**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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