

LAMPIRAN

Uji Stasioneritas

Null Hypothesis: Unit root (individual unit root process)
 Series: X2
 Date: 11/15/24 Time: 14:38
 Sample: 1994 2023
 Exogenous variables: Individual effects
 User-specified lags: 1
 Total (balanced) observations: 112
 Cross-sections included: 4

Method	Statistic	Prob.**
ADF - Fisher Chi-square	14.4498	0.0708
ADF - Choi Z-stat	-0.93392	0.1752

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Null Hypothesis: Unit root (individual unit root process)
 Series: X4
 Date: 11/15/24 Time: 14:38
 Sample: 1994 2023
 Exogenous variables: Unit root (individual unit root process)
 User-specified lags: 1
 Total (balanced) observations: 108
 Cross-sections included: 4

Method	Statistic	Prob.**
ADF - Fisher Chi-square	32.9307	0.0001
ADF - Choi Z-stat	-4.24000	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.
 Sample: 1994 2023
 Exogenous variables: Individual effects
 User-specified lags: 1
 Total (balanced) observations: 108
 Cross-sections included: 4

Method	Statistic	Prob.**
ADF - Fisher Chi-square	26.8540	0.0007
ADF - Choi Z-stat	-3.56203	0.0002

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Uji Lag Optimal

Null Hypothesis: Unit root (individual unit root process)
 Series: X3
 Date: 11/15/24 Time: 14:38
 Sample: 1994 2023
 Exogenous variables: Individual effects
 User-specified lags: 1
 Total (balanced) observations: 112
 Cross-sections included: 4

Method	Statistic	Prob.**
ADF - Fisher Chi-square	23.2347	0.0031
ADF - Choi Z-stat	-3.17581	0.0007

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Null Hypothesis: Unit root (individual unit root process)
 Series: D(X4)
 Date: 11/15/24 Time: 14:41
 Sample: 1994 2023
 Exogenous variables: Individual effects
 User-specified lags: 1
 Total (balanced) observations: 108
 Cross-sections included: 4

Method	Statistic	Prob.**
ADF - Fisher Chi-square	78.9076	0.0000
ADF - Choi Z-stat	-7.74848	0.0000

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.
 Sample: 1994 2023
 Exogenous variables: Individual effects
 User-specified lags: 1
 Total (balanced) observations: 108
 Cross-sections included: 4

Method	Statistic	Prob.**
ADF - Fisher Chi-square	25.6232	0.0012
ADF - Choi Z-stat	-3.47490	0.0003

** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

Null Hypothesis: Unit root (individual unit root process)
 Series: D(X1)
 Date: 11/15/24 Time: 14:39
 Sample: 1994 2023
 Exogenous variables: Individual effects
 User-specified lags: 1
 Total (balanced) observations: 108
 Cross-sections included: 4

Method	Statistic	Prob.**
ADF - Fisher Chi-square	65.8855	0.0000
ADF - Choi Z-stat	-6.77800	0.0000

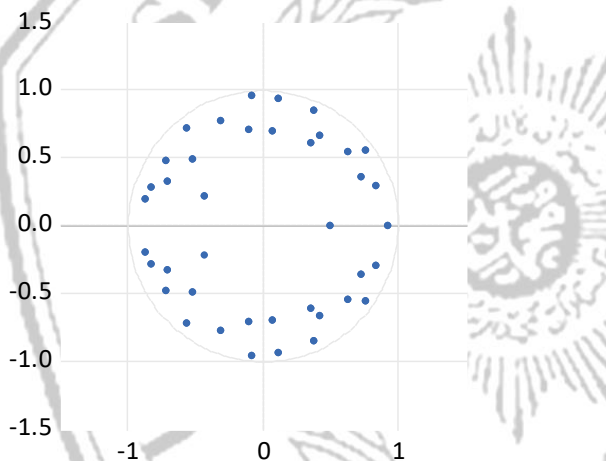
** Probabilities for Fisher tests are computed using an asymptotic Chi-square distribution. All other tests assume asymptotic normality.

VAR Lag Order Selection Criteria
 Endogenous variables: D(Y) D(X1) D(X2) D(X3) D(X4)
 Exogenous variables: C
 Date: 11/15/24 Time: 14:41
 Sample: 1994 2023
 Included observations: 84

Lag	LogL	LR	FPE	AIC	SC	HQ
0	-1913.848	NA	4.78e+13	45.68685	45.83154	45.74501
1	-1852.370	114.1736	2.01e+13	44.81832	45.68647*	45.16731*
2	-1828.031	42.30273	2.05e+13	44.83407	46.42568	45.47388
3	-1795.460	52.73421	1.74e+13	44.65381	46.96887	45.58444
4	-1776.811	27.97321	2.09e+13	44.80502	47.84355	46.02648
5	-1740.405	50.27522*	1.67e+13*	44.53345	48.29543	46.04573
6	-1721.235	24.19003	2.08e+13	44.67227	49.15771	46.47538
7	-1698.129	26.40685	2.44e+13	44.71737	49.92626	46.81130
8	-1665.076	33.84004	2.36e+13	44.52563*	50.45798	46.91038

Uji Stabilitas Lag Optimal

Inverse Roots of AR Characteristic Polynomial



Root	Modulus
-0.084057 - 0.957508i	0.961191
-0.084057 + 0.957508i	0.961191
0.116173 + 0.939190i	0.946348
0.116173 - 0.939190i	0.946348
0.764606 + 0.552730i	0.943469
0.764606 - 0.552730i	0.943469
0.374265 + 0.856162i	0.934392
0.374265 - 0.856162i	0.934392
0.919711	0.919711
-0.559351 - 0.719646i	0.911463
-0.559351 + 0.719646i	0.911463
-0.868262 - 0.191749i	0.889183
-0.868262 + 0.191749i	0.889183
0.837333 + 0.289337i	0.885914
0.837333 - 0.289337i	0.885914
-0.825677 - 0.283075i	0.872854
-0.825677 + 0.283075i	0.872854
-0.720434 - 0.478771i	0.865013
-0.720434 + 0.478771i	0.865013
-0.312969 - 0.776015i	0.836749
-0.312969 + 0.776015i	0.836749
0.631055 + 0.547940i	0.835744
0.631055 - 0.547940i	0.835744
0.730716 + 0.355352i	0.812540
0.730716 - 0.355352i	0.812540
0.418012 - 0.666058i	0.786363
0.418012 + 0.666058i	0.786363
-0.702895 + 0.330888i	0.776884
-0.702895 - 0.330888i	0.776884
-0.517342 + 0.493428i	0.714923
-0.517342 - 0.493428i	0.714923
-0.104745 + 0.704887i	0.712627
-0.104745 - 0.704887i	0.712627
0.356691 - 0.606841i	0.703907
0.356691 + 0.606841i	0.703907
0.068925 + 0.695069i	0.698478
0.068925 - 0.695069i	0.698478
0.503031	0.503031
-0.428209 + 0.219411i	0.481149
-0.428209 - 0.219411i	0.481149

Uji Kointegrasi

No root lies outside the unit circle.
 VAR satisfies the stability condition.

Unrestricted Cointegration Rank Test (Trace)

Hypothesized No. of CE(s)	Eigenvalue	Trace Statistic	0.05 Critical Value	Prob.**
None *	0.529074	158.2263	69.81889	0.0000
At most 1 *	0.474146	97.98205	47.85613	0.0000
At most 2 *	0.305968	46.56348	29.79707	0.0003
At most 3 *	0.112223	17.34446	15.49471	0.0260
At most 4 *	0.093143	7.821657	3.841465	0.0052

Trace test indicates 5 cointegrating eqn(s) at the 0.05 level

* denotes rejection of the hypothesis at the 0.05 level

**MacKinnon-Haug-Michelis (1999) p-values

Estimasi Vecm Jangka Panjang

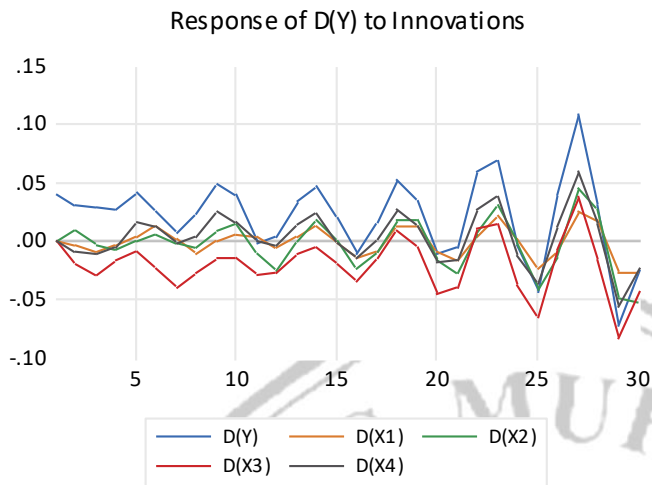
Cointegrating Eq:	CointEq1
D(Y(-1))	1.000000
D(X1(-1))	3.28E-11 (1.1E-11) [3.10696]
D(X2(-1))	-0.075888 (0.12213) [-0.62136]
D(X3(-1))	1.513528 (0.33116) [4.57033]
D(X4(-1))	0.162852 (0.02390) [6.81346]
C	-0.072984

Estimasi Vecm Jangka Pendek

Error Correction:	D(Y,2)	D(X1,2)	D(X2,2)	D(X3,2)	D(X4,2)
CoimEq1	-0.188314 (0.12016) [-1.317511]	-1.38E+10 (1.7E+10) [0.809341]	0.752418 (0.45099) [1.668371]	-0.352988 (0.14052) [-2.511821]	-21.93943 (4.33564) [-5.060251]
D(Y(-1),2)	-0.319554 (0.17871) [-1.788111]	2.03E+10 (0.79707) [1.233891]	-0.989979 (0.617036) [-1.475961]	0.113373 (0.54249) [0.542491]	20.93044 (6.44822) [3.245931]
D(Y(-2),2)	-0.338146 (0.19726) [-1.870891]	3.18E+10 (2.8E+10) [1.233891]	-0.843285 (0.74036) [-1.243131]	-0.141050 (0.23068) [-0.667351]	7.965778 (7.11758) [1.221471]
D(Y(-3),2)	-0.410682 (0.208192)	8.98E+09 (0.31943)	-1.163599 (1.57166)	-0.084769 (0.36747)	0.289903 (0.04073)
D(Y(-4),2)	-0.248993 (0.29637)	1.87E+10 (4.2E+10)	-0.540775 (1.12365)	0.928470 (0.34658)	27.85179 (10.6937)
D(Y(-5),2)	-0.064360 (0.23221)	-1.64E+10 (3.3E+10)	-0.462317 (0.87152)	0.176466 (0.27195)	4.970424 (6.37846)
D(Y(-6),2)	-0.248846 (0.21622)	1.43E+10 (3.1E+10)	-1.383668 (0.81151)	0.575650 (0.25285)	18.83596 (7.80154)
D(Y(-7),2)	-0.011120 (0.12805)	-1.24E+10 (1.8E+10)	0.143275 (0.48051)	-0.052441 (0.14972)	3.246083 (4.61949)
D(Y(-8),2)	-0.472922 (0.40878)	-5.79E+09 (0.41108)	-0.910257 (0.37075)	0.418353 (0.11652)	-8.003463 (3.64194)
D(X1(-1),2)	4.84E-12 (3.8E-12) [1.278161]	-0.856083 (0.54402) [-1.585271]	-2.35E-11 (4.4E-11) [-1.649081]	1.06E-11 (1.4E-11) [2.392561]	6.12E-10 (4.1E-10) [4.478941]
D(X1(-2),2)	3.11E-12 (3.8E-12) [0.662851]	-0.625641 (0.51425) [-1.216621]	-1.66E-11 (1.4E-11) [-1.222201]	1.19E-11 (4.2E-12) [3.892041]	5.03E-10 (1.3E-10) [3.892041]
D(X1(-3),2)	2.07E-12 (3.3E-12) [0.324981]	-0.739824 (0.47307)	-1.56E-11 (1.2E-11)	8.66E-12 (3.9E-12)	4.18E-10 (1.2E-10)
D(X1(-4),2)	2.39E-12 (3.2E-12) [0.750011]	-0.932049 (0.45488)	-1.29E-11 (1.5E-11)	5.87E-12 (3.7E-12)	3.79E-10 (1.2E-10)
D(X1(-5),2)	3.89E-12 (3.0E-12) [1.348711]	-0.650448 (0.42181)	-4.88E-12 (1.1E-11)	1.62E-12 (3.5E-12)	3.85E-10 (1.1E-10)
D(X1(-6),2)	2.71E-12 (3.2E-12) [0.990941]	-0.561312 (0.39004)	-3.82E-12 (2.3E-11)	4.27E-12 (3.9E-11)	2.22E-10 (1.334581)
D(X1(-7),2)	4.55E-14 (2.2E-12) [0.020651]	-0.527550 (1.52918)	-1.06E-12 (0.79398)	3.83E-12 (1.57234)	1.46E-10 (2.0E-11)
D(X1(-8),2)	1.68E-13 (1.4E-12) [0.119881]	-0.211184 (0.19925)	7.78E-13 (1.05455)	2.51E-12 (1.6E-12)	1.12E-10 (5.1E-11)
D(X2(-1),2)	0.036160 (0.04063) [0.889901]	3.10E+09 (6.8E+09)	-0.369769 (0.15251)	-0.11349 (0.04752)	0.179902 (1.46614)
D(X2(-2),2)	-0.038890 (0.04470) [0.870071]	-1.22E+09 (6.4E+09)	-0.470331 (0.16776)	0.015361 (0.05227)	-1.506018 (1.61277)
D(X2(-3),2)	-0.011393 (0.04418) [0.257871]	6.55E+08 (6.3E+09)	-0.258356 (0.16581)	0.045681 (0.05166)	-1.042257 (1.59407)
D(X2(-4),2)	0.050479 (0.04589) [1.150241]	5.89E+09 (9.3E+09)	-0.367723 (0.16471)	-0.020937 (0.05132)	1.968131 (1.59349)
D(X2(-5),2)	0.045063 (0.04052) [1.112131]	3.13E+08 (0.55420)	-0.362431 (2.38316)	-0.005108 (0.10779)	1.273900 (1.46504)
D(X2(-6),2)	0.009733 (0.03929) [0.247751]	3.09E+09 (5.8E+09)	-0.285192 (0.14745)	0.024146 (0.04594)	-1.660202 (1.41753)
D(X2(-7),2)	0.010826 (0.03671) [0.294921]	4.52E+09 (6.2E+09)	-0.110939 (0.13778)	-0.023358 (0.04293)	-4.201954 (1.32455)
D(X2(-8),2)	-0.025523 (0.03035) [0.840951]	3.30E+09 (4.3E+09)	-0.269621 (0.11391)	0.003697 (0.03549)	-2.380029 (1.09511)
D(X3(-1),2)	-0.231976 (0.23169) [1.001221]	1.21E+10 (3.3E+10)	-0.983295 (0.86960)	0.307285 (0.27095)	22.88231 (8.35997)
D(X3(-2),2)	-0.436170 (0.29439) [1.212908]	9.44E+09 (2.8E+10)	-1.028308 (0.76713)	-0.092304 (0.23002)	19.84852 (7.37490)
D(X3(-3),2)	-0.278299 (0.21760) [1.278971]	4.46E+10 (3.1E+10)	-1.642242 (2.01087)	-0.088215 (0.34667)	10.60684 (7.85130)
D(X3(-4),2)	-0.319846 (0.23222) [1.365601]	3.45E+10 (0.87905)	-0.929843 (0.87905)	0.255253 (0.27390)	7.283171 (8.45059)
D(X3(-5),2)	-0.334804 (0.21624) [1.438441]	1.06E+10 (3.1E+10)	-1.167166 (0.81159)	0.411641 (0.25287)	11.23479 (7.80237)
D(X3(-6),2)	-0.284949 (0.22538) [1.264311]	1.51E+10 (3.2E+10)	-1.445565 (0.94589)	0.625498 (0.26356)	17.89494 (8.13210)
D(X3(-7),2)	-0.091867 (0.16554) [0.553731]	4.78E+08 (2.4E+10)	-0.760338 (0.62132)	0.184753 (0.19359)	9.685134 (5.97318)
D(X3(-8),2)	-0.353742 (0.11650) [3.036291]	1.52E+09 (1.7E+10)	-1.065723 (0.43727)	0.356758 (0.13624)	9.642731 (4.20371)
D(X4(-1),2)	0.019658 (0.01873) [1.049811]	2.11E+09 (2.7E+09)	-0.109707 (0.70508)	0.063208 (0.2190)	1.882320 (6.67584)
D(X4(-2),2)	0.012574 (0.01651) [0.761691]	1.49E+09 (2.4E+09)	-0.113987 (0.61196)	0.050620 (0.01931)	1.460812 (0.95656)
D(X4(-3),2)	0.005203 (0.01333) [0.390351]	1.53E+09 (1.80525)	-0.090141 (1.80171)	0.037447 (2.40224)	1.066159 (2.21664)
D(X4(-4),2)	0.004215 (0.01002) [0.420821]	6.39E+08 (1.4E+09)	-0.066386 (0.03759)	0.023527 (0.01171)	0.745297 (0.36137)
D(X4(-5),2)	0.006867 (0.00707) [0.970551]	5.95E+08 (1.0E+09)	-0.048914 (0.02655)	0.016561 (0.00827)	0.570264 (0.25258)
D(X4(-6),2)	0.006535 (0.00471) [1.386521]	2.01E+08 (6.7E+08)	-0.030837 (0.01769)	0.010422 (0.00551)	0.337385 (0.17006)
D(X4(-7),2)	0.004603 (0.00288) [1.563971]	1.57E+08 (4.1E+08)	-0.011602 (0.0181)	0.006806 (0.02138)	0.213957 (0.10388)
D(X4(-8),2)	0.004121 (0.00452) [1.563971]	24000933 (0.11089)	-0.000864 (0.00570)	0.000284 (0.15995)	0.024101 (0.65480)
C	-0.014959 (0.00698) [2.141821]	1.92E+08 (0.19318)	-0.005928 (0.15163)	-0.014425 (0.15995)	-0.609125 (0.25201)
R-squared	0.776050	0.829260	0.740383	0.761889	0.938835
Adj. R-squared	0.824240	0.648440	0.465440	0.654556	0.872540
Sum sq. resid	0.062683	1.27E+11	0.882963	0.085724	1.607053
S.E. equation	0.040615	5.79E+09	0.152435	0.047495	1.465453
F-statistic	3.211731	4.51E+10	2.979175	2.952359	14.25609
Log likelihood	172.5527	-1882.061	66.74398	160.0325	-114.3106
Akaike AIC	-48.263818	-6.810475	-0.618598	-2.950517	-3.307768
Schwarz SC	-2.013254	49.35210	0.631965	-1.700249	5.158330
Mean dependent	0.032594	8782131	0.004565	0.001785	0.011576
S.D. dependent	0.059523	9.71E+09	0.207489	0.067477	4.109579
Determinant resid covariance (dof adj.)		3.20E+12			7.72E+10
Determinant resid covariance		-1570.393			
Log likelihood		44.63482			
Akaike information criterion		61.01141			
Schwarz criterion		215			
Number of coefficients					



Uji Impulse Respons Fuction



Forecast Error Variance Decomposition (FEVD)

Response of D(Y):					
Period	D(Y)	D(X1)	D(X2)	D(X3)	D(X4)
1	0.040615	0.000000	0.000000	0.000000	0.000000
2	0.031330	-0.003329	0.010135	-0.018482	-0.008233
3	0.030228	-0.007811	-0.002257	-0.028995	-0.010866
4	0.028169	-0.003156	-0.005898	-0.015617	-0.005172
5	0.041501	0.004839	0.000991	-0.008039	0.016536
6	0.026602	0.012633	0.006109	-0.023559	0.013882
7	0.008383	0.002057	-0.001366	-0.040062	-0.001243
8	0.024776	-0.009764	-0.005303	-0.026852	0.004467
9	0.049326	0.001195	0.008858	-0.014278	0.026607
10	0.041226	0.005618	0.015450	-0.014004	0.017695
11	-0.001292	0.004649	-0.010032	-0.028329	0.000569
12	0.004575	-0.004418	-0.024913	-0.025749	-0.003801
13	0.035404	0.004485	0.000790	-0.010964	0.015835
14	0.047691	0.012359	0.018977	-0.004207	0.023942
15	0.020957	-0.000607	1.62E-05	-0.019735	-0.001745
16	-0.010887	-0.013302	-0.023429	-0.034714	-0.014700
17	0.016039	-0.008656	-0.009388	-0.013739	0.002893
18	0.052191	0.013784	0.019498	0.008982	0.027787
19	0.034525	0.012434	0.018937	-0.004950	0.012784
20	-0.010151	-0.008431	-0.015592	-0.044700	-0.017302
21	-0.004916	-0.016463	-0.026057	-0.038681	-0.015578
22	0.059593	0.004158	0.008255	0.010908	0.026830
23	0.069007	0.022530	0.030697	0.015257	0.038297
24	-0.002509	0.001859	-0.000570	-0.038339	-0.012456
25	-0.043439	-0.022102	-0.040345	-0.064527	-0.035998
26	0.039686	-0.008673	-0.012044	-0.006656	0.012356
27	0.110079	0.026407	0.046625	0.038395	0.060598
28	0.031613	0.019462	0.028619	-0.015873	0.015211
29	-0.071964	-0.026732	-0.049150	-0.082827	-0.056347
30	-0.022146	-0.026944	-0.051542	-0.040520	-0.021287

Data Penelitian

Negara	GNIK (Y)	PI (X1)	RE (X2)	KURS (X3)	INF (X4)
Malaysia	3670	1649228925	119271873,5	2,62425667	3,724971
Malaysia	4120	435632560,6	115796006	2,50440417	3,450575
Malaysia	4570	268289120,3	164153195,1	2,5159425	3,488559
Malaysia	4690	247761291,3	194441070,8	2,81319167	2,662515
Malaysia	3690	-283102404,8	189584328,7	3,924375	5,270342
Malaysia	3430	1024473684	322894736,8	3,8	2,744561
Malaysia	3490	2532105263	342368421,1	3,8	1,53474
Malaysia	3570	411842105,3	367105263,2	3,8	1,416785
Malaysia	3800	1398947368	435000000	3,8	1,807872
Malaysia	4160	-978157894,7	571052631,6	3,8	1,089676
Malaysia	4710	-8388684211	801868421,1	3,8	1,421271
Malaysia	5230	3700304285	1116972560	3,78709167	2,975071
Malaysia	5770	-3435892078	1365476253	3,66817696	3,609236
Malaysia	6540	-5388143289	1556236305	3,43756938	2,027353
Malaysia	7400	23960720566	1329070850	3,33583333	5,440782
Malaysia	7470	291400434,4	1130872358	3,52450291	0,583308
Malaysia	8110	-14993955418	1102925378	3,22108691	1,622852
Malaysia	8890	-8678199378	1211496096	3,06000301	3,174471
Malaysia	9980	-20680452461	1293805738	3,08880087	1,663571
Malaysia	10600	813576453,4	1423370252	3,15090855	2,105012
Malaysia	10870	11883325039	1579517557	3,27285975	3,142991
Malaysia	10400	7226139225	1643720838	3,90550026	2,10439
Malaysia	9880	3331961296	1603918551	4,14830066	2,090567
Malaysia	9680	3298702716	1648944928	4,30044088	3,871201
Malaysia	10360	12431150396	1685578502	4,03513014	0,884709
Malaysia	10960	7757677164	1597353742	4,14246974	0,662892
Malaysia	10320	12033737658	1426684075	4,20348195	-1,138702
Malaysia	10740	-4560040626	1552334623	4,1432976	2,477102
Malaysia	11830	11285060970	1617714310	4,40107635	3,378699
Malaysia	11970	8121775203	1704437564	4,56062343	2,488866
Thailand	2410	-2661452934	1280921387	25,1499519	5,047749
Thailand	2740	-4121073975	1695279817	24,9151757	5,818182
Thailand	2950	-3698230129	1805949705	25,3426829	5,805106
Thailand	2670	-4494812609	1658406238	31,3643345	5,625797
Thailand	2080	-355284353,5	1424466820	41,3593875	7,994729

Thailand	1980	111335844,6	1460133614	37,8136558	0,284726
Thailand	1980	705725821,5	1696785433	40,1118033	1,591969
Thailand	1960	885655311,6	1252447488	44,4319	1,626909
Thailand	1980	1607725958	1379995429	42,9600833	0,697309
Thailand	2170	88254928,3	1607350389	41,4846167	1,80435
Thailand	2520	-3087620266	1621875957	40,2224149	2,759149
Thailand	2780	-6493767040	1187020000	40,2201302	4,540369
Thailand	3080	-4912188739	1333360000	37,8819832	4,637474
Thailand	3490	3910211871	1634850000	34,5181806	2,241541
Thailand	3920	-159370139,8	1898410000	33,3133006	5,468489
Thailand	4080	429038549,4	3808000000	34,2857741	-0,845716
Thailand	4510	-4870256146	4433160000	31,685705	3,247588
Thailand	4860	-6163260155	5255620000	30,4917333	3,808791
Thailand	5420	-3398281660	5656788795	31,0830917	3,0149
Thailand	5610	4766363948	6584860455	30,7259667	2,184886
Thailand	5640	12012826034	6524114892	32,4798333	1,895142
Thailand	5580	16508135076	5894665233	34,2477167	-0,900425
Thailand	5570	2797621810	6270025972	35,2963833	0,18815
Thailand	5820	2151550277	6720117054	33,9398111	0,665632
Thailand	6450	-5760452386	7466081912	32,3102257	1,063898
Thailand	7080	-8798248347	8162162551	31,0476058	0,706729
Thailand	6910	11948117841	8256962268	31,2936732	-0,845937
Thailand	7100	11966126436	9064843603	31,9770934	1,230395
Thailand	7240	-5766874948	8916777158	35,0613502	6,077412
Thailand	7180	13079650915	9618245721	34,8021886	1,228026
Indonesia	850	-3877000000	449000000	2160,75368	8,532005
Indonesia	980	-4100000000	651000000	2248,60798	9,420323
Indonesia	1080	-5005000000	796000000	2342,29629	7,973281
Indonesia	1090	2632000000	725000000	2909,38	6,226142
Indonesia	650	1878000000	958170000	10013,6225	58,45104
Indonesia	570	1792350000	1109000000	7855,15	20,47783
Indonesia	570	1910730193	1190200000	8421,775	3,688619
Indonesia	710	243802437,8	1046000000	10260,85	11,50011
Indonesia	780	-1221849941	1258917563	9311,19167	11,90012
Indonesia	890	-2251268404	1488709351	8577,13333	6,757317
Indonesia	1070	-4409156156	1866314990	8938,85	6,06406
Indonesia	1210	-4189585521	5419620729	9704,74167	10,4532
Indonesia	1360	-4276626526	5722357517	9159,31667	13,10867
Indonesia	1580	-5566080000	6174340000	9141	6,406563

Indonesia	1920	-1764251470	6794200933	9698,9625	10,22666
Indonesia	2130	-10336230327	6792907280	10389,9375	4,386416
Indonesia	2510	-13201983671	6916051073	9090,43333	5,134204
Indonesia	2990	-3806371952	6923970511	8770,43333	5,356048
Indonesia	3550	-9908345748	7212196578	9386,62917	4,2795
Indonesia	3710	-10872605550	7614419340	10461,24	6,412513
Indonesia	3600	-26066630212	8551164469	11865,2113	6,394925
Indonesia	3420	-16182680883	9659168639	13389,4129	6,363121
Indonesia	3400	-18995589857	8906655811	13308,3268	3,525805
Indonesia	3530	-21059012443	8989529971	13380,8339	3,808798
Indonesia	3850	-9311908007	11215344812	14236,9388	3,198346
Indonesia	4070	-21990288572	11666395059	14147,6714	3,030587
Indonesia	3900	-3368890604	9650926142	14582,2035	1,920968
Indonesia	4170	-5085568837	9402427089	14308,1439	1,56013
Indonesia	4580	11630577025	13089296495	14849,8539	4,209464
Indonesia	4870	-2250088172	14466835210	15236,8847	3,670131
Philipina	1060	-269000000	3452000000	26,4171667	10,38647
Philipina	1170	-1190000000	5360000000	25,7144667	6,831996
Philipina	1330	-5317000000	4875000000	26,2161	7,476104
Philipina	1400	-591000000	6799000000	29,4706583	5,590259
Philipina	1320	928000000	5130000000	40,89305	9,234934
Philipina	1250	-3315000000	6693000000	39,0889833	5,939049
Philipina	1180	553000000	6924000000	44,19225	3,977125
Philipina	1170	-1027000000	8760000000	50,99265	5,345502
Philipina	1130	-746000000	9735000000	51,6035667	2,722772
Philipina	1170	-562000000	10239000000	54,2033333	2,289157
Philipina	1290	1713000000	11468000000	56,0399167	4,829211
Philipina	1380	-1297816084	13732557722	55,0854917	6,516854
Philipina	1490	-3019136466	15496088457	51,3142725	5,485232
Philipina	1710	-1575412305	16437434092	46,1483912	2,9
Philipina	2000	1587166473	18850672419	44,3232876	8,260447
Philipina	2160	-2054057110	19959507639	47,6796885	4,219031
Philipina	2360	-4890306884	21556633836	45,1096642	3,789836
Philipina	2500	-3663239395	23053626019	43,3131369	4,718417
Philipina	2840	-3205030476	24609679613	42,2287947	3,026964
Philipina	3140	-1001143810	26716840269	42,4461848	2,582688
Philipina	3300	2708286753	28690797896	44,3951543	3,597823
Philipina	3350	5470919991	29799395700	45,5028399	0,674193
Philipina	3410	1480205009	31141973475	47,4924639	1,253699

Philipina	3480	2454355419	32809770434	50,4037198	2,853188
Philipina	3640	1447844569	33808967986	52,66143	5,309347
Philipina	3770	-2473905671	35167471832	51,7957827	2,392065
Philipina	3350	-1679733366	34882844550	49,624096	2,393162
Philipina	3550	10237125496	36685313168	49,2545977	3,92718
Philipina	3950	-1683741735	38048724464	54,4777858	5,821158
Philipina	4230	924992303,8	39096890142	55,6303632	5,978025

