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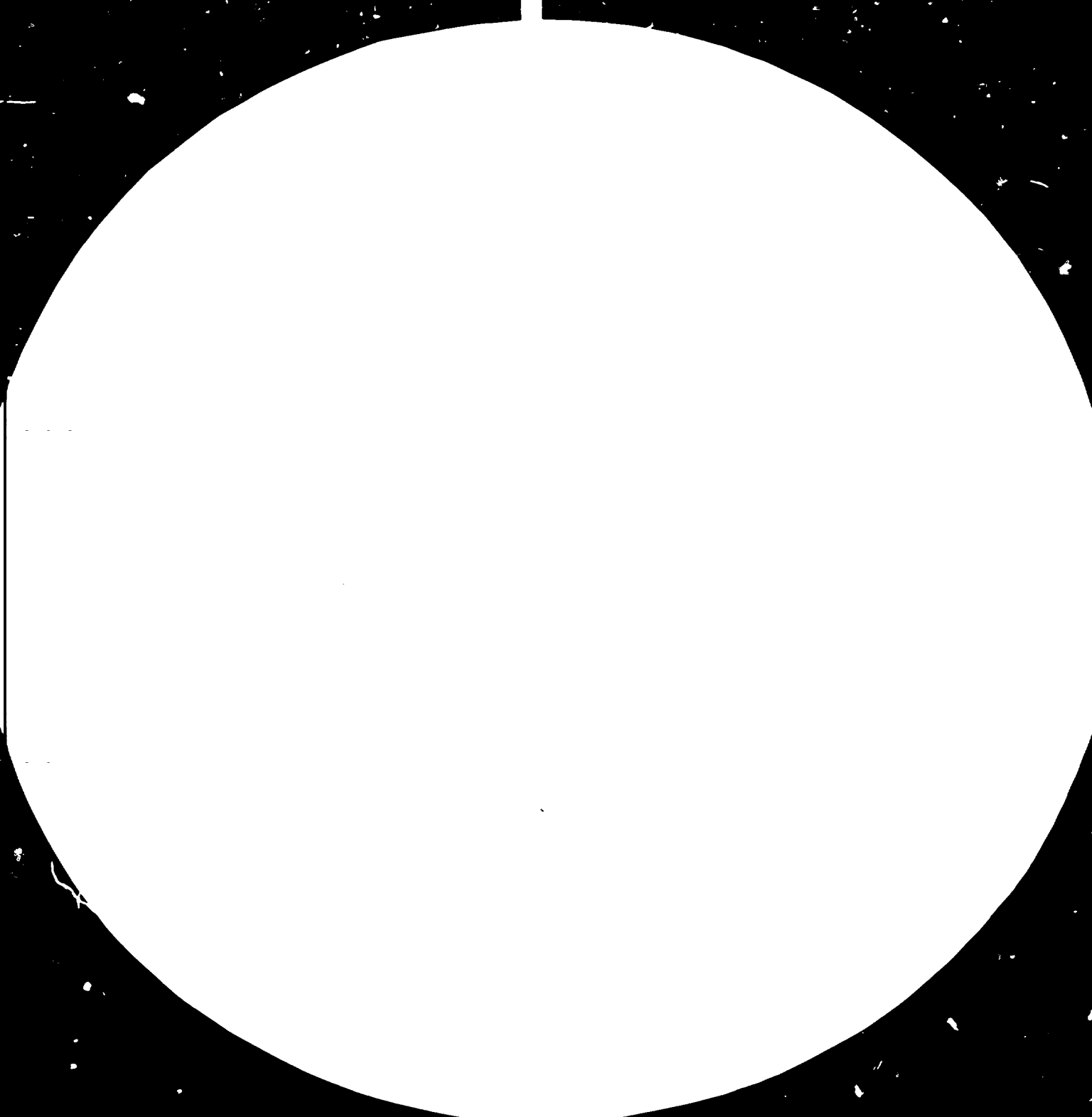
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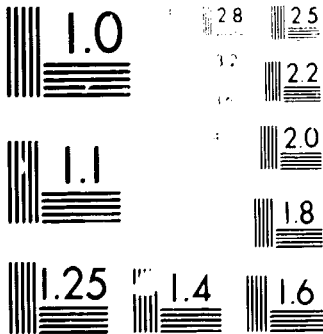
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THE ANALYSIS AND LONG-TERM PROJECTION
OF INTERINDUSTRY STRUCTURES

TREND PROJECTIONS OF INPUT COEFFICIENTS
FOR THE UNITAD REGIONAL TABLES *

UNITAD Paper prepared for submission to the
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TREND PROJECTIONS OF INPUT COEFFICIENTS FOR THE UNITAD REGIONAL TABLES

The investigation of inter- country and interregional differences in the pattern of the Leontief production functions of individual sectors and industries respectively - which are given by the vectors of input output coefficients in the input- output tables- was carried out in several stages.

In the first stage of investigation a set of standardized input- output tables, prepared by the University of Bradford (England), was used as the main source of data. These tables, which were made available to UNIDO, were aggregated into a 24 industry classification and in the next step into the 8 sector SIMV classification. Tables for 30 countries were used for the investigation, the results of which were discussed at the Expert Group Meeting on the Analysis and Projection of technological characteristics in the UNITAD System of Models, which was held in Vienna from 22 to 24 October 1979.

The main findings of this study were that (i) the intercountry differences of a number of input- coefficients are related to differences in economic level (measured by per capita GDP), size (measured by number of population) and also by population density; and (ii) also to " output mix" i.e. to different weights of the 24 industries in the aggregated 8 SIMV sectors. The most important tables from the working document presented to the Expert Group Meeting are reproduced at the end of the introductory part of this document.

In the second stage of investigation a new set of input- output tables, prepared in cooperation between UNIDO and the Economic University of Vienna, was used. The scope of this analysis was narrower and more projection oriented. It concentrated only on the relationship between the values of the input coefficients and the per capita GDP. In order to eliminate the impact of other factors than the level of economic development on the values of the input coefficients, only semi- logarithmic equations, relating the coefficient value to the log of the per capita GDP, were used. This allows to use the regression equation for the estimate of change of a given coefficient (for a given country or region of the SIMV Model) to a difference or, respectively, change in the level of per capita GDP.

In the third stage of investigation, the same set of input- output tables was analysed in Geneva by A. Duval by the main component analysis. The results of this investigation were in broad sense consistent with the results of the two previous stages. Differences in per capita GDP, population density, size of the country, output mix and endowment of countries with ores and minerals codetermine the similarities or dissimilarities between vectors of the 8 sectors of the SIMV input- output tables.

The purpose of this document is to link some results of the second and third stages of the investigation and to indicate, how these could be used for projections of input coefficients. This link was established for six SIMV sectors only, the results of the calculations for the energy and construction sectors are too weak for this specific purpose. The link is based on the findings about the impact of the differences in the per capita GDP on the values of the input coefficients. Other influences are not taken into consideration, it is assumed that these are either captured in the 1970 values of the input coefficients (which would then be the starting point of projections which will be carried out as projections of changes in the coefficients from the base 1970 values) or that other methods will be used for that purpose.

The main part of this document is divided into six sections according to the six SIMV sectors for which the analysis was carried out. The first page in each section contains a brief summary of the results of the three stages of analysis as outlined above.

The second page of each section contains three tables. The first one (Table Ca) is the presentation of the input coefficients of the 8 sector SIMV input-output tables for 1970 for the following eight regions: 1. Tropical Africa; 2. Near East; 3. Asia 1 (Indian subcontinent); 4. Asia 2 (South-East Asia); 5. Latin America; 6. Western Europe; 7. Japan; 8. North America. These coefficient values are the starting point for any projection. The second table (Table Cb) contains the elements of the three most important eigenvectors which resulted from the main component analysis. In the third table (Table Cc) only the last column refers to the previous analysis. It contains the regression coefficients of the semi-logarithmic equations, which related the values of the input coefficients to the log per capita GDP. It is assumed, that the change in the log of per capita GDP is equal to unity. Translated into the rate of change over time, this means, that an average annual rate of GDP per capita growth would be 5.12 per cent over twenty years or 3.39 per cent over thirty years.

The link between the regression analysis and the main component analysis is then established as follows. Three (or two respectively) best results of the regression analysis- which are usually related to input coefficients the values of which are rather important- are selected. The regression coefficients of these input coefficients become elements of a column vector $[r]$. The three (or two) corresponding rows of the three (or two) eigenvectors $[x, y, z]$ become rows of a quadratic matrix $[Q]$. The changes in the coordinates of the main component analysis (a column vector dC , the elements of which are the values dX , dY and dZ respectively), is then calculated as $d[C] = [Q]^{-1}[r]$. The eigenvectors $[x, y, z]$ are then multiplied by scalars dX, dY and dZ and added row-wise. The result is then the first estimate

of a vector of change in input coefficients corresponding to unit change in the log of the per capita GDP which is presented in the first column of the Table Cc. These first estimates have generally two deficiencies: the estimated changes do not add up to nul, and the values of the main diagonal coefficients are always assumed constant. The results are therefore adjusted to add up to nul, in this adjustment other regression coefficients (which can be found in the last column of Table Cc) are considered. The adjusted vector of change and the corresponding values of the change of the coordinates are presented in the second column of Table Cc.

In the next step a very weak and tentative link between the results of the cross-section analysis and the changes of coefficients in time is established. Its results should be therefore used with caution and only a spectrum of alternative solutions. The change in the vector of input coefficients is assumed to a change in time, and is related to the rate of growth of per capita GDP. The vector of the unit change in input coefficients and also the values of the changes in the coordinates(as presented in the second column of Table Cc) are then multiplied by the following values, which correspond to the following average annual rates of growth of per capita GDP over 20 or 30 years(i.e. from 1970 to 1990 or 2000 respectively):

Period:	Annual rate of growth of per capita GDP in per cent									
1970-	1	2	3	4	5	6	7	8	9	
-1990	.1990	.3960	.5912	.7844	.9758	1.1654	1.3532	1.5392	1.7236	
-2000	.2985	.5941	.8868	1.1766	1.4637	1.7481	2.0297	2.3088	2.5853	

The resulting alternative incremental vectors of change (and changes in the coordinates) are added- for each region separately- to the vector of input coefficients in the base year 1970. The results are alternative projections of input coefficients for 1990 and 2000 respectively. They are presented , for each sector any by regions, in Tables on pages 3- 10 of each section of this document.

The results have to be interpreted with caution; it is well known that the application of results of cross section analysis to projections of development in time is quite problematic. In the final choice among the projected alternatives other analytical methods should be used.

In all projections the interregional differences caused by other factors than differences in GDP per capita are kept intact. The projected changes in input coefficients are relatively small and thus somehow " conservative". They are related to relative changes in GDP per capita. They decrease in respect to absolute changes in GDP per capita and are therefore more pronounced for the developing regions than for the developed ones.

Summary of the regression analysis of the input coefficients for the UNIDO industries

(Values of the determination coefficients R^2 and frequencies of explanatory variables)

SIMV	UNIDO	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	No. eq.	y	a	d	
1.	01 Agriculture	-	.27	-	-	-	.13	-	-	.16	-	-	-	.14	.31	-	-	-	-	-	-	-	-	.26	6	3	2	2		
2.	02 Agri-food	.37	.16	-	-	.13	-	-	-	-	-	.91	-	-	-	-	.88	-	-	-	-	-	-	.13	6	3	3	2		
3.	03 Coal mining	.15	-	.20	-	.10	.20	-	-	.67	.17	.15	.79	.22	-	-	.12	.46	.12	-	-	-	.09	.80	-	14	5	10	2	
	04 Petroleum	-	-	-	-	.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-		
	05 Petroleum p.	-	-	-	-	-	.26	.20	.07	.11	-	-	-	-	-	-	-	-	-	-	-	.10	-	.44	.38	7	4	-	5	
	06 Electricity	.53	-	-	-	-	-	-	-	-	.37	.12	.31	-	-	-	-	-	-	-	-	.35	-	.16	.40	7	5	-	4	
4.	07 Metal ore	-	-	-	-	-	-	.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-		
	08 C. mining	-	-	.10	-	-	-	-	-	-	-	.12	-	-	-	-	-	-	-	-	-	.12	-	-	-	3	3	-	-	
	09 Paper	-	-	.19	-	.10	-	-	-	-	-	.28	-	.39	.16	.87	-	.40	-	.11	.42	.43	.30	.33	-	12	10	1	3	
	10 Chemicals	.14	-	-	-	-	.64	-	-	.32	-	.10	-	-	-	-	-	.11	.12	.67	-	-	-	-	-	7	3	1	3	
	11 Non metals	.26	.68	.89	.92	.56	-	.65	.49	-	.45	.10	.42	.40	.74	.79	.91	-	.71	.35	.78	-	-	.89	-	18	7	16	1	
	12 Metals	-	-	-	-	-	-	.07	-	-	-	-	-	-	-	-	-	.11	-	-	.11	.16	-	.16	-	5	4	1	-	
5.	13 Textiles	-	.12	-	-	-	-	-	-	-	.44	-	-	-	-	.10	-	.10	-	-	-	-	-	-	-	4	2	2	-	
	14 Apparel	-	.64	.10	-	-	-	-	.26	-	-	-	-	.11	.27	-	.11	-	-	-	-	-	-	-	-	6	3	2	1	
	15 Wood prod.	-	-	-	-	-	-	-	-	-	.12	.24	-	-	-	.47	-	-	-	-	-	-	-	-	-	3	1	1	1	
	16 Printing	.31	-	.16	-	.12	.21	.07	.10	.10	-	.31	.21	.22	-	.37	.16	.15	.35	.28	.44	.25	.19	.52	.38	20	20	1	1	
	17 Plast. rub.	-	.43	.64	.92	.63	-	.80	.76	-	.56	.65	.63	-	-	.19	-	-	.25	.16	.16	.54	-	.30	-	15	5	13	-	
	18 Metal prod.	.17	.11	-	-	.57	-	-	-	.12	.67	.63	-	-	.35	-	-	.45	.13	.35	.24	.25	.13	.12	-	14	9	5	5	
6.	19 Machinery	.18	.42	-	-	-	.10	-	-	.21	.29	.46	.25	-	-	.34	.63	.27	.11	-	.24	-	.25	.18	14	12	2	7		
	20 Transp. eq.	-	-	-	-	-	-	-	-	.10	.11	-	.30	-	-	.10	.12	-	-	.21	-	-	.15	.12	-	8	6	-	2	
7.	21 Construction	.27	.10	.17	-	-	.18	-	-	.20	.26	.70	-	.10	.24	-	.20	.89	-	.16	.50	-	-	.12	.11	15	15	2	-	
8.	22 Trade	.49	.29	-	-	-	-	-	-	.17	.20	-	-	.17	.15	-	.12	.36	-	-	-	-	.10	-	9	5	1	7		
	23 Transport	.19	-	.79	-	-	.12	.90	.57	.19	.26	.26	.22	.41	-	.27	.25	.74	.18	.11	.23	-	.12	.13	-	18	8	4	8	
	24 Services	.18	-	-	-	-	-	-	.15	.12	.19	-	.56	-	.10	-	-	.36	-	-	-	-	-	-	-	7	1	-	6	
Value added		.36	.13	-	.21	-	-	.41	-	-	-	.29	-	-	-	.17	-	.46	-	-	-	-	.30	-	.71	9	3	7	4	
No. of equations		13	11	.3	3	8	8	8	7	12	12	15	10	9	8	7	11	13	9	10	8	9	7	14	8	229				
Frequency of variables	y	11	6	8	-	4	5	6	2	7	8	6	6	6	2	4	7	8	5	7	5	5	6	10	6		140			
	p	7	5	3	3	4	1	4	4	2	3	9	3	2	3	3	3	8	3	2	2	2	1	3	1				75	
	d	4	8	-	-	1	3	1	1	4	5	4	3	2	3	1	1	4	3	1	2	3	-	2	3					62

Dependence of the input coefficients on the output mix.

	Agriculture		Agri-Food		Energy		Basic Products		Light Industry		Equipment Goods		Construction		Services	
1. Agriculture	X		X		X		0.030	0.21	0.002	0.32	X		X		X	
							0.528 89	1%	0.200 813	1%						
2. Agri-Food Processing	X		X		0.000	0.30	0.018	0.15	X		X		X		-0.001	0.14
					0.008 84	1%	-0.035 812	5%							0.189 824	5%
3. Energy	X		X		0.108	0.12	0.065	0.49	0.028	0.26	0.082	0.29	0.019	0.14	0.047	0.27
					0.352 83	10%	0.181 83	1%	-0.057 816	5%	-0.043 86	1%	-0.011 86	5%	-0.048 824	1%
4. Basic Products	0.01	0.13	-0.005	0.27	-0.006	0.22	-0.019	0.43	0.065	0.41	-0.085	0.32	0.192	0.41	-0.001	0.54
	0.125 89	5%	0.129 812	1%	0.071 86	1%	0.643 812	1%	0.153 818	1%	0.403 812	1%	-0.598 89	1%	0.043 89	1%
			0.062 87	5%			0.593 810	1%	-0.159 811	1%	0.321 810	1%	0.226 810	5%	0.014 823	1%
							0.283 87	5%	-0.126 812	5%	0.177 87	5%			0.019 812	5%
5. Light Industry	0.001	0.33	0.014	0.14	-0.001	0.41	0.074	0.47	0.278	0.15	0.124	0.33	0.058	0.28	0.028	0.17
	0.066 818	1%	0.070 818	5%	0.068 818	1%	-0.114 811	1%	-0.511 815	5%	-0.174 814	1%	0.241 818	1%	0.042 818	5%
					0.014 85	5%	-0.073 88	1%			-0.176 816	10%				
							-0.063 812	5%								
6. Equipment Goods Ind.	X		X		0.009	0.15	0.007	0.13	X		X		X		0.008	0.33
					0.047 83	5%	0.045 811	5%							0.047 823	1%
7. Construction	X		X		X		-0.015	0.23	X		X		X		-0.002	0.21
							0.044 87	1%							0.074 810	1%
8. Services	X		X		X		0.116	0.11	0.099	0.11	0.060	0.19	X		X	
							-0.175 823	10%	-0.127 84	1%	0.184 88	10%				
9. Value Added	X		X		X		0.667	0.14	0.725	0.44	0.367	0.17	X		X	
							0.184 84	5%	-0.470 812	1%	-0.462 810	1%				

The Classification Key between the SIMV Sectors, UNIDO Standardized Tables Industries and the 1968 International Standard Industrial Classification of All Economic Activities (ISIC).

SIMV Sectors	UNIDO Industries	1968 ISIC
1. Agriculture	1. Agriculture	Div. 1. Agriculture etc.
2. Agri- Food Processing	2. Food Products	311/2 Food Manufacturing
		313 Beverage Industries 314 Tobacco Manufactures
3. Energy	3. Coal Mining	210 Coal Mining
	4. Petroleum and Gas	220 Crude Petroleum and Nat. Gas
	5. Petroleum and Coal Prod.	353 Petroleum Refineries
		354 Products of Petroleum and Coal
6. Electricity, Gas and Water	410 Electricity, Gas and Steam	
	420 Water Works and Supply	
4. Basic Products	7. Metal Ore Mining	230 Metal Ore Mining
	8. Other Mining	290 Other Mining
	9. Paper and Paper Products	341 Paper and Paper Products
	10. Chemicals	351 Industrial Chemicals
		352 Other Chemical Products
	11. Non- Metallic Min. Products	361 Pottery, China, etc.
362 Glass and Glass Products		
369 Other Non- Metallic Min. Prod.		
12. Metals	371 Iron and Steel	
	372 Non- Ferrous Metals	
5. Light Industry	13. Textiles	321 Manufacture of Textiles
	14. Wearing Apparel	322 Wearing Apparel
		323 Leather and Leather Products
		324 Footwear
	15. Wood Products	331 Manufacture of Wood Products
		332 Furniture and Fixtures
16. Printing and Publishing	342 Printing and Publishing	
17. Plastic and Rubber Prod.	355 Rubber Products	
	356 Plastic Products	
	390 Other Industries	
18. Metal Products	381 Metal Products	
	382 Machinery	
6. Equipment Goods Industry	19. Machinery	383 Electrical Machinery
		385 Professional and Scientific
		384 Transport Equipment
20. Transport Equipment	384 Transport Equipment	
7. Construction	21. Construction	Div. 5. Construction
8. Services	22. Trade	Div. 6. Wholesale and Retail Trade
	23. Transport & Communication	Div. 7. Transport and Communication
	24. Other Services	Div. 8. Financing, Real Estate etc. Div. 9. Community and Private Serv.

REVIEW OF FAST RESULTS

Inputs from:	Regression analysis		
	October 1970	February 1980	
	y,p,d	industry composition	correlation coefficient ^{*)}
agriculture			
agri-food	y,d		.637
energy			.242
basic products	y	paper	.593
light industry	y	metal prod.	.322
equipment	y		.390
construction	y		.617
services	d,p		.26
value added	d,y		-.728

Factor analysis: Strong impact of the level of industrialization of agriculture, related to GDP per capita and reflected in the value added coefficient. Some influence of population density. Regions can be divided into four groups:

	poor	rich
extensive agric.	Latin Am. Trop. A.L.C.	North America
intensive agric.	Near East, Asia 1&2	Western Europe, Japan

Link between the factor analysis and the February 1980 regression coefficients established for the following coefficients: α_{21} , α_{31} , α_{v1}

^{*)} See Table Oc, last column

Table Oa : Technology vectors by regions

Inputs from:	Tropical Africa	Near East	Asia 1	Asia 2	Latin America	Western Europe	Japan	North America
1								
2	.0151	.0062	.0189	.0253	.0383	.1170	.0973	.0429
3	.0163	.0082	.0136	.0160	.0188	.0226	.0170	.0316
4	.0161	.0252	.0215	.0309	.0676	.0551	.0522	.0750
5	.0145	.0174	.0057	.0115	.0273	.0106	.0155	.0168
6	.0108	.0036	.0071	.0071	.0060	.0170	.0111	.0084
7	.0111	.0014	.0142	.0051	.0073	.0106	.0043	.0090
8	.0830	.0591	.0310	.0005	.0613	.0704	.0732	.2485
VA	.0648	.0593	.0270	.0342	.0900	.0950	.7281	.5695
Coordinates:								
X	.7120	.6134	.7810	.6682	.5242	.5285	.5624	.3831
Y	.0277	.0817	-.0182	.0117	.0673	-.0471	-.0372	.1537
Z	-.0785	-.0840	-.0280	-.0261	-.0305	-.0372	-.0471	-.2121

Table Ob: Eigenvectors of the factor analysis

Inputs from:	x	y	z
1			
2	-.0114	-.0207	-.0117
3	-.0135	-.0155	.0342
4	-.0623	-.0145	.0545
5	-.0117	.0114	.0100
6	-.0307	.0412	.0317
7	-.0147	-.0223	.0122
8	-.0275	.0702	-.0350
VA	.0611	-.0344	-.0001

Table Oc: Incremental technology vectors and regression coefficients

(10⁻⁴)

Inputs from:	Incremental vector: calculated	corrected	b(log GDF/c)
1			
2	40.3320	40.7320	.
3	4.7706	4.7706	4.2879
4	0.0910	1.0045	13.5861
5	1.0004	1.0000	2.8308
6	7.0110	7.0110	3.5449
7	7.0110	7.0110	3.4253
8	18.0001	18.0001	9.6228
VA	-11.4071	-11.4071	-91.6240
Coordinates			
dX	-11.4071	-11.4071	
dY	-10.7000	-10.7000	
dZ	1.0000	1.0000	

Projections of input coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/c									
	1	2	3	4	5	6	7	8	9	Y
1	.181	.172	.173	.194	.194	.194	.0225	.0235	.0295	.0295
2	.193	.185	.186	.187	.188	.189	.0144	.0150	.0151	.0151
3	.183	.177	.178	.179	.180	.181	.0074	.0075	.0077	.0077
4	.183	.177	.178	.179	.180	.181	.0066	.0067	.0067	.0067
5	.185	.175	.176	.177	.178	.179	.0080	.0084	.0084	.0084
6	.184	.176	.177	.178	.179	.180	.0014	.0015	.0015	.0015
7	.184	.176	.177	.178	.179	.180	.0860	.0863	.0866	.0866
8	.184	.176	.177	.178	.179	.180	.8520	.8503	.8486	.8486
VA	.184	.176	.177	.178	.179	.180	.6985	.6965	.6946	.6946
Coordi-	.184	.176	.177	.178	.179	.180	.0200	.0196	.0193	.0193
nates:	.184	.176	.177	.178	.179	.180	-.2783	-.2782	-.2782	-.2782
X	.184	.176	.177	.178	.179	.180	.6985	.6965	.6946	.6946
Y	.184	.176	.177	.178	.179	.180	.0200	.0196	.0193	.0193
Z	.184	.176	.177	.178	.179	.180	-.2783	-.2782	-.2782	-.2782
1	.181	.183	.184	.185	.186	.187	.0215	.0216	.0216	.0216
2	.183	.185	.186	.187	.188	.189	.0144	.0150	.0151	.0151
3	.183	.185	.186	.187	.188	.189	.0074	.0075	.0077	.0077
4	.183	.185	.186	.187	.188	.189	.0066	.0067	.0067	.0067
5	.185	.185	.186	.187	.188	.189	.0080	.0084	.0084	.0084
6	.184	.186	.187	.188	.189	.190	.0014	.0015	.0015	.0015
7	.184	.186	.187	.188	.189	.190	.0860	.0863	.0866	.0866
8	.184	.186	.187	.188	.189	.190	.8520	.8503	.8486	.8486
VA	.184	.186	.187	.188	.189	.190	.6985	.6965	.6946	.6946
Coordi-	.184	.186	.187	.188	.189	.190	.0200	.0196	.0193	.0193
nates:	.184	.186	.187	.188	.189	.190	-.2783	-.2782	-.2782	-.2782
X	.184	.186	.187	.188	.189	.190	.6985	.6965	.6946	.6946
Y	.184	.186	.187	.188	.189	.190	.0200	.0196	.0193	.0193
Z	.184	.186	.187	.188	.189	.190	-.2783	-.2782	-.2782	-.2782

R1: 1990
 R2: 2000
 C1: 1990
 C2: 2000
 M1: 1990
 M2: 2000
 M3: 1990
 M4: 2000

Projections of input coefficients for 1990 and 2000

Annual average rates of growth of GDP/c

Inputs from	1	2	3	4	5	6	7	8	9
1	.0189	.0130	.0131	.0132	.0142	.0152	.0163	.0173	.0183
2	.0186	.0136	.0134	.0139	.0141	.0142	.0142	.0143	.0144
3	.0215	.0214	.0221	.0223	.0225	.0227	.0229	.0230	.0232
4	.0157	.0157	.0158	.0158	.0158	.0158	.0158	.0159	.0159
5	.0171	.0172	.0173	.0173	.0174	.0175	.0175	.0176	.0176
6	.0162	.0163	.0163	.0164	.0164	.0165	.0165	.0166	.0166
7	.0113	.0116	.0114	.0123	.0126	.0129	.0132	.0135	.0138
8	.0204	.0100	.0172	.0154	.0137	.0114	.0102	.0105	.0106
VA	.0204	.0100	.0172	.0154	.0137	.0114	.0102	.0105	.0106
Coordi- nates:									
X	.7746	.7746	.7747	.7726	.7706	.7685	.7665	.7646	.7626
Y	-.0186	-.0190	-.0190	-.0197	-.0203	-.0215	-.0220	-.0212	-.0216
Z	-.0680	-.0680	-.0679	-.0674	-.0674	-.0678	-.0678	-.0676	-.0677
1	.0105	.0121	.0137	.0153	.0169	.0184	.0199	.0214	.0229
2	.0137	.0139	.0140	.0142	.0143	.0144	.0146	.0147	.0148
3	.0215	.0221	.0224	.0227	.0230	.0233	.0235	.0238	.0241
4	.0157	.0158	.0158	.0158	.0159	.0159	.0159	.0159	.0160
5	.0171	.0172	.0173	.0173	.0174	.0175	.0175	.0176	.0176
6	.0162	.0163	.0163	.0164	.0164	.0165	.0165	.0166	.0166
7	.0113	.0116	.0114	.0123	.0126	.0129	.0132	.0135	.0138
8	.0204	.0100	.0172	.0154	.0137	.0114	.0102	.0105	.0106
VA	.0204	.0100	.0172	.0154	.0137	.0114	.0102	.0105	.0106
Coordi- nates:									
X	.7770	.7746	.7715	.7684	.7654	.7623	.7593	.7564	.7534
Y	-.0186	-.0190	-.0190	-.0215	-.0211	-.0216	-.0222	-.0227	-.0233
Z	-.0680	-.0679	-.0679	-.0678	-.0678	-.0677	-.0677	-.0676	-.0676

Region: 0199
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Projections of input coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/c									
	1	2	3	4	5	6	7	8	9	0
1										
2	.0253	.0264	.0274	.0285	.0296	.0306	.0316	.0327	.0337	.0347
3	.0263	.0271	.0282	.0293	.0304	.0315	.0326	.0336	.0347	.0358
4	.0273	.0282	.0292	.0303	.0314	.0325	.0335	.0346	.0356	.0367
5	.0283	.0293	.0303	.0314	.0325	.0335	.0346	.0356	.0367	.0377
6	.0293	.0304	.0314	.0325	.0335	.0346	.0356	.0367	.0377	.0388
7	.0303	.0314	.0325	.0335	.0346	.0356	.0367	.0377	.0388	.0398
8	.0313	.0324	.0335	.0346	.0356	.0367	.0377	.0388	.0398	.0409
VA	.0323	.0334	.0345	.0356	.0367	.0377	.0388	.0398	.0409	.0419
Coordi- nates:										
X	.6882	.6891	.6901	.6910	.6919	.6928	.6937	.6946	.6955	.6964
Y	.0117	.0113	.0109	.0105	.0102	.0098	.0094	.0090	.0087	.0083
Z	-.2611	-.2611	-.2601	-.2600	-.2600	-.2599	-.2599	-.2599	-.2599	-.2599
1										
2	.0253	.0264	.0274	.0285	.0296	.0306	.0316	.0326	.0336	.0346
3	.0263	.0271	.0282	.0293	.0304	.0315	.0326	.0336	.0346	.0356
4	.0273	.0282	.0292	.0303	.0314	.0325	.0335	.0346	.0356	.0367
5	.0283	.0293	.0303	.0314	.0325	.0335	.0346	.0356	.0367	.0377
6	.0293	.0304	.0314	.0325	.0335	.0346	.0356	.0367	.0377	.0388
7	.0303	.0314	.0325	.0335	.0346	.0356	.0367	.0377	.0388	.0398
8	.0313	.0324	.0335	.0346	.0356	.0367	.0377	.0388	.0398	.0409
VA	.0323	.0334	.0345	.0356	.0367	.0377	.0388	.0398	.0409	.0419
Coordi- nates:										
X	.6882	.6891	.6901	.6910	.6919	.6928	.6937	.6946	.6955	.6964
Y	.0117	.0113	.0109	.0105	.0102	.0098	.0094	.0090	.0087	.0083
Z	-.2611	-.2611	-.2601	-.2600	-.2599	-.2599	-.2598	-.2598	-.2597	-.2597

Projections of input coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/c									
	1	2	3	4	5	6	7	8	9	Y
1	.0493	.0474	.0414	.0425	.0436	.0446	.0456	.0467	.0477	.0487
2	.0144	.0149	.0150	.0151	.0152	.0153	.0154	.0154	.0155	.0156
3	.0676	.0616	.0610	.0612	.0614	.0616	.0618	.0620	.0621	.0623
4	.0273	.0273	.0273	.0274	.0274	.0274	.0274	.0274	.0275	.0275
5	.0061	.0061	.0061	.0062	.0062	.0063	.0064	.0064	.0065	.0065
6	.0003	.0003	.0004	.0004	.0005	.0005	.0006	.0006	.0007	.0007
7	.1613	.1616	.1614	.1622	.1626	.1624	.1632	.1635	.1636	.1641
8	.6777	.6772	.6844	.6846	.6828	.6811	.6793	.6776	.6759	.6742
Coordi- nates:										
X	.5222	.5201	.5221	.5199	.5174	.5158	.5138	.5118	.5098	.5074
Y	.0673	.0649	.0665	.0661	.0657	.0653	.0650	.0646	.0642	.0634
Z	-.2305	-.2305	-.2305	-.2304	-.2304	-.2304	-.2303	-.2303	-.2303	-.2302
1										
2	.0493	.0409	.0425	.0441	.0457	.0473	.0488	.0503	.0518	.0533
3	.0144	.0149	.0151	.0152	.0154	.0155	.0156	.0158	.0159	.0160
4	.0676	.0614	.0612	.0615	.0618	.0621	.0624	.0626	.0629	.0632
5	.0273	.0273	.0274	.0274	.0274	.0275	.0275	.0275	.0275	.0276
6	.0061	.0061	.0062	.0063	.0064	.0065	.0065	.0066	.0067	.0068
7	.0003	.0004	.0004	.0005	.0006	.0006	.0007	.0008	.0008	.0009
8	.1613	.1614	.1623	.1627	.1632	.1636	.1641	.1645	.1650	.1654
9	.6777	.6673	.6846	.6614	.6792	.6766	.6740	.6714	.6688	.6663
Coordi- nates:										
X	.5222	.5231	.5194	.5168	.5137	.5106	.5076	.5046	.5016	.4987
Y	.0673	.0667	.0661	.0645	.0649	.0644	.0638	.0633	.0627	.0622
Z	-.2305	-.2305	-.2304	-.2304	-.2303	-.2303	-.2302	-.2302	-.2301	-.2301

REGION: Latin America
 COUNTRY: Argentina

Sector: Agriculture
Region: Western Europe

Projections of input coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/c								
	1	2	3	4	5	6	7	8	9
1	.1176	.1127	.1138	.1149	.1159	.1169	.1180	.1190	.1200
2	.1224	.1228	.1229	.1230	.1231	.1232	.1232	.1233	.1234
3	.0551	.0555	.0557	.0559	.0561	.0563	.0565	.0566	.0568
4	.0119	.0118	.0119	.0119	.0119	.0119	.0119	.0119	.0119
5	.0176	.0177	.0178	.0178	.0179	.0180	.0180	.0181	.0181
6	.0186	.0187	.0187	.0188	.0188	.0189	.0189	.0190	.0190
7	.0718	.0710	.0713	.0717	.0720	.0723	.0726	.0729	.0732
8	.6976	.6914	.6896	.6878	.6861	.6843	.6826	.6809	.6792
Coordinates:									
X	.5248	.5283	.5222	.5202	.5181	.5161	.5141	.5121	.5101
Y	-.0871	-.0879	-.0883	-.0887	-.0891	-.0894	-.0898	-.0902	-.0905
Z	-.2373	-.2371	-.2371	-.2371	-.2370	-.2370	-.2370	-.2369	-.2369
1	.1176	.1127	.1138	.1149	.1159	.1169	.1180	.1190	.1200
2	.1224	.1228	.1229	.1230	.1231	.1232	.1232	.1233	.1234
3	.0551	.0555	.0557	.0559	.0561	.0563	.0565	.0566	.0568
4	.0119	.0118	.0119	.0119	.0119	.0119	.0119	.0119	.0119
5	.0176	.0177	.0178	.0178	.0179	.0180	.0180	.0181	.0181
6	.0186	.0187	.0187	.0188	.0188	.0189	.0189	.0190	.0190
7	.0718	.0710	.0713	.0717	.0720	.0723	.0726	.0729	.0732
8	.6976	.6914	.6896	.6878	.6861	.6843	.6826	.6809	.6792
Coordinates:									
X	.5248	.5283	.5222	.5202	.5181	.5161	.5141	.5121	.5101
Y	-.0871	-.0877	-.0880	-.0884	-.0887	-.0890	-.0893	-.0896	-.0899
Z	-.2373	-.2371	-.2371	-.2371	-.2370	-.2370	-.2369	-.2369	-.2368

Region: Japan

Projections of input coefficients for 1990 and 2000

Inputs from	Annual average rates of Growth of GDP/c									
	1	2	3	4	5	6	7	8	9	10
1	.0973	.0984	.1005	.1036	.1026	.1036	.1047	.1057	.1067	.1067
2	.0173	.0172	.0173	.0174	.0175	.0176	.0176	.0177	.0178	.0178
3	.0502	.0516	.0518	.0530	.0512	.0514	.0516	.0517	.0517	.0517
4	.0185	.0185	.0186	.0186	.0186	.0186	.0186	.0186	.0187	.0187
5	.0111	.0112	.0113	.0113	.0114	.0115	.0115	.0116	.0116	.0116
6	.0083	.0084	.0084	.0085	.0085	.0086	.0086	.0087	.0087	.0087
7	.0732	.0738	.0741	.0745	.0748	.0751	.0754	.0757	.0760	.0760
8	.0201	.0205	.0227	.0209	.0202	.0214	.0217	.0219	.0223	.0223
VA	.5624	.5582	.5561	.5531	.5520	.5500	.5480	.5460	.5441	.5441
Coordi-	.0372	.0379	.0383	.0387	.0391	.0394	.0396	.0402	.0405	.0405
nates:	.0297	.0290	.0270	.0269	.0269	.0268	.0268	.0268	.0268	.0268
X	.0973	.0969	.1021	.1037	.1053	.1068	.1083	.1098	.1113	.1113
Y	.0173	.0173	.0174	.0176	.0177	.0178	.0180	.0181	.0182	.0182
Z	.0502	.0508	.0511	.0518	.0517	.0520	.0522	.0525	.0528	.0528
VA	.0185	.0186	.0186	.0186	.0187	.0187	.0187	.0187	.0187	.0188
Coordi-	.0111	.0117	.0114	.0115	.0116	.0116	.0117	.0118	.0119	.0119
nates:	.0083	.0084	.0085	.0086	.0086	.0087	.0088	.0088	.0089	.0089
X	.0732	.0737	.0740	.0745	.0751	.0760	.0764	.0769	.0773	.0773
Y	.0201	.0207	.0200	.0203	.0207	.0212	.0215	.0219	.0224	.0224
Z	.5624	.5561	.5530	.5499	.5468	.5438	.5408	.5378	.5349	.5349
VA	.0372	.0383	.0389	.0395	.0400	.0406	.0412	.0417	.0422	.0422
Coordi-	.0297	.0290	.0270	.0269	.0268	.0268	.0267	.0267	.0266	.0266

Projections of input coefficients for 1990 and 2000

Input's from	Annual average rates of growth of GDP/c								
	1	2	3	4	5	6	7	8	9
1	.0890	.1510	.0571	.0572	.0582	.0582	.0583	.0573	.0583
2	.0319	.0321	.0321	.0322	.0323	.0324	.0324	.0325	.0326
3	.0758	.0760	.0762	.0764	.0766	.0768	.0770	.0771	.0773
4	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
5	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
6	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
7	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
8	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
VA	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
Coordi- nates:									
X	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
Y	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
Z	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
1	.0890	.1510	.0571	.0572	.0582	.0582	.0583	.0573	.0583
2	.0319	.0321	.0321	.0322	.0323	.0324	.0324	.0325	.0326
3	.0758	.0760	.0762	.0764	.0766	.0768	.0770	.0771	.0773
4	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
5	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
6	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
7	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
8	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
VA	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
Coordi- nates:									
X	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
Y	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166
Z	.0148	.0148	.0145	.0145	.0145	.0145	.0145	.0146	.0166

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REVIEW OF PAST RESULTS

Inputs from:	Regression analysis		February 1980 correlation coefficient ^{*)}
	October 1970 y,p,d	industry composition	
agriculture	d,p		-.305
agri-food	p,d		.511
energy			.060
basic products		Metal ore, metals	.652
light industry	d	Metal products	.019
equipment	d		-.127
construction	p		.198
services	d	Transport	-.203
value added	d		.000

Factor analysis: Impact of the relation to agriculture, which is influenced by the output mix.

Link between the factor analysis and the February 1980 regression coefficients established for the following coefficients: a_{12} , a_{42} , a_{82}

*) See Table Oc, last column

Sector: Agri-food

Table 6a: Technology vectors by regions

Inputs from:	Tropical Africa	Near East	Asia 1	Asia 2	Latin America	Western Europe	Japan	North America
1	.3068	.3775	.4808	.3778	.3678	.3814	.3272	.3153
2	.0101	.0152	.0262	.0128	.0122	.0202	.0173	.0388
3	.0000	.0157	.0171	.0150	.0178	.0190	.0098	.0107
4	.0043	.0283	.0175	.0249	.0238	.0343	.0498	.0758
5	.0387	.0215	.0195	.0198	.0359	.0219	.0192	.0858
6	.0107	.0159	.0187	.0178	.0138	.0159	.0128	.0628
7	.0172	.0178	.0179	.0177	.0111	.0168	.0112	.0621
8	.0388	.0198	.0201	.0181	.0198	.0274	.0211	.0814
VA	.0101	.0157	.0262	.0128	.0122	.0202	.0173	.0388
Coord -								
rates:								
1	.0880	.0288	.0371	.0219	.0130	.0243	.0194	.0621
2	.0337	.0788	.0173	.0317	.0111	.0411	.0387	.0338
3	.0728	.0145	.0281	.0143	.0768	.0125	.0927	.0211

Table 6b: Eigenvectors of the factor analysis

Inputs from:	x	y	z
1	.0744	.0389	.0523
2	-.0119	.0292	-.0143
3	-.0119	.0178	-.0178
4	-.0211	.0174	.0325
5	-.0119	.0178	.0178
6	-.0119	.0178	.0178
7	-.0119	.0178	.0178
8	-.0119	.0178	.0178
VA	-.0119	.0178	.0178

Table 6c: Incremental technology vectors and regression coefficients

Inputs from:	Incremental vector:		b(log GDF/c.
	calculated	corrected	
1	-28.6381	-28.6381	-24.6388
2		27.8217	25.9224
3	7.0217	7.0217	.2606
4	0.6442	0.6442	9.5882
5	6.1505	6.1505	.2931
6	-.0778	-.0778	-1.3540
7	7.0217	7.0217	.7006
8	-11.7452	-11.7452	-10.7922
VA	78.0217	78.0217	.0138
Coordi-			
nates:			
dX	-11.7452	-11.7452	
dY	7.0217	7.0217	
dZ	-12.0217	-12.0217	

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of G1/zc									
	1	2	3	4	5	6	7	8	9	
1	.3728	.3723	.3726	.3723	.3719	.3714	.3709	.3705	.3700	.3696
2	.1120	.1113	.1117	.1112	.1116	.1121	.1125	.1130	.1134	.1138
4	.0150	.0150	.0150	.0150	.0150	.0150	.0150	.0150	.0150	.0150
5	.0380	.0371	.0373	.0375	.0377	.0378	.0380	.0382	.0384	.0386
6	.0196	.0196	.0196	.0196	.0196	.0196	.0196	.0196	.0196	.0197
7	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0037	.0036
8	.0011	.0008	.0008	.0009	.0009	.0010	.0010	.0011	.0011	.0012
9	.1381	.1309	.1307	.1305	.1303	.1300	.1300	.1300	.1300	.1302
Coordinates	.3000	.3000	.3000	.3000	.3000	.3000	.3000	.3000	.3000	.3000
10	.2199	.2206	.2205	.2201	.2196	.2193	.2190	.2187	.2184	.2181
11	.4317	.4415	.4313	.4311	.4319	.4306	.4304	.4302	.4300	.4298
12	.1187	.1180	.1176	.1172	.1169	.1165	.1162	.1158	.1155	.1151
13	.3731	.3731	.3723	.3736	.3719	.3702	.3695	.3686	.3681	.3674
14	.1120	.1125	.1112	.1119	.1126	.1132	.1139	.1146	.1152	.1159
15	.0150	.0150	.0150	.0150	.0150	.0150	.0150	.0151	.0151	.0151
16	.0380	.0372	.0375	.0378	.0380	.0383	.0386	.0388	.0391	.0394
17	.0196	.0196	.0196	.0196	.0196	.0196	.0197	.0197	.0197	.0197
18	.0037	.0037	.0037	.0037	.0037	.0037	.0036	.0036	.0036	.0035
19	.0011	.0008	.0009	.0010	.0011	.0011	.0012	.0013	.0014	.0014
20	.1381	.1309	.1305	.1301	.1308	.1305	.1302	.1300	.1300	.1300
Coordinates	.3000	.3000	.3000	.3000	.3000	.3000	.3000	.3000	.3000	.3000
21	.2199	.2214	.2210	.2195	.2190	.2185	.2180	.2176	.2171	.2166
22	.4317	.4314	.4311	.4317	.4310	.4311	.4298	.4294	.4291	.4286
23	.1187	.1172	.1172	.1167	.1161	.1156	.1151	.1146	.1140	.1135

REGION: Asia 2
 SECTOR: AGRI-FOOD

Sector: Agri-food

Region: Latin America

Projections of Input Coefficients for 1990 and 2000

Inputs Coefficients	Regional Average Rates of Growth of 1970									
	1	2	3	4	5	6	7	8	9	10
1	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
3	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
4	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
5	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
6	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
7	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
8	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
9	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
10	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000

Coords -
Rates

Sector: Agri-food

Region: North America

Projections of Input Coefficients for 1990 and 2000

Input's Code	Annual Average Rates of Growth of GDI/c								
	1	2	3	4	5	6	7	8	9
1	.3163	.3183	.3178	.3134	.3129	.3124	.3120	.3115	.3111
2	.3171	.3175	.3180	.3184	.3189	.3193	.3198	.3102	.3106
3	.3177	.3172	.3177	.3177	.3177	.3177	.3177	.3177	.3177
4	.3174	.3162	.3174	.3166	.3167	.3169	.3171	.3173	.3175
5	.3185	.3185	.3180	.3185	.3185	.3185	.3185	.3185	.3185
6	.3128	.3128	.3127	.3127	.3127	.3127	.3127	.3127	.3127
7	.3122	.3122	.3123	.3123	.3124	.3124	.3125	.3125	.3126
8	.3112	.3110	.3108	.3106	.3103	.3101	.3099	.3097	.3095
9	.3111	.3111	.3111	.3111	.3111	.3111	.3111	.3111	.3111
Coordi- nates:									
X	.3137	.3114	.3111	.3107	.3104	.3101	.3098	.3095	.3092
Y	.3133	.3131	.3139	.3127	.3125	.3123	.3120	.3118	.3116
Z	.3128	.3129	.3124	.3119	.3113	.3108	.3103	.3098	.3093
1	.3116	.3124	.3131	.3124	.3117	.3110	.3103	.3096	.3084
2	.3123	.3124	.3124	.3124	.3124	.3124	.3124	.3124	.3124
3	.3127	.3127	.3127	.3127	.3127	.3127	.3127	.3127	.3127
4	.3121	.3124	.3127	.3124	.3122	.3120	.3118	.3116	.3114
5	.3125	.3125	.3125	.3125	.3125	.3125	.3125	.3125	.3125
6	.3128	.3127	.3127	.3127	.3127	.3127	.3127	.3127	.3127
7	.3122	.3123	.3124	.3124	.3125	.3126	.3127	.3128	.3129
8	.3111	.3108	.3104	.3101	.3098	.3095	.3092	.3089	.3086
9	.3110	.3110	.3110	.3110	.3110	.3110	.3110	.3110	.3110
Coordi- nates:									
X	.3116	.3111	.3106	.3101	.3096	.3091	.3086	.3081	.3076
Y	.3112	.3114	.3119	.3112	.3109	.3106	.3103	.3100	.3097
Z	.3108	.3109	.3104	.3099	.3093	.3088	.3083	.3078	.3073

IV-1

Sector: Basic products

REVIEW OF PAST RESULTS

Inputs from:	Regression analysis		
	October 1970	February 1980	
	y,p,d	industry composition	correlation coefficient ^{*)}
agriculture		paper	-.387
agri-food	y,d	metals	-.282
energy		coal,electricity	-.074
basic products	y	metal ore, metals, chemicals	.523
light industry	p	oth. mining, metals apparel	.068
equipment	a	non- metals	-.039
construction	p	metal ore, chemicals	.187
services	d	oth. mining	-.350
value added	y	chemicals, metals	-.290

Factor analysis: Impact of the degree of processing of basic products, which is related to GDP per capita and influenced by resource availability.

Link between the factor analysis and the February 1980 regression coefficients established for the following coefficients: a_{24} , a_{v4}

*) See Table Oc, last column

Table 2a: Technology vectors by regions

Inputs from:	Tropical Africa	Near East	Asia 1	Asia 2	Latin America	Western Europe	Japan	North America
1	.0113	.0035	.0634	.0186	.0662	.0090	.0101	.0003
2	.0120	.0085	.0537	.0089	.0076	.0059	.0028	.0034
3	.0654	.0527	.0811	.0536	.0411	.0674	.0620	.0423
4	.2000	.2699	.2021	.3494	.2726	.3561	.4746	.3300
5	.0276	.0244	.0448	.0276	.0300	.0324	.0203	.0372
6	.0099	.0068	.0093	.0076	.0096	.0129	.0137	.0203
7	.0177	.0025	.0397	.0010		.0300	.0015	.0044
8	.1457	.1912	.1975	.1328	.1535	.1687	.1306	.1567
9	.5190	.4400	.3100	.4676	.4788	.3771	.2638	.4050
Coord -								
ates:								
X	.4405	.3598	.2366	.3470	.4086	.3267	.2307	.3386
Y	.2948	.3167	.2801	.2510	.2935	.2182	.2103	.2739
Z	-.0311	-.0221	-.0093	-.0259	-.0182	-.0189	-.0189	-.0074

Table 2b: Eigenvectors of the factor analysis

Inputs from:	x	y	z
1	.0613	-.0150	-.1056
2	-.0056	.0007	.0137
3	.0131	-.0376	-.2424
4			
5	.0888	.0008	.0436
6	.0156	.0256	-.1539
7	-.0060	-.0053	-.0973
8	-.3107	.0490	.0169
9	.0461	.3117	-.0775

Table 2c: Incremental technology vectors and regression coefficients

Inputs from:	Incremental vector:		b (log GDP/c)
	calculated	corrected	
1	-5.3331	-5.3331	-5.3331
2	.7845	.7845	-2.4909
3	-12.2253	1.8608	-1.8808
4		58.6031	58.6031
5	51.1957	.5692	1.2892
6	-9.5094	.7219	-.7219
7	-5.1285	-5.1285	2.5853
8	-24.2270	-28.2270	-28.2267
9	-23.4709	-23.5709	-23.8709
Coordi-			
nates			
dX	-9.5573	-13.7069	
dY	-33.8595	-34.1706	
dZ	55.1816	2.4143	

Sector: Basic Products

Region: Tropical Africa

Projections of input coefficients for 1960 and 1965

Inputs from	Annual average rates of growth of GDI/c									
	0	1	2	3	4	5	6	7	8	9
1	-.0113	-.0112	-.0111	-.0110	-.0109	-.0108	-.0107	-.0106	-.0105	-.0104
2	-.0120	-.0120	-.0120	-.0120	-.0121	-.0121	-.0121	-.0121	-.0121	-.0121
3	-.0654	-.0654	-.0655	-.0655	-.0655	-.0656	-.0656	-.0657	-.0657	-.0657
4	-.2000	-.2012	-.2023	-.2035	-.2046	-.2057	-.2068	-.2074	-.2090	-.2101
5	-.0276	-.0276	-.0276	-.0276	-.0276	-.0277	-.0277	-.0277	-.0277	-.0277
6	-.0099	-.0099	-.0099	-.0099	-.0100	-.0100	-.0100	-.0100	-.0100	-.0100
7	-.0177	-.0176	-.0175	-.0174	-.0173	-.0172	-.0171	-.0170	-.0169	-.0168
8	-.1457	-.1451	-.1446	-.1440	-.1435	-.1429	-.1424	-.1419	-.1414	-.1408
VA	-.5100	-.5095	-.5091	-.5086	-.5081	-.5077	-.5072	-.5068	-.5063	-.5059
Coordi- nates:										
Y	-.4405	-.4403	-.4400	-.4397	-.4395	-.4392	-.4389	-.4387	-.4384	-.4382
X	-.2948	-.2941	-.2934	-.2928	-.2921	-.2915	-.2908	-.2902	-.2895	-.2889
Z	-.0311	-.0311	-.0310	-.0310	-.0309	-.0309	-.0308	-.0308	-.0308	-.0307
1	-.0113	-.0111	-.0110	-.0108	-.0107	-.0105	-.0104	-.0102	-.0101	-.0099
2	-.0120	-.0120	-.0120	-.0121	-.0121	-.0121	-.0121	-.0122	-.0122	-.0122
3	-.0654	-.0655	-.0655	-.0656	-.0656	-.0657	-.0657	-.0658	-.0658	-.0659
4	-.2000	-.2017	-.2035	-.2052	-.2069	-.2086	-.2102	-.2119	-.2135	-.2152
5	-.0276	-.0276	-.0276	-.0277	-.0277	-.0277	-.0277	-.0277	-.0277	-.0277
6	-.0099	-.0099	-.0099	-.0100	-.0100	-.0100	-.0100	-.0100	-.0101	-.0101
7	-.0177	-.0175	-.0174	-.0172	-.0171	-.0169	-.0168	-.0167	-.0165	-.0164
8	-.1457	-.1449	-.1440	-.1432	-.1424	-.1416	-.1408	-.1400	-.1392	-.1384
VA	-.5100	-.5093	-.5086	-.5079	-.5072	-.5065	-.5058	-.5052	-.5045	-.5038
Coordi- nates:										
Y	-.4405	-.4401	-.4397	-.4393	-.4389	-.4385	-.4381	-.4377	-.4374	-.4370
X	-.2948	-.2938	-.2928	-.2918	-.2908	-.2898	-.2888	-.2879	-.2869	-.2860
Z	-.0311	-.0311	-.0310	-.0309	-.0308	-.0308	-.0307	-.0306	-.0306	-.0305

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GNP/o									
	0	1	2	3	4	5	6	7	8	9
1	.0035	.0034	.0033	.0032	.0031	.0030	.0029	.0028	.0027	.0026
2	.0085	.0085	.0085	.0085	.0086	.0086	.0086	.0086	.0086	.0086
3	.0527	.0527	.0528	.0528	.0528	.0529	.0529	.0530	.0530	.0530
4	.2699	.2711	.2722	.2734	.2745	.2756	.2767	.2778	.2789	.2800
5	.0244	.0244	.0244	.0244	.0244	.0245	.0245	.0245	.0245	.0245
6	.0068	.0068	.0068	.0068	.0069	.0069	.0069	.0069	.0069	.0069
7	.0025	.0024	.0023	.0022	.0021	.0020	.0019	.0018	.0017	.0016
8	.1912	.1906	.1901	.1895	.1890	.1884	.1879	.1874	.1869	.1863
9	.4400	.4395	.4391	.4386	.4381	.4377	.4372	.4368	.4363	.4359
Coordinates:										
X	.3598	.3595	.3592	.3590	.3587	.3584	.3582	.3579	.3577	.3574
Y	.3167	.3161	.3154	.3147	.3141	.3134	.3128	.3121	.3115	.3109
Z	-.0221	-.0221	-.0220	-.0220	-.0220	-.0219	-.0219	-.0218	-.0218	-.0217
1	.0035	.0033	.0032	.0031	.0029	.0027	.0026	.0024	.0023	.0021
2	.0085	.0085	.0085	.0086	.0086	.0086	.0086	.0087	.0087	.0087
3	.0527	.0528	.0528	.0529	.0529	.0530	.0530	.0531	.0531	.0532
4	.2699	.2716	.2734	.2751	.2768	.2785	.2801	.2818	.2834	.2851
5	.0244	.0244	.0244	.0245	.0245	.0245	.0245	.0245	.0245	.0245
6	.0068	.0068	.0068	.0069	.0069	.0069	.0069	.0069	.0070	.0070
7	.0025	.0023	.0022	.0020	.0019	.0017	.0016	.0015	.0013	.0012
8	.1912	.1904	.1895	.1887	.1879	.1871	.1863	.1855	.1847	.1839
9	.4400	.4393	.4386	.4379	.4372	.4365	.4358	.4352	.4345	.4338
Coordinates:										
X	.3598	.3594	.3589	.3585	.3582	.3578	.3574	.3570	.3566	.3562
Y	.3167	.3157	.3147	.3137	.3127	.3117	.3108	.3098	.3089	.3079
Z	-.0221	-.0221	-.0220	-.0219	-.0219	-.0218	-.0218	-.0216	-.0216	-.0215

Region: Near East
Sector: Basic Products

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/c									
	0	1	2	3	4	5	6	7	8	9
1	.0633	.0632	.0631	.0630	.0629	.0628	.0627	.0626	.0625	
2	.0537	.0537	.0537	.0536	.0536	.0536	.0536	.0536	.0536	
3	.0811	.0812	.0812	.0812	.0813	.0813	.0814	.0814	.0814	
4	.2011	.2026	.2036	.2047	.2058	.2069	.2080	.2091	.2102	
5	.0448	.0448	.0448	.0448	.0449	.0449	.0449	.0449	.0449	
6	.0093	.0093	.0093	.0094	.0094	.0094	.0094	.0094	.0094	
7	.0397	.0395	.0394	.0393	.0392	.0391	.0390	.0389	.0388	
8	.1975	.1969	.1958	.1953	.1947	.1942	.1937	.1932	.1926	
9	.3100	.3095	.3086	.3081	.3077	.3072	.3068	.3063	.3059	
10	.2366	.2361	.2358	.2356	.2353	.2350	.2348	.2345	.2343	
11	.2801	.2788	.2781	.2775	.2768	.2762	.2755	.2748	.2743	
12	-.0093	-.0092	-.0092	-.0091	-.0091	-.0090	-.0090	-.0089	-.0089	
13	.0632	.0631	.0629	.0628	.0626	.0625	.0623	.0622	.0620	
14	.0537	.0537	.0536	.0536	.0536	.0536	.0536	.0536	.0536	
15	.0811	.0812	.0813	.0813	.0814	.0814	.0815	.0815	.0816	
16	.2011	.2016	.2036	.2053	.2087	.2103	.2120	.2136	.2153	
17	.0448	.0448	.0448	.0449	.0449	.0449	.0449	.0449	.0449	
18	.0093	.0093	.0094	.0094	.0094	.0094	.0094	.0095	.0095	
19	.0397	.0394	.0392	.0391	.0389	.0388	.0387	.0385	.0384	
20	.1975	.1958	.1950	.1942	.1934	.1926	.1918	.1910	.1902	
21	.3100	.3093	.3086	.3079	.3065	.3058	.3052	.3045	.3038	
22	.2366	.2362	.2358	.2354	.2346	.2342	.2339	.2335	.2331	
23	.2801	.2791	.2781	.2761	.2751	.2742	.2732	.2723	.2713	
24	-.0093	-.0092	-.0092	-.0091	-.0090	-.0089	-.0088	-.0088	-.0087	

Notes:

Coordinates

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/o									
	0	1	2	3	4	5	6	7	8	9
1	.0180	.0179	.0178	.0177	.0176	.0175	.0174	.0173	.0172	.0171
2	.0089	.0089	.0089	.0089	.0090	.0090	.0090	.0090	.0090	.0090
3	.0536	.0536	.0537	.0537	.0537	.0538	.0538	.0539	.0539	.0539
4	.3494	.3506	.3517	.3529	.3540	.3551	.3562	.3573	.3584	.3595
5	.0206	.0206	.0206	.0206	.0206	.0207	.0207	.0207	.0207	.0207
6	.0076	.0076	.0076	.0076	.0077	.0077	.0077	.0077	.0077	.0077
7	.0010	.0009	.0008	.0007	.0006	.0005	.0004	.0003	.0002	.0001
8	.1328	.1322	.1317	.1311	.1306	.1300	.1295	.1290	.1285	.1279
9	.4076	.4071	.4067	.4062	.4057	.4053	.4048	.4044	.4039	.4035
Coordinates:										
X	.3470	.3467	.3464	.3462	.3459	.3456	.3454	.3451	.3449	.3446
Y	.2510	.2503	.2497	.2490	.2483	.2477	.2470	.2464	.2457	.2451
Z	-.0259	-.0259	-.0258	-.0258	-.0257	-.0257	-.0256	-.0256	-.0256	-.0255
1	.0180	.0178	.0177	.0175	.0174	.0172	.0171	.0169	.0168	.0166
2	.0089	.0089	.0089	.0090	.0090	.0090	.0090	.0091	.0091	.0091
3	.0536	.0537	.0537	.0538	.0538	.0539	.0539	.0540	.0540	.0541
4	.3494	.3513	.3529	.3546	.3563	.3580	.3596	.3613	.3629	.3646
5	.0206	.0206	.0206	.0207	.0207	.0207	.0207	.0207	.0207	.0207
6	.0076	.0076	.0076	.0077	.0077	.0077	.0077	.0077	.0078	.0078
7	.0010	.0008	.0007	.0005	.0004	.0002	.0001	-.0000	-.0002	-.0003
8	.1328	.1320	.1311	.1303	.1295	.1287	.1279	.1271	.1263	.1255
9	.4076	.4069	.4062	.4055	.4048	.4041	.4034	.4028	.4021	.4014
Coordinates:										
X	.3470	.3466	.3462	.3458	.3454	.3450	.3446	.3442	.3438	.3434
Y	.2510	.2500	.2490	.2480	.2470	.2460	.2450	.2441	.2431	.2422
Z	-.0259	-.0259	-.0258	-.0257	-.0256	-.0256	-.0255	-.0254	-.0254	-.0253

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/c									
	0	1	2	3	4	5	6	7	8	9
1	.0062	.0061	.0060	.0059	.0058	.0057	.0056	.0055	.0054	.0053
2	.0076	.0076	.0076	.0077	.0077	.0077	.0077	.0077	.0078	.0078
3	.0411	.0411	.0412	.0412	.0412	.0413	.0413	.0414	.0415	.0416
4	.2726	.2738	.2749	.2761	.2772	.2783	.2794	.2805	.2816	.2827
5	.0300	.0300	.0300	.0300	.0300	.0301	.0301	.0301	.0301	.0301
6	.0096	.0096	.0096	.0096	.0097	.0097	.0097	.0097	.0098	.0098
7	.1535	.1529	.1524	.1518	.1513	.1507	.1502	.1497	.1492	.1486
8	.0788	.0783	.0779	.0774	.0769	.0765	.0760	.0756	.0751	.0747
9	.0086	.0083	.0081	.0078	.0075	.0073	.0070	.0067	.0065	.0062
10	.2935	.2929	.2922	.2915	.2909	.2902	.2896	.2889	.2883	.2877
11	.0182	.0181	.0181	.0180	.0180	.0179	.0179	.0178	.0178	.0178
12	.0062	.0060	.0059	.0057	.0056	.0054	.0053	.0051	.0050	.0048
13	.0076	.0076	.0076	.0077	.0077	.0077	.0077	.0078	.0078	.0078
14	.0411	.0412	.0412	.0413	.0413	.0414	.0414	.0415	.0415	.0416
15	.2726	.2743	.2761	.2778	.2795	.2812	.2828	.2845	.2861	.2878
16	.0300	.0300	.0300	.0301	.0301	.0301	.0301	.0301	.0301	.0301
17	.0096	.0096	.0076	.0097	.0097	.0097	.0097	.0097	.0098	.0098
18	.1535	.1527	.1518	.1510	.1502	.1494	.1486	.1478	.1470	.1462
19	.0788	.0783	.0774	.0767	.0760	.0753	.0746	.0740	.0733	.0726
20	.0086	.0082	.0078	.0074	.0070	.0066	.0062	.0058	.0054	.0051
21	.2935	.2925	.2915	.2905	.2895	.2885	.2876	.2866	.2857	.2847
22	.0182	.0181	.0180	.0179	.0179	.0178	.0178	.0177	.0176	.0175

Coordi-
nates:

Coordi-
nates

Projections of Input Coefficients for 1990 and 2000

Inputs from	0	1	2	3	4	5	6	7	8	9
1	.0090	.0049	.0088	.0087	.0086	.0085	.0084	.0083	.0082	.0081
2	.0059	.0059	.0059	.0059	.0060	.0060	.0060	.0060	.0060	.0060
3	.0674	.0674	.0675	.0675	.0675	.0676	.0676	.0677	.0677	.0677
4	.3561	.3573	.3584	.3596	.3607	.3618	.3629	.3640	.3651	.3662
5	.0324	.0324	.0324	.0324	.0324	.0325	.0325	.0325	.0325	.0325
6	.0129	.0129	.0129	.0129	.0130	.0130	.0130	.0130	.0130	.0130
7	.0300	.0299	.0298	.0297	.0296	.0295	.0294	.0293	.0292	.0291
8	.1087	.1081	.1076	.1070	.1065	.1059	.1054	.1049	.1044	.1039
9	.3771	.3764	.3762	.3757	.3752	.3748	.3743	.3739	.3734	.3729
Coordinates:										
X	.3267	.3265	.3262	.3259	.3257	.3254	.3251	.3249	.3246	.3244
Y	.2182	.2175	.2169	.2162	.2155	.2149	.2142	.2135	.2130	.2123
Z	-.0189	-.0189	-.0188	-.0188	-.0187	-.0187	-.0186	-.0186	-.0185	-.0185
1	.0090	.0088	.0087	.0085	.0084	.0082	.0081	.0079	.0078	.0076
2	.0059	.0059	.0059	.0060	.0060	.0060	.0060	.0061	.0061	.0061
3	.0674	.0675	.0675	.0676	.0676	.0677	.0677	.0678	.0678	.0679
4	.3561	.3578	.3596	.3613	.3630	.3647	.3663	.3680	.3696	.3713
5	.0324	.0324	.0324	.0325	.0325	.0325	.0325	.0325	.0325	.0325
6	.0129	.0129	.0129	.0130	.0130	.0130	.0130	.0130	.0131	.0131
7	.0300	.0298	.0297	.0295	.0294	.0292	.0291	.0290	.0288	.0287
8	.1087	.1079	.1070	.1062	.1054	.1046	.1038	.1030	.1022	.1014
9	.3771	.3764	.3757	.3750	.3743	.3736	.3729	.3723	.3716	.3709
Coordinates:										
X	.3263	.3263	.3259	.3255	.3251	.3247	.3244	.3240	.3236	.3232
Y	.2182	.2172	.2162	.2152	.2142	.2132	.2123	.2113	.2103	.2094
Z	-.0189	-.0188	-.0188	-.0187	-.0186	-.0186	-.0185	-.0184	-.0184	-.0183

Region: Western Europe
 Product: Basic Products

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/c									
	0	1	2	3	4	5	6	7	8	9
1	.0101	.0100	.0099	.0098	.0097	.0096	.0095	.0094	.0093	.0092
2	.0028	.0028	.0028	.0028	.0029	.0029	.0029	.0029	.0029	.0029
3	.0620	.0620	.0621	.0621	.0621	.0622	.0622	.0623	.0623	.0623
4	.4748	.4760	.4771	.4783	.4794	.4805	.4816	.4827	.4838	.4849
5	.0203	.0203	.0203	.0203	.0203	.0204	.0204	.0204	.0204	.0204
6	.0137	.0137	.0137	.0137	.0138	.0138	.0138	.0138	.0138	.0138
7	.0015	.0014	.0012	.0012	.0011	.0010	.0009	.0008	.0007	.0006
8	.1306	.1300	.1295	.1289	.1284	.1278	.1273	.1268	.1263	.1257
9	.2838	.2833	.2829	.2824	.2819	.2815	.2810	.2806	.2801	.2797
Coordinates:										
X	.2307	.2305	.2302	.2299	.2297	.2294	.2291	.2289	.2286	.2284
Y	.2103	.2096	.2089	.2083	.2076	.2069	.2063	.2056	.2050	.2044
Z	-.0189	-.0189	-.0188	-.0188	-.0187	-.0187	-.0186	-.0186	-.0186	-.0185
1	.0101	.0099	.0098	.0096	.0095	.0093	.0092	.0090	.0089	.0087
2	.0028	.0028	.0028	.0029	.0029	.0029	.0029	.0030	.0030	.0030
3	.0620	.0621	.0621	.0622	.0622	.0623	.0623	.0624	.0624	.0625
4	.4748	.4765	.4783	.4800	.4817	.4834	.4850	.4867	.4883	.4900
5	.0203	.0203	.0203	.0204	.0204	.0204	.0204	.0204	.0204	.0204
6	.0137	.0137	.0137	.0138	.0138	.0138	.0138	.0138	.0139	.0139
7	.0015	.0013	.0012	.0010	.0009	.0007	.0006	.0005	.0003	.0002
8	.1306	.1298	.1289	.1281	.1273	.1265	.1257	.1249	.1241	.1233
9	.2838	.2831	.2824	.2817	.2810	.2803	.2796	.2790	.2783	.2776
Coordinates:										
X	.2307	.2303	.2299	.2295	.2291	.2287	.2283	.2279	.2276	.2272
Y	.2103	.2093	.2082	.2072	.2063	.2053	.2043	.2033	.2024	.2014
Z	-.0189	-.0189	-.0188	-.0187	-.0186	-.0186	-.0185	-.0184	-.0184	-.0183

1-9

REGION: JAPAN
SECTION: BASIC PRODUCTS

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/c									
	0	1	2	3	4	5	6	7	8	9
1	.0003	.0002	.0001	-.0000	-.0001	-.0002	-.0003	-.0004	-.0005	-.0006
2	.0034	.0034	.0034	.0034	.0035	.0035	.0035	.0035	.0035	.0035
3	.0423	.0423	.0424	.0424	.0424	.0425	.0425	.0426	.0426	.0426
4	.3300	.3312	.3323	.3335	.3346	.3357	.3368	.3379	.3390	.3401
5	.0372	.0372	.0372	.0372	.0372	.0373	.0373	.0373	.0373	.0373
6	.0203	.0203	.0203	.0203	.0204	.0204	.0204	.0204	.0204	.0204
7	.0044	.0043	.0042	.0041	.0040	.0039	.0038	.0037	.0036	.0035
8	.1567	.1561	.1556	.1550	.1545	.1539	.1534	.1529	.1524	.1518
9	.4050	.4045	.4041	.4036	.4031	.4027	.4022	.4018	.4013	.4009
Coordi- nates:										
X	.3386	.3383	.3381	.3378	.3375	.3373	.3370	.3367	.3365	.3362
Y	.2739	.2732	.2725	.2719	.2712	.2705	.2699	.2692	.2686	.2680
Z	-.0074	-.0074	-.0073	-.0073	-.0072	-.0072	-.0071	-.0071	-.0070	-.0070
1	.0003	.0001	-.0000	-.0002	-.0003	-.0005	-.0006	-.0008	-.0009	-.0011
2	.0034	.0034	.0034	.0035	.0035	.0035	.0035	.0036	.0036	.0036
3	.0423	.0424	.0424	.0425	.0425	.0426	.0426	.0427	.0427	.0428
4	.3300	.3317	.3335	.3352	.3369	.3386	.3402	.3419	.3435	.3452
5	.0372	.0372	.0372	.0373	.0373	.0373	.0373	.0373	.0373	.0373
6	.0203	.0203	.0203	.0204	.0204	.0204	.0204	.0204	.0205	.0205
7	.0044	.0042	.0041	.0039	.0038	.0036	.0035	.0034	.0032	.0031
8	.1567	.1559	.1550	.1542	.1534	.1526	.1518	.1510	.1502	.1494
9	.4050	.4043	.4036	.4029	.4022	.4015	.4008	.4002	.3995	.3988
Coordi- nates										
X	.3386	.3382	.3378	.3374	.3370	.3366	.3362	.3358	.3354	.3351
Y	.2739	.2729	.2718	.2708	.2699	.2689	.2679	.2669	.2660	.2650
Z	-.0074	-.0073	-.0073	-.0072	-.0071	-.0071	-.0070	-.0069	-.0069	-.0068

7-

SECTOR: Light industry

REVIEW OF PAST RESULTS

Inputs from:	Regression analysis		
	October 1970	February 1980	
	y.p.d	industry composition	correlation coefficient*
agriculture	y	textiles	-.278
agro-food			-.169
energy		apparel, printing	-.365
basic products	y	chemical, metals, metal prod.	.607
light industry		wood products	.143
equipment	y		.187
construction	P.V		.378
services	d	plastic, rubber	-.278
value added		wood products	.048

Factor analysis: Impact of relative importance of textiles and/ or metal products

Link between the factor analysis and the February 1980 regression coefficients established for the following coefficients: a_{15} , a_{45} , a_{85}

*) See Table Oc, last column

Table Ca : Technology vectors by regions

Inputs from:	Tropical Africa	Near East	Asia 1	Asia 2	Latin America	Western Europe	Japan	North America
1	.1322	.0360	.2218	.0991	.0440	.0351	.0848	.0165
2	.0122	.0115	.0244	.0032	.0101	.0051	.0036	.0031
3	.0219	.0141	.0205	.0124	.0194	.0199	.0135	.0096
4	.0292	.0400	.0598	.1005	.1370	.1565	.1900	.1884
5	.2238	.3092	.1495	.3080	.2305	.2445	.2043	.2282
6	.0134	.0020	.0051	.0064	.0053	.0160	.0059	.0199
7	.0036	.0023	.0075	.0005	.0003	.0111	.0013	.0019
8	.1623	.3147	.1150	.1244	.1879	.0857	.1477	.1235
VA	.4100	.2700	.3960	.3500	.3649	.4256	.3485	.4086
Coord -								
ates:								
X	-.0774	-.0078	-.0334	-.1000	-.1247	-.2099	-.1128	-.2037
Y	.0403	.2217	-.0528	.0212	.0953	.0105	.0331	.0484
Z	.3247	.2073	.3106	.2145	.1943	.2065	.1549	.1722

Table Cb: Eigenvectors of the factor analysis

Inputs from:	x	y	z
1	.6978	-.5478	.2997
2	-.0078	.0113	.0260
3	-.0243	-.0018	.0884
4	-.1844	-.1396	-.6569
5			
6	-.0079	.0225	-.0286
7	-.0103	-.0225	.0033
8	.4026	.8233	.1255
VA	-.5623	-.0450	.6733

Table Cc: Incremental technology vectors and regression coefficients

Inputs from:	Incremental vector:		b (log GDP/c)
	calculated	corrected	
1	-28.4357	-28.4357	-28.4357
2	-.9629	-.9629	-2.2163
3	-3.2833	-3.2833	-4.2156
4	32.9010	32.9010	32.9009
5		10.3240	10.3257
6	1.3992	1.3992	1.9999
7	.1164	.1164	1.6697
8	-15.5057	-15.5057	-15.5057
VA	-16.3322	3.4470	3.4470
Coordi-			
nates			
dX	-22.8941	-34.0156	
dY	-1.9229	-1.9120	
dZ	-43.4350	-30.1167	

(10⁻⁴)

Projections of input coefficients for 1990 and 2000

Figure from	Annual average rates of growth of GDI/c									
	0	1	2	3	4	5	6	7	8	9
1	.1322	.1316	.1311	.1305	.1300	.1294	.1289	.1284	.1278	.1273
2	.0122	.0122	.0122	.0121	.0121	.0121	.0121	.0121	.0121	.0120
3	.0219	.0218	.0218	.0217	.0216	.0216	.0215	.0215	.0214	.0213
4	.0202	.0209	.0215	.0221	.0228	.0234	.0240	.0247	.0253	.0259
5	.2238	.2241	.2242	.2244	.2246	.2248	.2250	.2252	.2254	.2256
6	.0134	.0134	.0135	.0135	.0135	.0135	.0134	.0136	.0136	.0136
7	.0036	.0036	.0036	.0036	.0036	.0036	.0036	.0036	.0036	.0036
8	.1623	.1620	.1617	.1614	.1611	.1608	.1605	.1602	.1599	.1596
9	.4100	.4101	.4101	.4102	.4103	.4103	.4104	.4105	.4105	.4106
Coordinates:										
X	-.0774	-.0781	-.0788	-.0795	-.0801	-.0808	-.0814	-.0820	-.0827	-.0833
Y	.0403	.0402	.0402	.0402	.0401	.0401	.0400	.0400	.0400	.0399
Z	.3247	.3241	.3235	.3229	.3223	.3217	.3212	.3206	.3200	.3195
1	.1322	.1314	.1305	.1297	.1289	.1280	.1272	.1264	.1256	.1248
2	.0122	.0122	.0121	.0121	.0121	.0121	.0120	.0120	.0120	.0120
3	.0219	.0218	.0217	.0216	.0215	.0214	.0213	.0212	.0211	.0211
4	.0202	.0212	.0222	.0231	.0241	.0250	.0260	.0269	.0278	.0287
5	.2238	.2241	.2244	.2247	.2250	.2253	.2256	.2259	.2262	.2265
6	.0134	.0134	.0135	.0135	.0136	.0136	.0136	.0137	.0137	.0138
7	.0036	.0036	.0036	.0036	.0036	.0036	.0036	.0036	.0036	.0036
8	.1623	.1618	.1614	.1609	.1605	.1600	.1596	.1592	.1587	.1583
9	.4100	.4101	.4102	.4103	.4104	.4105	.4106	.4107	.4108	.4109
Coordinates:										
X	-.0774	-.0785	-.0795	-.0805	-.0814	-.0824	-.0834	-.0843	-.0853	-.0862
Y	.0403	.0402	.0402	.0401	.0400	.0400	.0399	.0399	.0398	.0398
Z	.3247	.3238	.3229	.3220	.3211	.3203	.3194	.3186	.3177	.3169

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual Average rates of growth of GDP/c									
	0	1	2	3	4	5	6	7	8	9
1	.0360	.0354	.0349	.0343	.0338	.0332	.0327	.0322	.0316	.0311
2	.0113	.0113	.0113	.0112	.0112	.0112	.0112	.0112	.0112	.0111
3	.0141	.0140	.0140	.0139	.0138	.0138	.0137	.0137	.0136	.0135
4	.0400	.0407	.0413	.0419	.0426	.0432	.0438	.0445	.0451	.0457
5	.3092	.3094	.3096	.3098	.3100	.3102	.3104	.3106	.3108	.3110
6	.0020	.0020	.0021	.0021	.0021	.0021	.0022	.0022	.0022	.0022
7	.0023	.0023	.0023	.0023	.0023	.0023	.0023	.0023	.0023	.0023
8	.3147	.3144	.3141	.3138	.3135	.3132	.3129	.3126	.3123	.3120
9	.2700	.2701	.2701	.2702	.2703	.2703	.2704	.2705	.2705	.2706
Coordinates:										
X	-.0078	-.0085	-.0092	-.0099	-.0105	-.0112	-.0118	-.0124	-.0131	-.0137
Y	.2217	.2217	.2217	.2216	.2216	.2215	.2215	.2215	.2214	.2214
Z	.2073	.2067	.2061	.2055	.2049	.2043	.2038	.2032	.2027	.2021
1	.0360	.0352	.0343	.0335	.0327	.0318	.0310	.0302	.0294	.0286
2	.0113	.0113	.0112	.0112	.0112	.0112	.0111	.0111	.0111	.0111
3	.0141	.0140	.0139	.0138	.0137	.0136	.0135	.0134	.0133	.0133
4	.0400	.0410	.0420	.0429	.0439	.0448	.0458	.0467	.0476	.0485
5	.3092	.3095	.3098	.3101	.3104	.3107	.3110	.3113	.3116	.3119
6	.0020	.0020	.0021	.0021	.0022	.0022	.0022	.0023	.0023	.0024
7	.0023	.0023	.0023	.0023	.0023	.0023	.0023	.0023	.0023	.0023
8	.3147	.3142	.3138	.3133	.3129	.3124	.3120	.3116	.3111	.3107
9	.2700	.2701	.2702	.2703	.2704	.2705	.2706	.2707	.2708	.2709
Coordinates:										
X	-.0078	-.0089	-.0099	-.0109	-.0118	-.0128	-.0138	-.0148	-.0157	-.0166
Y	.2217	.2217	.2216	.2216	.2215	.2215	.2214	.2213	.2213	.2212
Z	.2073	.2064	.2055	.2046	.2037	.2029	.2020	.2012	.2003	.1995

REGION: Near East
 SECTOR: Light Industry

Projections of Input-Coefficients for 1990 and 2000

Inputs from	Annual average rate of growth of GDP/c									
	0	1	2	3	4	5	6	7	8	9
C	.2218	.2212	.2207	.2201	.2196	.2190	.2185	.2180	.2174	.2169
X	.0244	.0244	.0244	.0243	.0243	.0243	.0243	.0243	.0243	.0242
Y	.0205	.0204	.0204	.0203	.0202	.0201	.0201	.0201	.0200	.0199
A	.0598	.0605	.0611	.0617	.0624	.0630	.0634	.0643	.0649	.0655
VA	.1495	.1497	.1499	.1501	.1503	.1505	.1507	.1509	.1511	.1513
C	.0051	.0051	.0052	.0052	.0052	.0052	.0053	.0053	.0053	.0053
X	.0075	.0075	.0075	.0075	.0075	.0075	.0075	.0075	.0075	.0075
Y	.1150	.1147	.1144	.1141	.1138	.1135	.1132	.1129	.1126	.1123
VA	.3960	.3961	.3961	.3962	.3963	.3963	.3964	.3965	.3965	.3966
Coord. rates:										
X	-.0374	-.0341	-.0348	-.0354	-.0361	-.0367	-.0374	-.0380	-.0387	-.0392
Y	-.0528	-.0528	-.0529	-.0529	-.0529	-.0530	-.0530	-.0531	-.0531	-.0531
VA	.3106	.3100	.3094	.3088	.3082	.3077	.3071	.3065	.3060	.3054
1	.2218	.2210	.2201	.2193	.2185	.2176	.2168	.2160	.2152	.2144
2	.0244	.0244	.0243	.0243	.0243	.0243	.0242	.0242	.0242	.0242
3	.0205	.0204	.0204	.0202	.0201	.0200	.0199	.0198	.0197	.0197
4	.0598	.0608	.0610	.0627	.0637	.0646	.0656	.0665	.0674	.0683
5	.1495	.1498	.1501	.1504	.1507	.1510	.1513	.1514	.1519	.1522
6	.0051	.0051	.0052	.0052	.0053	.0053	.0053	.0054	.0054	.0055
7	.0075	.0075	.0075	.0075	.0075	.0075	.0075	.0075	.0075	.0075
8	.1150	.1145	.1141	.1136	.1132	.1127	.1123	.1119	.1114	.1110
VA	.3960	.3961	.3962	.3963	.3964	.3965	.3966	.3967	.3968	.3969
Coord. rates:										
X	-.0334	-.0344	-.0354	-.0364	-.0374	-.0384	-.0394	-.0403	-.0413	-.0422
Y	-.0528	-.0528	-.0529	-.0530	-.0530	-.0531	-.0531	-.0532	-.0532	-.0533
VA	.3106	.3097	.3088	.3079	.3071	.3062	.3053	.3045	.3036	.3028

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual Average Rates of Growth of GDP/c									
	0	1	2	3	4	5	6	7	8	9
1	-.0480	-.0432	-.0423	-.0415	-.0407	-.0398	-.0390	-.0382	-.0374	-.0366
2	-.0101	-.0101	-.0101	-.0100	-.0100	-.0099	-.0099	-.0099	-.0099	-.0099
3	-.0193	-.0193	-.0192	-.0191	-.0191	-.0189	-.0188	-.0187	-.0186	-.0184
4	-.1370	-.1377	-.1383	-.1389	-.1394	-.1402	-.1408	-.1415	-.1421	-.1427
5	-.2305	-.2307	-.2309	-.2311	-.2313	-.2315	-.2317	-.2319	-.2321	-.2323
6	-.0053	-.0053	-.0054	-.0054	-.0054	-.0054	-.0055	-.0055	-.0055	-.0055
7	-.0003	-.0003	-.0003	-.0003	-.0003	-.0003	-.0003	-.0003	-.0003	-.0003
8	-.1879	-.1874	-.1873	-.1870	-.1867	-.1864	-.1861	-.1858	-.1855	-.1852
9	-.3649	-.3650	-.3650	-.3651	-.3652	-.3652	-.3653	-.3654	-.3654	-.3655
Coordi- nates:										
X	-.1287	-.1294	-.1297	-.1297	-.1274	-.1280	-.1287	-.1293	-.1299	-.1305
Y	-.0953	-.0952	-.0952	-.0951	-.0951	-.0951	-.0950	-.0950	-.0950	-.0949
Z	-.1983	-.1937	-.1931	-.1925	-.1919	-.1914	-.1908	-.1902	-.1897	-.1891
1	-.0480	-.0432	-.0423	-.0415	-.0407	-.0398	-.0390	-.0382	-.0374	-.0366
2	-.0101	-.0101	-.0101	-.0100	-.0100	-.0099	-.0099	-.0099	-.0099	-.0099
3	-.0193	-.0193	-.0192	-.0191	-.0191	-.0189	-.0188	-.0187	-.0186	-.0184
4	-.1370	-.1377	-.1383	-.1389	-.1394	-.1402	-.1408	-.1415	-.1421	-.1427
5	-.2305	-.2307	-.2309	-.2311	-.2313	-.2315	-.2317	-.2319	-.2321	-.2323
6	-.0053	-.0053	-.0054	-.0054	-.0054	-.0054	-.0055	-.0055	-.0055	-.0055
7	-.0003	-.0003	-.0003	-.0003	-.0003	-.0003	-.0003	-.0003	-.0003	-.0003
8	-.1879	-.1874	-.1873	-.1870	-.1867	-.1864	-.1861	-.1858	-.1855	-.1852
9	-.3649	-.3650	-.3650	-.3651	-.3652	-.3652	-.3653	-.3654	-.3654	-.3655
Coordi- nates:										
X	-.1287	-.1294	-.1297	-.1297	-.1274	-.1280	-.1287	-.1293	-.1299	-.1305
Y	-.0953	-.0952	-.0952	-.0951	-.0951	-.0951	-.0950	-.0950	-.0950	-.0949
Z	-.1983	-.1937	-.1931	-.1925	-.1919	-.1914	-.1908	-.1902	-.1897	-.1891

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual Average Rates of Growth of GDP/o									
	0	1	2	3	4	5	6	7	8	9
1	.0351	.0345	.0340	.0334	.0329	.0323	.0318	.0313	.0307	.0302
2	.0051	.0051	.0051	.0050	.0050	.0050	.0050	.0050	.0050	.0049
3	.0199	.0198	.0198	.0197	.0196	.0196	.0195	.0195	.0194	.0193
4	.1565	.1572	.1578	.1584	.1591	.1597	.1603	.1610	.1616	.1622
5	.2445	.2447	.2449	.2451	.2453	.2455	.2457	.2459	.2461	.2463
6	.0160	.0160	.0161	.0161	.0161	.0161	.0162	.0162	.0162	.0162
7	.0111	.0111	.0111	.0111	.0111	.0111	.0111	.0111	.0111	.0111
8	.0857	.0854	.0851	.0848	.0845	.0842	.0839	.0836	.0833	.0830
9	.4256	.4257	.4257	.4258	.4259	.4259	.4260	.4261	.4261	.4262
Coordinates:										
X	-.2099	-.2106	-.2113	-.2119	-.2126	-.2133	-.2139	-.2145	-.2152	-.2158
Y	.0105	.0104	.0104	.0104	.0103	.0103	.0103	.0102	.0102	.0101
Z	.2065	.2059	.2053	.2047	.2041	.2036	.2030	.2024	.2019	.2013
1	.0351	.0343	.0334	.0326	.0318	.0309	.0301	.0293	.0285	.0277
2	.0051	.0051	.0050	.0050	.0050	.0050	.0049	.0049	.0049	.0049
3	.0199	.0198	.0197	.0196	.0196	.0194	.0193	.0192	.0191	.0191
4	.1565	.1575	.1585	.1594	.1604	.1613	.1623	.1632	.1641	.1650
5	.2445	.2448	.2451	.2454	.2457	.2460	.2463	.2466	.2469	.2472
6	.0160	.0160	.0161	.0161	.0162	.0162	.0162	.0163	.0163	.0164
7	.0111	.0111	.0111	.0111	.0111	.0111	.0111	.0111	.0111	.0111
8	.0857	.0852	.0848	.0843	.0839	.0834	.0830	.0826	.0821	.0817
9	.4256	.4257	.4258	.4259	.4260	.4261	.4262	.4263	.4264	.4265
Coordinates:										
X	-.2099	-.2110	-.2120	-.2130	-.2139	-.2149	-.2159	-.2168	-.2178	-.2187
Y	.0105	.0104	.0104	.0103	.0103	.0102	.0101	.0101	.0100	.0100
Z	.2065	.2056	.2047	.2038	.2030	.2021	.2012	.2004	.1996	.1987

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth									
	0	1	2	3	4	5	6	7	8	9
1	.0848	.0842	.0837	.0831	.0824	.0820	.0815	.0810	.0804	.0799
2	.0036	.0036	.0036	.0035	.0035	.0035	.0035	.0035	.0035	.0034
3	.0135	.0134	.0134	.0133	.0132	.0132	.0131	.0131	.0130	.0129
4	.1920	.1907	.1913	.1919	.1926	.1932	.1936	.1945	.1951	.1957
5	.2043	.2045	.2047	.2049	.2051	.2053	.2055	.2057	.2059	.2061
6	.0059	.0059	.0060	.0060	.0060	.0060	.0061	.0061	.0061	.0061
7	.0013	.0013	.0013	.0013	.0013	.0013	.0013	.0013	.0013	.0013
8	.1477	.1474	.1471	.1468	.1465	.1462	.1459	.1456	.1453	.1450
9	.3485	.3486	.3486	.3487	.3488	.3488	.3489	.3490	.3490	.3491
Coordinates:										
X	-.1128	-.1135	-.1141	-.1148	-.1154	-.1161	-.1167	-.1174	-.1180	-.1186
Y	.0331	.0330	.0330	.0330	.0329	.0329	.0328	.0328	.0328	.0327
Z	.1549	.1543	.1537	.1531	.1526	.1520	.1514	.1508	.1503	.1497
1	.0848	.0840	.0831	.0823	.0815	.0806	.0798	.0790	.0782	.0774
2	.0036	.0036	.0035	.0035	.0035	.0035	.0034	.0034	.0034	.0034
3	.0135	.0134	.0133	.0132	.0131	.0130	.0129	.0128	.0127	.0127
4	.1900	.1910	.1920	.1929	.1939	.1948	.1958	.1967	.1976	.1985
5	.2043	.2046	.2049	.2052	.2055	.2058	.2061	.2064	.2067	.2070
6	.0059	.0059	.0060	.0060	.0061	.0061	.0061	.0062	.0062	.0063
7	.0013	.0013	.0013	.0013	.0013	.0013	.0013	.0013	.0013	.0013
8	.1477	.1472	.1468	.1463	.1459	.1454	.1450	.1446	.1441	.1437
9	.3485	.3486	.3487	.3488	.3489	.3490	.3491	.3492	.3493	.3494
Coordinates:										
X	-.1128	-.1138	-.1148	-.1158	-.1168	-.1178	-.1187	-.1197	-.1206	-.1216
Y	.0331	.0330	.0330	.0329	.0328	.0328	.0327	.0327	.0326	.0326
Z	.1549	.1540	.1531	.1522	.1514	.1505	.1496	.1488	.1480	.1471

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual Average Rates of Growth of GDP/a										
	0	1	2	3	4	5	6	7	8	9	
1	.0165	.0159	.0154	.0148	.0143	.0137	.0132	.0127	.0121	.0116	
	.0071	.0071	.0051	.0070	.0030	.0030	.0050	.0030	.0030	.0029	
	.0096	.0095	.0095	.0094	.0093	.0093	.0092	.0092	.0091	.0090	
	.1884	.1891	.1897	.1903	.1910	.1916	.1922	.1929	.1935	.1941	
2	.2242	.2284	.2286	.2288	.2290	.2292	.2294	.2296	.2298	.2300	
	3	.0199	.0199	.0200	.0200	.0200	.0200	.0201	.0201	.0201	.0201
		.0019	.0019	.0019	.0019	.0019	.0019	.0019	.0019	.0019	.0019
		.1235	.1232	.1229	.1226	.1223	.1220	.1217	.1214	.1211	.1208
.4086		.4087	.4087	.4088	.4089	.4089	.4090	.4091	.4091	.4092	
4	Coordi- nates:										
	X	-.2037	-.2044	-.2050	-.2057	-.2064	-.2070	-.2077	-.2083	-.2089	
	Y	.0484	.0484	.0483	.0483	.0482	.0482	.0482	.0481	.0481	
	Z	.1722	.1716	.1710	.1704	.1698	.1692	.1687	.1681	.1675	
5	.0165	.0157	.0148	.0140	.0132	.0123	.0115	.0107	.0099	.0091	
	.0031	.0031	.0030	.0030	.0030	.0030	.0029	.0029	.0029	.0029	
	.0096	.0095	.0094	.0093	.0092	.0091	.0090	.0089	.0088	.0088	
	.1884	.1894	.1904	.1913	.1923	.1932	.1942	.1951	.1960	.1969	
6	.2282	.2285	.2288	.2291	.2294	.2297	.2300	.2303	.2306	.2309	
	7	.0199	.0199	.0200	.0200	.0201	.0201	.0201	.0202	.0202	.0203
		.0019	.0019	.0019	.0019	.0019	.0019	.0019	.0019	.0019	.0019
		.1235	.1230	.1226	.1221	.1217	.1212	.1208	.1204	.1199	.1195
.4086		.4087	.4088	.4089	.4090	.4091	.4092	.4093	.4094	.4095	
8	Coordi- nates										
	X	-.2037	-.2047	-.2057	-.2067	-.2077	-.2087	-.2096	-.2106	-.2115	
	Y	.0484	.0483	.0483	.0482	.0482	.0481	.0481	.0480	.0479	
	Z	.1722	.1713	.1704	.1695	.1686	.1678	.1669	.1661	.1652	
9	.0165	.0157	.0148	.0140	.0132	.0123	.0115	.0107	.0099	.0091	
	.0031	.0031	.0030	.0030	.0030	.0030	.0029	.0029	.0029	.0029	
	.0096	.0095	.0094	.0093	.0092	.0091	.0090	.0089	.0088	.0088	
	.1884	.1894	.1904	.1913	.1923	.1932	.1942	.1951	.1960	.1969	
10	.2282	.2285	.2288	.2291	.2294	.2297	.2300	.2303	.2306	.2309	

REGIONAL INDUSTRY
 REGION: NORTH AMERICA

VII-2

SECTION: Equipment goods

REVIEW OF PAST RESULTS

Inputs from:	Regression analysis		February 1980 correlation coefficient ^{*)}
	October 1970 y,p,d	industry composition	
agriculture			-.322
agri.-food			-.038
energy		electricity, machinery	-.496
basic products	p	metal ore, chemicals, metals	.103
light industry		apparel, printing	.222
equipment	y		.175
construction	y		.130
services		trade	-.272
value added			.059

Factor analysis: Influence of degree of processing(value added coefficients and basic products).

Link between the factor analysis and the February 1980 regression coefficients established for the following coefficients: ^a46, ^a56, ^a86

^{*)} See Table Oc, last column

Table Ca: Technology vectors by regions

Inputs from:	Tropical Africa	Near East	Asia 1	Asia 2	Latin America	Western Europe	Japan	North America
1	.0016		.0056	.0072	.0001		.0003	
2	.0012	.0005	.0142	.0022		.0003		.0013
3	.0176	.0613	.0248	.0147	.0113	.0165	.0107	.0086
4	.1217	.0966	.1872	.1617	.1178	.1407	.1517	.1390
5	.0514	.0114	.0667	.0573	.0648	.1233	.0535	.0789
6	.2456	.1135	.1541	.2767	.2227	.1663	.2893	.2498
7	.0032	.0017	.0190	.0010		.0088	.0011	.0020
8	.2492	.3345	.1880	.1458	.1529	.0955	.1367	.1300
9	.3081	.3800	.3399	.3400	.4300	.4482	.3564	.2900
Coordinates:								
X	.1437	.2178	.0646	.0299	.0254	-.0415	.0199	.0070
Y	.3814	.4642	.4089	.3922	.4725	.4860	.4031	.4340
Z	.0895	.0677	.1360	.1056	.0459	.0504	.0916	.0694

Table Cb: Eigenvectors of the factor analysis

Inputs from:	x	y	z
1	-.0124	.0144	.0418
2	.0032	.0014	.0029
3	.0144	.0446	.0037
4	-.1990	.1637	.9635
5	-.0658	.1180	-.0912
6			
7	.0018	.0110	.0034
8	.9535	.2556	.1506
9	-.2159	.9443	-.1972

Table Cc: Incremental technology vectors and regression coefficients

Inputs from:	Incremental vector:		b(log GTF/c)
	calculated	corrected	
1	.8245	.8245	- 5.4457
2	-.0814	-.0814	- .0728
3	1.8250	1.8250	- 5.3841
4	6.3532	6.3532	6.3532
5	10.0890	10.0890	10.0890
6		2.3591	15.7087
7	.4979	.4979	.6101
8	-25.2987	-25.2987	-25.2987
9	62.6273	3.4314	3.4314
Coordinates			
dX	-39.5511	-24.7728	
dY	55.0016	-.8961	
dZ	-10.9158	.7575	

Projections of input coefficients for 1961 and 1970

Inputs from	Annual average rates of growth of GDI/c									
	0	1	2	3	4	5	6	7	8	9
1	.0016	.0016	.0016	.0016	.0017	.0017	.0017	.0017	.0017	.0017
2	.0012	.0012	.0012	.0012	.0012	.0012	.0012	.0012	.0012	.0012
3	.0176	.0176	.0177	.0177	.0177	.0178	.0178	.0178	.0178	.0179
4	.1217	.1218	.1220	.1220	.1222	.1223	.1224	.1226	.1227	.1228
5	.0514	.0516	.0518	.0520	.0522	.0524	.0526	.0528	.0530	.0531
6	.2456	.2456	.2457	.2457	.2458	.2458	.2459	.2459	.2460	.2460
7	.0032	.0032	.0032	.0032	.0032	.0032	.0032	.0033	.0033	.0033
8	.2492	.2487	.2482	.2477	.2472	.2467	.2463	.2458	.2453	.2448
9	.3081	.3082	.3082	.3083	.3084	.3084	.3085	.3086	.3086	.3087
Coordinates										
W	.1437	.1432	.1427	.1422	.1416	.1411	.1406	.1401	.1396	.1391
Y	.3814	.3814	.3814	.3814	.3814	.3814	.3813	.3813	.3813	.3813
Z	.0895	.0895	.0895	.0895	.0895	.0896	.0896	.0896	.0896	.0896
1	.0016	.0016	.0016	.0017	.0017	.0017	.0017	.0018	.0018	.0018
2	.0012	.0012	.0012	.0012	.0012	.0012	.0012	.0012	.0012	.0012
3	.0176	.0177	.0177	.0178	.0178	.0179	.0179	.0180	.0180	.0181
4	.1217	.1219	.1221	.1223	.1224	.1226	.1228	.1230	.1232	.1233
5	.0514	.0517	.0520	.0523	.0526	.0529	.0532	.0534	.0537	.0540
6	.2456	.2457	.2457	.2458	.2459	.2459	.2460	.2461	.2461	.2462
7	.0032	.0032	.0032	.0032	.0033	.0033	.0033	.0033	.0033	.0033
8	.2492	.2484	.2477	.2470	.2462	.2455	.2448	.2441	.2434	.2427
9	.3081	.3082	.3083	.3084	.3085	.3086	.3087	.3088	.3089	.3090
Coordinates										
W	.1437	.1429	.1422	.1414	.1406	.1398	.1391	.1383	.1376	.1368
Y	.3814	.3814	.3814	.3814	.3813	.3813	.3813	.3813	.3812	.3812
Z	.0895	.0895	.0895	.0896	.0896	.0896	.0896	.0896	.0897	.0897

Region: Tropical Africa
Sector: Equipment Goods

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual Average Rates of Growth of GDP/c									
	0	1	2	3	4	5	6	7	8	9
1		.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0001
2	.0005	.0005	.0005	.0005	.0005	.0005	.0005	.0005	.0005	.0005
3	.0613	.0613	.0614	.0614	.0614	.0615	.0615	.0615	.0616	.0616
4	.0966	.0967	.0969	.0970	.0971	.0972	.0973	.0975	.0976	.0977
5	.0114	.0116	.0118	.0120	.0122	.0124	.0126	.0128	.0130	.0131
6	.1135	.1135	.1136	.1136	.1137	.1137	.1138	.1138	.1139	.1139
7	.0017	.0017	.0017	.0017	.0017	.0017	.0018	.0018	.0018	.0018
8	.3345	.3340	.3335	.3330	.3325	.3320	.3316	.3311	.3306	.3301
9	.3800	.3801	.3801	.3802	.3803	.3803	.3804	.3805	.3805	.3806
Coord:- rates:										
X	.2178	.2173	.2168	.2163	.2157	.2152	.2147	.2142	.2137	.2132
Y	.4642	.4642	.4642	.4642	.4641	.4641	.4641	.4641	.4641	.4641
Z	.0677	.0677	.0677	.0678	.0678	.0678	.0678	.0678	.0678	.0678
1		.0000	.0000	.0001	.0001	.0001	.0001	.0002	.0002	.0002
2	.0005	.0005	.0005	.0005	.0005	.0005	.0005	.0005	.0005	.0005
3	.0613	.0614	.0614	.0615	.0615	.0616	.0616	.0617	.0617	.0618
4	.0966	.0968	.0970	.0972	.0973	.0975	.0977	.0979	.0981	.0982
5	.0114	.0117	.0120	.0123	.0126	.0129	.0132	.0134	.0137	.0140
6	.1135	.1136	.1136	.1137	.1138	.1138	.1139	.1140	.1140	.1141
7	.0017	.0017	.0017	.0017	.0018	.0018	.0018	.0018	.0018	.0018
8	.3345	.3337	.3330	.3323	.3315	.3308	.3301	.3294	.3287	.3280
9	.3800	.3801	.3802	.3803	.3804	.3805	.3806	.3807	.3808	.3809
Coord:- rates:										
X	.2178	.2170	.2163	.2155	.2147	.2139	.2132	.2124	.2117	.2109
Y	.4642	.4642	.4642	.4641	.4641	.4641	.4641	.4640	.4640	.4640
Z	.0677	.0677	.0678	.0678	.0678	.0678	.0678	.0679	.0679	.0679

- 52 -

REGION: West-East
COUNTRY: INDIA
YEAR: 1984

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/c									
	0	1	2	3	4	5	6	7	8	9
1	.0056	.0056	.0056	.0056	.0057	.0057	.0057	.0057	.0057	.0057
2	.0142	.0142	.0142	.0142	.0142	.0142	.0142	.0142	.0142	.0142
3	.0248	.0248	.0249	.0249	.0249	.0250	.0250	.0250	.0251	.0251
4	.1872	.1873	.1875	.1876	.1877	.1878	.1879	.1881	.1882	.1883
5	.0667	.0669	.0671	.0673	.0675	.0677	.0679	.0681	.0683	.0684
6	.1541	.1541	.1542	.1542	.1543	.1543	.1544	.1544	.1545	.1545
7	.0190	.0190	.0190	.0190	.0190	.0190	.0191	.0191	.0191	.0191
8	.1880	.1875	.1870	.1865	.1860	.1855	.1851	.1846	.1841	.1836
9	.3399	.3400	.3400	.3401	.3402	.3402	.3403	.3404	.3404	.3405
Coordinates:										
X	.0646	.0641	.0636	.0630	.0625	.0620	.0615	.0610	.0605	.0600
Y	.4089	.4089	.4089	.4089	.4089	.4088	.4088	.4088	.4088	.4088
Z	.1360	.1360	.1360	.1360	.1361	.1361	.1361	.1361	.1361	.1361
1	.0056	.0056	.0056	.0057	.0057	.0057	.0057	.0058	.0058	.0058
2	.0142	.0142	.0142	.0142	.0142	.0142	.0142	.0142	.0142	.0142
3	.0248	.0249	.0249	.0250	.0250	.0251	.0251	.0252	.0252	.0253
4	.1872	.1874	.1876	.1878	.1879	.1881	.1883	.1885	.1887	.1888
5	.0667	.0670	.0673	.0676	.0679	.0682	.0685	.0687	.0690	.0693
6	.1541	.1542	.1542	.1543	.1544	.1544	.1545	.1546	.1546	.1547
7	.0190	.0190	.0190	.0190	.0191	.0191	.0191	.0191	.0191	.0191
8	.1880	.1872	.1865	.1858	.1850	.1843	.1836	.1829	.1822	.1815
9	.3399	.3400	.3401	.3402	.3403	.3404	.3405	.3406	.3407	.3408
Coordinates:										
X	.0646	.0638	.0630	.0622	.0615	.0607	.0599	.0592	.0584	.0577
Y	.4089	.4089	.4089	.4088	.4088	.4088	.4088	.4087	.4087	.4087
Z	.1360	.1360	.1360	.1361	.1361	.1361	.1361	.1362	.1362	.1362

CACODE: Equipment goods
 1990
 2000

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/c									
	0	1	2	3	4	5	6	7	8	9
1	.0002	.0002	.0002	.0002	.0003	.0003	.0003	.0003	.0003	.0003
2	.0022	.0022	.0022	.0022	.0022	.0022	.0022	.0022	.0022	.0022
3	.0147	.0147	.0148	.0148	.0148	.0149	.0149	.0149	.0150	.0150
4	.1617	.1618	.1620	.1621	.1622	.1623	.1624	.1626	.1627	.1628
5	.0573	.0575	.0577	.0579	.0581	.0583	.0585	.0587	.0589	.0590
6	.2767	.2767	.2768	.2768	.2769	.2769	.2770	.2770	.2771	.2771
7	.0010	.0010	.0010	.0010	.0010	.0010	.0011	.0011	.0011	.0011
8	.1458	.1453	.1448	.1443	.1438	.1433	.1429	.1424	.1419	.1414
9	.3400	.3401	.3401	.3402	.3403	.3403	.3404	.3405	.3405	.3406
Coordinates:										
X	.0299	.0299	.0288	.0283	.0278	.0273	.0268	.0263	.0258	.0253
Y	.3922	.3922	.3922	.3921	.3921	.3921	.3921	.3921	.3921	.3921
Z	.1056	.1056	.1056	.1056	.1056	.1056	.1056	.1057	.1057	.1057
1	.0002	.0002	.0002	.0003	.0003	.0003	.0003	.0004	.0004	.0004
2	.0022	.0022	.0022	.0022	.0022	.0022	.0022	.0022	.0022	.0022
3	.0147	.0148	.0148	.0149	.0149	.0150	.0150	.0151	.0151	.0152
4	.1617	.1619	.1621	.1623	.1624	.1626	.1628	.1630	.1632	.1633
5	.0573	.0576	.0579	.0582	.0585	.0588	.0591	.0593	.0596	.0599
6	.2767	.2768	.2768	.2769	.2770	.2770	.2771	.2772	.2772	.2773
7	.0010	.0010	.0010	.0010	.0011	.0011	.0011	.0011	.0011	.0011
8	.1458	.1450	.1443	.1436	.1428	.1421	.1414	.1407	.1400	.1393
9	.3400	.3401	.3402	.3403	.3404	.3405	.3406	.3407	.3408	.3409
Coordinates:										
X	.0299	.0291	.0283	.0275	.0268	.0260	.0252	.0245	.0237	.0230
Y	.3922	.3922	.3922	.3921	.3921	.3921	.3921	.3920	.3920	.3920
Z	.1056	.1056	.1056	.1056	.1056	.1057	.1057	.1057	.1057	.1058

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Projections of Input Coefficients for 1990 and 2000

Inputs from	0	1	2	3	4	5	6	7	8	9
1	.0001	.0001	.0001	.0002	.0002	.0002	.0002	.0002	.0002	.0002
2	.0113	.0114	.0114	.0114	.0114	.0115	.0115	.0115	.0116	.0116
3	.1178	.1179	.1181	.1182	.1183	.1184	.1185	.1187	.1188	.1189
4	.0648	.0650	.0652	.0654	.0656	.0658	.0660	.0662	.0664	.0665
5	.2227	.2227	.2228	.2228	.2229	.2229	.2230	.2230	.2231	.2231
6	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0001
7	.1524	.1524	.1519	.1514	.1509	.1504	.1500	.1495	.1490	.1485
8	.4300	.4301	.4301	.4302	.4303	.4303	.4304	.4305	.4305	.4306
Coordi- nates:										
Y	.0244	.0244	.0244	.0238	.0233	.0228	.0223	.0218	.0213	.0208
X	.4725	.4725	.4725	.4725	.4725	.4725	.4724	.4724	.4724	.4724
Z	.0459	.0459	.0459	.0459	.0459	.0459	.0460	.0460	.0460	.0460
1	.0071	.0001	.0001	.0002	.0002	.0002	.0002	.0003	.0003	.0003
2	.0113	.0114	.0114	.0115	.0115	.0116	.0116	.0117	.0117	.0118
3	.1178	.1180	.1182	.1184	.1185	.1187	.1189	.1191	.1193	.1194
4	.0648	.0651	.0654	.0657	.0660	.0663	.0666	.0668	.0671	.0674
5	.2227	.2228	.2229	.2229	.2230	.2230	.2231	.2232	.2232	.2233
6	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0001	.0001
7	.1524	.1521	.1514	.1507	.1499	.1492	.1485	.1478	.1471	.1464
8	.4300	.4301	.4302	.4303	.4304	.4305	.4306	.4307	.4308	.4309
Coordi- nates:										
Y	.0244	.0246	.0238	.0231	.0223	.0215	.0207	.0200	.0192	.0185
X	.4725	.4725	.4725	.4725	.4724	.4724	.4723	.4724	.4723	.4723
Z	.0459	.0459	.0459	.0459	.0460	.0460	.0460	.0460	.0460	.0461

Equipment Goods

Region: Latin America

Project: Imports of Input Coefficients for 1990 and 2000

Inputs from	Annual average rate of growth of GNP/c									
	0	1	2	3	4	5	6	7	8	9
1	.0003	.0003	.0003	.0004	.0004	.0004	.0004	.0004	.0004	.0004
2	-.0000	-.0000	-.0000	-.0000	-.0000	-.0000	-.0000	-.0000	-.0000	-.0000
3	.0107	.0107	.0108	.0108	.0109	.0109	.0109	.0109	.0110	.0110
4	.1517	.1518	.1520	.1521	.1522	.1523	.1524	.1526	.1527	.1528
5	.0535	.0537	.0539	.0541	.0543	.0545	.0547	.0549	.0551	.0552
6	.2893	.2893	.2894	.2894	.2895	.2895	.2896	.2896	.2897	.2897
7	.0011	.0011	.0011	.0011	.0011	.0011	.0012	.0012	.0012	.0012
8	.1367	.1362	.1357	.1352	.1347	.1342	.1338	.1333	.1328	.1323
9	.3564	.3565	.3565	.3566	.3567	.3567	.3568	.3569	.3569	.3570
Coordinates										
Y	.0199	.0193	.0189	.0183	.0178	.0172	.0167	.0162	.0157	.0152
Y	.4031	.4031	.4031	.4031	.4030	.4030	.4030	.4030	.4030	.4030
Z	.0916	.0917	.0917	.0917	.0917	.0917	.0917	.0917	.0918	.0918
1	.0003	.0003	.0003	.0004	.0004	.0004	.0004	.0004	.0005	.0005
2	-.0000	-.0000	-.0000	-.0000	-.0000	-.0000	-.0000	-.0000	-.0000	-.0000
3	.0108	.0108	.0108	.0109	.0109	.0110	.0110	.0111	.0111	.0112
4	.1517	.1519	.1521	.1523	.1524	.1526	.1528	.1530	.1532	.1533
5	.0538	.0538	.0541	.0544	.0547	.0550	.0553	.0555	.0558	.0561
6	.2894	.2894	.2894	.2895	.2896	.2896	.2897	.2898	.2898	.2899
7	.0011	.0011	.0011	.0012	.0012	.0012	.0012	.0012	.0012	.0012
8	.1367	.1359	.1352	.1345	.1337	.1330	.1323	.1316	.1309	.1302
9	.3565	.3565	.3566	.3567	.3568	.3569	.3570	.3571	.3572	.3573
Coordinates										
Y	.0199	.0191	.0183	.0175	.0167	.0159	.0152	.0144	.0137	.0129
Y	.4031	.4031	.4031	.4030	.4030	.4030	.4030	.4029	.4029	.4029
Z	.0916	.0917	.0917	.0917	.0917	.0918	.0918	.0918	.0918	.0918

Country: Equipment Goods
Region: Japan

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/c									
	0	1	2	3	4	5	6	7	8	9
1	.0000	.0000	.0000	.0070	.0001	.0001	.0001	.0001	.0001	.0001
2	.0013	.0013	.0013	.0013	.0013	.0013	.0013	.0013	.0013	.0013
3	.0086	.0086	.0087	.0087	.0087	.0088	.0088	.0088	.0089	.0089
4	.1390	.1391	.1393	.1394	.1395	.1396	.1397	.1399	.1400	.1401
5	.0789	.0791	.0793	.0795	.0797	.0799	.0801	.0803	.0805	.0806
6	.2498	.2498	.2499	.2499	.2500	.2500	.2501	.2501	.2502	.2502
7	.0020	.0020	.0020	.0020	.0020	.0020	.0021	.0021	.0021	.0021
8	.1300	.1295	.1290	.1285	.1280	.1275	.1271	.1266	.1261	.1256
9	.3900	.3901	.3901	.3902	.3903	.3903	.3904	.3905	.3905	.3906
Coord: - Notes:										
X	.0070	.0045	.0040	.0055	.0049	.0044	.0039	.0034	.0029	.0024
Y	.0340	.0339	.0339	.0339	.0339	.0339	.0339	.0338	.0338	.0338
Z	.0698	.0695	.0695	.0695	.0695	.0695	.0695	.0695	.0696	.0696
1	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0002	.0002	.0002
2	.0013	.0013	.0013	.0013	.0013	.0013	.0013	.0013	.0013	.0013
3	.0086	.0087	.0087	.0088	.0088	.0089	.0089	.0090	.0090	.0091
4	.1390	.1392	.1394	.1396	.1397	.1399	.1401	.1403	.1405	.1406
5	.0789	.0792	.0795	.0798	.0801	.0804	.0807	.0809	.0812	.0815
6	.2498	.2499	.2499	.2500	.2501	.2501	.2502	.2503	.2503	.2504
7	.0020	.0020	.0020	.0020	.0021	.0021	.0021	.0021	.0021	.0021
8	.1300	.1292	.1285	.1278	.1270	.1263	.1256	.1249	.1242	.1235
9	.3900	.3901	.3902	.3903	.3904	.3905	.3906	.3907	.3908	.3909
Coord: - Notes:										
X	.0070	.0042	.0055	.0047	.0039	.0031	.0024	.0016	.0009	.0001
Y	.0340	.0339	.0339	.0339	.0339	.0338	.0338	.0337	.0337	.0337
Z	.0698	.0695	.0695	.0695	.0695	.0696	.0696	.0696	.0696	.0696

Equipment Goods

Region: North America

Sector: Services

REVIEW OF FAST RESULTS

Inputs from:	Regression analysis		
	October 1970	February 1980	
	y,p,d	industry composition	correlation coefficient ^{*)}
agriculture	d		-.259
agri-food	y	services	.226
energy	p,d	services	.135
basic products	y,d	paper, metals, transport	.507
light industry	p,y	metal products	.212
equipment	p,y	transport	-.047
construction	y	services	.067
services			.359
value added			-.243

Factor analysis: Influence of population (size of the country, population pressure (large cities), of the value added share and statistical system (in the new SNA, used e.g. in Western Europe , the government consumption is in the intermediate consumption).

Link between the factor analysis and the February 1980 regression coefficients established for the following coefficients: a_{48}, a_{48}

*) See Table Oc, last column

Table 9a : Technology vectors by regions

Inputs from:	Tropical Africa	Near East	Asia 1	Asia 2	Latin America	Western Europe	Japan	North America
1	.0222	.0170	.0287	.0329	.0309	.0357	.0353	.0348
2	.0287	.0178	.0311	.0115	.0058	.0273	.0220	.0040
3	.0342	.0578	.0199	.0193	.0281	.0277	.0214	.0174
4	.0641	.0201	.0326	.0090	.0169	.0323	.0281	.0152
5	.0359	.0280	.0228	.0180	.0284	.0216	.0391	.0289
6	.0387	.0153	.0235	.0157	.0137	.0282	.0196	.0145
7	.0391	.0267	.0156	.0074	.0059	.0242	.0094	.0123
8	.0445	.0101	.0284	.0239	.0139	.0676	.0721	.0298
VA	.0191	.0730	.0600	.0757	.0730	.0700	.0629	.0425
Coordinates:								
X	.4036	.7171	.7392	.5533	.7115	.6407	.6626	.6740
Y	.0814	.0914	.0988	.0790	.0799	.0913	.0715	.0622
Z	.0232	.0455	.0272	.0241	.0330	.0209	.0302	.0329

Table 9b: Eigenvectors of the factor analysis

Inputs from:	x	y	z
1	-.0072	-.0173	-.0947
2	-.0058	-.0229	-.1613
3	-.0254	-.0277	.2744
4	-.0474	-.0528	-.0319
5	-.0276	-.0673	.7194
6	-.0501	-.0414	-.3131
7	-.1652	.0978	.2984
8			
VA	.0814	.1256	.0230

Table 9c: Incremental technology vectors and regression coefficients

Inputs from:	Incremental vector:		b(log GDP/c)
	calculated	corrected	
1	1.0251	-1.0931	-1.6931
2	0.7371	2.7140	2.7149
3	22.1570	1.8517	1.4517
4	4.3025	4.3155	6.3045
5	19.2073	2.8009	2.4049
6	5.3117	-.4413	-.4813
7	-0.9555	.8809	.8809
8		17.4625	17.5035
VA	-20.1510	-20.1610	-20.1618
Coordinates:			
dX	-14.3160	-20.2770	
dY	-10.6725	-8.4070	
dZ	-0.0011	-1.0457	

Projection of Input Coefficient for 1990 and 2000

Input	From		Annual average rate of growth of GNP/c									
	1	2	3	4	5	6	7	8	9	10	11	12
Y	.5976	.5931	.5915	.5912	.5914	.5908	.5902	.5897	.5891	.5888	.5886	.5886
Z	.1814	.1815	.1814	.1812	.1814	.1811	.1810	.1809	.1809	.1808	.1808	.1808
W	.4191	.4185	.4182	.4179	.4174	.4168	.4163	.4157	.4152	.4146	.4141	.4141
V	.1381	.1381	.1381	.1382	.1382	.1382	.1382	.1382	.1382	.1382	.1382	.1382
U	.1467	.1465	.1465	.1466	.1465	.1465	.1465	.1465	.1465	.1465	.1465	.1465
T	.1248	.1248	.1248	.1249	.1249	.1249	.1249	.1249	.1249	.1249	.1249	.1249
S	.0342	.0342	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343
R	.0471	.0462	.0465	.0465	.0465	.0465	.0465	.0465	.0465	.0465	.0465	.0465
Q	.0363	.0363	.0363	.0363	.0363	.0363	.0363	.0363	.0363	.0363	.0363	.0363
P	.0221	.0222	.0221	.0221	.0221	.0220	.0219	.0219	.0219	.0218	.0218	.0218
O	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249
N	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343
M	.0467	.0465	.0465	.0466	.0465	.0465	.0465	.0465	.0465	.0465	.0465	.0465
L	.0220	.0221	.0221	.0220	.0220	.0220	.0219	.0219	.0218	.0218	.0218	.0218
K	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249
J	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343
I	.0467	.0465	.0465	.0466	.0465	.0465	.0465	.0465	.0465	.0465	.0465	.0465
H	.0220	.0221	.0221	.0220	.0220	.0220	.0219	.0219	.0218	.0218	.0218	.0218
G	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249
F	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343
E	.0467	.0465	.0465	.0466	.0465	.0465	.0465	.0465	.0465	.0465	.0465	.0465
D	.0220	.0221	.0221	.0220	.0220	.0220	.0219	.0219	.0218	.0218	.0218	.0218
C	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249	.0249
B	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343	.0343
A	.0467	.0465	.0465	.0466	.0465	.0465	.0465	.0465	.0465	.0465	.0465	.0465

Region: Tropical Africa

Services

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/o									
	1	2	3	4	5	6	7	8	9	Y
1	.0071	.0169	.0169	.0169	.0169	.0169	.0169	.0169	.0169	.0169
2	.0039	.0039	.0039	.0039	.0039	.0039	.0039	.0039	.0039	.0039
3	.0576	.0577	.0577	.0577	.0577	.0577	.0577	.0577	.0577	.0577
4	.0212	.0203	.0215	.0206	.0207	.0208	.0210	.0211	.0212	.0212
5	.0290	.0281	.0281	.0282	.0282	.0283	.0283	.0284	.0284	.0284
6	.0163	.0163	.0163	.0163	.0163	.0163	.0162	.0162	.0162	.0162
7	.0267	.0267	.0268	.0268	.0268	.0268	.0268	.0268	.0268	.0268
8	.1101	.1106	.1111	.1115	.1118	.1121	.1125	.1128	.1131	.1131
9	.7330	.7289	.7283	.7277	.7272	.7266	.7261	.7255	.7250	.7250
COORDINATES:										
Y	.7070	.7059	.7053	.7047	.7042	.7036	.7031	.7025	.7020	.7020
X	.0918	.0912	.0912	.0911	.0910	.0909	.0908	.0907	.0906	.0906
Z	.0855	.0855	.0855	.0855	.0854	.0854	.0854	.0854	.0854	.0854
1	.0069	.0069	.0066	.0068	.0066	.0067	.0067	.0066	.0066	.0066
2	.0039	.0039	.0039	.0039	.0039	.0039	.0039	.0039	.0039	.0039
3	.0576	.0577	.0577	.0577	.0577	.0577	.0577	.0577	.0577	.0577
4	.0203	.0205	.0207	.0208	.0210	.0212	.0214	.0216	.0217	.0217
5	.0281	.0281	.0282	.0283	.0284	.0284	.0285	.0286	.0286	.0286
6	.0163	.0163	.0163	.0162	.0162	.0162	.0162	.0162	.0162	.0162
7	.0267	.0268	.0268	.0268	.0268	.0269	.0269	.0269	.0269	.0269
8	.1101	.1111	.1117	.1122	.1127	.1132	.1136	.1141	.1146	.1146
9	.7330	.7283	.7274	.7266	.7257	.7249	.7241	.7233	.7225	.7225
COORDINATES:										
Y	.7070	.7053	.7044	.7036	.7027	.7019	.7011	.7003	.6995	.6995
X	.0918	.0912	.0910	.0909	.0908	.0906	.0905	.0904	.0902	.0902
Z	.0855	.0855	.0855	.0854	.0854	.0854	.0853	.0853	.0853	.0853

Region: Near East
 Services

Projections of Input Coefficients for 1970 and 2000

Input From	Annual average rates of growth of GDI/n								
	1	2	3	4	5	6	7	8	9
1	.0247	.0246	.0245	.0246	.0245	.0245	.0245	.0245	.0244
2	.0111	.0112	.0112	.0112	.0113	.0113	.0114	.0114	.0115
3	.0194	.0200	.0200	.0200	.0200	.0201	.0201	.0201	.0202
4	.0329	.0330	.0332	.0333	.0334	.0335	.0337	.0338	.0339
5	.0229	.0229	.0229	.0230	.0230	.0231	.0231	.0232	.0232
6	.0235	.0235	.0235	.0235	.0235	.0234	.0234	.0234	.0234
7	.0166	.0167	.0167	.0167	.0167	.0167	.0167	.0167	.0168
8	.0997	.0991	.0998	.0998	.1001	.1004	.1006	.1011	.1014
VA	.7509	.7589	.7583	.7577	.7572	.7566	.7561	.7555	.7550
Notes:									
1	.7377	.7371	.7365	.7359	.7354	.7348	.7343	.7337	.7332
2	.0987	.0987	.0986	.0985	.0984	.0983	.0982	.0981	.0980
3	.0202	.0201	.0201	.0201	.0201	.0201	.0200	.0200	.0200
4	.0247	.0246	.0245	.0245	.0245	.0244	.0244	.0243	.0243
5	.0111	.0112	.0112	.0113	.0113	.0115	.0116	.0116	.0117
6	.0194	.0200	.0200	.0201	.0201	.0202	.0202	.0202	.0203
7	.0329	.0330	.0332	.0333	.0334	.0335	.0341	.0343	.0344
8	.0229	.0229	.0229	.0231	.0232	.0232	.0233	.0234	.0234
VA	.7509	.7583	.7574	.7566	.7557	.7549	.7541	.7533	.7525
Notes:									
1	.7374	.7365	.7356	.7348	.7340	.7331	.7323	.7315	.7307
2	.0988	.0986	.0984	.0983	.0982	.0980	.0979	.0978	.0977
3	.0201	.0201	.0201	.0201	.0201	.0201	.0200	.0199	.0199

Country: Services

Region: Asia 1

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/o								
	1	2	3	4	5	6	7	8	9
1	.0009	.0008	.0007	.0006	.0007	.0007	.0097	.0096	.0096
2	.0115	.0116	.0117	.0117	.0118	.0118	.0119	.0119	.0120
3	.0183	.0184	.0184	.0184	.0185	.0185	.0185	.0185	.0186
4	.0303	.0304	.0304	.0305	.0306	.0307	.0309	.0309	.0310
5	.0181	.0181	.0181	.0182	.0182	.0183	.0183	.0184	.0184
6	.0157	.0157	.0157	.0157	.0157	.0156	.0156	.0156	.0156
7	.0378	.0378	.0375	.0375	.0375	.0375	.0375	.0375	.0376
8	.2330	.2346	.2349	.2353	.2356	.2359	.2363	.2366	.2369
9	.6757	.6786	.6789	.6794	.6799	.6799	.6799	.6799	.6799
Coordi- nates:									
1	.6587	.6571	.6565	.6560	.6554	.6549	.6543	.6538	.6534
2	.0700	.0789	.0788	.0787	.0786	.0785	.0784	.0783	.0783
3	.0281	.0281	.0280	.0280	.0280	.0280	.0280	.0239	.0239
4	.0009	.0006	.0007	.0007	.0007	.0006	.0006	.0005	.0005
5	.0115	.0117	.0117	.0118	.0119	.0120	.0121	.0121	.0122
6	.0183	.0184	.0184	.0185	.0185	.0186	.0186	.0186	.0187
7	.0303	.0304	.0306	.0307	.0309	.0310	.0310	.0310	.0310
8	.0181	.0181	.0182	.0183	.0184	.0184	.0185	.0186	.0186
9	.0157	.0157	.0157	.0156	.0156	.0156	.0156	.0156	.0156
Coordi- nates:									
1	.6587	.6565	.6557	.6546	.6540	.6532	.6523	.6515	.6507
2	.0700	.0788	.0786	.0785	.0784	.0782	.0781	.0780	.0779
3	.0281	.0281	.0280	.0280	.0239	.0239	.0239	.0238	.0238

Region: Asia 2
Sector: Services

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/o									
	1	2	3	4	5	6	7	8	9	y
1	.0009	.0006	.0006	.0006	.0007	.0007	.0007	.0006	.0006	.0006
2	.0054	.0059	.0060	.0060	.0061	.0061	.0062	.0062	.0062	.0063
3	.0241	.0242	.0242	.0242	.0242	.0243	.0243	.0243	.0243	.0244
4	.0160	.0171	.0173	.0174	.0175	.0176	.0178	.0179	.0179	.0180
5	.0288	.0285	.0285	.0286	.0286	.0287	.0287	.0288	.0288	.0288
6	.0137	.0137	.0137	.0137	.0137	.0136	.0136	.0136	.0136	.0136
7	.1750	.1759	.1760	.1761	.1760	.1760	.1760	.1760	.1760	.1761
8	.1730	.1789	.1789	.1783	.1786	.1789	.1789	.1789	.1789	.1789
9	.7311	.7283	.7274	.7266	.7257	.7249	.7241	.7233	.7225	.7225
Coordi- nates	.7115	.7098	.7089	.7081	.7073	.7064	.7056	.7048	.7040	.7040
y	.1799	.1796	.1795	.1793	.1792	.1791	.1789	.1788	.1787	.1787
z	.0330	.0329	.0329	.0329	.0328	.0328	.0328	.0327	.0327	.0327
Y	.7115	.7104	.7098	.7092	.7087	.7081	.7076	.7070	.7065	.7065
Y	.1739	.1797	.1796	.1795	.1794	.1793	.1792	.1792	.1791	.1791
z	.0330	.0329	.0329	.0329	.0329	.0329	.0328	.0328	.0328	.0328
1	.0009	.0006	.0007	.0007	.0007	.0006	.0006	.0005	.0005	.0005
2	.0054	.0060	.0060	.0061	.0062	.0063	.0064	.0064	.0065	.0065
3	.0241	.0242	.0242	.0243	.0243	.0244	.0244	.0244	.0245	.0245
4	.0160	.0173	.0173	.0176	.0178	.0180	.0182	.0184	.0185	.0185
5	.0288	.0285	.0286	.0287	.0288	.0288	.0289	.0290	.0290	.0290
6	.0137	.0137	.0137	.0136	.0136	.0136	.0136	.0136	.0136	.0136
7	.1750	.1760	.1760	.1760	.1760	.1761	.1761	.1761	.1761	.1761
8	.1730	.1789	.1785	.1780	.1785	.1770	.1774	.1779	.1784	.1784
9	.7311	.7283	.7274	.7266	.7257	.7249	.7241	.7233	.7225	.7225
Coordi- nates	.7115	.7098	.7089	.7081	.7073	.7064	.7056	.7048	.7040	.7040
y	.1799	.1796	.1795	.1793	.1792	.1791	.1789	.1788	.1787	.1787
z	.0330	.0329	.0329	.0329	.0328	.0328	.0327	.0327	.0327	.0327

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/c									
		1	2	3	4	5	6	7	8	9
1	.0057	.0057	.0056	.0056	.0056	.0055	.0055	.0055	.0054	.0054
2	.0213	.0214	.0204	.0215	.0215	.0216	.0216	.0207	.0207	.0208
3	.0277	.0277	.0278	.0278	.0278	.0278	.0279	.0279	.0279	.0280
4	.0323	.0324	.0325	.0327	.0328	.0329	.0330	.0332	.0333	.0334
5	.0216	.0216	.0217	.0217	.0218	.0218	.0219	.0219	.0220	.0220
6	.0262	.0262	.0262	.0262	.0262	.0262	.0261	.0261	.0261	.0261
7	.0282	.0282	.0282	.0283	.0283	.0283	.0283	.0283	.0283	.0284
8	.1676	.1679	.1683	.1686	.1690	.1693	.1696	.1700	.1703	.1706
9	.6777	.6694	.6689	.6693	.6677	.6672	.6666	.6661	.6655	.6650
Coordinates:										
X	.6447	.6441	.6455	.6444	.6444	.6438	.6432	.6427	.6421	.6416
Y	.0913	.0913	.0912	.0911	.0910	.0909	.0918	.0907	.0906	.0906
Z	.0209	.0209	.0209	.0218	.0208	.0206	.0208	.0207	.0207	.0207
1	.0057	.0056	.0056	.0055	.0055	.0055	.0054	.0054	.0053	.0053
2	.0213	.0214	.0205	.0215	.0216	.0217	.0218	.0209	.0209	.0210
3	.0277	.0277	.0278	.0278	.0279	.0279	.0280	.0280	.0280	.0281
4	.0323	.0325	.0327	.0329	.0330	.0332	.0334	.0336	.0338	.0339
5	.0216	.0217	.0217	.0218	.0219	.0220	.0220	.0221	.0222	.0222
6	.0262	.0262	.0262	.0262	.0261	.0261	.0261	.0261	.0261	.0261
7	.0282	.0282	.0283	.0283	.0283	.0283	.0284	.0284	.0284	.0284
8	.1676	.1681	.1686	.1692	.1697	.1702	.1707	.1711	.1716	.1721
9	.6777	.6691	.6683	.6674	.6666	.6657	.6649	.6641	.6633	.6625
Coordinates:										
X	.6447	.6458	.6449	.6441	.6432	.6424	.6415	.6407	.6399	.6391
Y	.0913	.0912	.0911	.0910	.0910	.0911	.0910	.0904	.0903	.0902
Z	.0209	.0209	.0208	.0218	.0218	.0217	.0207	.0207	.0206	.0206

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GNP/c									
	1	2	3	4	5	6	7	8	9	Y
1	.0560	.0590	.0540	.0540	.0540	.0540	.0540	.0540	.0540	.0540
2	.0221	.0221	.0222	.0222	.0222	.0222	.0222	.0222	.0222	.0222
3	.0214	.0215	.0215	.0215	.0215	.0215	.0215	.0215	.0215	.0215
4	.0291	.0293	.0293	.0293	.0293	.0293	.0293	.0293	.0293	.0293
5	.0301	.0302	.0302	.0302	.0302	.0302	.0302	.0302	.0302	.0302
6	.0106	.0106	.0106	.0106	.0106	.0106	.0106	.0106	.0106	.0106
7	.0104	.0104	.0105	.0105	.0105	.0105	.0105	.0105	.0105	.0105
8	.0724	.0728	.0731	.0731	.0731	.0731	.0731	.0731	.0731	.0731
9	.0929	.0818	.0812	.0826	.0801	.0795	.0790	.0784	.0779	.0774
Y	.0626	.0625	.0609	.0603	.0598	.0592	.0587	.0581	.0576	.0576
X	.0715	.0713	.0712	.0712	.0711	.0710	.0709	.0708	.0707	.0707
Z	.0372	.0371	.0370	.0370	.0370	.0370	.0370	.0370	.0370	.0370
1	.0550	.0549	.0548	.0548	.0548	.0547	.0547	.0546	.0546	.0546
2	.0221	.0221	.0222	.0223	.0224	.0225	.0226	.0226	.0226	.0227
3	.0214	.0215	.0215	.0216	.0216	.0217	.0217	.0217	.0217	.0218
4	.0291	.0293	.0297	.0298	.0299	.0292	.0294	.0296	.0296	.0297
5	.0301	.0302	.0303	.0304	.0305	.0305	.0306	.0307	.0307	.0307
6	.0106	.0106	.0106	.0106	.0106	.0106	.0106	.0106	.0106	.0106
7	.0104	.0104	.0105	.0105	.0105	.0105	.0105	.0105	.0105	.0105
8	.0724	.0728	.0731	.0742	.0747	.0752	.0756	.0761	.0766	.0771
9	.0929	.0812	.0803	.0795	.0786	.0778	.0773	.0762	.0754	.0754
Y	.0626	.0609	.0600	.0592	.0584	.0575	.0567	.0559	.0551	.0551
X	.0715	.0712	.0711	.0710	.0708	.0707	.0706	.0705	.0703	.0703
Z	.0372	.0371	.0371	.0371	.0370	.0370	.0370	.0370	.0370	.0370

Region: Japan
 Services

62
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 nates

Projections of Input Coefficients for 1990 and 2000

Inputs from	Annual average rates of growth of GDP/o								
	1	2	3	4	5	6	7	8	9
1	.0148	.0147	.0147	.0147	.0146	.0146	.0146	.0145	.0145
2	.0141	.0141	.0142	.0142	.0143	.0143	.0144	.0144	.0145
3	.0174	.0175	.0175	.0175	.0176	.0176	.0176	.0176	.0177
4	.0152	.0154	.0156	.0157	.0159	.0159	.0161	.0162	.0163
5	.0290	.0290	.0290	.0291	.0291	.0292	.0292	.0293	.0293
6	.0145	.0145	.0145	.0145	.0145	.0144	.0144	.0144	.0144
7	.0123	.0123	.0124	.0124	.0124	.0124	.0124	.0124	.0125
8	.0108	.0105	.0108	.0112	.0115	.0116	.0122	.0125	.0128
9	.0925	.0914	.0918	.0912	.0897	.0891	.0896	.0880	.0875
10	.0740	.0728	.0733	.0737	.0711	.0706	.0700	.0695	.0690
11	.0822	.0820	.0819	.0819	.0818	.0817	.0816	.0815	.0814
12	.0329	.0329	.0329	.0328	.0328	.0328	.0328	.0326	.0327
13	.0148	.0147	.0146	.0146	.0146	.0145	.0145	.0144	.0144
14	.0141	.0142	.0142	.0143	.0144	.0145	.0146	.0146	.0147
15	.0174	.0175	.0175	.0176	.0176	.0177	.0177	.0177	.0178
16	.0152	.0154	.0154	.0154	.0161	.0163	.0165	.0167	.0168
17	.0290	.0290	.0291	.0292	.0293	.0293	.0294	.0295	.0295
18	.0145	.0145	.0145	.0144	.0144	.0144	.0144	.0144	.0144
19	.0123	.0124	.0124	.0124	.0124	.0125	.0125	.0125	.0125
20	.0108	.0108	.0114	.0119	.0124	.0129	.0133	.0136	.0143
21	.0925	.0908	.0904	.0891	.0882	.0874	.0866	.0858	.0850
22	.0740	.0723	.0714	.0706	.0697	.0689	.0681	.0672	.0664
23	.0822	.0814	.0818	.0817	.0815	.0814	.0813	.0812	.0810
24	.0329	.0329	.0328	.0328	.0328	.0327	.0327	.0327	.0326

Region: North America

Country: Serbia

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Notes:

Notes:

