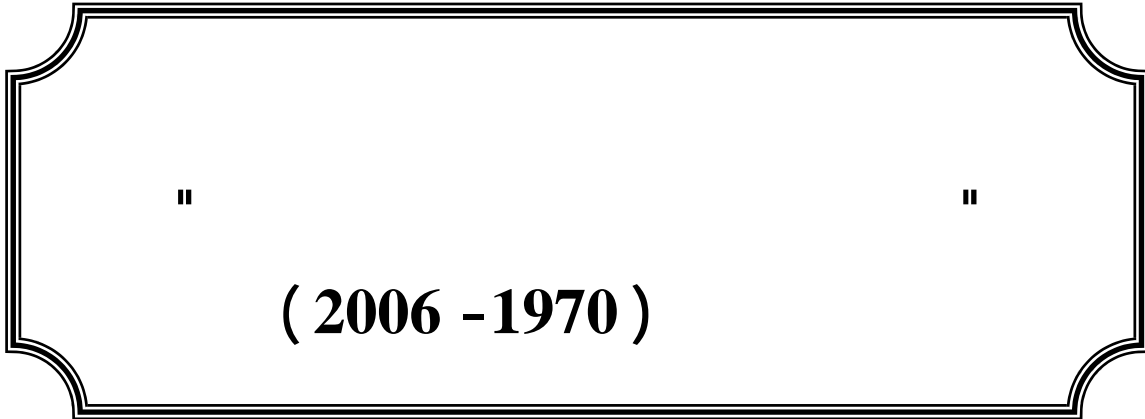


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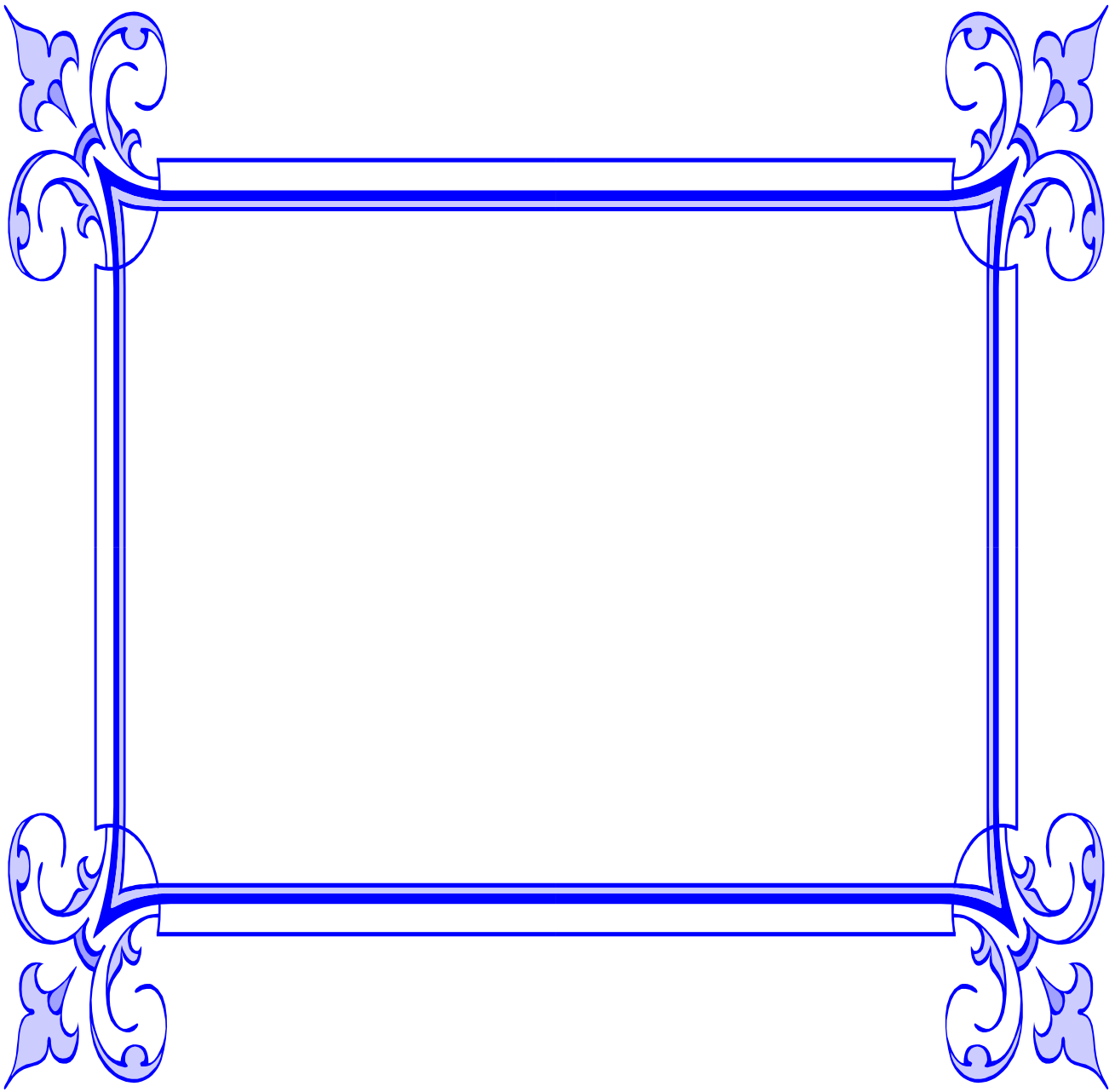
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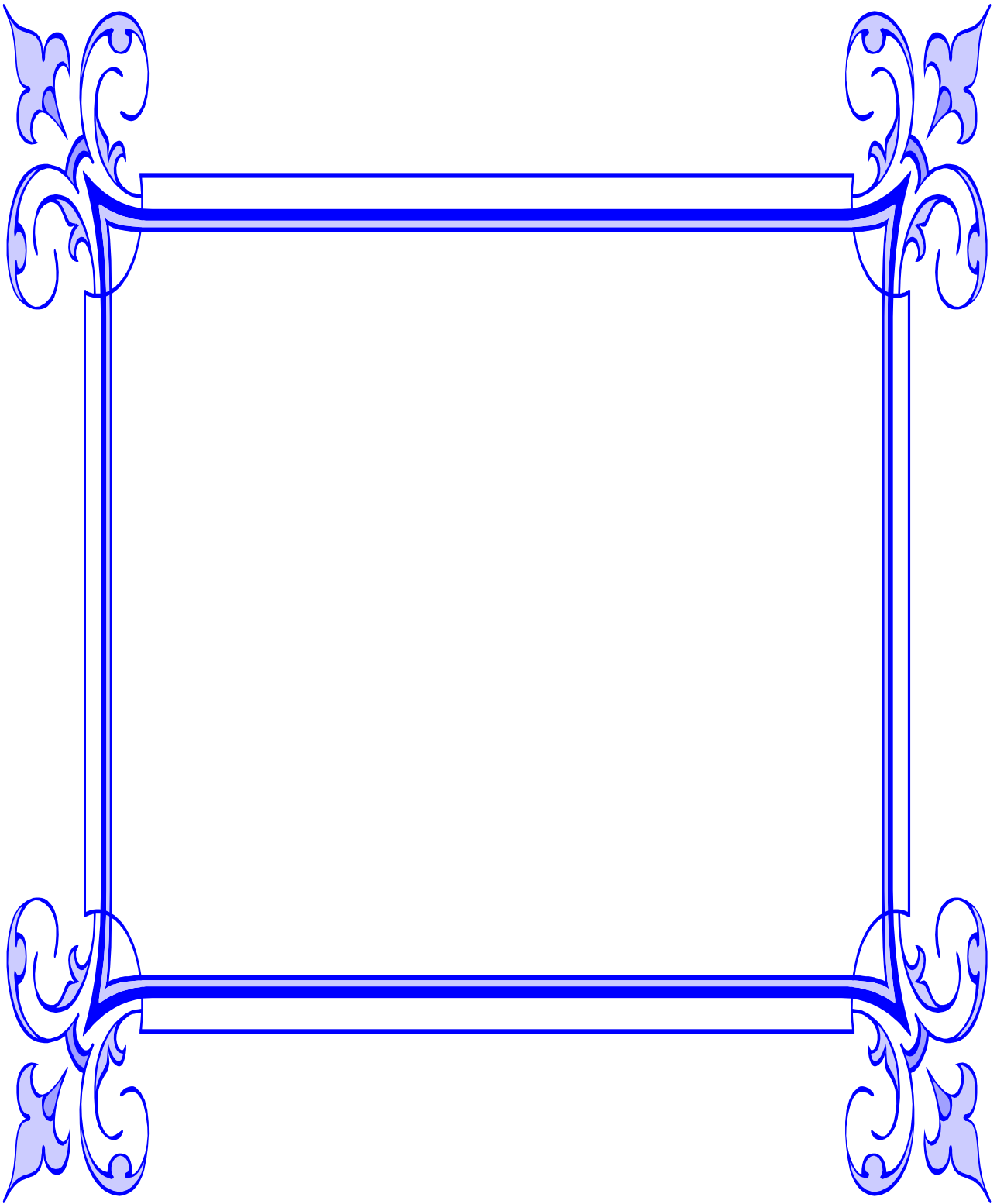
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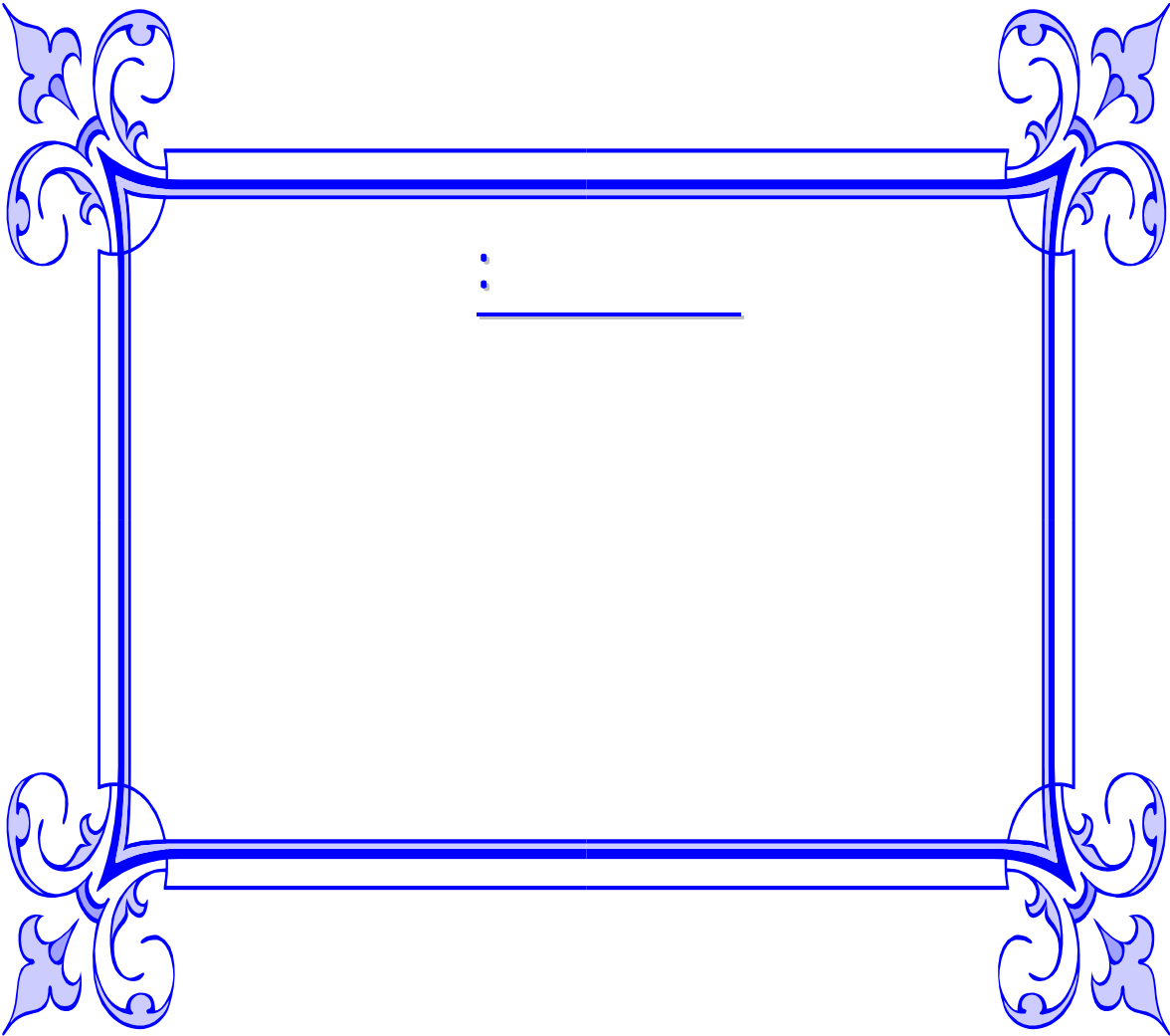
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1- Adda Jaque, La Mondialisation, génés casbah, éditions, Alger, 1998, p 03.

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¹ - Yadwiga Forowicz, Economie international a l'heur des grands transformation, Edition beau chemin, Itée, Paris, 1995, p 123.

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¹ - Samir Amin, **Les défis de la mondialisation**, éditions L'harmattan, Année 1996, p 157

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³ - Pierre Grou, Mondialisation financière, site: [http:// www.c3ed.uvsq.f/c3ed / axc6/ gou.pdf](http://www.c3ed.uvsq.f/c3ed/axc6/gou.pdf). p 03. page consulté 15/07/07.

⁴ - Marc Flandreau, Le début de l'histoire : globalisation financière et relation internationales, Année 2000, site : [http:// www.ifri.org/front dis pat cher/ ifri / entreprise, p 676](http://www.ifri.org/front_dis_pat_cher/ifri/entreprise_p_676). page consulté 15/07/07.

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¹ - F.Teulon , **Les marchés des capitaux**, Ed seuil, 1997, p 92.

² - D.Plihon, **Les enjeux de la globalisation financière**, Casabah Edition. 1997, p73.

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¹ - F.Teulon, **la nouvelle économie mondiale**, ED Puf, 1998, p220.

² - H.Bouguinat, **Finance internationale**, Ed PUF, 1992, p111.

³ - D.Plihon, **La montée en puissance de la finance spéculative**, 1996, Ed Economica ,P9.

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¹ - F.Teulon, op.cit, p 75.

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Philippe Dalvisement jean et piète, **Economie internationale la place des banque**, paris, 1999, p95. :

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⁴ - R. Bien, **Global Financial Integration: The End of Geography**, The Royal Institute of International Affairs, London, 1999, p 105.

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² - IFM, World Economic Outlook, Washington, 1998, p 181.

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² - UNCTAD, **World Investment**, Trends and Determinants, Report 1998.

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²- Caddington , **Capital Flight : Issues, Estimates, and Explanations**, Princeton Essays in International finance, 1998, p 58.

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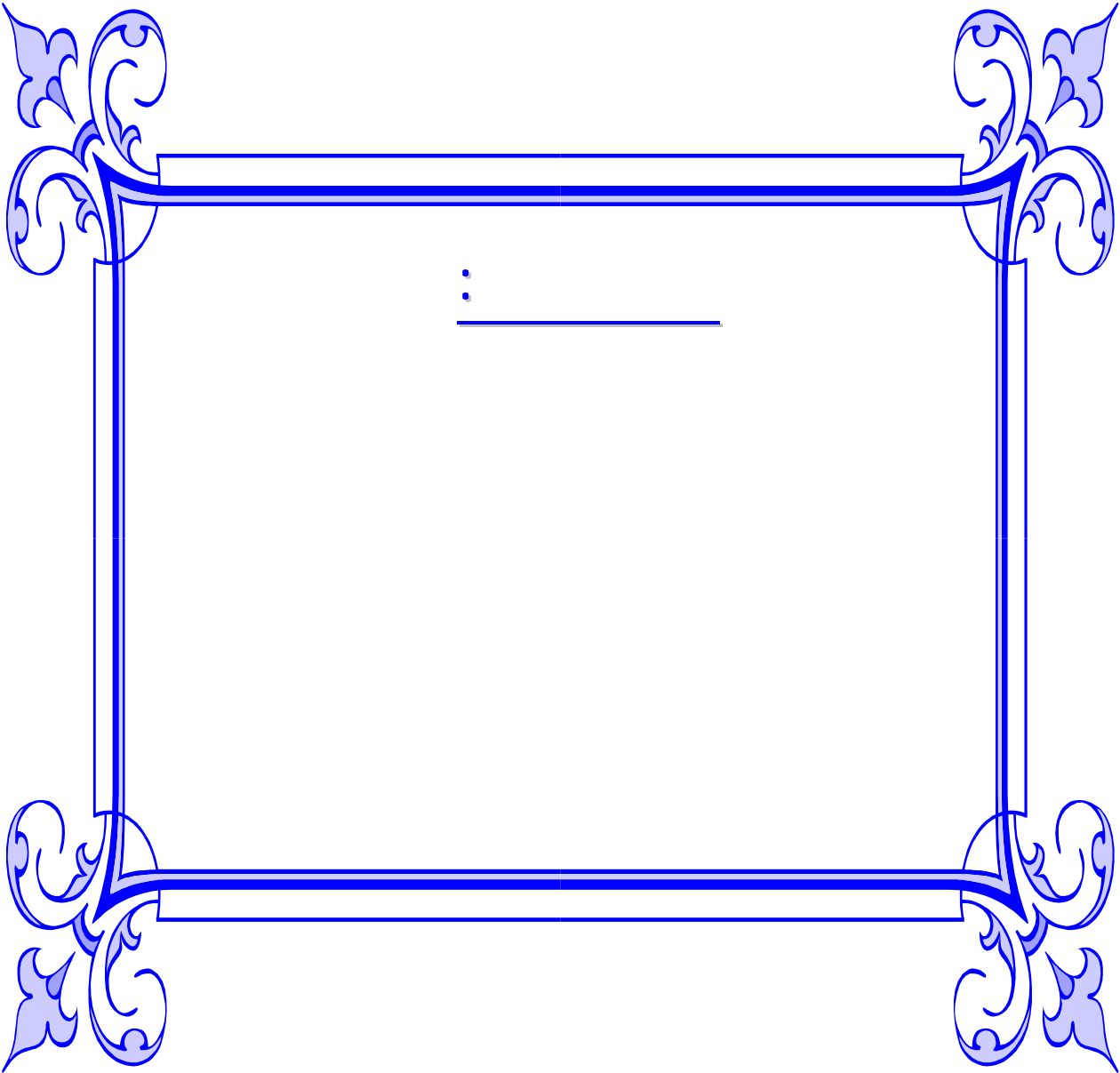
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* - **FMI: Fond Monétaire International**

¹ - Manuel de FMI , 4 éme édition, 1997, p 66.

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** OMC: Organisation Mondiale du Commerce

² - Denis Tersen, Jean- Luc Bricout, **L'investissement international**, édition Armond Colin, 1995, p 5.

*** OCDE: Organisation de Coopération et de Développement Economique.

³ - Bertrand Bellan et Radaha Gouia, **Investissements direct étrangers et développement industrielle méditerranéen**, édition: Economica, paris, 1998, p 3.

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⁵ - Lindert Peter , Thomas.A. Pugel, **Economie international**, 10 ème édition, paris, France, 1997, p 322

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⁴ - Bernard Hugnier, **L'investissement direct**, Economica, paris, France, 1984, p 13.

⁶ - Bertrand Raymond, **économie financière internationale**, édition P. U. F, paris, 1979, p 49.

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² - Jaque Pertim, **Transfères technologies**, édition la découverte, paris, France. 1993.p 53 .

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² - Jean Pierre Bibeau, **Introduction à l' économie Intèrnational**, 2 ème édition Gaetan Morin, canada, 1993, p 162.

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¹ - Mohamed Benouna, **Droit international du développement**, paris, berger- Ievrault, 1983, p 75.
² - Wladimir Andreff, **Les multinationales, édition la découvert**, paris, France, 2003, p p 82-86.

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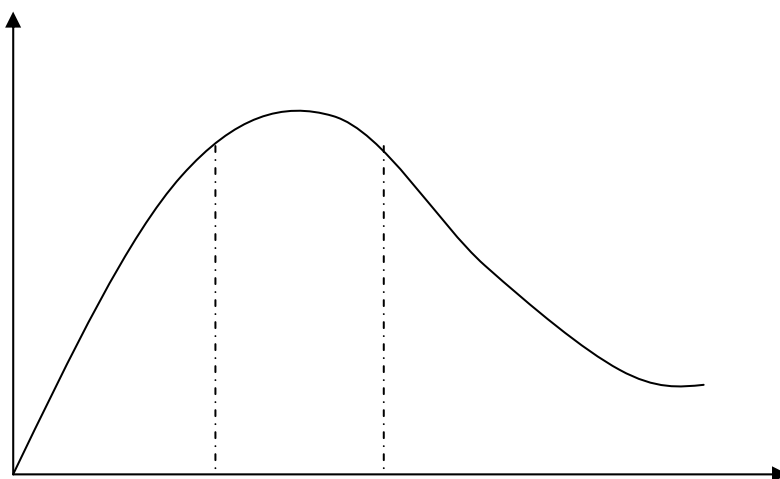
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Source : Pierre Jacquemol, **La Firme Multinationale, une introduction économique**, Edition économique, 1990,p 60.

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2004	2003	2002	2001	2000	1999	-93 98	2004	2003	2002	2001	2000	1999	-93 98	
87.3	93.6	92.0	89.1	88.2	61.8	85.9	58.6	69.9	76.5	62.2	81.3	77.7	63.8	
11.4	4.7	7.3	10.6	11.6	8	13.8	36	26.3	21.7	26.4	18.1	21.3	34.6	
1.3	1.7	0.7	0.4	0.3	0.2	0.3	5.4	3.8	1.8	1.4	0.6	1	1.6	

2004

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2003

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2004

648

233 % 40

% 14

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2004

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2006

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2004 : % 18 -

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260

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2004	2003	2002	2001	2000	1999	1998	1997	
102	82	70	71	69	63	60	76	
235	230	236	194	147	131	136	135	()
36	24	12	14	3	9	9	16	()

2005

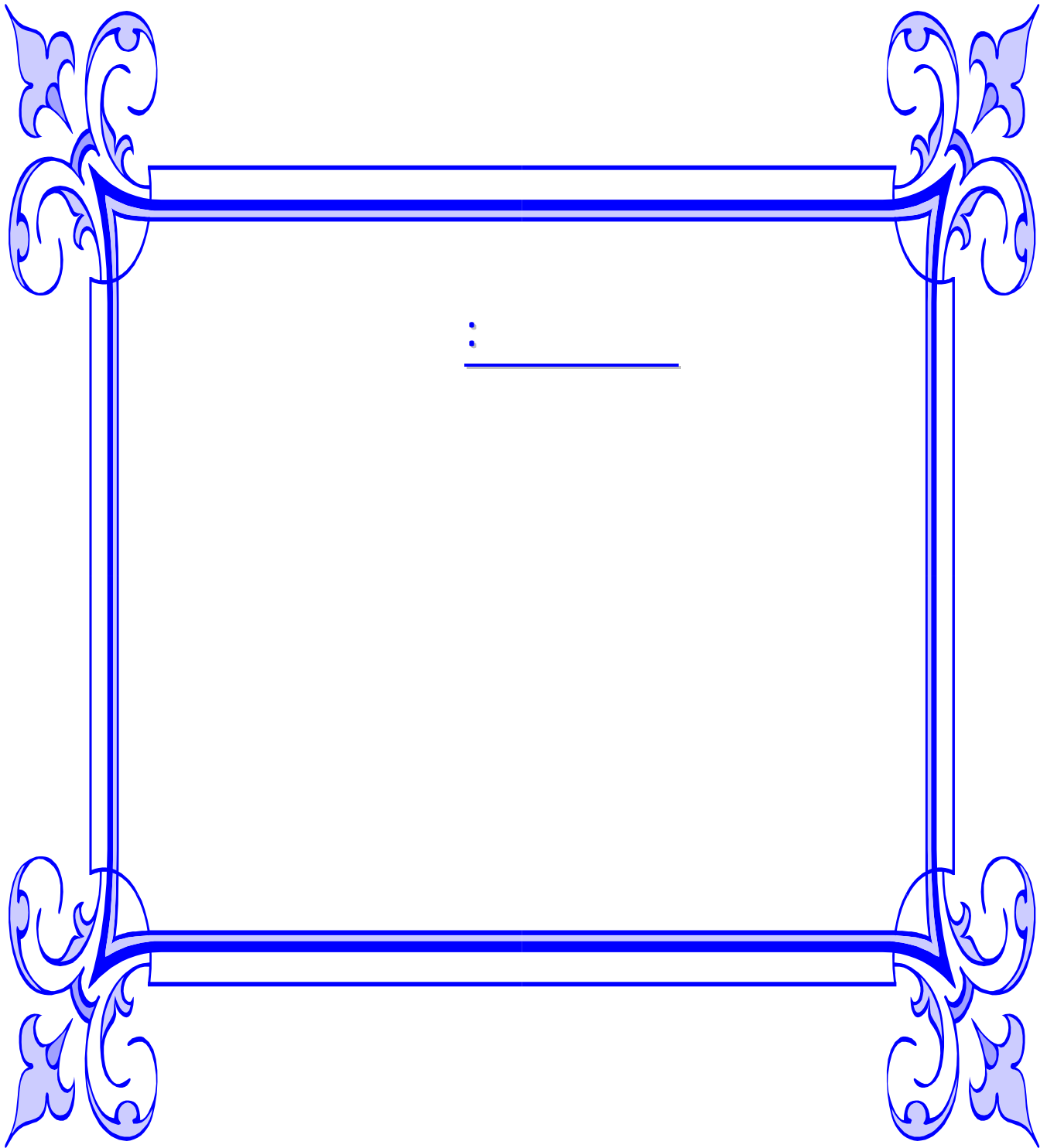
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2006 -2000

2006 -2000

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2006	2005	2004	2003	2002	2001	2000	
52.88	46.38	32.22	24.45	18.71	19.09	21.65	(X)
21.00	19.57	17.95	13.32	12.01	09.48	9.35	(M)
31.88	26.81	14.27	11.13	06.70	09.61	12.30	(*)
339.51	237	179.50	183.55	155.78	201.37	231.55	(**)

.(X-M)

(*)

(**): TC : Taux de Couverture, $TC = \frac{X}{M} * 100$

-

www.bank-of-algeria.dz :

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2006 -2000

31.88

2006

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.50 2002

2007

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4.7

2007-1993**:(2-3)**

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1999	1998	1997	1996	1995	1994	1993	
28.3	30.5	31.2	33.6	31.5	29.5	25.7	

2007	2006	2005	2004	2003	2002	2001	2000	
4.7	4.7	17.2	21.4	23.5	22.6	22.6	25.3	

Source:

- Banque d'Algérie- **rapport annuel 2001**- Alger -2002 pour la période 98 -2001 www.bank-of-algeria.dz
- Banque d' Algérie - **rapport annuel 2003 et 2004**–Alger-2004 et 2005 www.bank-of-algeria.dz
- Ministère des finances – **rapport de présentation de la loi de finances pour 2005**
- C.N.E.S – **projet de rapport preli. Sur les effets du P.A.S** –Alger – NOV 98.

www.bank-of-algeria.dz

-

.2008/03/05 5267

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(1966-09-15 284-66):1966

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1963

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1966

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1974 1966

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277-63

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www.sarambite.com

.477

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.30

:5

(1986/08/19 13-86) 1986 -3

13-82

13-86

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1986

(1988/01/12 25-88)1988 -4

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13-82

1986

19

132-86

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3			-
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		.5	-
13-82			-
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(2006-1990)

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	1988	12	01-88	- ¹
	1988	12	04-88	- ²
	1988	12	04-88	- ³
	1988	25	25-88	- ⁴
.11-10				- ⁵

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(1990/04/14 10-90

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(*)ANDI

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12 -93

(**) (APSSI)

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1993

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12-93

1995

1994

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03/01

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.22 2001 23

(*) ANDI : Agence National de Développement d'Investissement

(**) : APSSI : Agence de Promotion du Soutien et de Suivi de l'Investissement

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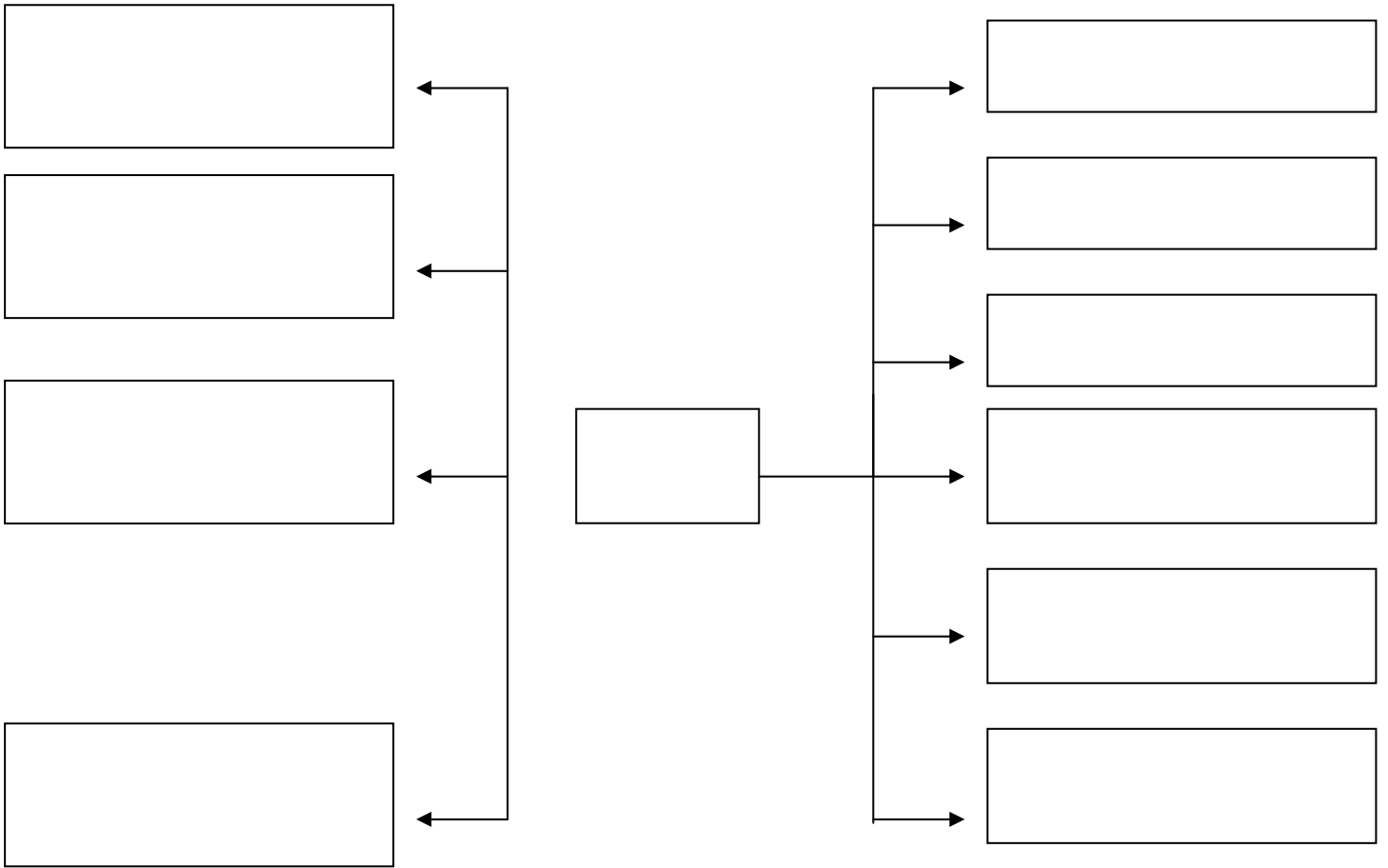
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:(1-3)



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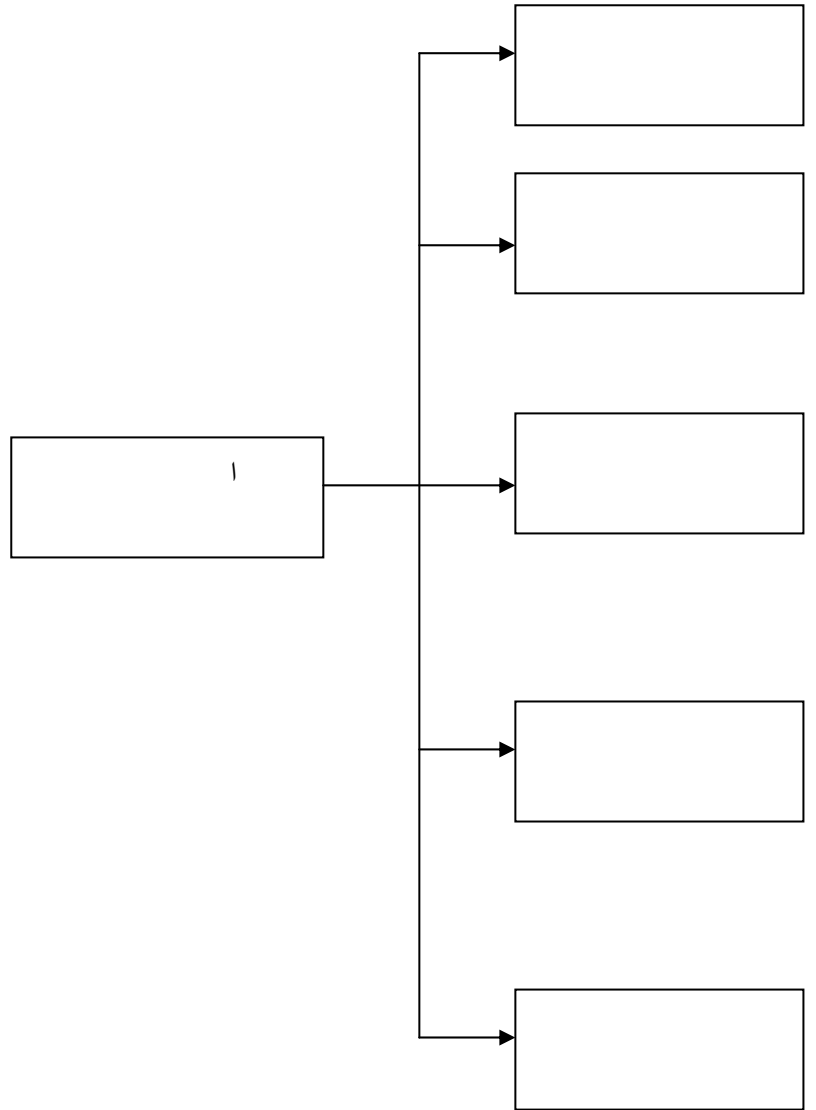
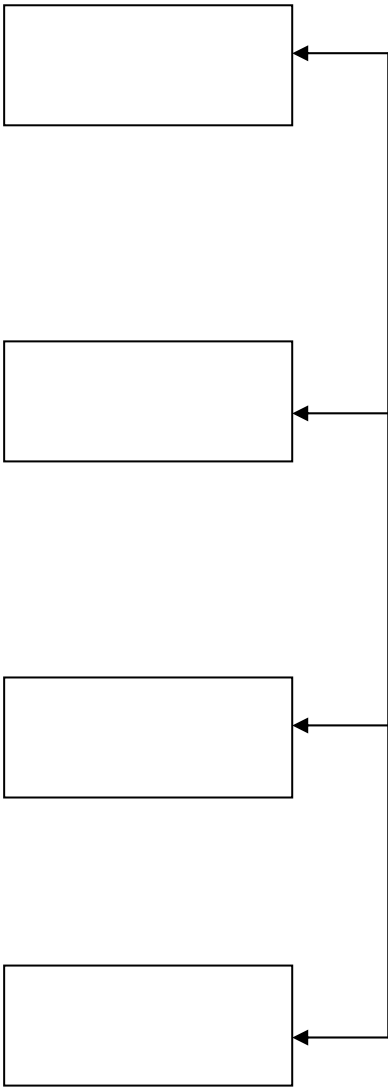
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:(2-3)



(*) (MDCGPPI)

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MDPPI ‘CNI ‘ANDI

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1985

:(3-3)

1991-1985

1991	1990	1989	1988	1987	1986	1985	
2.9 -	1.1	2.7 -	1.4 -	4.6 -	2.6 -	4.6	%

185

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1993-1989

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1991-1989

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(1989 30) " " :

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2- H. Benissad. *Lajustement structurel .l'expérience du Maghreb*. Algérie. OPU. 1999. P P 59-60.

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(1991 3) " ":

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(1995 21-1994 01)

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"contrats de partage de production" 1992 ()

(Valorisation des hydrocarbures)"Valid"

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1995 : -

03-01 1993
2001 2001

2004-1995

:(4-3)

()

(%) :

	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995		
	5778	882	634	1065	1196	438	507	501	260	270	25	
	9.20	7.22	6.49	13.19	15.51	16.66	20.32	5.73	3.57	7.54	9.8	%
	0.080	0.127	0.100	0.148	0.146	0.031	0.046	0.072	0.053	0.069	0.007	%

Source : UNCTAD. United Nations Conference on Trade And Development world investment report 2002, 2003, 2004, 2005.

		2000		2001
1		111		
	% 97			
		. ²		% 36
1997	% 20.32	1999		
% 1.4				% 3.57
.			.	
				:
		...		
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15-14				
			.10	2003
.50	2005			- ²

:(5-3)

2001-1993

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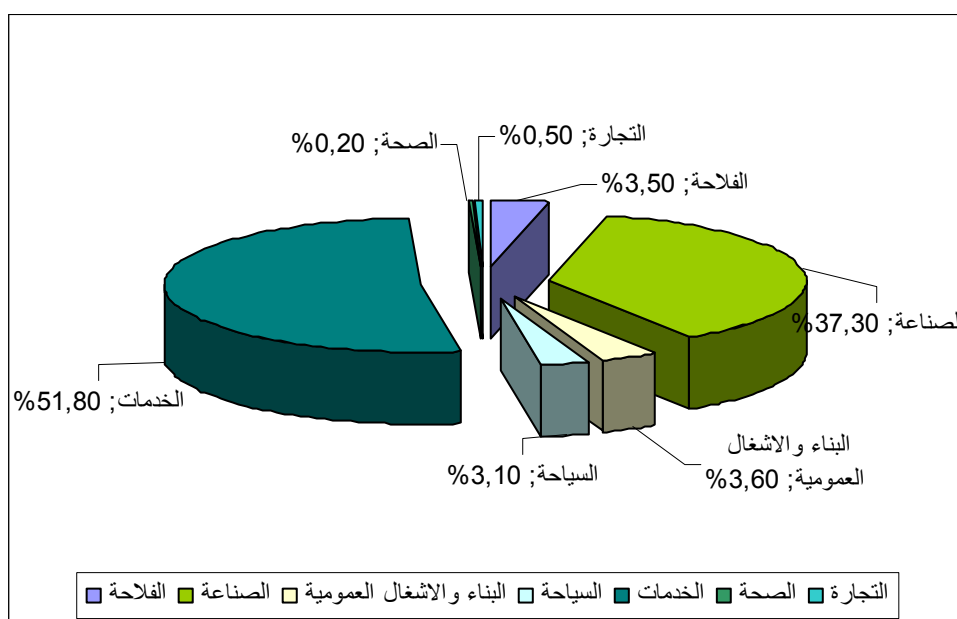
3.5	9835	3.9	17	
37.3	105634	58.9	259	
3.6	10254	9.3	41	
3.1	8833	3.6	16	
51.8	146879	19.5	86	
0.2	550	0.7	03	
0.5	1293	4.1	18	
100	283278	100	440	

.2002

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:(1-3)



	% 9	41					
					:		
	% 66		% 36		:	-	
				% 97		2003	
	% 30	2000					
¹ 2003		23.836	2000		21.06		
						1997	
					"Gaz de France"		
						²	
					:	-	
" Nokia "							
						"Daewoo "	"Ericsson "
	³		09				
"Wanadoo "							

¹ - CNUCED, Examen de la politique de l'investissement en Algérie , Nation Unies , Genève, Mars 2004, p11.

²- Idem. p 12.

³- Economist Intelligence Unit (E.I.U) ,country profile, UK, Algeria , 2000, p22.

1

"Epad"

% 20

2001-1998

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-1998

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:(6-3)

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	2001	2000	1999	1998	
906806	354369	205664	89882	256891	
363146	362992	100	3	51	
344001	80413	49472	137460	76656	
221045	152867	35596	16373	16209	
148265	34383	9262	11800	92820	
132198	37791	66509	7836	20062	
76687	71944	1308	623	2812	
75476	23254	14206	2001	36015	
49345	8818	21092	2787	16648	
32041	12384	4484	571	14648	

Source :Banque d'Algérie , 2003 ,in CNUCED ,Examen de la politique de l'Investissement en Algérie, Nation Unies, Genève ,Mars2004, p14

906

"petro fac ressource international Inc"

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 "Agip" "Cepsa"

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"Elf/ totalfina"

"Danone"

132 (2002-1998)

66

2000

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:(7-3)

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	2003	2002	2001	2000	1999	1998	
1025,3	65,4	34,6	362,9	347,5	85,8	122	

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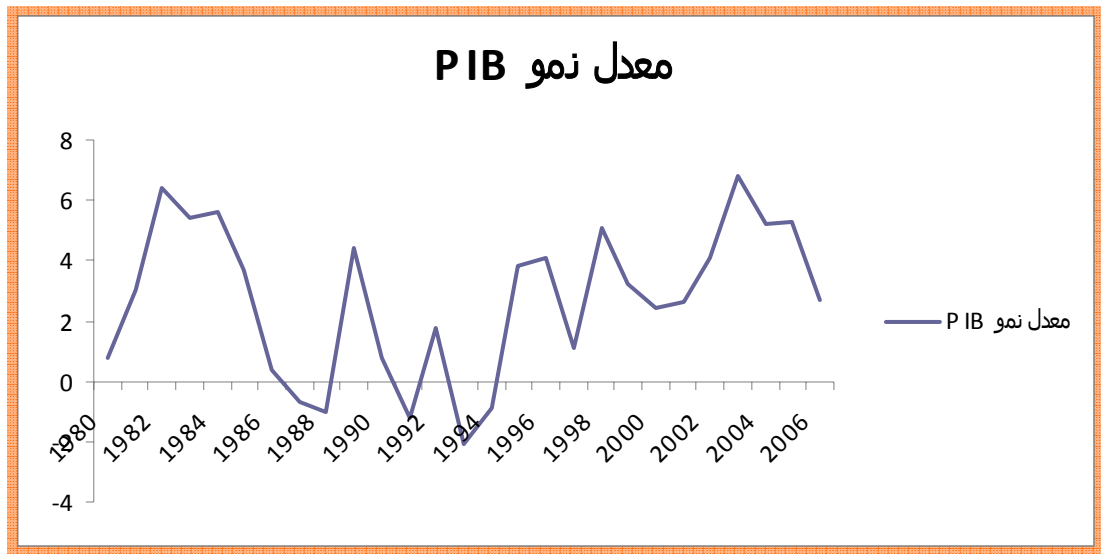
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2006-1980

(%)

:(2-3)



(1-1)

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2000

1998

5.1

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0.9 -

2,4

%97

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.(1-1) (01)

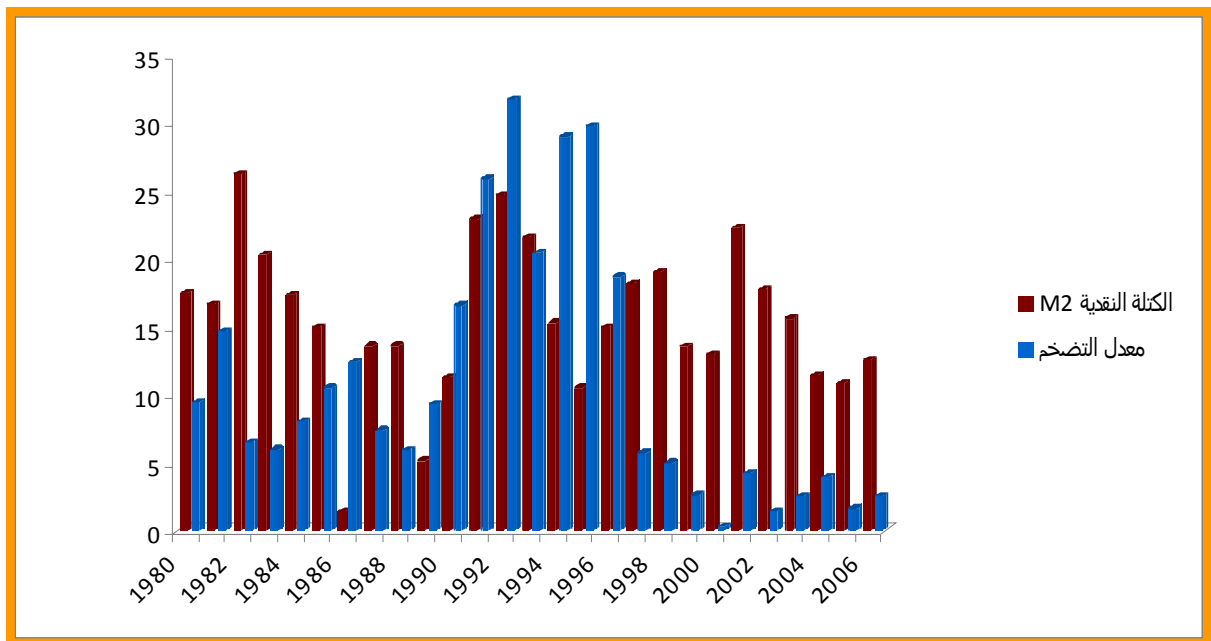
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2006-1980

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(1-1)

(01)

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% 1.5 1994 % 4.4 1994
 2000 % 1.3 1998 % 3.6 1995
 3.53 2002 % 0.1
 : 2004 5.92 2003 %

(%)

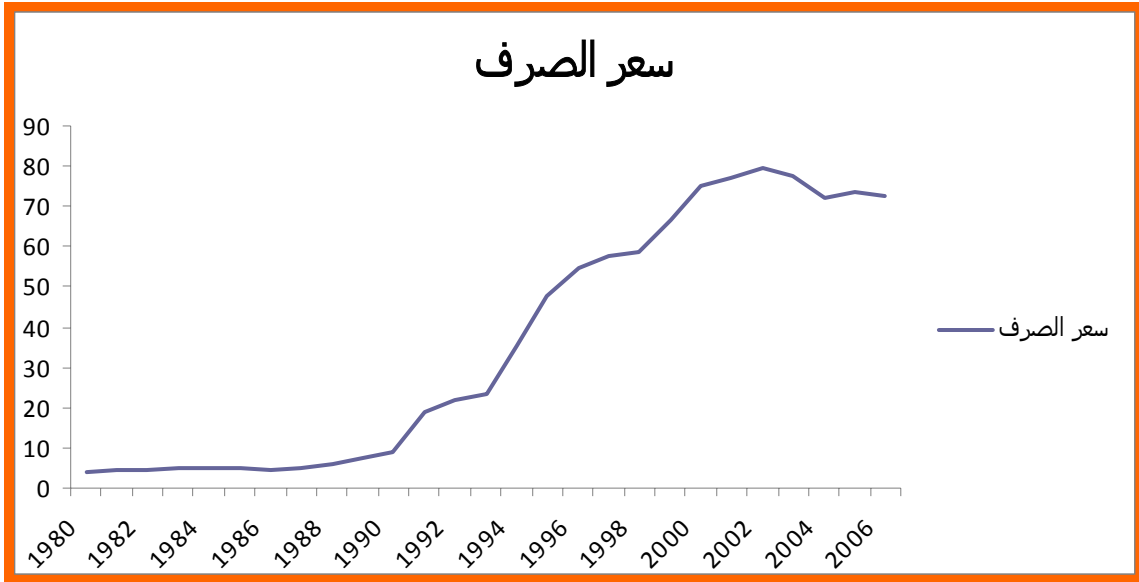
: (8-3)

2004	2003	2002	2001	1998	1995	1994	
5.92	-3.53	0.1	-4.0	- 3.6	- 1.5	- 4.4	(%)

Eco Win ,CalculsDGTPE 2005: _____

2006 - 1980

:(4-3)



(1-1)

(01)

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72.30 2000

75.29

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1994 %

: % 1.9

1997 % 6.3

(%)

:(9-3)

2004	2003	2002	2001	1999	1998	1997	
18.3	14.8	9.3	14.6	-0.1	-1.9	6.3	PIB(%)

.2004

: _____

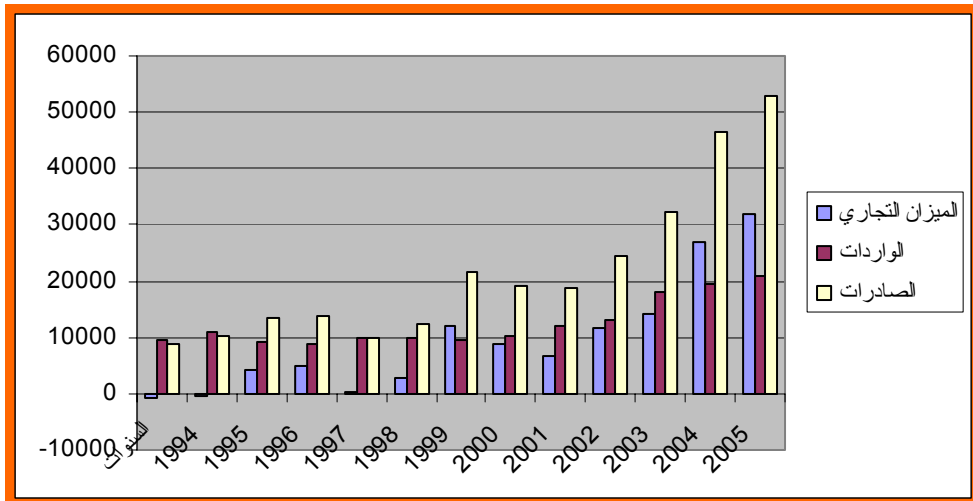
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2006-1994

:(5-3)



(2-1)

(01)

: _____

2004
 2003 % 22 13.5
 31.81 % 28.85
 18.19 % 34.47 2004
 97.52
 2003 % 29.18 %
 % 2.48
 % 17.09 788
 % 34.47 .2003
 .((2-1) (01)).¹

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03 - 01

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1995

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04-95

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2001

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(*)

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31

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-2

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:1

2

% 6

2005

25 2005

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.235

_2

1988

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www.ons.dz page consulté le 15/08/2007

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www.sarambite.com page consulté le 10/07/2007.

% 70

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.2005 2000

:(10-3)

2005-2000

8	21	113983	279	13105	2000	
66	158	336096	797	5018	2001	
31	118	96545	369	3109	2002	
16	68	115739	490	7211	2003	
21	112	62491	349	3115	2004	10
36	242	62057	410	1694		2005
178	719	786911	2694	33252		

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(International Country Risk Group)

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(World Economic Forum)

87

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2005

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(3-2) (1-2) (02) -¹

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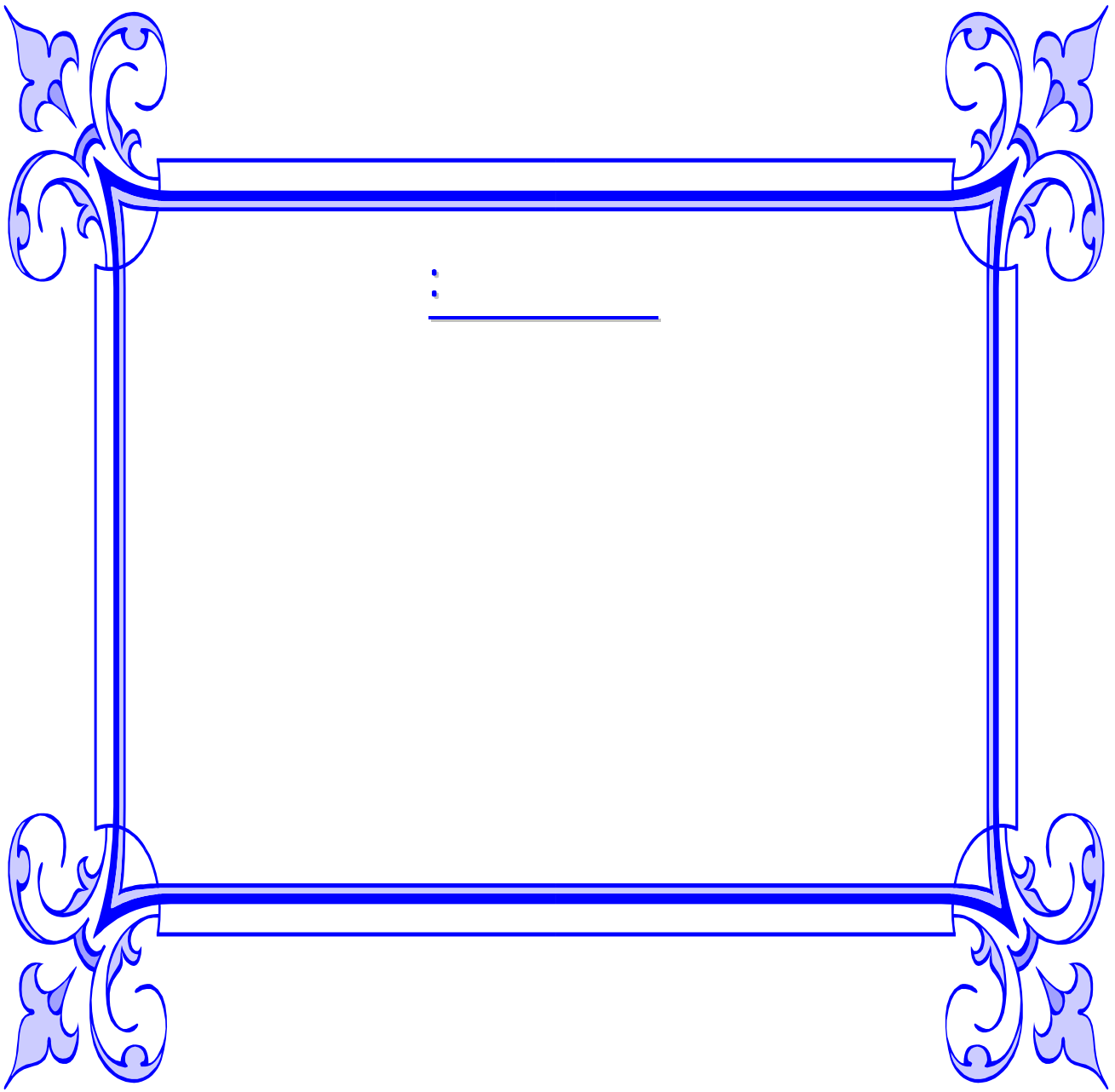
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(1980) "Sims"

(1969) "Granger"

: "Sims"

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"Sims"

"AR"

(Vecteur Autorégressive) "VAR"

"VAR"

N

¹ - Lardic.s, Migivon.v, *économétrie des séries temporelles macro économiques et financières*, paris, economica, 2002, p 83.

(1981) "Granger" (Cointégration)
(Combinaison)

(Error Correction Model)

2006 - 1970

:

$$y_t = \alpha_0 + \alpha_1 y_{t-1} + \alpha_2 x_{t-1} + \varepsilon_t$$
 "Sims" α_1 α_2 "Sims"

$$x_t = \beta_0 + \beta_1 x_{t-1} + \beta_2 y_{t-1} + \varepsilon_t$$
 "Sims" β_1 β_2 "Sims"

$$E(y_t | x_{t-1}) \neq E(y_t | x_{t-1}, y_{t-1})$$
 (feedback effect)

$$E(y_t | y_{t-1}, x_t) \neq E(y_t | y_{t-1}, x_{t-1})$$
 :Granger

$$V\varepsilon(y_t | y_{t-1}, x_{t-1}) = V\varepsilon(y_t | y_{t-1})$$
 VAR

$$y_{t-i} \quad x_{t-i} = \{x_{t-i}, i \geq 1\} \quad x_t = \{x_{t-i}, i \geq 0\}$$

$c_{x \rightarrow y}$:

:¹ -

Y X

$$\bullet c_{x \rightarrow y} = \log \frac{\det V_{\xi}(y_t / y_{t-1})}{\det V_{\xi}(y_t / y_{t-1}, x_t)}$$

$$c_{x \rightarrow y} = 0 \quad Y \quad X$$

y x

$$\bullet c_{x \rightarrow y} = \log \frac{\det V_{\xi}(y_t / y_{t-1})}{\det V_{\xi}(y_t / y_{t-1}, x_t)}$$

:Sims -2

:² Sims

$$y_t = a_0^1 + \sum_{i=1}^p a_{1i}^1 y_{t-i} + \sum_{i=1}^p a_{1i}^2 x_{t-i} + \sum_{i=1}^p b_i^2 x_{t+i} + \epsilon_{1t}$$

$$x_t = a_0^2 + \sum_{i=1}^p a_{2i}^1 x_{t-i} + \sum_{i=1}^p a_{2i}^2 y_{t-i} + \sum_{i=1}^p b_i^1 y_{t+i} + \epsilon_{2t}$$

:

: H_0 x y-

$$b_2^2 = b_3^2 = \dots = b_p^2 = 0$$

: H_0 y x-

$$b_2^1 = b_3^1 = \dots = b_p^1 = 0$$

¹ - Lardic.s, Migivon.v, **économétrie des séries temporelles macro économiques et financières**, paris, éconómica, 2002, p 83.

² - Ibid, p 102.

:

-1

Eviews 3.1

:(1-4)

IDE = f (DETEX)

Dependent Variable: IDE
 Method: Least Squares
 Date: 01/17/08 Time: 09:47
 Sample(adjusted): 1970 2005
 Included observations: 36 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.778295	0.229834	3.386333	0.0018
DETEX	-0.047736	0.027812	-1.716419	0.0952
R-squared	0.079740	Mean dependent var		0.472149
Adjusted R-squared	0.052674	S.D. dependent var		0.893549
S.E. of regression	0.869697	Akaike info criterion		2.612610
Sum squared resid	25.71670	Schwarz criterion		2.700583
Log likelihood	-45.02698	F-statistic		2.946096
Durbin-Watson stat	1.375407	Prob(F-statistic)		0.095185

Eviews 3.1

:

$R^2 = 0.079740$

(1-4)

:

% 7.97

-2

:(2-4)

IDE =f(EP)

Dependent Variable: IDE
 Method: Least Squares
 Date: 01/17/08 Time: 09:43
 Sample: 1970 2006
 Included observations: 37

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-0.961524	0.354668	-2.711058	0.0103
EP	0.049750	0.010880	4.572794	0.0001
R-squared	0.373999	Mean dependent var		0.546354
Adjusted R-squared	0.356113	S.D. dependent var		0.989943
S.E. of regression	0.794356	Akaike info criterion		2.429967
Sum squared resid	22.08502	Schwarz criterion		2.517044
Log likelihood	-42.95439	F-statistic		20.91044
Durbin-Watson stat	1.932953	Prob(F-statistic)		0.000058

Eviews 3.1

:

$$R^2 = 0.373999$$

(2-4)

:

% 37.39

-3

:(3-4)

IDE = f(INF)

Dependent Variable: IDE
 Method: Least Squares
 Date: 01/17/08 Time: 09:37
 Sample: 1970 2006
 Included observations: 37

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.641494	0.235265	2.726692	0.0099
INF	-0.007261	0.012850	-0.565023	0.5757
R-squared	0.009039	Mean dependent var	0.546354	
Adjusted R-squared	-0.019274	S.D. dependent var	0.989943	
S.E. of regression	0.999437	Akaike info criterion	2.889290	
Sum squared resid	34.96064	Schwarz criterion	2.976367	
Log likelihood	-51.45186	F-statistic	0.319251	
Durbin-Watson stat	1.281614	Prob(F-statistic)	0.575662	

EvIEWS 3.1

:

$$R^2 = 0.009039$$

:

% 0.903

-4

:(4-4)

IDE = f(TXPIB)

Dependent Variable: IDE
 Method: Least Squares
 Date: 01/17/08 Time: 09:40
 Sample: 1970 2006
 Included observations: 37

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.364528	0.171410	2.126643	0.0406
TXPIB	0.018326	0.007741	2.367399	0.0236
R-squared	0.138028	Mean dependent var	0.546354	
Adjusted R-squared	0.113401	S.D. dependent var	0.989943	
S.E. of regression	0.932124	Akaike info criterion	2.749837	
Sum squared resid	30.40995	Schwarz criterion	2.836914	
Log likelihood	-48.87199	F-statistic	5.604580	
Durbin-Watson stat	1.155506	Prob(F-statistic)	0.023572	

EvIEWS 3.1

:

$$R^2 = 0.138028$$

(4-4)

:

% 13.80

-5

:(5-4)

IDE = f(OUVERT)

Dependent Variable: IDE
 Method: Least Squares
 Date: 01/17/08 Time: 09:39
 Sample: 1970 2006
 Included observations: 37

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-1.753371	0.585340	-2.995472	0.0050
OUVERT	0.039492	0.009776	4.039929	0.0003
R-squared	0.318018	Mean dependent var	0.546354	
Adjusted R-squared	0.298533	S.D. dependent var	0.989943	
S.E. of regression	0.829113	Akaike info criterion	2.515617	
Sum squared resid	24.05999	Schwarz criterion	2.602694	
Log likelihood	-44.53892	F-statistic	16.32103	
Durbin-Watson stat	1.846210	Prob(F-statistic)	0.000278	

EvIEWS 3.1

:

$$R^2 = 0.318018$$

(5-4)

:

% 31.80

-6

:(6-4)

IDE = f(GPIB)

Dependent Variable: IDE
 Method: Least Squares
 Date: 01/17/08 Time: 09:41
 Sample: 1970 2006
 Included observations: 37

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.381925	0.786195	3.029686	0.0046
GPIB	-0.059622	0.025048	-2.380336	0.0229
R-squared	0.139330	Mean dependent var	0.546354	
Adjusted R-squared	0.114740	S.D. dependent var	0.989943	
S.E. of regression	0.931420	Akaike info criterion	2.748326	
Sum squared resid	30.36403	Schwarz criterion	2.835402	
Log likelihood	-48.84403	F-statistic	5.665997	
Durbin-Watson stat	1.462694	Prob(F-statistic)	0.022875	

EvIEWS 3.1

:

$$R^2 = 0.139330 \quad (6-4) \quad :$$

$$\% 13.93$$

-7

:(7-4)

IDE = f(TCH)

Dependent Variable: IDE
 Method: Least Squares
 Date: 01/17/08 Time: 09:34
 Sample: 1970 2006
 Included observations: 37

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.104004	0.197971	0.525348	0.6027
TCH	0.016141	0.004939	3.268208	0.0024
R-squared	0.233820	Mean dependent var		0.546354
Adjusted R-squared	0.211929	S.D. dependent var		0.989943
S.E. of regression	0.878805	Akaike info criterion		2.632032
Sum squared resid	27.03046	Schwarz criterion		2.719108
Log likelihood	-46.69258	F-statistic		10.68119
Durbin-Watson stat	1.626788	Prob(F-statistic)		0.002430

EvIEWS 3.1

:

$$R^2 = 0.233820 \quad (7-4) \quad :$$

$$\% 23.38$$

-8

:(8-4)

IDE = f(IMP)

Dependent Variable: IDE
 Method: Least Squares
 Date: 01/17/08 Time: 09:42
 Sample: 1970 2006
 Included observations: 37

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.099429	0.829326	0.119891	0.9053
IMP	0.016006	0.029112	0.549806	0.5859
R-squared	0.008563	Mean dependent var		0.546354
Adjusted R-squared	-0.019764	S.D. dependent var		0.989943
S.E. of regression	0.999678	Akaike info criterion		2.889770
Sum squared resid	34.97743	Schwarz criterion		2.976847
Log likelihood	-51.46075	F-statistic		0.302287
Durbin-Watson stat	1.273883	Prob(F-statistic)		0.585944

EvIEWS 3.1

:

$R^2 = 0.008563$

(8-4)

:

% 0.085

:

:

:(9-4)

Pairwise Granger Causality Tests
 Date: 01/02/08 Time: 07:32
 Sample: 1970 2006
 Lags: 2

Null Hypothesis:	Obs	F-Statistic	Probability
TCH does not Granger Cause IDE	35	3.52719	0.04209
IDE does not Granger Cause TCH		0.52517	0.59679
INF does not Granger Cause IDE	35	1.26212	0.29765
IDE does not Granger Cause INF		0.63385	0.53750
OUVERT does not Granger Cause IDE	35	3.02027	0.06382
IDE does not Granger Cause OUVERT		0.82026	0.44995
TXPIB does not Granger Cause IDE	35	0.18897	0.82879
IDE does not Granger Cause TXPIB		0.87323	0.42795
GPIB does not Granger Cause IDE	35	0.14290	0.86743
IDE does not Granger Cause GPIB		1.43989	0.25286
IMP does not Granger Cause IDE	35	0.18386	0.83298
IDE does not Granger Cause IMP		3.16339	0.05668
EP does not Granger Cause IDE	35	5.61411	0.00849
IDE does not Granger Cause EP		0.62545	0.54185
DETEX does not Granger Cause IDE	34	3.26908	0.05244
IDE does not Granger Cause DETEX		1.82369	0.17946

Eviews 3.1

:

:

(3.26 5.61 3.02 3.52)

(2.30)

. % 5

-

-

.

:

(1981) "Granger"

(ECM)

t – Stas R²

(Spurious Régression)

.VAR ECM

:

:

: -1

d

x_t

d

$d \geq 1$ (intégrée d'ordre **d**)

$$\Delta \quad \Delta^d x_t \quad \Delta^{d-1} x_t \quad : x \longrightarrow I(d)$$

0

.2

1

$y_t \quad x_t$

()

¹ $y_t \quad x_t$

: -2

.(Granger - Engle)

-

Engle ,Granger :

-

$$y_t = \alpha + \beta x_t + \xi \quad (1)$$

(MCO)

:

$$\Delta y_t = \alpha + \lambda \Delta x_t + \mu_{t-1} + \mu_t \quad (2)$$

μ_t

.ECM

: -3

(Cointégration Régression Durbin Watson) CRDW

-

H_0

DW

. (0)

DW

0 ← DW H_0

2 ← DW

¹ - Bresson.G, Pirrote.A, *Econométrie des Séries Temporelles*, 1ed, paris, 1995, p 406.

(AD.F) Dicky – Fuller Augmenter Dicky – Fuller(D.F) -

Dicky – Fuller

$$y_t = \alpha + \beta y_{t-1} + \gamma_1 x_{1t} + \dots + \gamma_k x_{kt} + \xi_t : H_0 \quad > t_\delta$$

$$y_t = \alpha + \beta y_{t-1} + \gamma_1 x_{1t} + \dots + \gamma_k x_{kt} + \xi_t : H_0 \quad < t_\delta$$

$$\hat{\xi}_t : H_0$$

"Johansen" -

n VAR(p)

$$y_t = A_1 y_{t-1} + \dots + A_p y_{t-p} + \xi_t \quad (3)$$

$$\Delta y_t = \pi y_{t-1} + \Gamma_1 \Delta y_{t-1} + \dots + \Gamma_p \Delta y_{t-p} + \xi_t \quad (4)$$

$$\Gamma_i = -(A_{i+1} + \dots + A_p) \quad \pi = (A_1 + A_2 + \dots + A_p) - I$$

(r < k) (rang deduit) P

$$r \quad V \quad U \quad k$$

$$V \quad r \quad V' Y_t \quad \Pi = UV'$$

(ajustement) U

Π

Π 1988 Johansen

:

$$\lambda_i = -n \sum_{i \neq H}^k \ln(1 - \lambda_i) \quad (5)$$

r k n

chi-2

$$H_0 : r = 0$$

$$H_1 : r > 0$$

$$\begin{array}{cccc}
 & r=2 & r=1 & H_0 \\
 k & & & H_0 \quad H_1:1=k \quad H_0: r= k-1
 \end{array}$$

(ECM)

:

(Error correction model)

1970 hendry

1

$$[B, -1] \quad x_{t-1} \rightarrow y_t \quad I(1.1) \quad (1)$$

 $y_t \quad x_t$

:

ECM

$$\Delta y_t = \lambda \Delta x_t + \mu [y_{t-1} - Bx_{t-1}] + \xi_t$$

 Δy_t (processus) $((y_{t-1} - Bx_t) \Delta x_t)$

:

$$\Delta y_t = \mu + \sum_i \alpha_i \Delta y_{t-i} + \sum_j \beta_j \Delta y_{t-j} + c [y_{t-1} - Bx_{t-1}] + \eta_t$$

¹- CHarpentier, A, **cours des séries temporelles , théories et application** , volume2, poly. Université paris daufine, 2004, P 14.

:

X Y Y X
 (feedback effect)

:

"Dickey- Fuller" :

$$E(y_t) = E(y_{t+m}) = \mu$$

$$\text{Var}(y_t) < \infty \forall T$$

$$\text{Cov}(y_t, y_{t+m})$$

()

² DFA DF

(Unit root test)

(trend stationary) TS ■

(differency stationary) DS ■

:

DF

. AR(1) 1

$$(1-\phi_1 B)x_t = \dots [1]$$

AR (1)

$$(1-\phi_1 B)(x_t - \mu) = \dots [2]$$

AR (1)

$$(1-\phi_1 B)(x_t - \alpha - B_t) = \dots [3]$$

$$\phi_1 = 1$$

$$B = 1$$

$$|\phi_1| > 1 \quad \blacksquare$$

$$|\phi_1| < 1 \quad \blacksquare$$

¹ - Bourbonnais.R, **économétrie**, 3^{ième} ed, paris : DUNOUD , 2000, p 222.

² - Borbonais. R, Terraza. M, L'analyse des séries temporelles en économies, 1^{iere} ed, paris, 1998, p p 150-152.

$$x_t = \phi_1 x_{t-1} + \epsilon_t$$

$$H_0: |\phi_1| = 1$$

$$H_1: |\phi_1| < 1$$

Fuller Dickey
Fuller 1976

$$t_{\phi_1} = \frac{\hat{\phi}_1 - 1}{\widehat{\sigma}_{\hat{\phi}_1}}$$
(ADF)

$$n(\hat{\phi}_1 - 1)_c \succ n(\hat{\phi}_1 - 1)_{lu}$$

Phillips – Perron
(DF)

(bruit blanc :)¹

(P > 1) P DF

(heteroscedastique)

ADF Eviews

¹- Borbonais. R, Terraza. M, Op cit, p p 155-159 و Bresson.G, Pirrote.A, Op cit, p p 419-426.

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IDE:**:(10-4)**

6	5	4	3	2	1	
2.380 (3.029)	0.364 (2.126)	0.778 (3.386)	1.003- (1.407-)	1.753- (2.995-)	0.117 (0.430)	
					-0.0008 (0.076-)	INF
					0.016 (3.159)	TCH
				0.039 (4.039)		OUVERT
			0.001 (0.068)			IMP
			0.049 (4.455)			EP
		0.047- (1.716-)				DETEX
	0.018 (2.367)					TXPIB
0.059- (2.380-)						GPIB
0.1393	0.1380	0.0797	0.3740	0.3180	0.2339	R ²
0.1147	0.1134	0.0526	0.3372	0.2985	1.8888	R
1.46	1.15	1.37	1.93	1.84	1.62	DW
5.66	5.6	2.94	10.16	16.32	5.19	F-STATI
36	36	36	36	36	36	OBS

(1-4)**(4)**

:

(6-4)

:

:

:1

IDE = f (inf ,tch)
 IDE = 0.117-0.0008 inf + 0.016tch
 (0.430) (-0.076) (3.059)
 Obs= 36 DW= 1.62 R²= 0.2339 R² adjust= 1.8888 F.stat=5.19

:

"

(2.457) (3.059) "Student
 (0.076-) " Student " % 1 = α
 .% 1 = α (2.457)

R² = 0.2339
 % 23.39

(dw= 1.62)

(2.68 > 1.62 > 1.32)

% 5 = α (3.30)

(F.stat=5.19)

.

:

)

)

(

(

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.1

:

IDE= f (ouvert)

IDE= -1.753 + 0.039ouvert

(-2.995) (4.039)

Obs= 36 DW= 1.84 R²= 0.3180 R² adjust= 0.2985 F.stat=16.32

.2

:

IDE= f (gpib)

IDE=2.38 - 0.05 gpib

(3.029) (-2.380)

Obs= 36 DW= 1.46 R²= 0.1393 R² adjust= 0.1147 F.stat=5.66

:

(2.457)

(4.039)

" Student "

R²= 0.1393 R²= 0.3180

% 1= α

1.84

"DW"

1.46

((2.68 > 1.46 > 1.32) (2.68 > 1.84 > 1.32))

(16.32)

(5.66)

% 1= α

(4.13)

% 1= α

(4.13)

.

.(2-4)

(4)

-¹

.(6-4)

-²

:

.

:

:1

$$IDE = f(\text{imp}, \text{ep})$$

$$IDE = -1.003 + 0.001 \text{ imp} + 0.049 \text{ ep}$$

(-1.407) (0.068) (4.455)

Obs= 36 DW= 1.93 R²= 0.3740 R² adjust= 0.3372 F.stat=10.16

:

(4.455)

" Student "

" Student "

% 1 = α

(2.457)

% 1 = α

(2.457)

(0.068)

R²= 0.3740

% 37.40 ()

> 1.93 > 1.32)

1.93

"DW"

(10.16)

(2.68)

% 1 = α

(5.34)

.

.(3-4)

(4)

-1

:

()

()

:

:¹

IDE= f (detex)
 IDE= 0.778- 0.047 detex
 (3.386) (-1.716)
 Obs= 36 DW= 1.37 R²= 0.0797 R² adjust= 0.0526 F.stat=2.94

:

" Student "

% 5=α (1.697) (-1.716)

R²= 0.0797

1.37 "DW"

(2.68 > 1.37 > 1.32)

(4.13) (2.94)

% 1=α

:

.1

:

$$IDE = f(\text{txpib})$$

$$IDE = 0.364 + 0.018 \text{txpib}$$

(2.126)

(2.367)

Obs= 36 DW= 1.15 R²= 0.1380 R² adjust= 0.1134 F.stat=5.60

:

(1.697)

(2.367)

" Student "

R²= 0.1380

% 5 = α

% 13.80

1.15

"DW"

(5.60)

% 5 = α

(4.13)

2

:

$$IDE = f(\text{txpib})$$

$$IDE = 0.349 + 0.023 \text{txpib}$$

(1.56)

(2.61)

Obs= 36 DW= 1.76 R²= 0.2189 R² adjust= 0.1729 F.stat=4.76

(2.61)

" Student "

R²=0.2189

% 5 = α

(1.697)

% 21.89

1.76

"DW"

.(5-4)

(4)

-¹

.(7-4)

(4)

-²

(2.68 > 1.76 > 1.32)

% 5 = α

(4.13)

(4.76)

:

()

:

(DF)

()

.(ADF)

1

:

"correlogram") $P = 0$

.(FPAC)

(les pics)

(

.()

¹ - Sandrine Lardic, Valérie Mignon, économétrie des série temporelle macroéconomiques financières, *éconómica*, 2002, p 147.

1

"correlogrammes "

TCH, IMP,

(FAC)

(FPAC)

EP, TXPIB, DETEX, OUVERT

IDE, INF, GPIB

(ADF) (DF)

AR(1) 1

(i.i.d)

AR(P)

(Dickey- Fuller)

(DF)

(Dickey – Fuller Augmenter)

P > 1

" DF " :

:

:

$$X_t = \phi_1 X_{t-1} + \varepsilon_t \quad (1)$$

$$C \quad X_t = \phi_1 X_{t-1} + C + \varepsilon_t \quad (2)$$

$$X_t = \phi_1 X_{t-1} + C + \varepsilon_t + b_t \quad (3)$$

:

$$H_0 : \phi_1 = 1$$

$$H_1 : \phi_1 \neq 1$$

(3) (2) (1)

"Student"

t_{ϕ_1}

t

t_{ϕ_1}

(ADF) "Dickey – Fuller "

:

$$\phi_1 < 1$$

$$\Delta A = \rho X_{t-1} - \sum_{j=1}^p \phi_j \Delta X_{t-j+1} + \varepsilon_t \quad (4)$$

$$\Delta X_t = \rho X_{t-1} - \sum_{j=1}^p \phi_j \Delta X_{t-j+1} + C + \varepsilon_t \quad (5)$$

$$\Delta X_t = \rho X_{t-1} - \sum_{j=1}^p \phi_j \Delta X_{t-j+1} + C + b_t + \varepsilon_t \quad (6)$$

$$p = (\phi - 1) \text{ and } \varepsilon \rightarrow i.i.d(0, \sigma_\varepsilon^2):$$

:

AIC SHC

"p"

. Eviews

-

:

: H_0

: H_1

$t_{\hat{\phi}}$

(6) (5) (4)

$\hat{\phi}$

ϕ_1

."Student"

:

. Eviews

"Dickey – Fuller "

:(11-4)

(4)		(5)		(6)			
t_ϕ ADF	t_{iab} %5	t_ϕ ADF	t_{iab} %5	t_ϕ ADF	t_{iab} %5		
0.66	1.95-	0.15-	2.95-	1.87-	3.54-	1	TCH
1.63-	1.95-	1.96-	2.95-	2.74-	3.54-	1	TXPIB
0.65	1.95-	1.47-	2.95-	1.32-	3.54-	1	OUVERT
0.32-	1.95-	1.94-	2.95-	2.58-	3.54-	1	IMP
0.98	1.95-	0.54-	2.95-	0.85-	3.54-	1	EP
2.32-	1.95-	1.54-	2.95-	2.85-	3.54-	1	DETEX
3.63-	1.95-	4.26-	2.94-	4.62-	3.54-	0	IDE
2.61-	1.95-	4.22-	2.94-	4.17-	3.54-	0	INF
0.70-	1.95-	5.02-	2.94-	4.98-	3.54-	0	GPIB

(1-6)

(6)

:

Dickey – "

(11-4)

t_{iab}

(6) (5) (4)

"Fuller

¹ %10 %1

% 5 = α

$H_0 \quad \phi = 1 \quad : :$

(IDE, GPIB, INF)

(IDE, GPIB, INF)

(IMP EP ,TCH, TXPIB, OUVERT, DETEX,)

.% 5

:

$$D_y = Y - Y(-1) :$$

.(1-6)

(6)

-¹

:(12-4)

النموذج (4)		النموذج (5)		النموذج (6)		النموذج	
t ADF	t_{tab} %5	t ADF	t_{tab} %5	t ADF	t_{tab} %5	درجة التأخير	المتغيرة
0.12 -	1.95 -	0.73 -	2.95 -	1.95 -	3.55 -	1	TCH
1.60 -	1.95 -	1.93 -	2.95 -	2.74 -	3.55 -	1	TXPIB
0.51	1.95 -	1.73 -	2.95 -	1.57 -	3.55 -	1	OUVERT
0.27 -	1.95 -	1.92 -	2.95 -	2.52 -	3.55 -	1	IMP
0.63	1.95 -	1.40 -	2.95 -	1.55 -	3.55 -	1	EP
2.28 -	1.95 -	1.51 -	2.95 -	2.89 -	3.55 -	1	DETEX

.(2-6)

(6)

:

:

(IMP ,TCH, TXPIB, OUVERT, DETEX)

 $TCH \rightarrow I(1)$ $TXPIB \rightarrow I(1)$ $OUVERT \rightarrow I(1)$ $IMP \rightarrow I(1)$
 $EP \rightarrow I(1)$ $DETEX \rightarrow I(1)$

.

:

(1970) "Hendry"

)

" Engle" "Granger"

(

"ECM"

GPIB

IDE

INF

 $x_t \quad y_t$

$$y_t = \beta_0 + \beta_1 x_t + \xi_t$$

1

$$IDE = a_1 + a_2 \text{ inf} + a_3 \text{ tch} + a_4 \text{ txpib} + a_5 \text{ ouvert} + a_6 \text{ gpib} + a_7 \text{ imp} + a_8 \text{ det ex} + a_9 \text{ ep} + \mu_t$$

:(13-4)

(MCO)

Dependent Variable: IDE
 Method: Least Squares
 Date: 04/24/08 Time: 10:18
 Sample: 1970 2006
 Included observations: 37

Variable	Coefficient	Std. Error	t-Statistic	Prob.
GPIB	-0.037654	0.020252	-1.859214	0.0735
EP	-1534.281	1975.130	-0.776800	0.4438
DETEX	-0.073799	0.046626	-1.582768	0.1247
IMP	-1534.282	1975.103	-0.776811	0.4438
INF	-0.006689	0.009989	-0.669670	0.5086
OUVERT	1534.292	1975.111	0.776813	0.4438
TCH	0.002964	0.009290	0.319062	0.7520
TXPIB	0.025453	0.007145	3.562141	0.0013
C	1.267272	1.115732	1.135821	0.2657
R-squared	0.631250	Mean dependent var		0.546354
Adjusted R-squared	0.525892	S.D. dependent var		0.989943
S.E. of regression	0.681630	Akaike info criterion		2.279113
Sum squared resid	13.00934	Schwarz criterion		2.670958
Log likelihood	-33.16359	F-statistic		5.991514
Durbin-Watson stat	2.119467	Prob(F-statistic)		0.000165

Eviews

:

¹ - bourbounnais .R, Opcit, p 277.

:

(13-4)

$$\begin{aligned}
 IDE_t = & 1.267272 - 0.037654gpi_t - 1534281ep_t - 0.073799detex_t - 1534282imp_t - 0.006689inf_t + 1534292ouvert_t \\
 & (1.135) \quad (1.859-) \quad (0.776-) \quad (-1.582) \quad (0.776-) \quad (0.669-) \quad (0.776) \\
 & + 0.002964tch_t - 0.025453txpib_t \\
 & (0.319) \quad (3.562) \\
 R^2 = & 0631 \quad R^2 \text{ adjuste} = 0.525 \quad F-Stat=5.99 \\
 DW = & 2.11 \quad Obs = 36
 \end{aligned}$$

-1

"Student"

(3.56)

"Student"

)

%1

(2.47)

"Student"

(

%63.12

%52.58

(2.68 > 2.11 > 1.32)

(2.11)

% 1

(3.26)

5.99

Phillips-Perron و ADF

(e_t)

:

:(14-4)

(Résidu estimé)	ADF		PP	
	Cal	Lue	Cal	Lue
	6.33-	1.95-	6.33-	1.95-

(7)

Eviews

:

(1-7)

ADF

()

(PP

) %5

(RESID1= e_t)

(test de normalité de Jarque-Bira)

-2

()

%1

% 0.0029

% 0.0066

% 1

" Angel Granger "

:

$$\begin{aligned}
 IDE_t = & 1.267272 - 0.037654 g_{pib}_t - 1534281 e_{p_t} - 0.073799 detex_t - 1534282 imp_t - 0.006689 inf_t + 1534292 ouvert_t \\
 & (1.135) \quad (1.859-) \quad (0.776-) \quad (-1.582) \quad (0.776-) \quad (0.669-) \quad (0.776) \\
 & + 0.002964 tch_t - 0.025453 txpib_t + e_t \\
 & (0.319) \quad (3.562)
 \end{aligned}$$

$$\begin{aligned}
 R^2 &= 0631 \quad R^2 \text{ ajuste} = 0.525 \quad F\text{-Stat} = 5.99 \\
 DW &= 2.11 \quad Obs = 36
 \end{aligned}$$

e_t :

$$\begin{aligned}
 e_t = & IDE_t - 1.267272 + 0.037654 g_{pib}_t + 1534.281 e_{p_t} + 0.073799 detex_t + 1534282 imp_t + 0.006689 inf_t - 1534.292 ouvert_t \\
 & - 0.002964 tch_t + 0.025453 txpib_t \\
 & \text{(ECM)}
 \end{aligned}$$

$$\begin{aligned}
 D(IDE) = & a_1 D(inf_t) + a_2 D(tch_t) + a_3 D(ouvert_t) + a_4 D(imp_t) + a_5 D(txpib_t) + a_6 D(ep_t) \\
 & + a_7 D(gpib_t) + a_8 D(det ex_t) + \varphi_t \lambda_{t-1}
 \end{aligned}$$

" Force de rappel "

φ_t :

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:(15-4)

Dependent Variable: DIDE
 Method: Least Squares
 Date: 04/24/08 Time: 10:04
 Sample(adjusted): 1971 2005
 Included observations: 35 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
DGPIB	-0.006260	1.73E-08	-362148.7	0.0000
DINF	0.002260	1.14E-08	198658.1	0.0000
DIMP	-6346.335	0.004316	-1470450.	0.0000
DOUVERT	6346.253	0.004316	1470433.	0.0000
DTCH	-0.016145	3.77E-08	-428765.2	0.0000
DTXPIB	0.014149	8.05E-09	1758024.	0.0000
DDETEX	-0.789587	1.18E-07	-6683497.	0.0000
DEP	-6346.333	0.004316	-1470442.	0.0000
RESID01	0.789587	1.42E-07	5554527.	0.0000
C	-0.020808	1.56E-07	-133192.7	0.0000
R-squared	1.000000	Mean dependent var	0.003818	
Adjusted R-squared	1.000000	S.D. dependent var	1.077640	
S.E. of regression	7.76E-07	Akaike info criterion	-25.06667	
Sum squared resid	1.50E-11	Schwarz criterion	-24.62229	
Log likelihood	448.6668	F-statistic	7.29E+12	
Durbin-Watson stat	1.362000	Prob(F-statistic)	0.000000	

Eviews 3.1

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$$D(idet_t) = 0.020808 - 0.006260D(gpib_t) + 0.002260D(inft_t) - 6346335D(imp_t) + 6346253D(ouvert_t)$$

(0.76) (0.08) (-0.68) (-0.10) (0.10)

$$- 0.016145D(tch_t) + 0.014149D(txpib_t) - 0.789587D(txpib_t) - 0.789587D(detex_t) - 6346333D(ep_t) + 0.789587\mathcal{U}_{t-1}$$

(0.10) (-1.41) (2.25) (-2.08) (-3.40)

$$R^2 = 1 \quad R^2 \text{ adjusté} = 1 \quad F - Stat = 7.29 \quad DW = 1.36$$

(F-Stat = 7.29)

.01 (3.17)

% 100

(2.68 > 1.36 > 1.32)

(DW = 1.36)

%100

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(0.789587) " le coefficient des résidus retardés "
 (force de rappel)

"ECM"

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(1.95 - > 4.22-)

(test de normalité)

(JB= 7.805,)

.(2-4)

(4)

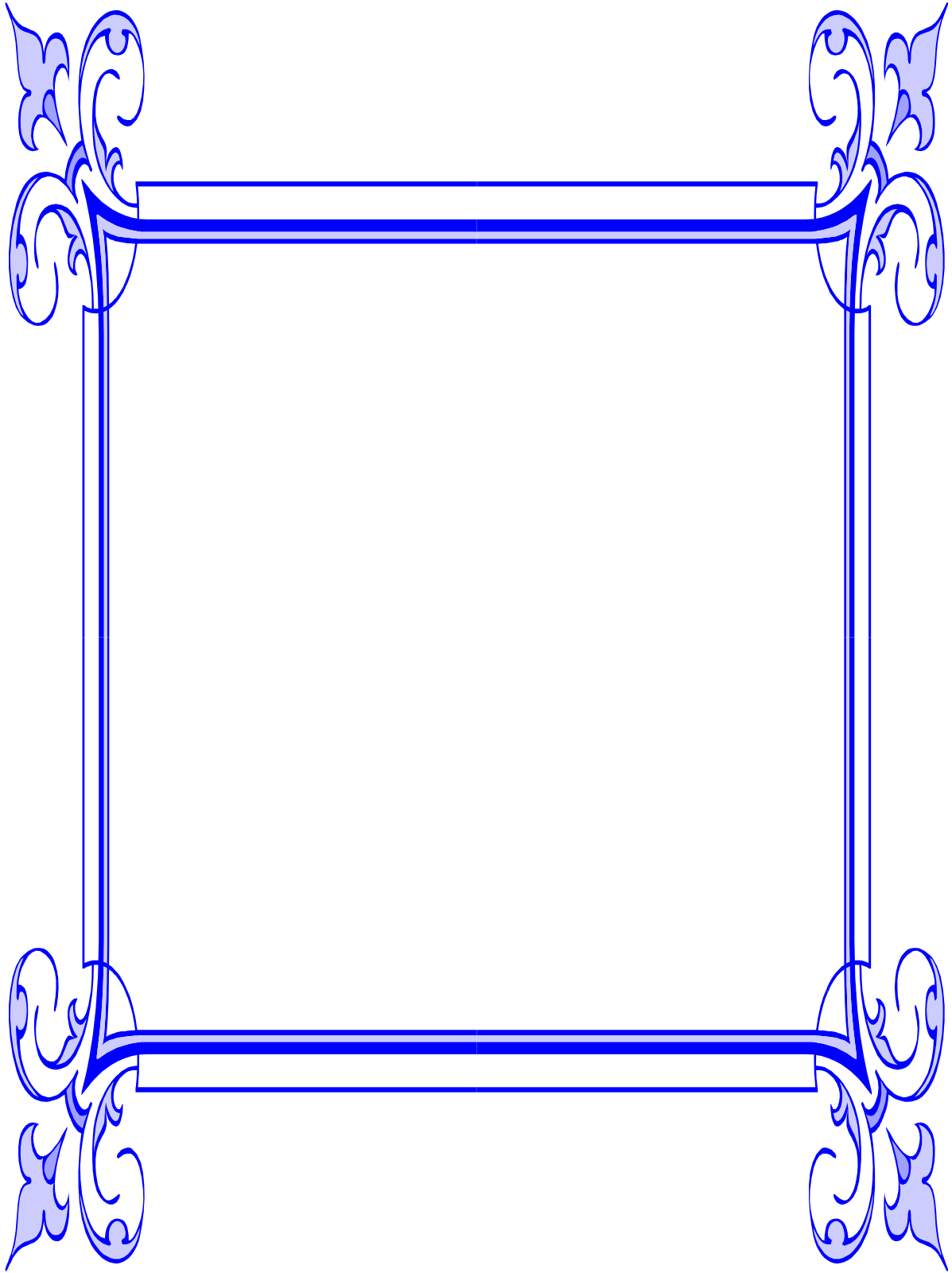
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IDE

1 t-2 t-1 IDE t IDE
 (R²=0.9679)

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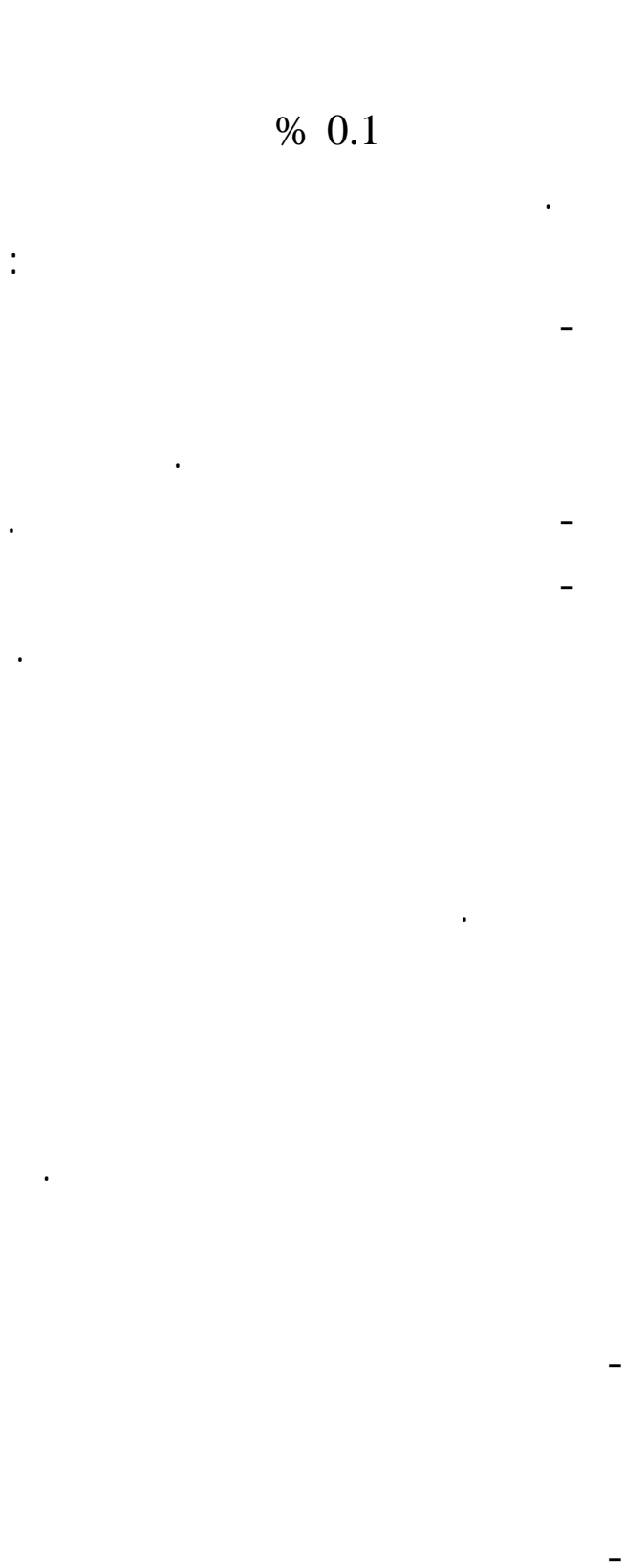


1998

% 0.1

(ECM) "

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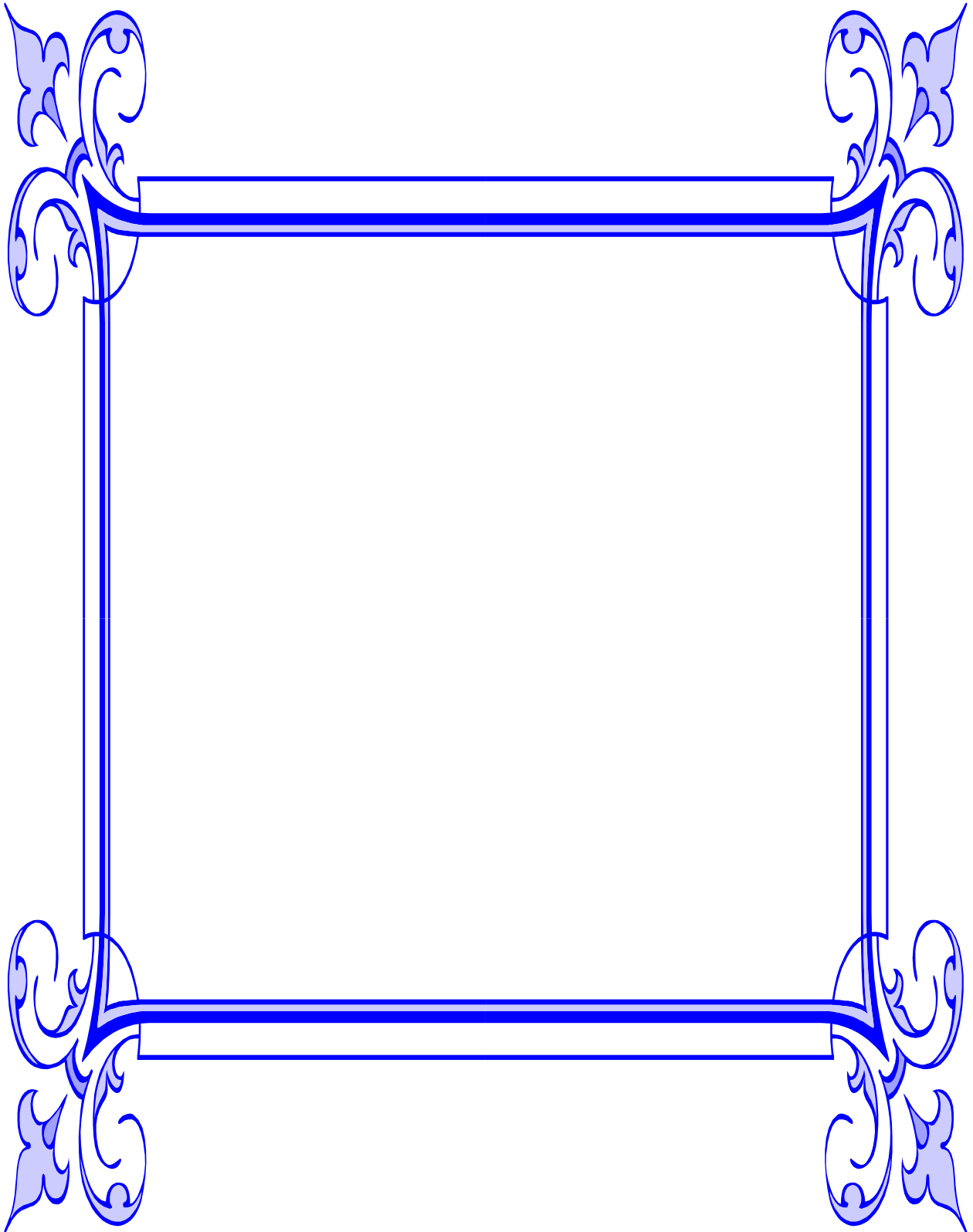
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: (16-4)

	ide	ouvert	inf	tch	gpib	txpib	detex	imp	ep	λ_{t-1}	ide	ouvert	inf	tch	gpib	txpib	detex	imp	ep	
	×										×									
		×	×	×	×	×	×	×	×			×	×	×	×	×	×	×	×	×
										×										
	<i>I(0)</i>	<i>I(1)</i>	<i>I(0)</i>	<i>I(1)</i>	<i>I(0)</i>	<i>I(1)</i>	<i>I(1)</i>	<i>I(1)</i>	<i>I(1)</i>		<i>I(0)</i>	<i>I(1)</i>	<i>I(0)</i>	<i>I(1)</i>	<i>I(0)</i>	<i>I(1)</i>	<i>I(1)</i>	<i>I(1)</i>	<i>I(1)</i>	<i>I(1)</i>
		(+)	(-)	(+)	(-)	(+)	(-)	(-)	(+)			(+)	(-)	(+)	(-)	(+)	(-)	(-)	(-)	(+)
		(+)	(+)	(-)	(-)	(+)	(-)	(-)	(-)			(-)	(-)	(+)	(-)	(+)	(-)	(+)	(+)	(+)
		6446.25	0.0022	-0.0161	-0.006	0.014	-0.789	-	-	0.78		1534.29	-0.006	0.0029	-0.037	0.025	-	-	-	-
								6346.33	6346.33								0.073	1534.28	1534.28	
t-student		-	198656.1	-	-	1758024	-	-	-	5554527		0.77	-0.66	0.31	-1.85	3.56	-1.58	-0.77	-0.77	
		1470433	428765.2	362148.7		6683497	1470450	1470442												
		Oui	Oui	Oui	Oui	Oui	Oui	Oui	Oui	Oui		Non	Non	Non	Non	Oui	Non	Non	Non	Oui
<i>R</i> ²	1										0.6312									
<i>R</i> ² ajusté	1										0.5258									
<i>DW</i>	1.36										2.11									
<i>F – Stat</i>	7.29 E+12										5.99									
<i>Pr ob(F – Stat)</i>	0										0.000165									
<i>JB</i>	7.805										0.000104									
	ide Ouvert, tch, inf, txpib, gpib, imp, ep, detex																			
	$IDE = a_1 + a_2 \text{ inf} + a_3 \text{ tch} + a_4 \text{ txpib} + a_5 \text{ ouvert} + a_6 \text{ gpib} + a_7 \text{ imp} + a_8 \text{ det ex} + a_9 \text{ ep}$																			
	$IDE_t = 1.267272 - 0.037654 \text{ gpib}_t - 1534281 \text{ ep}_t - 0.073799 \text{ detex}_t - 1534282 \text{ imp}_t - 0.006689 \text{ inf}_t + 1534292 \text{ ouvert}_t + 0.002964 \text{ tch}_t - 0.025453 \text{ txpib}_t$																			

$$D(\text{ide}_t) = 0.020808 - 0.006260 D(\text{gpib}_t) + 0.002260 D(\text{inf}_t) - 6346.335 D(\text{imp}_t) + 6346.253 D(\text{ouvert}_t) \\ - 0.016145 D(\text{tch}_t) + 0.014149 D(\text{txpib}_t) - 0.789587 D(\text{txpib}_t) - 0.789587 D(\text{det ex}) - 6346.333 D(\text{ep}_t) + 0.789587 \lambda_{t-1}$$



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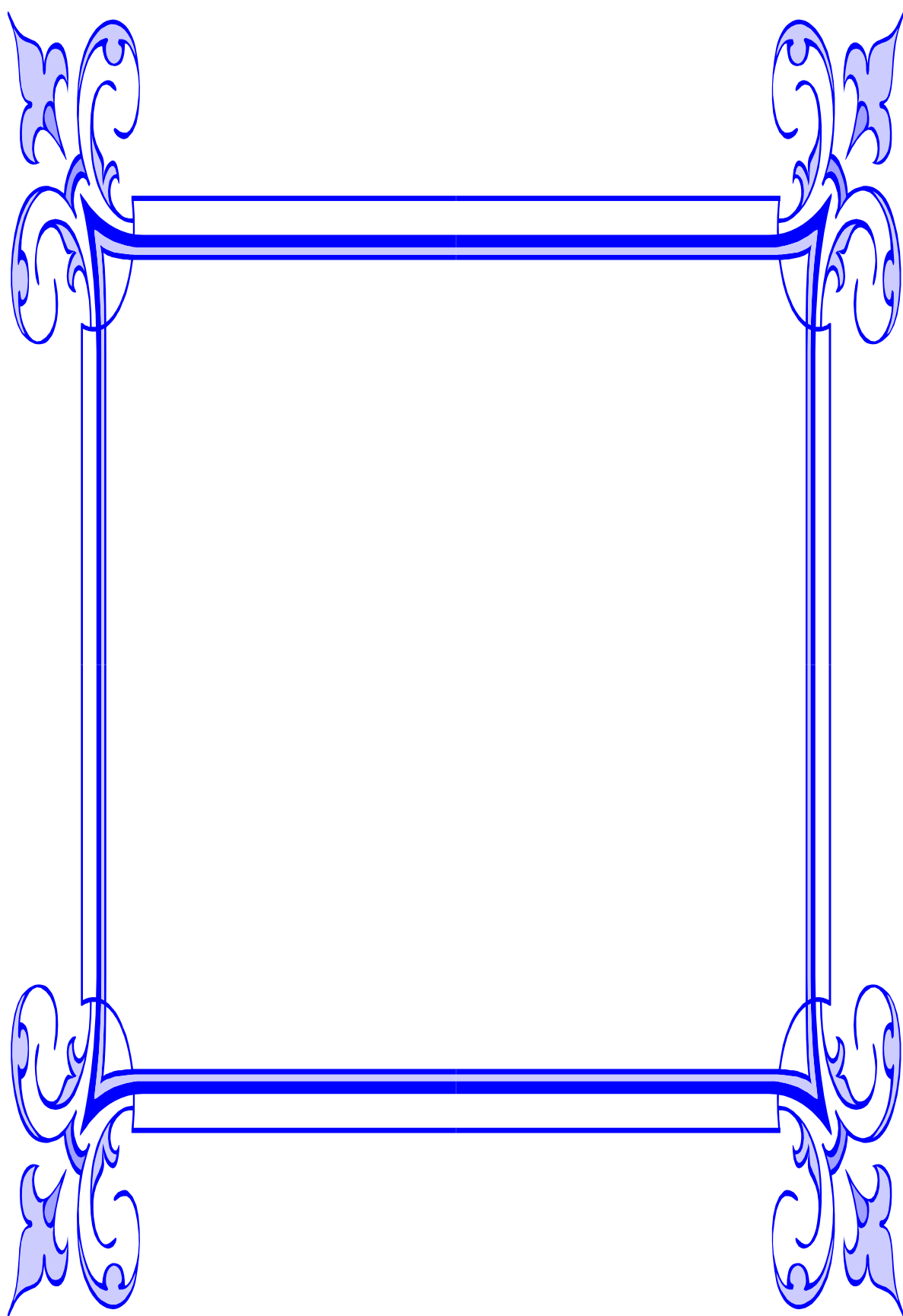
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:(1)

2006-1980

:(1-1)

M2 (%)	(DA/\$)	(%)	(%) PIB	
17.46	3.84	9.5	0.9	1980
16.66	4.32	14.7	3.0	1981
26.28	4.59	6.5	6.4	1982
20.3	4.79	6.0	5.4	1983
17.36	4.98	8.1	3.3	1984
15	5.03	10.5	3.7	1985
1.38	4.70	12.4	0.4	1986
13.61	4.85	7.4	0.7-	1987
13.61	5.91	5.9	1.0-	1988
5.15	7.61	9.3	4.4	1989
11.33	8.86	16.6	1.1	1990
22.95	19.00	25.9	1.2-	1991
24.7	21.82	31.7	1.8	1992
21.61	23.36	20.5	2.1-	1993
15.3	35.09	29.0	0.9-	1994
10.5	47.68	29.8	3.8	1995
15	54.77	18.69	4.1	1996
18.2	57.73	5.73	1.1	1997
19.1	58.74	5.0	5.1	1998
13.6	66.64	2.64	3.2	1999
12.99	75.29	0.34	2.4	2000
22.3	77.30	4.23	2.1	2001
17.8	79.69	1.42	4.1	2002
15.61	77.39	2.59	6.9	2003
11.44	72.3	4	5.8	2004
10.9	73.36	1.64	5.3	2005
12.58	72.64	2.53	2.7	2006

.2005

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786-	9693	8907	1994
529-	10789	10260	1995
4378	9098	13476	1996
5036	8687	13723	1997
234	9820	10054	1998
2812	9730	12542	1999
12083	9635	21718	2000
8753	10424	19177	2001
6825	12007	18832	2002
11631	13008	24639	2003
11631	13008	24639	2004
26810	19570	46380	2005
31880	21000	52880	2006

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:(2)

:(1-2)

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2006

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:(2-2)

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2006

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:(3-2)

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2006

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:(4)

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:(1-4)

Dependent Variable: IDE
 Method: Least Squares
 Date: 12/31/07 Time: 10:24
 Sample: 1970 2006
 Included observations: 37

Variable	Coefficient	Std. Error	t-Statistic	Prob.
INF	-0.000893	0.011639	-0.076725	0.9393
TCH	0.016073	0.005087	3.159511	0.0033
C	0.117557	0.267478	0.439502	0.6631
R-squared	0.233953	Mean dependent var		0.546354
Adjusted R-squared	0.188891	S.D. dependent var		0.989943
S.E. of regression	0.891558	Akaike info criterion		2.685912
Sum squared resid	27.02578	Schwarz criterion		2.816527
Log likelihood	-46.68938	F-statistic		5.191846
Durbin-Watson stat	1.628695	Prob(F-statistic)		0.010773

:(2-4)

PIB

Dependent Variable: IDE
 Method: Least Squares
 Date: 12/31/07 Time: 10:33
 Sample: 1970 2006
 Included observations: 37

Variable	Coefficient	Std. Error	t-Statistic	Prob.
OVERT	0.039492	0.009776	4.039929	0.0003
C	-1.753371	0.585340	-2.995472	0.0050
R-squared	0.318018	Mean dependent var		0.546354
Adjusted R-squared	0.298533	S.D. dependent var		0.989943
S.E. of regression	0.829113	Akaike info criterion		2.515617
Sum squared resid	24.05999	Schwarz criterion		2.602694
Log likelihood	-44.53892	F-statistic		16.32103
Durbin-Watson stat	1.846210	Prob(F-statistic)		0.000278

:(3-4)

PIB

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PIB

Dependent Variable: IDE
 Method: Least Squares
 Date: 12/31/07 Time: 10:43
 Sample: 1970 2006
 Included observations: 37

Variable	Coefficient	Std. Error	t-Statistic	Prob.
IMP	0.001622	0.023690	0.068452	0.9458
EP	0.049646	0.011142	4.455934	0.0001
C	-1.003654	0.712926	-1.407795	0.1683
R-squared	0.374085	Mean dependent var		0.546354
Adjusted R-squared	0.337267	S.D. dependent var		0.989943
S.E. of regression	0.805897	Akaike info criterion		2.483883
Sum squared resid	22.08198	Schwarz criterion		2.614498
Log likelihood	-42.95184	F-statistic		10.16024
Durbin-Watson stat	1.935393	Prob(F-statistic)		0.000347

PIB

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:(4-4)

Dependent Variable: IDE

Method: Least Squares

Date: 12/31/07 Time: 10:49

Sample(adjusted): 1970 2005

Included observations: 36 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
DETEX	-0.047736	0.027812	-1.716419	0.0952
C	0.778295	0.229834	3.386333	0.0018
R-squared	0.079740	Mean dependent var		0.472149
Adjusted R-squared	0.052674	S.D. dependent var		0.893549
S.E. of regression	0.869697	Akaike info criterion		2.612610
Sum squared resid	25.71670	Schwarz criterion		2.700583
Log likelihood	-45.02698	F-statistic		2.946096
Durbin-Watson stat	1.375407	Prob(F-statistic)		0.095185

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:(5-4)

Dependent Variable: IDE

Method: Least Squares

Date: 12/31/07 Time: 10:53

Sample: 1970 2006

Included observations: 37

Variable	Coefficient	Std. Error	t-Statistic	Prob.
TXPIB	0.018326	0.007741	2.367399	0.0236
C	0.364528	0.171410	2.126643	0.0406
R-squared	0.138028	Mean dependent var		0.546354
Adjusted R-squared	0.113401	S.D. dependent var		0.989943
S.E. of regression	0.932124	Akaike info criterion		2.749837
Sum squared resid	30.40995	Schwarz criterion		2.836914
Log likelihood	-48.87199	F-statistic		5.604580
Durbin-Watson stat	1.155506	Prob(F-statistic)		0.023572

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:(6-4)

Dependent Variable: IDE

Method: Least Squares

Date: 12/31/07 Time: 10:59

Sample: 1970 2006

Included observations: 37

Variable	Coefficient	Std. Error	t-Statistic	Prob.
GPIB	-0.059622	0.025048	-2.380336	0.0229
C	2.381925	0.786195	3.029686	0.0046
R-squared	0.139330	Mean dependent var		0.546354
Adjusted R-squared	0.114740	S.D. dependent var		0.989943
S.E. of regression	0.931420	Akaike info criterion		2.748326
Sum squared resid	30.36403	Schwarz criterion		2.835402
Log likelihood	-48.84403	F-statistic		5.665997
Durbin-Watson stat	1.462694	Prob(F-statistic)		0.022875

Dependent Variable: IDE
 Method: Least Squares
 Date: 04/23/08 Time: 10:31
 Sample: 1970 2006
 Included observations: 37
 Convergence achieved after 5 iterations
 Backcast: 1969

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.349757	0.224073	1.560910	0.1278
TXPIB	0.023451	0.008969	2.614575	0.0132
MA(1)	0.401551	0.179969	2.231227	0.0324
R-squared	0.218916	Mean dependent var		0.546354
Adjusted R-squared	0.172970	S.D. dependent var		0.989943
S.E. of regression	0.900266	Akaike info criterion		2.705352
Sum squared resid	27.55628	Schwarz criterion		2.835967
Log likelihood	-47.04901	F-statistic		4.764616
Durbin-Watson stat	1.763363	Prob(F-statistic)		0.014992
Inverted MA Roots	-0.40			

Correlogram of IDE

Date: 12/31/07 Time: 13:02
 Sample: 1970 2006
 Included observations: 37

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
		1 0.273	0.273	2.9917	0.084
		2 0.235	0.173	5.2688	0.072
		3 0.016	-0.094	5.2797	0.152
		4 0.232	0.234	7.6334	0.106
		5 0.118	0.030	8.2577	0.143
		6 0.045	-0.095	8.3513	0.213
		7 0.013	0.035	8.3593	0.302
		8 0.016	-0.021	8.3717	0.398
		9 -0.103	-0.173	8.9185	0.445
		10 -0.028	0.058	8.9615	0.536
		11 -0.077	-0.036	9.2886	0.595
		12 -0.097	-0.132	9.8313	0.631
		13 -0.105	0.039	10.488	0.654
		14 -0.110	-0.050	11.246	0.667
		15 -0.121	-0.110	12.213	0.663
		16 -0.121	0.016	13.220	0.657

Correlogram of INF

Date: 12/31/07 Time: 13:12
 Sample: 1970 2006
 Included observations: 37

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
		1 0.302	0.302	3.6470	0.056
		2 -0.035	-0.138	3.6967	0.157
		3 0.152	0.230	4.6731	0.197
		4 0.085	-0.058	4.9885	0.288
		5 0.040	0.081	5.0603	0.409
		6 -0.055	-0.141	5.2016	0.518
		7 -0.235	-0.198	7.8559	0.345
		8 -0.294	-0.228	12.148	0.145
		9 -0.147	-0.025	13.262	0.151
		10 -0.131	-0.093	14.177	0.165
		11 -0.121	0.043	14.996	0.183
		12 -0.147	-0.114	16.237	0.181
		13 -0.113	0.000	16.999	0.199
		14 -0.096	-0.181	17.576	0.227
		15 -0.025	-0.019	17.617	0.283
		16 0.123	0.035	18.657	0.287

Date: 12/31/07 Time: 13:16
 Sample: 1970 2006
 Included observations: 37

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
		1	0.949	0.949	36.132	0.000
		2	0.884	-0.176	68.352	0.000
		3	0.812	-0.085	96.319	0.000
		4	0.722	-0.209	119.11	0.000
		5	0.620	-0.146	136.42	0.000
		6	0.511	-0.100	148.58	0.000
		7	0.398	-0.083	156.21	0.000
		8	0.295	0.056	160.54	0.000
		9	0.200	0.016	162.60	0.000
		10	0.106	-0.075	163.20	0.000
		11	0.015	-0.071	163.21	0.000
		12	-0.066	-0.043	163.46	0.000
		13	-0.128	0.088	164.45	0.000
		14	-0.173	0.077	166.32	0.000
		15	-0.215	-0.092	169.35	0.000
		16	-0.252	-0.068	173.71	0.000

Date: 12/31/07 Time: 13:20
 Sample: 1970 2006
 Included observations: 37

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
		1	0.780	0.780	24.378	0.000
		2	0.584	-0.062	38.429	0.000
		3	0.496	0.156	48.867	0.000
		4	0.379	-0.122	55.153	0.000
		5	0.234	-0.107	57.624	0.000
		6	0.124	-0.051	58.334	0.000
		7	0.041	-0.043	58.413	0.000
		8	-0.057	-0.098	58.576	0.000
		9	-0.079	0.118	58.897	0.000
		10	-0.091	-0.047	59.343	0.000
		11	-0.141	-0.071	60.450	0.000
		12	-0.175	-0.043	62.228	0.000
		13	-0.123	0.127	63.142	0.000
		14	-0.077	0.007	63.512	0.000
		15	-0.089	-0.060	64.029	0.000
		16	-0.113	-0.107	64.905	0.000

Date: 12/31/07 Time: 13:21
 Sample: 1970 2006
 Included observations: 37

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
		1	0.739	0.739	21.898	0.000
		2	0.416	-0.288	29.028	0.000
		3	0.234	0.122	31.355	0.000
		4	0.192	0.094	32.965	0.000
		5	0.179	-0.011	34.407	0.000
		6	0.095	-0.125	34.828	0.000
		7	-0.038	-0.102	34.898	0.000
		8	-0.043	0.194	34.988	0.000
		9	-0.025	-0.138	35.021	0.000
		10	-0.081	-0.148	35.375	0.000
		11	-0.144	0.043	36.532	0.000
		12	-0.185	-0.051	38.506	0.000
		13	-0.169	-0.014	40.231	0.000
		14	-0.126	-0.032	41.222	0.000
		15	-0.105	0.049	41.941	0.000
		16	-0.164	-0.187	43.781	0.000

Date: 12/31/07 Time: 13:23
 Sample: 1970 2006
 Included observations: 37

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
		1 0.601	0.601	14.482	0.000
		2 0.525	0.256	25.824	0.000
		3 0.156	-0.390	26.851	0.000
		4 0.051	-0.049	26.966	0.000
		5 -0.100	0.044	27.421	0.000
		6 0.007	0.213	27.423	0.000
		7 0.002	-0.006	27.424	0.000
		8 0.006	-0.247	27.426	0.001
		9 0.007	0.050	27.428	0.001
		10 -0.019	0.095	27.448	0.002
		11 -0.052	-0.041	27.595	0.004
		12 -0.079	-0.113	27.956	0.006
		13 -0.068	-0.020	28.237	0.008
		14 -0.083	0.056	28.669	0.012
		15 -0.084	-0.045	29.136	0.015
		16 -0.083	-0.076	29.612	0.020

Correlogram of GPIB

Date: 12/31/07 Time: 13:25
 Sample: 1970 2006
 Included observations: 37

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
		1 0.147	0.147	0.8680	0.352
		2 0.052	0.031	0.9798	0.613
		3 -0.003	-0.015	0.9801	0.806
		4 0.048	0.050	1.0814	0.897
		5 0.022	0.009	1.1024	0.954
		6 0.115	0.110	1.7233	0.943
		7 -0.123	-0.161	2.4558	0.930
		8 -0.127	-0.101	3.2531	0.917
		9 -0.091	-0.048	3.6819	0.931
		10 -0.033	-0.019	3.7406	0.958
		11 0.196	0.235	5.8747	0.882
		12 0.053	-0.007	6.0361	0.914
		13 -0.157	-0.161	7.5184	0.873
		14 -0.269	-0.256	12.062	0.601
		15 -0.090	-0.062	12.591	0.634
		16 -0.101	-0.082	13.295	0.651

Correlogram of DETEX

Date: 12/31/07 Time: 13:26
 Sample: 1970 2006
 Included observations: 36

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
		1 0.892	0.892	31.066	0.000
		2 0.774	-0.104	55.141	0.000
		3 0.677	0.039	74.123	0.000
		4 0.616	0.112	90.359	0.000
		5 0.559	-0.034	104.12	0.000
		6 0.494	-0.047	115.24	0.000
		7 0.421	-0.053	123.61	0.000
		8 0.338	-0.103	129.18	0.000
		9 0.237	-0.154	132.02	0.000
		10 0.158	0.027	133.33	0.000
		11 0.079	-0.110	133.68	0.000
		12 -0.007	-0.127	133.68	0.000
		13 -0.074	0.049	134.01	0.000
		14 -0.127	-0.020	135.02	0.000
		15 -0.173	-0.032	136.96	0.000
		16 -0.220	-0.024	140.26	0.000

Correlogram of OUVERT

Date: 12/31/07 Time: 13:29
 Sample: 1970 2006
 Included observations: 37

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
		1	0.783	0.783	24.567	0.000
		2	0.463	-0.388	33.389	0.000
		3	0.241	0.129	35.856	0.000
		4	0.162	0.097	37.003	0.000
		5	0.099	-0.163	37.448	0.000
		6	0.010	-0.044	37.453	0.000
		7	-0.109	-0.130	38.020	0.000
		8	-0.154	0.101	39.202	0.000
		9	-0.157	-0.103	40.466	0.000
		10	-0.166	-0.085	41.938	0.000
		11	-0.215	-0.074	44.493	0.000
		12	-0.285	-0.148	49.187	0.000
		13	-0.272	0.159	53.643	0.000
		14	-0.190	-0.062	55.907	0.000
		15	-0.147	-0.138	57.323	0.000
		16	-0.199	-0.135	60.044	0.000

:(6)

:(1-6)

:IDE

Augmented Dickey-Fuller Unit Root Test on IDE

ADF Test Statistic	-4.622356	1% Critical Value*	-4.2412
		5% Critical Value	-3.5426
		10% Critical Value	-3.2032

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(IDE1)
 Method: Least Squares
 Date: 01/01/08 Time: 13:01
 Sample(adjusted): 1972 2006
 Included observations: 35 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
IDE1(-1)	-0.783257	0.169450	-4.622356	0.0001
C	-0.086346	0.309342	-0.279128	0.7819
@TREND(1970)	0.023470	0.014883	1.576976	0.1246
R-squared	0.402105	Mean dependent var		0.003818
Adjusted R-squared	0.364736	S.D. dependent var		1.077640
S.E. of regression	0.858917	Akaike info criterion		2.615526
Sum squared resid	23.60761	Schwarz criterion		2.748842
Log likelihood	-42.77171	F-statistic		10.76053
Durbin-Watson stat	1.407020	Prob(F-statistic)		0.000267

Augmented Dickey-Fuller Unit Root Test on IDE

ADF Test Statistic	-4.267737	1% Critical Value*	-3.6289
		5% Critical Value	-2.9472
		10% Critical Value	-2.6118

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(IDE1)
 Method: Least Squares
 Date: 01/01/08 Time: 13:03
 Sample(adjusted): 1972 2006
 Included observations: 35 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
IDE1(-1)	-0.714068	0.167318	-4.267737	0.0002
C	0.328155	0.166744	1.968018	0.0575
R-squared	0.355640	Mean dependent var		0.003818
Adjusted R-squared	0.336114	S.D. dependent var		1.077640
S.E. of regression	0.878053	Akaike info criterion		2.633226
Sum squared resid	25.44225	Schwarz criterion		2.722103
Log likelihood	-44.08145	F-statistic		18.21358
Durbin-Watson stat	1.459343	Prob(F-statistic)		0.000156

Augmented Dickey-Fuller Unit Root Test on IDE

ADF Test Statistic	-3.636441	1% Critical Value*	-2.6300
		5% Critical Value	-1.9507
		10% Critical Value	-1.6208

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(IDE1)
 Method: Least Squares
 Date: 01/01/08 Time: 13:08
 Sample(adjusted): 1972 2006
 Included observations: 35 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
IDE1(-1)	-0.563989	0.155094	-3.636441	0.0009
R-squared	0.280013	Mean dependent var	0.003818	
Adjusted R-squared	0.280013	S.D. dependent var	1.077640	
S.E. of regression	0.914400	Akaike info criterion	2.687058	
Sum squared resid	28.42832	Schwarz criterion	2.731496	
Log likelihood	-46.02351	Durbin-Watson stat	1.637259	

: TCH :

Augmented Dickey-Fuller Unit Root Test on TCH

ADF Test Statistic	-1.878823	1% Critical Value*	-4.2505
		5% Critical Value	-3.5468
		10% Critical Value	-3.2056

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(TCH1)
 Method: Least Squares
 Date: 01/01/08 Time: 05:28
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
TCH1(-1)	-0.075248	0.040051	-1.878823	0.0700
D(TCH1(-1))	0.522754	0.149329	3.500682	0.0015
C	-1.848682	1.536041	-1.203537	0.2382
@TREND(1970)	0.243478	0.116812	2.084351	0.0457
R-squared	0.416744	Mean dependent var	2.021147	
Adjusted R-squared	0.358419	S.D. dependent var	3.936276	
S.E. of regression	3.152908	Akaike info criterion	5.244659	
Sum squared resid	298.2249	Schwarz criterion	5.424230	
Log likelihood	-85.15920	F-statistic	7.145143	
Durbin-Watson stat	1.830508	Prob(F-statistic)	0.000927	

Augmented Dickey-Fuller Unit Root Test on TCH

ADF Test Statistic	-0.155389	1% Critical Value*	-3.6353
		5% Critical Value	-2.9499
		10% Critical Value	-2.6133

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(TCH1)
 Method: Least Squares
 Date: 01/01/08 Time: 05:25
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
TCH1(-1)	-0.003325	0.021401	-0.155389	0.8775
D(TCH1(-1))	0.581088	0.154393	3.763693	0.0007
C	0.958269	0.777670	1.232231	0.2271
R-squared	0.332279	Mean dependent var	2.021147	
Adjusted R-squared	0.289200	S.D. dependent var	3.936276	
S.E. of regression	3.318633	Akaike info criterion	5.321080	
Sum squared resid	341.4131	Schwarz criterion	5.455759	
Log likelihood	-87.45836	F-statistic	7.713287	
Durbin-Watson stat	1.823534	Prob(F-statistic)	0.001911	

Augmented Dickey-Fuller Unit Root Test on TCH				
ADF Test Statistic	0.663858	1% Critical Value*		-2.6321
		5% Critical Value		-1.9510
		10% Critical Value		-1.6209

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(TCH1)
 Method: Least Squares
 Date: 01/01/08 Time: 05:31
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
TCH1(-1)	0.011750	0.017700	0.663858	0.5115
D(TCH1(-1))	0.612655	0.153481	3.991721	0.0004
R-squared	0.299574	Mean dependent var		2.021147
Adjusted R-squared	0.277685	S.D. dependent var		3.936276
S.E. of regression	3.345406	Akaike info criterion		5.310075
Sum squared resid	358.1356	Schwarz criterion		5.399861
Log likelihood	-88.27128	F-statistic		13.68646
Durbin-Watson stat	1.817462	Prob(F-statistic)		0.000808

:DETEX :

Augmented Dickey-Fuller Unit Root Test on DETEX				
ADF Test Statistic	-2.856482	1% Critical Value*		-4.2505
		5% Critical Value		-3.5468
		10% Critical Value		-3.2056

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(DETEX1)
 Method: Least Squares
 Date: 01/01/08 Time: 04:58
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
DETEX1(-1)	-0.362593	0.126937	-2.856482	0.0077
D(DETEX1(-1))	0.244979	0.100531	2.436848	0.0210
C	5.209681	2.131731	2.443874	0.0206
@TREND(1970)	-0.163128	0.066861	-2.439799	0.0208
R-squared	0.282327	Mean dependent var		-0.413147
Adjusted R-squared	0.210559	S.D. dependent var		1.410198
S.E. of regression	1.252968	Akaike info criterion		3.399038
Sum squared resid	47.09786	Schwarz criterion		3.578610
Log likelihood	-53.78365	F-statistic		3.933914
Durbin-Watson stat	1.601860	Prob(F-statistic)		0.017644

Augmented Dickey-Fuller Unit Root Test on DETEX				
ADF Test Statistic	-1.547430	1% Critical Value*		-3.6353
		5% Critical Value		-2.9499
		10% Critical Value		-2.6133

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(DETEX1)
 Method: Least Squares
 Date: 01/01/08 Time: 04:37
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
DETEX1(-1)	-0.070704	0.045692	-1.547430	0.1319
D(DETEX1(-1))	0.211311	0.107240	1.970455	0.0578
C	0.082305	0.384891	0.213839	0.8321
R-squared	0.139925	Mean dependent var		-0.413147
Adjusted R-squared	0.084437	S.D. dependent var		1.410198
S.E. of regression	1.349349	Akaike info criterion		3.521219
Sum squared resid	56.44305	Schwarz criterion		3.655898
Log likelihood	-56.86073	F-statistic		2.521692
Durbin-Watson stat	1.750852	Prob(F-statistic)		0.096674

Augmented Dickey-Fuller Unit Root Test on DETEX

ADF Test Statistic	-2.321444	1% Critical Value*	-2.6321
		5% Critical Value	-1.9510
		10% Critical Value	-1.6209

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(DETEX1)
 Method: Least Squares
 Date: 01/01/08 Time: 05:36
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
DETEX1(-1)	-0.062903	0.027097	-2.321444	0.0268
D(DETEX1(-1))	0.205902	0.102649	2.005892	0.0534
R-squared	0.138657	Mean dependent var	-0.413147	
Adjusted R-squared	0.111740	S.D. dependent var	1.410198	
S.E. of regression	1.329078	Akaike info criterion	3.463870	
Sum squared resid	56.52631	Schwarz criterion	3.553656	
Log likelihood	-56.88578	F-statistic	5.151273	
Durbin-Watson stat	1.756130	Prob(F-statistic)	0.030105	

:IMP :

Augmented Dickey-Fuller Unit Root Test on IMP

ADF Test Statistic	-2.589656	1% Critical Value*	-4.2505
		5% Critical Value	-3.5468
		10% Critical Value	-3.2056

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(IMP1)
 Method: Least Squares
 Date: 01/01/08 Time: 05:55
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
IMP1(-1)	-0.385474	0.148851	-2.589656	0.0147
D(IMP1(-1))	0.165737	0.183749	0.901977	0.3743
C	13.50515	5.404895	2.498690	0.0182
@TREND(1970)	-0.138884	0.084146	-1.650511	0.1093
R-squared	0.184260	Mean dependent var	0.025241	
Adjusted R-squared	0.102686	S.D. dependent var	3.872329	
S.E. of regression	3.668127	Akaike info criterion	5.547370	
Sum squared resid	403.6547	Schwarz criterion	5.726942	
Log likelihood	-90.30530	F-statistic	2.258811	
Durbin-Watson stat	2.012559	Prob(F-statistic)	0.101895	

Augmented Dickey-Fuller Unit Root Test on IMP

ADF Test Statistic	-1.942492	1% Critical Value*	-3.6353
		5% Critical Value	-2.9499
		10% Critical Value	-2.6133

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(IMP1)
 Method: Least Squares
 Date: 01/01/08 Time: 05:57
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
IMP1(-1)	-0.226588	0.116648	-1.942492	0.0612
D(IMP1(-1))	0.070540	0.179248	0.393535	0.6966
C	6.357635	3.322879	1.913291	0.0650
R-squared	0.110186	Mean dependent var	0.025241	
Adjusted R-squared	0.052779	S.D. dependent var	3.872329	
S.E. of regression	3.768756	Akaike info criterion	5.575464	
Sum squared resid	440.3091	Schwarz criterion	5.710143	
Log likelihood	-91.78289	F-statistic	1.919368	
Durbin-Watson stat	1.982172	Prob(F-statistic)	0.163734	

Augmented Dickey-Fuller Unit Root Test on IMP

ADF Test Statistic	-0.324766	1% Critical Value*	-2.6321
		5% Critical Value	-1.9510
		10% Critical Value	-1.6209

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(IMP1)
 Method: Least Squares
 Date: 01/01/08 Time: 06:17
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
IMP1(-1)	-0.007669	0.023614	-0.324766	0.7475
D(IMP1(-1))	-0.039098	0.176761	-0.221192	0.8263
R-squared	0.005111	Mean dependent var		0.025241
Adjusted R-squared	-0.025979	S.D. dependent var		3.872329
S.E. of regression	3.922307	Akaike info criterion		5.628259
Sum squared resid	492.3037	Schwarz criterion		5.718045
Log likelihood	-93.68041	F-statistic		0.164386
Durbin-Watson stat	2.016838	Prob(F-statistic)		0.687848

:EP :

Augmented Dickey-Fuller Unit Root Test on EP

ADF Test Statistic	-0.859400	1% Critical Value*	-4.2505
		5% Critical Value	-3.5468
		10% Critical Value	-3.2056

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(EP1)
 Method: Least Squares
 Date: 01/01/08 Time: 06:45
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
EP1(-1)	-0.132231	0.153865	-0.859400	0.3969
D(EP1(-1))	0.280239	0.217103	1.290809	0.2066
C	2.029496	4.408569	0.460353	0.6486
@TREND(1970)	0.149065	0.112232	1.328189	0.1941
R-squared	0.105658	Mean dependent var		1.446542
Adjusted R-squared	0.016224	S.D. dependent var		6.181276
S.E. of regression	6.130928	Akaike info criterion		6.574700
Sum squared resid	1127.649	Schwarz criterion		6.754272
Log likelihood	-107.7699	F-statistic		1.181408
Durbin-Watson stat	1.795251	Prob(F-statistic)		0.333351

Augmented Dickey-Fuller Unit Root Test on EP

ADF Test Statistic	-0.548129	1% Critical Value*	-3.6353
		5% Critical Value	-2.9499
		10% Critical Value	-2.6133

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(EP1)
 Method: Least Squares
 Date: 01/01/08 Time: 05:59
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
EP1(-1)	-0.082840	0.151132	-0.548129	0.5875
D(EP1(-1))	0.286777	0.219706	1.305273	0.2014
C	3.529132	4.313730	0.818116	0.4195
R-squared	0.053068	Mean dependent var		1.446542
Adjusted R-squared	-0.008024	S.D. dependent var		6.181276
S.E. of regression	6.206026	Akaike info criterion		6.573016
Sum squared resid	1193.957	Schwarz criterion		6.707695
Log likelihood	-108.7413	F-statistic		0.868659
Durbin-Watson stat	1.791907	Prob(F-statistic)		0.429475

Augmented Dickey-Fuller Unit Root Test on EP1

ADF Test Statistic	0.981350	1% Critical Value*	-2.6321
		5% Critical Value	-1.9510
		10% Critical Value	-1.6209

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(EP1)
 Method: Least Squares
 Date: 01/01/08 Time: 06:22
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
EP1(-1)	0.036879	0.037580	0.981350	0.3338
D(EP1(-1))	0.199159	0.190842	1.043578	0.3045
R-squared	0.032623	Mean dependent var		1.446542
Adjusted R-squared	0.002393	S.D. dependent var		6.181276
S.E. of regression	6.173876	Akaike info criterion		6.535553
Sum squared resid	1219.736	Schwarz criterion		6.625339
Log likelihood	-109.1044	F-statistic		1.079156
Durbin-Watson stat	1.825053	Prob(F-statistic)		0.306672

:OUVERT :

Augmented Dickey-Fuller Unit Root Test on OUVERT

ADF Test Statistic	-1.320943	1% Critical Value*	-4.2505
		5% Critical Value	-3.5468
		10% Critical Value	-3.2056

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(OUVERT1)
 Method: Least Squares
 Date: 01/01/08 Time: 07:08
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
OUVERT1(-1)	-0.158945	0.120327	-1.320943	0.1965
D(OUVERT1(-1))	0.433148	0.195318	2.217657	0.0343
C	8.502448	7.640392	1.112829	0.2746
@TREND(1970)	0.077300	0.126776	0.609739	0.5466
R-squared	0.176557	Mean dependent var		1.471794
Adjusted R-squared	0.094213	S.D. dependent var		7.380829
S.E. of regression	7.024546	Akaike info criterion		6.846829
Sum squared resid	1480.327	Schwarz criterion		7.026401
Log likelihood	-112.3951	F-statistic		2.144130
Durbin-Watson stat	1.841900	Prob(F-statistic)		0.115464

Augmented Dickey-Fuller Unit Root Test on OUVERT

ADF Test Statistic	-1.475634	1% Critical Value*	-3.6353
		5% Critical Value	-2.9499
		10% Critical Value	-2.6133

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(OUVERT1)
 Method: Least Squares
 Date: 01/01/08 Time: 06:03
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
OUVERT1(-1)	-0.172655	0.117004	-1.475634	0.1501
D(OUVERT1(-1))	0.460873	0.188017	2.451234	0.0201
C	10.75544	6.619383	1.624840	0.1143
R-squared	0.166352	Mean dependent var		1.471794
Adjusted R-squared	0.112568	S.D. dependent var		7.380829
S.E. of regression	6.953005	Akaike info criterion		6.800322
Sum squared resid	1498.673	Schwarz criterion		6.935001
Log likelihood	-112.6055	F-statistic		3.092984
Durbin-Watson stat	1.843028	Prob(F-statistic)		0.059598

Augmented Dickey-Fuller Unit Root Test on OUVERT1

ADF Test Statistic	0.655366	1% Critical Value*	-2.6321
		5% Critical Value	-1.9510
		10% Critical Value	-1.6209

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(OUVERT1)
 Method: Least Squares
 Date: 01/01/08 Time: 06:28
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
OUVERT1(-1)	0.014291	0.021806	0.655366	0.5169
D(OUVERT1(-1))	0.332792	0.175014	1.901514	0.0663
R-squared	0.095355	Mean dependent var	1.471794	
Adjusted R-squared	0.067085	S.D. dependent var	7.380829	
S.E. of regression	7.128961	Akaike info criterion	6.823230	
Sum squared resid	1626.307	Schwarz criterion	6.913016	
Log likelihood	-113.9949	F-statistic	3.372986	
Durbin-Watson stat	1.833033	Prob(F-statistic)	0.075578	

:GPIB :

Augmented Dickey-Fuller Unit Root Test on GPIB1

ADF Test Statistic	-4.980505	1% Critical Value*	-4.2412
		5% Critical Value	-3.5426
		10% Critical Value	-3.2032

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(GPIB1)
 Method: Least Squares
 Date: 01/01/08 Time: 12:53
 Sample(adjusted): 1972 2006
 Included observations: 35 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
GPIB1(-1)	-0.861497	0.172974	-4.980505	0.0000
C	27.77049	5.876309	4.725839	0.0000
@TREND(1970)	-0.052397	0.106516	-0.491918	0.6261
R-squared	0.438002	Mean dependent var	0.078486	
Adjusted R-squared	0.402877	S.D. dependent var	8.233417	
S.E. of regression	6.362267	Akaike info criterion	6.620463	
Sum squared resid	1295.310	Schwarz criterion	6.753779	
Log likelihood	-112.8581	F-statistic	12.46986	
Durbin-Watson stat	2.018903	Prob(F-statistic)	0.000099	

Augmented Dickey-Fuller Unit Root Test on GPIB

ADF Test Statistic	-5.027761	1% Critical Value*	-3.6289
		5% Critical Value	-2.9472
		10% Critical Value	-2.6118

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(GPIB1)
 Method: Least Squares
 Date: 01/01/08 Time: 12:49
 Sample(adjusted): 1972 2006
 Included observations: 35 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
GPIB1(-1)	-0.859352	0.170921	-5.027761	0.0000
C	26.70846	5.402203	4.943995	0.0000
R-squared	0.433752	Mean dependent var	0.078486	
Adjusted R-squared	0.416593	S.D. dependent var	8.233417	
S.E. of regression	6.288772	Akaike info criterion	6.570854	
Sum squared resid	1305.105	Schwarz criterion	6.659731	
Log likelihood	-112.9899	F-statistic	25.27839	
Durbin-Watson stat	2.008283	Prob(F-statistic)	0.000017	

Augmented Dickey-Fuller Unit Root Test on GPIB

ADF Test Statistic	-0.705432	1% Critical Value*	-2.6300
		5% Critical Value	-1.9507
		10% Critical Value	-1.6208

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(GPIB1)
 Method: Least Squares
 Date: 01/01/08 Time: 12:57
 Sample(adjusted): 1972 2006
 Included observations: 35 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
GPIB1(-1)	-0.030838	0.043716	-0.705432	0.4853
R-squared	0.014333	Mean dependent var		0.078486
Adjusted R-squared	0.014333	S.D. dependent var		8.233417
S.E. of regression	8.174200	Akaike info criterion		7.067998
Sum squared resid	2271.796	Schwarz criterion		7.112436
Log likelihood	-122.6900	Durbin-Watson stat		2.828282

TXPIB :

Augmented Dickey-Fuller Unit Root Test on TXPIB

ADF Test Statistic	-2.742393	1% Critical Value*	-4.2505
		5% Critical Value	-3.5468
		10% Critical Value	-3.2056

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(TXPIB1)
 Method: Least Squares
 Date: 01/01/08 Time: 06:53
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
TXPIB1(-1)	-0.465664	0.169802	-2.742393	0.0102
D(TXPIB1(-1))	-0.178859	0.167577	-1.067328	0.2943
C	17.13556	7.760102	2.208162	0.0350
@TREND(1970)	-0.608658	0.318787	-1.909293	0.0658
R-squared	0.342979	Mean dependent var		0.489176
Adjusted R-squared	0.277277	S.D. dependent var		18.33371
S.E. of regression	15.58606	Akaike info criterion		8.440762
Sum squared resid	7287.757	Schwarz criterion		8.620334
Log likelihood	-139.4929	F-statistic		5.220207
Durbin-Watson stat	1.645428	Prob(F-statistic)		0.005087

Augmented Dickey-Fuller Unit Root Test on TXPIB

ADF Test Statistic	-1.966884	1% Critical Value*	-3.6353
		5% Critical Value	-2.9499
		10% Critical Value	-2.6133

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(TXPIB1)
 Method: Least Squares
 Date: 01/01/08 Time: 06:05
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
TXPIB1(-1)	-0.297422	0.151215	-1.966884	0.0582
D(TXPIB1(-1))	-0.257181	0.169269	-1.519365	0.1388
C	3.525233	3.194789	1.103432	0.2783
R-squared	0.263142	Mean dependent var		0.489176
Adjusted R-squared	0.215603	S.D. dependent var		18.33371
S.E. of regression	16.23747	Akaike info criterion		8.496617
Sum squared resid	8173.317	Schwarz criterion		8.631296
Log likelihood	-141.4425	F-statistic		5.535256
Durbin-Watson stat	1.561048	Prob(F-statistic)		0.008799

Augmented Dickey-Fuller Unit Root Test on TXPIB1

ADF Test Statistic	-1.630515	1% Critical Value*	-2.6321
		5% Critical Value	-1.9510
		10% Critical Value	-1.6209

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(TXPIB1)
 Method: Least Squares
 Date: 01/01/08 Time: 07:00
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
TXPIB1(-1)	-0.215643	0.132254	-1.630515	0.1128
D(TXPIB1(-1))	-0.299010	0.165529	-1.806386	0.0803
R-squared	0.234201	Mean dependent var		0.489176
Adjusted R-squared	0.210270	S.D. dependent var		18.33371
S.E. of regression	16.29257	Akaike info criterion		8.476318
Sum squared resid	8494.334	Schwarz criterion		8.566104
Log likelihood	-142.0974	F-statistic		9.786413
Durbin-Watson stat	1.543004	Prob(F-statistic)		0.003733

:INF :

Augmented Dickey-Fuller Unit Root Test on INF

ADF Test Statistic	-4.179567	1% Critical Value*	-4.2412
		5% Critical Value	-3.5426
		10% Critical Value	-3.2032

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(INF1)
 Method: Least Squares
 Date: 01/01/08 Time: 13:00
 Sample(adjusted): 1972 2006
 Included observations: 35 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
INF1(-1)	-0.708467	0.169507	-4.179567	0.0002
C	11.67949	5.207919	2.242640	0.0320
@TREND(1970)	-0.107593	0.215909	-0.498325	0.6217
R-squared	0.356028	Mean dependent var		-0.094297
Adjusted R-squared	0.315780	S.D. dependent var		15.59547
S.E. of regression	12.90019	Akaike info criterion		8.034178
Sum squared resid	5325.280	Schwarz criterion		8.167494
Log likelihood	-137.5981	F-statistic		8.845809
Durbin-Watson stat	1.886002	Prob(F-statistic)		0.000875

Augmented Dickey-Fuller Unit Root Test on INF

ADF Test Statistic	-4.224911	1% Critical Value*	-3.6289
		5% Critical Value	-2.9472
		10% Critical Value	-2.6118

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(INF1)
 Method: Least Squares
 Date: 01/01/08 Time: 13:07
 Sample(adjusted): 1972 2006
 Included observations: 35 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
INF1(-1)	-0.707936	0.167562	-4.224911	0.0002
C	9.627931	3.153059	3.053520	0.0044
R-squared	0.351031	Mean dependent var		-0.094297
Adjusted R-squared	0.331365	S.D. dependent var		15.59547
S.E. of regression	12.75243	Akaike info criterion		7.984766
Sum squared resid	5366.606	Schwarz criterion		8.073643
Log likelihood	-137.7334	F-statistic		17.84987
Durbin-Watson stat	1.872904	Prob(F-statistic)		0.000177

Augmented Dickey-Fuller Unit Root Test on INF

ADF Test Statistic	-2.617368	1% Critical Value*	-2.6300
		5% Critical Value	-1.9507
		10% Critical Value	-1.6208

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(INF1)
 Method: Least Squares
 Date: 01/01/08 Time: 13:10
 Sample(adjusted): 1972 2006
 Included observations: 35 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
INF1(-1)	-0.334520	0.127808	-2.617368	0.0131
R-squared	0.167668	Mean dependent var	-0.094297	
Adjusted R-squared	0.167668	S.D. dependent var	15.59547	
S.E. of regression	14.22809	Akaike info criterion	8.176469	
Sum squared resid	6882.914	Schwarz criterion	8.220908	
Log likelihood	-142.0882	Durbin-Watson stat	2.117342	

:(2-6)

TCH :

Augmented Dickey-Fuller Unit Root Test on TCH

ADF Test Statistic	-1.953007	1% Critical Value*	-4.2605
		5% Critical Value	-3.5514
		10% Critical Value	-3.2081

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(TCH2)
 Method: Least Squares
 Date: 01/01/08 Time: 14:43
 Sample(adjusted): 1974 2006
 Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
TCH2(-1)	-0.078480	0.040184	-1.953007	0.0605
D(TCH2(-1))	0.606303	0.171207	3.541347	0.0014
C	-1.806686	1.664299	-1.085554	0.2866
@TREND(1970)	0.220000	0.119166	1.846161	0.0751
R-squared	0.435512	Mean dependent var	2.043091	
Adjusted R-squared	0.377117	S.D. dependent var	3.995195	
S.E. of regression	3.153126	Akaike info criterion	5.247878	
Sum squared resid	288.3240	Schwarz criterion	5.429273	
Log likelihood	-82.58999	F-statistic	7.457991	
Durbin-Watson stat	1.823021	Prob(F-statistic)	0.000758	

Augmented Dickey-Fuller Unit Root Test on TCH

ADF Test Statistic	-0.730757	1% Critical Value*	-3.6422
		5% Critical Value	-2.9527
		10% Critical Value	-2.6148

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(TCH2)
 Method: Least Squares
 Date: 01/01/08 Time: 14:26
 Sample(adjusted): 1974 2006
 Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
TCH2(-1)	-0.017206	0.023546	-0.730757	0.4706
D(TCH2(-1))	0.687474	0.171978	3.997445	0.0004
C	0.946426	0.768023	1.232289	0.2274
R-squared	0.369169	Mean dependent var	2.043091	
Adjusted R-squared	0.327113	S.D. dependent var	3.995195	
S.E. of regression	3.277245	Akaike info criterion	5.298391	
Sum squared resid	322.2101	Schwarz criterion	5.434438	
Log likelihood	-84.42346	F-statistic	8.778148	
Durbin-Watson stat	1.869288	Prob(F-statistic)	0.000997	

Augmented Dickey-Fuller Unit Root Test on TCH

ADF Test Statistic	-0.120595	1% Critical Value*	-2.6344
		5% Critical Value	-1.9514
		10% Critical Value	-1.6211

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(TCH2)

Method: Least Squares

Date: 01/01/08 Time: 14:49

Sample(adjusted): 1974 2006

Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
TCH2(-1)	-0.002466	0.020450	-0.120595	0.9048
D(TCH2(-1))	0.719776	0.171384	4.199778	0.0002

R-squared	0.337237	Mean dependent var	2.043091
Adjusted R-squared	0.315858	S.D. dependent var	3.995195
S.E. of regression	3.304541	Akaike info criterion	5.287164
Sum squared resid	338.5197	Schwarz criterion	5.377861
Log likelihood	-85.23820	F-statistic	15.77391
Durbin-Watson stat	1.863050	Prob(F-statistic)	0.000395

DETEX :

Augmented Dickey-Fuller Unit Root Test on DETEX

ADF Test Statistic	-2.890796	1% Critical Value*	-4.2605
		5% Critical Value	-3.5514
		10% Critical Value	-3.2081

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(DETEX2)

Method: Least Squares

Date: 01/01/08 Time: 14:38

Sample(adjusted): 1974 2006

Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
DETEX2(-1)	-0.378798	0.131036	-2.890796	0.0072
D(DETEX2(-1))	0.243754	0.101625	2.398553	0.0231
C	5.710919	2.289798	2.494071	0.0186
@TREND(1970)	-0.175567	0.070609	-2.486481	0.0189

R-squared	0.290297	Mean dependent var	-0.422455
Adjusted R-squared	0.216879	S.D. dependent var	1.431002
S.E. of regression	1.266353	Akaike info criterion	3.423372
Sum squared resid	46.50584	Schwarz criterion	3.604766
Log likelihood	-52.48563	F-statistic	3.954047
Durbin-Watson stat	1.595667	Prob(F-statistic)	0.017666

Augmented Dickey-Fuller Unit Root Test on DETEX

ADF Test Statistic	-1.510012	1% Critical Value*	-3.6422
		5% Critical Value	-2.9527
		10% Critical Value	-2.6148

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(DETEX2)

Method: Least Squares

Date: 01/01/08 Time: 14:12

Sample(adjusted): 1974 2006

Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
DETEX2(-1)	-0.071834	0.047572	-1.510012	0.1415
D(DETEX2(-1))	0.212018	0.109182	1.941874	0.0616
C	0.094492	0.406734	0.232319	0.8179

R-squared	0.138993	Mean dependent var	-0.422455
Adjusted R-squared	0.081593	S.D. dependent var	1.431002
S.E. of regression	1.371381	Akaike info criterion	3.556021
Sum squared resid	56.42055	Schwarz criterion	3.692067
Log likelihood	-55.67435	F-statistic	2.421461
Durbin-Watson stat	1.750221	Prob(F-statistic)	0.105950

Augmented Dickey-Fuller Unit Root Test on DETEX

ADF Test Statistic	-2.284505	1% Critical Value*	-2.6344
		5% Critical Value	-1.9514
		10% Critical Value	-1.6211

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(DETEX2)
 Method: Least Squares
 Date: 01/01/08 Time: 15:03
 Sample(adjusted): 1974 2006
 Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
DETEX2(-1)	-0.062892	0.027530	-2.284505	0.0293
D(DETEX2(-1))	0.205863	0.104290	1.973943	0.0574
R-squared	0.137444	Mean dependent var	-0.422455	
Adjusted R-squared	0.109620	S.D. dependent var	1.431002	
S.E. of regression	1.350293	Akaike info criterion	3.497212	
Sum squared resid	56.52205	Schwarz criterion	3.587910	
Log likelihood	-55.70401	F-statistic	4.939695	
Durbin-Watson stat	1.756129	Prob(F-statistic)	0.033676	

IMP :

Augmented Dickey-Fuller Unit Root Test on IMP

ADF Test Statistic	-2.529835	1% Critical Value*	-4.2605
		5% Critical Value	-3.5514
		10% Critical Value	-3.2081

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(IMP2)
 Method: Least Squares
 Date: 01/01/08 Time: 14:40
 Sample(adjusted): 1974 2006
 Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
IMP2(-1)	-0.392449	0.155128	-2.529835	0.0171
D(IMP2(-1))	0.160247	0.188699	0.849222	0.4027
C	13.95139	5.763846	2.420501	0.0220
@TREND(1970)	-0.145584	0.091651	-1.588467	0.1230
R-squared	0.181832	Mean dependent var	0.069229	
Adjusted R-squared	0.097194	S.D. dependent var	3.923732	
S.E. of regression	3.728178	Akaike info criterion	5.582929	
Sum squared resid	403.0800	Schwarz criterion	5.764324	
Log likelihood	-88.11832	F-statistic	2.148347	
Durbin-Watson stat	1.905883	Prob(F-statistic)	0.115709	

Augmented Dickey-Fuller Unit Root Test on IMP

ADF Test Statistic	-1.925417	1% Critical Value*	-3.6422
		5% Critical Value	-2.9527
		10% Critical Value	-2.6148

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(IMP2)
 Method: Least Squares
 Date: 01/01/08 Time: 14:23
 Sample(adjusted): 1974 2006
 Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
IMP2(-1)	-0.227834	0.118330	-1.925417	0.0637
D(IMP2(-1))	0.088771	0.187850	0.472565	0.6399
C	6.437448	3.375910	1.906878	0.0662
R-squared	0.110645	Mean dependent var	0.069229	
Adjusted R-squared	0.051355	S.D. dependent var	3.923732	
S.E. of regression	3.821654	Akaike info criterion	5.605751	
Sum squared resid	438.1511	Schwarz criterion	5.741798	
Log likelihood	-89.49490	F-statistic	1.866154	
Durbin-Watson stat	1.927772	Prob(F-statistic)	0.172238	

Augmented Dickey-Fuller Unit Root Test on IMP:

ADF Test Statistic	-0.272551	1% Critical Value*	-2.6344
		5% Critical Value	-1.9514
		10% Critical Value	-1.6211

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(IMP2)
 Method: Least Squares
 Date: 01/01/08 Time: 15:01
 Sample(adjusted): 1974 2006
 Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
IMP2(-1)	-0.006625	0.024308	-0.272551	0.7870
D(IMP2(-1))	-0.027386	0.185100	-0.147953	0.8833
R-squared	0.002850	Mean dependent var		0.069229
Adjusted R-squared	-0.029316	S.D. dependent var		3.923732
S.E. of regression	3.980832	Akaike info criterion		5.659550
Sum squared resid	491.2577	Schwarz criterion		5.750248
Log likelihood	-91.38258	F-statistic		0.088592
Durbin-Watson stat	1.946049	Prob(F-statistic)		0.767960

EP :

Augmented Dickey-Fuller Unit Root Test on EP

ADF Test Statistic	-1.558965	1% Critical Value*	-4.2605
		5% Critical Value	-3.5514
		10% Critical Value	-3.2081

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(EP2)
 Method: Least Squares
 Date: 01/01/08 Time: 14:46
 Sample(adjusted): 1974 2006
 Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
EP2(-1)	-0.245143	0.157247	-1.558965	0.1299
D(EP2(-1))	0.202773	0.210640	0.962654	0.3437
C	5.472417	4.599145	1.189877	0.2437
@TREND(1970)	0.112925	0.108547	1.040332	0.3068
R-squared	0.100351	Mean dependent var		1.070130
Adjusted R-squared	0.007284	S.D. dependent var		5.868075
S.E. of regression	5.846665	Akaike info criterion		6.482832
Sum squared resid	991.3212	Schwarz criterion		6.664227
Log likelihood	-102.9667	F-statistic		1.078264
Durbin-Watson stat	1.719071	Prob(F-statistic)		0.373724

Augmented Dickey-Fuller Unit Root Test on EP

ADF Test Statistic	-1.406771	1% Critical Value*	-3.6422
		5% Critical Value	-2.9527
		10% Critical Value	-2.6148

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(EP2)
 Method: Least Squares
 Date: 01/01/08 Time: 14:19
 Sample(adjusted): 1974 2006
 Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
EP2(-1)	-0.218572	0.155372	-1.406771	0.1698
D(EP2(-1))	0.200860	0.210921	0.952304	0.3486
C	6.998652	4.364857	1.603409	0.1193
R-squared	0.066776	Mean dependent var		1.070130
Adjusted R-squared	0.004561	S.D. dependent var		5.868075
S.E. of regression	5.854678	Akaike info criterion		6.458867
Sum squared resid	1028.318	Schwarz criterion		6.594913
Log likelihood	-103.5713	F-statistic		1.073307
Durbin-Watson stat	1.698717	Prob(F-statistic)		0.354642

Augmented Dickey-Fuller Unit Root Test on EP2

ADF Test Statistic	0.631681	1% Critical Value*	-2.6344
		5% Critical Value	-1.9514
		10% Critical Value	-1.6211

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(EP2)
 Method: Least Squares
 Date: 01/01/08 Time: 14:47
 Sample(adjusted): 1974 2006
 Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
EP2(-1)	0.023600	0.037361	0.631681	0.5322
D(EP2(-1))	0.072483	0.200016	0.362385	0.7195
R-squared	-0.013199	Mean dependent var		1.070130
Adjusted R-squared	-0.045883	S.D. dependent var		5.868075
S.E. of regression	6.001188	Akaike info criterion		6.480484
Sum squared resid	1116.442	Schwarz criterion		6.571181
Log likelihood	-104.9280	Durbin-Watson stat		1.781328

OUVERT :

Augmented Dickey-Fuller Unit Root Test on OUVERT

ADF Test Statistic	-1.575701	1% Critical Value*	-4.2605
		5% Critical Value	-3.5514
		10% Critical Value	-3.2081

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(OUVERT2)
 Method: Least Squares
 Date: 01/01/08 Time: 14:44
 Sample(adjusted): 1974 2006
 Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
OUVERT2(-1)	-0.200166	0.127033	-1.575701	0.1259
D(OUVERT2(-1))	0.371331	0.204637	1.814589	0.0799
C	11.40026	8.244975	1.382692	0.1773
@TREND(1970)	0.035509	0.133328	0.266325	0.7919
R-squared	0.145571	Mean dependent var		1.139364
Adjusted R-squared	0.057182	S.D. dependent var		7.232169
S.E. of regression	7.022349	Akaike info criterion		6.849285
Sum squared resid	1430.088	Schwarz criterion		7.030680
Log likelihood	-109.0132	F-statistic		1.646938
Durbin-Watson stat	1.648080	Prob(F-statistic)		0.200233

Augmented Dickey-Fuller Unit Root Test on OUVERT

ADF Test Statistic	-1.736742	1% Critical Value*	-3.6422
		5% Critical Value	-2.9527
		10% Critical Value	-2.6148

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(OUVERT2)
 Method: Least Squares
 Date: 01/01/08 Time: 14:24
 Sample(adjusted): 1974 2006
 Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
OUVERT2(-1)	-0.209234	0.120475	-1.736742	0.0927
D(OUVERT2(-1))	0.377774	0.200031	1.888579	0.0687
C	12.61125	6.770451	1.862689	0.0723
R-squared	0.143482	Mean dependent var		1.139364
Adjusted R-squared	0.086380	S.D. dependent var		7.232169
S.E. of regression	6.912756	Akaike info criterion		6.791122
Sum squared resid	1433.586	Schwarz criterion		6.927168
Log likelihood	-109.0535	F-statistic		2.512761
Durbin-Watson stat	1.640215	Prob(F-statistic)		0.097960

Augmented Dickey-Fuller Unit Root Test on OUVERT

ADF Test Statistic	0.519972	1% Critical Value*	-2.6344
		5% Critical Value	-1.9514
		10% Critical Value	-1.6211

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(OUVERT2)

Method: Least Squares

Date: 01/01/08 Time: 14:50

Sample(adjusted): 1974 2006

Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
OUVERT2(-1)	0.011588	0.022287	0.519972	0.6068
D(OUVERT2(-1))	0.267027	0.198452	1.345548	0.1882
R-squared	0.044422	Mean dependent var		1.139364
Adjusted R-squared	0.013597	S.D. dependent var		7.232169
S.E. of regression	7.182832	Akaike info criterion		6.839956
Sum squared resid	1599.366	Schwarz criterion		6.930654
Log likelihood	-110.8593	F-statistic		1.441104
Durbin-Watson stat	1.652614	Prob(F-statistic)		0.239054

TXPIB

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Augmented Dickey-Fuller Unit Root Test on TXPIB

ADF Test Statistic	-2.746289	1% Critical Value*	-4.2605
		5% Critical Value	-3.5514
		10% Critical Value	-3.2081

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(TXPIB2)

Method: Least Squares

Date: 01/01/08 Time: 14:42

Sample(adjusted): 1974 2006

Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
TXPIB2(-1)	-0.476849	0.173634	-2.746289	0.0102
D(TXPIB2(-1))	-0.172716	0.170270	-1.014364	0.3188
C	18.67829	8.392717	2.225535	0.0340
@TREND(1970)	-0.660118	0.340611	-1.938043	0.0624
R-squared	0.348058	Mean dependent var		0.500970
Adjusted R-squared	0.280615	S.D. dependent var		18.61784
S.E. of regression	15.79101	Akaike info criterion		8.469971
Sum squared resid	7231.320	Schwarz criterion		8.651365
Log likelihood	-135.7545	F-statistic		5.160818
Durbin-Watson stat	1.654972	Prob(F-statistic)		0.005562

Augmented Dickey-Fuller Unit Root Test on TXPIB

ADF Test Statistic	-1.939705	1% Critical Value*	-3.6422
		5% Critical Value	-2.9527
		10% Critical Value	-2.6148

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(TXPIB2)

Method: Least Squares

Date: 01/01/08 Time: 14:27

Sample(adjusted): 1974 2006

Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
TXPIB2(-1)	-0.298315	0.153794	-1.939705	0.0619
D(TXPIB2(-1))	-0.257041	0.172013	-1.494311	0.1455
C	3.603971	3.294191	1.094038	0.2826
R-squared	0.263620	Mean dependent var		0.500970
Adjusted R-squared	0.214528	S.D. dependent var		18.61784
S.E. of regression	16.50041	Akaike info criterion		8.531155
Sum squared resid	8167.903	Schwarz criterion		8.667201
Log likelihood	-137.7641	F-statistic		5.369905
Durbin-Watson stat	1.560794	Prob(F-statistic)		0.010152

Augmented Dickey-Fuller Unit Root Test on TXPIB

ADF Test Statistic	-1.605173	1% Critical Value*	-2.6344
		5% Critical Value	-1.9514
		10% Critical Value	-1.6211

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(TXPIB2)
 Method: Least Squares
 Date: 01/01/08 Time: 14:48
 Sample(adjusted): 1974 2006
 Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
TXPIB2(-1)	-0.215937	0.134526	-1.605173	0.1186
D(TXPIB2(-1))	-0.298760	0.168265	-1.775536	0.0856
R-squared	0.234240	Mean dependent var	0.500970	
Adjusted R-squared	0.209538	S.D. dependent var	18.61784	
S.E. of regression	16.55273	Akaike info criterion	8.509671	
Sum squared resid	8493.781	Schwarz criterion	8.600368	
Log likelihood	-138.4096	F-statistic	9.482655	
Durbin-Watson stat	1.543205	Prob(F-statistic)	0.004320	

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Augmented Dickey-Fuller Unit Root Test on RESID02

ADF Test Statistic	-6.337410	1% Critical Value*	-2.6280
		5% Critical Value	-1.9504
		10% Critical Value	-1.6206

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation

Dependent Variable: D(RESID02)
 Method: Least Squares
 Date: 04/24/08 Time: 10:58
 Sample(adjusted): 1971 2006
 Included observations: 36 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
RESID02(-1)	-1.092314	0.172360	-6.337410	0.0000
R-squared	0.534197	Mean dependent var	0.015522	
Adjusted R-squared	0.534197	S.D. dependent var	0.887439	
S.E. of regression	0.605675	Akaike info criterion	1.862438	
Sum squared resid	12.83948	Schwarz criterion	1.906425	
Log likelihood	-32.52389	Durbin-Watson stat	1.553369	

Phillips-Perron Unit Root Test on RESID02

PP Test Statistic	-6.337410	1% Critical Value*	-2.6280
		5% Critical Value	-1.9504
		10% Critical Value	-1.6206

*MacKinnon critical values for rejection of hypothesis of a unit root.

Lag truncation for Bartlett kernel: 0	(Newey-West suggests: 3)
Residual variance with no correction	0.356652
Residual variance with correction	0.356652

Phillips-Perron Test Equation

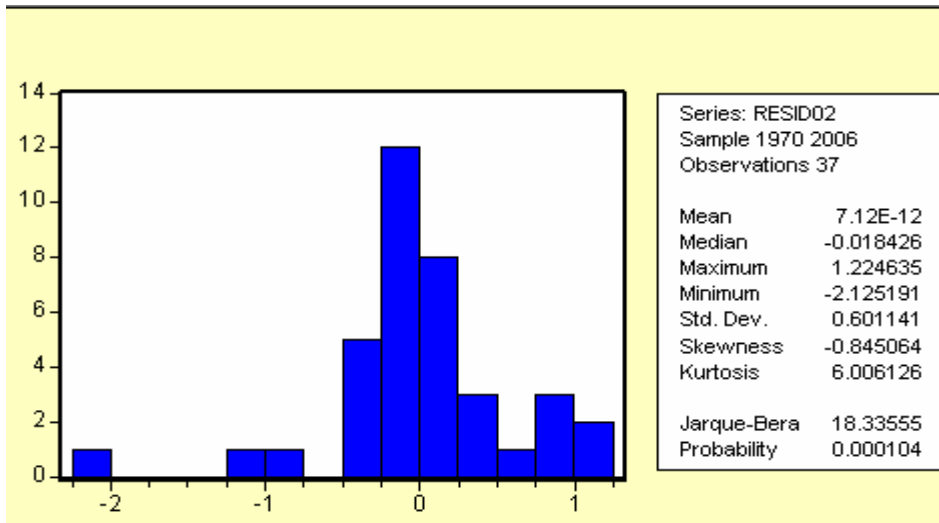
Dependent Variable: D(RESID02)
 Method: Least Squares
 Date: 04/24/08 Time: 11:00
 Sample(adjusted): 1971 2006
 Included observations: 36 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
RESID02(-1)	-1.092314	0.172360	-6.337410	0.0000
R-squared	0.534197	Mean dependent var	0.015522	
Adjusted R-squared	0.534197	S.D. dependent var	0.887439	
S.E. of regression	0.605675	Akaike info criterion	1.862438	
Sum squared resid	12.83948	Schwarz criterion	1.906425	
Log likelihood	-32.52389	Durbin-Watson stat	1.553369	

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(test de normalité)

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Augmented Dickey-Fuller Unit Root Test on RESID01

ADF Test Statistic	-4.222648	1% Critical Value*	-2.6321
		5% Critical Value	-1.9510
		10% Critical Value	-1.6209

*MacKinnon critical values for rejection of hypothesis of a unit root.

Augmented Dickey-Fuller Test Equation
 Dependent Variable: D(RESID01)
 Method: Least Squares
 Date: 04/24/08 Time: 10:52
 Sample(adjusted): 1972 2005
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
RESID01(-1)	-0.548859	0.129980	-4.222648	0.0002
R-squared	0.344023	Mean dependent var	-0.158049	
Adjusted R-squared	0.344023	S.D. dependent var	1.571719	
S.E. of regression	1.272973	Akaike info criterion	3.349557	
Sum squared resid	53.47516	Schwarz criterion	3.394450	
Log likelihood	-55.94247	Durbin-Watson stat	2.055793	

Phillips-Perron Unit Root Test on RESID01

PP Test Statistic	-4.222648	1% Critical Value*	-2.6321
		5% Critical Value	-1.9510
		10% Critical Value	-1.6209

*MacKinnon critical values for rejection of hypothesis of a unit root.

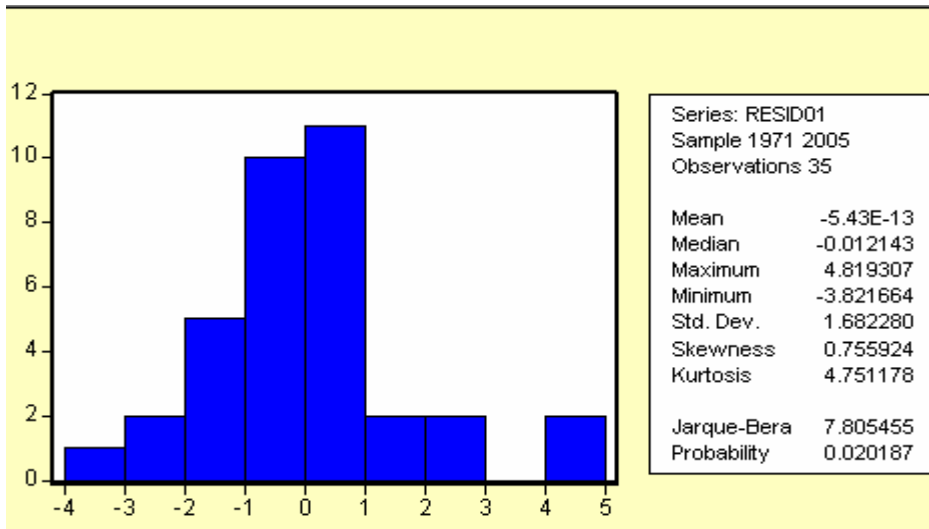
Lag truncation for Bartlett kernel: 0 (Newey-West suggests: 3)
 Residual variance with no correction 1.572799
 Residual variance with correction 1.572799

Phillips-Perron Test Equation
 Dependent Variable: D(RESID01)
 Method: Least Squares
 Date: 04/24/08 Time: 10:54
 Sample(adjusted): 1972 2005
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
RESID01(-1)	-0.548859	0.129980	-4.222648	0.0002
R-squared	0.344023	Mean dependent var	-0.158049	
Adjusted R-squared	0.344023	S.D. dependent var	1.571719	
S.E. of regression	1.272973	Akaike info criterion	3.349557	
Sum squared resid	53.47516	Schwarz criterion	3.394450	
Log likelihood	-55.94247	Durbin-Watson stat	2.055793	

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Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:01
 Sample(adjusted): 1971 2006
 Included observations: 36 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.372368	0.182857	2.036392	0.0496
IDE(-1)	0.343786	0.182932	1.879309	0.0688
R-squared	0.094102	Mean dependent var		0.534687
Adjusted R-squared	0.067458	S.D. dependent var		1.001402
S.E. of regression	0.967036	Akaike info criterion		2.824791
Sum squared resid	31.79541	Schwarz criterion		2.912764
Log likelihood	-48.84624	F-statistic		3.531803
Durbin-Watson stat	1.413594	Prob(F-statistic)		0.068796

Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:06
 Sample(adjusted): 1972 2006
 Included observations: 35 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.377782	0.145331	2.599460	0.0140
IDE(-1)	0.350950	0.143534	2.445072	0.0202
IDE(-2)	0.211020	0.143935	1.466078	0.1524
R-squared	0.257061	Mean dependent var		0.634375
Adjusted R-squared	0.210627	S.D. dependent var		0.814874
S.E. of regression	0.723988	Akaike info criterion		2.273733
Sum squared resid	16.77308	Schwarz criterion		2.407048
Log likelihood	-36.79032	F-statistic		5.536087
Durbin-Watson stat	1.253433	Prob(F-statistic)		0.008615

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Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:08
 Sample(adjusted): 1973 2006
 Included observations: 34 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.300284	0.159005	1.888513	0.0687
IDE(-1)	0.637404	0.207534	3.071327	0.0045
IDE(-2)	0.141346	0.154085	0.917327	0.3663
IDE(-3)	-0.169217	0.145044	-1.166662	0.2525
R-squared	0.337323	Mean dependent var		0.644334
Adjusted R-squared	0.271056	S.D. dependent var		0.824964
S.E. of regression	0.704339	Akaike info criterion		2.247018
Sum squared resid	14.88282	Schwarz criterion		2.426590
Log likelihood	-34.19930	F-statistic		5.090316
Durbin-Watson stat	1.592198	Prob(F-statistic)		0.005745

Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:10
 Sample(adjusted): 1974 2006
 Included observations: 33 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.125589	0.151863	0.826987	0.4152
IDE(-1)	0.700319	0.200924	3.485489	0.0016
IDE(-2)	0.186019	0.218314	0.852073	0.4014
IDE(-3)	-0.313203	0.138501	-2.261371	0.0317
IDE(-4)	0.367697	0.134223	2.739441	0.0106
R-squared	0.515484	Mean dependent var		0.646126
Adjusted R-squared	0.446267	S.D. dependent var		0.837687
S.E. of regression	0.623350	Akaike info criterion		2.031310
Sum squared resid	10.87983	Schwarz criterion		2.258054
Log likelihood	-28.51662	F-statistic		7.447398
Durbin-Watson stat	1.867579	Prob(F-statistic)		0.000323

Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:11
 Sample(adjusted): 1975 2006
 Included observations: 32 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.067566	0.147102	0.459313	0.6498
IDE(-1)	0.544007	0.216012	2.518408	0.0183
IDE(-2)	0.148357	0.232255	0.638767	0.5286
IDE(-3)	0.054418	0.212402	0.256205	0.7998
IDE(-4)	0.229786	0.146816	1.565127	0.1296
IDE(-5)	0.008477	0.142788	0.059368	0.9531
R-squared	0.500963	Mean dependent var		0.581627
Adjusted R-squared	0.404995	S.D. dependent var		0.763310
S.E. of regression	0.588791	Akaike info criterion		1.945871
Sum squared resid	9.013561	Schwarz criterion		2.220697
Log likelihood	-25.13394	F-statistic		5.220076
Durbin-Watson stat	1.497029	Prob(F-statistic)		0.001896

Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:13
 Sample(adjusted): 1976 2006
 Included observations: 31 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.057015	0.154665	0.368635	0.7156
IDE(-1)	0.702230	0.291334	2.410400	0.0240
IDE(-2)	0.091009	0.263926	0.344827	0.7332
IDE(-3)	0.087549	0.240211	0.364467	0.7187
IDE(-4)	0.084257	0.230417	0.365670	0.7178
IDE(-5)	0.020323	0.157585	0.128963	0.8985
IDE(-6)	0.072262	0.163014	0.443286	0.6615
R-squared	0.514223	Mean dependent var		0.575715
Adjusted R-squared	0.392779	S.D. dependent var		0.775183
S.E. of regression	0.604057	Akaike info criterion		2.025382
Sum squared resid	8.757230	Schwarz criterion		2.349186
Log likelihood	-24.39343	F-statistic		4.234228
Durbin-Watson stat	1.533761	Prob(F-statistic)		0.004800

Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:17
 Sample(adjusted): 1977 2006
 Included observations: 30 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.054265	0.163506	0.331885	0.7431
IDE(-1)	0.760630	0.328220	2.317439	0.0302
IDE(-2)	-0.039422	0.386987	-0.101869	0.9198
IDE(-3)	0.115949	0.277935	0.417181	0.6806
IDE(-4)	0.054975	0.272780	0.201536	0.8421
IDE(-5)	0.111702	0.250427	0.446046	0.6599
IDE(-6)	0.073731	0.181859	0.405427	0.6891
IDE(-7)	-0.035934	0.176757	-0.203294	0.8408
R-squared	0.512943	Mean dependent var		0.559746
Adjusted R-squared	0.357971	S.D. dependent var		0.783231
S.E. of regression	0.627578	Akaike info criterion		2.129279
Sum squared resid	8.664779	Schwarz criterion		2.502932
Log likelihood	-23.93919	F-statistic		3.309897
Durbin-Watson stat	1.554652	Prob(F-statistic)		0.014646

Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:20
 Sample(adjusted): 1978 2006
 Included observations: 29 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.021201	0.174798	0.121289	0.9047
IDE(-1)	0.850187	0.367199	2.315329	0.0313
IDE(-2)	-0.227447	0.429888	-0.529085	0.6026
IDE(-3)	0.356606	0.394069	0.904933	0.3763
IDE(-4)	-0.120204	0.334654	-0.359188	0.7232
IDE(-5)	0.282566	0.310142	0.911086	0.3731
IDE(-6)	-0.051168	0.290632	-0.176058	0.8620
IDE(-7)	-0.115670	0.208991	-0.553469	0.5861
IDE(-8)	0.202275	0.194421	1.040397	0.3106
R-squared	0.538817	Mean dependent var		0.549698
Adjusted R-squared	0.354344	S.D. dependent var		0.795125
S.E. of regression	0.638904	Akaike info criterion		2.191002
Sum squared resid	8.163974	Schwarz criterion		2.615335
Log likelihood	-22.76953	F-statistic		2.920842
Durbin-Watson stat	1.560118	Prob(F-statistic)		0.024709

Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:23
 Sample(adjusted): 1979 2006
 Included observations: 28 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.175900	0.160301	1.097312	0.2870
IDE(-1)	0.711929	0.317791	2.240246	0.0379
IDE(-2)	-0.499206	0.384587	-1.298030	0.2107
IDE(-3)	0.494695	0.371890	1.330218	0.2001
IDE(-4)	0.330088	0.374636	0.881090	0.3899
IDE(-5)	0.530254	0.298843	1.774356	0.0929
IDE(-6)	-0.412494	0.314836	-1.310187	0.2066
IDE(-7)	-0.533165	0.259028	-2.058333	0.0543
IDE(-8)	0.397542	0.184883	2.150233	0.0454
IDE(-9)	-0.245724	0.175376	-1.401125	0.1782
R-squared	0.695614	Mean dependent var		0.550658
Adjusted R-squared	0.543422	S.D. dependent var		0.809698
S.E. of regression	0.547118	Akaike info criterion		1.904147
Sum squared resid	5.388079	Schwarz criterion		2.379934
Log likelihood	-16.65806	F-statistic		4.570614
Durbin-Watson stat	2.127599	Prob(F-statistic)		0.002984

Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:26
 Sample(adjusted): 1980 2006
 Included observations: 27 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.203555	0.153120	1.329383	0.2024
IDE(-1)	0.580874	0.302073	1.922959	0.0725
IDE(-2)	-0.466119	0.338173	-1.378344	0.1871
IDE(-3)	0.409738	0.348523	1.175644	0.2569
IDE(-4)	0.147017	0.368877	0.398554	0.6955
IDE(-5)	1.174789	0.344577	3.409363	0.0036
IDE(-6)	-0.380392	0.307042	-1.238892	0.2333
IDE(-7)	-0.478336	0.288250	-1.659448	0.1165
IDE(-8)	-0.116755	0.250025	-0.462975	0.6496
IDE(-9)	-0.173139	0.181497	-0.953950	0.3543
IDE(-10)	0.161599	0.161202	1.002458	0.3310
R-squared	0.794587	Mean dependent var		0.568189
Adjusted R-squared	0.666203	S.D. dependent var		0.819689
S.E. of regression	0.473577	Akaike info criterion		1.634560
Sum squared resid	3.588396	Schwarz criterion		2.162494
Log likelihood	-11.06656	F-statistic		6.189169
Durbin-Watson stat	1.536410	Prob(F-statistic)		0.000703

Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:28
 Sample(adjusted): 1981 2006
 Included observations: 26 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.246044	0.158076	1.556491	0.1419
IDE(-1)	0.693418	0.296003	2.342603	0.0344
IDE(-2)	-0.608219	0.346550	-1.755066	0.1011
IDE(-3)	0.567059	0.343642	1.650146	0.1212
IDE(-4)	0.012263	0.380399	0.032237	0.9747
IDE(-5)	1.366303	0.369282	3.699888	0.0024
IDE(-6)	-0.938785	0.510657	-1.838386	0.0873
IDE(-7)	-0.233182	0.310793	-0.750280	0.4655
IDE(-8)	-0.253553	0.298961	-0.848114	0.4106
IDE(-9)	-0.020448	0.244463	-0.083646	0.9345
IDE(-10)	0.268545	0.180906	1.484447	0.1599
IDE(-11)	-0.273272	0.159304	-1.715408	0.1083
R-squared	0.835078	Mean dependent var		0.558371
Adjusted R-squared	0.705497	S.D. dependent var		0.834301
S.E. of regression	0.452760	Akaike info criterion		1.557128
Sum squared resid	2.869882	Schwarz criterion		2.137788
Log likelihood	-8.242669	F-statistic		6.444424
Durbin-Watson stat	1.778892	Prob(F-statistic)		0.000857

Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:30
 Sample(adjusted): 1982 2006
 Included observations: 25 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.170372	0.176390	0.965882	0.3532
IDE(-1)	0.701038	0.331202	2.116645	0.0559
IDE(-2)	-0.618919	0.387675	-1.596490	0.1364
IDE(-3)	0.775366	0.402250	1.927572	0.0779
IDE(-4)	-0.016331	0.418963	-0.038960	0.9695
IDE(-5)	1.492865	0.395707	3.772648	0.0027
IDE(-6)	-1.351840	0.646722	-2.090295	0.0585
IDE(-7)	-0.268984	0.585961	-0.459047	0.6544
IDE(-8)	-0.365502	0.325723	-1.122126	0.2838
IDE(-9)	0.229450	0.336173	0.682536	0.5079
IDE(-10)	0.367130	0.252188	1.455779	0.1711
IDE(-11)	-0.410658	0.205490	-1.998438	0.0688
IDE(-12)	0.172931	0.183372	0.943061	0.3642
R-squared	0.848280	Mean dependent var		0.579515
Adjusted R-squared	0.696560	S.D. dependent var		0.844365
S.E. of regression	0.465122	Akaike info criterion		1.612998
Sum squared resid	2.596064	Schwarz criterion		2.246813
Log likelihood	-7.162469	F-statistic		5.591079
Durbin-Watson stat	1.816847	Prob(F-statistic)		0.002821

Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:33
 Sample(adjusted): 1983 2006
 Included observations: 24 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.186862	0.191621	0.975164	0.3525
IDE(-1)	0.791983	0.360516	2.196806	0.0527
IDE(-2)	-0.576926	0.425048	-1.357319	0.2045
IDE(-3)	0.669802	0.461160	1.452429	0.1770
IDE(-4)	-0.158068	0.508014	-0.311150	0.7621
IDE(-5)	1.392264	0.438266	3.176757	0.0099
IDE(-6)	-1.444760	0.720734	-2.004567	0.0728
IDE(-7)	-0.035542	0.788189	-0.045094	0.9649
IDE(-8)	0.093594	0.626188	0.149466	0.8842
IDE(-9)	0.253539	0.380568	0.666212	0.5203
IDE(-10)	0.191869	0.358722	0.534868	0.6044
IDE(-11)	-0.603385	0.285768	-2.111451	0.0609
IDE(-12)	0.245799	0.250427	0.981518	0.3495
IDE(-13)	-0.018515	0.198961	-0.093059	0.9277
R-squared	0.858370	Mean dependent var		0.608602
Adjusted R-squared	0.674251	S.D. dependent var		0.849635
S.E. of regression	0.484924	Akaike info criterion		1.681549
Sum squared resid	2.351513	Schwarz criterion		2.368747
Log likelihood	-6.178584	F-statistic		4.662046
Durbin-Watson stat	2.023540	Prob(F-statistic)		0.009902

Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:35
 Sample(adjusted): 1984 2006
 Included observations: 23 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.237442	0.218988	1.084270	0.3098
IDE(-1)	0.726797	0.406395	1.788403	0.1115
IDE(-2)	-0.479495	0.483848	-0.991005	0.3507
IDE(-3)	0.598009	0.515492	1.160074	0.2795
IDE(-4)	0.016158	0.672482	0.024027	0.9814
IDE(-5)	1.185491	0.556365	2.130778	0.0657
IDE(-6)	-1.453813	0.872981	-1.665344	0.1344
IDE(-7)	-0.266220	0.924239	-0.288042	0.7806
IDE(-8)	0.451798	0.857583	0.526827	0.6126
IDE(-9)	0.116051	0.767096	0.151286	0.8835
IDE(-10)	0.326593	0.433202	0.753905	0.4725
IDE(-11)	-0.767473	0.394143	-1.947193	0.0874
IDE(-12)	0.223177	0.457994	0.487292	0.6391
IDE(-13)	0.106489	0.284530	0.374264	0.7179
IDE(-14)	-0.165117	0.241279	-0.684342	0.5131
R-squared	0.863928	Mean dependent var		0.635027
Adjusted R-squared	0.625801	S.D. dependent var		0.858587
S.E. of regression	0.525213	Akaike info criterion		1.798269
Sum squared resid	2.206790	Schwarz criterion		2.538809
Log likelihood	-5.680098	F-statistic		3.628020
Durbin-Watson stat	2.246303	Prob(F-statistic)		0.036405

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Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:38
 Sample(adjusted): 1985 2006
 Included observations: 22 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.380148	0.225527	1.685599	0.1429
IDE(-1)	0.556091	0.401334	1.385607	0.2152
IDE(-2)	-0.524534	0.463521	-1.131631	0.3010
IDE(-3)	0.734764	0.500298	1.468653	0.1923
IDE(-4)	0.030814	0.661549	0.046578	0.9644
IDE(-5)	1.641502	0.640734	2.561908	0.0428
IDE(-6)	-1.791832	0.856207	-2.092755	0.0813
IDE(-7)	-0.610161	0.969344	-0.629458	0.5522
IDE(-8)	-0.033506	0.886880	-0.037780	0.9711
IDE(-9)	0.823638	0.906899	0.908191	0.3988
IDE(-10)	-0.128327	0.733102	-0.175046	0.8668
IDE(-11)	-0.425384	0.427143	-0.995881	0.3578
IDE(-12)	-0.159705	0.528552	-0.302156	0.7727
IDE(-13)	0.203919	0.447226	0.455963	0.6645
IDE(-14)	0.074790	0.295737	0.252895	0.8088
IDE(-15)	-0.395610	0.238174	-1.661013	0.1478
R-squared	0.904971	Mean dependent var		0.663825
Adjusted R-squared	0.667399	S.D. dependent var		0.867348
S.E. of regression	0.500213	Akaike info criterion		1.607698
Sum squared resid	1.501280	Schwarz criterion		2.401183
Log likelihood	-1.684679	F-statistic		3.809251
Durbin-Watson stat	2.223962	Prob(F-statistic)		0.053953

Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:42
 Sample(adjusted): 1986 2006
 Included observations: 21 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.492317	0.265072	1.857296	0.1368
IDE(-1)	0.411439	0.469022	0.877227	0.4299
IDE(-2)	-0.450747	0.437212	-1.030956	0.3608
IDE(-3)	0.715913	0.480493	1.489955	0.2105
IDE(-4)	0.260847	0.701676	0.371748	0.7289
IDE(-5)	1.406850	0.618002	2.276449	0.0851
IDE(-6)	-1.802436	0.931536	-1.934908	0.1251
IDE(-7)	-0.904090	1.079064	-0.837846	0.4493
IDE(-8)	0.297099	0.948809	0.313128	0.7698
IDE(-9)	0.385451	0.920346	0.418811	0.6969
IDE(-10)	0.680054	0.904685	0.751702	0.4940
IDE(-11)	0.223699	0.692835	0.322875	0.7630
IDE(-12)	-0.117556	0.512926	-0.229188	0.8300
IDE(-13)	-0.211014	0.496977	-0.424596	0.6930
IDE(-14)	-0.390179	0.427811	-0.912037	0.4133
IDE(-15)	-0.140683	0.277260	-0.507405	0.6386
IDE(-16)	-0.117876	0.279713	-0.421416	0.6951
R-squared	0.943252	Mean dependent var		0.695402
Adjusted R-squared	0.716261	S.D. dependent var		0.875713
S.E. of regression	0.466468	Akaike info criterion		1.273564
Sum squared resid	0.870369	Schwarz criterion		2.119130
Log likelihood	3.627580	F-statistic		4.155453
Durbin-Watson stat	2.533040	Prob(F-statistic)		0.088867

Dependent Variable: IDE
 Method: Least Squares
 Date: 03/01/08 Time: 23:49
 Sample(adjusted): 1987 2006
 Included observations: 20 after adjusting endpoints

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.632385	0.433109	1.460106	0.2817
IDE(-1)	0.222069	0.618067	0.359296	0.7538
IDE(-2)	-0.307915	0.615138	-0.500563	0.6663
IDE(-3)	0.503167	0.623915	0.806468	0.5046
IDE(-4)	0.243760	0.840352	0.290070	0.7991
IDE(-5)	1.477721	0.855091	1.728146	0.2261
IDE(-6)	-1.129447	1.355450	-0.833264	0.4924
IDE(-7)	-1.655056	1.579554	-1.047800	0.4047
IDE(-8)	0.151493	1.409481	0.107482	0.9242
IDE(-9)	1.190566	1.505706	0.790702	0.5120
IDE(-10)	0.650387	1.127035	0.577078	0.6222
IDE(-11)	0.869587	1.245489	0.698189	0.5573
IDE(-12)	0.300836	0.841402	0.357542	0.7549
IDE(-13)	-0.311209	0.626404	-0.496819	0.6686
IDE(-14)	-0.611109	0.612095	-0.998390	0.4233
IDE(-15)	-0.634426	0.655478	-0.967882	0.4352
IDE(-16)	-0.002944	0.370595	-0.007945	0.9944
IDE(-17)	0.006733	0.344823	0.019526	0.9862
R-squared	0.957970	Mean dependent var		0.729756
Adjusted R-squared	0.600712	S.D. dependent var		0.883825
S.E. of regression	0.558482	Akaike info criterion		1.170227
Sum squared resid	0.623805	Schwarz criterion		2.066386
Log likelihood	6.297735	F-statistic		2.681455
Durbin-Watson stat	2.278718	Prob(F-statistic)		0.305791

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obs	IDE	TCH	INF	DETEX	TXPIB	GPIB	IMP	EP	OUIVERT
1970	0.966380	4.937000	4.940400	4.370000	8.862700	25.67400	29.15300	22.07300	51.22600
1971	-2.954400	4.644000	17.15200	14.29800	-11.33200	29.84700	27.66400	18.44300	46.10700
1972	0.295780	4.556000	-4.606500	15.13500	27.42400	29.93700	25.72700	20.45000	46.17700
1973	0.585190	4.185000	9.627600	14.38200	38.13200	31.11600	31.58000	25.50400	57.08400
1974	2.710100	3.997000	48.89700	10.14600	74.94900	27.67300	35.49000	38.74900	74.23900
1975	0.764880	3.949000	5.914000	10.64600	50.45300	33.83200	42.96600	33.68900	76.65500
1976	1.054800	4.164000	10.84100	13.87900	83.86800	29.38600	37.11900	33.05500	70.17400
1977	0.851140	4.147000	11.92700	14.59000	5.258600	31.03400	41.74000	30.58700	72.32700
1978	0.522810	3.966000	10.08500	14.35000	9.214800	28.79100	40.16900	25.53600	65.70500
1979	0.077309	3.853000	13.98800	15.65000	7.477800	26.12300	32.86600	31.14800	64.01400
1980	0.823470	3.838000	25.86200	11.89500	0.790600	27.04400	30.33800	34.33800	64.67600
1981	0.029764	4.316000	14.35400	8.943000	3.000000	30.18300	30.87800	34.58700	65.46500
1982	-0.118570	4.592000	1.939800	8.514000	6.400000	34.79400	28.99800	30.92500	59.92300
1983	0.000820	4.789000	6.804800	6.961000	5.400000	36.39100	25.80200	27.94200	53.74400
1984	0.001490	4.983000	8.433500	6.021000	5.600000	34.58900	27.46600	25.71000	53.17600
1985	0.000690	5.028000	4.972500	6.323000	3.700000	34.30700	26.74200	23.58400	50.32600
1986	0.008321	4.702000	2.405300	7.702000	0.400000	34.23700	23.17200	12.85500	36.02700
1987	0.005544	4.850000	8.842000	8.018000	-0.700000	33.32000	18.41200	14.27200	32.68400
1988	0.022001	5.915000	9.061000	8.375000	-1.000000	37.48500	22.60400	15.50800	38.11200
1989	0.021750	7.609000	16.01100	7.302000	4.400000	31.81500	28.51400	18.63900	47.15300
1990	0.000484	8.958000	30.26000	5.107000	0.800000	25.56500	24.93700	23.44400	48.38100
1991	0.025374	18.47300	53.78900	3.307000	-1.200000	25.16000	23.60000	29.11800	52.71800
1992	0.062496	21.83600	21.92600	2.547000	1.800000	40.11600	23.86900	25.32000	49.18900
1993	0.000000	23.34500	13.62400	2.216000	-2.100000	41.06200	23.13900	21.78400	44.92300
1994	0.000000	35.05900	29.07800	1.982000	-0.900000	38.06600	28.06600	23.42600	51.49200
1995	0.000000	47.74100	28.57700	1.574000	3.800000	37.87300	30.78000	27.11700	57.89700
1996	0.576370	54.75300	23.76600	1.309000	4.100000	28.19000	23.91700	30.20200	54.11900
1997	0.543140	57.71100	6.536600	1.123000	1.100000	30.39800	22.22000	30.63600	52.85600
1998	1.057900	58.74800	-4.187800	1.084000	5.100000	31.16300	24.47800	22.86700	47.34500
1999	1.065300	66.64100	10.37000	0.881000	3.200000	29.93100	24.31200	27.85900	52.17100
2000	0.819390	75.31600	23.99700	0.613000	2.400000	28.57000	21.27300	42.49600	63.76900
2001	2.180300	77.26900	2.616600	0.530000	2.600000	31.00400	21.73000	36.46200	58.19200
2002	1.904700	79.68600	1.044200	0.051000	4.100000	3.482000	25.64100	35.38700	61.02800
2003	0.952650	77.37600	8.213900	0.446000	6.800000	34.40400	24.28000	39.04800	63.32800
2004	1.040000	72.06600	3.600000	0.357000	5.200000	32.03400	29.94857	53.75728	83.70600
2005	1.100000	73.36300	1.640000	0.251000	5.300000	28.42100	28.52219	67.62543	96.14800
2006	3.217730	72.64600	2.530000	0.056000	2.700000	26.09500	25.02681	67.29962	92.32700

2005

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