

ANEXO 1

**FUNCIONES DE PRODUCCION
DE MAQUILADORA Y SUS RAMAS, CONSTRUCCION,
MANUFACTURA Y SUS RAMAS
(1993:01 A 1996:12)**

CUADRO # 15

Demanda derivada de trabajo de maquiladora III

Dependent Variable LIPOMQ3

Method: Least Squares

Date: 08/03/00 Time 12:09

Sample(adjusted): 1993:02 1996:12

Included observations: 47 after adjusting endpoints

Convergence achieved after 9 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.768946	0.265367	17.97111	0.0000
LIW3C3	-0.021328	0.025444	-0.838210	0.4067
LIVFMQ3	-0.007159	0.036564	-0.195791	0.8457
DUMMY	-0.020374	0.015009	-1.357480	0.1819
AR(1)	0.612282	0.134705	4.545354	0.0000
R-squared	0.571118	Mean dependent var	4.630182	
Adjusted R-squared	0.530272	S.D. dependent var	0.028097	
S.E. of regression	0.019257	Akaike info criterion	-4.961634	
Sum squared resid	0.015574	Schwarz criterion	-4.764810	
Log likelihood	121.5984	F-statistic	13.98228	
Durbin-Watson stat	1.764042	Prob(F-statistic)	0.000000	
Inverted AR Roots	61			

GRAFICA # 15

Correlograma de la demanda derivada de maquiladora III

Date: 08/03/00 Time 12:10

Sample: 1993:02 1996:12

Included observations: 47

Q-statistic

probabilities

adjusted for 1

ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
1	0.097	0.097	0.4737		
2	0.017	0.008	0.4891	0.484	
3	-0.163	-0.167	1.8847	0.390	
4	-0.084	-0.054	2.2641	0.519	
5	0.013	0.034	2.2739	0.686	
6	-0.186	-0.222	4.2108	0.519	
7	-0.050	-0.040	4.3571	0.628	
8	-0.310	-0.315	10.026	0.187	
9	-0.019	-0.043	10.048	0.262	
10	0.020	-0.035	10.074	0.345	
11	0.125	0.013	11.077	0.352	
12	0.116	0.006	11.964	0.366	
13	-0.046	-0.081	12.105	0.437	
14	0.227	0.170	15.703	0.266	
15	0.026	-0.004	15.752	0.329	
16	0.031	-0.078	15.821	0.394	
17	-0.035	0.054	15.914	0.459	
18	-0.198	-0.180	19.037	0.326	
19	-0.045	0.010	19.205	0.379	
20	-0.162	-0.092	21.453	0.312	

CUADRO # 16

Demanda derivada de trabajo: maquiladora IV

Dependent Variable: LIPOMQ4

Method: Least Squares

Date: 08/03/00 Time: 12.14

Sample(adjusted): 1993:02 1996:12

Included observations: 47 after adjusting endpoints

Convergence achieved after 10 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.760949	0.680362	6.997668	0.0000
LIW4C4	-0.000323	0.057948	-0.005571	0.9956
LIVFMQ4	0.035890	0.061163	0.586790	0.5605
DUMMY	0.014837	0.026613	0.557498	0.5801
AR(1)	0.971890	0.039727	24.46396	0.0000
R-squared	0.934098	Mean dependent var	4.697691	
Adjusted R-squared	0.927821	S D dependent var	0.089270	
S.E. of regression	0.023983	Akaike info criterion	-4.522633	
Sum squared resid	0.024158	Schwarz criterion	-4.325808	
Log likelihood	111.2819	F-statistic	148.8267	
Durbin-Watson stat	2.043588	Prob(F-statistic)	0.000000	
Inverted AR Roots	.97			

GRAFICA # 16

Correlograma dde demanda derivada de maquiladora IV

Date: 08/03/00 Time: 12:15

Sample: 1993:02 1996:12

Included observations: 47

Q-statistic
probabilities
adjusted for 1
ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
|	|	1 -0.036	-0.036	0.0661	
|	|	2 0.026	0.025	0.1002	0.752
|	|	3 -0.173	-0.171	1.6581	0.436
|	|	4 0.012	0.000	1.6654	0.645
|	|	5 0.029	0.038	1.7100	0.789
|	|	6 -0.106	-0.138	2.3407	0.800
|	|	7 0.032	0.027	2.3986	0.880
|	|	8 -0.021	-0.002	2.4240	0.933
|	|	9 -0.050	-0.102	2.5728	0.958
|	|	10 0.118	0.136	3.4378	0.944
|	|	11 -0.014	-0.004	3.4497	0.969
|	|	12 0.212	0.173	6.4130	0.844
|	|	13 -0.028	0.043	6.4665	0.891
|	|	14 -0.022	-0.044	6.5007	0.926
|	|	15 -0.078	-0.027	6.9378	0.937
|	|	16 -0.115	-0.099	7.9136	0.927
|	|	17 0.107	0.077	8.7911	0.922
|	|	18 -0.124	-0.102	10.011	0.903
|	|	19 -0.027	-0.078	10.070	0.930
|	|	20 -0.082	-0.060	10.646	0.935

CUADRO # 17

Demanda derivada de trabajo de maquiladora V

Dependent Variable: LIPOMQ5

Method: Least Squares

Date: 08/03/00 Time: 12:20

Sample(adjusted): 1993:03 1996:12

Included observations: 46 after adjusting endpoints

Convergence achieved after 10 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	3.490228	0.435137	8.020992	0.0000
LIW5C5	0.111032	0.045460	2.442437	0.0191
LIVFMQ5	0.149981	0.051323	2.922334	0.0057
DUMMY	-0.044410	0.024399	-1.820135	0.0762
AR(1)	0.998343	0.162942	6.126989	0.0000
AR(2)	-0.278980	0.137029	-2.035923	0.0484
R-squared	0.824920	Mean dependent var	4.683242	
Adjusted R-squared	0.803035	S.D. dependent var	0.059648	
S.E. of regression	0.026472	Akaike info criterion	-4.304322	
Sum squared resid	0.028031	Schwarz criterion	-4.065803	
Log likelihood	104.9994	F-statistic	37.69340	
Durbin-Watson stat	1.780117	Prob(F-statistic)	0.000000	
Inverted AR Roots	.50 -.17i	50+ .17i		

GRAFICA # 17

Correlograma de demanda de maquiladora 5

Date: 08/03/00 Time: 12:22

Sample: 1993:03 1996:12

Included observations: 46

Q-statistic

probabilities

adjusted for 2

ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
		1 0.045	0.045	0.1016	
		2 -0.009	-0.011	0.1059	
		3 0.051	0.052	0.2410	0.624
		4 0.002	-0.003	0.2412	0.886
*	*	5 0.151	0.153	1.4728	0.689
		6 -0.013	-0.031	1.4827	0.830
		7 -0.002	0.005	1.4830	0.915
		8 -0.046	-0.065	1.6047	0.952
		9 -0.044	-0.036	1.7216	0.974
		10 0.011	-0.011	1.7293	0.988
*	*	11 -0.090	-0.081	2.2390	0.987
		12 0.035	0.048	2.3174	0.993
**	**	13 0.242	0.261	6.2310	0.858
		14 -0.017	-0.019	6.2505	0.903
*	*	15 -0.111	-0.122	7.1275	0.895
**	**	16 -0.271	-0.305	12.524	0.564
*	*	17 -0.069	-0.093	12.885	0.611
		18 -0.005	-0.076	12.887	0.681
		19 -0.054	0.004	13.123	0.728
*	*	20 0.084	-0.026	13.715	0.747

CUADRO # 18

Demanda derivada de trabajo maquiladora VI

Dependent Variable: LIPOMQ6

Method: Least Squares

Date: 08/03/00 Time: 12:25

Sample(adjusted): 1993:02 1996:12

Included observations: 47 after adjusting endpoints

Convergence achieved after 11 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	3.399649	0.455380	7.465526	0.0000
LIW6C6	0.137282	0.044557	3.081025	0.0036
LIVFMQ6	0.160553	0.043776	3.667605	0.0007
DUMMY	-0.030315	0.024994	-1.212912	0.2319
AR(1)	0.966690	0.052300	18.48373	0.0000
R-squared	0.941908	Mean dependent var		4.688781
Adjusted R-squared	0.936375	S.D. dependent var		0.091803
S.E. of regression	0.023156	Akaike info criterion		-4.592810
Sum squared resid	0.022521	Schwarz criterion		-4.395986
Log likelihood	112.9310	F-statistic		170.2463
Durbin-Watson stat	1.783765	Prob(F-statistic)		0.000000
Inverted AR Roots	97			

GRAFICA # 18

Correlograma de demanda de maquiladora VI

Date 08/03/00 Time 12:26

Sample: 1993:02 1996:12

Included observations: 47

Q-statistic

probabilities

adjusted for 1

ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
1	0.080	0.080	0.3214		
2	-0.040	-0.047	0.4032	0.525	
3	-0.048	-0.041	0.5239	0.770	
4	-0.017	-0.012	0.5394	0.910	
5	0.061	0.060	0.7428	0.946	
6	-0.041	-0.055	0.8383	0.975	
7	-0.161	-0.152	2.3329	0.887	
8	-0.130	-0.108	3.3358	0.852	
9	0.137	0.148	4.4667	0.813	
10	0.096	0.054	5.0389	0.831	
11	0.077	0.067	5.4210	0.861	
12	-0.157	0.156	7.0420	0.796	
13	-0.003	0.038	7.0426	0.855	
14	0.062	0.016	7.3134	0.885	
15	0.035	-0.002	7.4028	0.918	
16	-0.030	-0.020	7.4704	0.943	
17	-0.126	-0.050	8.6868	0.926	
18	0.016	0.042	8.7078	0.949	
19	-0.006	-0.065	8.7111	0.966	
20	-0.017	-0.079	8.7357	0.978	

CONDOR 1993

Demanda de trabajo de maquiladora VII

Dependent Variable: LIPOMQ7

Method Least Squares

Date: 08/03/00 Time: 12:29

Sample(adjusted) 1993:02 1996:12

Included observations: 47 after adjusting endpoints

Convergence not achieved after 500 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob
C	2561.340	12396319	0.000207	0.9998
LIW7C7	-0.038854	0.029778	-1.304806	0.1991
LIVFMQ7	0.009816	0.037787	0.259781	0.7963
DUMMY	-0.001245	0.023516	-0.052954	0.9580
AR(1)	0.999996	0.019839	50.40680	0.0000
R-squared	0.985964	Mean dependent var	4.792118	
Adjusted R-squared	0.984627	S.D. dependent var	0.171785	
S.E. of regression	0.021299	Akaike info criterion	-4.760018	
Sum squared resid	0.019053	Schwarz criterion	-4.563194	
Log likelihood	116.8604	F-statistic	737.5772	
Durbin-Watson stat	2.265339	Prob(F-statistic)	0.000000	
Inverted AR Roots	1.00			

GRAFICA # 19

Correlograma de demanda de maquiladora VII

Date: 08/03/00 Time: 12:30

Sample: 1993:02 1996:12

Included observations: 47

Q-statistic

probabilities

adjusted for 1

ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
1		-0.137	0.137	0.9344	
2		0.035	0.017	0.9988	0.318
3		0.008	0.015	1.0021	0.606
4		-0.037	-0.035	1.0735	0.783
5		-0.286	-0.302	5.5625	0.234
6		0.281	0.227	9.9997	0.075
7		0.025	0.117	10.035	0.123
8		-0.055	-0.071	10.211	0.177
9		-0.008	-0.081	10.216	0.250
10		0.166	0.146	11.933	0.217
11		-0.253	-0.082	16.040	0.098
12		0.049	-0.057	16.200	0.134
13		0.176	0.161	18.307	0.107
14		-0.238	-0.217	22.266	0.051
15		-0.030	-0.035	22.329	0.072
16		0.187	0.110	24.940	0.051
17		-0.097	0.011	25.658	0.059
18		-0.067	0.057	26.014	0.074
19		-0.040	-0.292	26.145	0.096
20		0.029	0.149	26.218	0.120

CUADRO # 20

Demanda derivada de trabajo de maquiladora VIII

Dependent Variable LIPOMQ8

Method Least Squares

Date 08/03/00 Time 12:34

Sample(adjusted): 1993:02 1996:12

Included observations: 47 after adjusting endpoints

Convergence not achieved after 500 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-2920.310	48409539	-6.03E-05	1.0000
LIW8C8	-0.056807	0.026477	-2.145483	0.0377
LIVFMQ8	0.038145	0.032505	1.173516	0.2472
DUMMY	0.019793	0.015981	1.238551	0.2224
AR(1)	1.000002	0.029783	33.57647	0.0000
R-squared	0.974435	Mean dependent var		4.723618
Adjusted R-squared	0.972001	S.D. dependent var		0.084446
S.E. of regression	0.014130	Akaike info criterion		-5.580697
Sum squared resid	0.008386	Schwarz criterion		-5.383872
Log likelihood	136.1464	F-statistic		400.2240
Durbin Watson stat	1.918581	Prob(F-statistic)		0.000000
Inverted AR Roots	1.00			
Estimated AR process is nonstationary				

GRAFICA # 20

Correlograma de la demanda de maquiladora VIII

Date 08/03/00 Time 12:35

Sample 1993:02 1996:12

Included observations: 47

Q-statistic

probabilities

adjusted for 1

ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
|	|	1 0.030	-0.030	0.0448	
|	|	2 0.040	0.039	0.1251	0.724
|	|	3 0.117	0.120	0.8417	0.656
|	|	4 0.077	-0.072	1.1573	0.763
|	|	5 0.097	0.085	1.6700	0.796
|	|	6 -0.177	-0.186	3.4395	0.633
|	|	7 -0.105	-0.105	4.0726	0.667
|	|	8 0.077	-0.103	4.4263	0.730
|	|	9 0.025	0.091	4.4645	0.813
|	|	10 -0.060	-0.065	4.6917	0.860
|	|	11 -0.011	0.031	4.6993	0.910
|	**|	12 -0.146	0.203	6.0931	0.867
|	|	13 -0.030	-0.034	6.1525	0.908
|	|	14 -0.020	-0.100	6.1816	0.939
**|	**|	15 -0.276	-0.243	11.656	0.634
|	|	16 -0.025	-0.103	11.704	0.701
|	|	17 -0.045	-0.018	11.860	0.754
|	|	18 0.063	0.048	12.177	0.789
|	|	19 0.088	0.039	12.813	0.803
|	**|	20 0.150	-0.210	14.738	0.739

GRAFICA # 21

Demanda derivada de trabajo de maquiladora IX

Dependent Variable: LIPO9

Method Least Squares

Date 08/03/00 Time 12 38

Sample(adjusted): 1993:02 1996:12

Included observations: 47 after adjusting endpoints

Convergence not achieved after 500 iterations

Variable	Coefficient	Std Error	t-Statistic	Prob.
C	2530.758	8041241	0.000315	0.9998
LIW9C9	-0.031153	0.024514	-1.270843	0.2108
LIVF9	0.015338	0.029231	0.524705	0.6025
DUMMY	0.031853	0.015597	2.042281	0.0474
AR(1)	0.999996	0.013897	71.95907	0.0000
R-squared	0.991794	Mean dependent var		4.792213
Adjusted R-squared	0.991013	S D dependent var		0.147153
S E. of regression	0.013950	Akaike info criterion		-5.606336
Sum squared resid	0.008174	Schwarz criterion		-5.409511
Log likelihood	136.7489	F-statistic		1269.066
Durbin-Watson stat	1.863512	Prob(F-statistic)		0.000000
Inverted AR Roots	1.00			

GRAFICA # 21

Correlograma de la demanda de maquiladora 9

Date: 08/03/00 Time: 12 39

Sample: 1993:02 1996:12

Included observations: 47

Q-statistic

probabilities

adjusted for 1

ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
		1 0.062	0.062	0.1953	
|.	|.	2 -0.018	-0.022	0.2114	0.646
|.	|.	3 -0.025	-0.023	0.2445	0.885
|.	|.	4 -0.022	-0.020	0.2706	0.965
|*	|*	5 0.160	0.162	1.6656	0.797
**|	**|	6 -0.258	-0.289	5.3933	0.370
|.	|.	7 -0.076	-0.026	5.7273	0.454
|.	|.	8 -0.021	-0.016	5.7525	0.569
**|	**|	9 0.311	-0.353	11.615	0.169
|.	|.	10 0.158	-0.182	13.168	0.155
|.	|.	11 -0.039	0.072	13.266	0.209
**|	**|	12 0.226	0.157	16.614	0.120
|.	|.	13 0.114	0.033	17.494	0.132
|.	|.	14 -0.090	0.012	18.062	0.155
|.	|.	15 -0.042	-0.158	18.189	0.198
|.	**|	16 -0.023	-0.192	18.228	0.251
|.	|.	17 0.158	0.093	20.140	0.214
|.	|.	18 -0.009	-0.070	20.145	0.267
|.	|.	19 0.020	-0.011	20.179	0.323
|.	|.	20 -0.088	0.100	20.839	0.346

CUADRO # 22

Demanda derivada de trabajo de maquiladora X

Dependent Variable: LIPOMQ10

Method: Least Squares

Date: 08/03/00 Time: 12:46

Sample(adjusted): 1993:02 1996:12

Included observations: 47 after adjusting endpoints

Convergence achieved after 10 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	2.832254	1.105050	2.563010	0.0140
LIW10C10	-0.005135	0.116411	-0.044108	0.9650
LIVF10	0.382845	0.142447	2.687627	0.0103
DUMMY	0.030839	0.051385	0.600155	0.5516
AR(1)	0.317799	0.168296	1.888329	0.0659
R-squared	0.522921	Mean dependent var	4.680627	
Adjusted R-squared	0.477485	S.D. dependent var	0.133397	
S.E. of regression	0.096426	Akaike info criterion	-1.739785	
Sum squared resid	0.390518	Schwarz criterion	-1.542961	
Log likelihood	45.88494	F-statistic	11.50894	
Durbin-Watson stat	1.998054	Prob(F-statistic)	0.000002	
Inverted AR Roots	.32			

GRAFICA # 22

Correlograma de la demanda de maquiladora X

Date: 08/03/00 Time: 12:47

Sample: 1993:02 1996:12

Included observations: 47

Q-statistic

probabilities

adjusted for 1

ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
1		0.003	-0.003	0.0005	
2		-0.028	-0.028	0.0407	0.840
3		0.155	0.155	1.2961	0.523
4		0.076	0.078	1.6085	0.657
5		0.026	0.036	1.6442	0.801
6		0.004	-0.016	1.6451	0.896
7		-0.121	-0.148	2.4881	0.870
8		-0.006	-0.027	2.4905	0.928
9		-0.068	-0.083	2.7686	0.948
10		0.072	0.119	3.0948	0.960
11		0.043	0.077	3.2145	0.976
12		-0.150	-0.115	4.7014	0.945
13		0.224	0.225	8.1008	0.777
14		0.040	-0.024	8.2099	0.830
15		-0.019	0.018	8.2365	0.877
16		-0.209	-0.321	11.490	0.717
17		-0.080	-0.120	11.984	0.745
18		-0.088	-0.137	12.605	0.762
19		-0.147	-0.127	14.385	0.704
20		0.119	0.030	15.597	0.684

CUADRO # 23

Demanda derivada de trabajo de maquiladora XI

Dependent Variable: LIPO11

Method: Least Squares

Date: 08/03/00 Time: 12:52

Sample (adjusted): 1993:03 1996:12

Included observations: 46 after adjusting endpoints

Convergence achieved after 44 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob
C	3.054786	0.893164	3.420187	0.0015
LIW11C11	0.068774	0.038888	1.768503	0.0846
LIVF11	0.178560	0.051346	3.477589	0.0012
DUMMY	0.019529	0.021260	0.918583	0.3638
AR(1)	0.532481	0.154040	3.456776	0.0013
AR(2)	0.488584	0.156955	3.112885	0.0034
R-squared	0.974639	Mean dependent var	4.774121	
Adjusted R-squared	0.971469	S.D. dependent var	0.122183	
S.E. of regression	0.020638	Akaike info criterion	-4.802245	
Sum squared resid	0.017037	Schwarz criterion	-4.563726	
Log likelihood	116.4516	F-statistic	307.4424	
Durbin-Watson stat	2.124767	Prob(F-statistic)	0.000000	
Inverted AR Roots	1.01	- .48		
Estimated AR process is nonstationary				

GRAFICA # 23 Correlograma de la demanda de maquiladora XI

Date: 08/03/00 Time: 12:53

Sample: 1993:03 1996:12

Included observations: 46

Q-statistic

probabilities

adjusted for 2

ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
*)	*)	1 -0.076	-0.076	0.2866	
.)	.)	2 -0.040	-0.046	0.3660	
*)	*)	3 0.116	0.110	1.0584	0.304
*)	*)	4 -0.083	-0.069	1.4201	0.492
*)	*)	5 -0.142	-0.147	2.5026	0.475
.)	.)	6 0.059	0.021	2.6968	0.610
.)	.)	7 0.011	0.026	2.7035	0.746
**)	**)	8 -0.286	-0.270	7.4640	0.280
*)	*)	9 0.077	0.008	7.8139	0.349
.)	.)	10 -0.030	0.056	7.8704	0.446
*)	*)	11 -0.069	-0.015	8.1666	0.517
.)	.)	12 -0.015	-0.088	8.1806	0.611
*)	*)	13 0.115	0.056	9.0692	0.616
.)	.)	14 -0.046	-0.013	9.2175	0.684
*)	*)	15 0.084	-0.107	9.7225	0.716
.)	.)	16 0.001	-0.137	9.7225	0.782
*)	*)	17 0.075	0.116	10.156	0.810
.)	.)	18 0.010	0.026	10.164	0.858
.)	.)	19 0.032	-0.009	10.250	0.893
.)	*)	20 0.004	-0.081	10.251	0.923

CAUDRO 24

Demanda Derivada de trabajo de maquiladora XII

Dependent Variable LIPO12

Method: Least Squares

Date: 08/03/00 Time: 12:59

Sample(adjusted): 1993:02 1996:12

Included observations: 47 after adjusting endpoints

Convergence achieved after 16 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	5.011237	12.05543	0.415683	0.6798
LW12C12	0.024064	0.030990	0.776488	0.4418
LIVFMQ12	0.095129	0.034758	2.736882	0.0091
DUMMY	0.017168	0.022718	0.755711	0.4540
AR(1)	0.996287	0.045913	21.69965	0.0000
R-squared	0.936870	Mean dependent var		4.608475
Adjusted R-squared	0.930857	S.D. dependent var		0.081595
S.E. of regression	0.021455	Akaike info criterion		-4.745393
Sum squared resid	0.019334	Schwarz criterion		-4.548569
Log likelihood	116.5167	F-statistic		155.8224
Durbin-Watson stat	1.487734	Prob(F-statistic)		0.000000
Inverted AR Roots	1.00			

GRAFICA # 24

Correlograma de la demanda de maquiladora XII

Date: 08/03/00 Time: 13:00

Sample: 1993:02 1996:12

Included observations: 47

Q-statistic

probabilities

adjusted for 1

ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
.**	.**	1	0.227	0.227	2.5710	
.|. .	.|. .	2	-0.016	-0.071	2.5836	0.108
.|. .	.|. .	3	0.000	0.021	2.5836	0.275
.|. .	.|. .	4	-0.056	-0.066	2.7510	0.432
.|. .	.|. .	5	0.151	0.192	4.0068	0.405
.|. .	.|. .	6	0.170	0.089	5.6263	0.344
.|. .	.|. .	7	-0.153	-0.219	6.9663	0.324
.|. .	.|. .	8	-0.117	-0.033	7.7810	0.352
.|. .	.|. .	9	-0.014	0.038	7.7936	0.454
.|. .	.|. .	10	0.085	0.095	8.2387	0.510
.|. .	.|. .	11	0.183	0.082	10.390	0.407
.|. .	.|. .	12	0.021	-0.031	10.418	0.493
.|. .	.|. .	13	0.125	-0.054	11.480	0.488
.|. .	.|. .	14	0.042	-0.003	11.602	0.560
.|. .	.|. .	15	-0.039	-0.071	11.713	0.629
.|. .	.|. .	16	-0.075	-0.132	12.134	0.669
.	17	-0.271	-0.305	17.766	0.338
.	18	-0.217	-0.024	21.517	0.204
.	19	-0.056	0.061	21.777	0.242
.	20	0.064	0.068	22.125	0.278

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ANEXO

REPORTE DE RESULTADOS DE LOS PROCEDIMIENTOS APLICADOS

I. PRUEBAS DE HIPOTESIS

En los modelos estimados se consideraron las siguientes pruebas de hipótesis

1. ARCH

$$\begin{aligned} H_0: \beta_1 = \beta_2 = \beta_3 \dots = \beta_p = 0 & \quad \chi^2 \text{ grados de libertad} = \# \text{ de rezagos} \\ H_a: \dots \neq 0 \end{aligned}$$

no rechazo H_0 si χ^2 calculada $\leq \chi^2$ critica
rechazo H_0 si χ^2 calculada $> \chi^2$ critica

En los casos que aparece el efecto Arch la información no sufrió modificaciones, por tanto los resultados deben de considerarse con precaución.

2. Autocorrelacion:

Además del Durbin-Watson (dw) se uso la prueba LM la cual nos permite identificar una correlación de orden mayor que 1¹:

LM

$$\begin{aligned} H_0: \rho_1 = \rho_2 = \rho_3 \dots = \rho_p = 0 & \quad P*F - \chi^2 \\ H_a: \dots \neq 0 \end{aligned}$$

no rechazo H_0 si χ^2 calculada $\leq \chi^2$ critica
rechazo H_0 si χ^2 calculada $> \chi^2$ critica

Considerando los criterios de p-value, se definió:

rechazo H_0 si p-value $< \alpha$
no rechazo H_0 si p-value $> \alpha$ con $\alpha = 0.05 = 5\%$

La prueba de normalidad de Jarque-Bera se omitió debido a que necesita un gran número de observaciones (más de 300) para que sus resultados sean consistentes, de esta manera los resultados de los paquetes econométricos se deben tomar con bastante cuidado ya que por lo regular indicara la existencia de normalidad en el comportamiento de las variables, si es que no se cumple con un número de observaciones relevantes².

¹ VIR G.S.MADDALA, INTRODUCCION A LA ECONOMIA, 2ª EDICION, PRENTICE HALL, MEXICO, 1996, PAG 288.

² De acuerdo con los estudios presentados por Clara Martha Adalid de la Universidad Autónoma Metropolitana-- Xochimilco y Carlos Uruza del Colegio de México, en el VII Coloquio Nacional de Economía Matemática y Econometría, UNAM, Facultad de Economía, del 6 al 10 de Octubre de 1997

En los cuadros se reportan las regresiones finales, se reviso la autocorrelacion con los estadisticos de dw,ln y los correlogramas a fin de definir el orden de las autocorrelaciones, si es que se presentaban.

Solo en los casos que no existió autocorrelacion se presenta el dw, los demas presentan los ordenes del ar(p) empleado donde p = orden de autocorrelacion.

II. PROGRAMA DE COMPUTO.

El programa empleado fue el EVIEWS version 3.0, 1997, Quantitative Micro Software, Irvine, California.

III. FUENTES DE INFORMACION.

La información empleada proviene de la colección de estadísticas económicas del Instituto Nacional de Estadística Geografía e Informática (INEGI), correspondiente a los títulos de : Construcción, maquiladora de exportación, actividad industrial y actividad manufacturera, varios números.

IV. GENERACIÓN DE INDICES

Previo a la estimación de los modelos de regresión, se estimaron los logaritmos de los índices básicos de productividad laboral y remuneraciones reales promedio por persona ocupada, teniendo como referencia común 1993=100.

En el caso de la actividad industrial y manufacturera, la información se presenta directamente como índices, solo se realizo la división de:

$$\text{productividad laboral} = (\text{índice de volumen} \div \text{índice de personal ocupado}) * 100$$

En el caso de la actividad maquiladora de exportacion, para obtener los índices correspondientes se aplicó el siguiente procedimiento.

1. valor de producción nominal = valor agregado + insumos importados
2. Generación del índice del valor de producción nominal, tomando como base la división de cada uno de los valores mensuales entre el valor del promedio mensual del periodo de Enero Diciembre de 1993, multiplicando el resultado por 100, generando de esta manera la base de 1993 = 100.
3. Obtener el índice del valor de producción en terminos reales = (índice de valor de producción ÷ índice de precios al consumidor con base 1993=100)*100

4. Al resultado anterior se calcula la base de 1993=100 y nos proporciona el índice de producción en términos reales como la variable instrumental o más aproximada (proxy) al índice de volumen físico.
5. En el caso de las remuneraciones reales promedio por persona, se dividen las remuneraciones totales entre el personal ocupado y el resultado se divide entre el índice de precios al consumidor, multiplicándose por 100. con la información obtenida se calcula el índice base 1993= 100.
6. En el caso de la construcción se aplicaron los procedimientos descritos a las variables correspondientes.

CUADRO 1

ELASTICIDADES DE SUSTITUCION EN MANUFACTURA, MAQUILADORAS Y CONSTRUCCION TOTALI S¹

PARAMETROS / PRUEBAS	MANUFACTURA	MAQUILADORAS	CONSTRUCCION
No DE OBS.	46	48	47
CONSTANTE	5.2377229	4.6087777	--0.4887401
T CALCULADA	15.701037	4.4473063	--0.555752
BETA	--0.1115213	0.0674651	1.1676439
T CALCULADA	--1.5030683	0.296314	5.8678432
DUMMY	--0.8467207	--1.6087843	0.2267846
T CALCULADA	-1.881053	--1.0371083	0.1486961
DUMMY*LWR	0.1801607	0.2873315	--0.0314136
T CALCULADA	1.8629125	0.8504544	--0.0970375
AR (1)			0.9296783
T CALCULADA			16.339763
AR (2)	0.7358689		
T CALCULADA	7.0521954		
R cuadrada	0.742068	0.80347	0.778492
AUTOCORRELACION			
DW		1.787927	
HETEROSCEDASTICIDAD			
ARCH (1) (F)(P)	0.57275 / 0.4533	0.57854 / 0.4509	0.86308 / 0.3579
ARCH(3) (F)(P)	0.99648 / 0.4046	0.83332 / 0.4833	1.25060 / 0.287

¹ Los números entre parentesis indican los rezagos en meses, las letras F indican el estadístico F, las p muestran la magnitud del p-value

CUADRO 2
ELASTICIDADES DE SUSTITUCION EN MANUFACTURA POR DIVISIONES⁴

PARAMETROS / PRUEBAS	MANUFACTURA I	MANUFACTURA II	MANUFACTURA III
No DE OBS.	48	47	47
CONSTANTE	4.5519303	6.1804498	2.642765
T CALCULADA	15.764256	11.363398	3.4518252
BETA	0.0334176	-0.3350966	0.4619041
T CALCULADA	0.5161596	-2.6713462	2.6472151
DUMMY	-1.3795179	-0.384429	-2.2080923
T CALCULADA	-3.4109589	-0.5261049	-2.0319807
DUMMY*LWR	0.2804482	0.0867434	0.4433718
T CALCULADA	3.1482213	0.532647	1.8472927
AR (1)		0.4053397	0.3984398
T CALCULADA		3.0213532	2.6980446
R cuadrado	0.688543	0.519243	0.409263
DW	1.69		
HETEROSCEDASTICIDAD			
ARCH (1) (F)/(P)	0.03007 / 0.8631	0.36810 / 0.5472	0.50934 / 0.4792
ARCH (3) (F)/(P)	0.53836 / 0.6587	0.38377 / 0.7652	0.29246 / 0.8306

PARAMETROS / PRUEBAS	MANUFACTURA IV	MANUFACTURA V	MANUFACTURA VI
No DE OBS.	47	46	46
CONSTANTE	3.7808151	5.735909	4.8611206
T CALCULADA	5.7464236	16.660412	10.272542
BETA	0.1972189	-0.2199498	0.0005835
T CALCULADA	1.3374895	-2.8994928	0.0056078
DUMMY	1.3046045	-0.6831966	0.1168331
T CALCULADA	1.6410559	-1.5028871	0.1778056
DUMMY*LWR	-0.291252	0.1345883	-0.0306805
T CALCULADA	-1.6699098	1.3699541	-0.2186308
AR (1)	0.543764		0.3490804
T CALCULADA	4.2799622		2.6500405
AR (2)		0.4896159	0.5594904
T CALCULADA		3.6733293	4.2572884
R cuadrado	0.313068	0.752539	0.815722
HETEROSCEDASTICIDAD			
ARCH (1) (F)/(P)	0.17154 / 0.6808	0.84816 / 0.3622	0.03275 / 0.8572
ARCH (3) (F)/(P)	0.15196 / 0.9278	1.65390 / 0.1927	0.04772 / 0.9860

PARAMETROS / PRUEBAS	MANUFACTURA VII	MANUFACTURA VIII	MANUFACTURA IX
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⁴ I productos alimenticios, bebidas y tabaco, II textiles, prendas de vestir e industria del cuero, III industria de la madera y productos de madera, IV papel, productos de papel, imprenta y editoriales, V sustancias químicas, derivados del petróleo, productos de caucho y plástico, VI productos de minerales no metálicos, VII industrias metálicas básicas, VIII productos metálicos, maquinaria y equipo, IX otras industrias manufactureras

No DE OBS	46	46	47
CONSTANTE	5.5931565	5.8777449	5.6190678
T CALCULADA	7.8071942	10.105644	8.7231312
BETA	-0.1210844	-0.2473469	-0.2325292
T CALCULADA	-0.8173581	-1.9042764	-1.5910781
DUMMY	-0.8945949	-1.1960683	-3.5249313
T CALCULADA	-1.0225863	-1.4986966	-3.5349623
DUMMY*LWR	0.1968718	0.2583337	0.7816627
T CALCULADA	1.049566	1.5042514	3.5309963
AR (1)	0.434411	0.3972465	-0.5197528
T CALCULADA	3.0914522	2.6125893	-3.915387
AR (2)	0.5108503	0.3613515	
T CALCULADA	3.6619315	2.4100832	
R cuadrado	0.890517	0.68672	0.265605
HETEROSCEDASTICIDAD			
ARCH (1) (F)/(P)	0.00849 / 0.9270	0.03345 / 0.8557	0.00156 / 0.9686
ARCH (3) (F)/(P)	1.66115 / 0.1912	1.47526 / 0.2362	0.56508 / 0.6412

CUADRO 3

ELASTICIDADES DE SUSTITUCION EN MAQUILADORAS POR GRUPOS⁵

PARAMETROS / PRUEBAS	MAQUILADORA I	MAQUILADORA II	MAQUILADORA III
No DE OBS.	47	48	47
CONSTANTE	0.7590958	2.940842	3.8572919
T CALCULADA	0.8481546	3.398651	3.7899735
BETA	0.8732729	0.4286667	0.2465258
T CALCULADA	4.5088533	2.2131581	1.0945419
DUMMY	-2.3315777	-0.2052236	0.5009086
T CALCULADA	-1.9630259	-0.1275658	0.3601412
DUMMY*LWR	0.4563812	-0.0208046	-0.1743587
T CALCULADA	1.808055	-0.0591213	-0.5744445
AR (1)	0.5846187		0.3965679
T CALCULADA	4.3393868		2.7867581
R cuadrado	0.828396	0.720738	0.694507
HETEROSCEDASTICIDAD			
ARCH (1) (F)/(P)	6.32575 / 0.0156	0.02527 / 0.8744	0.55101 / 0.4618
ARCH (3) (F)/(P)	0.766 / 0.5199	0.22802 / 0.8764	0.51419 / 0.6748

⁵ I seleccion, preparacion, empaque y enlatado de alimentos, II ensamble de prendas de vestir y otros productos textiles, III fabricacion de calzado e industria del cuero, IV ensamble de muebles, sus accesorios y otros productos de madera y metal, V productos quimicos, VI construccion, reconstruccion y ensamble de equipo de transporte, VII ensamble y reparacion de herramienta, equipo y sus partes, VIII ensamble de maquinaria, equipo, aparatos y articulos electricos, IX materiales y accesorios electricos y electronicos,

X ensamble de juguetes y articulos deportivos, XI otras industrias manufactureras, XII servicios

PARAMETROS PRUEBAS	MAQUILADORA IV	MAQUILADORA V	MAQUILADORA VI
No DE OBS.	48	48	40
CONSTANTE	2.2792857	5.0074036	3.2426426
T CALCULADA	0.9990868	2.1868037	3.0314725
BETA	0.5553117	-0.0397569	0.3416873
T CALCULADA	1.118846	-0.0806274	1.4659457
DUMMY	0.4789345	-0.5808005	1.295017
T CALCULADA	0.1669305	-0.2110342	0.6071937
DUMMY*LWR	-0.1507379	0.0766981	-0.3228881
T CALCULADA	-0.2425898	0.1293528	-0.6991949
AR (4)			-0.4461792
T CALCULADA			-2.9870402
AR (8)			-0.4857438
T CALCULADA			-3.1176240
R cuadrado	0.362556	0.487142	0.634409
HETEROSCEDASTICIDAD			
ARCH (1) (F)/(P)	0.92293 / 0.3418	5.53731 / 0.0230	0.16016 / 0.6913
ARCH (3) (F)/(P)	0.03530 / 0.991	0.59686 / 0.6207	0.20443 / 0.8926

PARAMETROS / PRUEBAS	MAQUILADORA VII	MAQUILADORA VIII	MAQUILADORA IX
No DE OBS.	48	47	47
CONSTANTE	4.2447198	4.6908951	5.9960639
T CALCULADA	4.1447564	3.336435	3.8528125
BETA	0.1454607	0.0716068	-0.2225929
T CALCULADA	0.6417883	0.2338746	-0.6520914
DUMMY	-0.8833461	0.4246189	-1.7039426
T CALCULADA	-0.6508305	0.231596	-0.8047682
DUMMY*LWR	0.1325632	-0.165788	0.3019708
T CALCULADA	0.4474975	-0.4177492	0.6550892
AR (1)		0.5349297	0.3818355
T CALCULADA		4.2026595	2.7076302
R cuadrado	0.595956	0.847918	0.744382
HETEROSCEDASTICIDAD			
ARCH (1) (F)/(P)	0.01474 / 0.9039	0.57049 / 0.4541	0.56974 / 0.4544
ARCH (3) (F)/(P)	0.01215 / 0.9981	0.35542 / 0.7855	0.87544 / 0.4619

PARAMETROS / PRUEBAS	MAQUILADORA X	MAQUILADORA XI	MAQUILADORA XII
No DE OBS.	48	48	48
CONSTANTE	3.7581577	7.3837814	5.4707465
T CALCULADA	5.1322571	5.38909047	11.796002
BETA	0.2459904	-0.5269257	-0.1480444
T CALCULADA	1.5327669	-1.7564897	-1.3194858
DUMMY	-0.4882019	-3.05180582	-2.1188602
T CALCULADA	-0.4564389	-1.9361741	-1.5887663

DUMMY*LWR	0.0532254	0.6957331	0.4219258
T CALCULADA	0.2294292	1.7567598	1.4257441
R cuadrado	0.507999	0.801012	0.698535
HETEROSCEDASTICIDAD			
ARCH (1) (F) (P)	0.2668 / 0.8710		1.65756 / 0.2045
ARCH (3) (F) (P)	0.17752 / 0.9110		0.65802 / 0.5826

CUADRO 4
CAUSALIDAD DE GRANGER CONSIDERANDO UNO Y TRES REZAGOS EN MANUFACTURA, MAQUILADORA Y CONSTRUCCION TOTALES⁶

PRUEBA		MANUFACTURA		MAQUILADORA		CONSTRUCCION	
		F	P	F	P	F	P
Ho1	LPME NO ES CAUSADA POR LWR (1)	4.011795	0.0514	1.048853	0.3114	0.125883	0.7244
Ho2	LWR NO ES CAUSADA POR LPME (1)	3.445578	0.0701	4.636294	0.0368	0.909972	0.3453
Ho1	LPME NO ES CAUSADA POR LWR (3)	6.38898	0.0013	1.664379	0.1909	1.773995	0.1685
Ho2	LWR NO ES CAUSADA POR LPME (3)	2.686967	0.0601	2.147566	0.1103	0.124593	0.945

CUADRO 5
CAUSALIDAD DE GRANGER CONSIDERANDO UNO Y TRES REZAGOS EN MANUFACTURA POR DIVISIONES

PRUEBA		MANUFACTURA I		MANUFACTURA II		MANUFACTURA III	
		F	P	F	P	F	P
Ho1	LPME NO ES CAUSADA POR LWR (1)	11.43443	0.0015	10.45885	0.0023	4.921285	0.0317
Ho2	LWR NO ES CAUSADA POR LPME (1)	7.890825	0.0074	0.900215	0.3479	6.092065	0.0175
Ho1	LPME NO ES CAUSADA POR LWR (3)	4.975953	0.0052	3.936161	0.0154	2.330534	0.0897

⁶ LOS NUMEROS ENTRE PARENTESIS INDICAN LOS REZAGOS EN MESES

Ho2	LWR NO ES CAUSADA POR LPME (3)	2.68399	0.0603	4.434419	0.0091	2.655493	0.0622
-----	--------------------------------	---------	--------	----------	--------	----------	--------

PRUEBA		MANUFACTURA IV		MANUFACTURA V		MANUFACTURA VI	
GRANGER		F	P	F	P	F	P
Ho1	LPME NO ES CAUSADA POR LWR (1)	1.641516	0.2068	0.114824	0.7363	0.02346	0.879
Ho2	LWR NO ES CAUSADA POR-LPME.X (1)	0.039438	0.8435	1.953396	0.1692	7.045913	0.011
Ho1	LPME NO ES CAUSADA POR LWR (3)	1.013778	0.3973	1.194926	0.3247	3.55877	0.023
Ho2	LWR NO ES CAUSADA POR LPME (3)	0.132284	0.9403	3.582365	0.0224	2.877012	0.0486

PRUEBA		MANUFACTURA VII		MANUFACTURA VIII		MANUFACTURA IX	
GRANGER		F	P	F	P	F	P
Ho1	LPME NO ES CAUSADA POR LWR (1)	1.311682	0.2583	2.226739	0.1428	4.594066	0.0377
Ho2	LWR NO ES CAUSADA POR-LPME.X (1)	13.08639	0.0008	2.237741	0.1418	0.876871	0.3542
Ho1	LPME NO ES CAUSADA POR LWR (3)	2.305932	0.0922	1.738647	0.1754	2.717229	0.0581
Ho2	LWR NO ES CAUSADA POR LPME (3)	3.951893	0.0151	1.422342	0.2513	3.126977	0.0369

CUADRO 6

CAUSALIDAD DE GRANGER CONSIDERANDO UNO Y TRES REZAGOS EN MAQUILADORAS POR GRUPOS

PRUEBA		MAQUILADORA I		MAQUILADORA II		MAQUILADORA III	
GRANGER		F	P	F	P	F	P
Ho1	LPME NO ES CAUSADA POR LWR (1)	0.196612	0.6596	3.431856	0.0707	3.51352	0.0675
Ho2	LWR NO ES CAUSADA POR-LPME.X (1)	0.797846	0.3766	6.831003	0.0122	2.546707	0.1177

Ho1	LPMI NO ES CAUSADA POR LWR (3)	2.234379	0.0999	7.614717	0.0004	2.350152	0.0877
Ho2	LWR NO ES CAUSADA POR LPMI (3)	3.243269	0.0325	1.61084	0.2029	3.143167	0.0362

PRUEBA		MAQUILADORA IV		MAQUILADORA V		MAQUILADORA VI	
GRANGER		F	P	F	P	F	P
Ho1	LPMI NO ES CAUSADA POR LWR (1)	0.031277	0.8604	4.669393	0.0362	2.174381	0.1474
Ho2	LWR NO ES CAUSADA POR-LPMI X (1)	0.149087	0.7013	0.110726	0.7409	1.774288	0.1897
Ho1	LPMI NO ES CAUSADA POR LWR (3)	3.544570	0.0234	1.858972	0.153	2.205094	0.1033
Ho2	LWR NO ES CAUSADA POR LPMI (3)	3.285727	0.031	0.28143	0.8385	1.074721	0.3713

PRUEBA		MAQUILADORA VII		MAQUILADORA VIII		MAQUILADORA IX	
GRANGER		F	P	F	P	F	P
Ho1	LPMI NO ES CAUSADA POR LWR (1)	0.281465	0.5984	0.065552	0.7991	0.156589	0.6942
Ho2	LWR NO ES CAUSADA POR-LPMI X (1)	2.071725	0.1571	2.93444	0.0937	3.551236	0.0661
Ho1	LPMI NO ES CAUSADA POR LWR (3)	2.028135	0.1263	0.740826	0.5343	0.908385	0.446
Ho2	LWR NO ES CAUSADA POR LPMI (3)	1.454605	0.2422	0.527981	0.6658	1.354056	0.2714

PRUEBA		MAQUILADORA X		MAQUILADORA XI		MAQUILADORA XII	
GRANGER		F	P	F	P	F	P
Ho1	LPMI NO ES CAUSADA POR LWR (1)	7.643064	0.0083	0.011636	0.9146	21.2029	0.0
Ho2	LWR NO ES CAUSADA POR-LPMI X (1)	1.773961	0.1898	4.585017	0.0378	5.466631	0.024

H01	LPME NO ES CAUSADA POR LWR (3)	1 564358	0 2139	1 001403	0 4027	5 642296	0 0027
H02	LWR NO ES CAUSADA POR LPME (3)	0 95051	0 4259	2 319852	0 0907	2 452588	0 0781

ANEXO 2

**FUNCIONES DE DEMANDA DERIVADA DE TRABAJO PARA
MAQUILADORA Y SUS RAMAS, CONSTRUCCION, MANUFACTURA Y SUS
RAMAS (1993:01 A 1996:12)**

CUADRO # 1
 Demanda Demanda de trabajo en la Rama #
 Alimentos, bebidas y tabaco

Dependent Variable: LIPOMN1
 Method: Least Squares
 Date: 07/28/00 Time: 13:01
 Sample (adjusted): 1993:03 1996:12
 Included observations: 46 after adjusting endpoints
 Convergence achieved after 11 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob
C	4.236032	0.119764	35.36976	0.0000
LISALNOR	-0.008018	0.010810	0.741677	0.4626
LIVFMN1	0.071432	0.025703	2.779164	0.0083
DUMMY	0.015381	0.011052	1.391701	0.1717
AR(1)	1.321805	0.132734	9.958330	0.0000
AR(2)	-0.519470	0.129491	-4.011628	0.0003
R-squared	0.893507	Mean dependent var		4.577186
Adjusted R-squared	0.880196	S.D. dependent var		0.031236
S.E. of regression	0.010812	Akaike info criterion		-6.095249
Sum squared resid	0.004676	Schwarz criterion		5.856731
Log likelihood	146.1907	F-statistic		67.12260
Durbin-Watson stat	2.124498	Prob(F-statistic)		0.000000
Inverted AR Roots	66 - 29i	66 + 29i		

GRAFICA # 1
 Correlograma de la rama # 1

Date: 07/28/00 Time: 13:38
 Sample: 1993:03 1996:12
 Included observations: 46

Q-statistic
 probabilities
 adjusted for 2
 ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
. | .	. | .	1 -0.065	-0.065	0.2066	
. | .	. | .	2 -0.048	-0.053	0.3246	
. | .	. | .	3 0.049	0.042	0.4473	0.504
. | .	. | .	4 0.128	0.133	1.3128	0.519
. | .	. | .	5 -0.090	-0.069	1.7458	0.627
. | .	. | .	6 -0.169	-0.176	3.3272	0.505
. | .	. | .	7 -0.024	-0.071	3.3601	0.645
. | .	. | .	8 -0.032	-0.061	3.4185	0.755
. | .	. | .	9 0.226	0.275	6.4667	0.486
. | .	. | .	10 -0.242	-0.188	10.048	0.262
. | .	. | .	11 0.145	0.145	11.379	0.251
. | .	. | .	12 0.471	0.489	25.803	0.004
. | .	. | .	13 0.033	0.037	25.876	0.007
. | .	. | .	14 -0.150	-0.112	27.423	0.007
. | .	. | .	15 -0.067	-0.197	27.739	0.010
. | .	. | .	16 0.099	-0.097	28.463	0.012
. | .	. | .	17 -0.174	-0.045	30.764	0.009
. | .	. | .	18 -0.094	-0.029	31.458	0.012
. | .	. | .	19 -0.200	-0.090	34.730	0.007
. | .	. | .	20 0.071	-0.021	35.153	0.009

CUADRO # 2
 Demanda derivada de trabajo de la rama
 Textiles, Prendas de vestir e Industria del cuero

Dependent Variable: LIPOMN2
 Method: Least Squares
 Date: 07/28/00 Time: 13:20
 Sample (adjusted): 1993:03 1996:12
 Included observations: 46 after adjusting endpoints
 Convergence achieved after 9 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.451454	0.066833	66.60594	0.0000
LISALNOR	-0.014165	0.005417	2.614791	0.0125
LIVFMN2	0.005271	0.012963	0.406583	0.6865
DUMMY	0.042389	0.007921	5.351419	0.0000
AR(1)	1.530629	0.131188	11.66748	0.0000
AR(2)	-0.569414	0.126490	-4.501649	0.0001
R-squared	0.987956	Mean dependent var		4.511216
Adjusted R-squared	0.986451	SD dependent var		0.066331
S.E. of regression	0.007721	Akaike info criterion		-6.768613
Sum squared resid	0.002385	Schwarz criterion		6.530094
Log likelihood	161.6781	F-statistic		656.2380
Durbin-Watson stat	2.250017	Prob(F-statistic)		0.000000
Inverted AR Roots	.89		.64	

GRAFICA # 2
 Correlograma de la regresión de la rama # 2

Date: 07/28/00 Time: 13:45
 Sample: 1993:03 1996:12
 Included observations: 46

Q-statistic
 probabilities
 adjusted for 2
 ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
.169	-.169	1	0.169	-0.169	1.3960	
.191	0.167	2	0.191	0.167	3.2201	
.047	0.107	3	0.047	0.107	3.3312	0.068
.109	0.107	4	0.109	0.107	3.9596	0.138
-.141	0.147	5	-0.141	0.147	5.0317	0.169
.099	0.012	6	0.099	0.012	5.5780	0.233
-.004	0.052	7	-0.004	0.052	5.5789	0.349
.161	0.185	8	0.161	0.185	7.0888	0.313
-.246	-0.220	9	-0.246	-0.220	10.710	0.152
.164	0.004	10	0.164	0.004	12.364	0.136
-.046	0.047	11	-0.046	0.047	12.499	0.187
-.053	-0.050	12	-0.053	-0.050	12.678	0.242
-.123	-0.118	13	-0.123	-0.118	13.699	0.250
-.049	-0.179	14	-0.049	-0.179	13.861	0.310
-.150	0.102	15	-0.150	0.102	15.457	0.280
-.039	0.001	16	-0.039	0.001	15.568	0.340
.021	0.161	17	0.021	0.161	15.601	0.409
.047	0.020	18	0.047	0.020	15.777	0.469
-.096	0.101	19	-0.096	0.101	16.532	0.486
-.074	-0.157	20	-0.074	-0.157	16.998	0.523

LIPOMN3
 Demanda De madera en la zona 3
 Industria de la madera y productos de la madera

Dependent Variable: LIPOMN3
 Method: Least Squares
 Date: 07/28/00 Time: 13:54
 Sample(adjusted): 1993:03 1996:12
 Included observations: 46 after adjusting endpoints
 Convergence achieved after 12 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.514566	0.071201	63.40624	0.0000
LISALNOR	-0.037685	0.014206	-2.652749	0.0114
LIVFMN3	0.003370	0.015038	-0.224107	0.8238
DUMMY	0.074819	0.014258	5.247616	0.0000
AR(1)	1.309362	0.140698	9.306165	0.0000
AR(2)	-0.445020	0.140456	-3.168393	0.0029
R-squared	0.956980	Mean dependent var	4.545207	
Adjusted R-squared	0.951603	S.D. dependent var	0.063930	
S.E. of regression	0.014064	Akaike info criterion	-5.569249	
Sum squared resid	0.007912	Schwarz criterion	-5.330730	
Log likelihood	134.0927	F-statistic	177.9614	
Durbin-Watson stat	2.152880	Prob(F-statistic)	0.000000	
Inverted AR Roots	.65 .13i	.65+ .13i		

GRAFICA # 3
 Correlograma de la rama # 3

Date: 07/28/00 Time: 13:57
 Sample: 1993:03 1996:12
 Included observations: 46
 Q-statistic
 probabilities
 adjusted for 2
 ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
.1	.1	1	-0.105	0.105	0.5363
.1*	.1*	2	0.136	0.126	1.4613
.1	.1	3	0.006	0.032	1.4631 0.226
.1	.1	4	-0.130	-0.148	2.3505 0.309
.1	.1	5	0.048	0.018	2.4744 0.480
.1	.1	6	-0.075	-0.032	2.7853 0.594
.1	.1	7	0.030	0.015	2.8363 0.725
.1	.1	8	0.062	-0.066	3.0591 0.801
.1	.1	9	-0.029	-0.038	3.1097 0.875
.1	.1	10	-0.022	-0.027	3.1407 0.925
.1	.1	11	0.032	0.050	3.2074 0.956
.1***	.1***	12	0.335	0.349	10.479 0.400
.1	.1	13	-0.014	0.043	10.492 0.487
.1	.1	14	0.035	-0.089	10.577 0.565
.1**	.1**	15	-0.202	-0.258	13.470 0.412
.1**	.1**	16	0.254	-0.285	18.204 0.198
.1*	.1*	17	-0.065	-0.110	18.528 0.236
.1	.1	18	0.072	0.041	18.941 0.272
.1	.1	19	-0.026	-0.009	18.994 0.329
.1	.1	20	0.026	-0.023	19.050 0.389

GRAFICA # 4
 Demanda derivada de trabajo de la rama # 4
 Papel, Productos de papel, imprenta y editoriales

Dependent Variable: LIPOMN4
 Method: Least Squares
 Date: 07/28/00 Time: 14:04
 Sample(adjusted): 1993:03 1996:12
 Included observations: 43
 Excluded observations: 3 after adjusting endpoints
 Convergence achieved after 11 iterations

Variable	Coefficient	Std Error	t-Statistic	Prob.
C	4.460076	0.077840	57.29764	0.0000
LISALNOR	-0.010219	0.009424	-1.084367	0.2852
LIVFMN4	0.004497	0.016729	0.268836	0.7895
DUMMY	0.102053	0.016146	6.320558	0.0000
AR(1)	1.090280	0.166803	6.536330	0.0000
AR(2)	-0.227199	0.158667	-1.431927	0.1606
R-squared	0.984806	Mean dependent var	4.541811	
Adjusted R-squared	0.982753	S.D. dependent var	0.053204	
S.E. of regression	0.006987	Akaike info criterion	-6.960727	
Sum squared resid	0.001806	Schwarz criterion	-6.714979	
Log likelihood	155.6556	F-statistic	479.6489	
Durbin-Watson stat	2.125791	Prob(F-statistic)	0.000000	
Inverted AR Roots	.81	28		

GRAFICA # 4
 Correlograma de la Ecuacion de la rama # 4

Date: 07/28/00 Time: 14:07
 Sample: 1993:03 1996:12
 Included observations: 43
 Q-statistic
 probabilities
 adjusted for 2
 ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
|	|	1 -0.052	-0.052	0.1245	
|	|	2 0.128	0.126	0.8974	
|	|	3 -0.008	0.005	0.9004	0.343
|	|	4 -0.057	-0.075	1.0625	0.588
|	|	5 -0.154	-0.164	2.2712	0.518
**|	**|	6 -0.290	-0.304	6.6697	0.154
|	|	7 0.042	0.043	6.7666	0.239
**|	**|	8 -0.274	-0.225	10.905	0.091
|**	|**	9 0.247	0.226	14.388	0.045
|	|	10 -0.049	-0.047	14.527	0.069
|	|	11 0.016	-0.133	14.543	0.104
|	|	12 0.119	0.033	15.429	0.117
|	|	13 0.107	0.097	16.163	0.135
|	|	14 0.053	-0.010	16.352	0.176
|	|	15 -0.005	0.139	16.354	0.231
|	|	16 0.026	-0.188	16.403	0.289
|	|	17 -0.123	-0.025	17.528	0.288
|	|	18 0.004	0.023	17.529	0.352
|	|	19 -0.093	-0.038	18.234	0.374
|	|	20 -0.103	0.031	19.124	0.384

TABLA 1
 Dependiente: LIPOMN5
 Datos: 1993:03-1996:12
 Sustancias químicas derivadas de productos de caucho y plástico

Dependent Variable: LIPOMN5
 Method: Least Squares
 Date: 07/28/00 Time: 14:13
 Sample (adjusted): 1993:03 1996:12
 Included observations: 46 after adjusting endpoints
 Convergence achieved after 10 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.515421	0.059700	75.63578	0.0000
LISALNOR	-0.013213	0.004273	-3.091909	0.0036
LIVFMN5	-0.000373	0.012139	-0.030730	0.9756
DUMMY	0.024543	0.005187	4.731812	0.0000
AR(1)	1.542730	0.118274	13.04373	0.0000
AR(2)	-0.583414	0.115412	-5.055039	0.0000
R-squared	0.990261	Mean dependent var	4.547856	
Adjusted R-squared	0.989044	S.D. dependent var	0.045651	
S.E. of regression	0.004778	Akaike info criterion	-7.728334	
Sum squared resid	0.000913	Schwarz criterion	-7.489815	
Log likelihood	183.7517	F-statistic	813.4493	
Durbin-Watson stat	2.201166	Prob(F-statistic)	0.000000	
Inverted AR Roots	.88	.66		

GRAFICA 1
 Correlograma de la serie

Date: 07/28/00 Time: 14:16
 Sample: 1993:03 1996:12
 Included observations: 46
 Q-statistic
 probabilities
 adjusted for 2
 ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
1	.108	.108	.108	0.5675	
2	.114	.104	.104	1.2193	
3	.004	.026	.026	1.2200	0.269
4	.151	.145	.145	2.4124	0.299
5	.201	.238	.238	4.5905	0.204
6	-.142	-.133	-.133	5.7001	0.223
7	.048	-.036	-.036	5.8281	0.323
8	-.099	-.113	-.113	6.3991	0.380
9	-.058	-.169	-.169	6.6011	0.472
10	-.025	-.035	-.035	6.6408	0.576
11	.196	-.143	-.143	9.0536	0.432
12	-.065	-.097	-.097	9.3284	0.501
13	.262	.200	.200	13.933	0.237
14	-.192	-.267	-.267	16.468	0.171
15	.047	.068	.068	16.625	0.217
16	-.049	.112	.112	16.804	0.267
17	.038	.043	.043	16.912	0.324
18	.168	.018	.018	19.124	0.262
19	.030	-.029	-.029	19.198	0.317
20	.084	-.020	-.020	19.799	0.344

L.ADR) = 6
 Demanda derivada de trabajo de la rama # 6
 Productos de minería no metálica

Dependent Variable: LIPOMN6
 Method: Least Squares
 Date: 07/28/00 Time: 14:57
 Sample(adjusted): 1993:03 1996:12
 Included observations: 46 after adjusting endpoints
 Convergence achieved after 15 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.321764	0.132498	32.61759	0.0000
LISALNOR	0.000176	0.000185	0.946944	0.3494
LIVFMN6	0.005997	0.020795	0.288403	0.7745
DUMMY	0.055626	0.014927	3.726525	0.0006
AR(1)	1.396107	0.139969	9.974399	0.0000
AR(2)	-0.420662	0.137777	-3.053203	0.0040
R-squared	0.993768	Mean dependent var	4.471690	
Adjusted R-squared	0.992988	S.D. dependent var	0.106334	
S.E. of regression	0.008904	Akaike info criterion	-6.483552	
Sum squared resid	0.003171	Schwarz criterion	-6.245033	
Log likelihood	155.1217	F-statistic	1275.597	
Durbin-Watson stat	2.234349	Prob(F-statistic)	0.000000	
Inverted AR Roots	96	44		

GRAFICA # 6
 Correlograma de la rama # 6

Date: 07/28/00 Time: 15:00
 Sample: 1993:03 1996:12
 Included observations: 46
 Q-statistic
 probabilities
 adjusted for 2
 ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
. |	. |	1 -0.122	-0.122	0.7269	
. |	. |	2 0.134	0.121	1.6269	
. |	. |	3 0.136	0.170	2.5803	0.108
. |	. |	4 0.137	0.166	3.5680	0.168
. |	. |	5 0.091	0.100	4.0159	0.260
. |	. |	6 -0.066	-0.110	4.2539	0.373
. |	. |	7 0.106	0.008	4.8923	0.429
. |	. |	8 -0.126	-0.157	5.8137	0.444
. |	. |	9 0.091	0.039	6.3079	0.504
. |	. |	10 -0.247	-0.226	10.057	0.261
. |	. |	11 -0.007	-0.054	10.060	0.346
. |	. |	12 -0.195	-0.186	12.537	0.251
. |	. |	13 -0.077	-0.036	12.929	0.298
. |	. |	14 -0.185	-0.152	15.279	0.227
. |	. |	15 -0.160	-0.072	17.101	0.195
. |	. |	16 0.080	0.117	17.575	0.227
. |	. |	17 -0.140	0.077	19.060	0.211
. |	. |	18 -0.105	-0.116	19.925	0.224
. |	. |	19 -0.130	-0.109	21.314	0.213
. |	. |	20 0.138	0.049	22.928	0.193

(ADR) =
 Demanda Derivada de la rama de la rama - ?
 Industrias metalicas basicas

Dependent Variable: LIPOMN7
 Method: Least Squares
 Date: 07/28/00 Time: 15:16
 Sample (adjusted): 1993:03 1996:12
 Included observations: 46 after adjusting endpoints
 Convergence achieved after 11 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.258875	0.105122	40.51356	0.0000
LISALNOR	-0.006659	0.012722	-0.523441	0.6036
LIVFMN7	0.053300	0.022362	2.383495	0.0220
DUMMY	0.030735	0.009938	3.092780	0.0036
AR(1)	0.973598	0.156845	6.207410	0.0000
AR(2)	-0.058986	0.149332	-0.395001	0.6949
R-squared	0.971312	Mean dependent var	4.545845	
Adjusted R-squared	0.967726	S.D. dependent var	0.040345	
S.E. of regression	0.007248	Akaike info criterion	-6.895059	
Sum squared resid	0.002101	Schwarz criterion	-6.656541	
Log likelihood	164.5864	F-statistic	270.8618	
Durbin-Watson stat	1.924025	Prob(F-statistic)	0.000000	
Inverted AR Roots	.91	.06		

GRAFICA # 7
 Correlograma de la ecuacion de la rama # 7

Date: 07/28/00 Time: 15:19
 Sample: 1993:03 1996:12
 Included observations: 46
 Q-statistic
 probabilities
 adjusted for 2
 ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q Stat	Prob
|	|	1 0.027	0.027	0.0368	
•	•	2 -0.093	-0.093	0.4662	
***	***	3 0.363	0.372	7.2237	0.007
•	•	4 0.104	0.072	7.7964	0.020
•	•	5 0.089	0.180	8.2267	0.042
•	•	6 0.147	0.028	9.4167	0.051
•	•	7 -0.109	-0.178	10.093	0.073
|	|	8 0.041	-0.040	10.192	0.117
•	•	9 0.069	0.074	10.474	0.163
•	•	10 -0.072	-0.002	10.791	0.214
•	•	11 -0.129	-0.154	11.846	0.222
•	•	12 -0.136	-0.153	13.049	0.221
•	•	13 -0.046	-0.035	13.188	0.281
**	**	14 -0.235	-0.251	17.002	0.150
•	•	15 -0.186	-0.062	19.461	0.109
|	|	16 0.019	0.069	19.489	0.147
•	•	17 -0.077	0.150	19.946	0.174
**	**	18 -0.258	-0.119	25.203	0.066
|	|	19 0.004	0.056	25.204	0.090
|	|	20 0.000	0.028	25.204	0.119

LADRO - 8
 Demanda derivada de la rama # 8
 Productos metálicos maqui naria y equipo

Dependent Variable: LIPOMN8
 Method: Least Squares
 Date: 07/28/00 Time: 15:22
 Sample(adjusted): 1993:03 1996:12
 Included observations: 46 after adjusting endpoints
 Convergence achieved after 12 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.345247	0.070641	61.51170	0.0000
LISALNOR	0.000374	0.000320	1.171302	0.2484
LIVFMN8	0.026721	0.012625	2.116505	0.0406
DUMMY	0.018494	0.007185	2.574037	0.0139
AR(1)	1.628280	0.113966	14.28743	0.0000
AR(2)	-0.663169	0.109992	-6.029246	0.0000
R-squared	0.990201	Mean dependent var	4.501974	
Adjusted R-squared	0.988977	S.D. dependent var	0.080129	
S.E. of regression	0.008413	Akaike info criterion	-6.596991	
Sum squared resid	0.002831	Schwarz criterion	-6.358472	
Log likelihood	157.7308	F-statistic	808.4505	
Durbin-Watson stat	2.441527	Prob(F-statistic)	0.000000	
Inverted AR Roots	.81 -.02i	.81+ .02i		

GRAFICO # 3
 Correlograma de la ecuacion de la rama # 8

Date: 07/28/00 Time: 15:26
 Sample: 1993:03 1996:12
 Included observations: 46
 Q-statistic
 probabilities
 adjusted for 2
 ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
**|	**|	1 0.221	-0.221	2.4073	
|**	|**	2 0.265	0.227	5.9185	
|.	|.	3 -0.087	0.009	6.3084	0.012
|**	|**	4 0.244	0.190	9.4502	0.009
**|	**|	5 -0.258	-0.193	13.024	0.005
|**	|**	6 0.326	0.198	18.896	0.001
|.	|.	7 -0.079	0.097	19.248	0.002
|.	|.	8 -0.094	-0.283	19.765	0.003
**|	**|	9 -0.201	0.233	22.181	0.002
|.	|.	10 0.138	0.062	23.356	0.003
***|	***|	11 -0.354	-0.211	31.280	0.000
|**	|**	12 0.242	0.202	35.083	0.000
|.	|.	13 -0.170	-0.056	37.014	0.000
|.	|.	14 0.017	-0.098	37.035	0.000
***|	***|	15 -0.354	-0.168	45.980	0.000
|.	|.	16 0.185	-0.087	48.493	0.000
**|	**|	17 -0.267	-0.041	53.934	0.000
|.	|.	18 0.161	0.062	55.977	0.000
|.	|.	19 0.072	0.027	56.403	0.000
|.	|.	20 0.012	0.151	56.414	0.000

CLADRO - 9
 Demanda de trabajo de la rama # 9
 Otras industrias manufactureras

Dependent Variable: LIPOMN9
 Method: Least Squares
 Date: 07/28/00 Time: 15:30
 Sample(adjusted): 1993:03 1996:12
 Included observations: 46 after adjusting endpoints
 Convergence achieved after 11 iterations

Variable	Coefficient	Std Error	t-Statistic	Prob.
C	4.519422	0.055187	81.89288	0.0000
LISALNOR	-0.023378	0.008352	-2.799103	0.0078
LIVFMN9	0.001129	0.010525	0.107268	0.9151
DUMMY	0.035474	0.016331	2.172151	0.0358
AR(1)	1.390072	0.137732	10.09256	0.0000
AR(2)	-0.475014	0.137022	-3.466690	0.0013
R-squared	0.946419	Mean dependent var	4.549518	
Adjusted R-squared	0.939721	S.D. dependent var	0.064003	
S.E. of regression	0.015714	Akaike info criterion	-5.347434	
Sum squared resid	0.009877	Schwarz criterion	-5.108916	
Log likelihood	128.9910	F-statistic	141.3068	
Durbin-Watson stat	2.161402	Prob(F-statistic)	0.000000	
Inverted AR Roots	.78	.61		

GRAFICA # 9
 Correlograma de la ecuacion de la rama # 9

Date: 07/28/00 Time: 15:32
 Sample: 1993:03 1996:12
 Included observations: 46
 Q-statistic
 probabilities
 adjusted for 2
 ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
1		-0.086	-0.086	0.3654	
2		0.032	0.025	0.4182	
3		0.029	0.034	0.4618	0.497
4		0.130	0.136	1.3504	0.509
5		-0.079	-0.060	1.6892	0.639
6		-0.007	-0.029	1.6920	0.792
7	**	-0.201	-0.217	3.9760	0.553
8		0.057	0.012	4.1631	0.655
9		0.111	0.160	4.8951	0.673
10		-0.188	-0.158	7.0590	0.530
11		0.104	0.131	7.7394	0.561
12		0.037	-0.078	7.8289	0.646
13		0.002	-0.038	7.8292	0.729
14	**	-0.235	-0.249	11.628	0.476
15		0.191	0.172	14.220	0.359
16		-0.084	0.024	14.738	0.396
17		-0.077	-0.183	15.193	0.438
18		-0.156	-0.090	17.114	0.378
19		0.069	0.000	17.500	0.421
20	**	-0.141	-0.192	19.183	0.381

CUADRO # 11
Demanda de fuerza de trabajo en la industria manufacturera

Dependent Variable: LIPOMN
 Method: Least Squares
 Date: 07/28/00 Time: 15:35
 Sample(adjusted): 1993:03 1996:12
 Included observations: 46 after adjusting endpoints
 Convergence achieved after 10 iterations

Variable	Coefficient	Std Error	t-Statistic	Prob.
C	4.429753	0.066268	66.84650	0.0000
LISALNOR	-0.007841	0.005234	-1.498224	0.1419
LIVFMAN	0.013230	0.013908	0.951266	0.3472
DUMMY	0.022380	0.006357	3.520406	0.0011
AR(1)	1.571352	0.123213	12.75314	0.0000
AR(2)	-0.612600	0.119190	-5.139708	0.0000
R-squared	0.989002	Mean dependent var	4.535160	
Adjusted R-squared	0.987627	S.D. dependent var	0.053559	
S.E. of regression	0.005958	Akaike info criterion	-7.287193	
Sum squared resid	0.001420	Schwarz criterion	-7.048674	
Log likelihood	173.6054	F-statistic	719.3944	
Durbin-Watson stat	2.195684	Prob(F-statistic)	0.000000	
Inverted AR Roots	.85	.72		

GRAFICA # 10
Conograma de la ecuacion de la industria

Date: 07/28/00 Time: 15:37
 Sample: 1993:03 1996:12
 Included observations: 46
 Q-statistic
 probabilities
 adjusted for 2
 ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
*)	*)	1.0111	-0.111	0.6005	
*)	*)	2.0136	0.125	1.5219	
*)	*)	3.0060	0.089	1.7070	0.191
*)	*)	4.-0.048	-0.052	1.8298	0.401
*)	*)	5.-0.029	-0.062	1.8754	0.599
*)	*)	6.0.077	0.079	2.1998	0.699
*)	*)	7.0.002	0.041	2.2002	0.821
**)	**)	8.0.197	0.224	4.4640	0.614
*)	*)	9.0.084	0.022	4.8838	0.674
*)	*)	10.0.142	-0.064	6.1269	0.633
*)	*)	11.-0.044	-0.050	6.2484	0.715
**)	**)	12.0.286	0.298	11.543	0.317
*)	*)	13.-0.109	-0.050	12.331	0.339
*)	*)	14.0.060	-0.165	12.578	0.400
**)	**)	15.-0.203	0.296	15.525	0.276
*)	*)	16.-0.059	0.075	15.778	0.327
**)	*)	17.0.210	-0.107	19.148	0.207
*)	*)	18.0.047	0.043	19.322	0.252
*)	*)	19.0.091	-0.060	20.004	0.274
*)	*)	20.0.085	0.014	20.612	0.299

CUADRO # 1

Demanda Derivada de trabajo de la Industria de Construcción

Dependent Variable: LIPOC
 Method: Least Squares
 Date: 07/28/00 Time: 16.40
 Sample (adjusted): 1993:02 1996:12
 Included observations: 47 after adjusting endpoints
 Convergence achieved after 11 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	3.357834	0.544399	6.167965	0.0000
LWRVTP	-0.193634	0.135970	-1.424090	0.1618
LIVFC	0.241380	0.087034	2.773394	0.0082
DUMMY	0.017488	0.046223	0.378332	0.7071
AR(1)	0.965396	0.033530	28.79209	0.0000
R-squared	0.981123	Mean dependent var	4.290603	
Adjusted R-squared	0.979325	S.D. dependent var	0.277368	
S.E. of regression	0.039882	Akaike info criterion	-3.505473	
Sum squared resid	0.066806	Schwarz criterion	-3.308649	
Log likelihood	87.37862	F-statistic	545.7207	
Durbin-Watson stat	2.004500	Prob(F statistic)	0.000000	

Inverted AR Roots 97

GRAFICA # 11

Correlograma de la ecuación de la Industria de la Construcción

Date: 07/28/00 Time: 16.43
 Sample: 1993:02 1996:12
 Included observations: 47

Q-statistic
 probabilities
 adjusted for 1
 ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
1	0.013	-0.013	-0.013	0.0081	
2	0.181	-0.182	-0.182	1.6937	0.193
3	0.153	0.153	0.153	2.9111	0.233
4	0.058	0.027	0.027	3.0943	0.377
5	0.084	-0.031	-0.031	3.4791	0.481
6	0.067	0.063	0.063	3.7302	0.589
7	0.060	-0.100	-0.100	3.9394	0.685
8	0.054	-0.016	-0.016	4.1115	0.767
9	0.139	-0.192	-0.192	5.2808	0.727
10	0.077	-0.081	-0.081	5.6510	0.774
11	0.055	-0.096	-0.096	5.8451	0.828
12	0.158	0.184	0.184	7.4933	0.758
13	0.054	0.090	0.090	7.6931	0.809
14	0.119	-0.056	-0.056	8.6884	0.796
15	0.137	0.152	0.152	10.042	0.759
16	0.014	-0.143	-0.143	10.057	0.816
17	0.122	-0.060	-0.060	11.193	0.797
18	0.021	-0.127	-0.127	11.227	0.844
19	0.016	-0.045	-0.045	11.249	0.883
20	0.194	-0.180	-0.180	14.461	0.756

CUADRO # 12

Demanda derivada de trabajo de la industria maquiladora

Dependent Variable: LIPOMQT

Method Least Squares

Date 08/03/00 Time 11:40

Sample (adjusted): 1993:02 1996:12

Included observations: 47 after adjusting endpoints

Convergence achieved after 10 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	4.037607	0.675312	5.978876	0.0000
LIWTCT	-0.017462	0.020823	-0.838628	0.4064
LIVFMQT	0.023743	0.024851	0.955433	0.3448
DUMMY	0.002560	0.011812	0.216735	0.8295
AR(1)	1.013451	0.012928	78.39002	0.0000
R-squared	0.994038	Mean dependent var	4.754387	
Adjusted R-squared	0.993470	S.D. dependent var	0.128957	
S.E. of regression	0.010421	Akaike info criterion	-6.189686	
Sum squared resid	0.004561	Schwarz criterion	-5.992862	
Log likelihood	150.4576	F-statistic	1750.513	
Durbin-Watson stat	1.505873	Prob(F-statistic)	0.000000	

Inverted AR Roots

1.01

Estimated AR process is nonstationary

GRAFICA# 12

Correlograma de la demanda de maquiladora

Date 08/03/00 Time 11:44

Sample 1993:02 1996:12

Included observations: 47

Q statistic

probabilities

adjusted for 1

ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
|*	|*	1.0087	0.087	0.3825	
|.	|.	2.-0.090	-0.098	0.7965	0.372
|.	|.	3.-0.061	-0.044	0.9907	0.609
|.	|.	4.-0.165	-0.167	2.4522	0.484
|.	|.	5.0.014	0.035	2.4629	0.651
|.	|.	6.0.079	0.042	2.8178	0.728
|.	|.	7.0.067	0.048	3.0733	0.800
|.	**|	8.-0.176	-0.210	4.9070	0.671
|.	**|	9.-0.076	-0.020	5.2551	0.730
**|	**|	10.-0.258	-0.289	9.4022	0.401
|.	|.	11.-0.033	0.014	9.4713	0.488
|.	|.	12.0.106	-0.036	10.215	0.511
|.	|.	13.-0.003	-0.040	10.215	0.597
|.	|.	14.0.054	0.022	10.420	0.659
|.	|.	15.-0.076	-0.065	10.835	0.699
|.	|.	16.-0.103	0.116	11.629	0.707
|.	|.	17.0.083	0.103	12.156	0.733
|.	|.	18.0.152	0.008	14.000	0.667
|.	|.	19.0.016	-0.038	14.022	0.728
|.	|.	20.0.113	0.068	15.105	0.716

CUADRO # 13

Demanda derivada de trabajo maquiladora 1

Dependent Variable: LIPOMQ1

Method: Least Squares

Date: 08/03/00 Time: 11 50

Sample(adjusted): 1993.02 1996 12

Included observations: 47 after adjusting endpoints

Convergence achieved after 9 iterations

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	-5.385026	1.405859	-3.830416	0.0004
LIW1C1	1.132117	0.198222	5.711365	0.0000
LIVF1	1.043102	0.156254	6.675687	0.0000
DUMMY	-0.165792	0.083100	-1.995098	0.0525
AR(1)	0.711600	0.117359	6.063470	0.0000
R-squared	0.853397	Mean dependent var		4.382144
Adjusted R-squared	0.839435	S.D. dependent var		0.256354
S.E. of regression	0.102723	Akaike info criterion		-1.613280
Sum squared resid	0.443182	Schwarz criterion		-1.416456
Log likelihood	42.91209	F-statistic		61.12186
Durbin-Watson stat	1.926557	Prob(F-statistic)		0.000000
Inverted AR Roots	71			

GRAFICA # 13

Correlograma de maquiladora 1

Date: 08/03/00 Time: 11 59

Sample: 1993:02 1996 12

Included observations: 47

Q-statistic
probabilities
adjusted for 1
ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob	
|	|	1	-0.062	-0.062	0.1926	
|	|	2	-0.146	-0.150	1.2809	0.258
|***	|***	3	0.340	0.329	7.3165	0.026
|	|	4	-0.090	-0.093	7.7513	0.051
|	|	5	-0.146	-0.065	8.9211	0.063
|**	|*	6	0.271	0.158	13.045	0.023
|	|	7	0.019	0.060	13.067	0.042
|.	|	8	-0.062	0.051	13.297	0.065
|.	|	9	0.138	0.004	14.449	0.071
|	|	10	-0.028	-0.031	14.497	0.106
|.	|	11	-0.126	-0.073	15.517	0.114
|	|	12	0.134	0.066	16.694	0.117
|	|**	13	-0.155	-0.200	18.321	0.106
|	|	14	-0.116	-0.051	19.265	0.115
|	|**	15	0.066	0.245	19.574	0.144
|	|.	16	-0.152	0.106	21.301	0.127
|	|	17	-0.038	-0.017	21.410	0.163
|.	|*	18	0.092	0.088	22.086	0.181
|	|	19	-0.119	-0.040	23.245	0.181
|	|	20	-0.044	-0.006	23.410	0.220

CUADRO # 14

Demanda derivada de trabajo maquiladora 2

Dependent Variable: LIPOMQ2

Method: Least Squares

Date: 08/03/00 Time: 12:04

Sample(adjusted): 1993:02 1996:12

Included observations: 47 after adjusting endpoints

Convergence achieved after 9 iterations

Variable	Coefficient	Std Error	t-Statistic	Prob.
C	3.724523	0.889919	4.185240	0.0001
LIW2C2	0.023682	0.034741	-0.681662	0.4992
LIVFMQ2	0.015416	0.036187	0.426006	0.6723
DUMMY	-0.042835	0.019034	-2.250391	0.0297
AR(1)	1.014958	0.010073	100.7603	0.0000
R-squared	0.996722	Mean dependent var	4.942716	
Adjusted R-squared	0.996409	S.D dependent var	0.284009	
S.E. of regression	0.017018	Akaike info criterion	-5.208750	
Sum squared resid	0.012164	Schwarz criterion	-5.011926	
Log likelihood	127.4056	F-statistic	3192.248	
Durbin-Watson stat	1.591155	Prob(F-statistic)	0.000000	
Inverted AR Roots	1.01	Estimated AR process is nonstationary		

GRAFICA # 14

Correlograma de demanda de maquiladora 2

Date: 08/03/00 Time: 12:05

Sample: 1993:02 1996:12

Included observations: 47

Q-statistic

probabilities

adjusted for 1

ARMA term(s)

Autocorrelation	Partial Correlation	AC	PAC	Q-Stat	Prob
1	0.194	0.194	1.8881		
2	0.063	0.026	2.0913	0.148	
3	0.001	-0.017	2.0914	0.351	
4	-0.156	-0.161	3.3946	0.335	
5	-0.211	-0.162	5.8388	0.212	
6	-0.288	-0.229	10.490	0.062	
7	-0.198	-0.121	12.749	0.047	
8	-0.150	-0.133	14.079	0.050	
9	0.166	0.184	15.751	0.046	
10	-0.154	-0.346	17.220	0.045	
11	0.102	0.070	17.892	0.057	
12	0.145	-0.057	19.269	0.056	
13	-0.016	-0.121	19.286	0.082	
14	0.012	-0.104	19.297	0.114	
15	-0.057	-0.083	19.528	0.146	
16	-0.047	0.141	19.688	0.184	
17	0.077	-0.087	20.138	0.214	
18	0.019	-0.120	20.168	0.266	
19	0.162	0.190	22.322	0.218	
20	0.099	0.067	23.158	0.230	