
| C |  0.052318 |  0.010688 |  0.001609 | -0.004750 |  0.008432 | -0.006206 |
|  |  (0.07206) |  (0.00223) |  (0.00895) |  (0.00574) |  (0.00465) |  (0.02382) |
|  | [ 0.72608] | [ 4.79076] | [ 0.17970] | [-0.82780] | [ 1.81394] | [-0.26052] |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| R-squared |  0.485135 |  0.287002 |  0.537298 |  0.252105 |  0.190988 |  0.378272 |
| Adj. R-squared |  0.403224 |  0.173571 |  0.463686 |  0.133122 |  0.062281 |  0.279360 |
| Sum sq. resids |  8.007124 |  0.007676 |  0.123647 |  0.050786 |  0.033326 |  0.875053 |
| S.E. equation |  0.426591 |  0.013208 |  0.053011 |  0.033974 |  0.027521 |  0.141023 |
| F-statistic |  5.922745 |  2.530180 |  7.299079 |  2.118827 |  1.483903 |  3.824349 |
| Log likelihood | -25.14109 |  155.5602 |  83.29589 |  106.4310 |  117.3846 |  32.41778 |
| Akaike AIC |  1.274657 | -5.675392 | -2.895996 | -3.785806 | -4.207101 | -0.939145 |
| Schwarz SC |  1.574849 | -5.375201 | -2.595804 | -3.485615 | -3.906909 | -0.638954 |
| Mean dependent |  0.029949 |  0.007045 |  0.001934 | -0.003580 |  0.001610 | -0.024038 |
| S.D. dependent |  0.552213 |  0.014529 |  0.072386 |  0.036489 |  0.028420 |  0.166124 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Determinant resid covariance (dof adj.) |  5.26E-16 |  |  |  |  |
| Determinant resid covariance |  1.93E-16 |  |  |  |  |
| Log likelihood |  498.0788 |  |  |  |  |
| Akaike information criterion | -17.07995 |  |  |  |  |
| Schwarz criterion | -15.05366 |  |  |  |  |
| Number of coefficients |  54 |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**IR**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  Period | LNZAKAT | LNM2 | LNIPI | LNIHK | LNER | BIRATE |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  1 |  0.426591 |  0.000000 |  0.000000 |  0.000000 |  0.000000 |  0.000000 |
|  2 |  0.250887 | -0.086758 |  0.188756 | -0.066968 | -0.020560 |  0.076648 |
|  3 |  0.222492 |  0.029938 |  0.146270 | -0.085927 |  0.202901 | -0.030598 |
|  4 |  0.217455 | -0.046256 |  0.114657 | -0.067258 |  0.196767 | -0.084113 |
|  5 |  0.232985 | -0.015603 |  0.104662 | -0.076381 |  0.141561 | -0.076605 |
|  6 |  0.231993 | -0.028171 |  0.102763 | -0.072289 |  0.132838 | -0.074311 |
|  7 |  0.232458 | -0.022217 |  0.109045 | -0.077654 |  0.134416 | -0.072058 |
|  8 |  0.228382 | -0.023743 |  0.108732 | -0.077441 |  0.143219 | -0.076731 |
|  9 |  0.228665 | -0.023125 |  0.107308 | -0.077823 |  0.143895 | -0.079269 |
|  10 |  0.228830 | -0.023717 |  0.106380 | -0.077555 |  0.142122 | -0.079800 |
|  11 |  0.229143 | -0.023470 |  0.106364 | -0.077734 |  0.141042 | -0.079518 |
|  12 |  0.229008 | -0.023536 |  0.106540 | -0.077820 |  0.141190 | -0.079514 |
|  13 |  0.228905 | -0.023460 |  0.106584 | -0.077903 |  0.141516 | -0.079685 |
|  14 |  0.228857 | -0.023491 |  0.106513 | -0.077900 |  0.141620 | -0.079843 |
|  15 |  0.228877 | -0.023488 |  0.106464 | -0.077903 |  0.141544 | -0.079884 |
|  16 |  0.228885 | -0.023493 |  0.106455 | -0.077905 |  0.141489 | -0.079881 |
|  17 |  0.228884 | -0.023488 |  0.106462 | -0.077912 |  0.141486 | -0.079880 |
|  18 |  0.228877 | -0.023488 |  0.106464 | -0.077916 |  0.141501 | -0.079889 |
|  19 |  0.228875 | -0.023488 |  0.106462 | -0.077917 |  0.141507 | -0.079897 |
|  20 |  0.228875 | -0.023488 |  0.106459 | -0.077917 |  0.141505 | -0.079900 |
|  21 |  0.228875 | -0.023488 |  0.106458 | -0.077917 |  0.141502 | -0.079901 |
|  22 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141502 | -0.079901 |
|  23 |  0.228875 | -0.023488 |  0.106459 | -0.077918 |  0.141502 | -0.079901 |
|  24 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  25 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  26 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  27 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  28 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  29 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  30 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  31 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  32 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  33 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  34 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  35 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  36 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  37 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  38 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  39 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  40 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  41 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  42 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  43 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  44 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  45 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  46 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  47 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  48 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  49 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  50 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  51 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  52 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  53 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  54 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  55 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  56 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  57 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  58 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  59 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
|  60 |  0.228875 | -0.023488 |  0.106458 | -0.077918 |  0.141503 | -0.079902 |
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|  |  |  |  |  |  |  |
| Cholesky Ordering: LNZAKAT LNM2 LNIPI LNIHK LNER BIRATE |  |  |
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**VD**



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|  Period | S.E. | LNZAKAT | LNM2 | LNIPI | LNIHK | LNER | BIRATE |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  1 |  0.426591 |  100.0000 |  0.000000 |  0.000000 |  0.000000 |  0.000000 |  0.000000 |
|  2 |  0.546683 |  81.95221 |  2.518536 |  11.92146 |  1.500601 |  0.141444 |  1.965752 |
|  3 |  0.648186 |  70.07752 |  2.004847 |  13.57236 |  2.824787 |  9.899344 |  1.621139 |
|  4 |  0.730091 |  64.10740 |  1.981660 |  13.16425 |  3.075199 |  15.06637 |  2.605119 |
|  5 |  0.793886 |  62.83106 |  1.714603 |  12.87162 |  3.526493 |  15.92187 |  3.134357 |
|  6 |  0.850778 |  62.14453 |  1.602595 |  12.66666 |  3.792590 |  16.30153 |  3.492099 |
|  7 |  0.905281 |  61.48043 |  1.475662 |  12.63827 |  4.085463 |  16.60234 |  3.717832 |
|  8 |  0.957327 |  60.66845 |  1.381082 |  12.59145 |  4.307684 |  17.08433 |  3.967001 |
|  9 |  1.006906 |  59.99841 |  1.301174 |  12.51777 |  4.491285 |  17.48562 |  4.205739 |
|  10 |  1.053889 |  59.48255 |  1.238389 |  12.44543 |  4.641298 |  17.77989 |  4.412451 |
|  11 |  1.098778 |  59.07080 |  1.184899 |  12.38641 |  4.770321 |  18.00455 |  4.583028 |
|  12 |  1.141917 |  58.71385 |  1.139544 |  12.33869 |  4.881119 |  18.19865 |  4.728151 |
|  13 |  1.183524 |  58.39900 |  1.100122 |  12.29743 |  4.977232 |  18.37134 |  4.854876 |
|  14 |  1.223724 |  58.12267 |  1.065879 |  12.26034 |  5.060826 |  18.52345 |  4.966842 |
|  15 |  1.262638 |  57.88102 |  1.035794 |  12.22722 |  5.134351 |  18.65593 |  5.065679 |
|  16 |  1.300384 |  57.66771 |  1.009175 |  12.19788 |  5.199523 |  18.77249 |  5.153224 |
|  17 |  1.337064 |  57.47743 |  0.985424 |  12.17179 |  5.257707 |  18.87637 |  5.231279 |
|  18 |  1.372766 |  57.30641 |  0.964110 |  12.14838 |  5.309933 |  18.96979 |  5.301385 |
|  19 |  1.407564 |  57.15199 |  0.944875 |  12.12722 |  5.357064 |  19.05415 |  5.364706 |
|  20 |  1.441521 |  57.01197 |  0.927434 |  12.10800 |  5.399808 |  19.13063 |  5.422158 |
|  21 |  1.474697 |  56.88444 |  0.911544 |  12.09049 |  5.438752 |  19.20027 |  5.474502 |
|  22 |  1.507142 |  56.76777 |  0.897008 |  12.07448 |  5.474381 |  19.26398 |  5.522388 |
|  23 |  1.538904 |  56.66062 |  0.883659 |  12.05977 |  5.507101 |  19.32248 |  5.566364 |
|  24 |  1.570023 |  56.56188 |  0.871358 |  12.04622 |  5.537252 |  19.37640 |  5.606890 |
|  25 |  1.600537 |  56.47060 |  0.859986 |  12.03369 |  5.565126 |  19.42624 |  5.644357 |
|  26 |  1.630481 |  56.38596 |  0.849442 |  12.02207 |  5.590971 |  19.47246 |  5.679097 |
|  27 |  1.659884 |  56.30727 |  0.839638 |  12.01126 |  5.615002 |  19.51543 |  5.711398 |
|  28 |  1.688775 |  56.23392 |  0.830500 |  12.00119 |  5.637402 |  19.55548 |  5.741507 |
|  29 |  1.717181 |  56.16538 |  0.821961 |  11.99178 |  5.658332 |  19.59291 |  5.769641 |
|  30 |  1.745124 |  56.10119 |  0.813965 |  11.98297 |  5.677932 |  19.62796 |  5.795987 |
|  31 |  1.772626 |  56.04096 |  0.806461 |  11.97470 |  5.696326 |  19.66084 |  5.820711 |
|  32 |  1.799709 |  55.98432 |  0.799405 |  11.96693 |  5.713620 |  19.69177 |  5.843957 |
|  33 |  1.826389 |  55.93097 |  0.792759 |  11.95960 |  5.729912 |  19.72090 |  5.865856 |
|  34 |  1.852686 |  55.88063 |  0.786487 |  11.95269 |  5.745285 |  19.74839 |  5.886520 |
|  35 |  1.878615 |  55.83305 |  0.780559 |  11.94616 |  5.759815 |  19.77437 |  5.906051 |
|  36 |  1.904190 |  55.78800 |  0.774948 |  11.93997 |  5.773570 |  19.79897 |  5.924539 |
|  37 |  1.929427 |  55.74530 |  0.769628 |  11.93411 |  5.786610 |  19.82228 |  5.942067 |
|  38 |  1.954337 |  55.70476 |  0.764578 |  11.92854 |  5.798989 |  19.84442 |  5.958707 |
|  39 |  1.978935 |  55.66623 |  0.759777 |  11.92325 |  5.810756 |  19.86546 |  5.974525 |
|  40 |  2.003230 |  55.62955 |  0.755208 |  11.91822 |  5.821957 |  19.88549 |  5.989579 |
|  41 |  2.027234 |  55.59460 |  0.750854 |  11.91342 |  5.832629 |  19.90457 |  6.003926 |
|  42 |  2.050957 |  55.56126 |  0.746700 |  11.90884 |  5.842811 |  19.92278 |  6.017612 |
|  43 |  2.074409 |  55.52941 |  0.742733 |  11.90447 |  5.852535 |  19.94017 |  6.030683 |
|  44 |  2.097598 |  55.49897 |  0.738940 |  11.90029 |  5.861832 |  19.95679 |  6.043178 |
|  45 |  2.120534 |  55.46984 |  0.735310 |  11.89629 |  5.870728 |  19.97270 |  6.055137 |
|  46 |  2.143225 |  55.44193 |  0.731834 |  11.89246 |  5.879250 |  19.98793 |  6.066591 |
|  47 |  2.165678 |  55.41518 |  0.728501 |  11.88879 |  5.887420 |  20.00254 |  6.077573 |
|  48 |  2.187900 |  55.38950 |  0.725302 |  11.88526 |  5.895260 |  20.01656 |  6.088111 |
|  49 |  2.209899 |  55.36485 |  0.722231 |  11.88188 |  5.902789 |  20.03003 |  6.098232 |
|  50 |  2.231681 |  55.34115 |  0.719278 |  11.87862 |  5.910026 |  20.04297 |  6.107959 |
|  51 |  2.253253 |  55.31835 |  0.716439 |  11.87549 |  5.916987 |  20.05541 |  6.117316 |
|  52 |  2.274620 |  55.29641 |  0.713705 |  11.87248 |  5.923687 |  20.06739 |  6.126322 |
|  53 |  2.295788 |  55.27527 |  0.711072 |  11.86958 |  5.930142 |  20.07894 |  6.134998 |
|  54 |  2.316763 |  55.25490 |  0.708533 |  11.86678 |  5.936364 |  20.09006 |  6.143362 |
|  55 |  2.337550 |  55.23524 |  0.706085 |  11.86408 |  5.942365 |  20.10079 |  6.151429 |
|  56 |  2.358153 |  55.21627 |  0.703722 |  11.86148 |  5.948158 |  20.11115 |  6.159215 |
|  57 |  2.378578 |  55.19795 |  0.701439 |  11.85897 |  5.953753 |  20.12115 |  6.166735 |
|  58 |  2.398829 |  55.18025 |  0.699234 |  11.85653 |  5.959159 |  20.13082 |  6.174003 |
|  59 |  2.418910 |  55.16313 |  0.697101 |  11.85418 |  5.964387 |  20.14017 |  6.181030 |
|  60 |  2.438827 |  55.14657 |  0.695038 |  11.85191 |  5.969444 |  20.14921 |  6.187828 |
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| Cholesky Ordering: LNZAKAT LNM2 LNIPI LNIHK LNER BIRATE |  |  |  |
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