capture generate ldem = log(dem)la var ldem "Natural log of DEM"

. drop t

```
F41. .6562083
                                                               1.109383
                         .2312158
                                    2.84
                                         0.005
                                                    .2030337
     log type: smcl
opened on: 13 Jul 2025, 12:27:34
. import excel .\data_svar.xlsx,/*
> */ sheet("data") firstrow clear
(9 vars, 759 obs)
. generate Period = tm(1960m1) + _n-1
. format %tm Period
. drop if Period > tm(2019m12)
(39 observations deleted)
. label variable pri "Political Relationship Index"
. label variable pri_s "PRI Standardized"
. label variable gop "Global Oil Production"
. label variable rspri "Real Spot Price"
. label variable wip "World Industrial Production"
. label variable dinv "Variation of Inventories"
. label variable gprcn ///
          "Percent of Articles on China in the Bil. GPR"
. label variable igrea ///
          "Index of Global Real Economic Activity"
. rename gop pro
. rename wip dem
. rename rspri rpo
. capture generate lpro = log(pro)
. la var lpro "Natural log of PRO"
. capture generate lrpo = log(rpo)
. la var lrpo "Natural log of RPO"
```

```
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. order Period, first
. /* Another transformation for the PRI index */
. gen lpri = sign(pri) * log(1 + abs(pri))
. label variable lpri "Political Relationship Index"
. gen ligrea = sign(igrea) * log(1 + abs(igrea))
(96 missing values generated)
. label variable ligrea "Global Real Economic Activity"
. summarize lpri lpro ldem lrpo gprcn ligrea if Period>tm(2000m1)
   Variable
                      0bs
                                 Mean
                                         Std. dev.
                                                         Min
                                                                    Max
                             .2934882
                                         .8635308 -2.054124
        lpri
                      239
                                                              1.193923
        1pro
                      239
                             4.318169
                                         .0624468
                                                   4.192786
                                                               4.438475
                             4.702075
                                         .1403389
                                                    4.450089
                                                               4.904061
       1dem
                      239
       1rpo
                      239
                             3.268457
                                         .3928032
                                                    2.388421
                                                               4.120459
      gprcn
                             .4806391
                                         .2381402
                                                    .1612948
                                                               1.521136
                      239
                             .0950085
                                         3.844319 -5.093765
     ligrea
                      239
                                                              5.246595
            using sum.doc if Period>tm(2000m1), replace sum(log) ///
> outreg2
            keep(lpri lpro ldem lrpo gprcn) dec(3)
> */
. **# Declare time series
. tsset Period, monthly
Time variable: Period, 1960m1 to 2019m12
       Delta: 1 month
. save database_pri_gpr.dta, replace
file database_pri_gpr.dta saved
. twoway (tsline lpri if Period>tm(2000m1)) ///
         (tsline gprcn if Period>tm(2000m1), yaxis(2)), ///
>
             name(G0, replace) legend(off)
. graph export "G0.svg", as(svg) replace
file G0.svg saved as SVG format
. graph export "GO.pdf", as(pdf) replace
file G0.pdf saved as PDF format
. graph export "GO.png", as(png) width(4000) replace
file G0.png saved as PNG format
```

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- . matrix A = (1,0,0,0,.,1,0,0,.,.,1,0,.,.,1)
- . matlist A

	c1	c2	с3	c4
r1	1	0	0	0
r2	•	1	0	0
r3	•	•	1	0
r4	•	•	•	1

. matlist B

	c1	c2	c 3	c4
r1				
r2	0	•		
r3	0	0	•	
r4	0	0	0	

. svar lpri lpro ldem lrpo if Period>tm(2000m1), aeq(A) beq(B) ///

> lags(1/24)

Estimating short-run parameters

Iteration 0: Log likelihood = -1089.3698 Iteration 1: Log likelihood = 988.23688 Iteration 2: Log likelihood = 1255.9806
Iteration 3: Log likelihood = 1738.8122
Iteration 4: Log likelihood = 2153.2785 | Tteration 4: Log likelihood = 2359.5949 |
| Tteration 5: Log likelihood = 2359.5949 |
| Tteration 6: Log likelihood = 2436.0247 |
| Tteration 7: Log likelihood = 2462.6683 |
| Tteration 9: Log likelihood = 2464.6814 |
| Tteration 10: Log likelihood = 2464.694 |
| Tteration 10: Log likelihood = 2464.694 | Iteration 9: Log likelihood = 2464.694
Iteration 10: Log likelihood = 2464.694

Structural vector autoregression

- $(1) [/A]1_1 = 1$
- $(2) [/A]1_2 = 0$
- (3) $[/A]1_3 = 0$ (4) $[/A]1_4 = 0$
- $(5) [/A]2_2 = 1$
- $(6) [/A]2_3 = 0$
- (7) $[/A]_{2_4} = 0$ (8) $[/A]_{3_3} = 1$
- $(9) [/A]3_4 = 0$
- (10) $[/A]4_4 = 1$ (11) $[/B]1_2 = 0$
- $(12) [/B]1_3 = 0$
- (13) [/B]1_4 = 0 (14) [/B]2_1 = 0
- $(15) [/B]2_3 = 0$
- $(16) [/B]2_4 = 0$
- (17) [/B]3_1 = 0 (18) [/B]3_2 = 0
- $(19) [/B]3_4 = 0$
- (20) $[/B]4_1 = 0$ $(21) [/B]4_2 = 0$
- (22) $[/B]4_3 = 0$

Sample: 2000m2 thru 2019m12 Exactly identified model

Number of obs Log likelihood = 2464.694

		Coefficient	Std. err.	z	P> z	[95% conf.	interval]
/A							
	1_1	1	(constrained))			
	2_1	0126754	.0047564	-2.66	0.008	0219977	0033531
	3_1	.0007724	.0031607	0.24	0.807	0054225	.0069673
	4_1	.0836298	.0493863	1.69	0.090	0131656	.1804253
	1_2	0	(constrained))			
	2_2	1	(constrained))			
	3_2	0649535	.0423596	-1.53	0.125	1479769	.0180698
	4_2	1.620257	.6650372	2.44	0.015	.3168079	2.923706
	1_3	0	(constrained))			
	2_3	0	(constrained))			
	3_3	1	(constrained))			
	4_3	-2.33248	1.010576	-2.31	0.021	-4.313173	3517882
	1_4	0	(constrained))			
	2_4	0	(constrained))			
	3_4	0	(constrained)			
	4_4	1	(constrained))			
/B							
	1_1	.0808577	.0036983	21.86	0.000	.0736091	.0881063
	2_1	0	(constrained))			
	3_1	0	(constrained)			
	4 1	0	(constrained)			
	1_2	0	(constrained)			
	1_2 2_2 3_2 4_2 1_3	.0059456	.0002719	21.86	0.000	.0054126	.0064786
	3 2	0	(constrained))			
	4_2	0	(constrained)			
	1 3	0	(constrained)			
	2_3	0	(constrained)			
	3_3	.0038936	.0001781	21.86	0.000	.0035445	.0042426
	4 <u>_</u> 3	0	(constrained))			
	1_4	0	(constrained)			
	2_4	0	(constrained)			
	3_4	0	(constrained				
	4_4	.0608295	.0027823	21.86	0.000	.0553764	.0662827

- . /* compute the inv(B)*A matrix */
 . matrix A=e(A)
- . matrix B=e(B)
- . matrix BA = inv(B)*A
- . /* compute reduced form epsilon_t residuals */
 . var lpri lpro ldem lrpo if Period>tm(2000m1)

Vector autoregression

Sample: 2000m2	thr	u 2019m12	Number of obs	=	239
Log likelihood	=	2190.165	AIC	=	-18.02649
FPE	=	1.74e-13	HQIC	=	-17.81547
<pre>Det(Sigma_ml)</pre>	=	1.29e-13	SBIC	=	-17.50284

Equation	Parms	RMSE	R-sq	chi2	P>chi2
lpri	9	.113468	0.9833	14084.61	0.0000
1pro	9	.007845	0.9847	15430.2	0.0000
ldem	9	.005659	0.9984	151862.9	0.0000
lrpo	9	.080528	0.9594	5645.453	0.0000

		T					
		Coefficient	Std. err.	Z	P> z	[95% conf.	interval]
lpri							
	lpri						
	L1.	1.02088	.065043	15.70	0.000	.8933984	1.148362
	L2.	0404373	.0649793	-0.62	0.534	1677943	.0869197
	_						
	lpro	5550470	0275070	0.50	0 = 46	2 402055	4 074440
	L1.	5662178	.9375872	-0.60 0.49	0.546 0.626	-2.403855	1.271419
	L2.	.4591511	.9410169	0.49	0.626	-1.385208	2.30351
	ldem						
	L1.	2.328491	1.235075	1.89	0.059	0922117	4.749194
	L2.	-2.516937	1.222366	-2.06	0.039	-4.91273	1211443
	lrpo						
	L1.	.0197547	.0909455	0.22	0.828	1584951	.1980046
	L2.	.0561329	.0913182	0.61	0.539	1228475	.2351133
	_cons	1.092742	1.088601	1.00	0.315	-1.040876	3.22636
1pro							
	lpri						
	L1.	.0046979	.0044971	1.04	0.296	0041163	.0135122
	L2.	0051903	.0044927	-1.16	0.248	0139959	.0036153
	_						
	lpro	2052222	0640056	42.00	0.000	7500040	4 000446
	L1.	.8960902	.0648256	13.82	0.000	.7690342	1.023146
	L2.	.0002203	.0650628	0.00	0.997	1273004	.127741
	ldem						
	L1.	.1852567	.0853942	2.17	0.030	.0178871	.3526264
	L2.	1393035	.0845155	-1.65	0.099	3049508	.0263439
	lrpo						
	L1.	.0084163	.0062881	1.34	0.181	003908	.0207407
	L2.	0104668	.0063138	-1.66	0.097	0228417	.001908
	_cons	.2392245	.0752669	3.18	0.001	.0917042	.3867448
1dem							
	lpri						
	L1.	.004107	.0032438	1.27	0.205	0022508	.0104649
	L2.	0032437	.0032407	-1.00	0.317	0095953	.0031079
	1						
	1pro	0022044	0467506	1 07	0 040	0006272	1020215
	L1. L2.	.0922844	.0467596 .0469307	1.97 -1.47	0.048 0.141	.0006372 160996	.1839315
	LZ.	0090130	.0409307	-1.4/	0.141	100330	.0229000
	ldem						
	L1.	1.151338	.061596	18.69	0.000	1.030612	1.272064
	L2.	1602631	.0609622	-2.63	0.009	2797468	0407795
	lrpo						
	L1.	.0238001	.0045357	5.25	0.000	.0149103	.0326898
	L2.	0253468	.0045542	-5.57	0.000	0342729	0164206
	cons	0522002	.054291	-0.96	0.336	1586086	.0542082
lrpo							
	lpri						
	L1.	0363973	.0461606	-0.79	0.430	1268704	.0540758
	L2.	.0459971	.0461153	1.00	0.319	0443872	.1363815
	lpro						
	L1.	476452	.6653989	-0.72	0.474	-1.78061	.8277059
	L1. L2.	476452	.6678329	-0.72 -0.11	0.474	-1.384019	1.233838
	LZ.	.07 50501	.00/0323	0.11	0.510	1.30-013	
	ldem						
	L1.	2.394223	.876524	2.73	0.006	.6762673	4.112178
	L2.	-2.102661	.8675043	-2.42	0.015	-3.802938	4023834
			_		-		

1.170197

.0645433

18.13

0.000

1.043694

Number of obs

Number of impulses = 4 Number of responses = 3 Number of controls = 93

= 168

1.2967

lrpo

L1.

Sample: 2002m2 thru 2016m1

```
0.000
                            .0648079
                                                         -.3600071
         L2.
                 -.232986
                                        -3.60
                                                                      -.1059649
                 1.209696
                             .772572
                                         1.57
                                                0.117
                                                         -.3045171
                                                                       2.72391
       _cons
. capture drop epsilon*
. predict double epsilon1 if Period>tm(2000m1),residual eq(#1)
(481 missing values generated)
 predict double epsilon2 if Period>tm(2000m1),residual eq(#2)
(481 missing values generated)
. predict double epsilon3 if Period>tm(2000m1),residual eq(#3)
(481 missing values generated)
. predict double epsilon4 if Period>tm(2000m1),residual eq(#4)
(481 missing values generated)
. /* store the epsilon* variables in the epsilon matrix */
. mkmat epsilon*, matrix(epsilon)
. /* compute e_t matrix of structural shocks */
. matrix e = (BA*epsilon')'
. /* store columns of e as variables e1, e2, and e3 */
. svmat double e
. label variable epsilon1 "Reduced-form shocks - PRI"
. label variable e1 "Structural shocks - PRI"
. twoway (tsline e1 if Period>tm(2000m1)) (tsline epsilon1 ///
> if Period>tm(2000m1), yaxis(1)), ///
> name(G1, replace) legend(position(6)) graphregion(margin(r+5))
. graph export "G1.svg", as(svg) replace
file G1.svg saved as SVG format
. graph export "G1.png", as(png) width(4000) replace
file G1.png saved as PNG format
. graph export "G1.pdf", as(pdf) replace
file G1.pdf saved as PDF format
. irf set comparemodels.irf, replace
(file comparemodels.irf created)
(file comparemodels.irf now active)
. lpirf lpro ldem lrpo, step(48) lags(1/24) ///
    exog(L(0/24).e1) vce(robust)
Local-projection impulse responses
```

		IRF	Robust				
		coefficient	std. err.	z	P> z	[95% conf.	interval]
Lpro							
•	lpro						
	F1.	.7280321	.0749194	9.72	0.000	.5811929	.8748714
	F2.	.4216241	.1017658	4.14	0.000	.2221668	.6210814
	F3.	.5446221	.1237814	4.40	0.000	.302015	.7872291
	F4.	.6010137	.1142347	5.26	0.000	.3771179	.8249096
	F5. F6.	.4057281 .2547685	.1361754 .1614373	2.98 1.58	0.003 0.115	.1388292 0616427	.6726269 .5711797
	F7.	.4332713	.1710729	2.53	0.011	.0979746	.768568
	F8.	.3279943	.1727271	1.90	0.058	0105446	.6665332
	F9.	.0853209	.1960551	0.44	0.663	2989401	.4695819
	F10.	.044739	.2021815	0.22	0.825	3515294	.4410074
	F11.	048991	.1967516	-0.25	0.803	434617	.336635
	F12.	1641304	.2136171	-0.77	0.442	5828122	.2545514
	F13.	1940814	.201404	-0.96	0.335	5888259	. 2006631
	F14.	1584372	.1916641	-0.83	0.408	5340919	.2172175
	F15.	.0240363	.1916473	0.13	0.900	3515856	.3996581
	F16.	.0328429	.1845682 .1794828	0.18	0.859 0.750	3289041 4088831	.3945899
	F17. F18.	0571032 3762281	.1794828	-0.32 -2.10	0.750	7265515	.2946767 0259047
	F19.	3368972	.1694677	-1.99	0.033	6690477	0047467
	F20.	3018486	.1747246	-1.73	0.084	6443024	.0406052
	F21.	3896337	.1775804	-2.19	0.028	7376849	0415826
	F22.	3669813	.1798814	-2.04	0.041	7195423	0144203
	F23.	1899652	.1754854	-1.08	0.279	5339101	.1539798
	F24.	.163075	.1759515	0.93	0.354	1817836	.5079336
	F25.	.0813748	.1746958	0.47	0.641	2610227	.4237722
	F26.	.0461432	.1767044	0.26	0.794	3001911	.3924774
	F27.	1375089	.1667166	-0.82	0.409	4642674	.1892497
	F28.	4095511	.1567865	-2.61	0.009	716847	1022552
	F29.	5810485	.1617619	-3.59	0.000	898096	264001
	F30.	5698554	.1758353	-3.24 -2.29	0.001 0.022	9144863	2252244
	F31. F32.	4317491 4025284	.188808 .1824437	-2.29	0.022	801806 7601116	0616922 0449452
	F33.	4473601	.1879825	-2.38	0.017	815799	0789212
	F34.	4458647	.193643	-2.30	0.021	8253979	0663315
	F35.	4427674	. 207807	-2.13	0.033	8500617	0354731
	F36.	4072453	.2235559	-1.82	0.069	8454069	.0309162
	F37.	3217304	.2248056	-1.43	0.152	7623413	.1188806
	F38.	4207483	.2129525	-1.98	0.048	8381275	0033691
	F39.	2608648	.2008349	-1.30	0.194	654494	.1327643
	F40.	2470077	.2014503	-1.23	0.220	6418431	.1478278
	F41.	2858679	.1998949	-1.43	0.153	6776547	.1059189
	F42.	4435064	.2134803	-2.08	0.038	8619202	0250927
	F43. F44.	4191426 4810465	.2262433 .2237437	-1.85 -2.15	0.064 0.032	8625713 9195761	.0242861 042517
	F45.	2815818	.2182647	-1.29	0.032	7093728	.1462093
	F46.	2744714	.2294095	-1.20	0.232	7241057	.1751629
	F47.	.119039	.2219973	0.54	0.592	3160678	.5541458
	F48.	.2256926	.2265898	1.00	0.319	2184153	.669800
	ldom						
	ldem F1.	.0597481	.0610714	0.98	0.328	0599496	.1794459
	F2.	.0764188	.0984725	0.78	0.328	1165839	. 2694214
	F3.	.1802088	.1356174	1.33	0.184	0855964	.446014
	F4.	.2640022	.1675983	1.58	0.115	0644844	.5924888
	F5.	.1379775	.1876172	0.74	0.462	2297454	.5057005
	F6.	0081502	.2131958	-0.04	0.970	4260063	.4097059
	F7.	0920868	.2283933	-0.40	0.687	5397294	.3555558
	F8.	4135047	.2449428	-1.69	0.091	8935837	.0665742
	F9.	4613096	.2657147	-1.74	0.083	9821008	.059481
	F10.	6488176	.2763185	-2.35	0.019	-1.190392	107243
	F11.	6737534	.2891718	-2.33	0.020	-1.24052	106987
	F12.	710195	.2938893	-2.42	0.016	-1.286207	1341820
	F13.	6733811	.2926073	-2.30	0.021	-1.246881	0998814
	F14.	6891024	.2974604	-2.32	0.021 0.015	-1.272114	1060906
	[1]						
	F15. F16.	7397593 6046277	.3050139 .3127799	-2.43 -1.93	0.053	-1.337576 -1.217665	141943 .0084097

F18.	2412143	.2986678	-0.81	0.419	8265924	.3441638
	1		-0.49			
F19.	1476582	.2988297		0.621	7333535	.4380372
F20.	.1400835	.3133009	0.45	0.655	4739749	.7541419
F21.	.1758731	.3140751	0.56	0.575	4397029	.791449
F22.	.214252	.3231867	0.66	0.507	4191823	.8476862
F23.	.3665076	.3433977	1.07	0.286	3065395	1.039555
	1					
F24.	.4957079	.360947	1.37	0.170	2117352	1.203151
F25.	.4839559	.3663718	1.32	0.187	2341197	1.202032
F26.	.5916974	.3615727	1.64	0.102	1169721	1.300367
F27.	.4647469	.356857	1.30	0.193	23468	1.164174
	.4304474		1.24			
F28.		.3458491		0.213	2474044	1.108299
F29.	.3186042	.3425461	0.93	0.352	3527738	.9899822
F30.	.282719	.3496811	0.81	0.419	4026434	.9680813
F31.	.2272734	.3368142	0.67	0.500	4328703	.8874171
F32.	.0744691	.3289434	0.23	0.821	5702481	.7191862
	.0182027	.3132934		0.954	595841	.6322464
F33.			0.06			
F34.	0797312	.2913393	-0.27	0.784	6507457	.4912833
F35.	0556459	.2860831	-0.19	0.846	6163584	. 5050667
F36.	2721601	.2664515	-1.02	0.307	7943956	.2500753
F37.	1410422	.2623644	-0.54	0.591	6552671	.3731826
F38.	1084543	.2510607	-0.43	0.666	6005243	.3836156
F39.	.1826222	.2496815	0.73	0.465	3067444	.6719889
F40.	.2257937	.2471161	0.91	0.361	2585451	.7101324
F41.	.1803455	.2388026	0.76	0.450	2876989	.64839
F42.	.252917	.2370821	1.07	0.286	2117555	.7175894
F43.	.2810814	.2286969	1.23	0.219	1671563	.729319
	1					
F44.	.2822592	.2293478	1.23	0.218	1672542	.7317726
F45.	.2405543	.2316017	1.04	0.299	2133766	.6944853
F46.	.3791943	.2263498	1.68	0.094	0644432	.8228318
F47.	.2754352	.2261968	1.22	0.223	1679023	.7187728
F48.	.2835059	.2122776	1.34	0.182	1325505	.6995624
г40.	.2033033	.2122//6	1.54	0.102	1323303	.0333024
_						
lrpo						
F1.	-1.035297	.8678237	-1.19	0.233	-2.7362	.6656065
F2.	5091918	1.523481	-0.33	0.738	-3.495159	2.476776
F3.	4777561	2.071499	-0.23	0.818	-4.53782	3.582308
F4.	.0617415	2.335946	0.03	0.979	-4.516629	4.640112
	1					
F5.	-1.510964	2.284877	-0.66	0.508	-5.98924	2.967313
F6.	-2.775944	2.296182	-1.21	0.227	-7.276378	1.72449
F7.	-2.76583	2.304106	-1.20	0.230	-7.281796	1.750135
F8.	-3.386153	2.389143	-1.42	0.156	-8.068787	1.29648
F9.	-4.971245	2.625522	-1.89	0.058	-10.11717	.1746845
F10.	-7.09296	2.746076	-2.58	0.010	-12.47517	-1.710749
	1					
F11.	-8.003618	2.606425	-3.07	0.002	-13.11212	-2.895118
F12.	-7.133534	2.632172	-2.71	0.007	-12.2925	-1.974572
F13.	-9.154084	2.907605	-3.15	0.002	-14.85289	-3.455282
F14.	-10.51889	3.019684	-3.48	0.000	-16.43736	-4.600421
F15.	-8.190792	3.280113	-2.50	0.013	-14.6197	-1.761888
F16.	-6.40707	3.457894	-1.85	0.064	-13.18442	.3702778
	1					
F17.	-2.504367	3.489385	-0.72	0.473	-9.343435	4.334701
F18.	2.028867	3.301231	0.61	0.539	-4.441426	8.49916
F19.	5.18026	3.290029	1.57	0.115	-1.268079	11.6286
F20.	6.402893	3.313162	1.93	0.053	0907844	12.89657
F21.	7.82877	3.316296	2.36	0.018	1.32895	14.32859
F22.	8.529253	3.561709	2.39	0.017	1.548432	15.51007
F23.	9.926737	3.790632	2.62	0.009	2.497234	17.35624
F24.	8.187615	3.849058	2.13	0.033	.6436001	15.73163
F25.	7.562161	4.08725	1.85	0.064	4487005	15.57302
F26.	3.798006	4.172022	0.91	0.363	-4.379007	11.97502
F27.	2.671851	4.074515	0.66	0.512	-5.314053	10.65775
F28.	4.945822	4.134448	1.20	0.232	-3.157547	13.04919
F29.	6.103774	4.296959	1.42	0.155	-2.318111	14.52566
F30.	7.365064	4.406186	1.67	0.095	-1.270902	16.00103
F31.	4.813972	4.421213	1.09	0.276	-3.851447	13.47939
F32.	6.423049	4.246002	1.51	0.130	-1.898962	14.74506
F33.	4.557719	4.075308	1.12	0.263	-3.429738	12.54518
F34.	5.710266	3.864101	1.48	0.139	-1.863233	13.28376
F35.	5.009091	3.683661	1.36	0.174	-2.210753	12.22893
F36.	4.219673	3.542324	1.19	0.234	-2.723155	11.1625
F37.	3.745311	3.318376	1.13	0.259	-2.758587	10.24921
F38.	4.173278	3.350137	1.25	0.213	-2.392871	10.73943
F39.	5.129436	3.267089	1.57	0.116	-1.273941	11.53281
F40.	5.430991	3.274658	1.66	0.097	9872198	11.8492

Julia	uy July	15 10.52.52	2025 Tuge	,			
	F41.	6.453963	3.220705	2.00	0.045	.1414974	12.76643
	F42.	7.098078	3.248848	2.18	0.029	.7304519	13.4657
	F43.	7.469213	3.178055	2.35	0.019	1.24034	13.69809
	F44.	7.73923	3.199261	2.42	0.016	1.468793	14.00967
	F45.	9.558716	3.318485	2.88	0.004	3.054606	16.06283
	F46.	10.88257	3.669217	2.97	0.003	3.691032	18.0741
	F47.	8.530855	3.935616	2.17	0.030	.8171888	16.24452
	F48.	6.254434	3.937757	1.59	0.112	-1.463428	13.9723
ldem	_						
	lpro	2240570	0040007	2 52	0.000	4.422.42	5003737
	F1.	.3218579	.0910807	3.53	0.000	.143343	.5003727
	F2. F3.	.4428703 .3195908	.1334749 .1426911	3.32 2.24	0.001 0.025	.1812642 .0399215	.7044763 .5992602
	F4.	.4915388	.1554505	3.16	0.002	.1868614	.7962162
	F5.	.7269921	.1626585	4.47	0.002	.4081873	1.045797
	F6.	.7564078	.1874509	4.04	0.000	.3890109	1.123805
	F7.	.5879759	.1972382	2.98	0.003	.2013963	.9745556
	F8.	.4602799	.2064895	2.23	0.026	.0555679	.8649919
	F9.	.6524492	.2050842	3.18	0.001	.2504915	1.054407
	F10.	.591629	.2187036	2.71	0.007	.1629777	1.02028
	F11.	.5738532	.2178568	2.63	0.008	.1468617	1.000845
	F12.	.6057503	.2212695	2.74	0.006	.17207	1.039431
	F13.	.4983642	.2038757	2.44	0.015	.098775	.8979533
	F14.	.5570758	.2145951	2.60	0.009	.1364771	.9776745
	F15.	.5056131	.2028804	2.49	0.013	.1079747	.9032514
	F16.	.4177053	.196318	2.13	0.033	.0329292	.8024814
	F17.	.408629	.1966107	2.08	0.038	.0232791	.7939788
	F18.	.5966669	.1871414	3.19	0.001	.2298765	.9634572
	F19.	.58759	.1771672	3.32	0.001	. 2403486	.9348313
	F20.	.5188852	.184892	2.81	0.005	.1565036	.8812668
	F21.	.5649462	.1908402	2.96	0.003	.1909062	.9389862
	F22.	.561033	.1948505	2.88	0.004	.1791331	.9429329
	F23.	.7656009	.1883894	4.06	0.000	.3963644	1.134837
	F24. F25.	.4079868 .2598199	.204855 .186693	1.99 1.39	0.046 0.164	.0064784 1060916	.8094953 .6257313
	F26.	.331356	.1719945	1.93	0.054	0057471	.668459
	F27.	.4525581	.1763741	2.57	0.010	.1068712	.7982451
	F28.	.6538103	.1880163	3.48	0.001	.2853051	1.022316
	F29.	.8910809	.1807428	4.93	0.000	.5368315	1.24533
	F30.	.9407266	.1861336	5.05	0.000	.5759115	1.305542
	F31.	.8617307	.2108947	4.09	0.000	.4483846	1.275077
	F32.	.945135	.1989665	4.75	0.000	.5551678	1.335102
	F33.	.8910511	.217999	4.09	0.000	.4637808	1.318321
	F34.	.9575819	.2260582	4.24	0.000	.514516	1.400648
	F35.	.8644397	.2208256	3.91	0.000	.4316295	1.29725
	F36.	.888287	.2250398	3.95	0.000	.447217	1.329357
	F37.	.7420386	.2448387	3.03	0.002	.2621636	1.221914
	F38.	.7204428	.2654041	2.71	0.007	.2002603	1.240625
	F39.	.7580354	.2554207	2.97	0.003	.2574201	1.258651
	F40.	.6823911	.2442358	2.79	0.005	.2036978	1.161084
	F41.	.6562083	.2312158	2.84	0.005	.2030337	1.109383
	F42.	.950369	.2340493	4.06	0.000	.4916409	1.409097
	F43.	.9629309	.2462152	3.91	0.000	.480358	1.445504
	F44.	.9633353	.2502064	3.85	0.000	.4729397	1.453731
	F45.	1.050868 1.053585	.2512891	4.18	0.000	.5583507	1.543386
	F46. F47.	.8059982	.2576562 .2465543	4.09 3.27	0.000 0.001	.5485877 .3227607	1.558581 1.289236
	F47.	.763417	.2353578	3.24	0.001	.3021242	1.22471
	ldem						
	F1.	1.046875	.0948236	11.04	0.000	.8610236	1.232725
	F2.	1.138593	.123139	9.25	0.000	.8972455	1.379941
	F3.	1.133209	.1377055	8.23	0.000	.8633117	1.403107
	F4.	1.247688	.167295	7.46	0.000	.9197959	1.57558
	F5.	1.44092	.2036789	7.07	0.000	1.041717	1.840124
	F6.	1.392128	.2255071	6.17	0.000	.9501422	1.834114
	F7.	1.429536	.2452196	5.83	0.000	.9489145	1.910158
	F8.	1.47513	.2531021	5.83	0.000	.9790591	1.971201
	F9.	1.355504	.2669248	5.08	0.000	.8323407	1.878667
	F10.	1.235131	.2944097	4.20	0.000	.6580985	1.812164
	F11.	1.214894	.3291087	3.69	0.000	.5698525	1.859935
	F12.	1.028053	.3463392	2.97	0.003	.3492408	1.706866

F13.	1.199871	.3272665	3.67	0.000	.5584406	1.841302
F14.	1.226998	.3312339	3.70	0.000	.5777915	1.876204
F15.	1.103731	.3384474	3.26	0.001	.4403866	1.767076
F16.	1.207987	.3370149	3.58	0.000	. 5474499	1.868524
F17.	1.092354	.3202961	3.41	0.001	.4645856	1.720123
F18.	1.226818	.3231715	3.80	0.000	.5934133	1.860222
F19.	1.205697	.328559	3.67	0.000	.5617332	1.849661
F20.	1.123586	.3234526	3.47	0.001	.4896307	1.757542
F21.	1.279156	.3222445	3.97	0.000	.6475686	1.910744
F22.	1.050508	.3222613	3.26	0.001	.4188873	1.682128
F23.	.9477445	.336092	2.82	0.005	.2890163	1.606473
F24.	.7361169	.340933	2.16	0.031	.0679005	1.404333
F25.	.564407	.3657621	1.54	0.123	1524735	1.281288
F26.	.6102541	.380518	1.60	0.109	1355474	1.356056
F27.	.733565	.3768517	1.95	0.052	0050507	1.472181
F28.	.7551864	.3750475	2.01	0.044	.0201067	1.490266
F29.	.7898558	.3808331	2.07	0.038	.0434366	1.536275
F30.	.8608661	.3791527	2.27	0.023	.1177404	1.603992
F31.	.8479831	.3699377	2.29	0.022	.1229186	1.573048
F32.	1.042335	.3556897	2.93	0.003	.3451959	1.739474
F33.	.9019358	.3379331	2.67	0.008	.2395991	1.564272
F34.	1.038526	.3224536	3.22	0.001	.4065285	1.670523
F35.	.9466069	.3106914	3.05	0.002	.3376629	1.555551
F36.	1.045411	.3085663	3.39	0.001	.4406319	1.650189
F37.	.7412342	.2902894	2.55	0.011	.1722775	1.310191
F38.	.596118	.2927171	2.04	0.042	.022403	1.169833
F39.	.4660992	.2868851	1.62	0.104	0961853	1.028384
F40.	.4273622	.2837572	1.51	0.132	1287916	.9835161
F41.	.4508696	.2755601	1.64	0.102	0892182	.9909575
F42.	.3472458	.2716963	1.28	0.201	1852691	.8797607
F43.	.4315119	.262933	1.64	0.101	0838272	.9468511
F44.	.4113413	.2513728	1.64	0.102	0813403	.9040229
F45.	.3240129	.2517879	1.29	0.198	1694822	.8175081
F46.	.2229858	.2475456	0.90	0.368	2621946	.7081663
F47.	.1982591	.2381288	0.83			.6649829
г4/.			وه. ه	0.405	2684648	.0049829
F48.	.2268915	.2352574	0.96	0.335	2342045	.6879875
				0.335	2342045	.6879875
F48.				0.335	2342045	.6879875
F48. lrpo	.2268915	.2352574	0.96			
F48.			0.96 1.51	0.131	2342045 5029093	.6879875 3.881926
F48. lrpo F1.	.2268915	.2352574	0.96 1.51	0.131		3.881926
F48. lrpo F1. F2.	.2268915 1.689508 3.641443	.2352574 1.118601 1.781668	0.96 1.51 2.04	0.131 0.041	5029093 .1494385	3.881926 7.133447
F48. lrpo F1. F2. F3.	1.689508 3.641443 6.059927	.2352574 1.118601 1.781668 2.397912	0.96 1.51 2.04 2.53	0.131 0.041 0.011	5029093 .1494385 1.360105	3.881926 7.133447 10.75975
F48. lrpo F1. F2.	.2268915 1.689508 3.641443	.2352574 1.118601 1.781668	0.96 1.51 2.04 2.53 2.20	0.131 0.041	5029093 .1494385	3.881926 7.133447
F48. lrpo F1. F2. F3.	1.689508 3.641443 6.059927	.2352574 1.118601 1.781668 2.397912	0.96 1.51 2.04 2.53	0.131 0.041 0.011	5029093 .1494385 1.360105	3.881926 7.133447 10.75975
F48. lrpo F1. F2. F3. F4. F5.	1.689508 3.641443 6.059927 5.830916 4.562135	1.118601 1.781668 2.397912 2.655073 2.777301	0.96 1.51 2.04 2.53 2.20 1.64	0.131 0.041 0.011 0.028 0.100	5029093 .1494385 1.360105 .6270688 8812742	3.881926 7.133447 10.75975 11.03476 10.00554
F48. lrpo F1. F2. F3. F4. F5. F6.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752	0.96 1.51 2.04 2.53 2.20 1.64 1.27	0.131 0.041 0.011 0.028 0.100 0.203	5029093 .1494385 1.360105 .6270688 8812742 -1.960697	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124
F48. lrpo F1. F2. F3. F4. F5. F6. F7.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742	1.51 2.04 2.53 2.20 1.64 1.27	0.131 0.041 0.011 0.028 0.100 0.203 0.169	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218
F48. lrpo F1. F2. F3. F4. F5. F6.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752	0.96 1.51 2.04 2.53 2.20 1.64 1.27	0.131 0.041 0.011 0.028 0.100 0.203	5029093 .1494385 1.360105 .6270688 8812742 -1.960697	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472	1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11.	1.689508 3.641443 6.059927 5.830916 4.562131 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173 0.115	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13.	1.689508 3.641443 6.059927 5.830916 4.5621313 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173 0.115	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173 0.115 0.247	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13.	1.689508 3.641443 6.059927 5.830916 4.5621313 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173 0.115	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173 0.115 0.247 0.534 0.769	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.473 0.115 0.247 0.534 0.769 0.805	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.173 0.115 0.247 0.534 0.769 0.805 0.813	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.473 0.115 0.247 0.534 0.769 0.805	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17. F18.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.16 -0.62 -0.29 0.25 -0.24 -0.37	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173 0.115 0.247 0.534 0.769 0.805 0.813 0.708	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17. F18. F19.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173 0.115 0.247 0.534 0.769 0.805 0.813 0.708	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17. F18. F19. F20.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858 3.431301	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173 0.115 0.247 0.534 0.769 0.805 0.813 0.708	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204 -6.180056	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F10. F11. F12. F13. F14. F15. F16. F17. F18. F19. F20. F21.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858 3.431301 3.508483	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.844 0.173 0.247 0.534 0.769 0.805 0.813 0.708 0.844	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17. F18. F19. F20.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858 3.431301	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173 0.115 0.247 0.534 0.769 0.805 0.813 0.708	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204 -6.180056	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F10. F11. F12. F13. F14. F15. F16. F17. F18. F19. F20. F21. F22.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858 3.431301 3.508483 3.698109	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.844 0.173 0.115 0.247 0.534 0.769 0.805 0.813 0.708 0.814 0.754 0.874	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204 -6.180056 -7.977758 -8.895204	3.881926 7.133447 10.75975 11.03476 10.00554 9.216124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F10. F11. F12. F13. F14. F15. F16. F17. F18. F19. F20. F21. F22. F23.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044 -3.361666	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.649733 3.743501 3.627721 3.567704 3.424858 3.431301 3.508483 3.698109 3.817995	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45 -0.88	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.844 0.173 0.115 0.247 0.534 0.769 0.805 0.813 0.708 0.814 0.754 0.874	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204 -6.180056 -7.977758 -8.895204 -10.8448	3.881926 7.133447 10.75975 11.03476 10.00554 9.216124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116 4.121467
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17. F18. F19. F20. F21. F22. F23. F24.	1.689508 3.641443 6.059927 5.830916 4.5621313 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044 -3.361666 -4.490175	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858 3.431301 3.508483 3.698109 3.817995 4.215046	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45 -0.88 -1.07	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173 0.115 0.247 0.534 0.769 0.805 0.813 0.769 0.844 0.754 0.656 0.379	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204 -6.180056 -7.977758 -8.895204 -10.8448 -12.75151	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116 4.121467 3.771163
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F10. F11. F12. F13. F14. F15. F16. F17. F18. F19. F20. F21. F22. F23.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044 -3.361666	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.649733 3.743501 3.627721 3.567704 3.424858 3.431301 3.508483 3.698109 3.817995	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45 -0.88	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.844 0.173 0.115 0.247 0.534 0.769 0.805 0.813 0.708 0.814 0.754 0.874	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204 -6.180056 -7.977758 -8.895204 -10.8448	3.881926 7.133447 10.75975 11.03476 10.00554 9.216124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116 4.121467
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17. F18. F19. F20. F21. F22. F23. F24. F25.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044 -3.361666 -4.490175 -4.524242	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858 3.431301 3.508483 3.698109 3.817995 4.215046 4.613686	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45 -0.88 -1.07 -0.98	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173 0.115 0.247 0.534 0.769 0.805 0.813 0.708 0.844 0.754 0.656 0.379 0.287 0.327	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204 -6.180056 -7.977758 -8.895204 -10.8448 -12.75151 -13.5669	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116 4.121467 3.771163 4.518416
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17. F18. F20. F21. F22. F23. F24. F25. F26.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044 -3.361666 -4.490175 -4.524242 -3.605187	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858 3.431301 3.508483 3.698109 3.817995 4.215046 4.613686 4.843228	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45 -0.88 -1.07 -0.98 -0.74	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173 0.115 0.247 0.534 0.769 0.805 0.813 0.708 0.844 0.7754 0.656 0.379 0.287 0.327	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.32893 -7.386204 -6.180056 -7.977758 -8.895204 -10.8448 -12.75151 -13.5669 -13.09774	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116 4.121467 3.771163 4.518416 5.887365
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17. F18. F20. F21. F22. F23. F24. F25. F26. F27.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044 -3.361666 -4.490175 -4.524242 -3.605187 -2.689425	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858 3.431301 3.508483 3.698109 3.817995 4.215046 4.613686 4.843228 4.961399	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45 -0.88 -1.07 -0.98 -0.74 -0.54	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173 0.115 0.247 0.534 0.769 0.805 0.813 0.708 0.844 0.775 0.844 0.754 0.656 0.379 0.287 0.287 0.327 0.457	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.32893 -7.386204 -6.180056 -7.977758 -8.895204 -10.8448 -12.75151 -13.5669 -13.09774 -12.41359	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116 4.121467 3.771163 4.518416 5.887365 7.034739
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17. F18. F20. F21. F22. F23. F24. F25. F26.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044 -3.361666 -4.490175 -4.524242 -3.605187	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858 3.431301 3.508483 3.698109 3.817995 4.215046 4.613686 4.843228	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45 -0.88 -1.07 -0.88 -1.07 -0.98 -0.74 -0.54 -1.29	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173 0.115 0.247 0.534 0.769 0.805 0.813 0.708 0.844 0.7754 0.656 0.379 0.287 0.327	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.32893 -7.386204 -6.180056 -7.977758 -8.895204 -10.8448 -12.75151 -13.5669 -13.09774	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116 4.121467 3.771163 4.518416 5.887365
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17. F18. F20. F21. F22. F23. F24. F25. F26. F27. F28.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044 -3.361666 -4.490175 -4.524242 -3.605187 -2.689425 -6.419297	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858 3.431301 3.508483 3.698109 3.817995 4.215046 4.613686 4.843228 4.961399 4.978141	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45 -0.88 -1.07 -0.88 -1.07 -0.98 -0.74 -0.54 -1.29	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.844 0.173 0.115 0.247 0.534 0.769 0.805 0.813 0.708 0.814 0.754 0.656 0.379 0.287 0.327 0.457 0.588 0.197	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.32893 -7.386204 -6.180056 -7.977758 -8.895204 -10.8448 -12.75151 -13.5669 -13.09774 -12.41359 -16.17627	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116 4.121467 3.771163 4.518416 5.887365 7.034739 3.33768
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17. F18. F20. F21. F22. F23. F24. F25. F26. F27. F28. F29.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044 -3.361666 -4.490175 -4.524242 -3.605187 -2.689425 -6.419297 -6.65785	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858 3.431301 3.508483 3.698109 3.817995 4.215046 4.613686 4.843228 4.961399 4.978141 5.05813	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45 -0.45 -0.98 -1.07 -0.98 -0.74 -0.54 -1.29 -1.32	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.815 0.247 0.534 0.769 0.805 0.813 0.708 0.844 0.754 0.656 0.379 0.287 0.327 0.457 0.588 0.197 0.188	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204 -6.180056 -7.977758 -8.895204 -10.8448 -12.75151 -13.5669 -13.09774 -12.41359 -16.17627 -16.5716	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116 4.121467 3.771163 4.518416 5.887365 7.034739 3.33768 3.255902
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17. F18. F19. F20. F21. F22. F23. F24. F25. F26. F27. F28. F29. F30.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044 -3.3616666 -4.490175 -4.524242 -3.665187 -2.689425 -6.419297 -6.65785 -7.081197	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.567704 3.424858 3.431301 3.508483 3.698109 3.817995 4.215046 4.613686 4.843228 4.961399 4.978141 5.05813 4.977401	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45 -0.88 -1.07 -0.98 -0.74 -0.54 -1.29 -1.32 -1.42	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.173 0.115 0.247 0.534 0.769 0.805 0.813 0.708 0.844 0.754 0.656 0.379 0.287 0.327 0.457 0.588 0.197 0.188 0.197	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204 -6.180056 -7.977758 -8.895204 -10.8448 -12.75151 -13.5669 -13.09774 -12.41359 -16.17627 -16.5716 -16.83672	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116 4.121467 3.771163 4.518416 5.887365 7.034739 3.33768 3.255902 2.67433
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17. F18. F20. F21. F22. F23. F24. F25. F26. F27. F28. F29.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044 -3.361666 -4.490175 -4.524242 -3.605187 -2.689425 -6.419297 -6.65785	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858 3.431301 3.508483 3.698109 3.817995 4.215046 4.613686 4.843228 4.961399 4.978141 5.05813	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45 -0.45 -0.98 -1.07 -0.98 -0.74 -0.54 -1.29 -1.32	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.815 0.247 0.534 0.769 0.805 0.813 0.708 0.844 0.754 0.656 0.379 0.287 0.327 0.457 0.588 0.197 0.188	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204 -6.180056 -7.977758 -8.895204 -10.8448 -12.75151 -13.5669 -13.09774 -12.41359 -16.17627 -16.5716	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116 4.121467 3.771163 4.518416 5.887365 7.034739 3.33768 3.255902
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17. F18. F19. F20. F21. F22. F23. F24. F25. F26. F27. F28. F29. F30.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044 -3.3616666 -4.490175 -4.524242 -3.665187 -2.689425 -6.419297 -6.65785 -7.081197	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.567704 3.424858 3.431301 3.508483 3.698109 3.817995 4.215046 4.613686 4.843228 4.961399 4.978141 5.05813 4.977401	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45 -0.88 -1.07 -0.98 -0.74 -0.54 -1.29 -1.32 -1.42	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.173 0.115 0.247 0.534 0.769 0.805 0.813 0.708 0.844 0.754 0.656 0.379 0.287 0.327 0.457 0.588 0.197 0.188 0.197	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204 -6.180056 -7.977758 -8.895204 -10.8448 -12.75151 -13.5669 -13.09774 -12.41359 -16.17627 -16.5716 -16.83672	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116 4.121467 3.771163 4.518416 5.887365 7.034739 3.33768 3.255902 2.67433
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17. F18. F19. F20. F21. F22. F23. F24. F25. F26. F27. F28. F27. F28. F30. F31. F32.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044 -3.361666 -4.490175 -4.524242 -3.605187 -2.689425 -6.419297 -6.65785 -7.081197 -4.754398 -4.723033	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858 3.431301 3.508483 3.698109 3.817995 4.215046 4.613686 4.843228 4.961399 4.978141 5.05813 4.977401 5.073191 4.812308	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45 -0.88 -1.07 -0.98 -0.74 -0.54 -1.29 -1.32 -1.42 -0.98	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.315 0.247 0.534 0.769 0.805 0.813 0.708 0.844 0.754 0.656 0.379 0.287 0.327 0.457 0.588 0.197 0.188 0.197 0.188 0.155 0.349 0.326	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204 -6.180056 -7.977758 -8.895204 -10.8448 -12.75151 -13.5669 -13.09774 -12.41359 -16.17627 -16.5716 -16.83672 -14.69767 -14.15498	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116 4.121467 3.771163 4.518416 5.887365 7.034739 3.33768 3.255902 2.67433 5.188874 4.708917
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F10. F11. F12. F13. F14. F15. F16. F17. F18. F20. F21. F22. F23. F24. F25. F26. F27. F28. F29. F30. F31. F32. F33.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044 -3.361666 -4.490175 -4.524242 -3.605187 -2.689425 -6.419297 -6.65785 -7.081197 -4.754398 -4.723033 -1.843157	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858 3.431301 3.508483 3.698109 3.817995 4.215046 4.613686 4.843228 4.961399 4.978141 5.05813 4.977401 5.073191 4.812308 4.628529	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45 -0.88 -1.07 -0.98 -0.74 -0.98 -1.29 -1.32 -1.42 -0.94 -0.98 -0.40	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.315 0.247 0.534 0.769 0.805 0.813 0.708 0.874 0.754 0.656 0.379 0.287 0.327 0.457 0.588 0.197 0.188 0.197 0.188 0.197 0.188 0.197 0.326 0.690	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204 -6.180056 -7.977758 -8.895204 -10.8448 -12.75151 -13.5669 -13.09774 -12.41359 -16.17627 -16.5716 -16.83672 -14.69767 -14.15498 -10.91491	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116 4.121467 3.771163 4.518416 5.887365 7.034739 3.33768 3.255902 2.67433 5.188874 4.708917 7.228593
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F9. F10. F11. F12. F13. F14. F15. F16. F17. F18. F19. F20. F21. F22. F23. F24. F25. F26. F27. F28. F29. F30. F31. F32. F33. F34.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044 -3.361666 -4.490175 -4.524242 -3.605187 -2.689425 -6.419297 -6.65785 -7.081197 -4.754398 -4.723033 -1.843157 -2.449906	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858 3.431301 3.508483 3.698109 3.817995 4.215046 4.613686 4.843228 4.961399 4.978141 5.05813 4.977401 5.073191 4.812308 4.628529 4.518413	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45 -0.88 -1.07 -0.98 -0.74 -0.98 -0.74 -0.98 -0.74 -0.98 -0.54 -0.98 -0.40 -0.54	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.844 0.173 0.115 0.247 0.534 0.769 0.805 0.813 0.708 0.874 0.754 0.656 0.379 0.287 0.327 0.457 0.588 0.197 0.188 0.195 0.326 0.690 0.588	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204 -6.180056 -7.977758 -8.895204 -10.8448 -12.75151 -13.5669 -13.09774 -12.41359 -16.17627 -16.5716 -16.83672 -14.69767 -14.15498 -10.91491 -11.30583	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116 4.121467 3.771163 4.518416 5.887365 7.034739 3.33768 3.255902 2.67433 5.188874 4.708917 7.228593 6.40602
F48. lrpo F1. F2. F3. F4. F5. F6. F7. F8. F10. F11. F12. F13. F14. F15. F16. F17. F18. F20. F21. F22. F23. F24. F25. F26. F27. F28. F29. F30. F31. F32. F33.	1.689508 3.641443 6.059927 5.830916 4.562135 3.624713 3.630378 4.280426 1.869367 .5613656 -4.080022 -5.24124 -4.077873 -2.267105 -1.118864 .9258585 -8571546 -1.33632 -6736052 .5451716 -1.101258 -1.647044 -3.361666 -4.490175 -4.524242 -3.605187 -2.689425 -6.419297 -6.65785 -7.081197 -4.754398 -4.723033 -1.843157	1.118601 1.781668 2.397912 2.655073 2.777301 2.849752 2.638742 2.748472 2.699248 2.851775 2.99243 3.323472 3.525243 3.649733 3.805283 3.743501 3.627721 3.567704 3.424858 3.431301 3.508483 3.698109 3.817995 4.215046 4.613686 4.843228 4.961399 4.978141 5.05813 4.977401 5.073191 4.812308 4.628529	0.96 1.51 2.04 2.53 2.20 1.64 1.27 1.38 1.56 0.69 0.20 -1.36 -1.58 -1.16 -0.62 -0.29 0.25 -0.24 -0.37 -0.20 0.16 -0.31 -0.45 -0.88 -1.07 -0.98 -0.74 -0.98 -1.29 -1.32 -1.42 -0.94 -0.98 -0.40	0.131 0.041 0.011 0.028 0.100 0.203 0.169 0.119 0.489 0.315 0.247 0.534 0.769 0.805 0.813 0.708 0.874 0.754 0.656 0.379 0.287 0.327 0.457 0.588 0.197 0.188 0.197 0.188 0.197 0.188 0.197 0.326 0.690	5029093 .1494385 1.360105 .6270688 8812742 -1.960697 -1.541462 -1.106481 -3.421062 -5.02801 -9.945077 -11.75513 -10.98722 -9.42045 -8.577083 -6.411269 -7.967358 -8.328893 -7.386204 -6.180056 -7.977758 -8.895204 -10.8448 -12.75151 -13.5669 -13.09774 -12.41359 -16.17627 -16.5716 -16.83672 -14.69767 -14.15498 -10.91491	3.881926 7.133447 10.75975 11.03476 10.00554 9.210124 8.802218 9.667332 7.159796 6.150741 1.785032 1.272647 2.831476 4.88624 6.339354 8.262986 6.253049 5.656252 6.038993 7.270399 5.775242 5.601116 4.121467 3.771163 4.518416 5.887365 7.034739 3.33768 3.255902 2.67433 5.188874 4.708917 7.228593

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F4312.9678 3.73216 -3.47 0.001 -20.2827 -5.65294 F4413.8919 3.3.92009 -3.56 0.000 1.21.57518 -6.28681 F4513.4807 4.006229 -3.36 0.001 -21.35726 -5.62863 F4513.4807 4.006229 -3.36 0.001 -21.35726 -5.62863 F4611.89431 4.132063 -2.88 0.004 -19.99301 -3.79561 F4711.00377 4.566892 -2.41 0.016 -19.95471 -2.65202 F4711.00377 4.566892 -2.41 0.016 -19.95471 -2.65202 F4811.75692 4.622477 -2.54 0.011 -20.81081 -2.63103 1.01679 F4710.004565 .0074946 0.54 0.588 .0106331 .018745 F470.004656 .0074946 0.54 0.588 .0106331 .018745 F47004656 .0074946 0.54 0.588 .0106331 .018745 F4700465 .011656 0.37 0.714 -0.176203 .025720 F570.004532 .0122807 0.20 0.842 -0.026523 .021520 F670.004532 .0122807 0.20 0.842 -0.026523 .021520 F670.004532 .0124804 0.54 0.872 -0.0314825 .0025720 F770.168234 .014443 -0.16 0.872 -0.314825 .00564 F790.168313 .0167993 -1.00 0.316 -0.9653781 .005434 .01584 F790.168313 .0167993 -1.00 0.316 -0.9653781 .005434 .01584 F790.168313 .012554 -0.89 0.375 -0.049332 .018506 F110.0426611 .0162281 -2.63 0.009 0.744677 -0.10834 F110.0426611 .0162281 -2.63 0.009 0.744677 -0.10834 F110.0426611 .0162281 -2.63 0.009 0.744677 -0.10834 F110.1266318 .0140433 -0.88 0.381 -0.0410725 .01574 F110.1266318 .0140433 -0.88 0.381 -0.0410725 .01574 F110.126647 .0132293 -0.90 0.369 0.379306 .013941 F110.126647 .0132293 -0.90 0.369 0.379306 .013941 F110.116667 .0137483 -0.94 0.345 -0.0393906 .013941 F110.116667 .0137483 -0.94 0.345 -0.0393906 .013941 F110.116667 .0137483 -0.94 0.345 -0.0393906 .013941 F110.116667 .013748 -0.94 0.345 -0.0393906 .013941 F110.106667 .0137483 -0.94 0.345 -0.0393906 .013941 F110.106667 .013748 -0.94 0.345 -0.0393906 .013941 F110.106661 .016661 .01666	F42.	-10.7876	3.772677	-2.86	0.004	-18.18191	-3.393288
F4413.89193 3,920996 -3.54 0.000 -21.57518 -6.20863 F4513.4807 4.006229 -3.36 0.001 -21.33276 -5.62863 F4611.89431 4.132063 -2.88 0.004 -19.99301 -3.79561 F4711.00377 -2.54 0.010 -19.95471 -2.05202 F4811.75692 4.622477 -2.54 0.010 -19.95471 -2.05202 F7811.75692 4.622477 -2.54 0.011 -20.81081 -2.631083 Irpo Ippo F10052053 .0060159 0.87 0.3870065858 .016996: F1004056 .0074946 0.54 0.5880166331 .018745: F30046249 .0094164 0.38 0.7000148309 .022808 F50024382 0.110565 0.37 0.7140176203 .025720. F50024382 0.110565 0.37 0.7140176203 .025720. F70168234 0.144433 -0.16 0.8720314825 .025764 .05666 .037 0.7140176203 .025720. F70168234 0.144443 -1.16 0.24404451278 0.011638 .056793 -1.00 0.3160495372 .0116986 .037 0.714 .004767 .016834 .0167933 -1.00 0.3160495372 .016094 .038 .03679 .036 0.3750497372 .016094 .038 .03679 .036 0.3750491332 .018506 .036 .036 0.0090744677 .016834 .0162281 -2.63 0.0090744677 .018844 .0414928 .0164066 -2.51 0.012073406 .00909 .0369 .03750491332 .018506 .036 .036 0.0090744677 .01884 .014783 .014606 -2.51 0.012073406 .00909 .0369 .0375041935 .015679 .01574 .0162281 .00606 .03930410726 .01574 .0162281 .00606 .03930410726 .01574 .0162281 .00606 .03930410726 .01574 .0162281 .00606 .03930410726 .01574 .0162281 .00606 .03930410726 .01574 .0162281 .00606 .03930410726 .01574 .0162281 .00606 .03930410726 .01574 .0162281 .00606 .03930410726 .01574 .0162281 .00606 .03930410726 .01574 .0162281 .00606 .03930410726 .01574 .0162281 .00606 .03930410726 .01574 .0162281 .00606 .03930410726 .01574 .0162281 .00606 .03930410726 .01574 .0162281 .00606 .03930410726 .01574 .0162281 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .00606 .0							
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F46.							
F47. -11.09377 4.566892 -2.41 0.016 -19.95471 -2.05282 F48. -11.75092 4.622477 -2.54 0.011 -20.81081 -2.69103.							
TPO							
	F47.	-11.00377	4.566892	-2.41	0.016	-19.95471	-2.052824
The color of the	F48.	-11.75092	4.622477	-2.54	0.011	-20.81081	-2.691034
The color of the							
F100520530060159	1rpo						
F100520530060159	lpro						
F2004056 .0074946	•	.0052053	.0060159	0.87	0.387	0065858	.0169963
F3.							
F4.							
F50024532 .012887 -0.20 0.842026523 .021616 F60023882 .0148443 -0.16 0.8720314825 .026706 F70168234 .0144413 -1.16 0.2440451278 .01148: F80254675 .015771 -1.61 0.1060553781 F90168313 .0172554 -0.89 0.375 -0.491332 .018506: F100153133 .0172554 -0.89 0.375 -0.491332 .018506: F110426611 .0162281 -2.63 0.0090744677 -0.108544 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281 .016281							
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F70168234 .0144413 -1.16 0.2440451278 .011481 F80254675 .015771 -1.61 0.1060563781 .005443: F90168313 .0167993 -1.000 .0116 .0497572 .016094: F100153133 .0167954 -0.89 0.375 .0491332 .0185061 F110426611 .0162281 -2.63 .0099 .07446770108541 F120412498 .0164066 -2.51 0.012 .073406 .0099031 F130109932 .0156672 -0.70 0.483 .0417004 .0197131 F140126838 .0144843 -0.88 0.381 .0410725 .0157044 F150141398 .0147833 -0.96 0.339 .0431145 .014831 F160129845 .0137483 -0.99 0.345 .0399306 .013961 F170118767 .0132293 -0.90 0.369 .0378056 .013961 F180160467 .0132293 -0.90 0.369 .0378056 .0140525 F1901060467 .0132293 -1.44 0.151 .0440772 .0067795 F1901060467 .0132708 -1.21 .0227 .042057 .009963 F200182938 .0125949 -1.45 0.146 .0429794 .006391 F210067059 .0127548 -0.53 0.599 .0317048 .018293 F220011373 .0141506 -0.08 0.936 .028872 .026597. F230245262 .0145592 -1.68 0.092 .0530618 .0040099 F240104283 .0146919 -0.70 0.485 .0396706 .018814. F250122388 .0146589 0.83 0.404 .016492 .0496969 F260146134 .0148915 0.98 0.326 .0145734 .0438006 F270024358 .0129899 0.19 0.851 .0230239 .0278955 F280024358 .0129899 0.19 0.851 .0230239 .0278955 F29016853 .0137069 1.23 0.219 .0100119 .043711 F300139468 .0145667 0.96 0.338 .0146603 .043099 F330017973 .0154644 -0.11 0.912 .0319837 .0285697 F340046839 .015662 0.70 0.484 .0172201 .0365366 F350047796 .0154924 -0.11 0.912 .0319837 .0285697 F340046839 .015644 -0.99 0.775 .0367568 .0278881 F350047796 .016498 -1.47 0.141 .0655962 .0086744 F37 .0097691 .0147574 .006538 .0066049 .0159654 .0066049 .006504 .0066049 .006504 .0066049 .006504 .0066049 .006504 .0066049 .006504 .0066049 .006504 .0066049 .006504 .0066049 .006504 .0066049 .006504 .0066049 .006504 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006604 .006							
F80.254675 0.15771 -1.61 0.1060563781 0.062431 F90.0168313 .0167993 -1.00 0.3160497572 0.16094* F100.153133 .0172554 -0.89 0.375 -0.0491332 0.18506! F110.0426611 .0162281 -2.63 0.009 .0744677 -0.10854* F120.0412498 .0164066 -2.51 0.012 -0.73406 -0.09093* F130.109932 .0156672 -0.70 0.483 -0.0417004 -0.09903* F140.126838 .0144843 -0.88 0.381 -0.0410725 0.15704* F150.0441398 .0147833 -0.96 0.339 -0.0431145 0.1483* F160.129845 .0137483 -0.94 0.365 -0.379806 0.13961* F170.118767 .0132293 -0.90 0.509 -0.378056 0.13961* F180.186468 .0129739 -1.44 0.151 -0.040772 0.06779* F190.160467 .0132708 -1.121 0.227 -0.042057 0.09963* F200.182938 .0125949 -1.45 0.146 -0.029794 0.06391* F210.067059 .0127548 -0.53 0.599 -0.3170448 .018293* F220.011373 .0141506 -0.08 0.936 -0.28872 0.026597* F230.0245262 .0145592 -1.68 0.092 -0.530618 0.04009* F240.104283 .0149199 -0.70 0.485 -0.396706 0.18814* F250.122388 .0146589 0.83 0.404 -0.164092 0.04909* F260146134 .0148915 0.98 0.326 -0.145734 0.043809* F270024358 .0137069 1.23 0.219 -0.100119 0.04371* F300139468 .0145667 0.96 0.338 0.146633 0.042496* F310160467 .0136662 0.70 0.484 -0.172201 0.036350* F29016853 .0137069 1.23 0.219 -0.100119 0.04371* F3300047796 .0147977 0.32 0.747 -0.0242233 0.33782* F330017073 .0154474 -0.11 0.912 -0.319837 0.228569* F340046839 .016364 -0.29 0.775 -0.0367568 0.07388* F350147507 .0165896 -0.89 0.374 -0.072056 0.07388* F380035346 .0154919 -2.31 0.021 -0.0569562 .008674* F370324267 .016498 -1.47 0.141 -0.565962 .008074* F38003792 .0163459 -2.31 0.021 -0.0530634 .002939 .015364 .029 0.775 .0367568 .027388* F380035346 .015365 -2.38 0.017 -0.072926 .006514* F410.032139 .0154745 -2.08 0.038 -0.060619 .009368* F420.0297801 .0154745 -2.08 0.038 -0.060619 .009368* F430.0342551 .0149231 -2.30 0.022 .0635038 .0050066* F440.0297801 .0154745 -2.08 0.038 -0.0624684 .0018099* F440.0297801 .0154745 -2.08 0.038 -0.0624684 .0018099* F440.0229185 .0064968 3.53 0	F6.	0023882	.0148443	-0.16	0.872	0314825	.026706
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F90168313 .0167993 -1.00 0.3160497572 .0160945 F100153133 .0172554 -0.89 0.375 -0.0491332 .0185061 F110426611 .0162281 -2.63 0.009 -0.0744677 .010854 F120412498 .0164066 -2.51 0.012073406 -0.009093 F130109932 .0156672 -0.70 0.483 -0.417004 .019713 F140126838 .0144843 -0.88 0.381 -0.410725 .015704 F150.141398 .0147833 -0.96 0.339 -0.431145 .014831 F160.129845 .0137483 -0.94 0.345 -0.399306 .013961 F170.118767 .0132293 -0.90 0.369 -0.378056 .014052 F180.0160467 .0132708 -1.21 0.227 -0.42057 .006779 F190.160467 .0132708 -1.21 0.227 -0.42057 .006779 F190.0182938 .0125949 -1.45 0.146 -0.429794 .006391 F210.0067059 .0127548 -0.53 0.599 -0.317048 .018293 F220.011373 .0141506 -0.08 0.936 -0.28872 .026597. F230.245262 .0145552 -1.68 0.092 -0.530618 .0040009 F240.104283 .0140549 -0.70 0.485 -0.396706 .018814. F250122388 .0146589 0.83 0.404016492 .049695 F260146134 .0148915 0.98 0.326 -0.0145734 .043806 F270024358 .0125989 0.19 0.851 -0.230239 .0427895 F280095651 .0136662 0.70 0.484 -0.172201 .036350 F29016853 .0137069 .123 0.219 -0.100119 .043711 F300139468 .0145667 0.96 0.338 -0.0146033 .0424966 F310166489 0.154667 0.97 0.330 -0.152518 .045561 F320047796 .0154797 0.32 0.747 -0.242233 .023378 F330.017973 .0154744 -0.11 0.912 -0.319837 .0256597 F330.042669 .016498 -1.47 0.141 -0.9565962 .0080744 F330.047667 .0165896 -0.89 0.374 -0.0472657 .0367568 .027388 F330.047769 .016349 -2.31 0.021 -0.0697165 .0086614 F330.0446839 .015645 -0.29 0.775 -0.367568 .027388 F330.047796 .016349 -2.31 0.021 -0.0697165 .0086614 F330.042667 .016489 -1.47 0.141 .0.9565962 .0080744 -0.016498 -1.47 0.141 .0.9565962 .0080744 -0.016498 -1.47 0.141 .0.9565962 .008074 F440.0462841 .0156956 -1.98 0.048 -0.066192 .0096514 -0.066548 -0.066498 -1.47 0.067125 .0065145 .0065446 -0.066498 -1.47 0.041 -0.067265 .008674 -0.066548 -0.066488 -0.066498 -1.51 0.032 -0.0636034 .002555 .002631 -0.064 .0000 .00173216 .008651 .008674 -0.066565 .014453 -0.0600 .010	F8.	0254675	.015771	-1.61	0.106	0563781	.0054431
F100153133 .0172554 -0.89 0.3750491332 .018566 F110426611 .0162281 -2.63 0.009 -0744677 -010854 F120412498 .0164066 -2.51 0.012073406 -0099093 F1304109932 .0156672 -0.70 0.483 .0417004 .019713 F140126838 .0144843 -0.88 0.3810410725 .015704 F150141398 .0147833 -0.96 0.3390431145 .01483 F160129845 .0137483 -0.96 0.3390431145 .01483 F160129845 .0137483 -0.96 0.3390378056 .013961 F170118767 .0132293 -0.90 0.59 -0.378056 .013961 F170118767 .0132293 -0.90 0.59 -0.378056 .013961 F190160467 .0132708 -1.21 0.227 -0442677 .006779 F190160467 .0132708 -1.21 0.227 -0422979 .006391 F1900667059 .0127548 -0.53 0.599 -0.3170448 .018293 F120067059 .0127548 -0.53 0.599 -0.3170448 .018293 F120067059 .0145592 -1.68 0.092 -0.530618 .0044099 F120067059 .0145592 -1.68 0.092 -0.530618 .0044099 F120104283 .0149199 -0.70 0.485 -0.396706 .018814 F120104283 .0149199 -0.70 0.485 -0.396706 .018814 F120064659 .0146134 .0148915 0.98 0.326 -0.145734 .043800 F120024358 .0129899 0.19 0.851 -0.230239 .0278957 F13012338 .0137069 1.23 0.219 -0.100119 .0036356 F130139468 .0135662 0.70 0.484 -0.172201 .036356 F130139468 .0145667 0.96 0.338 -0.145693 0.042496 F130159546 .0154627 0.97 0.330 -0.152518 .0043594 F130159546 .0154627 0.97 0.330 -0.152518 .0043594 F130047796 .0147977 0.32 0.747 -0.024233 .033782 F130047796 .0147977 0.32 0.747 -0.024233 .033782 F130047796 .016988 -1.47 0.11 0.912 -0.0319837 .028569 F1300369034 .015595 -2.38 0.017 -0.0672926 .006514 F13033648 .0154657 0.97 0.330 .0152518 .0045361 .0046839 .015595 -2.38 0.017 -0.0672926 .006514 F14032139 .0154745 -2.08 0.03 0.04 -0.0672926 .006514 F14032139 .0155467 .0154591 -1.93 0.044 -0.0669019 .006561 F13033648 .015595 -2.38 0.017 -0.0672926 .006514 F14032139 .0155474 .0154591 -1.93 0.044 -0.0660619 .006561 .006561 .006561 .006561 .006561 .006561 .006561 .006561 .006561 .006561 .006561 .006561 .006561 .006561 .006561 .006561 .006561 .006561 .006561 .006561 .006561 .006561 .							
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F120412498 .0164066 -2.51 0.012073406009093; F130109932 .0156672 -0.70 0.4830417004 .019713; F140126838 .0144843 -0.88 0.3810410725 .015704; F150141398 .0147833 -0.96 0.3390431145 .01483; F160129845 .0137483 -0.96 0.3390431145 .01483; F170118767 .0132293 -0.90 0.3690378056 .014052; F180186488 .0129739 -1.44 0.1510440772 .006779; F190160467 .0132708 -1.21 0.227042057 .009993; F200182938 .0125949 -1.45 0.1460429794 .006391; F210067069 .0127548 -0.53 0.5990317048 .018293; F220011373 .0141506 -0.08 0.936028872 .026597. F230245262 .0145592 -1.68 0.0920530618 .004009; F240164283 .0149199 -0.70 0.4850396706 .01881; F25. 0122388 .0129899 0.19 0.8510230239 .027895; F260146134 .0148915 0.98 0.3260145734 .043806; F270024358 .0129899 0.19 0.8510230239 .027895; F280095551 .0136662 0.70 0.4840172201 .036350; F29016853 .0137069 1.23 0.2190100119 .04371; F300139468 .0145627 0.97 0.3300152518 .045361; F310150546 .0154627 0.97 0.3300152518 .045361; F320047796 .0147977 0.32 0.7470242233 .03386; F330017073 .0154474 -0.11 0.9120319837 .028569; F340046839 .016364 -0.29 0.7750367568 .027388; F350147507 .0165896 -0.89 0.3740472657 .017648; F370362364 .0153913 -1.98 0.04706670160065641; F380365346 .0153913 -1.98 0.0470679165005641; F390365346 .0153913 -1.98 0.0470679160065641; F300369034 .015595 -2.38 0.0170672926 .006514; F41032139 .0154745 -2.08 0.0380624684001889; F420274242 .0181836 -1.51 0.1320633634 .002293; F43036447 .018586 -1.99 0.0420659066 .006541; F440422647 .0181548 -1.25 0.000 .0077961 .004389; F450373983 .0153081 -2.16 0.0310779961 .004397; F460274242 .0181836 -1.51 0.1320633634 .002293; F470226437 .018586 -1.98 0.000 .00177961 .054391; F480361475 .0093631 3.86 0.000 .00177961 .054391; F490361475 .0093631 3.86 0.000 .00177961 .054391; F50482406 .016917 2.85 0.000 .0312783							
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F15.							
F16.	F14.	0126838	.0144843			0410725	.0157049
F170.0118767 .0132293 -0.90 0.3690378056 .014052; F180.0186488 .0129739 -1.44 0.151 .0440772 .006779; F190.160467 .0132708 -1.21 0.227 -042057 .009963; F200.0182938 .0125949 -1.45 0.1460429794 .006391; F210.067059 .0127548 -0.53 0.599 -0.0317048 .008391; F220.011373 .0141506 -0.08 0.936028872 .026597 .0245262 .0145592 -1.68 0.092 -0530618 .004009; F240.014283 .0149199 -0.70 0.485 -0.0396706 .018814; F250.122388 .0146589 0.83 0.404016492 .040969; F260146134 .0148915 0.98 0.3260145734 .043806; F270024358 .0129899 0.19 0.8510230239 .07895; F280095651 .0136662 0.70 0.4840172201 .035367 .01806 .0154667 0.96 0.3380146033 .042966; F310150946 .0154667 0.96 0.3380146033 .042966; F310150946 .0154667 0.97 0.3300152518 .045361; F320047796 .0147977 0.32 0.7470242233 .033782; F330.017073 .0154474 -0.11 0.912 .0319837 .028569; F340046839 .0165896 -0.89 0.3740472657 .017764; F360.024567 .016498 -1.47 0.1410565962 .008074; F370.03259 .0163459 -2.31 0.0210697165 .0056066; F380.035946 .0153913 -1.98 0.047060701000368; F390.0342551 .0149231 -2.30 0.0220635038 .0056066; F400.032139 .0154745 -2.08 0.0380624684001809; F410.032139 .0154745 -2.08 0.0380624684001809; F420.0297801 .0154501 -1.93 0.05540660619 .006514; F430.032139 .0154745 -2.08 0.0380624684001809; F440.0226437 .0181846 -1.51 0.0310677132160063715; F450.032139 .0154745 -2.08 0.0380624684001809; F470.0226437 .0181548 -1.25 0.2120535038 .0069606; F480.032468 .018568 -1.98 0.0480660619 .006347; F480.032139 .0154745 -2.08 0.031067713216003375; F480.032189 .0154696 -1.98 0.0480660619 .006501; F490.032139 .0154745 -2.08 0.031067713216003375; F480.032148 .0168765 -1.98 0.0480660619 .006501; F490.032148 .0168765 -1.98 0.0480660619 .006501; F490.032148 .0168765 -1.98 0.0480660619 .006501; F590.066666 .014453 4.22 0.000 .0295559 .080337; F490.056666 .014453 4.22 0	F15.	0141398	.0147833	-0.96	0.339	0431145	.014835
F180186488 .0129739 -1.44 0.1510440772 .006779; F190160467 .0132708 -1.21 0.227042057 .009963; F200182938 .0125949 -1.45 0.1460429794 .006391; F210067059 .0127548 -0.53 0.5990317048 .018293; F220011373 .0141506 -0.08 0.936028872 .026597. F230245262 .0145592 -1.68 0.0920530618 .004409; F240104283 .0149199 -0.70 0.4850396706 .018814; F250122388 .0146589 0.83 0.404016492 .040969; F260146134 .0148915 0.98 0.3260145734 .043806; F2700224388 .0129899 0.19 0.8510230239 .027895; F280095651 .0136662 0.70 0.484 .0172201 .04371; F300139468 .014567 0.96 0.3380146033 .042496; F310150546 .0154627 0.97 0.3300152518 .043561; F320047796 .0147977 0.32 0.7470242233 .033782; F330017073 .0156896 -0.89 0.3740472657 .017646; F340046839 .016364 -0.29 0.7750367568 .027388; F350147507 .0165896 -0.89 0.3740472657 .017646; F3803242607 .016498 -1.47 0.1410565962 .008074; F3803455346 .0153913 -1.98 0.04706097160096014; F390342551 .0149231 -2.30 0.02206350380056061; F400369034 .015505 -2.38 0.0170672926006514; F41032139 .0154745 -2.08 0.0380624684001809; F420297801 .0154501 -1.93 0.0540600619 .000501; F430342637 .015836 -1.98 0.047067926006514; F440462841 .0170157 -2.72 0.0070796343012933; F450373933 .0173081 -2.16 0.031067306 .00337; F4604226437 .0181548 -1.25 0.2120633634 .002315; F4704226437 .0181548 -1.25 0.2120636034 .002315; F480318031 .0185742 -1.71 0.08706682078 .004601	F16.	0129845	.0137483	-0.94	0.345	0399306	.0139617
F180186488 .0129739 -1.44 0.1510440772 .006779; F190160467 .0132708 -1.21 0.227042057 .009963; F200182938 .0125949 -1.45 0.1460429794 .006391; F210067059 .0127548 -0.53 0.5990317048 .018293; F220011373 .0141506 -0.08 0.936028872 .026597. F230245262 .0145592 -1.68 0.0920530618 .004409; F240104283 .0149199 -0.70 0.4850396706 .018814; F250122388 .0146589 0.83 0.404016492 .040969; F260146134 .0148915 0.98 0.3260145734 .043806; F2700224388 .0129899 0.19 0.8510230239 .027895; F280095651 .0136662 0.70 0.484 .0172201 .04371; F300139468 .014567 0.96 0.3380146033 .042496; F310150546 .0154627 0.97 0.3300152518 .043561; F320047796 .0147977 0.32 0.7470242233 .033782; F330017073 .0156896 -0.89 0.3740472657 .017646; F340046839 .016364 -0.29 0.7750367568 .027388; F350147507 .0165896 -0.89 0.3740472657 .017646; F3803242607 .016498 -1.47 0.1410565962 .008074; F3803455346 .0153913 -1.98 0.04706097160096014; F390342551 .0149231 -2.30 0.02206350380056061; F400369034 .015505 -2.38 0.0170672926006514; F41032139 .0154745 -2.08 0.0380624684001809; F420297801 .0154501 -1.93 0.0540600619 .000501; F430342637 .015836 -1.98 0.047067926006514; F440462841 .0170157 -2.72 0.0070796343012933; F450373933 .0173081 -2.16 0.031067306 .00337; F4604226437 .0181548 -1.25 0.2120633634 .002315; F4704226437 .0181548 -1.25 0.2120636034 .002315; F480318031 .0185742 -1.71 0.08706682078 .004601	F17.	0118767	.0132293	-0.90	0.369	0378056	.0140522
F190160467 .0132708 -1.21 0.227042057 .009963: F200182938 .0125949 -1.45 0.146 .0425794 .006393! F210067059 .0127548 -0.53 0.5990317048 .018293: F220011373 .0141506 -0.08 0.936028872 .0265974 F230245262 .0145592 -1.68 0.092 .0530618 .004009: F240104283 .0149199 -0.70 0.485 -0.0396706 .018814: F250122388 .0146589 0.83 0.404016492 .040969: F260146134 .0148915 0.98 0.3260145734 .043806: F270024358 .0129899 0.19 0.8510230239 .0278995: F280095651 .0136662 0.70 0.4840172201 .036350: F29016853 .0137069 1.23 0.2190100119 .04371: F300139468 .0145667 0.96 0.338 .0146033 .042496: F310150546 .0154627 0.97 0.3300152518 .045361 F320047796 .0147977 0.32 0.7470242233 .033782: F330017073 .0154474 -0.11 0.912 .0319837 .028569: F340046839 .016364 -0.29 0.7750367568 .027388; F350147507 .0163496 -0.89 0.3740472657 .017764: F360242607 .016498 -1.47 0.1410565962 .008074; F370376792 .0163459 -2.31 0.0210697165 .0055614 F380365346 .0153913 -1.98 0.047060701000368: F390342551 .0149231 -2.30 0.0220635038006306: F400369034 .015505 -2.38 0.01706729260065141 F41032139 .0154745 -2.08 0.0380624684001839; F440462841 .0170157 -2.72 0.0070796343006361 F450373983 .0157455 -2.08 0.0380624684001839; F460274242 .0181836 -1.51 0.1320630634 .008315; F470462841 .0170157 -2.72 0.0070796343002399; F4803318031 .0185742 -1.71 0.0870692559 .0080737; F480318031 .0185742 -1.71 0.0870692559 .0080737; F490462647 .0164968 3.53 0.000 .0101851 .035551; F400361475 .0093631 3.86 0.000 .0177961 .054498; F5104226437 .0181548 -1.25 0.212 .05582265 .0123939; F440462841 .0170157 -2.72 0.0007 .0796343 .009367; F450373983 .0173081 -2.16 0.000 .0101851 .035551; F520361475 .0093631 3.86 0.000 .0101851 .0355519; F530482406 .016917 2.85 0.004 .0150839 .081397; F540596056 .014453 4.12 0.000 .0295559 .080737; F550482406 .016917 2.85 0.004 .0150839 .0							
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F23.							
F24. 0104283 .0149199 -0.70 0.485 0396706 .018814: F25. .0122388 .0146589 0.83 0.404 016492 .040969: F26. .0146134 .0148915 0.98 0.326 0145734 .043806: F27. .0024358 .0129899 0.19 0.851 0230239 .027895: F28. .0095651 .0136662 0.70 0.484 0172201 .036350: F29. .016853 .0137069 1.23 0.219 0100119 .04371: F30. .0139468 .0145667 0.96 0.338 0146033 .042496: F31. .0150546 .0154627 0.97 0.330 0152518 .04336: F32. .0047796 .0147977 0.32 0.747 0242233 .033782: F33. 0147507 .0165896 -0.89 0.374 0472657 .017764 F36. 0242607 .016498 -1.47 0.141							
F25. .0122388 .0146589 0.83 0.404 016492 .0409699 F26. .0146134 .0148915 0.98 0.326 0145734 .043800 F27. .0024358 .0129899 0.19 0.851 0230239 .027895 F28. .0095651 .0136662 0.70 0.484 0172201 .036356 F29. .016853 .0137069 1.23 0.219 0100119 .043718 F30. .0139468 .0145667 0.96 0.338 0146033 .042361 F31. .0150546 .0154627 0.97 0.330 0152518 .045361 F32. .0047796 .0154474 -0.11 0.912 .0319837 .0285692 F33. 0017073 .015474 -0.11 0.912 .0319837 .0285692 F34. 0046839 .016345 -0.29 0.775 .0367568 .027388 F35. 0147507 .0163459 -2.31 0.021 .	F23.	0245262		-1.68			.0040093
F26. .0146134 .0148915 0.98 0.326 0145734 .043806 F27. .0024358 .0129899 0.19 0.851 0230239 .0278955 F28. .0095651 .0136662 0.70 0.484 0172201 .0363505 F29. .016883 .0137069 1.23 0.219 0100119 .043711 F30. .0139468 .0145667 0.96 0.338 0146033 .0424963 F31. .0150546 .0154627 0.97 0.330 0152518 .045361 F32. .0047796 .0147977 0.32 0.747 0242233 .0337821 F33. 00167073 .0154474 -0.11 0.912 0319837 .0285692 F34. 0046839 .016384 -0.29 0.775 0367568 .0273888 F35. 0147507 .0165896 -0.89 0.374 0472657 .0177641 F34. 0376792 .0164989 -1.47 0.041	F24.	0104283	.0149199	-0.70	0.485	0396706	.0188141
F27.	F25.	.0122388	.0146589	0.83	0.404	016492	.0409697
F27.	F26.	.0146134	.0148915	0.98	0.326	0145734	.0438002
F28.		.0024358	.0129899	0.19	0.851	0230239	.0278955
F29.		1					
F30.							
F31.							
F32.							
F330017073 .0154474 -0.11 0.9120319837 .028569: F340046839 .016364 -0.29 0.7750367568 .027388! F350147507 .0165896 -0.89 0.3740472657 .017764: F360242607 .016498 -1.47 0.1410565962 .008074! F370376792 .0163459 -2.31 0.0210697165005641! F380342551 .0149231 -2.30 0.0220635038005006: F400369034 .015505 -2.38 0.0170672926006514: F41032139 .0154745 -2.08 0.0380624684001809! F420297801 .0154501 -1.93 0.0540600619 .000501! F430334148 .0168765 -1.98 0.04806649220003374 F440462841 .0170157 -2.72 0.0070796343012933! F450373983 .0173081 -2.16 0.031071321600347! F460274242 .0181836 -1.51 0.1320630634 .008215: F470226437 .0181548 -1.25 0.2120582265 .012939: F480318031 .0185742 -1.71 0.0870682078 .0046016 Idem F10229185 .0064968 3.53 0.000 .0101851 .0356519 F30551467 .0130568 4.22 0.000 .0295559 .0807376 F40596056 .014453 4.12 0.000 .0312783 .0879325 F50482406 .016917 2.85 0.004 .0150839 .0813973 F60261639 .0194368 1.35 0.1780119316 .0664259							
F340046839 .016364 -0.29 0.7750367568 .0273889 F350147507 .0165896 -0.89 0.3740472657 .0177642 F360242607 .016498 -1.47 0.1410565962 .0080744 F370376792 .0163459 -2.31 0.02106971650056419 F380305346 .0153913 -1.98 0.0470607010003681 F390342551 .0149231 -2.30 0.02206350380050066 F400369034 .015505 -2.38 0.01706729260065141 F41032139 .0154745 -2.08 0.0380624684001809 F420297801 .0154501 -1.93 0.0540600619 .0005016 F430334148 .0168765 -1.98 0.04806649220003374 F440462841 .0170157 -2.72 0.00707963430129339 F450373983 .0173081 -2.16 0.0310713216003479 F460274242 .0181836 -1.51 0.1320630634 .008215 F470226437 .0181548 -1.25 0.2120582265 .0129399 F480318031 .0185742 -1.71 0.0870682078 .0046016							
F35.	F33.	0017073	.0154474	-0.11	0.912	0319837	.0285691
F36.	F34.	0046839	.016364	-0.29	0.775	0367568	.0273889
F36.	F35.	0147507	.0165896	-0.89	0.374	0472657	.0177642
F37.		0242607	.016498	-1.47	0.141	0565962	.0080748
F38.		I					
F39.							
F40. 0369034 .015505 -2.38 0.017 0672926 0065143 F41. 032139 .0154745 -2.08 0.038 0624684 0018096 F42. 0297801 .0154501 -1.93 0.054 0600619 .0005016 F43. 0334148 .0168765 -1.98 0.048 0664922 000337 F44. 0462841 .0170157 -2.72 0.007 0796343 012933 F45. 0373983 .0173081 -2.16 0.031 0713216 00347 F46. 0274242 .0181836 -1.51 0.132 0630634 .008215 F47. 0226437 .0181548 -1.25 0.212 0582265 .0129395 F48. 0318031 .0185742 -1.71 0.087 0682078 .0046016 Idem F1. .0229185 .0064968 3.53 0.000 .0101851 .0356519 F2. .0361475 .0093631 3.86 0.000 .0177961 .054498							
F41. 032139 .0154745 -2.08 0.038 0624684 0018096 F42. 0297801 .0154501 -1.93 0.054 0600619 .0005016 F43. 0334148 .0168765 -1.98 0.048 0664922 000337 F44. 0462841 .0170157 -2.72 0.007 0796343 0129339 F45. 0373983 .0173081 -2.16 0.031 0713216 003479 F46. 0274242 .0181836 -1.51 0.132 0630634 .008215 F47. 0226437 .0181548 -1.25 0.212 0582265 .012939 F48. 0318031 .0185742 -1.71 0.087 0682078 .0046016 Idem F1. .0229185 .0064968 3.53 0.000 .0101851 .0356515 F2. .0361475 .0093631 3.86 0.000 .0177961 .054498 F3. .0551467 .0130568 4.22 0.000 .0312783 .087376 <t< th=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
F42. 0297801 .0154501 -1.93 0.054 0600619 .0005016 F43. 0334148 .0168765 -1.98 0.048 0664922 0003374 F44. 0462841 .0170157 -2.72 0.007 0796343 0129339 F45. 0373983 .0173081 -2.16 0.031 0713216 003479 F46. 0274242 .0181836 -1.51 0.132 0630634 .008215 F47. 0226437 .0181548 -1.25 0.212 0582265 .012939 F48. 0318031 .0185742 -1.71 0.087 0682078 .0046016 Idem F1. .0229185 .0064968 3.53 0.000 .0101851 .035651 F2. .0361475 .0093631 3.86 0.000 .0177961 .054498 F3. .0551467 .0130568 4.22 0.000 .0312783 .0879329 F4. .0596056 .014453 4.12 0.000 .0312783 .0879329 F5							
F43. 0334148 .0168765 -1.98 0.048 0664922 0003374 F44. 0462841 .0170157 -2.72 0.007 0796343 0129339 F45. 0373983 .0173081 -2.16 0.031 0713216 003479 F46. 0274242 .0181836 -1.51 0.132 0630634 .008215 F47. 0226437 .0181548 -1.25 0.212 0582265 .012939 F48. 0318031 .0185742 -1.71 0.087 0682078 .0046016 Idem F1. .0229185 .0064968 3.53 0.000 .0101851 .0356519 F2. .0361475 .0093631 3.86 0.000 .0177961 .054498 F3. .0551467 .0130568 4.22 0.000 .0312783 .0879329 F4. .0596056 .014453 4.12 0.000 .0312783 .0879329 F5. .0482406 .016917 2.85 0.004 .0150839 .081397 F6.							
F44. 0462841 .0170157 -2.72 0.007 0796343 0129339 F45. 0373983 .0173081 -2.16 0.031 0713216 003479 F46. 0274242 .0181836 -1.51 0.132 0630634 .008215 F47. 0226437 .0181548 -1.25 0.212 0582265 .0129399 F48. 0318031 .0185742 -1.71 0.087 0682078 .0046016 Idem F1. .0229185 .0064968 3.53 0.000 .0101851 .0356519 F2. .0361475 .0093631 3.86 0.000 .0177961 .054498 F3. .0551467 .0130568 4.22 0.000 .0312783 .0879329 F4. .0596056 .014453 4.12 0.000 .0312783 .0879329 F5. .0482406 .016917 2.85 0.004 .0150839 .081397 F6. .0261639 .0194368 1.35 0.178 0119316 .0642593	F42.	0297801	.0154501	-1.93	0.054	0600619	.0005016
F45.	F43.	0334148	.0168765	-1.98	0.048	0664922	0003374
F45.	F44.	0462841	.0170157	-2.72	0.007	0796343	0129339
F46. 0274242 .0181836 -1.51 0.132 0630634 .0082155 F47. 0226437 .0181548 -1.25 0.212 0582265 .0129395 F48. 0318031 .0185742 -1.71 0.087 0682078 .0046016 Idem F1. .0229185 .0064968 3.53 0.000 .0101851 .0356519 F2. .0361475 .0093631 3.86 0.000 .0177961 .0544986 F3. .0551467 .0130568 4.22 0.000 .0295559 .0807376 F4. .0596056 .014453 4.12 0.000 .0312783 .0879329 F5. .0482406 .016917 2.85 0.004 .0150839 .0813973 F6. .0261639 .0194368 1.35 0.178 0119316 .0642593	F45.	0373983	.0173081	-2.16	0.031	0713216	003475
F470226437 .0181548 -1.25 0.2120582265 .0129393 F480318031 .0185742 -1.71 0.0870682078 .0046010 Idem F10229185 .0064968 3.53 0.000 .0101851 .0356513 F20361475 .0093631 3.86 0.000 .0177961 .0544980 F30551467 .0130568 4.22 0.000 .0295559 .0807370 F40596056 .014453 4.12 0.000 .0312783 .0879320 F50482406 .016917 2.85 0.004 .0150839 .0813973 F60261639 .0194368 1.35 0.1780119316 .0642593							
F48. 0318031 .0185742 -1.71 0.087 0682078 .0046016 Idem F1. .0229185 .0064968 3.53 0.000 .0101851 .0356519 F2. .0361475 .0093631 3.86 0.000 .0177961 .054498 F3. .0551467 .0130568 4.22 0.000 .0295559 .0807376 F4. .0596056 .014453 4.12 0.000 .0312783 .0879329 F5. .0482406 .016917 2.85 0.004 .0150839 .081397 F6. .0261639 .0194368 1.35 0.178 0119316 .0642593							
1dem F1. .0229185 .0064968 3.53 0.000 .0101851 .0356519 F2. .0361475 .0093631 3.86 0.000 .0177961 .0544988 F3. .0551467 .0130568 4.22 0.000 .0295559 .0807370 F4. .0596056 .014453 4.12 0.000 .0312783 .0879329 F5. .0482406 .016917 2.85 0.004 .0150839 .0813973 F6. .0261639 .0194368 1.35 0.178 0119316 .0642593							
F1. .0229185 .0064968 3.53 0.000 .0101851 .0356519 F2. .0361475 .0093631 3.86 0.000 .0177961 .054498 F3. .0551467 .0130568 4.22 0.000 .0295559 .0807370 F4. .0596056 .014453 4.12 0.000 .0312783 .0879329 F5. .0482406 .016917 2.85 0.004 .0150839 .0813973 F6. .0261639 .0194368 1.35 0.178 0119316 .0642593	F48.	0318031	.0185/42	-1./1	0.08/	0682078	.0046016
F1. .0229185 .0064968 3.53 0.000 .0101851 .0356519 F2. .0361475 .0093631 3.86 0.000 .0177961 .054498 F3. .0551467 .0130568 4.22 0.000 .0295559 .0807370 F4. .0596056 .014453 4.12 0.000 .0312783 .0879329 F5. .0482406 .016917 2.85 0.004 .0150839 .0813973 F6. .0261639 .0194368 1.35 0.178 0119316 .0642593							
F2. .0361475 .0093631 3.86 0.000 .0177961 .054498 F3. .0551467 .0130568 4.22 0.000 .0295559 .0807370 F4. .0596056 .014453 4.12 0.000 .0312783 .0879329 F5. .0482406 .016917 2.85 0.004 .0150839 .0813973 F6. .0261639 .0194368 1.35 0.178 0119316 .0642593	ldem						
F3. .0551467 .0130568 4.22 0.000 .0295559 .0807376 F4. .0596056 .014453 4.12 0.000 .0312783 .0879329 F5. .0482406 .016917 2.85 0.004 .0150839 .0813973 F6. .0261639 .0194368 1.35 0.178 0119316 .0642593	F1.	.0229185	.0064968	3.53	0.000	.0101851	.0356519
F3. .0551467 .0130568 4.22 0.000 .0295559 .0807376 F4. .0596056 .014453 4.12 0.000 .0312783 .0879329 F5. .0482406 .016917 2.85 0.004 .0150839 .0813973 F6. .0261639 .0194368 1.35 0.178 0119316 .0642593	F2.	.0361475	.0093631	3.86	0.000	.0177961	.0544988
F4. .0596056 .014453 4.12 0.000 .0312783 .0879329 F5. .0482406 .016917 2.85 0.004 .0150839 .0813973 F6. .0261639 .0194368 1.35 0.178 0119316 .0642593							.0807376
F50482406 .016917 2.85 0.004 .0150839 .0813973 F60261639 .0194368 1.35 0.1780119316 .0642593							
F60261639 .0194368 1.35 0.1780119316 .064259							
.055174! 17. دورروی در ۱۳۰۶ ۱۳۰۶ دورروی دورروی ۱۰/۰							
	F/.	.015//03	.0201046	0.78	0.433	0236339	.0551/45

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F8.	0062569	.0211992	-0.30	0.768	0478065	.0352927
F9.	0115381	.0225068	-0.51	0.608	0556506	.0325744
F10.	016903	.0229836	-0.74	0.462	06195	.028144
F11.	0174367	.0225497	-0.77	0.439	0616332	.0267598
F12.	0183244	.0228272	-0.80	0.422	0630648	.0264161
F13.	0169214	.0222881	-0.76	0.448	0606052	.0267624
F14.	0166759	.0222032	-0.75	0.453	0601934	.0268416
F15. F16.	0270606 0216806	.0220921 .0236303	-1.22 -0.92	0.221 0.359	0703603 0679951	.0162392 .0246339
F17.	0207023	.0233685	-0.89	0.376	0665037	.0250991
F18.	0053528	.0228147	-0.23	0.815	0500688	.0393633
F19.	.0045592	.0232285	0.20	0.844	0409679	.0500863
F20.	.0215173	.0238017	0.90	0.366	0251331	.0681678
F21.	.0312246	.0240958	1.30	0.195	0160024	.0784516
F22.	.0535299	.025507	2.10	0.036	.0035371	.1035228
F23.	.0643739	.0262751	2.45	0.014	.0128756	.1158722
F24. F25.	.0716954 .066037	.0279064 .0277087	2.57	0.010	.0169998 .0117289	.126391 .1203451
F25. F26.	.0680486	.0277087	2.38 2.49	0.017 0.013	.0144902	.1203431
F27.	.0481204	.027024	1.78	0.015	0048456	.1010864
F28.	.0623984	.0269494	2.32	0.021	.0095784	.1152183
F29.	.0465302	.0268878	1.73	0.084	0061688	.0992292
F30.	.0518982	.0265643	1.95	0.051	0001668	.1039632
F31.	.0454896	.0248521	1.83	0.067	0032196	.0941987
F32.	.0300406	.0246851	1.22	0.224	0183414	.0784226
F33.	.0139453	.0237568	0.59	0.557	0326171	.0605077
F34.	.0034439	.0226141	0.15	0.879	0408789	.0477667
F35. F36.	0152319 0312678	.0217978 .0215412	-0.70 -1.45	0.485 0.147	0579549 0734877	.027491 .0109521
F37.	0473031	.0208319	-2.27	0.023	0881328	0064734
F38.	052007	.0200182	-2.60	0.009	091242	012772
F39.	0499729	.0190719	-2.62	0.009	0873531	0125926
F40.	0595644	.0197442	-3.02	0.003	0982623	0208665
F41.	0512516	.0188916	-2.71	0.007	0882784	0142248
F42.	0464976	.0185218	-2.51	0.012	0827996	0101955
F43.	0426282	.0176357	-2.42	0.016	0771935	0080628
F44. F45.	0344794 0199213	.0174984 .0173862	-1.97 -1.15	0.049 0.252	0687755 0539977	0001832 .014155
F46.	0172028	.0173862	-1.15	0.232	049061	.0146553
F47.	0034282	.0163909	-0.21	0.834	0355538	.0286973
F48.	0064113	.0160682	-0.40	0.690	0379043	.0250818
lrpo						
F1.	1.19312	.0777059	15.35	0.000	1.040819	1.345421
F2.	1.317329	.1244779	10.58	0.000	1.073356	1.561301
F3. F4.	1.127359 1.008175	.1583148 .179093	7.12 5.63	0.000 0.000	.8170676 .6571588	1.43765 1.35919
F5.	.8812843	.1894935	4.65	0.000	.5098839	1.252685
F6.	.5853649	.1862204	3.14	0.002	.2203796	.9503502
F7.	.5044248	.1822082	2.77	0.006	.1473032	.8615463
F8.	.4956237	.1812766	2.73	0.006	.1403282	.8509192
F9.	.4096491	.1752823	2.34	0.019	.066102	.7531961
F10.	.3479601	.1612621	2.16	0.031	.0318921	.664028
F11.	.3396816	.1557056	2.18	0.029	.0345041	.644859
F12. F13.	.5161203 .4504903	.179377 .2185308	2.88 2.06	0.004 0.039	.1645478 .0221778	.8676929 .8788028
F13.	.3440796	.2426065	1.42	0.156	1314205	.8195796
F15.	.1548365	.2712285	0.57	0.568	3767616	.6864346
F16.	.1460826	. 2623	0.56	0.578	3680159	.6601811
F17.	.1198075	.2663839	0.45	0.653	4022953	.6419103
F18.	.2330533	.2465494	0.95	0.345	2501748	.7162813
F19.	.3908747	.2324778	1.68	0.093	0647735	.8465229
F20.	.5157365	.2304365	2.24	0.025	.0640893	.9673837
F21. F22.	.8269299 .9695149	.2208634 .2320409	3.74 4.18	0.000 0.000	.3940457 .5147231	1.259814 1.424307
F22.	.9895149	.2626151	4.18 3.73	0.000	.4660788	1.424307
F24.	.7187573	.2797182	2.57	0.010	.1705197	1.266995
F25.	.7501919	.3052282	2.46	0.014	.1519556	1.348428
F26.	.4260231	.3114455	1.37	0.171	1843989	1.036445
F27.	.3907294	.3049394	1.28	0.200	2069409	.9883996
F28.	.2681762	.3059735	0.88	0.381	3315207	.8678732
F29.	.3143758	.3122043	1.01	0.314	2975334	.9262851
F30.	.419161	.3219842	1.30	0.193	2119163	1.050238

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F31.	.3174228	.3335019	0.95	0.341	3362289	.9710744
F32.	.2915537	.33253	0.88	0.341	3601931	.9433006
	1					
F33.	.3308172	.3342383	0.99	0.322	3242779	.9859123
F34.	.418731	.3290324	1.27	0.203	2261607	1.063623
F35.	.1890836	.3242983	0.58	0.560	4465293	.8246965
F36.	0888121	.314043	-0.28	0.777	704325	.5267009
F37.	2593667	.2942022	-0.88	0.378	8359924	.317259
F38.	4163635	.2850924	-1.46	0.144	9751344	.1424074
F39.	6555835	.2818467	-2.33	0.020	-1.207993	1031741
	1					
F40.	5455146	.2714896	-2.01	0.045	-1.077624	0134047
F41.	3809725	.2750155	-1.39	0.166	919993	.1580479
F42.	2552248	. 275776	-0.93	0.355	7957357	.2852861
F43.	0225553	.2655572	-0.08	0.932	5430379	.4979273
F44.	.1089227	.2657687	0.41	0.682	4119743	.6298197
F45.	0125055	.2611542	-0.05	0.962	5243583	.4993474
F46.	.119751	.277105	0.43	0.666	4233648	.6628669
	1					
F47.	.198677	.2763498	0.72	0.472	3429587	.7403127
F48.	.2940614	.2813938	1.05	0.296	2574602	.8455831
e1						
lpro						
	.0009814	.0004433	2.21	0.027	.0001126	.0018502
F1.	.000921	.0006442	1.43	0.153	0003416	.0021836
F2.	.0000361	.0007066	0.05	0.959	0013489	.0014211
F3.	0002022	.0007374	-0.27	0.784	0015485	.0014211
	1					
F4.	0012388	.0008145	-1.52	0.128	0028351	.0003575
F5.	0009066	.0008097	-1.12	0.263	0024935	.0006803
F6.	0003546	.0009655	-0.37	0.713	0022471	.0015378
F7.	-5.25e-06	.0008787	-0.01	0.995	0017274	.0017169
F8.	0007282	.0010086	-0.72	0.470	0027049	.0012486
F9.	0001338	.000998	-0.13	0.893	0020898	.0018222
F10.	0003013	.000924	-0.33	0.744	0021123	.0015098
F11.	0001856	.0009772	-0.19	0.849	0021009	.0017296
	1					
F12.	.0005152	.0009526	0.54	0.589	0013518	.0023821
F13.	.0008212	.0009949	0.83	0.409	0011288	.0027713
F14.	.0006319	.0009739	0.65	0.516	001277	.0025408
F15.	.0009731	.0008853	1.10	0.272	0007621	.0027083
F16.	.0009316	.0009641	0.97	0.334	000958	.0028213
F17.	.0007686	.0009957	0.77	0.440	001183	.0027202
F18.	.0002739	.0009081	0.30	0.763	001506	.0020538
F19.	.0004821	.0009125	0.53	0.597	0013063	.0022704
F20.	.0014487	.0010236	1.42	0.157	0005575	.0034549
	1					
F21.	.0009527	.00094	1.01	0.311	0008897	.0027951
F22.	.0007052	.000864	0.82	0.414	0009882	.0023987
F23.	.0011727	.0009326	1.26	0.209	0006552	.0030007
F24.	.0014681	.0010011	1.47	0.143	0004941	.0034303
F25.	.0011328	.0009843	1.15	0.250	0007964	.003062
F26.	.0002073	.0009251	0.22	0.823	0016058	.0020205
F27.	.0004102	.0008165	0.50	0.615	0011901	.0020105
F28.	0000377	.0007914	-0.05	0.962	0015888	.0015133
	1					
F29.	.0001896	.0008275	0.23	0.819	0014322	.0018114
F30.	.0005338	.0009283	0.58	0.565	0012856	.0023532
F31.	0000477	.0009847	-0.05	0.961	0019777	.0018824
F32.	0003557	.0010033	-0.35	0.723	0023221	.0016107
F33.	0004321	.0009355	-0.46	0.644	0022657	.0014015
F34.	0014322	.0009821	-1.46	0.145	003357	.0004926
F35.	0003165	.00117	-0.27	0.787	0026097	.0019767
F36.	.0004551	.001282	0.35	0.723	0020577	.0029678
	1	.001282	0.29		0020377	
F37.	.0003783			0.768		.0028969
F38.	0001218	.0012436	-0.10	0.922	0025593	.0023157
F39.	.0002326	.0012947	0.18	0.857	002305	.0027701
F40.	2.47e-07	.0012849	0.00	1.000	0025182	.0025186
F41.	0005172	.0013099	-0.39	0.693	0030847	.0020502
F42.	.000825	.0012792	0.64	0.519	0016821	.0033321
F43.	.0012161	.0012053	1.01	0.313	0011462	.0035785
F44.	.0012101	.0012035	1.03	0.302	0011402	.0039654
	1					
F45.	.00038	.0012593	0.30	0.763	0020882	.0028481
F46.	.0001707	.0012201	0.14	0.889	0022206	.002562
F47.	.0008782	.0012055	0.73	0.466	0014845	.0032409
ldem						
	.0003924	.0002947	1.33	0.183	0001852	.00097
F1.	.0011359	.0004537	2.50	0.012	.0002466	.0020252
1 1.	.0011000	.000-001	2.50	0.012	. 3002700	. 3020232

-		_				
F2.	.0015577	.0006806	2.29	0.022	.0002238	.0028916
F3.	.002141	.0008913	2.40	0.016	.0003941	.003888
F4.	.0027495	.0010047	2.74	0.006	.0007804	.0047186
F5.	.0022024	.0010389	2.12	0.034	.0001663	.0042385
F6.	.0025577	.0010769	2.38	0.018	.0004471	.0046683
F7.	.0027714	.0011895	2.33	0.020	.0004401	.0051027
F8.	.0027236	.0013407	2.03	0.042	.0000959	.0053513
F9.	.0030076	.0014126	2.13	0.033	.0002389	.0057763
F10.	.0033778	.00147	2.30	0.022	.0004966	.006259
F11.	.0032638	.0014663	2.23	0.026	.00039	.0061377
F12.	.003788	.0015173	2.50	0.013	.0008142	.0067619
F13.	.0044849	.0015582	2.88	0.004	.0014308	.007539
F14.	.0055155	.0016124	3.42	0.001	.0023553	.0086756
F15.	.0056243	.001637	3.44	0.001	.0024159	.0088327
F16.	.0057079	.0016294	3.50	0.000	.0025144	.0089015
F17.	.0055207	.0016065	3.44	0.001	.0023721	.0086693
F18.	.0054383	.0015771			.0023472	.0085294
			3.45	0.001		
F19.	.0053726	.0015273	3.52	0.000	.0023791	.008366
F20.	.0050532	.0015238	3.32	0.001	.0020666	.0080399
F21.	.0040175	.0015984	2.51	0.012	.0008847	.0071504
F22.	.0031658	.0015897	1.99	0.046	.0000499	.0062816
F23.	.0027032	.0016073	1.68	0.093	0004471	.0058536
F24.	.0027629	.0016011	1.73	0.084	0003752	.005901
F25.	.0013797	.0016298	0.85	0.397	0018146	.004574
F26.	.0006105	.0016342	0.37	0.709	0025925	.0038136
F27.	0002725	.0016853	-0.16	0.872	0035755	.0030306
F28.	0015594	.0016446	-0.95	0.343	0047827	.001664
F29.	0019186	.0017258	-1.11	0.266	0053011	.0014639
F30.	0026405	.001739	-1.52	0.129	0060489	.0007678
F31.	0016197	.0016612	-0.98	0.330	0048755	.0016362
F32.	0018509	.001605	-1.15	0.249	0049966	.0012949
F33.	0018874	.0015203	-1.24	0.214	0048672	.0010923
F34.	0016248	.0014787	-1.10	0.272	0045229	.0012734
F35.	0018515	.0014633	-1.27	0.206	0047194	.0010165
F36.	0004858	.0015419	-0.32	0.753	0035078	.0025363
F37.	.0002588	.0015522	0.17	0.868	0027836	.0033011
F38.	.0006703	.0015253	0.44	0.660	0023192	.0036598
F39.	.0003197	.0014924	0.21	0.830	0026054	.0032448
F40.	0006103	.0014755	-0.41	0.679	0035023	.0022817
			-0.41		003089	.0026042
F41.	0002424	.0014524		0.867		
F42.	.0000533	.0013779	0.04	0.969	0026473	.002754
F43.	.0001006	.0013972	0.07	0.943	0026378	.002839
F44.	.0005239	.0013587	0.39	0.700	0021392	.0031869
F45.	.0016039	.0012479	1.29	0.199	0008419	.0040497
F46.	.0024559	.0011426	2.15	0.032	.0002163	.0046954
F47.	.0032363	.0010892	2.97	0.003	.0011015	.0053711
1 77.	.0052505	.0010032	2.37	0.005	.0011013	.0055711
1						
lrpo						
	.0013511	.0051458	0.26	0.793	0087346	.0114367
F1.	0112431	.008878	-1.27	0.205	0286436	.0061575
F2.	0217877	.0124406	-1.75	0.080	0461709	.0025955
F3.	01469	.0132082	-1.11	0.266	0405775	.0111975
F4.	0105322	.0128015	-0.82	0.411	0356226	.0145583
F5.	0084807	.0124823	-0.68	0.497	0329455	.0159841
F6.	0186063	.012226	-1.52	0.128	0425688	.0053562
	0262283	.0125337	-2.09	0.036	0507939	0016626
F7.						
F8.	0138771	.0142621	-0.97	0.331	0418303	.0140761
F9.	.0083945	.0159153	0.53	0.598	022799	.039588
F10.	.0212248	.0153846	1.38	0.168	0089285	.0513781
F11.	.0276662	.0162095	1.71	0.088	0041038	.0594361
F12.	.0233992	.0160486	1.46	0.145	0080555	.054854
F13.	.0340186	.0162344	2.10	0.036	.0021999	.0658374
F14.	.0300292	.0177802	1.69	0.091	0048194	.0648778
F15.	.0494807	.0177802	2.61	0.009	.0122935	.0866679
F16.	.0561542	.0176141	3.19	0.001	.0216312	.0906772
F17.	.0407946	.015323	2.66	0.008	.0107621	.070827
F18.	.0502409	.0137604	3.65	0.000	.0232711	.0772108
F19.	.0481719	.0148623	3.24	0.001	.0190422	.0773016
F20.	.0569722	.0155028	3.67	0.000	.0265873	.0873571
F21.	.0451112	.0196076	2.30	0.021	.0066811	.0835413
F22.	.0493651	.0197609	2.50	0.012	.0106343	.0880958
F23.	.0422496	.0186795		0.012	.0056384	.0788607
			2.26			
F24.	.0321232	.0193694	1.66	0.097	0058402	.0700866

F25.	.0285798	.019828	1.44	0.149	0102824	.0674419
F26.	.0157408	.0210253	0.75	0.454	025468	.0569496
F27.	.0149291	.0226822	0.66	0.510	0295272	.0593854
F28.	0013663	.0243995	-0.06	0.955	0491884	.0464559
F29.	005092	.0242687	-0.21	0.834	0526579	.0424738
F30.	0035645	.0239365	-0.15	0.882	0504791	.0433501
F31.	0033362	.0238544	-0.14	0.889	0500898	.0434175
F32.	0010198	.0227685	-0.04	0.964	0456451	.0436056
F33.	0062167	.0218648	-0.28	0.776	0490709	.0366375
F34.	.014186	.0205577	0.69	0.490	0261064	.0544784
F35.	.0327719	.0186578	1.76	0.079	0037968	.0693405
F36.	.0301761	.0173633	1.74	0.082	0038555	.0642076
F37.	.0213292	.0170137	1.25	0.210	012017	.0546754
F38.	.020173	.0173628	1.16	0.245	0138575	.0542034
F39.	.0071807	.0171701	0.42	0.676	0264721	.0408334
F40.	0063622	.0168762	-0.38	0.706	0394388	.0267145
F41.	0172578	.015843	-1.09	0.276	0483096	.0137939
F42.	0182428	.0158452	-1.15	0.250	0492987	.0128132
F43.	0213688	.0160851	-1.33	0.184	0528949	.0101573
F44.	0135937	.0164044	-0.83	0.407	0457458	.0185584
F45.	0091659	.0184707	-0.50	0.620	0453677	.027036
F46.	00537	.0219332	-0.24	0.807	0483583	.0376184
F47.	0050954	.0229942	-0.22	0.825	0501631	.0399724

Note: IRF coefficients for exogenous variables are dynamic multipliers.

Impulses: lpro ldem lrpo e1
Responses: lpro ldem lrpo

```
. irf create lpmodel
(file comparemodels.irf updated)
```

```
. var lpro ldem lrpo, lags(1/24) /// > exog(L(0/24).e1)
```

Vector autoregression

Equation	Parms	RMSE	R-sq	chi2	P>chi2
lpro	98	.007113	0.9914	24801.23	0.0000
ldem	98	.005032	0.9991	233660.2	0.0000
lrpo	98	.079568	0.9744	8198.041	0.0000

		Coefficient	Std. err.	z	P> z	[95% conf.	interval]
lpro							
	lpro						
	L1.	.7879949	.0692835	11.37	0.000	.6522017	.923788
	L2.	0631854	.0869277	-0.73	0.467	2335606	.1071898
	L3.	.2023932	.0858433	2.36	0.018	.0341434	.3706429
	L4.	.0730708	.0888056	0.82	0.411	1009851	.2471267
	L5.	1151858	.0918968	-1.25	0.210	2953002	.0649286
	L6.	0201493	.0984429	-0.20	0.838	2130938	.1727952
	L7.	.2311445	.0957485	2.41	0.016	.0434808	.4188082
	L8.	0627162	.090523	-0.69	0.488	240138	.1147056
	L9.	.0255698	.0918134	0.28	0.781	1543811	.2055207
	L10.	0577637	.0918826	-0.63	0.530	2378504	.122323
	L11.	2631134	.09324	-2.82	0.005	4458604	0803665
	L12.	.1351736	.0969136	1.39	0.163	0547735	.3251208
	L13.	1130812	.100048	-1.13	0.258	3091717	.0830093
	L14.	.1280824	.0981712	1.30	0.192	0643297	.3204945
	L15.	.1379407	.0968572	1.42	0.154	0518959	.3277773

L16.	0188705	.09921	-0.19	0.849	2133186	.1755776
L17.	.0085058	.0998564	0.09	0.932	1872092	.2042208
L18.	1043324	.0978343	-1.07	0.286	2960841	.0874194
L19.	.0425337	.0968214	0.44	0.660	1472327	.2323001
L20.	0703884	.1009632	-0.70	0.486	2682726	.1274958
L21.		.103463		0.602	148757	
	.0540267		0.52			.2568104
L22.	2854944	.1014338	-2.81	0.005	4843009	0866879
L23.	.2627192	.1007724	2.61	0.009	.065209	.4602294
L24.	0489188	.0746624	-0.66	0.512	1952545	.0974169
	.0405200	.07-1002-1	0.00	0.311		.057-1205
ldem						
L1.	.2622377	.0946512	2.77	0.006	.0767248	.4477506
L2.	0912289	.1383191	-0.66	0.510	3623293	.1798715
L3.	1931505	.1349713	-1.43	0.152	4576894	.0713884
L4.	01315	.1365722	-0.10	0.923	2808266	.2545266
L5.	.0647977	.136803	0.47	0.636	2033313	.3329266
L6.	046445	.1353454	-0.34	0.731	311717	.2188271
L7.	0417372	.1335668	-0.31	0.755	3035233	.2200488
L8.	.04403	.1339006	0.33	0.742	2184103	.3064704
L9.	.0351739	.132076	0.27	0.790	2236903	.2940381
					2047336	
L10.	.0545007	.1322648	0.41	0.680		.313735
L11.	.0535951	.1347606	0.40	0.691	2105308	.317721
L12.	.0036769	.1373713	0.03	0.979	2655659	.2729198
L13.	.0443255	.1343356	0.33	0.741	2189674	.3076185
L14.	1954876	.1329771	-1.47	0.142	4561179	.0651428
		.1320897			3085286	
L15.	0496376		-0.38	0.707		.2092535
L16.	0204085	.1278888	-0.16	0.873	2710659	.230249
L17.	.1657999	.1279593	1.30	0.195	0849957	.4165955
L18.	0682028	.1293281	-0.53	0.598	3216812	.1852756
L19.	0315477	.129028	-0.24	0.807	2844378	.2213425
L20.	0557287	.1279884	-0.44	0.663	3065814	.195124
L21.	.1457968	.1285363	1.13	0.257	1061297	.3977233
L22.	0252504	.1268128	-0.20	0.842	2737988	.2232981
L23.	.2313788	.1263453	1.83	0.067	0162534	.4790111
L24.	2098489	.0832666	-2.52	0.012	3730484	0466494
	.2050-05	.0032000	2.52	0.011	13730404	.0100151
1						
lrpo						
L1.	.0065669	.0062409	1.05	0.293	005665	.0187988
L2.	0074992	.0094948	-0.79	0.430	0261087	.0111103
L3.	0007644	.0094618	-0.08	0.936	0193092	.0177805
L4.	.0026542	.0095919	0.28	0.782	0161457	.0214541
L5.	0143788	.0094653	-1.52	0.129	0329304	.0041728
			-1.52		6323364	.0041/20
					005555	0000460
L6.	.0116302	.0093298	1.25	0.213	006656	.0299163
L6. L7.				0.213 0.103	006656 0030645	.0299163 .0335098
	.0116302	.0093298	1.25			
L7. L8.	.0116302 .0152226 0143775	.0093298 .0093303 .0092974	1.25 1.63 -1.55	0.103 0.122	0030645 0326001	.0335098 .0038451
L7. L8. L9.	.0116302 .0152226 0143775 .0075826	.0093298 .0093303 .0092974 .0092904	1.25 1.63 -1.55 0.82	0.103 0.122 0.414	0030645 0326001 0106263	.0335098 .0038451 .0257915
L7. L8. L9. L10.	.0116302 .0152226 0143775 .0075826 0032035	.0093298 .0093303 .0092974 .0092904 .0092824	1.25 1.63 -1.55 0.82 -0.35	0.103 0.122 0.414 0.730	0030645 0326001 0106263 0213967	.0335098 .0038451 .0257915 .0149897
L7. L8. L9. L10. L11.	.0116302 .0152226 0143775 .0075826 0032035 0245342	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149	1.25 1.63 -1.55 0.82 -0.35 -2.66	0.103 0.122 0.414 0.730 0.008	0030645 0326001 0106263 0213967 042595	.0335098 .0038451 .0257915 .0149897 0064733
L7. L8. L9. L10. L11. L12.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22	0.103 0.122 0.414 0.730 0.008 0.222	0030645 0326001 0106263 0213967 042595 0068236	.0335098 .0038451 .0257915 .0149897 0064733 .0293799
L7. L8. L9. L10. L11.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63	0.103 0.122 0.414 0.730 0.008 0.222 0.008	0030645 0326001 0106263 0213967 042595 0068236 .0062099	.0335098 .0038451 .0257915 .0149897 0064733
L7. L8. L9. L10. L11. L12.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22	0.103 0.122 0.414 0.730 0.008 0.222	0030645 0326001 0106263 0213967 042595 0068236	.0335098 .0038451 .0257915 .0149897 0064733 .0293799
L7. L8. L9. L10. L11. L12. L13. L14.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004	0030645 0326001 0106263 0213967 042595 0068236 .0062099 0450051	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491
L7. L8. L9. L10. L11. L12. L13. L14. L15.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004	0030645 0326001 0106263 0213967 042595 0068236 .0062099 0450051 0058555	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .0092586	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.816	0030645 0326001 0106263 0213967 042595 0068236 .0062099 0450051 0058555 0204216	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .0092586 .0093146	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.41	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.816 0.683	0030645 0326001 0106263 0213967 042595 0068236 .0062099 0450051 0058555 0204216 0150685	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .0092586 .0093146 .0097108	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.41 0.21	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.683 0.833	0030645 0326001 0106263 0213967 042595 0068236 .0062099 0450051 0058555 0204216 0150685 0168912	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .0092586 .0093146	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.41 0.21 -0.13	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.816 0.683	0030645 0326001 0106263 0213967 042595 0068236 .0062099 0450051 0058555 0204216 0150685	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .0092586 .0093146 .0097108	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.41 0.21	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.683 0.833 0.898	0030645 0326001 0106263 0213967 042595 0068236 .0062099 0450051 0058555 0204216 0150685 0168912 019604	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092236 .0092236 .0092586 .0093146 .0097108 .0096601 .0093908 .0092891	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.41 0.21 -0.13 -0.06	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.683 0.833 0.898 0.955	0030645 0326001 0106263 0213967 042595 0068236 .0062099 0450051 0058555 0204216 0150685 0168912 019604 0187337	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092236 .0092236 .0092586 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.21 -0.13 -0.06 0.31	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.683 0.833 0.898 0.955 0.759	0030645 0326001 0106263 0213967 042595 0068236 .0062099 0450051 0058555 0204216 0150685 0168912 019604 0187337 0151255	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071 .017679
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .009236 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .0089514	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.41 0.21 -0.13 -0.06 0.31 -1.24	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.683 0.833 0.898 0.955 0.759	0030645 0326001 0106263 0213967 042595 0068236 .0062099 0450051 0058555 0204216 0150685 0168912 019604 0187337 0151255 0286543	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071 .017679 .0207291
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21. L22. L23.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098 0038319	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .0092586 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .00989514 .0087735	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.21 -0.13 -0.06 0.31 -1.24 -0.44	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.833 0.833 0.898 0.955 0.759 0.215	0030645 0326001 0106263 0213967 042595 0068236 .0062099 0450051 0058555 0204216 0150685 0168912 019604 0187337 0151255 0286543 0210277	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071 .017679 .0207291 .0064348 .013364
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .009236 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .0089514	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.41 0.21 -0.13 -0.06 0.31 -1.24	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.683 0.833 0.898 0.955 0.759	0030645 0326001 0106263 0213967 042595 0068236 .0062099 0450051 0058555 0204216 0150685 0168912 019604 0187337 0151255 0286543	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071 .017679 .0207291
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21. L22. L23.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098 0038319	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .0092586 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .00989514 .0087735	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.21 -0.13 -0.06 0.31 -1.24 -0.44	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.833 0.833 0.898 0.955 0.759 0.215	0030645 0326001 0106263 0213967 042595 0068236 .0062099 0450051 0058555 0204216 0150685 0168912 019604 0187337 0151255 0286543 0210277	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071 .017679 .0207291 .0064348 .013364
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21. L22. L23.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098 0038319	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .0092586 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .00989514 .0087735	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.21 -0.13 -0.06 0.31 -1.24 -0.44	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.833 0.833 0.898 0.955 0.759 0.215	0030645 0326001 0106263 0213967 042595 0068236 .0062099 0450051 0058555 0204216 0150685 0168912 019604 0187337 0151255 0286543 0210277	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071 .017679 .0207291 .0064348 .013364
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21. L22. L23. L24.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098 0038319 .005139	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092236 .0092236 .0092586 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .0089514 .0087735 .0061444	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.41 0.21 -0.13 -0.06 0.31 -1.24 -0.44 0.84	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.816 0.683 0.833 0.898 0.955 0.759 0.215 0.662 0.403	00306450326001010626302139670425950068236 .00620990450051005855502042160150685016891201960401873370151255028654302102770069039	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071 .017679 .0207291 .0064348 .013364
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21. L22. L23. L24.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098 0038319 .005139	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .009236 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .0089514 .0087735 .0061444	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.41 0.21 -0.13 -0.06 0.31 -1.24 -0.44 0.84	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.816 0.683 0.833 0.898 0.955 0.759 0.215 0.662 0.403	0030645 0326001 0106263 0213967 042595 0068236 .0062099 0450051 0058555 0204216 0150685 0168912 019604 0187337 0151255 0286543 0210277 0069039	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071 .017679 .0207291 .0064348 .013364 .0171818
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21. L22. L23. L24. e1	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098 0038319 .005139	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .0092586 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .0089514 .0087735 .0061444	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.41 0.21 -0.13 -0.06 0.31 -1.24 -0.44 0.84	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.816 0.683 0.833 0.898 0.955 0.759 0.215 0.662 0.403	00306450326001010626302139670425950068236 .00620990450051005855502042160150685016891201960401873370151255028654302102770069039	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071 .017679 .0207291 .0064348 .013364 .0171818
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21. L22. L23. L24. e1 L1. L2.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098 0038319 .005139	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .0092586 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .0087735 .0061444	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.41 0.21 -0.13 -0.06 0.31 -1.24 -0.44 0.84	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.816 0.683 0.833 0.898 0.955 0.759 0.215 0.662 0.403	00306450326001010626302139670425950068236 .00620990450051005855502042160150685016891201960401873370151255028654302102770069039	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .020976 .0172071 .017679 .0207291 .0064348 .013364 .0171818
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21. L22. L23. L24. e1	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098 0038319 .005139	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .0092586 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .0089514 .0087735 .0061444	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.41 0.21 -0.13 -0.06 0.31 -1.24 -0.44 0.84	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.816 0.683 0.833 0.898 0.955 0.759 0.215 0.662 0.403	00306450326001010626302139670425950068236 .00620990450051005855502042160150685016891201960401873370151255028654302102770069039	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071 .017679 .0207291 .0064348 .013364 .0171818
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21. L22. L23. L24. e1 L1. L2.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098 0038319 .005139	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .0092586 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .0087735 .0061444	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.41 0.21 -0.13 -0.06 0.31 -1.24 -0.44 0.84	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.816 0.683 0.833 0.898 0.955 0.759 0.215 0.662 0.403	00306450326001010626302139670425950068236 .00620990450051005855502042160150685016891201960401873370151255028654302102770069039	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .020976 .0172071 .017679 .0207291 .0064348 .013364 .0171818
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21. L22. L23. L24. e1 L1. L2. L3. L4.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098 0038319 .005139	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .0092586 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .0087735 .0061444	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.41 0.21 -0.13 -0.06 0.31 -1.24 -0.44 0.84	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.816 0.683 0.833 0.898 0.955 0.759 0.215 0.662 0.403	00306450326001010626302139670425950068236 .00620990450051005855502042160150685016891201960401873370151255028654302102770069039 00014480005163001122300127590018723	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071 .017679 .0207291 .0064348 .013364 .0171818
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21. L22. L23. L24. e1 L1. L2. L3. L4. L5.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098 0038319 005139	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092236 .0092236 .0092586 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .0089514 .0087735 .0061444	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.41 0.21 -0.13 -0.06 0.31 -1.24 -0.44 0.84	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.683 0.833 0.898 0.955 0.759 0.215 0.403	00306450326001010626302139670425950068236 .00620990450051005855502042160150685016891201960401873370151255028654302102770069039 000144800051630011223001275900187230012122	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071 .017679 .0207291 .0064348 .013364 .0171818 .0013678 .001009 .0004059 .0002708 0002879 .0004123
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21. L22. L23. L24. e1 L1. L2. L3. L4. L5. L6.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098 0038319 .005139	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092236 .0092236 .0092586 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .0089514 .0087735 .0061444	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -2.92 1.33 -0.23 0.41 0.21 -0.13 -0.06 0.31 -1.24 -0.44 0.84	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.683 0.833 0.898 0.955 0.759 0.215 0.662 0.403	0030645032600101062630213967042595006823600620990450051005855502042160150685016891201960401873370151255028654302102770069039 0001448000516300112230012759001872300121220010613	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071 .017679 .0207291 .0064348 .013364 .0171818 .0013678 .001009 .0004059 .0002708 0002879 .0004123 .0005502
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21. L22. L23. L24. e1 L1. L2. L3. L4. L5. L6. L7.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098 0038319 .005139	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .0092586 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .0089514 .0087735 .0061444 .0003859 .0003899 .0003899 .0003946 .0004042 .0004111 .0004097	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -0.23 -0.23 -0.21 -0.13 -0.06 0.31 -1.24 -0.44 0.84 1.58 0.63 -0.92 -1.27 -2.67 -0.97 -0.62 -0.05	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.683 0.833 0.898 0.955 0.759 0.215 0.662 0.403	0030645032600101062630213967042595006823600620990450051005855502042160150685016891201960401873370151255028654302102770069039 00014480005163001122300127590018723001212200106130008242	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071 .017679 .0207291 .0064348 .013364 .0171818 .0013678 .001009 .0004059 .0002708 0002879 .0004123 .0005502 .0007816
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21. L22. L23. L24. e1 L1. L2. L3. L4. L5. L6.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098 0038319 .005139	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092236 .0092236 .0092586 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .0089514 .0087735 .0061444	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -0.23 -0.23 -0.21 -0.13 -0.06 0.31 -1.24 -0.44 0.84 1.58 0.63 -0.92 -1.27 -0.97 -0.62 -0.05 0.03	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.683 0.838 0.955 0.759 0.215 0.662 0.403 0.113 0.527 0.358 0.203 0.008 0.334 0.959 0.974	0030645032600101062630213967042595006823600620990450051005855502042160150685016891201960401873370151255028654302102770069039 0001448000516300112230012759001872300121220010613	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071 .017679 .0207291 .0064348 .013364 .0171818 .0013678 .001009 .0004059 .0002708 0002879 .0004123 .0005502 .0007816 .0008196
L7. L8. L9. L10. L11. L12. L13. L14. L15. L16. L17. L18. L19. L20. L21. L22. L23. L24. e1 L1. L2. L3. L4. L5. L6. L7.	.0116302 .0152226 0143775 .0075826 0032035 0245342 .0112781 .0242722 0269271 .0122909 0021652 .0039643 .0020422 0011984 0005273 .0028018 0111098 0038319 .005139	.0093298 .0093303 .0092974 .0092904 .0092824 .0092149 .0092358 .0092156 .0092236 .0092586 .0093146 .0097108 .0096601 .0093908 .0092891 .0091468 .0089514 .0087735 .0061444 .0003859 .0003899 .0003899 .0003946 .0004042 .0004111 .0004097	1.25 1.63 -1.55 0.82 -0.35 -2.66 1.22 2.63 -0.23 -0.23 -0.21 -0.13 -0.06 0.31 -1.24 -0.44 0.84 1.58 0.63 -0.92 -1.27 -2.67 -0.97 -0.62 -0.05	0.103 0.122 0.414 0.730 0.008 0.222 0.008 0.004 0.184 0.683 0.833 0.898 0.955 0.759 0.215 0.662 0.403	0030645032600101062630213967042595006823600620990450051005855502042160150685016891201960401873370151255028654302102770069039 00014480005163001122300127590018723001212200106130008242	.0335098 .0038451 .0257915 .0149897 0064733 .0293799 .0423345 0088491 .0304374 .0160911 .022997 .0209756 .0172071 .017679 .0207291 .0064348 .013364 .0171818 .0013678 .001009 .0004059 .0002708 0002879 .0004123 .0005502 .0007816

Juliuay Ju.	Iy IJ 10.32.33	2023 Tage	1,			
L10	000199	.0003986	0 50	0.618	0005823	.0009802
			0.50			
L11		.0003717	2.65	0.008	.0002562	.0017131
L12		.0003727	0.58	0.563	0005148	.0009462
L13		.0003519	2.31	0.021	.0001217	.0015013
L14	0003189	.0003545	0.90	0.368	0003759	.0010136
L15	0002629	.0003559	0.74	0.460	0004347	.0009605
L16		.0003484	-1.61	0.108	0012431	.0001225
L17	1	.0003453	-1.02	0.307	0010297	.0003237
			-1.94			
L18		.0003453		0.052	0013476	5.82e-06
L19		.0003465	-0.83	0.406	0009671	.000391
L20		.0003474	2.44	0.015	.0001675	.0015291
L21	0003638	.0003503	-1.04	0.299	0010503	.0003227
L22	000181	.0003464	-0.52	0.601	00086	.000498
L23	0007854	.000348	2.26	0.024	.0001034	.0014675
L24	1	.0003395	1.48	0.138	0001618	.0011688
				01250	***************************************	***************************************
_con:	. 2976103	.1248611	2.38	0.017	.0528871	.5423335
ldem						
lpro	0					
L1		.0490114	0.66	0.509	0636586	.1284627
L2		.061493	-0.58	0.561	1563097	.0847386
	1					
L3		.0607259	1.11	0.266	0515015	.1865397
L4	1	.0628215	0.65	0.513	0820485	.1642072
L5		.0650082	-3.00	0.003	3224757	0676483
L6	1083672	.0696389	1.56	0.120	0281226	.244857
L7	0221673	.0677329	0.33	0.743	1105868	.1549215
L8	145644	.0640364	-2.27	0.023	2711529	020135
L9		.0649492	3.02	0.002	.0691019	.323698
L10		.0649982	-2.40	0.016	2837019	0289137
	1					
L11		.0659584	1.16	0.245	0526148	.2059372
L12		.0685571	0.13	0.898	1255919	.143147
L13	0057564	.0707744	-0.08	0.935	1444717	.1329589
L14	0118272	.0694468	-0.17	0.865	1479403	.124286
L15	0245554	.0685172	-0.36	0.720	1588467	.1097358
L16	0632548	.0701816	0.90	0.367	0742986	.2008083
L17		.0706389	0.20	0.839	1240948	.1528045
L18		.0692084	1.21	0.227	0520979	.2191942
L19	1	.0684919	-2.68	0.007	3175342	049051
L20		.0714218	2.68	0.007	.0517503	.3317187
L21		.0731902	-1.70	0.089	2677522	.019148
L22		.0717547	1.53	0.127	0310478	.2502253
L23	0064844	.0712868	0.09	0.928	1332352	.146204
L24	0260427	.0528165	-0.49	0.622	1295612	.0774758
1.4						
ldei		0660563			070707	4 000400
L1		.0669567	16.46	0.000	.9707237	1.233189
L2		.0978475	0.80	0.424	1135861	. 2699692
L3	1970391	.0954793	-2.06	0.039	3841751	0099031
L4	03612	.0966118	0.37	0.709	1532356	.2254757
L5	1	.096775	0.55	0.582	1364466	.2429046
L6	1	.0957439	-2.09	0.036	3882375	0129283
L7		.0944857	1.11	0.268	0805035	.2898738
L7 L8	I	.0947219	0.76	0.449	1138826	. 2574203
L9		.0934311	-1.62	0.105	3345058	.0317375
L10	1	.0935647	0.58	0.559	1287665	.2380005
L11	0074416	.0953302	0.08	0.938	1794022	.1942854
L12	0520141	.0971771	-0.54	0.592	2424777	.1384495
L13	. 1394519	.0950296	1.47	0.142	0468027	.3257065
L14		.0940686	-0.52	0.605	2329583	.1357838
L15		.0934408	-1.81	0.070	3526758	.0136055
	1					
L16		.0904691	1.30	0.195	0599701	.2946623
L17	1	.090519	-0.10	0.924	1860729	.1687549
L18		.0914873	0.31	0.756	1508955	.207728
L19	069861	.0912749	-0.77	0.444	2487566	.1090346
L20	0298873	.0905396	0.33	0.741	147567	.2073416
L21		.0909271	0.04	0.967	1744507	.1819771
L22		.0897079	-2.19	0.028	3723241	0206755
L23		.0893772	2.95	0.023	.0886265	.4389788
L24	0489091	.0589032	-0.83	0.406	1643572	.0665389
lrp						
L1	0185437	.0044148	4.20	0.000	.0098908	.0271966

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	1.2	016056	0067167	-2.39	0.017	- 0202204	0028916
	L2.	016056	.0067167			0292204	
	L3.	.0080875	.0066933	1.21	0.227	0050312	.0212062
	L4.	0055848	.0067854	-0.82	0.410	0188839	.0077143
	L5.	0168343	.0066958	-2.51	0.012	0299578	0037109
	L6.	.0077253	.0066	1.17	0.242	0052104	.020661
	L7.	.0105967	.0066003	1.61	0.108	0023397	.0235331
	L8.	0116012	.006577	-1.76	0.078	0244919	.0012896
	L9.				0.125		.022962
		.010081	.0065721	1.53		0028001	
	L10.	.002106	.0065664	0.32	0.748	010764	.0149759
	L11.	.0004307	.0065186	0.07	0.947	0123456	.013207
	L12.	008318	.0065334	-1.27	0.203	0211232	.0044873
	L13.	.0003339	.0065192	0.05	0.959	0124434	.0131113
	L14.	.006108	.0065248	0.94	0.349	0066804	.0188965
	L15.	0123329	.0065496	-1.88	0.060	0251698	.000504
	L16.	.022564	.0065892	3.42	0.001	.0096494	.0354786
		l .					
	L17.	0119726	.0068694	-1.74	0.081	0254365	.0014912
	L18.	.0054591	.0068336	0.80	0.424	0079345	.0188527
	L19.	0048767	.0066431	-0.73	0.463	0178969	.0081434
	L20.	.0033648	.0065712	0.51	0.609	0095145	.016244
	L21.	0076327	.0064705	-1.18	0.238	0203145	.0050492
	L22.	.010468	.0063323	1.65	0.098	0019431	.0228791
	L23.	0011839	.0062064	-0.19	0.849	0133483	.0109805
		l					
	L24.	0070535	.0043466	-1.62	0.105	0155726	.0014657
	e1						
		.000193	.000273	0.71	0.479	000342	.0007281
	L1.	.0004681	.0002753	1.70	0.089	0000714	.0010077
	L2.	.0006763	.0002758	2.45	0.014	.0001358	.0012168
	L3.	.0001242	.0002791	0.45	0.656	0004228	.0006713
	L4.	.0003534	.0002859	1.24	0.216	000207	.0009138
	L5.	.0000671	.0002932	0.23	0.819	0005074	.0006417
	L6.	.0002561	.0002908	0.88	0.379	0003139	.0008261
	L7.	.000497	.0002898	1.72	0.086	000071	.001065
	L8.	.0006612	.000291	2.27	0.023	.0000909	.0012315
	L9.	.0004277	.0002924	1.46	0.144	0001454	.0010009
	L10.	.0002775	.000282	0.98	0.325	0002752	.0008302
	L11.	0003992	.0002629	-1.52	0.129	0002732	.0001161
	L12.	.0002523	.0002637	0.96	0.339	0002644	.0007691
	L13.	.0004781	.000249	1.92	0.055	-9.88e-06	.000966
	L14.	.0005407	.0002508	2.16	0.031	.0000492	.0010322
	L15.	.0002526	.0002518	1.00	0.316	0002409	.0007461
	L16.	.0002762	.0002464	1.12	0.262	0002068	.0007592
	L17.	.0004027	.0002442	1.65	0.099	000076	.0008814
	L18.	.0004009	.0002442	1.64	0.101	0000778	.0008796
	L19.	0002959	.0002451	-1.21	0.227	0007762	.0001845
	L20.	.0003082	.0002457	1.25	0.210	0001734	.0007898
	L21.	.000157	.0002478	0.63	0.526	0003286	.0006426
	L22.	.0002535	.0002451	1.03	0.301	0002268	.0007338
	L23.	.0005231	.0002462	2.12	0.034	.0000406	.0010056
	L24.	.0009938	.0002401	4.14	0.000	.0005232	.0014645
		.0003330	.0002-02		0.000	.0003232	.002-10-15
		2502072	0002272	2 02	0 005	4222256	0770001
	_cons	2502073	.0883273	-2.83	0.005	4233256	0770891
-							
lrpo							
	lpro						
	L1.	9249983	.7750174	-1.19	0.233	-2.444005	.594008
	L2.	.7432964	.9723888	0.76	0.445	-1.162551	2.649143
	L3.	.110583	.9602581	0.12	0.908	-1.771488	1.992654
	L4.	1.26185	.9933957	1.27	0.204	6851695	3.20887
	L5.	-2.943788	1.027973	-2.86	0.004	-4.958579	928997
	L6.	0014789	1.101199	-0.00	0.999	-2.15979	2.156832
	L7.	.1151396	1.07106	0.11	0.914	-1.9841	2.214379
	L8.	.41424	1.012606	0.41	0.682	-1.570432	2.398911
	L9.	2133938	1.027041	-0.21	0.835	-2.226356	1.799569
	L10.	9920378	1.027815	-0.97	0.334	-3.006519	1.022443
	L11.	1293712	1.042999	-0.12	0.901	-2.173611	1.914869
	L11.	2.84894	1.084093	2.63	0.009	.7241575	4.973722
		l .					
	L13.	-1.093007	1.119155	-0.98	0.329	-3.28651	1.100496
	L14.	7681974	1.098161	-0.70	0.484	-2.920553	1.384158
	L15.	2.776545	1.083462	2.56	0.010	.6529992	4.900091
	L16.	-2.229014	1.109781	-2.01	0.045	-4.404145	0538837
	L17.	1.090162	1.117012	0.98	0.329	-1.09914	3.279465
	L18.	1.199452	1.094392	1.10	0.273	945517	3.344421
							_ ,

L19.	-4.35649	1.083061	-4.02	0.000	-6.47925	-2.233729
L20.	3.554926	1.129392	3.15	0.002	1.341358	5.768494
L21.	-1.563164	1.157355	-1.35	0.177	-3.831539	.7052099
L22.	1.947172	1.134656	1.72	0.086	2767127	4.171057
		1.127258			-3.267475	
L23.	-1.058091		-0.94	0.348		1.151293
L24.	-1.069517	.8351873	-1.28	0.200	-2.706454	.5674199
ldem						
L1.	1.716577	1.058785	1.62	0.105	3586031	3.791757
L2.	.4148455	1.547262	0.27	0.789	-2.617732	3.447423
L3.	518808	1.509813	-0.34	0.731	-3.477987	2.440371
L4.	-2.804421	1.527721	-1.84	0.066	-5.798699	.1898572
L5.	2.721674	1.530302	1.78	0.075	2776638	5.721012
	4559891					2.511391
L6.		1.513997	-0.30	0.763	-3.423369	
L7.	1.219858	1.494102	0.82	0.414	-1.708528	4.148243
L8.	-1.751412	1.497836	-1.17	0.242	-4.687116	1.184292
L9.	-1.278825	1.477425	-0.87	0.387	-4.174526	1.616875
L10.		1.479538	0.04	0.968	-2.841038	2.958643
	.0588023					
L11.	.7100588	1.507456	0.47	0.638	-2.2445	3.664618
L12.	.7468895	1.53666	0.49	0.627	-2.264909	3.758688
L13.	-1.660323	1.502702	-1.10	0.269	-4.605565	1.284919
L14.	1.451499	1.487506	0.98	0.329	-1.463958	4.366956
	l .					
L15.	1.474946	1.477579	1.00	0.318	-1.421055	4.370947
L16.	1329659	1.430587	-0.09	0.926	-2.936865	2.670933
L17.	-3.25918	1.431375	-2.28	0.023	-6.064624	4537353
L18.	1.71968	1.446687	1.19	0.235	-1.115774	4.555135
					· -	
L19.	1.340075	1.44333	0.93	0.353	-1.488799	4.168949
L20.	-1.022236	1.431701	-0.71	0.475	-3.828318	1.783846
L21.	-2.44318	1.437829	-1.70	0.089	-5.261274	.3749143
L22.	2.24513	1.41855	1.58	0.113	5351777	5.025437
L23.	-1.186083	1.413321	-0.84	0.401	-3.956141	1.583975
L24.	1.221674	.9314348	1.31	0.190	6039045	3.047253
lrpo						
L1.	1.124765	.0698116	16.11	0.000	.9879369	1.261593
L2.	1108302	.1062106	-1.04	0.297	3189991	.0973387
L3.	2607467	.1058418	-2.46	0.014	4681927	0533006
L4.	.0824458	.1072971	0.77	0.442	1278527	.2927443
L5.	.0751608	.1058802	0.71	0.478	1323606	.2826822
L6.	0914134	.1043651	-0.88	0.381	2959652	.1131385
L7.	.1837921	.1043709	1.76	0.078	020771	.3883552
	1715744	.1040026	-1.65		3754157	.0322669
L8.				0.099		
L9.	.0148827	.1039244	0.14	0.886	1888054	.2185708
L10.	.0941151	.1038348	0.91	0.365	1093975	.2976276
L11.	.0898423	.1030792	0.87	0.383	1121893	.2918739
L12.	0014507	.1033127	-0.01	0.989	2039399	.2010386
L13.	1540792	.1030878	-1.49	0.135	3561275	.0479692
L14.	.0434555					
		.1031773	0.42	0.674	1587683	. 2456794
L15.	.1204982	.1035681	1.16	0.245	0824917	.323488
L16.	1338556	.1041952	-1.28	0.199	3380744	.0703632
L17.	0034794	.1086265	-0.03	0.974	2163834	.2094246
L18.	.1365749	.1080593	1.26	0.206	0752175	.3483673
L19.	1302539	.1050466	-1.24	0.215	3361415	.0756337
L20.	.1908868	.1039098	1.84	0.066	0127726	. 3945463
L21.	1359731	.1023172	-1.33	0.184	3365112	.064565
L22.	.094196	.1001325	0.94	0.347	10206	.2904521
	l .					
L23.	15816	.0981424	-1.61	0.107	3505156	.0341957
L24.	.0376945	.0687324	0.55	0.583	0970186	.1724076
e1						
	0062406	.0043166	-1.45	0.148	0147009	.0022197
L1.	0107449	.0043529	-2.47	0.014	0192764	0022134
L2.	0085897	.004361	-1.97	0.049	0171371	0000423
L3.	0064057	.0044138	-1.45	0.147	0150566	.0022451
L4.	0043064	.0045214	-0.95	0.341	0131682	.0045554
L5.	0100156	.0046356	-2.16	0.031	0191012	00093
L6.	0035331	.0045987	-0.77	0.442	0125464	.0054802
L7.	0052877	.0045825	-1.15	0.249	0142692	.0036939
		.0046011		0.003		.022781
L8.	.013763		2.99		.004745	
L9.	002087	.0046243	-0.45	0.652	0111504	.0069764
L10.	003802	.0044589	-0.85	0.394	0125414	.0049373
L11.	0015628	.0041575	-0.38	0.707	0097114	.0065858
L12.	.0067725	.0041693	1.62	0.104	0013991	.0149441
•	,					

Sunday July 13 18:32:35 2025 Page 20 L13. .0039369 -1.31 0.189 -.0128898 .0025425 -.0051736 L14. -.0008206 .0039653 -0.21 -.0085924 .0069513 0.836 .0039816 .0100411 L15. .0022372 0.56 0.574 -.0055666 L16. .0014943 .0038969 0.38 0.701 -.0061435 .0091322 L17. -.0004089 .0038622 -.0079787 .0071609 -0.11 0.916 L18. .0049704 .0038622 1.29 0.198 -.0025993 .0125402 L19. .0019738 .0038755 0.51 0.611 -.0056222 .0095697 L20. .0007615 .0038856 0.20 0.845 -.0068541 .0083771 -.0048318 .0039181 -1.23 L21. 0.218 -.0125112 .0028476 .0038753 -.0058951 L22. .0017003 0.44 .0092957 0.661 L23. .0006624 .0038929 0.17 0.865 -.0069676 .0082924 L24. -.0022101 .0037973 -0.58 -.0096527 .0052325 0.561 _cons 2.32 0.020 .5095696 5.984604 3.247087 1.396718

```
. irf create varmodel, step(48)
(file comparemodels.irf updated)
. irf graph dm, impulse(e1) response(lrpo) ///
> irf(lpmodel varmodel) level(95) name(G2, replace) ///
      xline(0 10 20 30 40 50, lcolor(blue)) yline(-.05 0 .05 .1, lcolor(blue))
. graph export "G2.svg", replace
file G2.svg saved as SVG format
  graph export "G2.png", as(png) width(4000) replace
file G2.png saved as PNG format
 graph export "G2.pdf", as(pdf) replace
file G2.pdf saved as PDF format
. /* GPR */
. matrix A = (1,0,0,0,.,1,0,0,.,1,0,.,.,1)
. matlist A
                                                ۲3
```

	CI	(2	CS	C4
r1	1	0	0	0
r2		1	0	0
r3			1	0
r4			•	1
	•			

. matrix B = (.,0,0,0,0,.,0,0,0,.,0,0,0,0,.)

. matlist B

	c1	c2	c3	c4
r1	•			
r2	0			
r3	0	0		
r4	0	0	0	

```
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. svar gprcn lpro ldem lrpo if Period>tm(2000m1), aeq(A) beq(B) ///
> lags(1/24)
Estimating short-run parameters
Iteration 0: Log likelihood = -1093.1299
Iteration 1: Log likelihood = 366.84133
Iteration 2: Log likelihood = 925.91491
Iteration 3: Log likelihood = 1190.8535
              Log likelihood = 1190.8535
Iteration 4: Log likelihood = 1559.6293
Iteration 5: Log likelihood = 1872.7545
Iteration 6:
              Log likelihood = 2176.4317
Iteration 7: Log likelihood =
                                 2281.754
Iteration 8: Log likelihood = 2324.3724
Iteration 9:
              Log likelihood = 2325.2756
Iteration 10: Log likelihood = 2325.2767
Iteration 11: Log likelihood = 2325.2767
Structural vector autoregression
 (1)
      [/A]1_1 = 1
       [/A]1_2 = 0
[/A]1_3 = 0
 (2)
 (3)
 (4)
       [/A]1_4 = 0
 (5)
       [/A]2_2 = 1
 (6)
       [/A]2_3 = 0
 (7)
       [/A]2\_4 = 0
 (8)
       [/A]3_3 = 1
 (9)
       [/A]3_4 = 0
       [/A]4_4 = 1
 (10)
       [/B]1_2 = 0
 (11)
 (12)
       [/B]1_3 = 0
 (13)
       [/B]1_4 = 0
 (14)
       [/B]2_1 = 0
 (15)
       [/B]2_3 = 0
       [/B]2_4 = 0
 (16)
 (17)
       [/B]3\_1 = 0
 (18)
       [/B]3_2 = 0
 (19)
       [/B]3_4 = 0
 (20)
       [/B]4_1 = 0
       [/B]42 = 0
 (21)
 (22)
       [/B]4_3 = 0
Sample: 2000m2 thru 2019m12
                                                 Number of obs
Exactly identified model
                                                  Log likelihood
                                                                         2325.277
               Coefficient Std. err.
                                                 P>|z|
                                                            [95% conf. interval]
/A
                        1 (constrained)
         1_1
         2_1
                -.0049828
                            .0029376
                                         -1.70
                                                 0.090
                                                           -.0107404
                                                                         .0007749
         3_1
                 .0020722
                             .0019717
                                          1.05
                                                 0.293
                                                           -.0017923
                                                                         .0059367
         4_1
                 -.012775
                             .0303738
                                         -0.42
                                                 0.674
                                                           -.0723066
                                                                         .0467566
         1_2
                       0
                           (constrained)
                            (constrained)
         2_2
                        1
         3_2
                 -.101516
                             .0431567
                                         -2.35
                                                 0.019
                                                           -.1861016
                                                                        -.0169304
         4 2
                 1.783492
                             .6709258
                                                                        3.098483
                                          2.66
                                                 0.008
                                                            .4685019
         1_3
                        0 (constrained)
```

2_3

3_3

4_3

1_4

2_4

3 4

4_4

1_1

2_1

3_1

4 1

1_2

/B

0

1

0

0

0

0

0

0

0

-2.378802

.1335812

.0060665

(constrained)

(constrained)

(constrained)

(constrained)

(constrained)

(constrained)

.0061099

(constrained)

(constrained)

(constrained)

(constrained)

.0002775

-2.39

21.86

21.86

0.017

0.000

0.000

-4.327325

.1216061

.0055227

.9941626

239

-.4302789

.1455563

.0066104

3_2 4_2	0	(constraine	d)			
1_3 2_3	0 0 0040475	<pre>(constraine (constraine .0001851</pre>	d)	0 000	.0036847	0044104
3_3 4_3	.0040475 0 0	(constraine (constraine	,	0.000	.0036847	.0044104
1_4 2_4	0	(constraine (constraine	d)			
3_4 4_4	0 .0622077	.0028453	21.86	0.000	.056631	.0677844

- . /* compute the inv(B)*A matrix */
 . matrix A=e(A)
- . matrix B=e(B)
- . matrix BA = inv(B)*A
- . /* compute reduced form epsilon_t residuals */
 . var gprcn lpro ldem lrpo if Period>tm(2000m1)

Vector autoregression

Number of obs = 239
AIC = -17.19645
HQIC = -16.98544
SBIC = -16.6728 Sample: 2000m2 thru 2019m12 Log likelihood = 2090.976 FPE = 4.00e-13 Det(Sigma_ml) = 2.96e-13

Equation	Parms	RMSE	R-sq	chi2	P>chi2
gprcn	9	.16742	0.5224	261.3788	0.0000
lpro	9	.007868	0.9847	15341.54	0.0000
ldem	9	.005694	0.9984	149979.7	0.0000
lrpo	9	.080839	0.9591	5600.213	0.0000

	Coefficient	Std. err.	Z	P> z	[95% conf.	interval]
gprcn						
gprcn						
L1.	.4500914	.0620854	7.25	0.000	.3284062	.5717767
L2.	.1775588	.0620725	2.86	0.004	.0558989	.2992186
lpro						
L1.	-3.200558	1.372682	-2.33	0.020	-5.890966	5101505
L2.	3.960201	1.376321	2.88	0.004	1.262662	6.65774
ldem						
L1.	1.927062	1.823162	1.06	0.291	-1.646271	5.500395
L2.	-1.9184	1.801013	-1.07	0.287	-5.448321	1.611521
lrpo						
L1.	.1292757	.1330733	0.97	0.331	1315432	.3900947
L2.	1787356	.1316673	-1.36	0.175	4367988	.0793277
_cons	-2.978551	1.618397	-1.84	0.066	-6.15055	.1934488
lpro						
gprcn						
L1.	001069	.0029176	-0.37	0.714	0067874	.0046494
L2.	.0015092	.002917	0.52	0.605	004208	.0072264
lpro						
L1.	.9096059	.0645068	14.10	0.000	.7831748	1.036037
L2.	0128948	.0646778	-0.20	0.842	139661	.1138714
ldem						
L1.	.1828189	.0856764	2.13	0.033	.0148963	.3507415
L2.	1369852	.0846355	-1.62	0.106	3028678	.0288973

	1rpo						
	L1.	.007536	.0062536	1.21	0.228	0047207	.0197927
	L2.	0099852	.0061875	-1.61	0.107	0221124	.002142
	_cons	. 2389479	.0760538	3.14	0.002	.0898853	.3880106
ldem							
	gprcn						
	L1.	.0017658	.0021117	0.84	0.403	002373	.0059045
	L2.	000872	.0021112	-0.41	0.680	0050099	.0032659
	lpro						
	L1.	.0935613	.0466877	2.00	0.045	.002055	.1850676
	L2.	0741439	.0468115	-1.58	0.113	1658927	.017605
	ldem						
	L1.	1.16219	.0620095	18.74	0.000	1.040653	1.283726
	L2.	1734031	.0612562	-2.83	0.005	293463	0533433
	lrpo						
	L1.	.0231581	.0045261	5.12	0.000	.0142871	.0320291
	L2.	0232409	.0044783	-5.19	0.000	0320182	0144637
	_cons	0298126	.055045	-0.54	0.588	1376988	.0780736
lrpo							
	gprcn						
	L1.	.0054426	.0299781	0.18	0.856	0533135	.0641986
	L2.	0190787	.0299719	-0.64	0.524	0778225	.0396651
	1pro						
	L1.	6051497	.6628032	-0.91	0.361	-1.90422	.6939207
	L2.	.0453315	.6645601	0.07	0.946	-1.257182	1.347845
	ldem						
	L1.	2.463921	.8803188	2.80	0.005	.7385276	4.189314
	L2.	-2.17557	.869624	-2.50	0.012	-3.880002	4711387
	lrpo						
	L1.	1.177965	.0642548	18.33	0.000	1.052028	1.303902
	L2.	2313584	.0635759	-3.64	0.000	3559649	1067519
	_cons	1.239634	.7814471	1.59	0.113	291974	2.771243

[.] capture drop epsilon_*

[.] predict double epsilon_1 if Period>tm(2000m1),residual eq(#1)
(481 missing values generated)

[.] predict double epsilon_2 if Period>tm(2000m1),residual eq(#2) (481 missing values generated)

[.] predict double epsilon_3 if Period>tm(2000m1),residual eq(#3)
(481 missing values generated)

[.] predict double epsilon_4 if Period>tm(2000m1),residual eq(#4)
(481 missing values generated)

[.] /* store the epsilon* variables in the epsilon matrix */ $\,$

[.] mkmat epsilon_*, matrix(epsilon_)

```
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. 
 /* compute e_t matrix of structural shocks */  
. matrix e_ = (BA*epsilon_')'
. /* store columns of e as variables e1, e2, and e3 */
. svmat double e_
. label variable epsilon_1 "Reduced-form shocks - GPR"
. label variable e_1 "Structural shocks - GPR"
. twoway (tsline e_1 if Period>tm(2000m1)) (tsline epsilon_1 ///
> if Period>tm(2000m1), yaxis(1)), ///
> name(G3, replace) legend(position(6)) graphregion(margin(r+5))
. graph export "G3.svg", as(svg) replace
file G3.svg saved as SVG format
. graph export "G3.png", as(png) width(4000) replace
file G3.png saved as PNG format
. graph export "G3.pdf", as(pdf) replace
file G3.pdf saved as PDF format
. irf set comparemodels1.irf, replace
(file comparemodels1.irf created)
(file comparemodels1.irf now active)
. quietly lpirf lpro ldem lrpo, step(48) lags(1/24) ///
> exog(L(0/24).e_1) vce(robust)
. irf create lpmodel1
(file comparemodels1.irf updated)
. quietly var lpro ldem lrpo, lags(1/24)
                                                       ///
   exog(L(0/24).e_1)
. irf create varmodel1, step(48)
(file comparemodels1.irf updated)
. irf graph dm, impulse(e_1) response(lrpo) ///
> irf(lpmodel1 varmodel1) level(95) name(G4, replace) ///
      xline(0 10 20 30 40 50, lcolor(blue)) yline(-.05 0 .05 .1, lcolor(blue))
. graph export "G4.svg", replace
file G4.svg saved as SVG format
. graph export "G4.png", as(png) width(4000) replace file {\bf G4.png} saved as PNG format
. graph export "G4.pdf", as(pdf) replace file G4.pdf saved as PDF format
. twoway (tsline e1 if Period>tm(2000m1)) (tsline e_1 ///
> if Period>tm(2000m1), yaxis(1)), ///
> name(G5, replace) legend(position(6)) graphregion(margin(r+5))
```

. graph export "G5.svg", replace file G5.svg saved as SVG format

. graph export "G5.png", as(png) width(4000) replace file ${\bf G5.png}$ saved as PNG format

. graph export "G5.pdf", as(pdf) replace
file G5.pdf saved as PDF format

. pwcorr lrpo e1 e_1, obs sig listwise star(5) sidak

	lrpo	e1	e_1
lrpo	1.0000		
	239		
e1	-0.0304 0.9536 239	1.0000 239	
e_1	-0.0073 0.9993 239	0.0693 0.6364 239	1.0000 239
	l		

. twoway (scatter lrpo e1) (lfit lrpo e1), name(G6, replace)

. graph export "G6.svg", replace file **G6.svg** saved as SVG format

. graph export "G6.png", as(png) width(4000) replace file ${\bf G6.png}$ saved as PNG format

. graph export "G6.pdf", as(pdf) replace file ${\bf G6.pdf}$ saved as PDF format

. twoway (scatter lrpo e_1) (lfit lrpo e_1), name(G7, replace)

. graph export "G7.svg", replace file **G7.svg** saved as SVG format

. graph export "G7.png", as(png) width(4000) replace file ${\bf G7.png}$ saved as PNG format

. graph export "G7.pdf", as(pdf) replace
file G7.pdf saved as PDF format

. save lpirf_PRI_GPR, replace file lpirf_PRI_GPR.dta saved

.

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- . matrix A = (1,0,0,0,.,1,0,0,.,.,1,0,.,.,1)
- . matlist A

	c1	c2	c3	c4
r1	1	0	0	0
r2		1	0	0
r3		•	1	0
r4		•		1

. matlist B

	c1	c2	c3	c4
r1	•			
r2	0			
r3	0	0		
r4	0	0	0	

. svar lpri lpro ligrea lrpo if Period>tm(2000m1), aeq(A) beq(B) /// > lags(1/24)

Estimating short-run parameters

Iteration 0: Log likelihood = -1291.7798 Iteration 1: Log likelihood = -161.03225 Iteration 2: Log likelihood = 92.968259
Iteration 3: Log likelihood = 659.74678
Iteration 4: Log likelihood = 724.00374 Iteration 5: Log likelihood = 724.00374
Iteration 5: Log likelihood = 903.35393
Iteration 6: Log likelihood = 1123.45
Iteration 7: Log likelihood = 1140.2874
Iteration 9: Log likelihood = 1141.2566
Iteration 10: Log likelihood = 1141.2566 Iteration 10: Log likelihood = 1141.2566

Structural vector autoregression

- $(1) [/A]1_1 = 1$
- $(2) [/A]1_2 = 0$
- $(3) [/A]1_3 = 0$
- $[/A]1_4 = 0$ (4)
- $(5) [/A]2_2 = 1$
- (6) $[/A]2_3 = 0$
- (7) $[/A]_{2_4} = 0$ (8) $[/A]_{3_3} = 1$
- $(9) [/A]3_4 = 0$
- (10) $[/A]4_4 = 1$ (11) $[/B]1_2 = 0$
- $(12) [/B]1_3 = 0$
- (13) [/B]1_4 = 0 (14) [/B]2_1 = 0
- $(15) [/B]2_3 = 0$
- $(16) [/B]2_4 = 0$
- (17) [/B]3_1 = 0 (18) [/B]3_2 = 0
- $(19) [/B]3_4 = 0$
- $(20) [/B]4_1 = 0$ (21) $[/B]4_2 = 0$
- $(22) [/B]4_3 = 0$

Sample: 2000m2 thru 2019m12 Exactly identified model

Number of obs 239 Log likelihood = 1141.257

		Coefficient	Std. err.	z	P> z	[95% conf.	interval]
/A							
	1_1	1	(constrained))			
	2_1	0118214	.0040088	-2.95	0.003	0196785	0039643
	3_1	3751618	.8868091	-0.42	0.672	-2.113276	1.362952
	4_1	.097546	.0481201	2.03	0.043	.0032322	.1918597
	1_2	0	(constrained))			
	2_2	1	(constrained))			
	3_2	14.41956	14.05586	1.03	0.305	-13.12942	41.96853
	4_2	1.104209	.7640921	1.45	0.148	3933836	2.601802
	1_3	0	(constrained))			
	2_3	0	(constrained))			
	3_3	1	(constrained))			
	4_3	0052758	.0035086	-1.50	0.133	0121525	.001601
	1_4	0	(constrained))			
	2_4	0	(constrained))			
	3_4	0	(constrained))			
	4_4	1	(constrained))			
/B							
	1_1	.0829924	.003796	21.86	0.000	.0755524	.0904324
	2_1	0	(constrained))			
	3_1	0	(constrained)			
	4 1	0	(constrained)			
	1_2	0	(constrained)			
	1_2 2_2 3_2 4_2 1_3	.0051434	.0002353	21.86	0.000	.0046823	.0056045
	3 2	0	(constrained))			
	4_2	0	(constrained)			
	1_3	0	(constrained)			
	2_3	0	(constrained)			
	3_3	1.117653	.0511203	21.86	0.000	1.017459	1.217847
	4 <u>_</u> 3	0	(constrained))			
	1_4	0	(constrained)			
	2_4	0	(constrained)			
	3_4	0	(constrained				
	4_4	.0606235	.0027729	21.86	0.000	.0551888	.0660582

- . /* compute the inv(B)*A matrix */
 . matrix A=e(A)
- . matrix B=e(B)
- . matrix BA = inv(B)*A
- . /* compute reduced form epsilon_t residuals */ . var lpri lpro ligrea lrpo if Period>tm(2000m1)

Vector autoregression

Sample: 2000m2	thr	u 2019m12	Number of obs	=	239
Log likelihood	=	848.3584	AIC	=	-6.797979
FPE	=	1.31e-08	HQIC	=	-6.586961
<pre>Det(Sigma_ml)</pre>	=	9.70e-09	SBIC	=	-6.274327

Equation	Parms	RMSE	R-sq	chi2	P>chi2
lpri	9	.114594	0.9830	13804.51	0.0000
lpro	9	.008001	0.9841	14825.52	0.0000
ligrea	9	1.47542	0.8577	1440.013	0.0000
lrpo	9	.081359	0.9585	5525.825	0.0000

	Coefficient	Std. err.	Z	P> z	[95% conf	. interval]
lpri						
lpri						
L1.	1.031543	.065542	15.74	0.000	.9030827	1.160003
L2.	0488196	.0655629	-0.74	0.456	1773204	.0796813
lpro						
L1.	543099	.9221104	-0.59	0.556	-2.350402	1.264204
L2.	.0585194	.9262575	0.06	0.950	-1.756912	1.873951
ligrea						
L1.	001409	.0050594	-0.28	0.781	0113253	.0085073
L2.	.001189	.0050561	0.24	0.814	0087207	.0110988
lrpo						
L1.	.0609772	.0891623	0.68	0.494	1137777	. 2357321
L2.	0005068	.0894578	-0.01	0.995	1758408	.1748272
_cons	1.890857	.6390209	2.96	0.003	.6383992	3.143315
lpro						
lpri						
Ĺ1.	.004347	.0045763	0.95	0.342	0046224	.0133163
L2.	0048775	.0045777	-1.07	0.287	0138496	.0040947
lpro						
L1.	.9592392	.0643836	14.90	0.000	.8330497	1.085429
L2.	.0331146	.0646732	0.51	0.609	0936425	.1598716
1:						
ligrea		0003533	1 45	0 146	0001700	0012050
L1. L2.	.0005136	.0003533	1.45 -1.11	0.146 0.268	0001788 0010834	.0012059
LZ.	0003914	.000353	-1.11	0.208	0010834	.0003005
lrpo						
L1.	.0126148	.0062255	2.03	0.043	.000413	.0248165
L2.	0116823	.0062461	-1.87	0.061	0239245	.0005599
_cons	.0311188	.0446177	0.70	0.486	0563304	.1185679
ligrea						
lpri						
L1.	1.191882	.8438633	1.41	0.158	4620597	2.845824
L2.	-1.205254	.8441316	-1.43	0.153	-2.859722	.4492131
lpro						
L1.	-9.122932	11.87231	-0.77	0.442	-32.39223	14.14637
L2.	6.247787	11.9257	0.52	0.600	-17.12616	29.62174
ligrea						
L1.	.8977231	.0651407	13.78	0.000	.7700496	1.025396
L2.	.0026164	.065098	0.04	0.968	1249734	.1302061
lrpo						
L1.	1.486564	1.147978	1.29	0.195	7634315	3.73656
L2.	-1.511413	1.151782	-1.31	0.189	-3.768865	.7460383
_cons	12.52106	8.227491	1.52	0.128	-3.604523	28.64665
lrpo						
lpri		0465334	^ 	0 454	4000004	0551000
L1.	035083	.0465331	-0.75	0.451	1262861	.0561202
L2.	.0464267	.0465479	1.00	0.319	0448055	.1376588
lpro	1					
L1.	0006364	.6546737	-0.00	0.999	-1.283773	1.2825
L2.	.1314577	.657618	0.20	0.842	-1.15745	1.420365
ligrea						
Ľ1.	.0049832	.003592	1.39	0.165	0020571	.0120235
L2.	001918	.0035897	-0.53	0.593	0089536	.0051177

```
lrpo
          1.204628
                     .0633029
                                 19.03
                                          0.000
                                                    1.080557
  L1.
                                                                1.328699
                     .0635126
                                          0.000
                                                   -.3833308
  L2.
         -.2588484
                                  -4.08
                                                                -.1343659
         -.3904982
                    .4536877
                                  -0.86
                                          0.389
                                                    -1,27971
                                                                 .4987134
_cons
```

```
. capture drop upsilon*
. predict double upsilon1 if Period>tm(2000m1),residual eq(#1)
(481 missing values generated)
 predict double upsilon2 if Period>tm(2000m1),residual eq(#2)
(481 missing values generated)
. predict double upsilon3 if Period>tm(2000m1),residual eq(#3)
(481 missing values generated)
. predict double upsilon4 if Period>tm(2000m1),residual eq(#4)
(481 missing values generated)
. /* store the epsilon* variables in the epsilon matrix */
. mkmat upsilon*, matrix(upsilon)
. /* compute e_t matrix of structural shocks */
. matrix u = (BA*upsilon')'
. /* store columns of e as variables e1, e2, and e3 */
. svmat double u
. label variable upsilon1 "Reduced-form shocks - PRI (Robustness)"
. label variable u1 "Structural shocks - PRI (Robustness)"
. twoway (tsline u1 if Period>tm(2000m1)) (tsline upsilon1 ///
> if Period>tm(2000m1), yaxis(1)), ///
> name(G1R, replace) legend(position(6)) graphregion(margin(r+5))
. graph export "G1R.svg", replace
file G1R.svg saved as SVG format
. graph export "G1R.png", as(png) width(4000) replace
file G1R.png saved as PNG format
. graph export "G1R.pdf", as(pdf) replace
file G1R.pdf saved as PDF format
. irf set comparemodels.irf, replace
(file comparemodels.irf created)
(file comparemodels.irf now active)
. quietly lpirf lpro ligrea lrpo, step(48) lags(1/24) ///
    exog(L(0/24).u1) vce(robust)
. irf create lpmodel
(file comparemodels.irf updated)
```

```
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. quietly var lpro ligrea lrpo, lags(1/24)
                                                 ///
   exog(L(0/24).u1)
. irf create varmodel, step(48)
(file comparemodels.irf updated)
. irf graph dm, impulse(u1) response(lrpo) ///
   irf(lpmodel varmodel) level(95) name(G2R, replace) ///
     xline(0 10 20 30 40 50, lcolor(blue)) yline(-.05 0 .05 .1, lcolor(blue))
. graph export "G2R.svg", replace
file G2R.svg saved as SVG format
. graph export "G2R.png", as(png) width(4000) replace
file G2R.png saved as PNG format
. graph export "G2R.pdf", as(pdf) replace
file G2R.pdf saved as PDF format
. /* GPR */
. matrix A = (1,0,0,0 \setminus .,1,0,0 \setminus .,.,1,0 \setminus .,.,1)
. matlist A
                                c2
                                           с3
                                                      c4
                                                       0
         r1
                      1
                                 0
                                            0
         r2
                                 1
                                            0
                                                       0
         r3
                                            1
                                                       0
         r4
. matlist B
                     c1
                                c2
                                           с3
                                                      с4
         r1
         r2
                      0
         r3
                      0
                                 0
                                            0
. svar gprcn lpro ligrea lrpo if Period>tm(2000m1), aeq(A) beq(B) ///
> lags(1/24)
Estimating short-run parameters
Iteration 0: Log likelihood = -1294.2116
Iteration 1: Log likelihood = -484.18673
             Log likelihood = -404.56558
Iteration 2:
             Log likelihood = -194.34599
Iteration 3:
Iteration 4: Log likelihood = 187.25055
Iteration 5:
             Log likelihood =
                               588.0996
             Log likelihood = 855.64494
Iteration 6:
Iteration 7: Log likelihood =
                               987.12974
Iteration 8:
             Log likelihood =
                               1005.7811
Iteration 9:
             Log likelihood =
                               1006.5395
Iteration 10: Log likelihood = 1006.5401
Iteration 11: Log likelihood = 1006.5401
Structural vector autoregression
```

(1) [/A]1_1 = 1 (2) [/A]1_2 = 0 (3) [/A]1_3 = 0 (4) [/A]1_4 = 0 (5) [/A]2_2 = 1 (6) [/A]2_3 = 0 (7) [/A]2_4 = 0 (8) [/A]3_3 = 1 (9) [/A]3_4 = 0 (10) [/A]4_4 = 1 (11) [/B]1_2 = 0 (12) [/B]1_3 = 0 (13) [/B]1_4 = 0 (14) [/B]2_1 = 0 (15) [/B]2_3 = 0 (16) [/B]2_4 = 0 (17) [/B]3_1 = 0 (18) [/B]3_1 = 0 (18) [/B]3_2 = 0 (19) [/B]3_4 = 0 (20) [/B]4_1 = 0 (21) [/B]4_2 = 0 (22) [/B]4_3 = 0

Sample: 2000m2 thru 2019m12 Number of obs = 239 Exactly identified model Log likelihood = 1006.54

		Coefficient	Std. err.	Z	P> z	[95% conf.	interval]
/A							
	1_1	1	(constrained	i)			
	2_1	0079562	.0026317	-3.02	0.003	0131142	0027981
	3_1	3761626	.5528259	-0.68	0.496	-1.459681	.7073563
	4_1	.0054321	.0317605	0.17	0.864	0568173	.0676815
	1_2	0	(constrained	1)			
	2_2 3_2 4_2 1_3 2_3	1	(constrained	1)			
	3_2	9.810127	13.33532	0.74	0.462	-16.32662	35.94688
	4_2	1.196497	.7662548	1.56	0.118	3053345	2.698329
	1_3	0	(constrained	d)			
	2_3	0	(constrained	1)			
	3_3	1	(constrained	d)			
	4_3	0038824	.0037126	-1.05	0.296	011159	.0033942
	1_4	0	(constrained	i)			
	2_4	0	(constrained	1)			
	3_4	0	(constrained	1)			
	4_4	1	(constrained	1)			
/B							
	1_1	.1326207	.0060659	21.86	0.000	.1207317	.1445097
	2_1	0	(constrained	i)			
	3_1	0	(constrained	i)			
	4_1	0	(constrained	i)			
	1_2	0	(constrained	i)			
	2_2	.0053957	.0002468	21.86	0.000	.004912	.0058794
	3_2	0	(constrained	i)			
	4_2	0	(constrained	i)			
	1_3	0	(constrained	i)			
	2_3	0	(constrained	i)			
	3_3	1.11237	.0508786	21.86	0.000	1.01265	1.21209
	4_3	0	(constrained	i)			
	1_4	0	(constrained				
	2_4	0	(constrained	,			
	3_4	0	(constrained	i)			
	4 4	.0638452	.0029202	21.86	0.000	.0581216	.0695687

. /* compute the inv(B)*A matrix */
. matrix A=e(A)

- . matrix B=e(B)
- . matrix BA = inv(B)*A
- . /* compute reduced form epsilon_t residuals */
 . var gprcn lpro ligrea lrpo if Period>tm(2000m1)

Vector autoregression

Sample: 2000m2 Log likelihood FPE Det(Sigma_m1)	=	u 2019m12 752.5675 2.92e-08 2.16e-08			Number of AIC HQIC SBIC	f obs	= = =	239 -5.996381 -5.785364 -5.47273
Equation		Parms	RMSE	R-sq	chi2	P>chi2		
gprcn lpro ligrea lrpo		9 9 9 9	.167708 .008019 1.47327 .08174	0.5207 0.9841 0.8581 0.9582	259.6591 14758.78 1444.922 5472.14	0.0000 0.0000 0.0000 0.0000		

	Coefficient	Std. err.	z	P> z	[95% conf	interval]
	COETTICIENT	J. C. C. T		17 2		
gprcn						
gprcn	4443770	0500045		0.000	2224256	=
L1.	.4443778	.0622216	7.14	0.000	.3224256	.56633
L2.	.1782056	.0623994	2.86	0.004	.0559051	.3005062
lpro						
L1.	-3.018679	1.338652	-2.26	0.024	-5.642388	3949694
L2.	3.850703	1.339876	2.87	0.004	1.224594	6.476811
ligrea						
L1.	.0023119	.0074545	0.31	0.756	0122986	.0169225
L2.	0005368	.0073999	-0.07	0.942	0150402	.0139667
less						
lrpo	4533403	4202444	4 40	0 226	4002220	4066603
L1.	.1532182	.1293141	1.18	0.236	1002328	.4066692
L2.	2082281	.1283588	-1.62	0.105	4598068	.0433506
_cons	-3.226462	.9841889	-3.28	0.001	-5.155436	-1.297487
lpro						
gprcn						
L1.	0013264	.0029751	-0.45	0.656	0071576	.0045047
L2.	.0018845	.0029836	0.63	0.528	0039633	.0077323
lpro						
L1.	.9722475	.0640079	15.19	0.000	.8467943	1.097701
L2.	.0205195	.0640664	0.32	0.749	1050484	.1460874
LZ.	.0203133	.0040004	0.32	0.743	1030484	.1400074
ligrea						
L1.	.0005198	.0003564	1.46	0.145	0001788	.0012184
L2.	0003937	.0003538	-1.11	0.266	0010872	.0002998
lrpo						
L1.	.0116968	.0061832	1.89	0.059	000422	.0238156
L2.	0112313	.0061375	-1.83	0.067	0232606	.000798
_cons	.0303798	.0470592	0.65	0.519	0618545	.1226141
ligrea						
gprcn						
L1.	.639055	.5465994	1.17	0.242	4322601	1.71037
L1.	.1964158	.5481607	0.36	0.720	8779594	1.270791
LZ.	.1,041,0	. 5-0100/	0.50	0.720	.0,,,,,,,	1.2/0/91
lpro						

	L1.	-7.986964	11.75967	-0.68	0.497	-31.0355	15.06157
	L2.	2.842411	11.77043	0.24	0.809	-20.2272	25.91203
	ligrea						
	L1.	.8883138	.0654857	13.56	0.000	.7599641	1.016664
	L2.	.0047228	.0650056	0.07	0.942	1226859	.1321315
	_						
	lrpo						
	L1.	1.304938	1.135987	1.15	0.251	9215566	3.531432
	L2.	-1.189063	1.127596	-1.05	0.292	-3.39911	1.020984
		24 442	0.645040	2 40	0.040	4 40654	20 20740
	_cons	21.442	8.645818	2.48	0.013	4.49651	38.38749
lrpo							
•	gprcn						
	L1.	0010515	.0303266	-0.03	0.972	0604906	.0583877
	L2.	0183931	.0304133	-0.60	0.545	078002	.0412158
	lpro						
	L1.	1172443	.6524548	-0.18	0.857	-1.396032	1.161544
	L2.	.2327742	.6530515	0.36	0.722	-1.047183	1.512732
	ligrea						
	L1.	.005088	.0036333	1.40	0.161	0020331	.0122092
	L2.	0020696	.0036067	-0.57	0.566	0091385	.0049993
	-						
	lrpo						
	L1.	1.214098	.0630273	19.26	0.000	1.090566	1.337629
	L2.	2573826	.0625617	-4.11	0.000	3800013	134764
	conc	3469605	.4796906	-0.72	0.469	-1.287137	.5932159
	_cons	3469605	.4/96906	-0.72	0.469	-1.28/13/	.5932159

```
. capture drop epsilon_*
```

[.] predict double upsilon_1 if Period>tm(2000m1),residual eq(#1)
(481 missing values generated)

[.] predict double upsilon_2 if Period>tm(2000m1),residual eq(#2)
(481 missing values generated)

[.] predict double upsilon_3 if Period>tm(2000m1),residual eq(#3)
(481 missing values generated)

[.] predict double upsilon_4 if Period>tm(2000m1),residual eq(#4)
(481 missing values generated)

[.] /* store the epsilon* variables in the epsilon matrix */ $\,$

[.] mkmat upsilon_*, matrix(upsilon_)

^{. /*} compute e_t matrix of structural shocks */

[.] matrix u_ = (BA*upsilon_')'

[.] /* store columns of e as variables e1, e2, and e3 */

[.] svmat double u_

[.] label variable upsilon_1 "Reduced-form shocks - GPR (Robustness)"

[.] label variable u $_1$ "Structural shocks - GPR (Robustness)"

```
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. twoway (tsline u_1 if Period>tm(2000m1)) (tsline upsilon_1 ///
> if Period>tm(2000m1), yaxis(1)), ///
> name(G3R, replace) legend(position(6)) graphregion(margin(r+5))
. graph export "G3R.svg", as(svg) replace
file G3R.svg saved as SVG format
. graph export "G3R.png", as(png) width(4000) replace
file G3R.png saved as PNG format
. graph export "G3R.pdf", as(pdf) replace
file G3R.pdf saved as PDF format
. irf set comparemodels1.irf, replace
(file comparemodels1.irf created)
(file comparemodels1.irf now active)
. quietly lpirf lpro ligrea lrpo, step(48) lags(1/24) ///
    exog(L(0/24).u_1) vce(robust)
. irf create lpmodel1
(file comparemodels1.irf updated)
                                                    ///
. quietly var lpro ligrea lrpo, lags(1/24)
   exog(L(0/24).u_1)
. irf create varmodel1, step(48)
(file comparemodels1.irf updated)
. irf graph dm, impulse(u_1) response(lrpo) ///
    irf(lpmodel1 varmodel1) level(95) name(G4R, replace) ///
      xline(0 10 20 30 40 50, lcolor(blue)) yline(-.05 0 .05 .1, lcolor(blue))
. graph export "G4R.svg", replace
file G4R.svg saved as SVG format
. graph export "G4R.png", as(png) width(4000) replace
file G4R.png saved as PNG format
. graph export "G4R.pdf", as(pdf) replace file {\bf G4R.pdf} saved as PDF format
. twoway (tsline u1 if Period>tm(2000m1)) (tsline u_1 ///
> if Period>tm(2000m1), yaxis(1)), ///
> name(G5R, replace) legend(position(6)) graphregion(margin(r+5))
. graph export "G5R.svg", replace
file G5R.svg saved as SVG format
. graph export "G5R.png", as(png) width(4000) replace
file G5R.png saved as PNG format
. graph export "G5R.pdf", as(pdf) replace
file G5R.pdf saved as PDF format
```

. pwcorr lrpo u1 u_1, obs sig listwise star(5) sidak

	lrpo	u1	u_1
lrpo	1.0000		
	239		
u1	-0.0268 0.9674 239	1.0000 239	
u_1	-0.0059 0.9996 239	0.0809 0.5123 239	1.0000 239

```
. twoway (scatter lrpo u1) (lfit lrpo u1), name(G6R, replace)
```

. graph export "G6R.svg", replace file G6R.svg saved as SVG format

. graph export "GGR.png", as(png) width(4000) replace file ${\it GGR.png}$ saved as PNG format

. graph export "GGR.pdf", as(pdf) replace file $\mathbf{GGR.pdf}$ saved as PDF format

. twoway (scatter lrpo u_1) (lfit lrpo u_1), name(G7R, replace)

. graph export "G7R.svg", replace file G7R.svg saved as SVG format

. graph export "G7R.png", as(png) width(4000) replace file ${\bf G7R.png}$ saved as PNG format

. graph export "G7R.pdf", as(pdf) replace
file G7R.pdf saved as PDF format

. **#******** Expectations ******************

. use database_pri_gpr.dta, clear

. merge 1:1 Period using expectations

Result	Number of obs	
Not matched	55	
from master from using		(_merge==1) (_merge==2)
Matched	708	(_merge==3)

. drop _merge

. // PRI ----> Expectations

. graph drop _all

. sum BCI CLI CCI lpri

Variable	0bs	Mean	Std. dev.	Min	Max
BCI	571	99.93125	1.065472	95.06452	101.863
CLI	751	100.2146	1.345907	89.72672	104.628
CCI	607	99.98832	1.177633	95.47003	101.9302
lpri	720	305086	1.281585	-2.174752	1.458615

. tvgc CCI lpri, trend window(80) sizecontrol(60) p(2) ///

> notitle

Time-varying LA-VAR Granger causality test including trend, 1973m1 - 2019m12

TVGC robust test statistics for H0: CCI is GC

	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive
lpri	26.479	54.477	55.587

90th percentile of test statistics [499 replications]

	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive
lpri	5.993	5.957	6.646

95th percentile of test statistics [499 replications]

	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive
lpri	7.781	7.628	8.686

99th percentile of test statistics [499 replications]

	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive
lpri	13.040	12.582	13.507

. tvgc BCI lpri, trend window(80) sizecontrol(60) p(2) //

- > d(1) seed(123) boot(499) robust prefix(BCI) graph pdf //
- > notitle

Time-varying LA-VAR Granger causality test including trend, 1975m12 - 2019m12

TVGC robust test statistics for H0: BCI is GC

	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive
lpri	10.515	11.731	13.227

90th percentile of test statistics [499 replications]

	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive
lpri	4.837	5.477	6.138

95th percentile of test statistics [499 replications]

		Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive
-	lpri	6.428	7.335	7.605

99th percentile of test statistics [499 replications]

> d(1) seed(123) boot(499) robust prefix(CCI) graph pdf //,

	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive		
lpri	11.711	12.380	12.440		
<pre> tvgc CLI lpri, trend window(80) sizecontrol(60) p(2) /// > d(1) seed(123) boot(499) robust prefix(CLI) graph pdf /// > notitle</pre>					
Time-varying I	_A-VAR Granger causal:	ity test including t	rend, 1961m1 - 2019m12		
TVGC robust to	est statistics for H0	: CLI is GC			
	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive		
lpri	12.812	33.829	39.248		
90th percentil	le of test statistics	[499 replications]			
	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive		
lpri	6.016	6.285	6.863		
95th percenti	le of test statistics	[499 replications]			
	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive		
lpri	7.582	8.352	8.953		
99th percenti	le of test statistics	[499 replications]			
	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive		
lpri	10.712	11.926	12.600		
// GPRCN sum BCI CLI	> Expectations				
Variable	Obs Me	ean Std. dev.	Min Max		
BCI CLI CCI gprcn	571 99.93: 751 100.2: 607 99.98: 420 .3757:	146 1.345907 89 332 1.177633 95	5.06452 101.863 9.72672 104.628 5.47003 101.9302 .07034 1.521136		
	rcn, trend window(80) 123) boot(499) robust				
Time-varying	_A-VAR Granger causal:	ity test including t	rend, 1985m1 - 2019m12		
TVGC robust to	est statistics for H0	: CCI is GC			
	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive		
gprcn	7.674	10.965	14.298		
90th percentil	le of test statistics	[499 replications]			
	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive		
gprcn	6.100	6.586	7.129		
95th percenti	le of test statistics	[499 replications]			
	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive		
gprcn	7.759	8.104	8.696		

99th percentile of test statistics [499 replications]

	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive
gprcn	11.653	11.794	12.486

. tvgc BCI gprcn, trend window(80) sizecontrol(40) p(2) ///
> d(1) seed(123) boot(499) robust prefix(BCI) graph pdf ///
> notitle

Time-varying LA-VAR Granger causality test including trend, 1985m1 - 2019m12

TVGC robust test statistics for H0: BCI is GC

	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive
gprcn	10.214	9.963	13.562

90th percentile of test statistics [499 replications]

	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive
gprcn	5.907	6.330	6.566

95th percentile of test statistics [499 replications]

	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive
gprcn	7.163	7.735	8.200

99th percentile of test statistics [499 replications]

	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive
gprcn	9.336	9.875	10.775

Time-varying LA-VAR Granger causality test including trend, 1985m1 - 2019m12

TVGC robust test statistics for H0: CLI is GC

		Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive
	gprcn	19.021	18.997	30.649
0011				

90th percentile of test statistics [499 replications]

	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive
gprcn	6.155	6.423	6.630

95th percentile of test statistics [499 replications]

	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive
gprcn	7.574	7.972	8.116

99th percentile of test statistics [499 replications]

	Max_Wald_forward	Max_Wald_rolling	Max_Wald_recursive
gprcn	11.559	11.553	11.856

```
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```

. save database_pri_gpr_final.dta, replace
file database_pri_gpr_final.dta saved

. log close _all
 name: <unnamed>
 log: C:\Users\jamel\Dropbox\latex\PROJECTS\23-05-geopolitical-risk-pol-tension-oil-price\Data and command\Colog type: smcl
 closed on: 13 Jul 2025, 15:30:37