

Referências Bibliográficas

- [1] ANG, A.; PIAZZESI, M.. **A no-arbitrage vector autoregression of term structure dynamics with macroeconomic and latent variables.** Journal of Monetary Economics, 50(4):745–787, 2003. 2, 3, 4
- [2] BERNANKE, B.; GERTLER, M. ; WATSON, M.. **Systematic monetary policy and the effects of oil price shocks.** Working Paper, C.V. Starr Center of Applied Economics, New York University, 25(97), 1997. 3
- [3] BOENDER, G. C. E.; VAN AALST, P. ; HEEMSKERK, F.. **Modelling and management of assets and liabilities of pension plans in the netherlands.** Worldwide Asset and Liability Modeling, 10, 1998. 1.1
- [4] CAMPBELL, J. Y.. **Some lessons from the yield curve.** Journal of Economic Perspectives, American Economic Association, 9(3):129–152, 1998. 1.2
- [5] CAMPBELL, J. Y.; LO, A. W. ; MCKINLEY, A. C.. **The econometrics of financial markets.** Princeton University Press, 1997. 1.2
- [6] CATI, R. C.; GARCIA, M. G. P. ; PERRON, P.. **Unit roots in the presence of abrupt governmental interventions with application to brazilian data.** Journal of Applied Econometrics, 14:27–56, 1999. 2
- [7] CLARIDA, R.; GALI, J. ; GERTLER, M.. **Monetary police rules in practice: Some international evidence.** European Economic Review, XLII:1033–1068, 1998. 1.2
- [8] CLARIDA, R.; GALI, J. ; GERTLER, M.. **The science of monetary police: a new keynesian perspective.** Journal of Economic Literature, American Economic Association, 37(4):1661–1707, Dezembro 1999. 2
- [9] COCHRANE, J. H.; PIAZZESI, M.. **Bond risk premia.** American economic Review, American Economic Association, 95(1):138–160, 2005. 5

- [10] DERT, C.. **A dynamic model for asset liability management for defined benefit pension funds.** *Worldwide Asset and Liability Modeling*, 10, 1998. 1.1
- [11] DIEBOLD, F. X.; LI, C.. **Forecasting the term structure of government bond yields.** *Journal of Econometrics*, 130:337–364, 2006. 2
- [12] DIEBOLD, F. X.; RUDEBUSCH, G. D. ; ARUOBA, S.. **The macroeconomy and the yield curve: a dynamic latent factor approach.** *Journal of Econometrics*, 127(1-2):309–338, 2006. 3
- [13] EVANS, C.; MARSHALL, D. A.. **Monetary policy and the term structure of nominal interest rates: Evidence and theory.** *Carnegie-Rochester Conference Series on Public Policy*, 49:53–111, 1998. 1.2, 3, 3, 5
- [14] GORDON, D. B.; LEEPER, E. M.. **The dynamic impacts of monetary policy: An exercise in tentative identification.** *Journal of Political Economy*, 102(6):1228–1247, Dezembro 1994. 3
- [15] HALL, A.; ANDERSON, H. M. ; GRANGER, C. W. J.. **A cointegration analysis of treasury bill yields.** *Review of Economics and Statistics*, 74(1), Fevereiro 1992. 4
- [16] MINELLA, A.. **Monetary policy and inflation in brazil (1975-2000): a var estimation.** *Working Paper Series, Banco Central do Brasil*, (33), novembro 2001. 2
- [17] SIMS, C. A.; STOCK, J. H. ; WATSON, M. W.. **Inference in linear time series models with some unit roots.** *Econometrica*, 58(1):113–144, janeiro 1990. 8
- [18] TAYLOR, J. B.. **Discretion versus policy rules in practice.** *Carnegie-Rochester Conference Series on Public Policy*, 39:195–214, 1993. 1.2
- [19] WATSON, M. W.. **Vector autoregression and cointegration.** *Handbook of Econometrics*, IV:2844–2915, 1994. 8
- [20] WOODFORD, M.. **Interest and Prices.** Princeton University Press, 2003. 1.2, 2, 1

A

Coeficientes dos modelos propostos

	Hiato	IGP-DI	Selic
Hiato(-1)	0.723847	0.003515	-0.002142
Erro padrão	(0.09043)	(0.01332)	(0.01108)
Estatística t	[8.00432]	[0.26396]	[-0.19328]
IGP-DI(-1)	-0.580222	0.531505	0.308464
Erro padrão	(0.70810)	(0.10428)	(0.08678)
Estatística t	[-0.81940]	[5.09704]	[3.55447]
Selic(-1)	-0.193809	-0.013651	0.903557
Erro padrão	(0.28075)	(0.04134)	(0.03441)
Estatística t	[-0.69033]	[-0.33019]	[26.2607]
C	0.051671	0.006757	0.012987
Erro padrão	(0.05024)	(0.00740)	(0.00616)
Estatística t	[1.02849]	[0.91329]	[2.10916]

Tabela A.1: Modelo VAR com variáveis macro com uma defasagem.

Variável	Coeficiente	Erro Padrão	Estatística t	Probabilidade
C	0.007354	0.003540	2.077331	0.0418
Hiato	0.001847	0.008322	0.221985	0.8250
IGP-DI	0.070872	0.056814	1.247444	0.2168
Selic	1.134652	0.087064	13.03243	0.0000
s30(-1)	0.463901	0.108950	4.257910	0.0001
Hiato(-1)	-0.010781	0.008533	-1.263412	0.2110
IGP-DI(-1)	0.075339	0.060640	1.242392	0.2186
Selic(-1)	-0.639768	0.082417	-7.762563	0.0000

Tabela A.2: Coeficientes para a equação que relaciona a taxa de swap 30 com as variáveis macro com uma defasagem.

Variável	Coefficiente	Erro Padrão	Estatística t	Probabilidade
C	0.010427	0.005115	2.038585	0.0456
Hiato	0.001123	0.011957	0.093949	0.9254
IGP-DI	0.156483	0.082037	1.907481	0.0609
Selic	1.017037	0.130625	7.785937	0.0000
s60(-1)	0.549551	0.109329	5.026595	0.0000
Hiato(-1)	-0.013782	0.012282	-1.122190	0.2660
IGP-DI(-1)	0.108734	0.088340	1.230856	0.2229
Selic(-1)	-0.627211	0.092804	-6.758444	0.0000

Tabela A.3: Coeficientes para a equação que relaciona a taxa de swap 60 com as variáveis macro com uma defasagem.

Variável	Coefficiente	Erro Padrão	Estatística t	Probabilidade
C	0.014550	0.006411	2.269528	0.0266
Hiato	0.002473	0.014960	0.165321	0.8692
IGP-DI	0.218101	0.103927	2.098607	0.0398
Selic	0.909662	0.155238	5.859777	0.0000
s90(-1)	0.647632	0.102673	6.307721	0.0000
Hiato(-1)	-0.016280	0.015340	-1.061285	0.2925
IGP-DI(-1)	0.117228	0.111575	1.050665	0.2974
Selic(-1)	-0.643716	0.113498	-5.671607	0.0000

Tabela A.4: Coeficientes para a equação que relaciona a taxa de swap 90 com as variáveis macro com uma defasagem.

Variável	Coefficiente	Erro Padrão	Estatística t	Probabilidade
C	0.016294	0.007326	2.224074	0.0297
Hiato	0.004260	0.017055	0.249785	0.8036
IGP-DI	0.230783	0.120139	1.920973	0.0592
Selic	0.721608	0.163115	4.423936	0.0000
s120(-1)	0.748458	0.093450	8.009144	0.0000
Hiato(-1)	-0.016028	0.017429	-0.919575	0.3612
IGP-DI(-1)	0.121841	0.127807	0.953326	0.3440
Selic(-1)	-0.568682	0.128935	-4.410623	0.0000

Tabela A.5: Coeficientes para a equação que relaciona a taxa de swap 120 com as variáveis macro com uma defasagem.

Variável	Coefficiente	Erro Padrão	Estatística t	Probabilidade
C	0.019446	0.008734	2.226441	0.0295
Hiato	0.010290	0.020289	0.507167	0.6138
IGP-DI	0.349069	0.144539	2.415055	0.0186
Selic	0.573617	0.185625	3.090191	0.0030
s180(-1)	0.790260	0.088337	8.945953	0.0000
Hiato(-1)	-0.020808	0.020666	-1.006883	0.3178
IGP-DI(-1)	0.073053	0.155152	0.470845	0.6394
Selic(-1)	-0.483896	0.153433	-3.153784	0.0025

Tabela A.6: Coeficientes para a equação que relaciona a taxa de swap 180 com as variáveis macro com uma defasagem.

Variável	Coefficiente	Erro Padrão	Estatística t	Probabilidade
C	0.024537	0.011166	2.197424	0.0316
Hiato	0.014919	0.026153	0.570458	0.5704
IGP-DI	0.582758	0.191999	3.035209	0.0035
Selic	0.366890	0.224480	1.634398	0.1071
s360(-1)	0.843467	0.083405	10.11289	0.0000
Hiato(-1)	-0.024765	0.026513	-0.934067	0.3538
IGP-DI(-1)	-0.087426	0.207655	-0.421016	0.6752
Selic(-1)	-0.363075	0.196575	-1.847004	0.0694

Tabela A.7: Coeficientes para a equação que relaciona a taxa de swap 360 com as variáveis macro com uma defasagem.

Variável	Coefficiente	Erro Padrão	Estatística t	Probabilidade
C	0.029120	0.014084	2.067635	0.0427
Hiato	0.023719	0.033798	0.701781	0.4854
IGP-DI	0.828095	0.248666	3.330146	0.0014
Selic	0.291636	0.283135	1.030025	0.3069
s720(-1)	0.862352	0.080201	10.75243	0.0000
Hiato(-1)	-0.032552	0.033876	-0.960915	0.3402
IGP-DI(-1)	-0.178140	0.270641	-0.658215	0.5128
Selic(-1)	-0.337628	0.251937	-1.340126	0.1849

Tabela A.8: Coeficientes para a equação que relaciona a taxa de swap 720 com as variáveis macro com uma defasagem.

	Hiato	IGP-DI	Selic
Hiato(-1)	0.645880	0.021838	-0.005343
Erro padrão	(0.12729)	(0.01892)	(0.00833)
Estatística t	[5.07426]	[1.15401]	[-0.64174]
Hiato(-2)	0.235830	-0.023947	0.001505
Erro padrão	(0.14688)	(0.02184)	(0.00961)
Estatística t	[1.60560]	[-1.09665]	[0.15666]
Hiato(-3)	-0.180714	0.002019	0.002755
Erro padrão	(0.12835)	(0.01908)	(0.00840)
Estatística t	[-1.40794]	[0.10580]	[0.32811]
IGP-DI(-1)	0.094254	0.454918	0.038406
Erro padrão	(0.88574)	(0.13168)	(0.05794)
Estatística t	[0.10641]	[3.45464]	[0.66288]
IGP-DI(-2)	-1.103141	0.101528	0.149520
Erro padrão	(0.94418)	(0.14037)	(0.06176)
Estatística t	[-1.16836]	[0.72328]	[2.42099]
IGP-DI(-3)	-0.635903	0.124399	0.046630
Erro padrão	(0.88824)	(0.13205)	(0.05810)
Estatística t	[-0.71592]	[0.94203]	[0.80257]
Selic(-1)	-0.111483	0.008429	1.572171
Erro padrão	(1.40691)	(0.20916)	(0.09203)
Estatística t	[-0.07924]	[0.04030]	[17.0837]
Selic(-2)	0.391896	-0.225814	-0.749107
Erro padrão	(2.29829)	(0.34169)	(0.15033)
Estatística t	[0.17052]	[-0.66088]	[-4.98295]
Selic(-3)	-0.357915	0.178277	0.125670
Erro padrão	(1.09781)	(0.16321)	(0.07181)
Estatística t	[-0.32603]	[1.09231]	[1.75007]
C	0.042985	0.009419	0.006673
Erro padrão	(0.05323)	(0.00791)	(0.00348)
Estatística t	[0.80750]	[1.19013]	[1.91653]

Tabela A.9: Modelo VAR com variáveis macro com três defasagens.

Variável	Coefficiente	Erro Padrão	Estatística t	Probabilidade
C	0.008197	0.003241	2.529406	0.0143
Hiato	0.000874	0.007669	0.113970	0.9097
IGP-DI	0.004814	0.053570	0.089857	0.9287
Selic	1.448861	0.120233	12.05043	0.0000
s30(-1)	0.397100	0.119013	3.336619	0.0015
Hiato(-1)	0.001405	0.008906	0.157713	0.8753
IGP-DI(-1)	0.104281	0.056512	1.845290	0.0703
Selic(-1)	-1.047683	0.234051	-4.476309	0.0000
s30(-2)	0.147147	0.127334	1.155592	0.2528
Hiato(-2)	0.004052	0.008756	0.462748	0.6453
IGP-DI(-2)	-0.171472	0.058324	-2.939992	0.0048
Selic(-2)	-0.120142	0.223284	-0.538068	0.5927
s30(-3)	0.139964	0.113395	1.234303	0.2222
Hiato(-3)	-0.015464	0.007553	-2.047368	0.0453
IGP-DI(-3)	0.100907	0.053818	1.874976	0.0660
Selic(-3)	-0.009970	0.107003	-0.093176	0.9261

Tabela A.10: Coeficientes para a equação que relaciona a taxa de swap 30 com as variáveis macro com três defasagens.

Variável	Coefficiente	Erro Padrão	Estatística t	Probabilidade
C	0.009309	0.004513	2.062707	0.0438
Hiato	2.66E-05	0.011012	0.002413	0.9981
IGP-DI	0.051121	0.076010	0.672557	0.5040
Selic	1.549428	0.167841	9.231493	0.0000
s60(-1)	0.590960	0.121118	4.879200	0.0000
Hiato(-1)	0.000679	0.012651	0.053694	0.9574
IGP-DI(-1)	0.137822	0.079640	1.730567	0.0890
Selic(-1)	-1.601096	0.296551	-5.399054	0.0000
s60(-2)	0.108905	0.131935	0.825447	0.4126
Hiato(-2)	0.008777	0.012485	0.703033	0.4849
IGP-DI(-2)	-0.282214	0.082760	-3.410010	0.0012
Selic(-2)	0.170313	0.272344	0.625359	0.5343
s60(-3)	0.064863	0.117898	0.550163	0.5844
Hiato(-3)	-0.019174	0.010797	-1.775888	0.0812
IGP-DI(-3)	0.194500	0.075682	2.569969	0.0129
Selic(-3)	0.063154	0.103569	0.609776	0.5445

Tabela A.11: Coeficientes para a equação que relaciona a taxa de swap 60 com as variáveis macro com três defasagens.

Variável	Coefficiente	Erro Padrão	Estatística t	Probabilidade
C	0.012264	0.005527	2.218963	0.0306
Hiato	-0.002027	0.013549	-0.149621	0.8816
IGP-DI	0.101619	0.092090	1.103472	0.2745
Selic	1.589368	0.204114	7.786666	0.0000
s90(-1)	0.681821	0.118217	5.767525	0.0000
Hiato(-1)	-0.000908	0.015454	-0.058728	0.9534
IGP-DI(-1)	0.140912	0.097261	1.448810	0.1530
Selic(-1)	-1.757110	0.352727	-4.981506	0.0000
s90(-2)	0.090368	0.134032	0.674228	0.5029
Hiato(-2)	0.020945	0.015259	1.372635	0.1753
IGP-DI(-2)	-0.378522	0.101112	-3.743583	0.0004
Selic(-2)	0.150332	0.317149	0.474012	0.6373
s90(-3)	0.023101	0.114460	0.201824	0.8408
Hiato(-3)	-0.028867	0.013205	-2.186054	0.0330
IGP-DI(-3)	0.233959	0.093592	2.499765	0.0154
Selic(-3)	0.152817	0.121540	1.257345	0.2138

Tabela A.12: Coeficientes para a equação que relaciona a taxa de swap 90 com as variáveis macro com três defasagens.

Variável	Coefficiente	Erro Padrão	Estatística t	Probabilidade
C	0.013202	0.006380	2.069377	0.0431
Hiato	-0.007258	0.015617	-0.464758	0.6439
IGP-DI	0.125029	0.105725	1.182586	0.2420
Selic	1.492585	0.232657	6.415377	0.0000
s120(-1)	0.834062	0.119041	7.006492	0.0000
Hiato(-1)	0.002590	0.017689	0.146438	0.8841
IGP-DI(-1)	0.151283	0.111633	1.355176	0.1808
Selic(-1)	-1.765802	0.404693	-4.363317	0.0001
s120(-2)	0.015357	0.141421	0.108589	0.9139
Hiato(-2)	0.027448	0.017379	1.579355	0.1199
IGP-DI(-2)	-0.451664	0.116553	-3.875168	0.0003
Selic(-2)	0.219999	0.353684	0.622021	0.5365
s120(-3)	-0.057534	0.113335	-0.507646	0.6137
Hiato(-3)	-0.037788	0.015078	-2.506262	0.0151
IGP-DI(-3)	0.279994	0.109351	2.560510	0.0132
Selic(-3)	0.189544	0.136254	1.391109	0.1697

Tabela A.13: Coeficientes para a equação que relaciona a taxa de swap 120 com as variáveis macro com três defasagens.

Variável	Coefficiente	Erro Padrão	Estatística t	Probabilidade
C	0.015730	0.007530	2.088898	0.0413
Hiato	-0.010491	0.018335	-0.572196	0.5695
IGP-DI	0.240208	0.125333	1.916557	0.0604
Selic	1.429669	0.274061	5.216615	0.0000
s180(-1)	0.974813	0.116573	8.362268	0.0000
Hiato(-1)	0.003691	0.020702	0.178275	0.8592
IGP-DI(-1)	0.105822	0.132973	0.795819	0.4295
Selic(-1)	-1.761380	0.474597	-3.711321	0.0005
s180(-2)	-0.129807	0.146239	-0.887633	0.3785
Hiato(-2)	0.035042	0.020403	1.717507	0.0914
IGP-DI(-2)	-0.564455	0.137146	-4.115735	0.0001
Selic(-2)	0.249654	0.403704	0.618407	0.5388
s180(-3)	-0.059554	0.111593	-0.533672	0.5957
Hiato(-3)	-0.047993	0.017705	-2.710684	0.0089
IGP-DI(-3)	0.381346	0.131319	2.903962	0.0053
Selic(-3)	0.211319	0.157347	1.343014	0.1847

Tabela A.14: Coeficientes para a equação que relaciona a taxa de swap 180 com as variáveis macro com três defasagens.

Variável	Coefficiente	Erro Padrão	Estatística t	Probabilidade
C	0.020171	0.009747	2.069505	0.0431
Hiato	-0.018621	0.023774	-0.783277	0.4368
IGP-DI	0.463222	0.166634	2.779874	0.0074
Selic	1.300771	0.355116	3.662948	0.0006
s360(-1)	1.074804	0.117990	9.109315	0.0000
Hiato(-1)	0.010857	0.026731	0.406164	0.6862
IGP-DI(-1)	-0.073477	0.177553	-0.413828	0.6806
Selic(-1)	-1.549384	0.613315	-2.526245	0.0144
s360(-2)	-0.237793	0.155474	-1.529474	0.1318
Hiato(-2)	0.048715	0.026288	1.853127	0.0691
IGP-DI(-2)	-0.648218	0.180248	-3.596246	0.0007
Selic(-2)	0.017931	0.504389	0.035549	0.9718
s360(-3)	-0.018008	0.116336	-0.154795	0.8775
Hiato(-3)	-0.070280	0.022812	-3.080772	0.0032
IGP-DI(-3)	0.453385	0.176749	2.565136	0.0130
Selic(-3)	0.304059	0.198413	1.532458	0.1310

Tabela A.15: Coeficientes para a equação que relaciona a taxa de swap 360 com as variáveis macro com três defasagens.

Variável	Coefficiente	Erro Padrão	Estatística t	Probabilidade
C	0.024863	0.012634	1.967988	0.0540
Hiato	-0.016307	0.030760	-0.530146	0.5981
IGP-DI	0.623047	0.221146	2.817356	0.0067
Selic	1.317566	0.463076	2.845250	0.0062
s720(-1)	1.114533	0.122584	9.091957	0.0000
Hiato(-1)	0.015911	0.034655	0.459139	0.6479
IGP-DI(-1)	-0.168492	0.233685	-0.721022	0.4739
Selic(-1)	-1.642711	0.795540	-2.064899	0.0436
s720(-2)	-0.275397	0.164377	-1.675401	0.0994
Hiato(-2)	0.068007	0.033989	2.000831	0.0503
IGP-DI(-2)	-0.907597	0.236419	-3.838937	0.0003
Selic(-2)	0.007182	0.642007	0.011187	0.9911
s720(-3)	0.063185	0.122232	0.516931	0.6072
Hiato(-3)	-0.094849	0.029478	-3.217586	0.0022
IGP-DI(-3)	0.520961	0.236842	2.199616	0.0320
Selic(-3)	0.282231	0.255361	1.105225	0.2738

Tabela A.16: Coeficientes para a equação que relaciona a taxa de swap 720 com as variáveis macro com três defasagens.

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	Selic	s30	s60	s90	s120	s180	s360	s720
Selic(-1)	0.933917	0.510989	0.340481	0.187770	-0.053632	-0.267903	-0.454775	-0.270023
Erro padrão	(0.20900)	(0.31135)	(0.34960)	(0.39726)	(0.40004)	(0.44090)	(0.57809)	(0.75310)
Estatística t	[4.46850]	[1.64122]	[0.97390]	[0.47267]	[-0.13407]	[-0.60763]	[-0.78669]	[-0.35855]
s30(-1)	-1.640601	-1.404935	-1.151475	-1.069397	-0.479875	-0.091798	0.333474	0.056511
Erro padrão	(0.47902)	(0.71359)	(0.80128)	(0.91049)	(0.91688)	(1.01051)	(1.32494)	(1.72607)
Estatística t	[-3.42493]	[-1.96883]	[-1.43705]	[-1.17453]	[-0.52338]	[-0.09084]	[0.25169]	[0.03274]
s60(-1)	1.157446	0.753959	0.222352	0.157155	-0.121956	-0.238762	-0.600133	-1.690402
Erro padrão	(0.69025)	(1.02826)	(1.15462)	(1.31200)	(1.32120)	(1.45612)	(1.90921)	(2.48723)
Estatística t	[1.67685]	[0.73324]	[0.19258]	[0.11978]	[-0.09231]	[-0.16397]	[-0.31434]	[-0.67963]
s90(-1)	2.505887	3.714984	4.229477	4.156773	3.553374	3.364470	2.673897	3.336461
Erro padrão	(0.82865)	(1.23443)	(1.38612)	(1.57505)	(1.58610)	(1.74807)	(2.29200)	(2.98591)
Estatística t	[3.02407]	[3.00947]	[3.05131]	[2.63913]	[2.24032]	[1.92467]	[1.16662]	[1.11740]
s120(-1)	-2.774883	-3.227926	-3.194601	-2.889010	-2.350068	-2.265817	-0.399825	1.566983
Erro padrão	(0.79420)	(1.18312)	(1.32850)	(1.50958)	(1.52018)	(1.67542)	(2.19674)	(2.86180)
Estatística t	[-3.49392]	[-2.72832]	[-2.40466]	[-1.91378]	[-1.54592]	[-1.35239]	[-0.18201]	[0.54755]
s180(-1)	0.941983	0.278855	-0.112701	-0.521909	-0.832441	-1.349800	-3.632299	-5.588539
Erro padrão	(0.61116)	(0.91045)	(1.02232)	(1.16167)	(1.16982)	(1.28928)	(1.69046)	(2.20225)
Estatística t	[1.54129]	[0.30628]	[-0.11024]	[-0.44927]	[-0.71160]	[-1.04694]	[-2.14871]	[-2.53765]
s360(-1)	-0.133645	0.493136	0.866805	1.247807	1.673247	2.312913	3.475855	3.134199
Erro padrão	(0.31915)	(0.47544)	(0.53386)	(0.60663)	(0.61089)	(0.67327)	(0.88276)	(1.15002)
Estatística t	[-0.41875]	[1.03722]	[1.62365]	[2.05695]	[2.73905]	[3.43535]	[3.93748]	[2.72534]
s360(-1)	-0.009377	-0.169026	-0.262322	-0.352371	-0.476132	-0.581780	-0.569665	0.234663
Erro padrão	(0.11085)	(0.16514)	(0.18543)	(0.21070)	(0.21218)	(0.23385)	(0.30661)	(0.39944)
Estatística t	[-0.08459]	[-1.02356]	[-1.41469]	[-1.67237]	[-2.24400]	[-2.48786]	[-1.85794]	[0.58748]
C	0.002127	0.007875	0.010323	0.014206	0.015514	0.020998	0.030468	0.038354
Erro padrão	(0.00424)	(0.00632)	(0.00710)	(0.00807)	(0.00812)	(0.00895)	(0.01174)	(0.01529)
Estatística t	[0.50114]	[1.24542]	[1.45394]	[1.76086]	[1.90967]	[2.34510]	[2.59529]	[2.50774]

Tabela A.17: Modelo VAR com todas as taxas e uma defasagem.

	Selic	s30	s60	s90	s120	s180	s360	s720
Selic(-1)	1.189396	0.676290	0.422887	0.132986	-0.167410	-0.534827	-1.282087	-1.838919
Erro padrão	(0.26618)	(0.42038)	(0.47405)	(0.53244)	(0.54171)	(0.60158)	(0.74799)	(0.97756)
Estatística t	[4.46847]	[1.60876]	[0.89206]	[0.24977]	[-0.30904]	[-0.88903]	[-1.71404]	[-1.88114]
Selic(-2)	-0.085828	-0.354451	-0.479760	-0.601263	-0.747456	-0.767580	-0.940493	-0.915393
Erro padrão	(0.31779)	(0.50190)	(0.56598)	(0.63569)	(0.64675)	(0.71824)	(0.89304)	(1.16712)
Estatística t	[-0.27008]	[-0.70622]	[-0.84766]	[-0.94585]	[-1.15571]	[-1.06869]	[-1.05313]	[-0.78432]
Selic(-3)	-0.130736	-0.025924	0.007487	0.135214	0.321179	0.544645	1.010847	1.300160
Erro padrão	(0.19660)	(0.31049)	(0.35013)	(0.39326)	(0.40010)	(0.44433)	(0.55246)	(0.72202)
Estatística t	[-0.66500]	[-0.08349]	[0.02138]	[0.34383]	[0.80274]	[1.22577]	[1.82970]	[1.80073]
s30(-1)	-0.370343	-0.905565	-0.871418	-0.847543	-0.397296	-0.080013	0.652725	1.040249
Erro padrão	(0.64256)	(1.01481)	(1.14438)	(1.28532)	(1.30769)	(1.45224)	(1.80568)	(2.35985)
Estatística t	[-0.57636]	[-0.89235]	[-0.76147]	[-0.65940]	[-0.30381]	[-0.05510]	[0.36148]	[0.44081]
s30(-2)	-0.597405	0.036630	0.262325	0.385820	0.595760	0.811130	1.014985	0.807907
Erro padrão	(0.45982)	(0.72621)	(0.81894)	(0.91980)	(0.93581)	(1.03925)	(1.29217)	(1.68875)
Estatística t	[-1.29921]	[0.05044]	[0.32032]	[0.41946]	[0.63663]	[0.78050]	[0.78549]	[0.47841]
s30(-3)	0.555589	0.640501	0.785642	0.896726	0.731970	0.501328	0.250822	-0.050075
Erro padrão	(0.34992)	(0.55264)	(0.62320)	(0.69996)	(0.71214)	(0.79086)	(0.98333)	(1.28512)
Estatística t	[1.58776]	[1.15898]	[1.26065]	[1.28112]	[1.02785]	[0.63390]	[0.25507]	[-0.03896]
s60(-1)	-0.086696	0.769810	0.666528	0.909843	0.753861	0.979927	1.247391	0.967151
Erro padrão	(0.89231)	(1.40925)	(1.58918)	(1.78490)	(1.81597)	(2.01671)	(2.50751)	(3.27709)
Estatística t	[-0.09716]	[0.54625]	[0.41942]	[0.50974]	[0.41513]	[0.48590]	[0.49746]	[0.29513]
s60(-2)	-0.533541	-1.133482	-1.122183	-0.980256	-0.794578	-1.122754	-0.591392	-0.265162
Erro padrão	(0.65627)	(1.03648)	(1.16882)	(1.31276)	(1.33561)	(1.48325)	(1.84423)	(2.41024)
Estatística t	[-0.81299]	[-1.09359]	[-0.96010]	[-0.74671]	[-0.59492]	[-0.75695]	[-0.32067]	[-0.11002]
s60(-3)	-0.870975	-2.140343	-2.638685	-3.304827	-3.540786	-3.867190	-4.493875	-4.636687
Erro padrão	(0.53553)	(0.84578)	(0.95377)	(1.07124)	(1.08988)	(1.21036)	(1.50492)	(1.96679)
Estatística t	[-1.62638]	[-2.53060]	[-2.76657]	[-3.08505]	[-3.24877]	[-3.19508]	[-2.98611]	[-2.35748]
s90(-1)	1.730819	4.547308	5.558495	5.882947	5.631799	5.463567	5.117647	5.526259
Erro padrão	(0.83031)	(1.31134)	(1.47877)	(1.66089)	(1.68980)	(1.87659)	(2.33329)	(3.04939)
Estatística t	[2.08455]	[3.46769]	[3.75887]	[3.54205]	[3.33283]	[2.91144]	[2.19332]	[1.81225]
s90(-2)	2.389033	1.794918	1.163655	0.712931	-0.159669	-0.739965	-2.282823	-3.175765
Erro padrão	(0.82597)	(1.30448)	(1.47104)	(1.65221)	(1.68096)	(1.86678)	(2.32110)	(3.03345)
Estatística t	[2.89241]	[1.37596]	[0.79104]	[0.43150]	[-0.09499]	[-0.39639]	[-0.98351]	[-1.04691]
s90(-3)	0.613742	1.711780	2.402864	3.195191	3.568423	4.719119	6.402984	8.163456
Erro padrão	(0.81334)	(1.28455)	(1.44856)	(1.62696)	(1.65527)	(1.83825)	(2.28562)	(2.98709)
Estatística t	[0.75459]	[1.33260]	[1.65880]	[1.96391]	[2.15579]	[2.56719]	[2.80142]	[2.73291]
s120(-1)	-1.347155	-4.861848	-5.843206	-6.394761	-6.472409	-6.838048	-6.513449	-6.052024
Erro padrão	(0.94312)	(1.48951)	(1.67969)	(1.88655)	(1.91939)	(2.13156)	(2.65031)	(3.46371)
Estatística t	[-1.42840]	[-3.26407]	[-3.47875]	[-3.38965]	[-3.37212]	[-3.20801]	[-2.45761]	[-1.74727]
s120(-2)	-2.291799	-1.680522	-1.203712	-1.260827	-0.334103	0.563674	0.828970	1.224233
Erro padrão	(1.01376)	(1.60106)	(1.80549)	(2.02785)	(2.06314)	(2.29120)	(2.84881)	(3.72313)
Estatística t	[-2.26070]	[-1.04963]	[-0.66670]	[-0.62176]	[-0.16194]	[0.24602]	[0.29099]	[0.32882]
s120(-3)	-0.480826	0.546908	0.328502	0.156674	0.305521	-0.385420	-1.224988	-2.968882
Erro padrão	(0.92868)	(1.46671)	(1.65398)	(1.85768)	(1.89001)	(2.09893)	(2.60975)	(3.41069)
Estatística t	[-0.51775]	[0.37288]	[0.19861]	[0.08434]	[0.16165]	[-0.18363]	[-0.46939]	[-0.87046]
s180(-1)	-0.314744	-0.461253	-0.510587	-0.655418	-0.477001	-0.591589	-2.107984	-3.597164
Erro padrão	(0.58545)	(0.92462)	(1.04267)	(1.17109)	(1.19147)	(1.32317)	(1.64519)	(2.15011)
Estatística t	[-0.53761]	[-0.49886]	[-0.48969]	[-0.55967]	[-0.40035]	[-0.44710]	[-1.28130]	[-1.67301]
s180(-2)	0.920230	1.751638	1.994602	2.743853	2.522872	2.679623	4.559329	6.303311
Erro padrão	(0.65049)	(1.02735)	(1.15852)	(1.30120)	(1.32385)	(1.47019)	(1.82799)	(2.38901)
Estatística t	[1.41466]	[1.70500]	[1.72168]	[2.10870]	[1.90570]	[1.82264]	[2.49418]	[2.63846]
s180(-3)	0.499017	-0.652674	-0.871653	-1.153362	-1.569385	-1.930658	-3.101030	-3.474089
Erro padrão	(0.70299)	(1.11026)	(1.25202)	(1.40621)	(1.43069)	(1.58884)	(1.97551)	(2.58181)
Estatística t	[0.70985]	[-0.58786]	[-0.69620]	[-0.82019]	[-1.09694]	[-1.21514]	[-1.56974]	[-1.34560]
s360(-1)	0.564554	1.525963	1.813065	2.109606	2.249127	2.600272	3.095821	2.753998
Erro padrão	(0.33106)	(0.52285)	(0.58961)	(0.66223)	(0.67375)	(0.74823)	(0.93033)	(1.21585)
Estatística t	[1.70530]	[2.91853]	[3.07502]	[3.18563]	[3.33821]	[3.47524]	[3.32767]	[2.26508]
s360(-2)	0.105685	-0.042518	-0.119504	-0.385615	-0.432500	-0.711604	-1.268343	-2.165744
Erro padrão	(0.36582)	(0.57775)	(0.65151)	(0.73175)	(0.74449)	(0.82678)	(1.02800)	(1.34350)
Estatística t	[0.28890]	[-0.07359]	[-0.18342]	[-0.52697]	[-0.58093]	[-0.86069]	[-1.23380]	[-1.61202]
s360(-3)	-0.279050	-0.397723	-0.361981	-0.304925	-0.209071	0.034969	0.702889	1.219886
Erro padrão	(0.34240)	(0.54077)	(0.60982)	(0.68492)	(0.69684)	(0.77387)	(0.96221)	(1.25752)
Estatística t	[-0.81497]	[-0.73547]	[-0.59359]	[-0.44520]	[-0.30003]	[0.04519]	[0.73050]	[0.97007]
s720(-1)	-0.196651	-0.378733	-0.396688	-0.382480	-0.381945	-0.299415	0.286837	1.395579
Erro padrão	(0.14548)	(0.22975)	(0.25909)	(0.29100)	(0.29606)	(0.32879)	(0.40881)	(0.53427)
Estatística t	[-1.35179]	[-1.64843]	[-1.53109]	[-1.31437]	[-1.29008]	[-0.91066]	[0.70164]	[2.61211]
s720(-2)	-0.191698	-0.490635	-0.584391	-0.679074	-0.719169	-0.795051	-1.282338	-1.620225
Erro padrão	(0.18709)	(0.29548)	(0.33321)	(0.37424)	(0.38076)	(0.42284)	(0.52575)	(0.68711)
Estatística t	[-1.02463]	[-1.66048]	[-1.75385]	[-1.81453]	[-1.88879]	[-1.88025]	[-2.43906]	[-2.35803]
s720(-3)	0.171167	0.432772	0.486309	0.552050	0.578667	0.593925	0.702344	0.814225
Erro padrão	(0.14160)	(0.22363)	(0.25218)	(0.28324)	(0.28817)	(0.32002)	(0.39791)	(0.52003)
Estatística t	[1.20883]	[1.93522]	[1.92840]	[1.94905]	[2.00807]	[1.85587]	[1.76509]	[1.55673]
C	0.005875	0.015137	0.018935	0.023382	0.024818	0.029679	0.036831	0.041347
Erro padrão	(0.00364)	(0.00575)	(0.00648)	(0.00728)	(0.00741)	(0.00823)	(0.01023)	(0.01337)
Estatística t	[1.61396]	[2.63292]	[2.92077]	[3.21119]	[3.35009]	[3.60740]	[3.60052]	[3.09280]

Tabela A.18: Modelo VAR com todas as taxas e três defasagens.

	s30	s60	s90	s120	s180	s360	s720
s30(-1)	0.595895	0.813079	0.836108	0.979260	0.964319	0.821897	0.505204
Erro padrão	(0.47062)	(0.64470)	(0.83046)	(0.92865)	(1.08830)	(1.45637)	(1.88469)
Estatística t	[1.26618]	[1.26118]	[1.00680]	[1.05450]	[0.88608]	[0.56435]	[0.26806]
s60(-1)	-0.691649	-1.197189	-1.200942	-1.169014	-0.925817	-0.792263	-1.710544
Erro padrão	(0.61731)	(0.84564)	(1.08930)	(1.21808)	(1.42749)	(1.91029)	(2.47210)
Estatística t	[-1.12043]	[-1.41572]	[-1.10249]	[-0.95972]	[-0.64856]	[-0.41473]	[-0.69194]
s90(-1)	0.854400	1.459462	1.457445	1.579400	1.908165	1.952139	2.355346
Erro padrão	(0.84016)	(1.15092)	(1.48255)	(1.65783)	(1.94284)	(2.59993)	(3.36456)
Estatística t	[1.01695]	[1.26808]	[0.98307]	[0.95269]	[0.98215]	[0.75084]	[0.70004]
s120(-1)	-0.226346	-0.353121	-0.173715	-0.515398	-1.135957	-0.314756	1.904268
Erro padrão	(0.92627)	(1.26888)	(1.63449)	(1.82773)	(2.14195)	(2.86639)	(3.70938)
Estatística t	[-0.24436]	[-0.27829]	[-0.10628]	[-0.28199]	[-0.53034]	[-0.10981]	[0.51336]
s180(-1)	-0.672662	-0.954790	-1.278431	-1.284171	-1.507475	-3.161297	-5.013616
Erro padrão	(0.60993)	(0.83554)	(1.07629)	(1.20354)	(1.41045)	(1.88748)	(2.44258)
Estatística t	[-1.10285]	[-1.14272]	[-1.18781]	[-1.06700]	[-1.06879]	[-1.67488]	[-2.05259]
s360(-1)	0.675305	1.015771	1.359578	1.779326	2.349418	3.245467	2.651261
Erro padrão	(0.30594)	(0.41911)	(0.53987)	(0.60369)	(0.70748)	(0.94676)	(1.22520)
Estatística t	[2.20729]	[2.42366]	[2.51836]	[2.94739]	[3.32083]	[3.42798]	[2.16394]
s720(-1)	-0.171204	-0.262295	-0.346466	-0.484732	-0.579480	-0.538530	0.329980
Erro padrão	(0.10167)	(0.13927)	(0.17940)	(0.20061)	(0.23510)	(0.31462)	(0.40715)
Estatística t	[-1.68396]	[-1.88331]	[-1.93121]	[-2.41624]	[-2.46480]	[-1.71170]	[0.81047]
C	0.005587	0.007994	0.011573	0.013165	0.017780	0.025802	0.031801
Erro padrão	(0.00377)	(0.00516)	(0.00665)	(0.00743)	(0.00871)	(0.01166)	(0.01509)
Estatística t	[1.48298]	[1.54893]	[1.74079]	[1.77078]	[2.04074]	[2.21301]	[2.10769]
Hiato	0.002561	0.003794	0.005291	0.003909	0.008681	0.011359	0.020304
Erro padrão	(0.00868)	(0.01189)	(0.01531)	(0.01712)	(0.02007)	(0.02685)	(0.03475)
Estatística t	[0.29517]	[0.31920]	[0.34551]	[0.22830]	[0.43263]	[0.42300]	[0.58427]
IGP-DI	-0.013428	0.011895	0.052514	0.072368	0.173369	0.445195	0.657493
Erro padrão	(0.06672)	(0.09140)	(0.11773)	(0.13165)	(0.15429)	(0.20647)	(0.26719)
Estatística t	[-0.20125]	[0.13014]	[0.44605]	[0.54969]	[1.12368]	[2.15625]	[2.46077]
Selic	1.232278	1.212717	1.185623	0.949379	0.747825	0.462148	0.423268
Erro padrão	(0.11261)	(0.15426)	(0.19870)	(0.22220)	(0.26039)	(0.34846)	(0.45095)
Estatística t	[10.9434]	[7.86172]	[5.96680]	[4.27272]	[2.87189]	[1.32625]	[0.93862]
Hiato(-1)	-0.007313	-0.009686	-0.010574	-0.010410	-0.011010	-0.012173	-0.012342
Erro padrão	(0.00871)	(0.01193)	(0.01537)	(0.01718)	(0.02014)	(0.02695)	(0.03488)
Estatística t	[-0.83970]	[-0.81192]	[-0.68810]	[-0.60577]	[-0.54669]	[-0.45168]	[-0.35390]
IGP-DI(-1)	-0.024396	-0.033612	-0.053132	-0.089821	-0.171015	-0.266928	-0.303557
Erro padrão	(0.07805)	(0.10692)	(0.13773)	(0.15401)	(0.18049)	(0.24153)	(0.31257)
Estatística t	[-0.31256]	[-0.31436]	[-0.38577]	[-0.58321]	[-0.94752]	[-1.10515]	[-0.97118]
Selic(-1)	-0.621328	-0.770975	-0.896977	-0.898114	-0.914202	-0.822019	-0.637158
Erro padrão	(0.21428)	(0.29354)	(0.37812)	(0.42283)	(0.49552)	(0.66311)	(0.85813)
Estatística t	[-2.89956]	[-2.62645]	[-2.37217]	[-2.12406]	[-1.84493]	[-1.23964]	[-0.74249]

Tabela A.19: Modelo VAR com variáveis macro e com todas as taxas e uma defasagem.

	s30	s60	s90	s120	s180	s360	s720
s30(-1)	-0.486148	-0.428256	-0.428768	-0.244798	-0.390667	-0.464064	-0.398253
Erro padrão	(0.67700)	(0.87950)	(1.09229)	(1.19094)	(1.39993)	(1.83220)	(2.43995)
Estatística t	[-0.71809]	[-0.48693]	[-0.39254]	[-0.20555]	[-0.27906]	[-0.25328]	[-0.16322]
s30(-2)	0.344570	0.397556	0.396042	0.607676	0.951667	1.447077	1.269042
Erro padrão	(0.49389)	(0.64162)	(0.79685)	(0.86882)	(1.02129)	(1.33664)	(1.78001)
Estatística t	[0.69767]	[0.61961]	[0.49701]	[0.69942]	[0.93183]	[1.08262]	[0.71294]
s30(-3)	0.211880	0.465097	0.671849	0.553137	0.294630	-0.082755	-0.355661
Erro padrão	(0.36812)	(0.47824)	(0.59394)	(0.64758)	(0.76122)	(0.99628)	(1.32674)
Estatística t	[0.57557]	[0.97253]	[1.13117]	[0.85415]	[0.38705]	[-0.08306]	[-0.26807]
s60(-1)	0.227861	-0.169751	-0.156425	-0.287511	0.078171	0.420357	-0.762222
Erro padrão	(0.95327)	(1.23841)	(1.53803)	(1.67694)	(1.97121)	(2.57988)	(3.43564)
Estatística t	[0.23903]	[-0.13707]	[-0.10171]	[-0.17145]	[0.03966]	[0.16294]	[-0.22186]
s60(-2)	0.565249	0.962160	1.446688	1.569890	1.406644	1.602642	1.883081
Erro padrão	(0.72845)	(0.94634)	(1.17530)	(1.28145)	(1.50631)	(1.97144)	(2.62537)
Estatística t	[0.77596]	[1.01672]	[1.23091]	[1.22509]	[0.93383]	[0.81293]	[0.71726]
s60(-3)	-1.186573	-1.757515	-2.510528	-2.909138	-3.543939	-4.416381	-4.750544
Erro padrão	(0.52828)	(0.68630)	(0.85235)	(0.92933)	(1.09241)	(1.42972)	(1.90397)
Estatística t	[-2.24609]	[-2.56085]	[-2.94543]	[-3.13037]	[-3.24416]	[-3.08898]	[-2.49508]
s90(-1)	3.266715	4.602085	5.246276	5.432039	5.606184	6.055996	6.807490
Erro padrão	(0.87373)	(1.13507)	(1.40970)	(1.53702)	(1.80673)	(2.36462)	(3.14897)
Estatística t	[3.73883]	[4.05444]	[3.72157]	[3.53415]	[3.10294]	[2.56109]	[2.16181]
s90(-2)	-0.696067	-1.210400	-1.600156	-2.287679	-2.926392	-4.002283	-4.421772
Erro padrão	(0.97197)	(1.26270)	(1.56820)	(1.70984)	(2.00988)	(2.63050)	(3.50305)
Estatística t	[-0.71614]	[-0.95858]	[-1.02038]	[-1.33795]	[-1.45600]	[-1.52149]	[-1.26227]
s90(-3)	0.570997	1.042219	1.582192	1.983887	2.907700	5.029132	7.033703
Erro padrão	(0.82429)	(1.07085)	(1.32994)	(1.45005)	(1.70451)	(2.23083)	(2.97081)
Estatística t	[0.69271]	[0.97326]	[1.18967]	[1.36815]	[1.70589]	[2.25437]	[2.36760]
s120(-1)	-4.066300	-5.270017	-6.024794	-6.395457	-6.918342	-7.189701	-5.610978
Erro padrão	(1.13613)	(1.47596)	(1.83306)	(1.99862)	(2.34934)	(3.07477)	(4.09468)
Estatística t	[-3.57908]	[-3.57056]	[-3.28674]	[-3.19994]	[-2.94481]	[-2.33829]	[-1.37031]
s120(-2)	-0.774050	-0.888809	-1.387305	-0.562949	0.331792	0.508830	0.714693
Erro padrão	(1.37985)	(1.79258)	(2.22628)	(2.42735)	(2.85331)	(3.73436)	(4.97306)
Estatística t	[-0.56097]	[-0.49583]	[-0.62315]	[-0.23192]	[0.11628]	[0.13626]	[0.14371]
s120(-3)	1.189375	1.198269	1.315701	1.448151	1.300833	-0.420643	-2.789978
Erro padrão	(1.06460)	(1.38304)	(1.71765)	(1.87278)	(2.20142)	(2.88118)	(3.83688)
Estatística t	[1.11721]	[0.86640]	[0.76599]	[0.77326]	[0.59091]	[-0.14600]	[-0.72715]
s180(-1)	0.830392	1.036893	1.075525	1.261366	1.179108	0.016817	-1.767372
Erro padrão	(0.65969)	(0.85702)	(1.06436)	(1.16049)	(1.36414)	(1.78536)	(2.37757)
Estatística t	[1.25876]	[1.20989]	[1.01049]	[1.08692]	[0.86436]	[0.00942]	[-0.74335]
s180(-2)	1.295109	1.713323	2.540420	2.218066	2.075231	3.498634	4.515985
Erro padrão	(0.74099)	(0.96263)	(1.19553)	(1.30350)	(1.53224)	(2.00537)	(2.67056)
Estatística t	[1.74782]	[1.77984]	[2.12494]	[1.70162]	[1.35438]	[1.74463]	[1.69102]
s180(-3)	-0.844876	-1.025531	-1.293038	-1.553906	-1.798881	-2.034325	-1.719677
Erro padrão	(0.72245)	(0.93854)	(1.16561)	(1.27089)	(1.49390)	(1.95520)	(2.60374)
Estatística t	[-1.16947]	[-1.09269]	[-1.10932]	[-1.22269]	[-1.20415]	[-1.04047]	[-0.66046]
s360(-1)	0.225901	0.307644	0.460649	0.680890	1.097577	1.626669	1.140907
Erro padrão	(0.36321)	(0.47185)	(0.58602)	(0.63894)	(0.75106)	(0.98298)	(1.30904)
Estatística t	[0.62196]	[0.65199]	[0.78607]	[1.06565]	[1.46136]	[1.65483]	[0.87156]
s360(-2)	0.095896	0.154379	0.023044	0.037292	-0.161455	-0.793187	-1.539453
Erro padrão	(0.36512)	(0.47434)	(0.58910)	(0.64230)	(0.75501)	(0.98815)	(1.31592)
Estatística t	[0.26264]	[0.32546]	[0.03912]	[0.05806]	[-0.21384]	[-0.80270]	[-1.16987]
s360(-3)	-0.001390	0.006935	0.032040	0.046399	0.071200	0.672662	1.138296
Erro padrão	(0.38099)	(0.49495)	(0.61470)	(0.67022)	(0.78783)	(1.03109)	(1.37311)
Estatística t	[-0.00365]	[0.01401]	[0.05212]	[0.06923]	[0.09038]	[0.65238]	[0.82899]
s720(-1)	0.112970	0.174380	0.239131	0.180982	0.159243	0.586330	1.605738
Erro padrão	(0.16747)	(0.21756)	(0.27020)	(0.29461)	(0.34630)	(0.45324)	(0.60358)
Estatística t	[0.67456]	[0.80151]	[0.88500]	[0.61432]	[0.45984]	[1.29365]	[2.66036]
s720(-2)	-0.361604	-0.507912	-0.636180	-0.661351	-0.640053	-0.872392	-0.977972
Erro padrão	(0.20003)	(0.25986)	(0.32273)	(0.35188)	(0.41363)	(0.54135)	(0.72091)
Estatística t	[-1.80777]	[-1.95456]	[-1.97124]	[-1.87949]	[-1.54742]	[-1.61152]	[-1.35657]
s720(-3)	0.021449	0.041368	0.082947	0.126978	0.168343	0.141023	0.156051
Erro padrão	(0.17181)	(0.22321)	(0.27721)	(0.30225)	(0.35529)	(0.46499)	(0.61923)
Estatística t	[0.12484]	[0.18533]	[0.29922]	[0.42011]	[0.47383]	[0.30328]	[0.25201]
C	0.005188	0.008332	0.012139	0.013990	0.018699	0.025752	0.031764
Erro padrão	(0.00373)	(0.00484)	(0.00601)	(0.00656)	(0.00771)	(0.01009)	(0.01344)
Estatística t	[1.39155]	[1.72039]	[2.01823]	[2.13331]	[2.42564]	[2.55239]	[2.36408]

Tabela A.20: Modelo VAR com variáveis macro e com todas as taxas e três defasagens.

Hiato	-0.000879	-0.001339	-0.000348	-0.002093	0.000642	0.000995	-0.000248
Erro padrão	(0.00816)	(0.01060)	(0.01316)	(0.01435)	(0.01687)	(0.02208)	(0.02941)
Estatística t	[-0.10772]	[-0.12635]	[-0.02640]	[-0.14581]	[0.03808]	[0.04508]	[-0.00842]
IGP-DI	-0.017129	-0.015568	0.000334	0.047455	0.181482	0.365385	0.484584
Erro padrão	(0.07839)	(0.10184)	(0.12648)	(0.13790)	(0.16210)	(0.21216)	(0.28253)
Estatística t	[-0.21850]	[-0.15286]	[0.00264]	[0.34412]	[1.11956]	[1.72225]	[1.71517]
Selic	1.336786	1.361090	1.363705	1.208594	1.091051	0.874782	0.804707
Erro padrão	(0.14400)	(0.18707)	(0.23234)	(0.25332)	(0.29777)	(0.38972)	(0.51899)
Estatística t	[9.28313]	[7.27564]	[5.86954]	[4.77101]	[3.66404]	[2.24464]	[1.55052]
Hiato(-1)	-0.008683	-0.013464	-0.018225	-0.018780	-0.019626	-0.020306	-0.011419
Erro padrão	(0.00906)	(0.01177)	(0.01462)	(0.01594)	(0.01874)	(0.02452)	(0.03266)
Estatística t	[-0.95825]	[-1.14373]	[-1.24659]	[-1.17810]	[-1.04740]	[-0.82800]	[-0.34966]
IGP-DI(-1)	-0.067852	-0.069447	-0.087903	-0.132451	-0.214118	-0.385921	-0.416605
Erro padrão	(0.07868)	(0.10222)	(0.12695)	(0.13841)	(0.16270)	(0.21294)	(0.28358)
Estatística t	[-0.86235]	[-0.67940]	[-0.69243]	[-0.95692]	[-1.31601]	[-1.81233]	[-1.46911]
Selic(-1)	-0.856752	-1.145820	-1.420916	-1.454468	-1.522978	-1.586525	-1.628433
Erro padrão	(0.30990)	(0.40259)	(0.50000)	(0.54515)	(0.64082)	(0.83869)	(1.11689)
Estatística t	[-2.76464]	[-2.84611]	[-2.84186]	[-2.66800]	[-2.37662]	[-1.89167]	[-1.45801]
Hiato(-2)	0.005510	0.011071	0.018188	0.027762	0.036784	0.049319	0.067925
Erro padrão	(0.00899)	(0.01168)	(0.01450)	(0.01581)	(0.01859)	(0.02433)	(0.03240)
Estatística t	[0.61296]	[0.94798]	[1.25402]	[1.75563]	[1.97891]	[2.02725]	[2.09661]
IGP-DI(-2)	-0.155947	-0.226393	-0.297046	-0.330710	-0.386607	-0.393280	-0.518640
Erro padrão	(0.07800)	(0.10133)	(0.12584)	(0.13721)	(0.16129)	(0.21109)	(0.28111)
Estatística t	[-1.99937]	[-2.23425]	[-2.36043]	[-2.41026]	[-2.39701]	[-1.86309]	[-1.84498]
Selic(-2)	-0.110219	-0.153193	-0.225162	-0.391728	-0.508770	-0.954725	-0.996377
Erro padrão	(0.31057)	(0.40346)	(0.50108)	(0.54633)	(0.64220)	(0.84050)	(1.11930)
Estatística t	[-0.35490]	[-0.37970]	[-0.44936]	[-0.71702]	[-0.79223]	[-1.13590]	[-0.89018]
Hiato(-3)	-0.014352	-0.019047	-0.023554	-0.029586	-0.035224	-0.056652	-0.085984
Erro padrão	(0.00828)	(0.01075)	(0.01335)	(0.01456)	(0.01711)	(0.02240)	(0.02983)
Estatística t	[-1.73419]	[-1.77154]	[-1.76398]	[-2.03218]	[-2.05824]	[-2.52935]	[-2.88273]
IGP-DI(-3)	0.190607	0.263758	0.319896	0.323787	0.356648	0.301932	0.261557
Erro padrão	(0.07601)	(0.09875)	(0.12264)	(0.13371)	(0.15718)	(0.20571)	(0.27395)
Estatística t	[2.50762]	[2.67105]	[2.60845]	[2.42148]	[2.26906]	[1.46773]	[0.95477]
Selic(-3)	0.072385	0.063244	0.156619	0.333560	0.600328	1.206135	1.483853
Erro padrão	(0.19555)	(0.25405)	(0.31551)	(0.34401)	(0.40437)	(0.52924)	(0.70479)
Estatística t	[0.37015]	[0.24894]	[0.49640]	[0.96963]	[1.48458]	[2.27900]	[2.10539]

Tabela A.21: Continuação da tabela A.20.

A seguir mostramos os modelos com restrições de zero, onde o critério utilizado para restringir a zero os coeficientes dos modelos VAR foi o valor da estatística t menor que 1.645 e maior que -1.645 . Já o critério utilizado para os coeficientes para a equação que relaciona cada uma das taxas de swap com as variáveis macro foi o p-valor maior que 0.1. Em ambos os casos, os coeficientes que não se tornaram nulos foram recalculados e os novos valores são apresentados abaixo. As estruturas a seguir são respectivamente os modelos VAR restritos com variáveis macro e taxa de swap de 30, 69, 90, 120, 180, 360 e 720 com uma defasagem, o modelo VAR restrito com todas as taxas com uma defasagem e o modelo VAR restrito com bloco de variáveis macro e todas as taxas com uma defasagem.

$$\begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 1.295999 & 1 \end{bmatrix} \begin{bmatrix} Hiato \\ IGP - DI \\ Selic \\ S30 \end{bmatrix} = \begin{bmatrix} 0.780814 & 0 & 0 & 0 \\ 0 & 0.768641 & 0 & 0 \\ 0 & 0.244124 & 0.955316 & 0 \\ 0 & 0 & -0.801734 & 0.466369 \end{bmatrix} \begin{bmatrix} Hiato(-1) \\ IGP - DI(-1) \\ Selic(-1) \\ S30(-1) \end{bmatrix} +$$

$$+ \begin{bmatrix} 0 \\ 0 \\ 0.005036 \\ 0.008087 \end{bmatrix} + \begin{bmatrix} \varepsilon_{Hiato} \\ \varepsilon_{IGP-DI} \\ \varepsilon_{Selic} \\ \varepsilon_{S30} \end{bmatrix} \quad (A-1)$$

$$\begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0.148866 & 1.226928 & 1 \end{bmatrix} \begin{bmatrix} Hiato \\ IGP - DI \\ Selic \\ S60 \end{bmatrix} = \begin{bmatrix} 0.780814 & 0 & 0 & 0 \\ 0 & 0.768641 & 0 & 0 \\ 0 & 0.244124 & 0.955316 & 0 \\ 0 & 0 & -0.866358 & 0.578541 \end{bmatrix} \begin{bmatrix} Hiato(-1) \\ IGP - DI(-1) \\ Selic(-1) \\ S60(-1) \end{bmatrix} + \begin{bmatrix} 0 \\ 0 \\ 0.005036 \\ 0.010924 \end{bmatrix} + \begin{bmatrix} \varepsilon_{Hiato} \\ \varepsilon_{IGP-DI} \\ \varepsilon_{Selic} \\ \varepsilon_{S60} \end{bmatrix} \quad (A-2)$$

$$\begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0.216991 & 1.121776 & 1 \end{bmatrix} \begin{bmatrix} Hiato \\ IGP - DI \\ Selic \\ S90 \end{bmatrix} = \begin{bmatrix} 0.780814 & 0 & 0 & 0 \\ 0 & 0.768641 & 0 & 0 \\ 0 & 0.244124 & 0.955316 & 0 \\ 0 & 0 & -0.866563 & 0.660253 \end{bmatrix} \begin{bmatrix} Hiato(-1) \\ IGP - DI(-1) \\ Selic(-1) \\ S90(-1) \end{bmatrix} + \begin{bmatrix} 0 \\ 0 \\ 0.005036 \\ 0.014710 \end{bmatrix} + \begin{bmatrix} \varepsilon_{Hiato} \\ \varepsilon_{IGP-DI} \\ \varepsilon_{Selic} \\ \varepsilon_{S90} \end{bmatrix} \quad (A-3)$$

$$\begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0.231332 & 0.943497 & 1 \end{bmatrix} \begin{bmatrix} Hiato \\ IGP - DI \\ Selic \\ S120 \end{bmatrix} = \begin{bmatrix} 0.780814 & 0 & 0 & 0 \\ 0 & 0.768641 & 0 & 0 \\ 0 & 0.244124 & 0.955316 & 0 \\ 0 & 0 & -0.801856 & 0.759767 \end{bmatrix} \begin{bmatrix} Hiato(-1) \\ IGP - DI(-1) \\ Selic(-1) \\ S120(-1) \end{bmatrix} + \begin{bmatrix} 0 \\ 0 \\ 0.005036 \\ 0.016857 \end{bmatrix} + \begin{bmatrix} \varepsilon_{Hiato} \\ \varepsilon_{IGP-DI} \\ \varepsilon_{Selic} \\ \varepsilon_{S120} \end{bmatrix} \quad (A-4)$$

$$\begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0.335777 & 0.792477 & 1 \end{bmatrix} \begin{bmatrix} Hiato \\ IGP - DI \\ Selic \\ S180 \end{bmatrix} = \begin{bmatrix} 0.780814 & 0 & 0 & 0 \\ 0 & 0.768641 & 0 & 0 \\ 0 & 0.244124 & 0.955316 & 0 \\ 0 & 0 & -0.704134 & 0.788250 \end{bmatrix} \begin{bmatrix} Hiato(-1) \\ IGP - DI(-1) \\ Selic(-1) \\ S180(-1) \end{bmatrix} + \begin{bmatrix} 0 \\ 0 \\ 0.005036 \\ 0.020429 \end{bmatrix} + \begin{bmatrix} \varepsilon_{Hiato} \\ \varepsilon_{IGP-DI} \\ \varepsilon_{Selic} \\ \varepsilon_{S180} \end{bmatrix} \quad (A-5)$$

$$\begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0.523997 & 0 & 1 \end{bmatrix} \begin{bmatrix} Hiato \\ IGP - DI \\ Selic \\ S360 \end{bmatrix} = \begin{bmatrix} 0.780814 & 0 & 0 & 0 \\ 0 & 0.768641 & 0 & 0 \\ 0 & 0.244124 & 0.955316 & 0 \\ 0 & 0 & -0.057782 & 0.883401 \end{bmatrix} \begin{bmatrix} Hiato(-1) \\ IGP - DI(-1) \\ Selic(-1) \\ S360(-1) \end{bmatrix} + \begin{bmatrix} 0 \\ 0 \\ 0.005036 \\ 0.026669 \end{bmatrix} + \begin{bmatrix} \varepsilon_{Hiato} \\ \varepsilon_{IGP-DI} \\ \varepsilon_{Selic} \\ \varepsilon_{S360} \end{bmatrix} \quad (A-6)$$

$$\begin{bmatrix} 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0.839709 & 0 & 1 \end{bmatrix} \begin{bmatrix} Hiato \\ IGP - DI \\ Selic \\ S720 \end{bmatrix} = \begin{bmatrix} 0.780814 & 0 & 0 & 0 \\ 0 & 0.768641 & 0 & 0 \\ 0 & 0.244124 & 0.955316 & 0 \\ 0 & 0 & 0 & 0.836961 \end{bmatrix} \begin{bmatrix} Hiato(-1) \\ IGP - DI(-1) \\ Selic(-1) \\ S720(-1) \end{bmatrix} + \\ + \begin{bmatrix} 0 \\ 0 \\ 0.005036 \\ 0.023981 \end{bmatrix} + \begin{bmatrix} \varepsilon_{Hiato} \\ \varepsilon_{IGP-DI} \\ \varepsilon_{Selic} \\ \varepsilon_{S720} \end{bmatrix} \tag{A-7}$$

$$\begin{bmatrix} Selic \\ S30 \\ S60 \\ S90 \\ S120 \\ S180 \\ S360 \\ S720 \end{bmatrix} = \begin{bmatrix} 0.765924 & -0.034642 & -1.431579 & 3.045360 & -1.353313 & 0 & 0 & 0 \\ 0 & 0.059468 & 0 & 1.955986 & -1.024398 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1.419907 & -0.427676 & 0 & 0 & 0 \\ 0 & 0 & 0 & 3.026239 & -2.988968 & 0 & 1.250901 & -0.351477 \\ 0 & 0 & 0 & 0.537036 & 0 & 0 & 0.451357 & -0.082200 \\ 0 & 0 & 0 & 0.246616 & 0 & 0 & 0.731797 & -0.098878 \\ 0 & 0 & 0 & 0 & 0 & -0.668455 & 1.645828 & -0.146489 \\ 0 & 0 & 0 & 0 & 0 & -1.509158 & 2.369519 & 0 \end{bmatrix} \\ + \begin{bmatrix} Selic(-1) \\ S30(-1) \\ S60(-1) \\ S90(-1) \\ S120(-1) \\ S180(-1) \\ S360(-1) \\ S720(-1) \end{bmatrix} + \begin{bmatrix} 0 \\ 0 \\ 0 \\ 0.010784 \\ 0.015167 \\ 0.019733 \\ 0.028526 \\ 0.025497 \end{bmatrix} + \begin{bmatrix} \varepsilon_{Selic} \\ \varepsilon_{S30} \\ \varepsilon_{S60} \\ \varepsilon_{S90} \\ \varepsilon_{S120} \\ \varepsilon_{S180} \\ \varepsilon_{S360} \\ \varepsilon_{S720} \end{bmatrix} \tag{A-8}$$

$$\begin{bmatrix} S30 \\ S60 \\ S90 \\ S120 \\ S180 \\ S360 \\ S720 \end{bmatrix} = \begin{bmatrix} 0 & 0 & 0 & 0 & 0 & 0.226644 & -0.093738 \\ 0 & 0 & 0 & 0 & 0 & 0.406905 & -0.154802 \\ 0 & 0 & 0 & 0 & 0 & 0.502764 & -0.150282 \\ 0 & 0 & 0 & 0 & 0 & 0.747405 & -0.234122 \\ 0 & 0 & 0 & 0 & 0 & 0.867021 & -0.196451 \\ 0 & 0 & 0 & 0 & -0.246235 & 1.171104 & -0.088845 \\ 0 & 0 & 0 & 0 & -0.999437 & 1.873862 & 0 \end{bmatrix} \begin{bmatrix} S30(-1) \\ S60(-1) \\ S90(-1) \\ S120(-1) \\ S180(-1) \\ S360(-1) \\ S720(-1) \end{bmatrix} + \\ + \begin{bmatrix} 0 & 0 & 1.376238 \\ 0 & 0 & 1.409327 \\ 0 & 0 & 1.371329 \\ 0 & 0 & 1.132105 \\ 0 & 0 & 0.922626 \\ 0 & 0.505306 & 0 \\ 0 & 0.692136 & 0 \end{bmatrix} \begin{bmatrix} Hiato \\ IGP - DI \\ Selic \end{bmatrix} + \begin{bmatrix} 0 & 0 & -0.505022 \\ 0 & 0 & -0.655578 \\ 0 & 0 & -0.783559 \\ 0 & 0 & -0.714662 \\ 0 & 0 & -0.703785 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{bmatrix} \begin{bmatrix} Hiato(-1) \\ IGP - DI(-1) \\ Selic(-1) \end{bmatrix} + \begin{bmatrix} 0 \\ 0 \\ 0.011573 \\ 0.013394 \\ 0.020092 \\ 0.025103 \\ 0.019797 \end{bmatrix} + \begin{bmatrix} \varepsilon_{S30} \\ \varepsilon_{S60} \\ \varepsilon_{S90} \\ \varepsilon_{S120} \\ \varepsilon_{S180} \\ \varepsilon_{S360} \\ \varepsilon_{S720} \end{bmatrix} \tag{A-9}$$