Part III: Vietnam's Export Potential and Quality of Growth

Chapter Seven

VIETNAM'S EXPORT POTENTIAL

7.1 Introduction

Countries at any level of development must rely on international exchanges for the resources that they themselves lack. Trade must bridge gaps not only in natural resources but also in technological know-how and skills; and in the case of the less-developed countries these latter gaps are immense and growing. Communications and trade connecting these countries with the outside world represent the vital umbilical cord nurturing their growth (Keesing, 1967: 312).

Figure 7.1 shows an overview of the ASEAN-5's patterns of manufactured exports over 1990-2007. Over this period, the Philippines' shares of manufactures in total merchandise exports were highest, peaked at 92 per cent in 1999 and settled at 86.3 per cent in 2007. While those of Malaysia peaked at 80 per cent in four consecutive years from 1999 to 2002 and settled at 72 per cent in 2007, Thailand reached the highest at 77 per cent in 2007. Meanwhile, Indonesia's manufacturing exports fluctuated over this period from the lowest 35 per cent in 1990, peaking at 57 per cent in 2000 and gradually declining to 43 per cent in 2007.

Figure 7.1: ASEAN-5's Share of Manufactures in Total Merchandise Exports, 1990-2007, (%)



Note: Vietnam's data are available from 1997 only. Source: World Bank database. Generally speaking, while the second-tier NICs' patterns of manufactured exports seem to reach a saturation point in trading to the world, Vietnam has experienced an increasing trend from 44 to 53.6 per cent between 1997 and 2007. The question is how much more room for development of Vietnam's manufactured exports? In other words, what is Vietnam's manufacturing export potential?

According to CIEM (2002: 87-8), Vietnam's trade sector and economic structure is somewhat anomalous with its resource endowment and level of development. One anomaly is the relatively small share of manufacturing in domestic production and exports. Within manufacturing, another anomaly is the relatively small share contributed by small and medium sized (SMEs) export-oriented companies, and particularly private ones. Although there are these anomalies, it is apparent that the manufacturing sector is growing considerably, and that the role of export-oriented SMEs is expanding, especially in the last few years.

As concluded in Chapter Five with respect to Vietnam's competitiveness that findings of two approaches, the constant market share model and the WEF's global competitiveness index rankings, point to different directions raised concerns about the quality of Vietnam's economic growth and its export potential. While the next Chapter Eight will explore the quality of Vietnam's growth, this chapter will probe Vietnam's export potential to see whether Vietnam has a good foundation for sustaining a high growth in the long run, in order to enhance its standard of living as well as to achieve the NIC status by 2020 as discussed in Chapter Six.

To specifically explore those abovementioned questions, the remainder of this chapter is organised as follows. Section 7.2 briefly reviews the Heckscher-Ohlin model to understand the national export structure. While Section 7.3 discusses Vietnam's and the ASEAN-4's actual export structures, Section 7.4 explores their predicted export ones based on the two variables, average years of education of the workforce and square kilometres of land per 100 workers (decomposed to skill-intensive and labourintensive manufacturing export). Finally, Section 7.5 concludes this chapter.

7.2 Overview of the Heckscher-Ohlin Model to Understand the National Export Structure

While the Ricardian model focuses only on one factor of production, which is labour as a required element for producing goods and services, the Heckscher-Ohlin (H-O) model expands the number of factors of production from one to two, which are labour and capital in the production of two final goods. This model defines the ratio of the quantity of capital to the quantity of labour used in the production process as the capital-labour ratio. This implies that different industries in the same country (or different countries) producing different products have different capital-labour ratios.

Now, let us suppose a country produces two different types of goods, for instance agricultural (A) and manufacturing (M). An assumption must be made as to which industry has the larger capital-labour ratio, it must be M in this case; and the other good A, must have a large labour-capital ratio. The good M produced by the former is called capital-intensive, and the good A produced by the latter is called labour-intensive. The production of capital-intensive or labour-intensive goods depends mainly on whether a country's resource endowments are abundant in capital or in labour. In general, while the developed countries (North) are capital-abundant relative to developing countries (South), the South are labour-abundant relative to the North, since the North has a larger ratio of capital per unit of labour than the South's ratio. Based on this notion, the H-O theorem predicts the pattern of trade between countries, and it confirms that a capital-abundant country will specialise in exporting the capital-intensive one (A).

Beside the H-O theorem, there are three other main theorems associated with the H-O model: (1) the Stolper-Samuelson theorem; (2) the factor-price equalization theorem; and (3) the Rybczynski theorem. In this chapter, we discuss only the latter, the Rybczynski theorem. The Rybczynski theorem expresses the association between changes in national factor endowments and changes in the production of the final goods within the context of the H-O model. In brief, it says that when a country's factor endowment increases, it will cause an increase in production of the good, which uses that factor intensively, and consequently a decline in the production of the other

good. This theorem is useful in addressing issues such as population growth, labour force growth and human skill growth etc.; of course, all within the context of the Heckscher-Ohlin model.

Let us have a look at Figure 7.2 to verify the Rybczynski theorem. The production possibility frontier PPF_A and PPF_M represent the labour constraint and the capital constraint respectively. Suppose that the production initially occurs at point O, the intersection between PPF_A and PPF_M . Now, if there is an increase in labour endowment, causing a parallel shift in the labour constraint to the right from PPF_A to PPF_{AI} ; the production will shift from point O to P, which means the agricultural products, a type of labour-intensive good, will rise from A to A₁; and the manufactured good, a type of capital-intensive good, will fall from M to M₁. On the other hand, if the capital-intensive endowment rises, the capital constraint PPF_M will shift right outward to PPF_{MI} , causing a shift of point O to point Q. Consequently, the manufactured good M will increase to M₂, and the production of agriculture will decrease from A to A₂.





It is noted that the difference between the Ricardian and Heckscher-Ohlin model is the former postulates the difference of production technologies between countries, while the latter assumes that production technologies are the same. Also, the Heckscher-Ohlin model assumes there are no differences in the aggregate preferences between countries. The only difference exists is that different countries have different resource endowments, and this major discrepancy is sufficient to cause different *PPFs* in the two countries such that equilibrium price ratios would differ in autarky.

Mayer and Wood (2001: 6) state that countries tend to export goods whose production makes intensive use of abundant resources in that field, and conversely to import goods which require large inputs of resources that are locally scarce. The resources whose varying supply among countries causes this variation in export composition are three broad ones: skill (or 'human capital', acquired through education and training); land (meaning natural resources of all sorts); and labour (the number of people in the workforce).

However, Mayer and Wood leave out the capital factor (physical or financial) from the list of resources with the reason that capital nowadays is highly mobile among countries, and the cost of capital is similar in most countries as domestic capital markets are linked to international capital markets. So, comparative advantage in merchandise exports among countries is not influenced by the capital intensity factor. Furthermore, if a country has a comparative advantage in a good because of the abundance of a resource, then it can usually obtain the capital needed to develop this resource, either from domestic savings or international borrowings. They also claim that, although both labour and skill are also internationally mobile to some extent, only a small fraction of the world's labour force and skilled workers is able to move among countries.

7.2.1 Data, Methodology and Limitations

Based on Heckscher-Ohlin model (particularly the Rybczynski theorem) of comparative advantage in international trade, Mayer and Wood (2001) develop a model explaining variation among countries in the share of manufactured exports as a consequence of variation in their relative supplies of only two of the three resources: skill and land (instead of capital and labour in the H-O model). Manufactures (as the good M in Section 7.2) of course need a more educated labour force than agriculture, and thus require a much higher ratio of skill to land. This means that countries with high ratios of skill to land tend to export manufactures, and countries with low ratios of skill to land tend to export primary products. Based on this idea and assuming that

manufacturing and primary production are equally labour-intensive, as well as bringing all three resources into the model, Mayer and Wood regress the following equation in their cross-country study for 111 nations:

$$(Xm/Xp) = a + \beta h_i - \gamma n_i + p_i + u_i$$
[7.1]

where: Xm = exports of manufactures;

Xp = exports of primary products; h_i = ratio of skill to labour in country *i*; n_i = ratio of land to labour in country *i*; p_i = total adult population (15-64 years old) in country *i*; a = intercept; and u = error term.

The skill ratio h expresses as skill per worker (measured in the labour force's average years of school), the land ratio n as land per worker (measured in the country's total land divided by the adult labour force), and the variable p_i used as the country's size to capture possible effects of that country's economies of scale. All the variables are expressed in logarithms. Mayer and Wood (2001) also insist that this specification can be used to explain variation among countries in the composition of manufactured exports. However, since all manufacturing requires only small inputs of land, the ratio of skill-intensive to labour-intensive manufactured exports is not affected much by cross-country variation in n, and depends mainly on variation in h: the share of skill-intensive items in manufactured exports to be greater in countries with more skill per worker.

In addition, according to OECD (2003), growth in output per employed person is partly attributable to increases in the average level of skill (or human capital) of those in employment, and educational attainment accounts for a good proportion of human capital embodied in workers. Barro (1991) presents evidence from a broad crosssection of countries, supporting the hypothesis that human capital formation, measured by average years of schooling, is an important contributor to growth. More specifically, Dowrick (2002) insists that countries at a given level of development tend to experience faster rates of growth if they start off with a higher proportion of teenagers in secondary education, and an increase of one year of schooling in the average educational attainment in the workforce, for example, can be expected to increase the level of output by around eight percent in a typical OECD country.

However, the skill per worker measured by the average school years of the adult population is not an ideal and specific indicator to reflect a true situation of the education quality of a country's labour force, because it does not mention some other channels of education system such as special short courses, on-the-job training etc., as well as cross-country differences in the quality of curriculum, teachers, school facilities, size of classrooms and in particular each country's specifically cultural tradition etc. There is strong cross-country correlation between years of schooling and other aspects of skills; countries with longer schooling tend to provide better quality schooling (Barro and Lee, 1997). Likewise, with respect to land per worker, the use of total land area obviously is not a good gauge of natural resources availability as countries have different land size and quality: arable land and non-arable land such as desert, forest, mineral ores and oil field etc. Particularly Vietnam and Indonesia, among the ASEAN-5, are oil exporters and thus, using total land area may underestimate their natural resources potential. Consequently, the calculations of their manufactured exports potential may be less accurate and overestimated.

Despite the above, the ratio of skill per worker to land per worker, using the adult labour force's average years of education and square kilometres of land per worker, is still a useful and practical way to investigate the development potential of a country's manufacturing sectors. As stated by Mayer and Wood (2001: 9):

It is an unbiased measure, because what each country has, per square kilometre of its surface area, in terms of soil fertility, water resources, minerals and so on, can be regarded as the outcome of a random draw. All resource availability measures are of relative quantities rather than relative prices, even though it is fundamentally the relative cheapness of abundant factors that gives a country a comparative advantage in goods that use them intensively. One reason for using quantity data is that H-O theory predicts that trade reduces (or even eliminates) inter-country differences in factor prices by raising the demand for abundant resources and reducing the demand for scarce ones, making prices in principle a less reliable indicator of the relative abundance of resources. Another, more practical reason, is that relevant and comparable data on the prices of skill, land and labour do not exist for most countries.

Worth noting is that lacking of data on education prevents us establishing a specific model for the ASEAN-5; we therefore use the Mayer and Wood equation [7.1] above, which can fully be presented in logarithms as follows:

$$Ln(X_m/X_p) = -7.43 + 1.44 Ln(skill/worker) - 0.57 Ln(land/worker) + 0.27 Ln(L) [7.2]$$

$$(-9.0)^{75} (7.1) (-6.3) (2.9) R^2 = 0.62$$

With respect to division of manufactured exports between skill-intensive and labourintensive product categories,⁷⁶ Mayer and Wood regression is estimated using a smaller set of sixty-nine nations whose manufactures account for 10 per cent at least of total exports. The regression is presented in the following logarithm equation:

$$Ln(X_{sim}/X_{lim}) = -3.7 + 1.59Ln(skill/worker) - 0.07Ln(land/worker) + 0.01Ln(L)$$
[7.3]
(-4.1) (6.2) (-0.8) (0.1) R² = 0.38

where: X_m = exports of manufactures;

 X_p = exports of primary products;

 X_{sim} = exports of skill-intensive manufactures;

 X_{lim} = exports of labour-intensive manufactures; and

L = total adult population (15-64 years old).

Obviously, in both equations [7.2] and [7.3], the largest and most significant coefficient is the skill per worker (average adult years of schooling), which means countries with higher average adult years of schooling tend to export more skill-intensive product categories than labour-intensive and agricultural product categories

⁷⁵ The figures in parentheses are t-statistics at the 0.01 significant level.

⁷⁶ Mayer and Wood classify labour-intensive and skill-intensive as follows. (1) *Labour-intensive*: leather and rubber products (SITC2 61-62); wood and paper products (63-64); textiles, clothing, footwear and travel goods (65, 83-85); non-metallic mineral products (66 less 667); iron and steel and metal products (67, 69); furniture and plumbing equipment (81-82); ships, bicycles and trains (78 less 781-784; 79 less 792) and miscellaneous (89, 9 less 941, 971). (2) *Skill-intensive*: chemicals (5 less 522. 24; 522. 56, 524); cut diamonds (667. 29); non-electrical machinery (71-74); computers and office equipment (75); communication equipment (76); electrical machinery (77); motor vehicles and aircraft (781-784; 792) and scientific instruments, watches and cameras (87, 88). Note: The SITC 5-8 categories allocated to primary rather than manufactured exports are phosphorus pentoxide and phosphoric acids (522. 24); aluminium hydroxide (522. 56); radioactive material (524); pearls and precious stones, except cut diamonds (667 except 667. 29) and non-ferrous metals (68).

as in countries with lower levels of skill per worker. The coefficients of the other two variables in equation [7.3], square kilometres of land per worker and total adult population, are small and statistically insignificant as well as the coefficient of determination of the regression ($R^2 = 0.38$). Therefore, Mayer and Wood's model tends to be biased in favour of education variable; particularly only 38 per cent of the variability in the ratio of skill-intensive to labour-intensive can be explained by the variables on the right-hand side of the equation [7.3].

Nevertheless, Mayer and Wood's model can be useful to relatively predict a country's economic structure based on the level of education of the workforce and land per worker.

Data on education, specifically average years of schooling are obtained from Barro and Lee, while all other data are obtained from the World Bank database.

7.3 ASEAN-5's Actual and Predicted Export Structures

Table 7.1 shows an overview of the ASEAN-5's export structures in 2000 and 2007. While Thailand and Vietnam experienced an export decline by 1.8 and 4 percentage points respectively in agriculture; Indonesia, Malaysia and the Philippines increased their agricultural exports by 8.5, 3.6 and 1 percentage points respectively. This can be seen as Malaysia and Indonesia have more land per worker than the other countries in the group as illustrated in figures 7.3 and 7.5 below. With respect to fuels and mining products, while all the ASEAN-4 countries increased their exports in this sector, Vietnam dropped its fuels and mining exports by 5.5 percentage points, from 27.7 to 22.2 per cent. However, while manufactured exports of Indonesia, Malaysia and the Philippines declined by 15, 9 and 5.4 percentage points respectively over this period; the share of Vietnam's exports in this sector increased significantly by nearly 10 percentage points, from 44 to 54 per cent, and that of Thailand was stable at 77 per cent of total exports.

		2000		2007			
	Agriculture	Fuels & Mining	Manufactures	Agriculture	Fuels & Mining	Manufactures	
Indonesia	12.2	29.7	58.1	20.7	36.5	42.9	
Malaysia	8.2	10.7	81.0	11.8	16.1	72.1	
Philippines	5.3	3.0	91.7	6.3	7.3	86.3	
Thailand	18.3	4.5	77.2	16.5	6.3	77.1	
Vietnam	28.2	27.7	44.1	24.2	22.2	53.6	

Table 7.1: ASEAN-5's Merchandise Export Structure Between 2000 and 2007 (%)

Source: World Bank database.

It is noted that in 2007, Vietnam and Indonesia still have highest potential in agricultural exports with more than 20 per cent of total merchandise exports. Also, the share of fuels and mining exports of Vietnam and Indonesia was more than 20 and 30 per cent respectively, compared with more than 10 per cent only for Malaysia and less than 10 per cent for the Philippines and Thailand. This raises somewhat limitations of Mayer and Wood model when using total land area as a variable as discussed earlier.

The following Table 7.2 and figures 7.3 and 7.4 present the ASEAN-5's square kilometres of land per 100 workers and average years of school of the labour force (between 15 and 64 years old). In the first figure, it is noticeable that the Philippines'

and Vietnam's patterns almost overlap on each other as one single line. This is because Vietnam's area (325,490 square km) is slightly larger than that of the Philippines (298,170 square km), and concomitantly the size of Vietnam's labour force with 53,940,579 workers is also a little larger than that of the Philippines with 50,644,619 workers (World Bank data for 2005).

On the other hand, the data on average years of education in Figure 7.4 also show a somewhat good match in the level of education between Vietnam and the Philippines. These interesting factors would draw a quick conclusion that Vietnam's manufactured exports potential would reach a level of around 90 per cent of total merchandise exports as in the case of the Philippines (see Figure 7.1). This statement will be next demonstrated mathematically with more details by using the equation [7.2].

Table 7.2: ASEAN-5's Average Years of Education of Labour Force and SquareKilometres per 100 Workers for 1990, 2000 and 2005

	1	990 ·	2	000	2005		
	Average Years of Education	Square Km per 100 Workers	Average Years of Education	Square Km per 100 Workers	Average Years of Education	Square Km per 100 Workers	
Indonesia	4.01	1.68	4.55	1.35	4.99	1.24	
Malaysia	6.03	3.08	6.49	2.30	6.80	2.06	
Philippines	7.28	0.87	7.88	0.67	8.21	0.59	
Thailand	5.58	1.46	6.08	1.22	6.50	1.15	
Vietnam	6.28	0.88	6.74	0.68	7.20	0.60	

Source: Data on average years of education for the ASEAN-4 are obtained from Barro and Lee, while those of Vietnam are obtained from Vietnam GSO.

Figure 7.3: ASEAN-5's Square Kilometres of Land per 100 Workers, 1980-2005



Source: World Bank database.

In general, the ASEAN-5's patterns in figures 7.3 and 7.4 show an opposite trend. While the trend in the former is declining because of growing population in each country, the one in the latter is increasing as countries developing over time usually improve their level of education. In 2005, Vietnam's and the Philippines' labour force was largest, crowded with 0.6 square kilometre of land per 100 workers, then came Thailand, Indonesia and Malaysia with 1.15, 1.24 and 2.06 square kilometres respectively.

Also, in the same year, Vietnam's and the Philippines' average years of education of the labour force were highest among the ASEAN-5 with 7.2 and 8.2 years respectively; while those of Indonesia, Malaysia and Thailand were 5.0, 6.8 and 6.5 years respectively.

Based on these two variables and Mayer and Wood model's argument that countries with higher ratios of skill to land tend to export manufactures and countries with low ratios of skill to land tend to export primary products. This seems to be true for the second-tier NICs but not for Vietnam at the present time, although Vietnam's level of education of the labour force was the second highest in the group after the Philippines; since the share of manufactures of these countries was much higher than their combined share of agriculture and fuels and mining, while that of Vietnam was an inverse until 2007 this ratio was slightly higher for manufactures. If Mayer and Wood's model applied to Vietnam is right, then Vietnam must still have a large untapped potential in manufactured exports.



Figure 7.4: ASEAN-5's Average Years of Education of Labour Force, 1980-2000

Source: ASEAN-4's data on average years of education are obtained from Barro and Lee (2000); while those of Vietnam are obtained from Vietnam GSO.

Figure 7.5 combines together the ASEAN-5's two factors, average years of schooling and square kilometres of land per 100 workers at five-year intervals from 1980 to 2000. Over the period covered by the figure, each country moved upwards to the left reflecting an increase in average years of schooling and the population growth over time as mentioned above.

While Vietnam and the Philippines have more years of schooling and less land per worker than the others in the group, Malaysia has a combination of both more skill per worker than Indonesia and Thailand, and more land per worker than any other country in the group. Also, as previously mentioned, Mayer and Wood estimated the regression and produced equation [7.2] based on data of 111 countries in 1990. We therefore use the ASEAN-5's data for this year to track their untapped potential in manufacturing sector. However, there were only small disparities between this year's results and those of 2005 as variation of the two variables, average years of education of the labour force and square kilometres of land per worker, is very minimal in a relatively short span of time such as ten or fifteen years; particularly the latter variable would never have a significant change.

Figure 7.5: ASEAN-5's Average Years of Schooling and Square Kilometres of Land per 100 Workers, 1980-2000 (5-year intervals)



Note: Data for Vietnam are available for 1990, 1995 and 2000 only. Sources: World Bank database, Barro and Lee (2000) and Vietnam GSO.

In this part, we only apply the data into equation [7.2] for Vietnam as an example; the calculations for the ASEAN-4 are not mentioned here and their results are presented together with those of Vietnam in Figure 7.6 below.

$$Ln (X_m/X_p) = -7.43 + 1.44 Ln (6.28) - 0.57 Ln (0.0088) + 0.27 Ln (37157114)$$

= -7.43 + 1.44 (1.837) - 0.57 (- 4.733) + 0.27 (17.431)
= 2.619
=>X_m/X_p = 13.728 [7.8]
=>X_m/X = 13.728 ÷ (1 + 13.728)
=>X_m/X = 0.93 [7.9]
(X is total merchandise exports.)

The results suggest that if Vietnam knows how to take advantage of its untapped potential in developing the manufacturing sector to the fullest, then its estimated earnings from manufacturing exports might amount to 1,372 per cent of those from agricultural exports. Most importantly, there is still room for around 40 per cent of manufactured exports to develop as stated by Jenkins (2004) that: 'Given its factor endowment, Vietnam should have a much higher level of exports of labour-intensive manufactures than it had in the late 1990s'. Also, as Ebashi (1997: 65) remarks:

Vietnam has not been able to make full use of its economic potential, despite its large and industrious work force imbued with strong entrepreneurial spirit, its relatively rich natural resources, and to favourable geographical location. In the past, socialist ideology and the international environment did not allow Vietnam to develop such potential. However, since the introduction of Doi-Moi, Vietnam has been liberated from the custody of that ideology and the international environment has turned favourable for Vietnam. Now, Vietnam seems well launched on a path of high growth through the realisation of the potential of its innovative farmers and private sector, aided by international cooperation.

In addition, it is noted that a study of the International Monetary Fund (2006) used the gravity model to regress an equation in which the dependent variable is the bilateral trade of 182 countries in 2002 with 32,942 observations. The result for Vietnam, although did not determine its predicted export structure as analysed in this chapter, however the IMF's study did confirm that: 'The differences between the actual and predicted trade values between Vietnam and the APEC countries, as well as the Asia and Pacific region as a whole, indicate that there is still, on average, some unexploited trade potential' (IMF Country Report, 1/2006: 27). Figure 7.6 below presents the ASEAN-5's actual and predicted export structure of manufacturing exports in 2007.

While it appears that Malaysia, the Philippines and Thailand have used their manufactured production potential to the fullest with an untapped gap as little as 10 per cent, 8 per cent and 13 per cent respectively, Indonesia and Vietnam still have a large untapped potential with 44 and 39 per cent respectively. It is noticeable that Indonesia's untapped potential of 44 per cent from this study is consistent with a conclusion from the IMF Country Report, using the gravity model, in which it states that: 'It is found that Indonesia under-trades with the world economy by around 40 per cent below potential trade, after controlling for size, the level of development and geography' (IMF, Country Report, August 2007: 10).



Figure 7.6: ASEAN-5's Actual and Predicted Structure of Manufactured Exports (%)

Note: Untapped potential is the difference between the actual and predicted manufactured exports. Source: Author's estimates based on WTO database.

7.4 Actual and Predicted Skill-Intensive and Labour-Intensive Manufactured Export Structure

With regard to Vietnam's development potential in skill-intensive and labourintensive manufactured exports, the results can be drawn by applying the equation [7.3] above.⁷⁷

Likewise, based on average adult years of education, square kilometres of land per worker and the labour force between 15 and 64 years old, the predicted earnings from skill-intensive manufactured exports would amount to 76 per cent of earnings from labour-intensive manufactured exports, or equivalent to 43 per cent of total manufactured exports compared with 53 per cent of labour-intensive manufactured exports (93 per cent minus 40 per cent). Therefore, with respect to total merchandise exports, the potential of Vietnam in skill-intensive manufactured exports would amount to 40 per cent. Figure 7.7 summarises the prospects of the ASEAN-5's exports composition when these countries' human capital and natural resources potential is fully exploited.

In brief, if human capital and natural resources were fully exploited, Vietnam's exports structure would encompass 53 per cent of labour-intensive manufactures, 40 per cent of skill-intensive manufactures and 7 per cent of primary products. It is noted that the 7 per cent of agriculture exports appears to correspond with the projected 11 per cent of Vietnam's agricultural output in 2020 as discussed in Chapter Six.

Among the ASEAN-5, the Philippines is the only country that has higher skillintensive manufactures than Vietnam with 46 per cent; followed by Thailand with 34 per cent, then Malaysia and Indonesia with 27 and 23 per cent respectively.

Indonesia has the largest labour force in labour-intensive manufactures with 64 per cent of total merchandise exports, while this ratio for Malaysia, the Philippines and Thailand is 55 per cent, 48 per cent and 56 per cent respectively.

⁷⁷ It should be emphasised that the calculations provided by Mayer and Wood equation [7.3] are only relative indicators with statistical limitations as discussed earlier.



Figure 7.7: ASEAN-5's Predicted Exports Composition (%)

Source: Author's calculation based on WTO database.

It should be emphasised again that the ASEAN-5's untapped potential in manufacturing exports drawn from Mayer and Wood's model provides only as a relative measure to estimate a country's economic structure based on the level of the labour force's education and land resources. It should be concluded that Vietnam has the potential for much increased manufacturing exports without providing an appropriate percentage quantity due to statistical limitations of the model, particularly the unreliability of the equation [7.3] with a relative strength of 38 per cent only.

Figure 7.8 discusses the optimal reallocation of resources for Vietnam. Let us assume that the initial allocation of resources for Vietnam is optimal and that production of manufactures and primary products is located on the production possibility frontier as at point O. As discussed in Figure 7.2 of section 7.2 regarding the H-O model, there is a trade-off between the production of manufactures and primary products. In other words, any increase in the production of manufactures must transpire at the expense of the primary sector. A movement along the PPF curve from point O to point B will increase the production of manufactures from M to M_1 , and at the same time cause a decrease in the production of primary products from A to A_1 .

If Vietnam allocates resources that are sub-optimal, the production will take place within the production possibility frontier such as at point C; a better allocation of resources would shift C to C', where the production of both manufactures and primary products consequently raises to M_2 and A_2 respectively.



Figure 7.8: Optimal Reallocation of Resources

However, if Vietnam allocates resources to such point as D, there is no capacity for increasing production in primary sector as the dotted line A_1DB represents the country's production possibility frontier that has reached zero marginal productivity in primary production. This means any additional worker assigned to agriculture will not produce any additional output, while raising the number of workers sharing the same incomes in the agriculture sector and thus lower their wages. This is probably true in the case of Vietnam when the square kilometres of land per 100 workers are very small at 0.60 as mentioned in the previous section. Therefore, a better allocation of resources in this case would be a movement of point D along side the dotted line A_1D to B, causing an increase in the production of manufactures from M to M_1 while leaving the production of primary products unchanged at A_1 . Belser (2000: 16) states as follows:

There is currently a large labour surplus in Vietnam's agriculture. The average amount of agricultural land per capita is less than one tenth of an hectare (UNDP, 1999a) and peasants are estimated to be working only 71 per cent of their time (GSO, 1999a). Thus, the agricultural labour force is already larger than what the limited available land can absorb. In such circumstances one may reasonably assume that marginal labour productivity is close to zero, and that each manufacturing job that is not created represents, in the countryside, one more mouth to feed with the same rice bowl. This implies that labour could be drawn from the primary sector into manufacturing without substantially reducing the production of primary goods.

7.5 Conclusion

It is of the best benefit for a country to inherit abundant natural resources in agriculture, fuels and mining. However, these natural assets of a nation are subject to diminishing returns in economic activities in the long run. Also, in simple arithmetical reason, the share of these sectors has a 'crowding-out' effect, lowering the scope for export of the other sectors in the country's GDP such as manufacturing, non-manufacturing and services, which are capable to produce increasing returns and high productivity to help the transition of a developing economy rapidly transforming to a developed one. Furthermore, unlike the export of natural resource-based products, manufacturing exports will help a country's trade balance due to imported inputs for production, and thus maintain a constant exchange rate and a stable economy. In developing countries just integrated into the global trade system like Vietnam, trade deficit in the initial stage of openness due to high proportion of imports of capital goods and intermediate inputs will keep a lower exchange rate, and consequently enhances Vietnam's export-led growth strategy.

Mayer and Wood's model suggests that if Vietnam knows how well to make the most of its human-capital and land resources potential, then it can maximise its manufactured exports potential to the fullest as there is still room for the growth of this sector; and simultaneously minimise its agricultural exports. However, as mentioned earlier, the use of Mayer and Wood's model is just a relative measure to predict a country's potential of manufactured exports because of the limitations of this model as discussed above, and the assumption that manufacturing and primary production are equally labour intensive. This assumption might be true for Vietnam and Indonesia but not so for the second-tier NICs. Furthermore, this model, although distinguishes between skill-intensive and labour-intensive production of an economy, but does not verify whether the classification of skill intensive is indicated by high or low value-added industries.

Nevertheless, relative to other developing countries and to the ASEAN-4, the analysis of this chapter, based on average years of education of the workforce and square kilometres of land per worker, and on the Mayer and Wood relationship, has simply

brought to light that Vietnam inherits both abundant natural resources in agriculture, fuels and mining and an educated labour force, and suggests that Vietnam has the potential for much increased manufacturing exports. In other words, there is substantial scope for further overall growth in Vietnam's total exports, as stated by Belser (2000) that 'Vietnam's high human capital and its large supply of labour relative to land suggest that there is scope for significantly raising manufacturing exports in the near future through a better allocation of resources'.

The fact that Vietnam has strong export potentials in three key areas of agriculture, mining and manufacturing may explain the divergent phenomenon of competitiveness as described in Chapter Five and mentioned earlier in the introduction of this chapter. This means that Vietnam's exports can continue to expand strongly in world markets for some time even if its structural and institutional competitiveness has been declining as shown by the WEF's rankings.

The results of the earlier chapters raise questions, however, about how effectively Vietnam is making use of the education and skills of its population in manufacturing, and hence whether this potential will be realised. Thus, the final chapter of the thesis will address issues surrounding the quality of Vietnam's growth, and hence of its ability, on current policies, to achieve its development path.

This chapter concludes with the following statement.

The Vietnamese economy is still facing numerous difficulties and challenges. The competitiveness of the economy remains low due to factors such as inadequate infrastructure, outdated technology, shortage of skilled workers, poor management and a handicapped business environment etc. The state sector is not yet efficient and has failed to take a leading role as expected while the private sector is still in the early stage of development. Export continues to rely mainly on natural resources, agriculture and other traditional products. The financial and monetary system remains weak. Unemployment and underemployment are still high (VinaTradeUSA, 2006).

Chapter Eight

THE QUALITY OF VIETNAM'S GROWTH

8.1 Introduction

In the long-run, development is largely about increasing the productivity of the labour force, so this is a useful lens through which to analyse the quality of growth and the likelihood that a given growth path will contribute to effective development. The World Bank (2008) states that to assess the capacity of countries in the region to sustain the rapid growth rates of recent years, it is important to determine the extent to which this growth has been accompanied by improvements in productivity. The neoclassical model of growth and a large body of supporting empirical literature have shown that productivity differences are an important determinant of differences in income levels across countries and that productivity growth is the ultimate driver of growth in the long run.

Indeed, the growth of an economy can be observed by the growth of labour productivity or vice versa, as there is a positive correlation between output growth and productivity growth. By definition, the total output growth is the sum of total input growth and total productivity growth. Therefore, it appears that higher (lower) output growth to be associated with higher (lower) productivity growth. And higher productivity growth helps the economy competitive with others by holding the product costs down. This will both keep inflationary pressures moderate and increase the profit, which will then be partly transferred to the workers' real wages. On the other hand, the increase of entrepreneurs' profit will facilitate more investments on research and development, new innovation, new machinery and technology as well as improve human capital by means of education and training. All these activities will further enhance output growth, and this business cycle will keep moving. The end result, thus, is that higher productivity growth contributes significantly to the economic well-being of a country and the quality of life of the workers, as Krugman (1990: 9) puts in his words: 'Productivity isn't everything, but in the long run it is almost everything. A country's ability to improve its standard of living over time depends almost entirely on its ability to raise its output per worker'.

Having said this, higher productivity growth must be the most important goal for developing countries to aim at in order to reduce poverty and maintain the living standards for both the working class and the aging dependent population; as well as simultaneously enhance their economic prosperity and international competitiveness.

The process of economic development in Vietnam witnesses a substantial reallocation of human resources from low value-added agriculture towards higher value-added industries such as manufacturing, non-manufacturing and services. The World Bank (2001: 12) also states that:

Every country that has successfully modernised labour has been drawn out of agriculture into higher value adding industries. Such a transition will be important in Vietnam not only to enable the industrial growth required to drive growth, but also to increase productivity and to enable agricultural wages to rise. If farmers are to enjoy the same real income gains as the population as a whole, the number of workers in agriculture will need to fall significantly over the decade.

This shift of employment has increased to some extent the labour productivity in agricultural sector, partly due to labour detachment. The services sector has grown in relative proportion to the reduction of employment in agriculture. However, the share of employment in Vietnam's services sector was lowest among the group over 1990-2006. Table 8.1 shows the sectoral shares of total output and total employment of China and the ASEAN-5 for two specific years 1990 and 2006. It is noted that while all countries' labour force experienced a shift from agriculture to manufacturing, non-manufacturing and services sector, the Philippines is the only country experienced a reduction of employment in manufacturing between two periods.

Vietnam faced remarkable challenges in resource reallocation of its economic structure because of serious structural distortions originated from the central planning policy before Doi-Moi, an oversized agricultural (collective farms) and heavy industry

sector (SOEs), and an underdeveloped manufacturing and services sector. That is why, by 2006, within the group, the share of Vietnam's agriculture and non-manufacturing outputs was highest at nearly 20 per cent, while the share of manufacturing and services sector was lowest at 23⁷⁸ and 38 per cent respectively. Nevertheless, Vietnam has gone a far way to higher shares of output and employment in manufacturing and non-manufacturing sector with output increased respectively from 13.9 and 12.3 per cent to 23.3 and 19.2 per cent; and from 7.2 and 4.9 per cent to 12.3 and 6.6 per cent for employment between 1990 and 2006. At the same time, one can see a dramatic change in the reduction of Vietnam's agricultural share of output and employment, from 33.6 and 73.7 per cent to 19.7 and 55.6 per cent respectively. These sectoral shifts reflect Vietnam's ambition to become a newly industrialising country by the year 2020.

		Agriculture		Manufacturing		Non-manufacturing Industry		Services	
		Output	Employment	Output	Employment	Output	Employment	Output	Employment
	1990	26.8	60.1	25.3	13.3	8.6	8.1	39.3	18.5
China	2006	10.8	42.6	34.0	14.6	15.1	10.6	40.1	32.2
	1990	19.5	56.0	22.3	10.5	19.0	3.2	39.3	30.3
Indonesia	2006	14.1	42.1	27.8	11.8	15.9	6.8	42.1	39.3
	1990	16.1	26.0	25.2	17.3	18.9	10.2	39.8	46.5
Malaysia	2006	8.2	14.4	32.8	17.7	16.7	12.6	42.2	55.1
	1990	17.9	45.2	23.5	10.3	9.1	4.7	49.5	39.7
Philippines	2006	14.8	37.0	21.7	8.7	7.6	5.8	55.9	48.5
	1990	11.8	64.0	25.6	9.5	10.1	4.5	52.4	22.0
Thailand	2006	7.8	42.6	36.3	15.2	8.6	5.0	47.3	37.2
	1990	33.6	73.7	13.9	7.2	12.3	4.9	40.3	14.2
Vietnam	2006	19.7	55.6	23.3	12.3	19.2	6.6	37.8	25.5

Table 8.1: China's and ASEAN-5's Sectoral Shares of Total Value Added (constant2000) and Total Employment, 1990 and 2006 (%)

Source: World Bank database, except China's employment data are from National Bureau of Statistics of China.

Worth noting is that while the average employment growth rate of Vietnam during the 1990s was 2 per cent per annum, this growth rate for 2000-06 was 2.4 per cent, indicating a faster growth in the recent period. The reasons for slower employment

⁷⁸ With the exception of the Philippines' share of manufacturing in total output at 21.7 per cent, slightly lower than that of Vietnam.

growth in Vietnam during the 1990s can be attributed several such as the policy of continued emphasis on import substitution and the promotion of heavy industry (World Bank 2001: 12), and a failure to take advantage of the country's comparative advantage in labour-intensive manufactured goods (Belser, 2000). As a result, capital-intensive industries are believed to have grown at a much faster rate than labour-intensive ones in the 1990s (Institute of Economics, 2002: 37).

According to Belser (2000: 27), between 1992 and 1997, the high growth of Vietnam's GDP was mainly led by the industrial sector which expanded at 13 per cent per annum. However, Vietnam's strong manufacturing growth has only had a moderate impact on industrial employment, which grew by 4 per cent per annum. This represents less than 30 per cent of the rate of industrial growth, while the Asian countries which followed export oriented growth strategies during the last three decades were able to raise industrial employment at annual rates close to 80 per cent of their industrial growth. Specifically, Jenkins (2004: 193) states that:

Between 1990 and 2000, around 6 million new jobs were created in Vietnam; of these about 1 million were in agriculture, forestry and fisheries. While the secondary sector contributed about 10 per cent, of which about 7 per cent were in industry and 3 per cent in construction; the vast majority of new jobs, around three-quarters of the total, were in services. The most important service sector was wholesale and retail trade and the repair of vehicles, which provided 40 per cent of all new jobs, followed by transport, storage and communications with 10 per cent of the total increase.

However, this trend has changed. Within the first six years from 2000, Vietnam's labour market provided around 5.7 million new jobs, increasing from 37.6 million to 43.3 million in 2006. Of which, while manufacturing sector increased 2.1 million workers (36.7 per cent), non-manufacturing sector increased 1.3 million new jobs (22.7 per cent),⁷⁹ and services sector expanded 2.8 million new jobs (49 per cent);⁸⁰

⁷⁹ Of 1.3 million new jobs in non-manufacturing sector, while mining and quarrying occupied 114,200 jobs (8.8 per cent) and electricity, gas and water supply took 90,700 jobs (7 per cent); the majority of new jobs were created in construction industry with 1.1 million jobs (84.3 per cent).

⁸⁰ Within the services sector, wholesale and retail trade, repair of motor vehicles, motor cycles and personal and household goods still obtained the highest portion with 1.2 million jobs (43 per cent of services employment); however transport, storage and communications took only 1.4 per cent of

agriculture and forestry lost nearly 1.1 million jobs (-18.4 per cent) and fisheries enlarged more than half million new jobs (10 per cent).

To investigate the quality of Vietnam's growth, the rest of this chapter consists of four sections. Section 8.2 discusses the aggregate productivity growth of the ASEAN-5 plus China, Section 8.3 looks into their sectoral productivity growth in agriculture, manufacturing, non-manufacturing and services. Section 8.4 discusses the issue of Vietnam's extensive and intensive growth, and Section 8.5 summarises and concludes the chapter.

employment in services. The industries gained more than 10 per cent increase of new jobs in the services sector were public administration and defence, compulsory social security (0.34 million jobs, 12 per cent); education and training (11 per cent, 0.3 million jobs); and community, social and personal service activities and private household (11.4 per cent, 0.32 million new jobs).

8.2 Aggregate Productivity Growth

Before moving to sectoral labour productivity, it is necessary to have basic concepts of the whole economy's labour productivity in general. Figure 8.1 presents the ASEAN-5's and China's total labour productivity growth over 1990-2006, which is divided into three sub-periods: (1) 1990-95, (2) 1995-2000, and (3) 2000-06 in order to detect the growth trend for each period. It is noted that labour productivity index is simply calculated by the ratio between output (value-added) index and labour index.

Figure 8.1: ASEAN-5's and China's Labour Productivity Growth, Specific Periods (%)



Source: Author's calculation based on World Bank database.

China's employment data are from National Bureau of Statistics of China (online).

Over the first period before the Asian financial crisis, the productivity growth was very high for all countries except the Philippines with an average negative growth of -0.8 per cent per annum. This happened because the Philippines' average growth rate of output at 2.2 per cent was lower than labour input growth of 3.1 per cent (see Table 8.2). At the same time, Vietnam's productivity growth was about the same as Indonesia and Malaysia at around 5.6 per cent average, which was below China and Thailand respectively at 10.6 and 8 per cent per annum.

Over the second period, the Asian financial crisis impacted badly Indonesian and Thai economy, causing an average negative productivity growth of -1.5 and -0.6 per cent respectively; whereas those of China, Malaysia and Vietnam declined by -3.3; -4.5 and -0.4 percentage points respectively. The Philippines, as discussed in Chapter Five, was the only country not influenced by this crisis with an increase of nearly 3

percentage points from the prior five-year period, from -0.8 to 2.1 per cent. This is because its average output growth during this period was 4.1 per cent, higher than 1.9 per cent average labour input growth.

Over the last period (2000-06), China was still leading in labour productivity growth with an average of 8.7 per cent per annum, followed by Vietnam (5.1 per cent), Thailand (3.7 per cent), Indonesia (3.6 per cent), Malaysia (1.9 per cent) and the Philippines at 0.7 per cent. By and large, with the exception of the Philippines as just mentioned above, all countries' productivity declined over the second period, then slightly picked up in the third period; however still lower than the first one. The serious cases were Malaysia and Thailand when their productivity growth dropped by threefold and more than twofold respectively between periods (1) and (3).

	8	1990-95	1995-00	2000-06
	Output	11.7	8.6	9.8
	Labour input	1.0	1.2	1.0
China	Productivity	10.6	7.3	8.7
	Value-added per worker	\$1,167	\$1,663	\$2,745
	Output	7.9	0.7	4.9
	Labour input	2.2	2.3	1.2
Indonesia	Productivity	5.7	-1.5	3.6
	Value-added per worker	\$1,953	\$1,811	\$2,239
	Output	9.5	4.9	4.6
	Labour input	3.5	3.6	2.7
Malaysia	Productivity	5.8	1.3	1.9
	Value-added per worker	\$8,847	\$9,425	\$10,540
	Output	2.2	4.1	4.8
	Labour input	3.1	1.9	4.1
Philippines	Productivity	-0.8	2.1	0.7
•	Value-added per worker	\$2,471	\$2,739	\$2,849
	Output	8.7	0.4	5.0
	Labour input	0.6	1.0	1.3
Thailand	Productivity	8.0	-0.6	3.7
	Value-added per worker	\$3,801	\$3,690	\$4,586
	Output	8.2	6.9	7.6
	Labour input	2.4	1.8	2.4
Vietnam	Productivity	5.6	5.2	5.1
	Value-added per worker	\$645	\$815	\$1,106

Table	8.2:	ASEAN-5's	and	China's	Output,	Labour	Input,	Productivity	Growth	(%),
		and Average	e Val	lue-added	l per Wo	rker, Sp	ecific P	eriods (US\$ c	onstant 2	000)

Notes: While the growth of output, labour input and productivity is the average growth of the period, the value-added per worker is for the year end of each period (1995, 2000 and 2006).

Source: Author's calculation based on World Bank database. China's employment data are from National Bureau of Statistics of China (online).

The best scenario to maximise the growth of labour productivity, is an increase of output growth accompanied by a decrease of labour input growth. An inverse movement will minimise this productivity growth gap, which turns out to be negative when output growth is slower than labour input growth as in the case of Indonesia and Thailand over the second period. Unfortunately, the trend of labour productivity growth in Thailand was getting in deep trouble, falling into the latter case when its labour input growth increased from 0.6 to 1.3 per cent, but output growth decreased from 8.7 to 5 per cent between periods (1) and (3).

It is noted that China's average productivity level per worker in the first two periods was less than that of Indonesia. However, from 2000 onwards (period 3), China has overtaken Indonesia over the US\$2,000 level of productivity per worker, while that of Vietnam was less than one-half of China and Indonesia, at only US\$1,106 in 2006.

As for Vietnam, the growth of labour productivity by and large was relatively good and stable from the beginning of the 1990s, better than the ASEAN-4 in the last two periods with the exception of China over the entire period. However, the level of productivity per worker was very low, still lagging behind all the countries in the group in 2006, about one-half of Indonesia, two-fifths of China and the Philippines, one-quarter of Thailand and one-tenth of Malaysia with a value of US\$1,106 as mentioned above. The question that follows is how is Vietnam's sectoral productivity?

8.3 Sectoral Labour Productivity

8.3.1 Agriculture

During the first years of Doi-Moi, Vietnam issued many policies to spur a raise in rice production such as land reform (giving land to farmers) and de-collectivisation (allowing farmers to directly sell their products to local markets). These policies resulted in transforming Vietnam from a net food importer before 1989 to become the world second-largest rice exporter after Thailand. In 2005, Vietnam exported around 5.3 million tonnes of rice and earning US\$1.4 billion.⁸¹

In most countries relying on labour-intensive technologies, agricultural productivity growth arose from within-farm productivity growth ignited by the shift from large-scale collective farming to small-scale individual farming. In land-abundant countries relying on capital-intensive technologies, agricultural productivity gains arose primarily because large farms shed labour following land privatisation and farm. restructuring (World Bank, 2008).

⁸¹ The main markets were Africa, Philippines (the world biggest importer of rice), Indonesia, Malaysia and Cuba with Africa accounting for nearly half of Vietnamese rice export volume (Vietnam General Statistical Office). Some other products contributed largely to the agricultural sector such as:

Coffee: Vietnam's second-largest export product in the world following only Brazil, with 2.4 per cent of total exports. In 2005, Vietnam exported 892,000 tonnes, earning around US\$735.5 million. The main markets are the US and European countries;

Natural rubber: contributed to 2.3 per cent (US\$596 million) of total export value in 2004. The value of this product increased from 75,900 tonnes (US\$66.4 million) in 1990 to 587,000 tonnes valued at US\$804 million in 2005.

Cashews: also Vietnam's second-largest export product in the world after India with a share of around 20 per cent of the world market. Cashew exports increased from 4,900 tonnes at value of US\$14.9 million in 1990 to 109,000 tonnes (US\$501.5 million) in 2005. Major markets are Australia, Canada, China, the EU, the US and some Middle East countries. According to VinaTradeUSA (2006): 'Vietnam is regarded as an efficient producer of cashew with yields being generally higher than in competing countries. Processing is also considered competitive mainly because of low labour cost. However, Vietnam is currently facing the problem of insufficient supply of cashews. The country is importing raw cashews, mainly from Africa for processing for export'.

Pepper is Vietnam's world biggest export product with 95 per cent of raw production exported. Exports have grown from 9,000 tonnes in 1990 (US\$13.9 million) to 109,000 tonnes (US\$150.5 million) in 2005 due to dramatically expanded area devoted to pepper.

Vegetables and fruit exports increased from US\$52.3 million in 1990 to US\$235.5 million in 2005, which accounted for about 15-20 per cent of the production mainly produced for the domestic market in unprocessed forms. The main fruits exported are banana, dragon, litchi, longan, mango, pineapple, rambutan and watermelon. Exported vegetables included beans, cabbage, cauliflower, chilli, cucumber, onion, potato, and tomato. Vietnam's fruit and vegetables are 85-90 per cent in processed forms, mostly canned but also dried and frozen. (All these statistical data are from Vietnam GSO.)

The ASEAN-5's and China's agricultural productivity level per worker in US dollar and arable land (hectare per person) from 1990 to 2005 are presented in figures 8.2 and 8.3 below. They show that, over this period, Thailand had more arable land with an average of 0.275 hectare per person, followed by China (0.107), Indonesia (0.099), Malaysia (0.084) and the same 0.079 for the Philippines and Vietnam (and this is why Vietnam has been ranked second to Thailand in rice exports).

Figure 8.2: ASEAN-5's and China's Agriculture Value-added per Worker (US\$ constant 2000) and Arable Land per Person (hectare)



Figure 8.3: Agriculture Value-added per Worker and Arable Land per Person of China, Indonesia and Vietnam



Note: The number in parentheses is the value-added per worker in US dollar (constant 2000 prices). Source: World Bank database.

In general, all countries tend to move higher to the left due either to an increase of agriculture value-added per worker and population growth over time, or the reduction of arable land for construction of factories, industrial parks, and houses and golf courses as in the case of Vietnam etc. A shift to the left also implies a change in

economic structure from agriculture towards more industrialisation. On the other hand, a move to the right indicates that the country concerned either experiences a negative population growth,⁸² or reclaims more arable land as stated by ADB Outlook (2008): 'significant increases in production of natural rubber and cashew nuts were the result of increased plantings in Vietnam'. While more arable land increased in Vietnam from 1996, this raise for China and Indonesia occurred from 2002 and 1994 respectively.

Although being the second-largest rice exporter in the world, Vietnam's agricultural value-added per worker was lowest among the group. This is due to Vietnam has high surplus employment in agricultural sector than others as discussed recently in Table 8.1. Figure 8.4 shows the ASEAN-5's and China's agricultural labour productivity growth over three sub-periods from 1990 to 2006.

Figure 8.4: ASEAN-5's and China's Agricultural Labour Productivity Growth (%), Specific Periods



Source: Author's calculation based on World Bank database.

Over the first period (1990-95), China's agricultural productivity growth was highest at 6.1 per cent; yet dropped in half in the second period (1995-00) before settled at 5.9 per cent in the third period (2000-06). Indonesia followed at 5.4 per cent, significantly dropped to -1.4 per cent before bouncing back at 3.1 per cent. Thailand was next with 4.6, 2.6 and 3.5 per cent respectively over the same periods. And whereas Vietnam's agricultural productivity growth slightly increased over the entire period from 3.5 to

⁸² This rarely happens in developing countries.

3.7 and 4.2 per cent respectively,⁸³ those of Malaysia and the Philippines were 1.9 and -1.1 per cent, -0.1 and 3.6 per cent, and 6.1 and -0.2 per cent respectively.

		1990-95 (1)	1995-00 (2)	2000-06 (3)
	Output	4.2	3.5	4.1
	Labour input	-1.8	0.3	-1.7
China	Productivity	6.1	3.2	5.9
	Value-added per worker	\$422	\$493	\$695
	Output	2.6	1.4	3.2
	Labour input	-2.7	2.8	0.0
Indonesia	Productivity	5.4	-1.4	3.1
	Value-added per worker	\$671	\$628	\$753
	Output	0.0	1.7	3.3
	Labour input	-1.8	1.8	-2.6
Malaysia	Productivity	1.9	-0.1	6.1
	Value-added per worker	\$4,534	\$4,511	\$6,440
	Output	1.5	2.2	3.7
e	Labour input	2.6	-1.4	3.9
Philippines	Productivity	-1.1	3.6	-0.2
	Value-added per worker	\$991	\$1,091	\$1,127
	Output	1.0	2.3	2.5
	Labour input	-3.5	-0.3	-1.0
Thailand	Productivity	4.6	2.6	3.5
	Value-added per worker	\$600	\$682	\$839
	Output	4.1	4.4	3.8
	Labour input	0.6	0.7	-0.4
Vietnam	Productivity	3.5	3.7	4.2
	Value-added per worker	\$255	\$306	\$391

Table 8.3: ASEAN-5's and China's Agricultural Output, Labour Input, Productivity Growth and Average Value-added per Worker, Specific Periods (US\$ constant 2000)

Note: While the growth of output, labour input and productivity is the average growth of the period, the value-added per worker is for the year end of each period (1995, 2000 and 2006). Source: Author's calculation based on World Bank database.

It is noted that over period (3), Malaysia's agricultural productivity growth was highest at 6.1 per cent, followed by China at 5.9 per cent and 4.2 per cent for Vietnam. Also, it needs to emphasise that Vietnam's agricultural productivity growth slightly increased between periods (1) and (2) because its labour input and output slightly increased from 0.6 and 4.1 per cent to 0.7 and 4.4 per cent respectively. However, its agricultural productivity growth of 4.2 per cent in period (3) was due to a marked decline of -0.4 per cent average growth in labour input and a decline of

⁸³ If based on Vietnam GSO's employment data for 2000-06 period, Vietnam's agricultural productivity was 4.1 per cent for both periods (2) and (3), since labour input was 0.3 and -0.3 per cent respectively for these two periods. Also, it is noted that Vietnam GSO's employment data is available from 2000 only.

output growth from 4.4 to 3.8 per cent between periods (2) and (3). The Strategy for Socio-Economic Development in Vietnam 2001-2010 (Socialist Republic of Vietnam, 2002) aims to achieve an average annual growth rate between 4 and 4.5 per cent for agricultural output. Therefore, unless Vietnam's agriculture would gain a growth of more than 5 per cent in the last four years of the planning period, from 2007 onwards to 2010, otherwise this aim will not be fulfilled.

In 2006, Malaysia had highest agricultural value-added per worker at 17-fold more than Vietnam, followed by the Philippines at 3.5-fold, then Thailand and Indonesia nearly twofold, and China 1.4-fold more than Vietnam (US\$323).

In brief, while the growth of Vietnam's agricultural productivity was relatively strong and stable; its productivity level was very low.

8.3.2 Manufacturing

In contrast to increased productivity of agricultural sector, the growth of Vietnam's manufacturing productivity was declining over time. Over the first period, Vietnam ranked second at 7.3 per cent average growth, only after China 13.1 per cent. However, during the second period, this position dropped to third after China and Malaysia as Vietnam's manufacturing productivity growth declined from 7.3 to 5.2 per cent average, below China and Malaysia at 14.2 and 7.2 per cent respectively. Moving to period (3), Vietnam dropped further one level to 4 per cent average, lower than China, Indonesia and Malaysia at 7.2, 5 and 4.7 per cent respectively. Meanwhile, Thailand was slightly lower than Vietnam at 3.6 per cent and the Philippines at 2.5 per cent average.

The reason for Vietnam's declining productivity growth in manufacturing sector is that, while its output growth increased insignificantly, from 10.3 to 11.2 and 11.8 per cent average over three sub-periods; its labour input growth largely increased, doubling from 2.8 to 5.8 per cent average between periods (1) and (2), and nearly threefold with 7.5 per cent average in period (3). In the meantime, all other countries' labour input growth has declined by and large. Specifically, while Vietnam's manufacturing sector created 1.2 million new jobs over the first two periods, the

number of new jobs created in this sector was 2.1 million over the last period alone, an increase of nearly 37 per cent of total increase of employment between 2000 and 2006.





Note: China's manufacturing productivity growth is from 1990 to 2003 only. Source: Author's calculation based on World Bank database.

It needs to emphasise that, according to Vietnam's GSO data, the flow of FDI into the country from 1988 to 2007 was US\$99.6 billion registered capital or US\$43.1 billion implemented capital, which was allocated mostly in manufacturing sector with 52.6 per cent of total implemented capital. Significant increases of FDI from an average growth of -1.1 per cent in period (2) to 9.2 per cent in period (3), an increase of 10.4 percentage points for implemented capital, induced a considerable surge of labour inputs while outputs still in premature stage and mostly in low value-added industries such as clothing, footwear, textiles etc.⁸⁴ This also implies that high manufacturing productivity growth of 7.3 per cent average in period (1) was actually due to Vietnam's low base from the beginning of the reform process.

Table 8.4 shows the ASEAN-5's and China's manufacturing growth of output, labour input, labour productivity and the value-added per worker in US\$ (constant 2000 prices) for these periods.⁸⁵

⁸⁴ According to UNDP (2007), *Top 200 Industrial Strategies of Vietnam's Largest Firms:* 'Over 60 per cent of the top 200 manufacturing workers are employed in forty-two footwear, textile, garment and seafood processing companies'.

⁸⁵ It is noted that, if based on Vietnam GSO's employment data for 2000-06 period, manufacturing productivity was 4.9 and 3.4 per cent respectively for periods (2) and (3) since labour input was 6.1 and 8.1 per cent for these two respective periods.

In 2006, Vietnam's manufacturing value added per worker was lowest at US\$2,089; only two-fifths of Indonesia (and China in 2003), less than one-third of the Philippines, one-fifth of Thailand and one-tenth of Malaysia.

Generally speaking, Vietnam's manufacturing productivity is at a very low level and showing slow growth over 2000-06 for the development stage of Vietnam, a country moving well along the transition to higher manufacturing shares as shown in Table 8.1 above.

		1990-95	1995- 2000	2000-06
		(1)	(2)	(3)
	Output	16.0	9.7	11.2
	Labour input	2.6	-3.9	3.7
China	Productivity	13.1	14.2	7.2
	Value-added per worker	\$2,468	\$4,786	\$5,904
e	Output	10.6	2.8	• 4.9
	Labour input	5.7	2.8	-0.1
Indonesia	Productivity	4.7	-0.1	5.0
	Value-added per worker	\$3,946	\$3,933	\$5,273
	Output	11.6	8.3	4.7
	Labour input	10.1	1.0	0.0
Malaysia	Productivity	1.4	7.2	4.7
	Value-added per worker	\$10,455	\$14,790	\$19,498
	Output	2.0	3.1	4.4
	Labour input	3.2	1.0	1.8
Philippines	Productivity	-1.1	2.2	2.5
	Value-added per worker	\$5,526	\$6,149	\$7,135
	Output	12.1	2.7	6.4
	Labour input	8.1	1.5	2.7
Thailand	Productivity	3.7	1.2	3.6
	Value-added per worker	\$8,343	\$8,866	\$10,947
	Output	10.3	11.2	11.8
	Labour input	2.8	5.8	7.5
Vietnam	Productivity	7.3	5.2	4.0
	Value-added per worker	\$1,285	\$1,653	\$2,089

Table 8.4: ASEAN-5's and China's Manufacturing Output, Labour Input, ProductivityGrowth and Value-added per Worker, Specific Periods (US\$ constant 2000)

Notes: China's manufacturing data are from 1990 to 2003 only.

While the growth of output, labour input and productivity is the average growth of the period, the value-added per worker is for the year end of each period (1995, 2000 and 2006).

Source: Author's calculation based on World Bank database.

8.3.3 Non-manufacturing (Industry)⁸⁶

Moving together with declining manufacturing productivity growth, the growth of Vietnam's non-manufacturing labour productivity also declined over the entire 1990-2006 period, from very high 15.9 per cent in period (1) to 12.7 per cent in period (2) and settled at -5.5 per cent in period (3).



Figure 8.6: ASEAN-5's and China's Non-manufacturing Productivity Growth (%), Specific Periods

Note: China's non-manufacturing data are from 1990 to 2003 only. Source: World Bank database.

The reason for high productivity growth during the 1990s is due to falling labour input growth of -1.8 and -2.4 per cent per annum over the first two respective periods, reflecting the policy of continued emphasis on import substitution and the promotion of heavy industries that made this sector growing at a much faster rate than labour-intensive one as mentioned earlier.⁸⁷ According to Jenkins (2004: 202):

Between 1990 and 1995, the growth of productivity in SOEs reduced the potential number of jobs by 650,000. This is consistent with the view that retrenchment of SOEs workers in the early 1990s contributed to the low rate of growth of employment overall between 1990 and 1995. The loss of jobs attributable to productivity growth among SOEs represented 87.7 per cent of SOEs employment in 1990, while the corresponding figure for domestic firms was 54.4 per cent. Between 1995 and 1999, however, there was no difference

⁸⁶ Non-manufacturing industries encompass mining and quarrying; electricity, gas and water supply; and construction.

⁸⁷ According to UNDP (2007): 'Vietnam's state firms (SOEs) in the top 200 account for nearly 30 per cent of workers employed by state firms. Put another way, 3 per cent of state firms account for almost 30 per cent of employment, nearly two-thirds of assets, over 40 per cent of taxes paid by state firms'.
between the productivity effects for SOEs (45.5 per cent) and for private firms (45.2 per cent). This implies that the ability of SOEs to increase output without taking on additional workers in the late 1990s was no greater than that of other local firms.

In addition, Chandrasiri and de Silva (1996) claim that reforms introduced in 1989 ended the budgetary subsidies to SOEs increased interest rates and hardened the budget constraint. The number of SOEs was reduced from over 3,000 in 1989 to just over 2,000 in 1993, and as a result nearly 800,000 employees were laid off. Belser (2000: 9) also states that 'most of foreign investment is capital-intensive entered oil-related production, heavy industry or real estate. Even within non-oil industrial sector, more than half of the investments are in heavy industry. It is thus unsurprising that foreign investment, although accounting for 31.8 per cent of industrial production in 1998 and accounting for almost half of industrial growth over the period 1995-98, still employs only 11.5 per cent of all industry workers'.⁸⁸ Furthermore, Jenkins (2004: 200) states that: 'both SOEs and domestic firms increased output per person employed significantly during the 1990s. In the case of SOEs, this was particularly marked during the first half of the decade when there was a wave of rationalisation and total employment in SOEs declined. For domestic firms, the growth of productivity was of continuous significance throughout the period'.

Nevertheless, the situation has changed from 2000 when the final number of jobs lost in this sector was around 300,000 during the 1990s, the number of new jobs created in period (3) was more than 1.6 million, growing from 1.2 million in 2000 to 2.8 million in 2006 indicating an increase of 15 per cent per annum over this period. This rapid growth of employment was the cause for productivity fall from 15.9 and 12.7 per cent in the first two respective periods to -5.5 per cent per annum in the last period. This productivity decline experienced in all three sectors with -2.4 per cent for mining and

⁸⁸ Also, according to Leung (2006): 'because of the historical protection of the state sector in Vietnam's trade regime, 98 per cent of the foreign joint ventures have been with the SOEs. As a result, 31 per cent of FDI projects by value are in heavy industries and oil and gas. As expected, these are also highly-protected industries such as car and motorbike production, cement, steel and consumer-electronic assembly. Therefore, despite the fact that foreign-invested companies in 2001 contributed about 13 per cent to Vietnam's GDP, 35 per cent to industrial output, 23 per cent to export, and 25 per cent to total state budget, the contribution of FDI to overall employment was only 0.3 per cent' (Leung 2006: 16, cited in Le 2002).

quarrying, -0.9 per cent for electricity, gas and water supply and -1.7 per cent for construction.

Diminution of fuel exports, which accounted for more than one-fifth (22 per cent) of total merchandise exports over 2000-06, definitely has contributed to Vietnam's declining non-manufacturing productivity. In addition, Asian Development Outlook (2008) also confirms that Vietnam's mining output suffered from a 7.4 per cent contraction in crude oil production as output at the White Tiger oil field, the biggest of the country becomes depleted.

It is noted that the growth rate and contribution to growth of mining and quarrying industries dropped significantly from 12.2 to 3.8 per cent and from 10.4 to 3.0 per cent respectively between periods (2) and (3). While Table 8.5 shows these changes of Vietnam's non-manufacturing industries over 1995-2006 at constant 1994 prices, the following Table 8.6 presents the ASEAN-5's and China's non-manufacturing output, labour input, productivity growth and value-added per worker at constant 2000 prices.

Table 8.5: Vietnam's Growth Rates, Contribution to Growth, Output, Labour Input and
Productivity for Non-manufacturing, 1995-00, 2000-06, Constant 1994 Prices

	Growt	h Rates	Contri to Gi	ibution rowth	Out- put	Labour Input	Product -ivity
·	1995- 2000	2000- 2006	1995- 2000	2000- 2006	A	lverage Gro 2000-2000	wth 5
Total economy	7.0	7.5	100	100	7.6	2.4	5.1
Mining & quarrying	12.2	3.8	10.4	3	3.8	6.3	-2.4
Electricity, gas & water supply	13.4	12.1	3.8	4.1	12.1	13.1	-0.9
Construction	7.2	10.8	7.8	11.6	10.8	12.7	-17

Note: Vietnam's employment data for non-manufacturing industries are available from 2000 only. Source: Vietnam GSO.

Between 2000 and 2006, Vietnam's value-added per worker declined by 29 per cent, from US\$4,551 down to US\$3,238. Compared with the ASEAN-4, this level of productivity was about three-fifths of Indonesia, nearly one-quarter of Malaysia, 88 per cent of the Philippines and two-fifths of Thailand.

Worth noting is that Vietnam's level of productivity in this sector was higher than that of China⁸⁹ but lower than the ASEAN-4 except catching up with the Philippines in

⁸⁹ China's data in period (3) is up to 2003 only.

period (2), however settled slightly below the Philippines in 2006 as mentioned above. Also, over period (3), while China's non-manufacturing productivity growth was highest at 13.3 per cent average, followed by Thailand at 4.2 per cent, those of other countries in the group experienced negative growth rates, including Vietnam at -5.5 per cent per annum.

		1990-95	1995- 2000	2000-06
		(1)	(2)	(3)
	Output	21.2	9.9	8.2
	Labour input	2.3	6.9	-4.5
China*	Productivity	18.5	2.8	13.3
	Value-added per worker	\$1,760	\$2,022	\$2,940
	Output	7.9	-0.1	2.5
	Labour input	15.6	-2.4	7.4
Indonesia	Productivity	-6.6	2.3	-4.5
	Value-added per worker	\$6,186	\$6,944	\$5,264
	Output	10.4 °	3.2	3.2
	Labour input	0.3	9.2	4.3
Malaysia	Productivity	10.0	-5.4	-1.0
	Value-added per worker	\$19,775	\$14,952	\$14,052
*	Output	2.4	6.0	0.0
	Labour input	5.4	5.2	3.4
Philippines	Productivity	-2.9	0.7	-3.3
	Value-added per worker	\$4,343	\$4,507	\$3,694
	Output	9.8	-4.3	5.5
	Labour input	7.1	-3.1	1.2
Thailand	Productivity	2.5	-1.3	4.2
	Value-added per worker	\$6,574	\$6,173	\$7,916
	Output	13.8	10.0	8.6
	Labour input	-1.8	-2.4	15.0
Vietnam	Productivity	15.9	12.7 **	-5.5 **
	Value-added per worker	\$2,500	\$4,551	\$3.238

 Table 8.6: ASEAN-5's and China's Non-manufacturing Output, Labour Input,

 Productivity Growth and Value-added per Worker (US\$ constant 2000)

Notes: * China's non-manufacturing data are from 1990 to 2003 only.

** If based on Vietnam GSO's employment data for 2000-06, productivity growth for periods (2) and (3) was 10.4 and -2.8 per cent respectively since labour input was -0.4 and 11.7 per cent respectively.

While the growth of output, labour input and productivity is the average growth of the period, the value-added per worker is for the year end of each period (1995, 2000 and 2006).

Source: Author's calculation based on World Bank database.

8.3.4 Services

According to the World Bank (2008: 97), improved productivity in services sector may affect aggregated productivity growth directly and indirectly. For example, high quality market services such as transport or telecommunications affect production costs and, consequently, the competitiveness and the degree of integration into global markets of firms in all sectors. In addition, high-quality services may also influence the attractiveness for FDI. Services liberalisation may help increase average productivity for incumbent firms and may also facilitate new entry of firms likely to be more innovative and successful in meeting consumer demands and similarly encourage the exit of less-productive firms.

Figure 8.7: ASEAN-5's and China's Services Labour Productivity Growth (%), Specific Periods



Source: Author's calculation based on World Bank database

Like other sectors of the economy as discussed above, there was wide variation of country performance across the services sector of the ASEAN-5 and China. Over the first period, while Malaysia's average services productivity growth was highest at 6.6 per cent, followed by China, Thailand and Indonesia at 3.5, 2.2 and 2.0 per cent respectively, Vietnam gained only 1.6 per cent, higher than the Philippines at -0.8 per cent.

Over the second period, while all the ASEAN-5's productivity experienced negative growths, China was the only country escaped the harmful impacts of the Asian financial crisis when its average services productivity growth increased from 3.5 to 6.0 per cent mainly due to a fall of more than twofold in the growth of labour inputs; then maintained a growth of 6.2 per cent per annum from 2000 onwards. China's high

productivity growth from 1995 onwards helped its services sector's productivity level overtook that of Indonesia, at the level of US\$2,000. From 2000, all countries witnessed an increasing trend of productivity growth in the services sector, especially Indonesia and Thailand with an increase of 6.8 and 4.6 percentage points respectively.

	-	``		
		1990-95	1995- 2000	2000-06
		(1)	(2)	(3)
	Output	10.8	9.5	10.1
	Labour input	7.1	3.3	3.7
China	Productivity	3.5	6.0	6.2
	Value-added per worker	\$1,772	\$2,373	\$3,413
	Output	8.8	-0.5	6.4
	Labour input	6.7	2.1	2.1
Indonesia	Productivity	2.0	-2.5	4.3
	Value-added per worker	\$2,122	\$1,866	\$2,396
	Output	10.8	3.9	5.3
	Labour input	4.0	4.3	4.5
Malaysia	Productivity	•6.6	-0.4	0.8
	Value-added per worker	\$7,850	\$7,706	\$8,079
	Output	2.6	4.7	6.1
	Labour input	3.4	4.9	4.9
Philippines	Productivity	-0.8	-0.2	1.2
	Value-added per worker	\$3,085	\$3,061	\$3,286
	Output	8.1	-0.5	4.4
	Labour input	5.8	3.6	3.8
Thailand	Productivity	2.2	-4.0	0.6
	Value-added per worker	\$6,877	\$5,613	\$5,829
	Output	8.6	5.7	7.2
	Labour input	7.0	6.3	4.6
Vietnam	Productivity	1.6	-0.6	2.5
	Value-added per worker	\$1,455	\$1,415	\$1,640
	-			

 Table 8.7: ASEAN-5's and China's Services Output, Labour Input, Productivity

 Growth and Value-added per Worker (constant 2000), Specific Periods

Source: Author's calculation based on World Bank database.

Robust domestic demand, from 2000 onwards, contributed to total output (GDP) growth largely by industries such as tourism with a marked increase in sales (16.4 per cent); transport, storage and communications; and hotels and restaurants (same 4.1 per cent) and education and training (3.3 per cent). Surging demand for mobile phones is helping drive the manufacturing expansion, as sales soared, the number of telephones per 100 people rose to about 31 in 2006 from 19 in 2005, and is expected to exceed 50 by the end of 2009 (ADB, 2007).

In 2006, Vietnam's level of services productivity per worker was lowest at US\$1,640; less than one-half of China and the Philippines, one-fifth of Malaysia, more than onequarter of Thailand and about one-third of Indonesia. Table 8.8 shows Vietnam's contribution to growth, the growth of output, labour input and productivity for this sector over 1995-2000 and 2000-06 at constant 1994 prices.

It is noted that, in 1990, Vietnam's services sector contributed to 40 per cent of GDP with a value of US\$6 billion (constant 2000 prices). In 2006, this contribution dropped by 2 percentage points, at nearly 38 per cent while that of the Philippines was highest at 56 per cent, followed by Thailand 47 per cent, China 40 per cent and the same 42 per cent for Indonesia and Malaysia. Moreover, the average share of Vietnam's services sector to GDP over the last period was only 36 per cent, indicating a level of 6-7 per cent below the target set by Vietnam Strategy for Social-Economic Development 2001-2010. Therefore, it appears that this target would not be achieved by 2010 as in the case of agricultural sector.

Table 8.8: Vietnam's Contribution to Growth, Output, Labour Input and Productivity
Growth for Services Sector for 1995-2000, 2000-06 (US\$ constant 1994)

	Contri to Gr	ibution rowth	Out- put	Labour Input	Product -ivity
	1995- 2000	2000- 2006	1	1verage Gro 2000-200	wth 6
Total	100	100	7.6	2.4	5.1
Sales ^(a)	14.1	16.4	7.6	4.6	2.9
Hotels & restaurants	2.7	4.1	9.3	2.3	6.9
Transport, storage & communications	3.7	4.1	7.8	0.6	7.2
Financial intermediation	2.2	2.1	7.8	16.0	-7.0
Scientific & technology	0.5	0.6	8.4	5.6	2.7
Real estate, renting & business	3.2	2	3.7	18.7	-12.6
Public admin., defence, compulsory social security	1.2	2.1	5.8	11.4	-5.0
Education & training	2.8	3.3	7.6	4.6	2.9
Health & social work	1.2	1.4	7.5	8.7	-1.1
Recreational, cultural & sporting	0.6	0.5	6.4	0.3	6.1
Party activities, membership org.	0.2	0.1	6.2	17.9	-9.9
Community, social, personal service activities	2.3	1.6	6.2	8.7	-2.4 ^(b)
Private household with employed persons	0.2	0.1	4.1	n/a	n/a

Notes: (a) Wholesale and retail trade, repair of motor vehicles, motor cycles and personal and household goods. (b) Includes private household with employed persons.

Vietnam's employment data for these industries are available from 2000 only. Source: Vietnam GSO. Vietnam's services productivity growth increased from 1.6 per cent in period (1) to 2.5 per cent⁹⁰ in period (3) mainly due to a decline of labour input but not output growth. The average growth of 2.5 per cent was thanks to productivity growth in industries such as transport, storage and communications (7.2 per cent); hotels and restaurants (6.9 per cent); recreational, cultural and sporting (6.1 per cent); scientific and technology (2.7 per cent); sales; and education and training (same 2.9 per cent). Services industries experienced negative productivity growth due to a significant surge of labour inputs over this period such as financial intermediation (-7 per cent); real estate, renting and business (-12.6 per cent); public administration, defence, compulsory social securities (-5 per cent); health and social work (-1.1 per cent); social and personal service activities including private household with employed persons (-2.4 per cent).

Figure 8.8 shows the services value-added level of Vietnam, China and the ASEAN-4 for the years 1990, 1995, 2000 and 2006 in US\$ billion (constant 2000). Between 1990 and 2006, the share of this sector in Vietnam's output remained stable with a doubling every ten years, from US\$6 billion in 1990 to US\$12 billion in 2000, and from US\$9 billion in 1995 to US\$18 billion in 2006. The value of this sector for other countries in 1990 and 2006 as follows: China increased more than fourfold from US\$179 billion to US\$840 billion, Indonesia increased more than twofold from US\$43 billion to US\$92 billion, Malaysia 2.8 times from US\$18 billion to US\$50 billion, the Philippines and Thailand enlarged almost twofold from US\$28 billion and US\$42 billion to US\$56 billion and US\$78 billion respectively.

It is noted that transport, storage and communications; education and training; and financial intermediation for Vietnam are important services inputs, which represent high shares of the total inputs used in manufacturing industry.⁹¹

 $^{^{90}}$ If based on Vietnam GSO's employment data for 2000-06, productivity growth for periods (2) and (3) was 0.2 and 2 per cent respectively since labour input was 5.4 and 5 per cent for these two respective periods.

⁹¹ Please refer to Table 8.8.



Figure 8.8: ASEAN-5's and China's Services Value-added, Specific Years (US\$ billion)

Source: World Bank database.

In brief, only China and Indonesia has much productivity growth in services over 1995-2006. As for Vietnam, although with a little increase over 2000-06, the level of productivity and growth in this sector was very low for its level of development stage over the entire period (1990-2006).

8.4 Extensive and Intensive Growth

Table 8.9 shows Vietnam's sectoral and aggregate contribution to growth, output, labour input for 1995-2000 and 2000-06; and productivity growth for 2000-06 at constant 1994 prices. Due to lack of Vietnam's sectoral employment data for 1995-99, productivity for this period is not available. Nevertheless, this table shows a remarkable story about Vietnam's extensive and intensive growth over 2000-06.

With the exception of industries such as hotels and restaurants; transport, storage and communications; and recreational, cultural and sporting having intensive growths within their industries, all other industries experienced extensive growths because the aggregate productivity growth of 5.1 per cent is well above that of any of these component industries. This implies that much of Vietnam's productivity growth is coming from structural extensive changes between economic sectors rather than changes of intensive growth within the industries.

	Contr to Gi	ibution rowth	Out- put	Labour Input	Producti -vity
	1995- 2000	2000- 2006		Average Growth 2000-2006	h
Total	100	100	7.5	2.4	5.1
State	42.5	38.6	7.2	2.0	5.1
Non-state	36.5	45.2	7.2	2.0	5.1
Collective	5.6	3.9	3.8	n/a	n/a
Private	8.1	14.8	12.9	n/a	n/a
Household	22.8	26.5	6.5	n/a	n/a
Foreign investment sector	21.1	16.2	10.6	23.6	-10.5
By detail	ed industr	y structure	e		
Agriculture	13.9	7.5	3.3	-0.8	4.2 ^(a)
Forestry	0.2	0.2	0.8	n/a	n/a
Fishing	1.8	2.8	8.6	7.8	0.8
Mining & quarrying	10.4	3	3.8	6.3	-2.4
Manufacturing	27.2	32.3	11.8	8.1	3.4
Electricity, gas & water supply	· 3.8	4.1	12.1	13.1	-0.9
Construction	7.8	11.6	10.8	12.7	-1.7
Sales ^(c)	14.1	16.4	7.6	• 4.6	2.9
Hotels & restaurants	2.7	4.1	9.3	2.3	6.9
Transport, storage & communications	3.7	4.1	7.8	0.6	7.2
Financial intermediation	2.2	2.1	7.8	16.0	-7.0
Scientific & technology	0.5	0.6	8.4	5.6	2.7
Real estate, renting & business	3.2	2	3.7	18.7	-12.6
Public admin., defence, compul. social security	1.2	2.1	5.8	11.4	-5.0
Education & training	2.8	3.3	7.6	46	2.0
Health & social work	1.2	1.4	7.5	87	-11
Recreational, cultural & sporting	0.6	0.5	64	0.3	6.1
Party activities, membership org.	0.2	0.1	6.7	17.9	_0.0
Community, social, personal service activities	2.3	1.6	6.2	87	-7.4 ^(b)
Private household with employed persons	0.2	0.1	4.1	n/a	n/a
By aggregate in	dustry cat	egory (WB	s data)*	2.81 B4	10.04
Agriculture	15.9	10.5	3.8	-0.4	4.2
Manufacturing	27.2	32.3	11.8	7.5	4.0
Non-manufacturing	21.9	18.7	8.6	15.0	-5.5
Services	35.0	38.5	72	46	25

Table 8.9: Vietnam's Sectoral and Aggregate Contribution to Growth, Output, Labour Input and Productivity Growth for 1995-2000, 2000-06 (US\$ constant 1994)

Notes: (a) Includes fishing; (b) Includes private household with employed persons; (c) Wholesale and retail trade; repair of motor vehicles, motor cycles and personal and household goods. *The growth of labour input and productivity for manufacturing in middle and bottom section is slightly different because of discrepancy in employment data for Vietnam from Vietnam GSO (middle section) and the WB (bottom section). Vietnam's employment data for these industries are available from 2000 only.

Source: Vietnam GSO and the World Bank database.

It can be said that the high growth of Vietnam's GDP from the onset of this century was largely driven by the high flow of labour inputs rather than the growth of productivity. Vietnam's economic growth has rather been extensive than intensive as this growth was generated by adding more ordinary inputs of labour, reproducible capital (i.e. machines and livestock) and natural resources, but not by improving skills, technology and better ways of production. Andreas (2005) states that 'extensive growth based on the expansion of inputs is likely to be subject to diminishing returns. Therefore it is often viewed as having no effect on per-capita magnitudes in the long run'. Hence, the factor that was missing in Vietnam's economic system is an intensive growth, which is driven by enhanced productivity (i.e. higher growth in output per unit of input) rather than augmented factor supplies.

Vietnam has experienced a classic case of extensive rather than intensive growth, with population growth and a shift out of agriculture facilitating rapid growth in overall GDP (and even in overall productivity growth, given compositional shifts) without any significant change in the low levels of productivity prevailing in most industries. This low quality pattern of growth does not provide the foundation for the transition to much higher living standards to which Vietnam aspires.

It is beyond the scope of this thesis to examine in detail the reasons for this extensive pattern of growth, but one relevant fact is shown in the top panel of Table 8.9. This shows that the foreign investment sector has been growing rapidly per annum over 2000-06, both in terms of value-added (10.6 per cent) and especially employment (23.6 per cent), but with a sharp decline in productivity (-10.5 per cent). The foreign investment sector accounted for one in six of the increase in employment in Vietnam over 2000-06, but labour productivity in the sector fell by 50 per cent over this time. Such a sharp change must imply that the foreign sector is shifting its investment patterns in Vietnam towards labour-intensive, low-cost industries, and is not investing substantially in higher productivity industries.

In Chapter Five two apparently contradictory competitiveness trends were noted: rising revealed competitiveness was shown by the constant market share analysis, while the WEO survey data suggested that Vietnam's structural and institutional competitiveness was low and declining. Here we see a possible explanation for these trends, for Vietnam may be capturing a growing share of world markets for labour intensive goods, without reforming its structures and institutions and without building effective capacity in higher value-added, higher productivity industries.

Generally, labour was moving from agricultural sector of low productivity to sectors of high productivity in manufacturing, non-manufacturing and services without sparking a substantial modernisation of these areas. Specifically, labour was moving out of sector with increasing productivity growth but still low productivity level of agriculture into sectors showing declining productivity growth and also low productivity level such as manufacturing, non-manufacturing and services. In other words, Vietnam's human resource reallocation made the growth of agricultural productivity increased but decreased the growth of productivity in high productivity sectors due to a considerable surge of labour inputs into these sectors; and this process has occurred mainly due to the strong flows of FDI into these sectors, particularly from 2000 onwards.⁹² According to Leung (2006): 'In Vietnam, an over-valued exchange rate as well as domestic policies resulting in FDI flowing into the unprofitable SOEs sector were already leading to declines in export growth and FDI inflows in the six months prior to the eruption of the Asian crisis' (Leung 2006: 3, cited in Riedel 1999).

It is noticeable that the average productivity growth of -10.5 per cent (see Table 8.9) over 2000-06 for foreign investment sector is unexpected and can be explained also by footnote 93 below. This significantly falling productivity growth was due to a surge of labour inputs and negative productivity growth in mining and quarrying (-2.4 per cent); electricity, gas and water supply (-0.9 per cent); construction (-1.7 per cent); financial intermediation (-7 per cent); real estate, renting and business (-12.6

⁹² According to Vietnam's GSO data, FDI projects licensed from 1988 to 2007 by kind of economic activities with total registered capital US\$99.6 billion (implemented capital US\$43.1 billion) were allocated in most of economic sectors such as manufacturing (52.6 per cent); real estate, renting business activities (14.2 per cent); hotels and restaurants (7.7 per cent); construction (6.8 per cent); transport, storage and communications (5.1 per cent); mining and quarrying (3.8 per cent); agriculture and forestry (3.4 per cent); electricity, gas and water supply (1.9 per cent); recreational, cultural and sporting activities (1.7 per cent); financial intermediation (0.9 per cent); wholesale and retail trade; repair of motor vehicles, motor cycles and personal and household goods (0.6 per cent); health and social work (0.6 per cent); fishery (0.5 per cent); education and training (0.1 per cent); and community, social and personal service activities (0.04 per cent).

per cent); health and social work (-1.1 per cent); and community, social, personal service including private household with employed persons (-2.4 per cent).

In addition, the contribution of this foreign investment sector that dropped considerably by nearly 5 percentage points between two periods, from 21.1 to 16.2 per cent, implies that the economy's production has increasingly concentrated in low productivity sectors of low value-added labour-intensive industries as mentioned earlier.

8.5 Summary and Conclusion

At the aggregate level Vietnam's labour productivity growth has been relatively strong over 1990-2006, being at 5.2 per cent per annum the most rapid of any of the six countries other than China, and being substantially higher than that of any of the ASEAN-4. Its growth rate was also relatively stable over the period, and amounted to 5.1 per cent over 2000-06. But reflecting its low starting level, Vietnam's average productivity level remains low in 2006, being less that half that of the lowest of the other countries (Indonesia) and just over 10 per cent of that in Malaysia. This pattern of reasonably strong growth on a very low level is repeated in agriculture, with productivity growth over 1990-2006 of nearly 4 per cent per annum but a productivity level of only 56 per cent of that of the lowest country (China) in 2006. A similar pattern is also evident in the service sector, although here the growth in Vietnam's labour productivity has been towards the lower end of the ASEAN-4.

The situation is different in the two components of the industrial sector analysed, namely manufacturing and non-manufacturing industry. In manufacturing, Vietnam's labour productivity remains very low in 2006 (only 40 per cent of that in Indonesia and 35 per cent of that in China), in spite of fairly strong growth over 1990-2000, with slower growth (4 per cent per annum) over 2000-06. In non-manufacturing (which includes the petroleum industry), real value-added per worker in Vietnam was relatively high in 2000, being at US\$4,551 more than double that of China and higher than in the Philippines, but fell sharply over 2000-06. This fall reflected in part lower petroleum output, as the White Tiger oil field became depleted, but productivity fell in

the two other main component industries, construction and electricity, gas and water supply.

The analysis of this chapter brings out two clear facts. The first is the low level of labour productivity in all major industry groups in Vietnam, with the partial exception of non-manufacturing industry, relative to the ASEAN-4 and China. The second is, with the exception of agriculture, the low rates of productivity growth in all major industry groups in Vietnam. Indeed, for seventeen industry groups at the two-digit level (Table 8.9), real value-added per worker fell in nine of them over 2000-06. Thus, outside agriculture, the period since 2000 shows a pattern of both low productivity levels relative to comparable countries, and also low or negative productivity growth. In other words, Vietnam has experienced a classic case of extensive rather than intensive growth, with rapid growth in overall GDP due to population growth and a shift out of agriculture without any significant change in the low levels of productivity prevailing in most industries.

In conclusion, there are two key findings about this thesis, one central finding is that Vietnam's growth since Doi-Moi has indeed been export-led as the second-tier NICs of Malaysia, Thailand and the Philippines, but neither the characteristics of Vietnam's export structure (Chapter Four), the internal supply-oriented competitiveness effect of the constant market share analysis (Chapter Five), nor the export similarity results (Chapter Six) reflect those of these NICs. While these NICs have specialised in the high value-added industries of medium-high and high-technology intensity (Chapter Four) that have attracted an increasing share of world trade, Vietnam's exports are focused on resource-intensive and low-tech industries, which are growing slowly in world trade, and in a constant market share model are explained by rising residual competitiveness rather than by market demand or commodity composition effects. This rising residual competitiveness stands at odds with the results of the World Economic Forum and other sources that Vietnam's competitiveness is low and falling in recent years. Another key finding is that since 2000 Vietnam's growth has been extensive rather than intensive, with labour productivity both at low levels and growing slowly outside the agricultural sector. High GDP growth since 2000 has been driven by rapid growth in factor supplies, especially labour, with low growth in nonagricultural productivity. This extensive pattern of growth resolves the competitiveness paradox, as it suggests that Vietnam is expanding low-cost industries rapidly but not building its competitiveness in other areas. Such a development path will not support the rate of long-term growth that Vietnam requires to achieve its development objectives, and major policy changes are necessary.

In addition, this chapter clearly shows that the quality of Vietnam's growth is low and declining from the onset of this century. This low quality pattern of growth does not provide the foundation for the transition to much higher living standards to which Vietnam aspires. All these findings from this thesis offer as a warning for Vietnam's future economic development. Unless Vietnam propels further drastic reforms in many aspects, its recent success will not be sustained into future rapid growth and development. Consequently, the prospect of utilising the untapped potential in manufacturing exports as discussed in Chapter Seven will be pushed further away, and the target to become a newly industrialising country by 2020 as discussed in Chapter Six would not be achieved. In other words, in the long run Vietnam would only sustain a high economic growth as in the past two decades, if further policy reforms are carried out to boost competitiveness in both natural resource-based and low-tech industries, and medium-high-tech and high-tech industries. Only in this case, Vietnam will be able to considerably narrow the development gap and speed up the catch-up process with the ASEAN-4 and other advanced countries in the world, as well as to gain the NIC status by the year 2020.

In so doing, Vietnam is required to push further reforms for Doi-Moi II in the following areas.

- Administration, institutions and legal infrastructure, and promote market efficiency as well as a laissez-faire environment of business sophistication and innovation.
- Eliminating inefficient SOEs and equitisation (privatisation) of SOEs.
- Financial institutions to make it more transparent to attract higher rates of domestic savings and investments as a result of eliminating private savings used to

go into the shadow economy. Higher level of capital investments will induce higher increasing returns in manufacturing production.

- Foreign direct investment laws to attract more foreign investments, particularly in export-oriented manufacturing of capital-intensive and technology-intensive industries in order to upgrade, modernise and industrialise the economy.
- Liberalising and promoting the private sector, e.g. small and medium enterprises, especially in R&D, as this sector responds well to changing market conditions, and thus to compete effectively in international markets. This sector can also help to resolve an increasing workforce of more than one million people each year.
- Liberalising foreign trade and promoting export. In this way, international competition will help upgrade productivity over time, and thus contribute to economic prosperity. Trade reforms also would make possible adjustments in the SOEs sector, by subjecting it to greater international competition.
- Expanding its global market by improving the diplomatic and trade relations with countries that Vietnam still holds a low level of international relationship.
- Create effective physical infrastructure in manufacturing industries as well as agriculture (communication, roads, ports, power etc.). Without these, Vietnam will never be able to produce the labour-intensive commodities at low cost, and thus can not compete internationally.
- Promote productivity growth of agro-industry by diversifying and intensifying agriculture production, which includes the dissemination of information and technology.
- Promote domestic (and foreign) investments in small and medium sized (SMEs) export-oriented companies, particularly in the private sector.
- Encourage industrial investments in rural areas (promote off-farm employment) by offering concessionary interests to investors (such as grants, low interest loans, subsidies, tax credit etc.). This development will also resolve the problem of excessive urbanisation and its worse consequences in environment, social evils, etc. in the big cities such as Saigon, Hanoi etc.
- Encourage investments in human capital for building up human-skilled resources to supply 'human infrastructure' in the production of human capital-intensive-and technology-intensive manufacturing industries.

- Improve the quality of education and training at all levels, from primary schools to universities and polytechnics by encouraging a system of creative thinking rather than the one of memorising.
- Establish the R&D centres in all fields.
- Promote a vision to transform Vietnam to a knowledge-based economy.

This chapter is concluded with the following statement:

Economies that sustain rapid growth do not simply replicate themselves on a larger scale. Countries become different as they grow, not only in terms of what they produce, but also how they produce. And the ways in which they change matter for growth. Growth occurs through diversification and the birth and expansion of new economic activities and assimilation of better methods of organisation and production. Countries that do not change cannot sustain rapid growth (ADB, 2007: 269).

List of Appendix Tables

Table A4.1: ASEAN-5's RCA of 247 Product Categories by 3-digit SITC (Rev. 3) in 2003

No:	Product Group	SITC Rev. 3	Indonesia	Malaysia	Philippines	Thailand	Vietnam
1	Live animals	001	0.34	0.79	0.04	0.19	0.18
2	Bovine meat	011	0.00	0.02	0.00	0.00	0.00
3	Other meat, meat offal	012	0.12	0.04	0.00	2.37	0.31
4	Meat, ed. offl, dry, slt, smk	016	0.01	0.01	0.00	0.01	0.02
5	Meat, offl. prepared, preserved, n.e.s	017	0.07	0.17	0.02	6.59	0.08
6	Milk and cream	022	0.43	0.32	0.69	0.57	1.46
7	Butter, other fat of milk	023	0.00	0.01	0.00	0.01	0.00
8	Cheese and curd	024	0.01	0.00	0.01	0.00	0.00
9	Eggs, birds, yolks, albumin	025	0.23	3.43	0.04	1.78	0.73
10	Wheat, meslin, unmilled	041	0.01	0.00	0.00	0.00	0.00
11	Rice	042	0.01	0.02	0.00	26.72	43.02
12	Barley, unmilled	043	0.00	0.00	0.00	0.00	0.01
13	Maize unmilled	044	0.07	0.02	0.00	0.34	0.04
14	Other cereals, Unmilled	045	0.05	0.01	0.00	0.72	0.14
15	Meal, flour of wheat, msln	046	0.20	0.64	0.01	0.12	0.50
16	Other cereal meal, flours	047	0.70	0.23	0.03	7.92	0.29
17	Cereal preparations	048	0.59	0.49	0.39	0.75	0.77
18	Non-alcohol beverages, n.e.s	111	0.13	0.61	0.13	0.77	0.19
19	Alcoholic beverages •	112	0.01	0.13	0.22	0.11.	0.09
20	Tobacco, un-manufactured tobacco	121	1.41	0.07	0.72	1.18	1.30
21	Tobacco, manufactured	122	1.15	0.99	0.53	0.03	2.68
22	Animal oils and fats	411	0.15	0.02	0.03	0.08	0.07
23	Fixed veg. fat, oils, soft	421	0.09	0.51	0.00	0.13	0.10
24	Fixed veg. fat, oils, other	422	35.69	35.47	10.56	0.86	0.72
25	Animal, veg. fats, oils, n.e.s	431	3.08	18.06	1.23	1.02	0.06
26	Oilseed (sft. fix. veg. oil)	222	0.03	0.04	0.00	0.05	1.18
27	Oilseed (other fix. veg. oil)	223	1.60	0.30	0.03	0.25	2.83
28	Fish, fresh, chilled, frozen	034	2.23	0.19	0.69	1.60	5.91
29	Fish, dried, salted, smoked	035	2.03	0.07	0.36	1.57	7.30
30	Crustaceans, molluscs etc.	036	7.31	1.18	2.60	/.50	39.30
31	Fish etc. prepared, preserved. n.e.s.	037	1.30	0.53	2.62	18.82	4.38
32	Hides, skins (ex. furs), raw	211	0.03	0.07	0.09	0.05	0.24
.33	Fur-skins, raw	212	20.76	11 12	1.14	14 31	24.49
34	Natural rubber, etc.	231	50.76	0.22	1.14	1 25	24.49
35	Synthetic rubber, etc.	232	0.41	0.33	0.02	0.00	0.07
30	Cork, natural, raw, waste	244	5 31	1.67	2.04	0.00	3 77
3/	Fuel wood, wood charcoal	245	1.57	0.48	0.03	2.07	5.60
20	Wood mough rough gruand	240	0.02	5 74	0.00	0.00	0.18
40	Wood simply worked	247	1.87	2.14	0.10	0.00	0.29
40	Ruln and waste namer	251	4 64	0.00	0.37	0.49	0.00
42	Sille	261	0.13	0.00	0.00	0.15	2.89
42	Cotton	263	0.51	0.05	0.02	0.13	0.02
11	Lute other textile bast fibres	264	0.81	0.00	0.00	0.05	0.59
45	Vegetable textile fibres	265	0.10	0.03	2.74	0.44	4.99
46	Synthetic fibres	266	1.59	0.75	0.01	4.72	0.18
40	Other man_made fibres	267	2.15	0.06	0.03	1.77	0.09
48	Wool other animal hair	268	0.03	0.12	0.00	0.70	0.01
40	Worn clothing text] art]	269	0.12	0.95	0.68	0.14	0.12
50	Crude animal materials nes	291	0.13	0.09	0.19	0.65	0.91
51	Crude veg materials nes	292	0.62	0.16	0.90	0.57	0.46
52	Fertilizers crude	272	0.58	0.14	0.05	0.18	0.01
53	Stone, sand and gravel	273	1.14	0.18	0.50	1.50	0.92
54	Sulphur, unrstd, iron pyrites	274	0.19	2.68	0.18	0.02	0.00
55	Natiral adrasives, n.e.s	277	1.99	0.01	0.02	14 47	0.02

56	Other crude minerals	278	0.34	0.14	0.12	0.39	0.22
57	Iron ore, concentrates	281	0.00	0.00	1.23	0.00	0.37
58	Ferrous waste and scran	282	0.14	0.03	1.08	0.39	0.02
59	Copper ores, concentrates	283	33.67	0.00	0.38	0.00	0.08
60	Nickel ores, concentrate matte	284	16.52	0.00	3.15	0.00	0.00
61	Aluminium ore, concentrates etc	285	0.45	0.00	0.00	0.00	0.00
62	Uranium thorium ores etc.	285	0.45	0.02	0.00	0.00	0.00
63	Ore concentrate base metals	280	0.00	0.05	0.00	0.00	3.58
64	Non-ferrous waste scrap	207	0.05	0.10	0.10	0.00	0.01
65	Precious metal ores, concentrates	200	0.30	0.20	1.10	0.74	0.01
66	Coal not agglomerated	209	0.00	0.85	1.15	0.09	0.02
67	Reignottes lignite next	321	12.16	0.00	0.00	0.00	3.04
.07	Galas and a last a last	322	4.44	0.01	0.03	0.00	0.00
08	Coke, semi-coke, ret. carbon	325	0.00	0.00	0.00	0.00	0.00
69	Petroleum olls, crude	333	2.79	1.19	0.00	0.25	5.97
70	Petroleum products	334	1.18	0.97	0.69	0.60	0.34
71	Residual petrol products	335	0.79	0.43	0.00	1.89	0.03
72	Liquefied propane, butane	342	3.77	0.95	0.01	0.04	0.00
73	Natural gas	343	10.22	3.35	0.00	0.00	0.00
74	Petroleum gases, nes	344	0.06	5.40	0.87	3.58	0.01
75	Coal gas, water gas, etc.	345	7.10	8.42	0.00	0.00	0.00
76	Electric current	351	0.00	0.06	0.00	0.00	0.01
77	Silver, platinum, etc.	681	0.05	0.01	0.05	0.23	0.00
78	Copper	682	2.43	0.85	2.07	0.44	0.04
79	Nickel	683	0.01	0.01	0.00	0.00	0.00
80	Aluminium	684	0.62	0.34	0.02	0.14	0.10
81	Lead	685	0.11	0.79	0.19	0.01	0.05
82	Zinc	686	0.05	0.20	0.00	0.62	0.14
83	Tin	687	28.63	5.30	0.12	3.91	2.62
84	Misc. non-ferrous base metal	689	0.02	0.01	1.83	0.75	0.03
85	Pig iron, spiegeleisen, etc.	671	0.90	0.57	0.00	0.10	0.01
86	Ingots etc. iron or steel	672	0.05	0.85	0.00	0.16	0.02
87	Flat-rolled iron etc	673	0.05	0.09	0.00	0.92	0.02
88	Flat-rolled plated iron	674	0.15	0.47	0.03	0.39	0.07
89	Flat-rolled allow steel	675	0.15	0.10	0.03	0.35	0.13
00	Iron steel har shapes etc.	676	0.05	0.10	0.01	0.45	0.02
01	Pailway track iron steel	670 677	0.20	0.50	0.01	0.59	0.39
02	Wire of iron or steel	679	0.18	0.03	0.00	0.00	0.04
92 02	Tubos pines ato iron atl	670	0.59	0.73	0.01	0.50	0.45
93	Modicines at ovel Crm 542	541	0.54	1.12	0.08	0.09	0.39
94 05	Medicines, etc. exci Orp342	541	0.07	0.03	0.01	0.09	0.02
95	Medicaments	542	0.00	0.02	0.02	0.04	0.02
90	Hydrocarbons, nes, derivatives	511	0.97	0.96	0.00	1.99	0.02
9/	Alcohol, phenol, etc. derivatives	512	2.23	2.75	0.58	0.43	0.08
98	Carboxylic acids, derivatives	513	1.92	1.95	0.04	1.21	0.01
99	Nitrogen- funct compounds	514	1.28	0.13	0.01	0.45	0.50
100	Organo-Inorganic compounds	515	0.13	0.01	0.00	0.08	0.01
101	Other organic chemicals	516	0.14	0.66	0.01	0.06	0.00
102	Inorganic chemical elements	522	1.62	0.53	0.24	0.35	0.05
103	Metal salts, inorganic acid	523	0.14	0.44	0.16	0.40	0.24
104	Other chemical compounds	524	0.12	0.06	0.01	0.15	0.02
105	Radio-active materials	525	0.02	0.01	0.00	0.00	0.01
106	Synth. colours, lakes, etc.	531	1.13	0.06	0.03	0.48	0.03
107	Dyeing, tanning materials	532	0.53	0.01	0.05	0.21	0.01
108	Pigments, paints, etc.	533	0.13	0.48	0.12	0.23	0.12
109	Essential oil, perfume flavour	551	0.57	0.03	0.08	0.34	0.10
110	Perfumery, cosmetics, etc.	553	0.28	0.18	0.16	1.00	0.38
111	Soan, cleaners, polish, etc.	554	1.61	0.96	0.38	0.46	0.75
112	Fertilizer, excent Grp272	562	1.35	0.73	0.62	0.17	0.59
113	Polymers of ethylene	571	0.21	1.13	0.03	2.04	0.03
114	Polymers of styrene	572	0.17	1.65	0.03	2.04	0.05
115	Polymers vinvi chlorida	572	1 12	0.25	0.03	2.31	0.00
116	Polyacetal polyacethorate	577	1.15	0.00	0.23	2.55	0.41
117	Other plastic primary form	574	0.17	0.77	0.07	2.30	0.01
11/	Diagtic wests corrected	515	0.17	0.41	0.09	1.09	0.02
110	riastic waste, scrap etc.	J/ J 601	0.75	0.15	0.74	0.84	0.09
119	Plastic tube, pipe, nose	581	0.23	0.15	0.02	0.28	0.23
120	Plastic plate, sheets, etc.	582	0.72	0.66	0.27	0.77	0.25

121 Maximicat or plastics 583 0.07 0.18 0.09 0.03 0.11 123 Inserticialise etc. 591 0.43 0.37 0.09 0.32 0.23 123 Starches, inulin, etc. 592 0.16 0.23 0.08 0.14 124 Prigrand additives, inputs 599 0.33 0.81 0.13 0.01	101	24 61 6 1 1						0.11
122 Insecticides etc. 991 0.43 0.37 0.09 0.32 0.28 123 Starches, invit, etc. 952 0.16 0.23 0.00 0.28 0.08 0.14 124 Explosives, pyrotechnics 953 0.35 0.09 0.21 0.01 0.01 0.01 0.01 126 Masc. chemical products nes. 958 0.35 0.81 0.15 0.22 0.04 127 Leather, eather etc. nes. 612 0.06 0.54 0.18 2.85 1.53 128 Muatria fortuber 621 0.24 1.65 0.04 1.96 2.12 138 Nuber pres, tubes, etc. 625 1.66 0.20 0.27 1.47 0.47 132 Articles of rubber nes 633 0.02 0.01 0.00 0.00 0.00 134 Veners, phywood etc. 634 1.07 0.46 0.09 0.21 0.33 2.48 0.66 139 Paper and pagerboard 641 1.67 0.18 0.12 0.64 0.42 <td>121</td> <td>Monofilament of plastics</td> <td>583</td> <td>0.07</td> <td>0.18</td> <td>0.00</td> <td>0.03</td> <td>0.11</td>	121	Monofilament of plastics	583	0.07	0.18	0.00	0.03	0.11
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	123	Starches inulin etc	502	0.16	0.22	0.10	2.16	2 00
124 Explosives, pyrotechnics 593 0.35 0.09 0.22 0.08 0.14 125 Prepared additives, iguids 597 0.09 0.11 0.01 0.16 0.07 126 Misc, chemical products nes. 598 0.35 0.81 0.15 0.22 0.04 128 Maunfactured leather etc. nes. 612 0.06 0.54 0.18 2.85 1.53 130 Materials of nubber 621 0.24 1.65 0.04 1.96 2.14 132 Articles of nubber 623 1.66 0.20 0.27 1.47 0.47 132 Cork maufactures 634 10.20 0.01 0.00 0.00 0.00 0.00 0.00 0.01 0.00 0.00 0.00 0.00 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.01 0.13 Material intration intration intration intration intration intratintration intratintratintration intratintration intr	125	Statenes, munn, etc.	392	0.10	0.25	0.10	5.10	2.90
125 Prepared additives, liquids 597 0.09 0.11 0.01 0.10 0.022 0.04 127 Leather, leather goods 611 0.43 0.10 0.03 1.43 0.20 128 Maunfactured leather et. nes. 612 0.06 0.54 0.18 2.85 1.53 129 Furkkins, tunned, dressed 613 0.01 0.01 0.00 0.14 0.05 123 Articles of rubber nes 629 0.77 0.55 0.33 2.48 0.77 134 Cork manufactures nes 633 0.02 0.01 0.00 0.00 0.01 145 Paper, and paperboad 641 1.67 0.13 0.13 0.13 0.53 0.33 145 Paper, and paperboad 641 1.57 0.43 0.02 0.53 0.33 145 Burne, coment, constr materials 662 0.80 0.59 0.02 0.53 0.31 146 Glass ware 665 0.58 0.66 0.09 0.44 0.42 0.44 0.61	124	Explosives, pyrotechnics	59 3	0.35	0.09	0.28	0.08	0.14
126 Miss. chemical products nes. 598 0.35 0.81 0.15 0.22 0.04 128 Manufactured leather etc. nes. 612 0.06 0.54 0.18 2.85 1.53 130 Materials of rubber 621 0.24 1.65 0.04 1.96 2.12 131 Rubber pres, tubes, etc. 625 1.66 0.20 0.27 1.47 0.47 132 Articles of rubber nes 629 0.77 0.55 0.33 2.48 0.77 132 Cark manufactures 633 0.22 0.04 0.09 0.00 0.00 134 Vencers, phywood etc. 634 10.70 4.66 0.09 0.71 0.32 135 Wood manufactures nes 635 5.54 1.14 1.64 1.59 1.74 136 Paper and paperboard, cut etc. 642 3.06 0.43 0.57 2.17 0.49 137 Paper and paperboard, cut etc. 664 1.37 0.48 0.12 0.53 0.33 146 Classware <t< td=""><td>125</td><td>Prepared additives, liquids</td><td>597</td><td>0.09</td><td>0.11</td><td>0.01</td><td>0.16</td><td>0.07</td></t<>	125	Prepared additives, liquids	597	0.09	0.11	0.01	0.16	0.07
120 max. thermal products lies. 596 0.33 0.34 0.15 0.22 0.04 121 Leafter, easher goods 611 0.43 0.10 0.00 0.14 0.20 128 Maunfactured leafter etc. nes. 612 0.06 0.34 0.18 2.85 1.53 130 Materials of mober 621 0.24 1.65 0.044 1.96 2.12 132 Articles of rubber nes 629 0.77 0.55 0.33 2.48 0.77 132 Cork manufactures 633 0.02 0.01 0.00 0.00 0.00 134 Veneers, plywood etc. 634 10.70 4.66 0.09 0.71 0.32 135 Wood manufactures nes 635 5.54 1.14 1.64 1.59 1.74 136 Paper and paperboard, cut etc. 642 3.00 0.48 0.12 0.44 0.60 138 Chay, refet construction materials 661 1.05 0.45 0.33 0.44 1.38 0.24 0.44 0.64 0	126	Mine chemical products nos	500	0.05	0.01	0.15	0.22	0.04
127 Leather, leather goods 611 0,43 0,10 0.03 1.43 0.20 228 Mantfrist ranned, dressed 612 0.06 0.54 0.18 2.85 1.53 129 Furskins, tanned, dressed 613 0.01 0.00 0.04 1.46 0.05 123 Articles of rubber nes 629 0.77 0.53 0.33 0.47 0.47 0.47 134 Cork manufactures nes 633 0.02 0.01 0.00 0.00 0.00 145 Vencers, phywood etc. 634 1.07 4.66 0.09 0.71 0.32 135 Wood manufactures nes 635 5.54 1.14 1.64 1.59 1.44 136 Paper, apperboard 641 1.67 0.13 0.13 0.93 0.02 0.53 0.33 136 Miner, ennent, const materials 662 0.80 0.39 0.02 0.53 0.33 136 Miner, ennet, const materials 662 0.88 0.64 0.87 3.61 0.84 0.42	120	Mise, chemical products nes.	398	0.35	0.81	0.15	0.22	0.04
128 Manufactured leapher etc. nes. 612 0.06 0.54 0.18 0.285 1.53 130 Materials of rubber 621 0.24 1.65 0.04 0.19 0.10 131 Rubber tyres, tubes, etc. 625 1.66 0.20 0.27 1.47 0.47 132 Articles of rubber nes 629 0.77 0.55 0.33 2.48 0.77 137 Cork manufactures 633 0.02 0.01 0.00 0.00 0.00 134 Vencers, plywood etc. 634 10.70 4.66 0.09 0.71 0.32 135 Wood manufactures nes 635 5.54 1.14 1.64 1.59 0.44 0.13 0.13 0.46 0.14 139 Paper, paperboard, cut etc. 642 3.00 0.48 0.33 0.02 0.53 0.33 140 Mineral manufactures, nes 663 0.72 0.49 0.13 0.24 0.41 0.45 142 Glassware 666 1.88 0.61 0.75 0.19 </td <td>127</td> <td>Leather, leather goods</td> <td>611</td> <td>0.43</td> <td>0.10</td> <td>0.03</td> <td>1.43</td> <td>0.20</td>	127	Leather, leather goods	611	0.43	0.10	0.03	1.43	0.20
129 Furskins, tammal, dressed 613 0.01 0.00 0.014 0.03 130 Materials of nubber 621 0.24 1.65 0.04 1.97 0.14 0.05 131 Rubber tyres, tubes, etc. 625 0.24 1.65 0.04 0.96 0.77 132 Articles of rubber nes 629 0.77 0.35 0.33 0.24 0.77 131 Articles of rubber nes 629 0.77 0.35 0.33 0.30 0.00 0.00 132 Wood manufactures nes 634 10.70 4.66 0.09 0.71 0.35 135 Wood manufactures nes 641 1.67 0.13 0.12 0.34 0.66 138 Lines, cement, constr materials 662 0.39 0.02 0.33 0.33 140 Mineral manufactures nes 664 0.72 0.49 0.13 0.99 3.27 142 Glassware 666 0.38 0.65 0.09 0.45 0.42 143 Potatry 666 0.	128	Manufactured leather etc. nes	612	0.06	0.54	0.18	2 85	1 53
129 turssins, tanned, dressed 613 0.01 0.01 0.00 0.14 0.03 130 Materials of rubber nes 621 0.24 1.65 0.04 1.96 2.12 131 Rubber tyres, tubes, etc. 622 1.66 0.20 0.27 1.47 0.47 133 Cork manufactures nes 633 0.02 0.01 0.00 0.00 0.00 144 Paper, and paperboard 641 1.67 0.13 0.46 0.12 0.84 0.60 135 Euroment, const materials 661 1.05 0.45 0.57 2.17 0.49 134 Mineral manufactures, nes 663 0.72 0.49 0.13 0.99 3.27 141 Glass vare 666 1.58 0.61 0.87 0.13 0.98 0.42 143 Perer, aperiodus stones 667 0.03 0.02 0.50 0.89 0.33 144 Glass vares 691 0.37 0.55 0.19 1.20 0.41 145 Metalitis structu	120	Finandiactured teather etc. nes.	012	0.00	0.54	0.10	2.05	1.55
130 Materials of rubber 621 0.24 1.65 0.04 1.96 2.17 131 Rubber press, tobes, etc. 625 1.66 0.20 0.27 1.47 0.47 132 Articles of rubber nes 629 0.77 0.55 0.33 2.48 0.77 131 Vencers, plywood etc. 633 0.02 0.01 0.00 0.00 0.00 134 Vencers, plywood etc. 635 5.54 1.14 1.64 1.59 1.74 135 Paper and puperboard 641 1.67 0.13 0.13 0.14 0.46 0.14 137 Paper and puperboard 661 1.05 0.45 0.57 2.17 0.49 0.13 0.24 0.33 0.24 0.33 0.24 0.33 0.24 0.33 0.24 1.38 0.24 1.43 0.24 1.43 0.24 1.43 0.24 1.43 0.24 1.43 0.24 0.43 0.24 0.44 0.43 0.24 0.44 0.43 0.25 0.13 0.44 1.43	129	Furskins, tanned, dressed	613	0.01	0.01	0.00	0.14	0.05
131 Rubber tyres, tubes, etc. 625 1.66 0.20 0.27 1.47 0.47 132 Articles of rubber nes 629 0.77 0.55 0.33 2.48 0.77 133 Cork manufactures 633 0.70 0.55 0.33 2.48 0.77 133 Cork manufactures nes 635 5.54 1.14 1.64 1.59 134 Paper and paperboard 641 1.67 0.13 0.13 0.46 0.14 135 Paper and paperboard 641 1.67 0.13 0.12 0.48 0.12 0.48 0.12 0.34 0.14 0.16 0.46 0.12 0.48 0.44 0.16 0.99 3.27 147 Giass 666 0.38 0.56 0.09 0.03 0.22 0.33 0.43 0.42 0.45 0.42 147 Giass 666 0.38 0.56 0.69 0.13 0.40 0.74 0.11 0.32 0	130	Materials of rubber	621	0.24	1.65	0.04	1 96	2.12
131 Rubber Gyres, Tubes, etc. 629 1.66 0.20 0.21 1.47 0.44 132 Arricles of rubber mes 633 0.02 0.01 0.00 0.00 0.00 134 Veneers, plywood etc. 634 10.70 4.66 0.09 0.71 0.32 135 Wood manufactures nes 635 5.54 1.14 1.64 1.59 1.74 147 Paper, apperboard, ctt ct. 641 1.67 0.13 0.94 0.60 139 Clay, refret construction materials 662 0.80 0.39 0.02 0.53 0.33 144 Glassware 666 1.58 0.61 0.87 2.17 0.49 143 Peatry precious stones 666 1.58 0.61 0.87 0.61 0.83 0.02 144 Peatry precious stones 667 0.03 0.02 0.05 0.98 0.13 145 Metallic structures nes 691 0.37 0.47	101		(05	1.44	1.05	0.04	1.70	0.47
132Articles of rubber nes629 0.77 0.55 0.33 2.48 0.77 13Cork manufactures633 0.02 0.01 0.00 0.00 0.00 134Vencers, plywood etc.634 10.70 4.66 0.09 0.71 0.32 135Wood manufactures nes635 5.54 1.14 1.64 1.59 0.13 136Paper and paperboard641 1.67 0.13 0.13 0.46 0.14 137Paper, paperboard, cut etc. 642 3.00 0.48 0.57 2.17 0.49 138Clay, refet construction materials 661 1.05 0.48 0.57 0.33 0.33 140Mineral manufactures, nes 663 0.72 0.49 0.13 0.99 3.27 147GlassGlassware 665 0.88 0.56 0.09 0.43 0.24 142Glassware 665 0.88 0.56 0.09 0.43 0.24 144Glassware 665 0.84 0.57 0.60 0.33 0.19 144Metalic grancurses is fore 677 0.33 0.62 0.57 0.33 144Metalic grancurses 691 0.37 0.55 0.19 1.20 0.41 145Containers, strange, transport 692 1.66 0.64 0.12 1.09 0.41 146Containers, strange, transport 692 0.66 0.64	131	Rubber tyres, tubes, etc.	625	1.66	0.20	0.27	1.4/	0.47
131Cork manufactures6330.020.010.000.00134Vencers, plywood etc.63410.704.660.090.710.32135Woof manufactures nes6355.541.141.641.591.74136Paper, paperboard, cut etc.6423.000.480.120.440.60138Lime, cernent, constr materials6611.050.450.570.730.49139Clay, refet construction materials6611.050.450.570.493.37140Mineral manufactures, nes6630.720.490.130.993.27141Glass6641.370.830.841.380.24142Olassware6650.880.560.090.450.42143Potterysoftee6910.370.550.191.200.41144Wite products excil electric6921.660.640.121.000.44145Metalic structures nes6970.030.020.030.600.830.60148Metalic structures nes6970.740.160.331.470.93149Tools6950.620.530.060.351.72151Household quipment nes6970.740.160.331.470.93152Manufactures hase metals nes6990.170.430.190.84 <td< td=""><td>132</td><td>Articles of rubber nes</td><td>629</td><td>0.77</td><td>0.55</td><td>0.33</td><td>2.48</td><td>0.77</td></td<>	132	Articles of rubber nes	629	0.77	0.55	0.33	2.48	0.77
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	133	Cork manufactures	633	0.02	0.01	0.00	0.00	0.00
134Vencers, plywood etc.63410.704.660.090.710.32135Wood manufactures nes6355.541.141.641.591.74136Paper and paperboard6411.670.130.130.460.14137Paper, paperboard, cut etc.6423.000.480.120.840.60138Lime, cement, constr materials6611.050.450.572.170.49137Clay, refet construction materials6611.050.450.570.130.993.27141GlassGlassware6650.880.560.090.450.42143Pottery6661.580.610.873.610.580.16144Patis, precious stones6670.030.020.050.980.13145Metalic structures nes6910.370.550.191.200.44146Containers, storage, transport6921.660.640.121.000.44147Wire products excl electric6930.400.740.011.320.19148Nails, screws, nuts, etc.6950.080.240.140.250.12150Cullery6960.620.530.060.351.72151Houschold equipment nes6970.740.160.331.470.93152Marufactures base metals nes751<	155		055	0.02	0.01	0.00	0.00	0.00
135 Wood manufactures nes 635 5.54 1.14 1.64 1.59 1.74 136 Paper, paperboard, cut etc. 642 3.00 0.48 0.12 0.64 0.60 131 Line, cement, construction materials 662 0.80 0.39 0.02 0.53 0.33 140 Mineral manufactures, nes 663 0.72 0.49 0.13 0.99 3.27 141 Glassware 666 0.88 0.56 0.09 0.45 0.42 142 Glassware 665 0.88 0.56 0.09 0.45 0.42 144 Storey 666 1.58 0.61 0.87 3.61 0.58 144 Containers, storage, transport 692 1.66 0.64 0.12 1.00 0.44 145 Metalic structures nes 691 0.37 0.66 0.83 0.60 144 Word products excl electric 694 0.34 0.75 0.06 0.83 0.60 145 Mountaictature base metals nes 697 0.74	134	Veneers, plywood etc.	634	10.70	4.66	0.09	0.71	0.32
136Paper and paperbaard6411.670.130.130.140.14137Paper, papeboard, cut etc.6423.000.480.120.840.60139Clay, refrct construction materials6611.000.450.572.170.49139Clay, refrct construction materials6620.800.390.020.530.33141Glassware6660.880.560.090.450.42142Glassware6661.880.610.873.610.58144Patrs, precious stones6670.030.020.050.980.13145Metallic structures nes6910.370.550.191.200.44144Patrs, storage, transport6920.080.240.140.230.60145Voirs, storews, nus, etc.6930.400.740.011.320.12150Cullery6960.620.530.060.351.72151Household equipment nes6970.740.160.331.470.35152Manufactures base metals nes6990.170.430.190.440.42153Office machines7510.560.621.340.950.02154Maufactures base metals nes6990.170.430.190.440.45155Ortifice machines7510.560.631.050.85 </td <td>135</td> <td>Wood manufactures nes</td> <td>635</td> <td>5.54</td> <td>1.14</td> <td>1.64</td> <td>1.59</td> <td>1.74</td>	135	Wood manufactures nes	635	5.54	1.14	1.64	1.59	1.74
130 Paper hand paperboard, cut etc. 641 1, 20 0, 13 0, 13 0, 143 0, 143 138 Lime, cernent, constr materials 661 1, 05 0, 448 0, 022 0, 53 0, 33 0, 33 0, 30 0, 022 0, 53 0, 33 0, 33 0, 34 1, 38 0, 24 0, 448 0, 418 0, 424 0, 448 0, 418 0, 424 0, 448 0, 418 0, 424 0, 447 0, 418 0, 424 0, 415 0, 424 142 Glassware 665 0, 88 0, 66 0, 90 0, 45 0, 424 144 Pearls, precious stones 667 0, 03 0, 02 0, 60 0, 88 0, 44 145 Metalic structures nes 691 0, 40 0, 74 0, 01 1, 32 0, 44 147 Wire products excl electric 693 0, 40 0, 74 0, 01 1, 32 0, 44 148 Nalts, screws, nus, etc. 694 0, 42 0, 44 0, 45 0, 62	126	Paper and nanorhoard	641	1.67	0.12	0.12	0.46	0.14
137 Paper, paperboard, cut etc. 642 3.00 0.48 0.12 0.84 0.61 138 Line, cement, construction materials 661 1.05 0.45 0.57 2.17 0.49 139 Clay, refret construction materials 662 0.80 0.39 0.02 0.53 0.31 141 Glassware 665 0.88 0.66 0.99 0.45 0.42 142 Glassware 666 1.58 0.61 0.87 3.61 0.58 144 Pearls, precious stones 667 0.03 0.02 0.05 0.98 0.13 144 Metalic structures nes 691 0.37 0.55 0.19 1.20 0.41 145 Metalic structures nes 692 1.66 0.64 0.12 1.00 0.44 147 Wire products excl electric 693 0.40 0.74 0.01 1.32 0.12 140 Potos 696 0.62 0.53 0.06 0.33 1.47 0.93 151 Houschold equipment nes	150	Paper and paperboard	041	1.0/	0.13	0.13	0.46	0.14
138 Lime, cement, constr materials 661 1.05 0.43 0.57 2.17 0.49 137 Clay, refrct construction materials 662 0.80 0.39 0.02 0.53 0.33 140 Mineral manufactures, nes 663 0.72 0.49 0.13 0.99 3.27 141 Glassware 666 1.58 0.61 0.87 3.61 0.53 143 Pottery 666 1.58 0.61 0.87 3.61 0.53 144 Pearls, precious stones 667 0.03 0.02 0.05 0.98 0.13 145 Metaliki structures nes 691 0.37 0.55 0.19 1.20 0.44 146 Contatiners, storage, transport 692 1.66 0.64 0.14 0.25 0.12 147 Tools 695 0.08 0.24 0.16 0.33 1.47 0.39 148 Nalis, screws, nuts, etc. 697 0.74 0.16<	137	Paper, paperboard, cut etc.	642	3.00	0.48	0.12	0.84	0.60
$ \begin{array}{c} 1 \\ 1 \\ 1 \\ 1 \\ 2 \\ 1 \\ 1 \\ 2 \\ 1 \\ 1 \\$	138	Lime cement constr materials	661	1.05	0.45	0.57	2 17	0.49
139 Clay, Fetret construction materials 662 0.80 0.99 0.02 0.53 0.03 140 Mineral manufactures, nes 663 0.72 0.49 0.13 0.99 3.27 141 Glassware 665 0.88 0.56 0.09 0.45 0.42 143 Petery 666 1.58 0.61 0.87 3.61 0.58 144 Petery 666 1.58 0.61 0.87 3.61 0.42 144 Peters, precious stones 667 0.03 0.02 0.05 0.98 0.13 145 Metallic structures nes 691 0.37 0.55 0.19 1.20 0.41 146 Containers, storage, transport 692 1.66 0.64 0.12 1.00 0.44 147 Wire products excl electric 693 0.40 0.74 0.61 0.33 1.47 0.93 148 Totais stores, stores 751 0.56 0.63	120		660	1.05	0.45	0.57	2.17	0.42
140 Mineral manufactures, nes 663 0.72 0.49 0.13 0.99 3.27 141 Glassware 664 1.37 0.83 0.84 1.38 0.24 142 Glassware 665 0.88 0.56 0.09 0.45 0.42 143 Pottery 666 1.58 0.61 0.87 3.61 0.58 144 Metallic structures nes 691 0.37 0.55 0.19 1.20 0.41 145 Mains, screws, nus, etc. 693 0.40 0.74 0.01 1.32 0.19 140 Continenes, storage, transport 695 0.08 0.24 0.14 0.25 0.12 141 Wire products excl electric 693 0.40 0.74 0.16 0.33 1.47 0.93 145 Mainufactures base metals nes 697 0.74 0.16 0.33 1.47 0.93 151 Houschold cquipment nes 697 0.74 0.16 0.33 1.47 0.93 152 Marta for office machines <td< td=""><td>139</td><td>Clay, refret construction materials</td><td>662</td><td>0.80</td><td>0.39</td><td>0.02</td><td>0.53</td><td>0.33</td></td<>	139	Clay, refret construction materials	662	0.80	0.39	0.02	0.53	0.33
141 Glass 664 1.37 0.83 0.84 1.38 0.24 142 Glassware 665 0.88 0.61 0.99 0.45 0.42 143 Pottry 666 1.58 0.61 0.87 3.61 0.58 144 Pearls, precious stones 667 0.03 0.02 0.05 0.98 0.13 145 Metallic structures nes 691 0.37 0.55 0.19 1.20 0.41 147 Wire producit scel electric 693 0.40 0.74 0.01 1.32 0.19 148 Nails, screws, nuts, etc. 694 0.34 0.75 0.06 0.83 0.60 149 Tools 695 0.62 0.53 0.06 0.33 1.72 150 Cullery 696 0.62 0.53 0.06 0.35 1.72 151 Houschold equipment nes 697 0.74 0.16 0.33 1.74 0.93 153 Office machines 751 0.56 0.63 1.05 0.8	140	Mineral manufactures, nes	663	0.72	0.49	0.13	0.99	3.27
141 Cilassware 604 1.37 0.63 0.64 1.36 0.42 143 Pottery 666 1.58 0.61 0.87 3.61 0.58 144 Pears, precious stones 667 0.03 0.02 0.05 0.98 0.13 145 Metallic structures nes 691 0.37 0.55 0.19 1.20 0.41 146 Containers, storage, transport 692 1.66 0.64 0.12 1.00 0.44 147 Wire products excl electric 693 0.40 0.74 0.01 1.32 0.19 148 Nalis, screws, nuts, etc. 694 0.34 0.75 0.06 0.83 0.60 147 Orls cols 695 0.08 0.24 0.14 0.25 0.12 148 notafactures base metals nes 697 0.74 0.16 0.33 1.47 0.93 153 Office machines 751 0.52 2.91 4.17 2.09 0.29 154 Automatic data process equipment 752 <td>1/1</td> <td>Class</td> <td>664</td> <td>1 27</td> <td>0.02</td> <td>0.94</td> <td>1 20</td> <td>0.24</td>	1/1	Class	664	1 27	0.02	0.94	1 20	0.24
142 Cilassware 665 0.88 0.56 0.09 0.45 0.42 143 Potrery 666 1.58 0.61 0.87 3.61 0.58 144 Pearls, precious stones 667 0.03 0.02 0.05 0.98 0.13 145 Metallic structures nes 691 0.37 0.55 0.19 1.20 0.41 144 Containers, storage, transport 692 1.66 0.64 0.12 1.00 0.44 147 Wire products excl electric 693 0.40 0.74 0.01 1.32 0.19 140 Containters, storage, transport 695 0.08 0.24 0.14 0.25 0.12 150 Cutlery 696 0.62 0.53 0.06 0.35 1.72 151 Household equipment nes 697 0.74 0.16 0.33 1.47 0.93 152 Manufactures base metals nes 759 0.74 3.66 3.61 2.20 0.77 155 Parts for office machines 752 <	141	Class	004	1.57	0.85	0.64	1.50	0.24
143 Pottery 666 1.58 0.61 0.87 3.61 0.58 144 Pearls, precious stones 667 0.03 0.02 0.05 0.98 0.13 145 Metallic structures nes 691 0.37 0.55 0.19 1.20 0.41 144 Containers, storage, transport 692 1.66 0.64 0.12 1.00 0.44 147 Wire products excl electric 693 0.40 0.74 0.01 1.32 0.19 148 Nails, screws, nuts, etc. 694 0.34 0.75 0.06 0.83 0.60 147 Ories 696 0.62 0.53 0.06 0.33 1.47 0.93 150 Cutlery 696 0.62 0.53 0.06 0.34 0.15 0.88 0.02 153 Munfactures base metals nes 697 0.74 0.16 0.33 1.47 0.90 0.29 154 Automatic data process equipment 752 0.52 2.91 4.17 2.09 0.02 <td< td=""><td>142</td><td>Glassware</td><td>665</td><td>0.88</td><td>0.56</td><td>0.09</td><td>0.45</td><td>0.42</td></td<>	142	Glassware	665	0.88	0.56	0.09	0.45	0.42
144 Pearls, precious stones 667 0.03 0.02 0.05 0.98 0.13 144 Metallic structures nes 691 0.37 0.55 0.19 1.20 0.41 145 Metallic structures nes 691 0.37 0.55 0.19 1.20 0.41 147 Wire products excl electric 693 0.40 0.74 0.01 1.32 0.19 148 Nails, serews, nuts, etc. 694 0.34 0.75 0.06 0.83 0.60 150 Cutlery 696 0.62 0.53 0.06 0.35 1.72 151 Houschold equipment nes 697 0.74 0.16 0.33 1.47 0.93 152 Manufactures base metals nes 699 0.17 0.43 0.19 0.64 0.45 153 Office machines 759 0.52 2.91 4.17 2.09 0.29 155 Parts for office machines 759 0.74 3.69 3.61 2.20 0.77 158 Sound recorder, phonographic 763	143	Potterv	666	1.58	0.61	0.87	3 61	0.58
144 Prearis, precious stones 667 0.03 0.02 0.05 0.98 0.13 146 Metallic structures nes 691 0.37 0.55 0.19 1.20 0.44 147 Wire products excl electric 693 0.40 0.74 0.01 1.32 0.19 148 Nails, screws, nuts, etc. 694 0.34 0.75 0.06 0.83 0.60 149 Tools 695 0.08 0.24 0.14 0.25 0.12 150 Cutlery 696 0.62 0.53 0.06 0.35 1.77 151 Household equipment nes 697 0.74 0.16 0.33 1.47 0.93 152 Manufactures base metals nes 759 0.74 0.69 3.61 2.20 0.77 156 Television receivers etc. 761 0.92 3.57 0.27 3.03 0.63 157 Radio-broadcast receivers 762 2.70 6.82 1.34 2.95 0.01 158 atsito office machines 759 <	144		667	1.50	0.01	0.07	2.01	0.50
145 Metallic structures nes 691 0.37 0.55 0.19 1.20 0.41 146 Containers, storage, transport 692 1.66 0.64 0.12 1.00 0.44 147 Wire products excl electric 693 0.40 0.74 0.01 1.32 0.19 148 Nails, screws, nuts, etc. 694 0.34 0.75 0.06 0.83 0.60 147 Tools 695 0.08 0.24 0.14 0.25 0.12 150 Cutlery 696 0.62 0.53 0.06 0.35 1.72 151 Household equipment nes 697 0.74 0.16 0.33 1.47 0.99 152 Manufactures base metals nes 699 0.17 0.43 0.19 0.64 0.45 153 Office machines 751 0.56 0.63 1.05 0.83 0.02 154 Automatic data process equipment 752 2.70 6.82 1.34 2.95 0.01 155 Readio-broadcast receivers 762	144	Pearls, precious stones	667	0.03	0.02	0.05	0.98	0.13
146 Containers, storage, transport 692 1.66 0.64 0.12 1.00 0.44 147 Wire products excl electric 693 0.40 0.74 0.01 1.32 0.19 148 Nails, screws, nuts, etc. 694 0.34 0.75 0.06 0.83 0.60 149 Tools 695 0.08 0.24 0.14 0.25 0.12 150 Cutlery 696 0.62 0.53 0.06 0.33 1.47 0.93 151 Houschold equipment nes 697 0.74 0.16 0.33 1.47 0.93 152 Manufactures base metals nes 699 0.17 0.43 0.19 0.64 0.45 153 Office machines 751 0.52 2.91 4.17 2.09 0.29 155 Parts for office machines 759 0.74 3.69 3.61 2.20 0.77 156 Television receivers phonographic 763 3.01 3.6 0.04 1.10 0.02 157 Radio-broadcast receivers <td>145</td> <td>Metallic structures nes</td> <td>691</td> <td>0.37</td> <td>0.55</td> <td>0.19</td> <td>1.20</td> <td>0.41</td>	145	Metallic structures nes	691	0.37	0.55	0.19	1.20	0.41
The Commune, storage, name of the second s	146	Containers storage transport	602	1.66	0.64	0.12	1.00	0.44
147Wire products excl electric6930.400.740.011.320.19148Nails, screws, nuts, etc.6940.340.750.060.830.60149Tools6950.080.240.140.250.12150Cutlery6960.620.530.060.351.72151Household equipment nes6970.740.160.331.470.93152Manufactures base metals nes6990.170.430.190.640.45153Office machines7510.560.631.050.850.02154Automatic data process equipment7520.522.914.172.090.29155Parts for office machines7610.923.570.27.300.63157Radio-broadcast receivers7622.706.821.342.950.01158Sound recorder, phonographic7633.013.360.041.100.02159Telecom equipment, parts nes7640.731.550.681.120.22160Transistors, valves, etc.7760.315.5411.542.090.16161Passenger motor vehicles rates7830.040.010.000.020.00162Goods, special transport vehicles7840.260.081.040.600.04164Internal combustion engiment77930.29 </td <td>140</td> <td>Containers, storage, transport</td> <td>092</td> <td>1.00</td> <td>0.04</td> <td>0.12</td> <td>1.00</td> <td>0.44</td>	140	Containers, storage, transport	092	1.00	0.04	0.12	1.00	0.44
148Nails, screws, nuts, etc.694 0.34 0.75 0.06 0.83 0.60 149Tools695 0.08 0.24 0.14 0.25 0.12 150Cutlery696 0.62 0.53 0.06 0.35 1.72 151Houschold equipment nes697 0.74 0.16 0.33 1.47 0.93 152Manufactures base metals nes699 0.17 0.43 0.19 0.64 0.45 153Office machines751 0.56 0.63 1.05 0.85 0.02 154Automatic data process equipment752 0.52 2.91 4.17 2.09 0.29 155Parts for office machines759 0.74 3.69 3.61 2.20 0.77 156Television receivers etc.761 0.92 3.57 0.27 3.03 0.63 157Radio-broadcast receivers762 2.70 6.82 1.34 2.95 0.01 158Sound recorder, phonographic763 3.01 3.36 0.04 1.10 0.02 159Telecom equipment, parts nes776 0.31 5.54 11.54 2.09 0.16 161Passenger motor vehicles excl bus781 0.01 0.00 0.25 0.00 164antor vehicles nes783 0.04 0.01 0.00 0.43 0.00 165Internal combustion engine7132 0.27 0.02 <t< td=""><td>147</td><td>Wire products excl electric</td><td>693</td><td>0.40</td><td>0.74</td><td>0.01</td><td>1.32</td><td>0.19</td></t<>	147	Wire products excl electric	693	0.40	0.74	0.01	1.32	0.19
149 Tools 695 0.08 0.24 0.14 0.25 0.12 150 Cutlery 696 0.62 0.53 0.06 0.35 1.72 151 Houschold equipment nes 697 0.74 0.16 0.33 1.47 0.93 152 Manufactures base metals nes 699 0.17 0.43 0.19 0.64 0.45 153 Office machines 751 0.56 0.63 1.05 0.85 0.02 154 Automatic data process equipment 752 0.52 2.91 4.17 2.09 0.29 155 Parts for office machines 759 0.74 3.69 3.61 2.20 0.77 156 Television receivers etc. 761 0.92 3.57 0.27 3.03 0.63 157 Radio-broadcast receivers 762 2.70 6.82 1.34 2.95 0.01 158 Sound recorder, phonographic 763 3.01 3.54 1.154 2.09 0.16 161 Passenger motor vehicles excl bus 781	148	Nails, screws, nuts, etc.	694	0.34	0.75	0.06	0.83	0.60
149 1001s 093 0.08 0.24 0.14 0.25 0.12 150 Cullery 696 0.62 0.53 0.06 0.35 1.72 151 Household equipment nes 697 0.74 0.16 0.33 1.47 0.93 152 Manufactures base metals nes 699 0.17 0.43 0.19 0.64 0.45 153 Office machines 751 0.56 0.63 1.05 0.85 0.02 154 Automatic data process equipment 752 0.52 2.91 4.17 2.09 0.29 155 Parts for office machines 759 0.74 3.69 3.61 2.20 0.77 156 Television receivers etc. 761 0.92 3.57 0.27 3.03 0.63 158 Sound recorder, phonographic 763 3.01 3.54 1.154 2.09 0.16 161 Passenger motor vehicles excl bus 781 0.01 0.00 0.03 2.54 0.00 162 Goods, special transport vehicles	140	Toola	605	0.09	0.24	0.14	0.05	0.12
150 Cutlery 696 0.62 0.53 0.06 0.35 1.72 151 Household equipment nes 697 0.74 0.16 0.33 1.47 0.93 152 Manufactures base metals nes 699 0.17 0.43 0.19 0.64 0.45 153 Office machines 751 0.56 0.63 1.05 0.85 0.029 154 Automatic data process equipment 752 0.52 2.91 4.17 2.09 0.29 155 Parts for office machines 759 0.74 3.69 3.61 2.20 0.77 156 Television receivers tree 762 2.70 6.82 1.34 2.95 0.01 158 Sound recorder, phonographic 763 3.01 3.36 0.04 1.10 0.02 159 Telecom equipment, parts nes 764 0.73 1.55 0.68 1.12 0.22 160 Transistors, valves, etc. 776 0.31 5.54 11.54 2.09 0.16 163 Road motor vehicles nes	149	TOOIS	095	0.08	0.24	0.14	0.25	0.12
151 Household equipment ness 699 0.17 0.43 0.19 0.64 0.45 153 Office machines 751 0.56 0.63 1.05 0.85 0.02 154 Automatic data process equipment 752 0.52 2.91 4.17 2.09 0.29 155 Parts for office machines 759 0.74 3.69 3.61 2.20 0.77 156 Television receivers etc. 761 0.92 3.57 0.27 3.03 0.63 157 Radio-broadcast receivers 762 2.70 6.82 1.34 2.95 0.01 158 Sound recorder, phonographic 763 3.01 3.36 0.04 1.10 0.02 150 Transistors, valves, etc. 776 0.31 5.54 11.54 2.09 0.16 161 Passenger motor vehicles excl bus 781 0.01 0.02 0.03 2.54 0.00 162 Goods, special transport vehicles 784 0.26 0.08 1.04 0.50 0.00 164	150	Cutlery	696	0.62	0.53	0.06	0.35	1.72
152 Manufactures base metals nes 699 0.17 0.43 0.19 0.64 0.43 153 Office machines 751 0.56 0.63 1.05 0.85 0.029 154 Automatic data process equipment 752 0.52 2.91 4.17 2.09 0.29 155 Parts for office machines 759 0.74 3.69 3.61 2.20 0.77 156 Television receivers etc. 761 0.92 3.57 0.27 3.03 0.63 157 Radio-broadcast receivers 762 2.70 6.82 1.34 2.95 0.01 158 Sound recorder, phonographic 763 3.01 3.36 0.04 1.10 0.02 160 Transistors, valves, etc. 776 0.31 5.54 11.54 2.09 0.16 161 Passenger motor vehicles 781 0.01 0.00 0.02 0.00 163 Road motor vehicles nes 783 0.04 0.01 0.00 0.43 0.00 164 Internal combustion enjine vehicle	151	Household equipment nes	697	0 74	0.16	0.33	1 47	0.93
153 Office machines 751 0.67 0.63 0.19 0.64 0.43 153 Office machines 751 0.56 0.63 1.05 0.88 0.02 154 Automatic data process equipment 752 0.52 2.91 4.17 2.09 0.29 155 Television receivers etc. 761 0.92 3.57 0.27 3.03 0.63 157 Radio-broadcast receivers 762 2.70 6.82 1.34 2.95 0.01 158 Sound recorder, phonographic 763 3.01 3.36 0.04 1.10 0.02 159 Telecom equipment, parts nes 764 0.73 1.55 0.68 1.12 0.22 160 Transistors, valves, etc. 776 0.31 5.54 11.54 2.09 0.16 161 Passenger motor vehicles rest bus 781 0.01 0.02 0.03 2.54 0.00 162 Goods, special transport vehicles 784 0.26 0.08 1.04 0.50 0.04 164 Parts,	1.00	No. Contract la sect la sec	(00	0.17	0.10	0.55	0.64	0.15
153 Office machines 751 0.56 0.63 1.05 0.85 0.02 154 Automatic data process equipment 752 0.52 2.91 4.17 2.09 0.29 155 Parts for office machines 759 0.74 3.69 3.61 2.20 0.77 156 Television receivers etc. 761 0.92 3.57 0.27 3.03 0.63 157 Radio-broadcast receivers 762 2.70 6.82 1.34 2.95 0.01 158 Sound recorder, phonographic 763 3.01 3.55 0.68 1.12 0.22 160 Transistors, valves, etc. 776 0.31 5.54 11.54 2.09 0.16 161 Passenger motor vehicles nes 783 0.01 0.02 0.03 2.54 0.00 163 Road motor vehicles nes 784 0.26 0.08 1.04 0.50 0.04 165 Internal combustion engine vehicles 7132 0.27 0.02 0.00 0.43 0.00 0.00 0.02 0	152	Manufactures base metals nes	699	0.17	0.43	0.19	0.64	0.45
154 Automatic data process equipment 752 0.52 2.91 4.17 2.09 0.29 155 Parts for office machines 759 0.74 3.69 3.61 2.20 0.77 156 Television receivers etc. 761 0.92 3.57 0.27 3.03 0.63 157 Radio-broadcast receivers 762 2.70 6.82 1.34 2.95 0.01 158 Sound recorder, phonographic 763 3.01 3.36 0.04 1.10 0.02 159 Telecom equipment, parts nes 764 0.73 1.55 0.68 1.12 0.02 160 Transistors, valves, etc. 776 0.31 5.54 11.54 2.09 0.16 161 Passenger motor vehicles cel bus 781 0.01 0.02 0.03 2.54 0.00 162 Goods, special transport vehicles 782 0.01 0.02 0.00 0.43 0.00 0.00 164 Parts, tractors, motor vehicles 784 0.26 0.08 1.04 0.50 0.04	153	Office machines	751	0.56	0.63	1.05	0.85	0.02
155 Patisfier office machines 752 0.32 131 411 2.00 0.77 156 Television receivers etc. 761 0.92 3.57 0.27 3.03 0.63 157 Radio-broadcast receivers 762 2.70 6.82 1.34 2.95 0.01 158 Sound recorder, phonographic 763 3.01 3.36 0.04 1.10 0.02 159 Telecom equipment, parts nes 764 0.73 1.55 0.68 1.12 0.22 160 Transistors, valves, etc. 776 0.31 5.54 11.54 2.09 0.16 161 Passenger motor vehicles excl bus 781 0.01 0.02 0.03 2.54 0.00 162 Goods, special transport vehicles 782 0.01 0.02 0.03 2.54 0.00 163 Rade motor vehicles 784 0.26 0.08 1.04 0.50 0.04 164 Parts, tractors, motor vehicles 783 0.04 0.00 0.43 0.00 0.07 1.67 Railway vehic	154	Automatic data process equipment	752	0.52	2 01	4 17	2.09	0.29
155 Parts for othice machines 759 0.74 3.69 3.61 2.20 0.77 156 Television receivers etc. 761 0.92 3.57 0.27 3.03 0.63 157 Radio-broadcast receivers 762 2.70 6.82 1.34 2.95 0.01 158 Sound recorder, phonographic 763 3.01 3.36 0.04 1.10 0.02 159 Telecom equipment, parts nes 764 0.73 1.55 0.68 1.12 0.22 160 Transistors, valves, etc. 776 0.31 5.54 11.54 2.09 0.16 161 Passenger motor vehicles excl bus 781 0.01 0.02 0.03 2.54 0.00 163 Road motor vehicles 782 0.01 0.02 0.00 0.43 0.00 164 Parts, tractors, motor vehicles 7132 0.27 0.02 0.00 0.43 0.00 165 Internal combustion engine vehicles 7132 0.27 0.02 0.16 0.14 0.67 0.01 <tr< td=""><td>154</td><td>Automatic data process equipment</td><td>752</td><td>0.52</td><td>2.71</td><td>7.17</td><td>2.07</td><td>0.27</td></tr<>	154	Automatic data process equipment	752	0.52	2.71	7.17	2.07	0.27
156Television receivers etc.761 0.92 3.57 0.27 3.03 0.63 157Radio-broadcast receivers762 2.70 6.82 1.34 2.95 0.01 158Sound recorder, phonographic763 3.01 3.36 0.04 1.10 0.02 159Telecom equipment, parts nes764 0.73 1.55 0.68 1.12 0.22 160Transistors, valves, etc.776 0.31 5.54 11.54 2.09 0.16 161Passenger motor vehicles excl bus781 0.01 0.02 0.03 2.54 0.00 162Goods, special transport vehicles782 0.01 0.02 0.03 2.54 0.00 163Road motor vehicles nes783 0.04 0.01 0.00 0.02 0.00 164Parts, tractors, motor vehicles7132 0.27 0.02 0.00 0.43 0.00 165Internal combustion engine vehicles7132 0.27 0.02 0.00 0.43 0.00 166Automotive electronic equipment7783 0.40 0.34 0.09 0.91 0.07 167Railway vehicles equipment792 0.02 0.16 0.14 0.67 0.01 168Aircraft, associated equipment793 0.29 0.10 0.12 0.31 0.44 170Internal combustion piston engine713 0.23 0.23 0.23 0.23	155	Parts for office machines	759	0.74	3.69	3.61	2.20	0.77
157 Radio-broadcast receivers 762 2.70 6.82 1.34 2.95 0.01 158 Sound recorder, phonographic 763 3.01 3.36 0.04 1.10 0.02 159 Telecom equipment, parts nes 764 0.73 1.55 0.68 1.12 0.22 160 Transistors, valves, etc. 776 0.31 5.54 11.54 2.09 0.16 161 Passenger motor vehicles excl bus 781 0.01 0.01 0.08 0.18 0.01 162 Goods, special transport vehicles 782 0.01 0.02 0.03 2.54 0.00 163 Road motor vehicles 783 0.04 0.01 0.00 0.02 0.00 164 Parts, tractors, motor vehicles 7132 0.27 0.02 0.00 0.43 0.00 166 Automotive electronic equipment 791 0.04 0.00 0.45 0.00 0.00 167 Railway vehicles equipment 792 0.02 0.16 0.14 0.67 0.01 167<	156	Television receivers etc.	761	0.92	3.57	0.27	3.03	0.63
137 Rando-modulast receivers 762 2.70 0.62 1.34 2.73 0.01 158 Sound recorder, phonographic 763 3.01 3.36 0.04 1.10 0.02 159 Telecom equipment, parts nes 764 0.73 1.55 0.68 1.12 0.22 160 Transistors, valves, etc. 776 0.31 5.54 11.54 2.09 0.16 161 Passenger motor vehicles excl bus 781 0.01 0.02 0.03 2.54 0.00 162 Goods, special transport vehicles 782 0.01 0.02 0.03 2.54 0.00 164 Parts, tractors, motor vehicles 784 0.26 0.08 1.04 0.50 0.04 165 Internal combustion engine vehicles 7132 0.27 0.02 0.00 0.43 0.00 166 Automotive electronic equipment 791 0.04 0.00 0.45 0.00 0.00 168 Aitrcarft, associated equipment 792 0.02 0.16 0.14 0.67 0.01	167	Dedie hasedeest receivers	762	2.70	6.82	1.24	2.05	0.01
158 Sound recorder, phonographic 763 3.01 3.36 0.04 1.10 0.02 159 Telecom equipment, parts nes 764 0.73 1.55 0.68 1.12 0.22 160 Transistors, valves, etc. 776 0.31 5.54 11.54 2.09 0.16 161 Passenger motor vehicles excl bus 781 0.01 0.02 0.03 2.54 0.00 163 Road motor vehicles nes 783 0.04 0.01 0.00 0.02 0.00 164 Parts, tractors, motor vehicles 784 0.26 0.08 1.04 0.50 0.04 165 Internal combustion engine vehicles 7132 0.27 0.02 0.00 0.43 0.00 166 Automotive electronic equipment 791 0.04 0.00 0.45 0.00 0.00 168 Aitcraft, associated equipment 792 0.02 0.16 0.14 0.67 0.01 169 Ship, boat, float structures 793 0.29 0.10 0.12 0.31 0.04	157	Raulo-broaucast receivers	762	2.70	0.82	1.54	2.95	0.01
159 Telecom equipment, parts nes 764 0.73 1.55 0.68 1.12 0.22 160 Transistors, valves, etc. 776 0.31 5.54 11.54 2.09 0.16 161 Passenger motor vehicles excl bus 781 0.01 0.02 0.03 2.54 0.00 162 Goods, special transport vehicles 782 0.01 0.02 0.03 2.54 0.00 163 Road motor vehicles nes 783 0.04 0.01 0.00 0.02 0.00 164 Parts, tractors, motor vehicles 784 0.26 0.08 1.04 0.50 0.04 165 Internal combustion engine vehicles 7132 0.27 0.02 0.00 0.43 0.00 166 Automotive electronic equipment 791 0.04 0.00 0.45 0.00 0.00 168 Aircraft, associated equipment 792 0.29 0.10 0.12 0.31 0.04 170 Internal combustion piston engine 713 0.23 0.11 0.20 0.59 0.02	158	Sound recorder, phonographic	763	3.01	3.36	0.04	1.10	0.02
160 Transistors, valves, etc. 776 0.31 5.54 11.54 2.09 0.16 161 Passenger motor vehicles excl bus 781 0.01 0.01 0.08 0.18 0.01 162 Goods, special transport vehicles 782 0.01 0.02 0.03 2.54 0.00 163 Road motor vehicles nes 783 0.04 0.01 0.00 0.02 0.00 164 Parts, tractors, motor vehicles 784 0.26 0.08 1.04 0.50 0.04 165 Internal combustion engine vehicles 7132 0.27 0.02 0.00 0.43 0.00 166 Automotive electronic equipment 791 0.04 0.00 0.45 0.00 0.00 168 Aircraft, associated equipment 792 0.02 0.16 0.14 0.67 0.01 169 Ship, boat, float structures 793 0.29 0.10 0.12 0.31 0.04 170 Internal combustion piston engine 713 0.23 0.11 0.20 0.59 0.02	159	Telecom equipment parts nes	764	0.73	1.55	0.68	1.12	0.22
160 Transistors, Valves, etc. 776 0.31 5.34 11.54 2.09 0.16 161 Passenger motor vehicles excl bus 781 0.01 0.01 0.08 0.18 0.01 162 Goods, special transport vehicles 782 0.01 0.02 0.03 2.54 0.00 163 Road motor vehicles nes 783 0.04 0.01 0.00 0.02 0.00 164 Parts, tractors, motor vehicles 784 0.26 0.08 1.04 0.50 0.04 165 Internal combustion engine vehicles 7132 0.27 0.02 0.00 0.43 0.00 166 Automotive electronic equipment 7783 0.40 0.34 0.09 0.91 0.07 167 Railway vehicles equipment 791 0.04 0.00 0.45 0.00 0.00 168 Aircraft, associated equipment 792 0.02 0.16 0.14 0.67 0.01 170 Internal combustion piston engine 713 0.23 0.11 0.20 0.59 0.02	1.0	Teresisters and	701	0.72	5.54	11 5 4	2.00	0.16
161 Passenger motor vehicles excl bus 781 0.01 0.01 0.08 0.18 0.01 162 Goods, special transport vehicles 782 0.01 0.02 0.03 2.54 0.00 163 Road motor vehicles nes 783 0.04 0.01 0.00 0.02 0.00 164 Parts, tractors, motor vehicles 784 0.26 0.08 1.04 0.50 0.04 165 Internal combustion engine vehicles 7132 0.27 0.02 0.00 0.43 0.00 166 Automotive electronic equipment 791 0.04 0.00 0.45 0.00 0.00 168 Aircraft, associated equipment 792 0.02 0.16 0.14 0.67 0.01 169 Ship, boat, float structures 793 0.29 0.10 0.12 0.31 0.04 170 Internal combustion piston engine 713 0.23 0.11 0.20 0.59 0.02 171 Cycles, motor cycles etc. 785 0.94 0.44 0.54 1.83 2.81	160	I ransistors, valves, etc.	//6	0.31	5.54	11.54	2.09	0.16
162 Goods, special transport vehicles 782 0.01 0.02 0.03 2.54 0.00 163 Road motor vehicles nes 783 0.04 0.01 0.00 0.02 0.00 164 Parts, tractors, motor vehicles 784 0.26 0.08 1.04 0.50 0.04 165 Internal combustion engine vehicles 7132 0.27 0.02 0.00 0.43 0.00 166 Automotive electronic equipment 7783 0.40 0.34 0.09 0.91 0.07 167 Railway vehicles equipment 791 0.04 0.00 0.45 0.00 0.00 168 Aircraft, associated equipment 792 0.02 0.16 0.14 0.67 0.01 169 Ship, boat, float structures 793 0.29 0.10 0.12 0.31 0.04 170 Internal combustion piston engine 713 0.23 0.11 0.20 0.59 0.02 171 Cycles, motor cycles etc. 786 0.37 0.13 0.06 0.23 0.23 <tr< td=""><td>161</td><td>Passenger motor vehicles excl bus</td><td>781</td><td>0.01</td><td>0.01</td><td>0.08</td><td>0.18</td><td>0.01</td></tr<>	161	Passenger motor vehicles excl bus	781	0.01	0.01	0.08	0.18	0.01
102 0.004 0.01 0.02 0.03 0.02 0.03 0.04 0.01 0.00 0.02 0.00 163 Road motor vehicles 783 0.04 0.01 0.00 0.02 0.00 164 Parts, tractors, motor vehicles 7132 0.27 0.02 0.00 0.43 0.00 165 Internal combustion engine vehicles 7132 0.27 0.02 0.00 0.43 0.00 166 Automotive electronic equipment 7783 0.40 0.34 0.09 0.91 0.07 167 Railway vehicles equipment 791 0.04 0.00 0.45 0.00 0.00 168 Aircraft, associated equipment 792 0.02 0.16 0.14 0.67 0.01 169 Ship, boat, float structures 793 0.29 0.10 0.12 0.31 0.04 170 Internal combustion piston engine 713 0.23 0.11 0.20 0.59 0.02 171 Cycles, motor cycles etc. 786 0.37 0.13 0.06 <	162	Goods special transport vehicles	782	0.01	0.02	0.03	2 54	0.00
163 Road motor vehicles nes 783 0.04 0.01 0.00 0.02 0.00 164 Parts, tractors, motor vehicles 784 0.26 0.08 1.04 0.50 0.04 165 Internal combustion engine vehicles 7132 0.27 0.02 0.00 0.43 0.00 166 Automotive electronic equipment 7783 0.40 0.34 0.09 0.91 0.07 167 Railway vehicles equipment 791 0.04 0.00 0.45 0.00 0.00 168 Aircraft, associated equipment 792 0.02 0.16 0.14 0.67 0.01 169 Ship, boat, float structures 793 0.29 0.10 0.12 0.31 0.04 170 Internal combustion piston engine 713 0.23 0.11 0.20 0.59 0.02 171 Cycles, motor cycles etc. 785 0.94 0.44 0.54 1.83 2.81 172 Trailers, semi-trailers, etc. 711 1.52 0.47 0.57 0.26 0.06	102	Coods, special transport venicies	702	0.01	0.02	0.00	2.54	0.00
164Parts, tractors, motor vehicles7840.260.081.040.500.04165Internal combustion engine vehicles71320.270.020.000.430.00166Automotive electronic equipment77830.400.340.090.910.07167Railway vehicles equipment7910.040.000.450.000.00168Aircraft, associated equipment7920.020.160.140.670.01169Ship, boat, float structures7930.290.100.120.310.04170Internal combustion piston engine7130.230.110.200.590.02171Cycles, motor cycles etc.7850.940.440.541.832.81172Trailers, semi-trailers, etc.7860.370.130.060.230.23173Steam generator boilers, etc.7111.520.470.570.260.06174Steam turbines7120.670.120.020.310.00175Engines, motors non-electrical7140.010.130.000.100.01176Rating electric plant7161.150.610.051.800.92177Other power generating machinery7180.110.100.070.320.01176Rotating electric plant7230.270.170.150.170.07178 <td>163</td> <td>Road motor vehicles nes</td> <td>/83</td> <td>0.04</td> <td>0.01</td> <td>0.00</td> <td>0.02</td> <td>0.00</td>	163	Road motor vehicles nes	/83	0.04	0.01	0.00	0.02	0.00
165Internal combustion engine vehicles71320.270.020.000.430.00166Automotive electronic equipment77830.400.340.090.910.07167Railway vehicles equipment7910.040.000.450.000.00168Aircraft, associated equipment7920.020.160.140.670.01169Ship, boat, float structures7930.290.100.120.310.04170Internal combustion piston engine7130.230.110.200.590.02171Cycles, motor cycles etc.7850.940.440.541.832.81172Trailers, semi-trailers, etc.7860.370.130.060.230.23173Steam generator boilers, etc.7111.520.470.570.260.06174Steam turbines7120.670.120.020.310.00175Engines, motors non-electrical7140.010.130.000.100.01176Rotating electric plant7161.150.610.051.800.92177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.010.070.020.040.10179Tractors7220.030.020.010.130.03180Civi	164	Parts, tractors, motor vehicles	784	0.26	0.08	1.04	0.50	0.04
105Internal conflution engine ventices71520.270.020.000.430.00166Automotive electronic equipment77830.400.340.090.910.07167Railway vehicles equipment7910.040.000.450.000.00168Aircraft, associated equipment7920.020.160.140.670.01169Ship, boat, float structures7930.290.100.120.310.04170Internal combustion piston engine7130.230.110.200.590.02171Cycles, motor cycles etc.7850.940.440.541.832.81172Trailers, semi-trailers, etc.7860.370.130.060.230.23173Steam generator boilers, etc.7111.520.470.570.260.06174Steam turbines7120.670.120.020.310.00175Engines, motors non-electrical7140.010.130.000.100.01176Rotating electric plant7161.150.610.051.800.92177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.010.070.320.61179Tractors7220.030.020.010.130.03180Civil engineering	165	Internal combustion on sine vehicles	7122	0.27	0.02	0.00	0.42	0.00
166Automotive electronic equipment77830.400.340.090.910.07167Railway vehicles equipment7910.040.000.450.000.00168Aircraft, associated equipment7920.020.160.140.670.01169Ship, boat, float structures7930.290.100.120.310.04170Internal combustion piston engine7130.230.110.200.590.02171Cycles, motor cycles etc.7850.940.440.541.832.81172Trailers, semi-trailers, etc.7860.370.130.060.230.23173Steam generator boilers, etc.7111.520.470.570.260.06174Steam turbines7120.670.120.020.310.00175Engines, motors non-electrical7140.010.130.000.100.01176Rotating electric plant7161.150.610.051.800.92177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.010.070.020.040.10179Tractors7220.030.020.010.130.030.34180Civil engineering equipment7230.270.170.150.170.07181	105	Internal combustion engine venicies	7132	0.27	0.02	0.00	0.45	0.00
167Railway vehicles equipment7910.040.000.450.000.00168Aircraft, associated equipment7920.020.160.140.670.01169Ship, boat, float structures7930.290.100.120.310.04170Internal combustion piston engine7130.230.110.200.590.02171Cycles, motor cycles etc.7850.940.440.541.832.81172Trailers, semi-trailers, etc.7860.370.130.060.230.23173Steam generator boilers, etc.7111.520.470.570.260.06174Steam turbines7120.670.120.020.310.00175Engines, motors non-electrical7140.010.130.000.100.01176Rotating electric plant7161.150.610.051.800.92177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.010.070.020.040.10179Tractors7220.030.020.010.130.03180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7250.020.070.130.070.02182Paper, pulp mill mac	166	Automotive electronic equipment	7783	0.40	0.34	0.09	0.91	0.07
168Aircraft, associated equipment7920.020.160.140.670.01169Ship, boat, float structures7930.290.100.120.310.04170Internal combustion piston engine7130.230.110.200.590.02171Cycles, motor cycles etc.7850.940.440.541.832.81172Trailers, semi-trailers, etc.7860.370.130.060.230.23173Steam generator boilers, etc.7111.520.470.570.260.06174Steam turbines7120.670.120.020.310.00175Engines, motors non-electrical7140.010.130.000.100.01176Rotating electric plant7161.150.610.051.800.92177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.010.070.020.040.13180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184 <td< td=""><td>167</td><td>Railway vehicles equipment</td><td>791</td><td>0.04</td><td>0.00</td><td>0.45</td><td>0.00</td><td>0.00</td></td<>	167	Railway vehicles equipment	791	0.04	0.00	0.45	0.00	0.00
168Arctart, associated equipment7920.020.160.140.670.01169Ship, boat, float structures7930.290.100.120.310.04170Internal combustion piston engine7130.230.110.200.590.02171Cycles, motor cycles etc.7850.940.440.541.832.81172Trailers, semi-trailers, etc.7860.370.130.060.230.23173Steam generator boilers, etc.7111.520.470.570.260.06174Steam turbines7120.670.120.020.310.00175Engines, motors non-electrical7140.010.130.000.100.01176Rotating electric plant7161.150.610.051.800.92177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.010.070.020.040.11179Tractors7220.030.020.010.130.03180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor ma	160	A incurs for a second second second	702	0.02	0.16	0.14	0.67	0.01
169Ship, boat, float structures7930.290.100.120.310.04170Internal combustion piston engine7130.230.110.200.590.02171Cycles, motor cycles etc.7850.940.440.541.832.81172Trailers, semi-trailers, etc.7860.370.130.060.230.23173Steam generator boilers, etc.7111.520.470.570.260.06174Steam turbines7120.670.120.020.310.00175Engines, motors non-electrical7140.010.130.000.100.01176Rotating electric plant7161.150.610.051.800.92177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.030.020.010.130.03180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7260.010.540.030.540.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185 <t< td=""><td>108</td><td>Aircraft, associated equipment</td><td>192</td><td>0.02</td><td>0.10</td><td>0.14</td><td>0.0/</td><td>0.01</td></t<>	108	Aircraft, associated equipment	192	0.02	0.10	0.14	0.0/	0.01
170Internal combustion piston engine7130.230.110.200.590.02171Cycles, motor cycles etc.7850.940.440.541.832.81172Trailers, semi-trailers, etc.7860.370.130.060.230.23173Steam generator boilers, etc.7111.520.470.570.260.06174Steam turbines7120.670.120.020.310.00175Engines, motors non-electrical7140.010.130.000.100.01176Rotating electric plant7161.150.610.051.800.92177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.010.070.020.040.10179Tractors7220.030.020.010.130.03180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, pa	169	Ship, boat, float structures	793	0.29	0.10	0.12	0.31	0.04
171 Cycles, motor cycles etc. 785 0.94 0.44 0.54 1.83 2.81 172 Trailers, semi-trailers, etc. 786 0.37 0.13 0.06 0.23 0.23 173 Steam generator boilers, etc. 711 1.52 0.47 0.57 0.26 0.06 174 Steam generator boilers, etc. 711 1.52 0.47 0.57 0.26 0.06 174 Steam generator boilers, etc. 711 1.52 0.47 0.57 0.26 0.06 174 Steam turbines 712 0.67 0.12 0.02 0.31 0.00 175 Engines, motors non-electrical 714 0.01 0.13 0.00 0.10 0.01 176 Rotating electric plant 716 1.15 0.61 0.05 1.80 0.92 177 Other power generating machinery 718 0.11 0.10 0.02 0.04 0.10 179 Tractors 722 0.03 0.02 0.01 0.13 0.03 180 Civil engineering	170	Internal combustion niston engine	713	0.23	0.11	0.20	0.59	0.02
171Cycles, motor cycles etc.7850.940.440.541.832.81172Trailers, semi-trailers, etc.7860.370.130.060.230.23173Steam generator boilers, etc.7111.520.470.570.260.06174Steam turbines7120.670.120.020.310.00175Engines, motors non-electrical7140.010.130.000.100.01176Rotating electric plant7161.150.610.051.800.92177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.010.070.020.040.10179Tractors7220.030.020.010.130.03180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, parts, special indust7280.060.410.310.130.07	170	Internal combustion piston engine	715	0.25	0.11	0.20	1.00	0.02
172Trailers, semi-trailers, etc.7860.370.130.060.230.23173Steam generator boilers, etc.7111.520.470.570.260.06174Steam turbines7120.670.120.020.310.00175Engines, motors non-electrical7140.010.130.000.100.01176Rotating electric plant7161.150.610.051.800.92177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.010.070.020.040.10179Tractors7220.030.020.010.130.03180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, parts, special indust7280.060.410.310.130.07	1/1	Cycles, motor cycles etc.	(8 <u>5</u>	0.94	0.44	0.54	1.83	2.81
173Steam generator boilers, etc.7111.520.470.570.260.06174Steam turbines7120.670.120.020.310.00175Engines, motors non-electrical7140.010.130.000.100.01176Rotating electric plant7161.150.610.051.800.92177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.010.070.020.040.10179Tractors7220.030.020.010.130.03180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, parts, special indust7280.060.410.310.130.07	172	Trailers, semi-trailers, etc.	786	0.37	0.13	0.06	0.23	0.23
173Steam generator boners, etc.7111.320.470.370.200.00174Steam turbines7120.670.120.020.310.00175Engines, motors non-electrical7140.010.130.000.100.01176Rotating electric plant7161.150.610.051.800.92177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.010.070.020.040.10179Tractors7220.030.020.010.130.03180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, parts, special indust7280.060.410.310.130.07	172	Steam concreter heilers, etc.	711	1.52	0.47	0.57	0.26	0.06
174Steam turbines7120.670.120.020.310.00175Engines, motors non-electrical7140.010.130.000.100.01176Rotating electric plant7161.150.610.051.800.92177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.010.070.020.040.10179Tractors7220.030.020.010.130.03180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, parts, special indust7280.060.410.310.130.07	175	Steam generator boners, etc.	711	1.52	0.47	0.57	0.20	0.00
175Engines, motors non-electrical7140.010.130.000.100.01176Rotating electric plant7161.150.610.051.800.92177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.010.070.020.040.10179Tractors7220.030.020.010.130.03180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, parts, special indust7280.060.410.310.130.07	174	Steam turbines	712	0.67	0.12	0.02	0.31	0.00
176Rotating electric plant7161.150.610.051.800.92177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.010.070.020.040.10179Tractors7220.030.020.010.130.03180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, parts, special indust7280.060.410.310.130.07	175	Engines, motors non-electrical	714	.0.01	0.13	0.00	0.10	0.01
170Rotating electric plant7101.130.010.051.800.92177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.010.070.020.040.10179Tractors7220.030.020.010.130.03180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, parts, special indust7280.060.410.310.130.07	170	Deteting -leating ml-mt	714	1 1 5	0.41	0.05	1 00	0.02
177Other power generating machinery7180.110.100.020.050.00178Agricultures machines, ex-tractors7210.010.070.020.040.10179Tractors7220.030.020.010.130.03180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, parts, special indust7280.060.410.310.130.07	1/0	Rotating electric plant	/10	1.13	0.01	0.05	1.00	0.92
178Agricultures machines, ex-tractors7210.010.070.020.040.10179Tractors7220.030.020.010.130.03180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, parts, special indust7280.060.410.310.130.07	177	Other power generating machinery	718	0.11	0.10	0.02	0.05	0.00
170Agricultures indefinites, exclusion7210.010.010.020.020.040.10179Tractors7220.030.020.010.130.03180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, parts, special indust7280.060.410.310.130.07	178	A aricultures machines ex-tractors	721	0.01	0.07	0.02	0.04	0.10
1/9Iractors7220.030.020.010.130.03180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, parts, special indust7280.060.410.310.130.07	170	The function of the function o	721	0.01	0.07	0.02	0.0-1	0.10
180Civil engineering equipment7230.270.170.150.170.07181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, parts, special indust7280.060.410.310.130.07	1/9	Iractors	122	0.03	0.02	0.01	0.13	0.03
181Textile, leather machines7240.060.100.070.320.61182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, parts, special indust7280.060.410.310.130.07	180	Civil engineering equipment	723	0.27	0.17	0.15	0.17	0.07
181Pextuc, reduct indefinities7240.000.100.070.320.01182Paper, pulp mill machines7250.020.070.130.070.02183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, parts, special indust7280.060.410.310.130.07	191	Taytila leather machines	724	0.06	0.10	0.07	0.32	0.61
182 Paper, pulp mill machines 725 0.02 0.07 0.13 0.07 0.02 183 Printing, bookbinding machines 726 0.01 0.54 0.03 0.54 0.02 184 Food-processor machines non-dom 727 0.13 0.41 0.17 0.18 0.15 185 Other machines, parts, special indust 728 0.06 0.41 0.31 0.13 0.07	101	TEAULE, leauler machines	144	0.00	0.10	0.07	0.52	0.01
183Printing, bookbinding machines7260.010.540.030.540.02184Food-processor machines non-dom7270.130.410.170.180.15185Other machines, parts, special indust7280.060.410.310.130.07	182	Paper, pulp mill machines	125	0.02	0.07	0.13	0.07	0.02
184 Food-processor machines non-dom 727 0.13 0.41 0.17 0.18 0.15 185 Other machines, parts, special indust 728 0.06 0.41 0.31 0.13 0.07	183	Printing, bookbinding machines	726	0.01	0.54	0.03	0.54	0.02
184 Food-processor machines non-dom 127 0.15 0.41 0.17 0.18 0.15 185 Other machines, parts, special indust 728 0.06 0.41 0.31 0.13 0.07	101	East and appear mosting and the	707	0.12	0.41	0.17	0.10	0.15
185 Other machines, parts, special indust 728 0.06 0.41 0.31 0.13 0.07	184	rood-processor machines non-dom	121	0.15	0.41	U.17	0.18	0.15
	185	Other machines, parts, special indust	728	0.06	0.41	0.31	0.13	0.07

186 Media removal work tools 731 0.03 0.30 0.05 0.43 0.01 188 Parts, nes for machine-tools 735 0.02 0.20 0.42 0.16 0.01 189 Metal working machinery nes 737 0.10 0.18 0.03 0.18 0.03 190 Heating, cooling quipment, parts 741 0.23 0.80 0.42 2.75 0.01 191 Purps nes, centrifugs etc. 743 0.33 0.44 0.10 0.19 0.10 0.28 0.027 0.01 194 Other non-dectric, tools nes 745 0.10 0.12 0.03 0.41 0.12 195 Tags, cocks, valves, etc. 747 0.06 0.12 0.03 0.41 0.10 195 Tesp, cocks, valves, etc. 747 0.10 0.47 0.21 0.35 0.15 1.15 1.57 0.47 195 Detectric machines, parts etc. 749 0.10 0.47 0.21 0.35 0.15 1.15 1.57 0.47 195 Detectric mac		the second se		And in case of the second s				
187 Mach-tools, motal-working 733 0.03 0.75 0.03 0.07 0.01 189 Parts, nes for machinery nes 737 0.10 0.18 0.03 0.18 0.03 191 Pumps for liquids, parts 742 0.07 0.05 0.17 0.28 0.05 192 Pumps nec, centrifugs etc. 743 0.03 0.44 0.10 0.91 0.15 194 Other no-electric, tools nes 745 0.10 0.12 0.05 0.13 0.041 195 Ball or roller bearings 746 0.61 0.46 0.22 1.0 0.12 0.13 0.041 0.12 0.20 0.41 0.12 0.20 0.41 0.12 0.20 0.22 0.14 Nore-dectric machines, parts etc. 747 0.66 0.12 0.03 0.41 0.12 0.25 0.25 1.15 0.53 0.15 0.25 0.15 0.25 0.15 0.25 1.15 2.53 1.15 0.53 0.25 1.15 2.53 1.15 0.53 0.25 2.15 2.15	186	Metal removal work tools	731	0.03	0.30	0.05	0.43	0.01
18 Parts, nes for machine-tools 737 0.02 0.20 0.42 0.16 0.013 19 Metalix ovorking machinery nes 737 0.10 0.18 0.03 0.42 2.75 0.01 10 Pumps for liquids, parts 742 0.07 0.05 0.17 0.28 0.055 12 Pumps nes, centrifugs etc. 743 0.33 0.44 0.10 0.18 0.08 0.27 0.01 13 Other non-electric, tools nes 745 0.10 0.12 0.03 0.41 0.12 0.03 0.41 0.12 14 Diter baarings 746 0.61 0.46 0.22 0.14 0.12 0.03 0.41 0.12 0.03 0.41 0.12 0.03 0.41 0.10 0.47 0.21 0.35 0.55 0.55 0.15 0.55 0.55 0.15 0.55 0.25 1.15 2.53 0.10 0.00 0.44 0.01 0.04 0.01 0.044 0.01 0.06 0.44 0.01 0.06 0.55 0.55 1.53 <td>187</td> <td>Mach-tools, metal-working</td> <td>733</td> <td>0.03</td> <td>0.35</td> <td>0.03</td> <td>0.07</td> <td>0.03</td>	187	Mach-tools, metal-working	733	0.03	0.35	0.03	0.07	0.03
189 Metal working machinery nes 737 0.10 0.18 0.03 0.18 0.03 191 Pumps for liquids, parts 742 0.07 0.05 0.17 0.28 0.05 191 Pumps for liquids, parts 742 0.07 0.05 0.17 0.28 0.05 193 Mechanical handling equipment 744 0.10 0.18 0.06 0.13 0.04 194 Other non-electric, tools nes 745 0.10 0.12 0.03 0.41 0.12 0.03 0.41 0.12 0.03 0.41 0.12 0.13 0.04 1.12 0.05 0.13 0.04 1.12 0.02 0.14 197 Transmissions shafts etc. 749 0.10 0.47 0.21 0.35 0.15 1.67 0.47 201 Electric machines, parts retic. 749 0.44 0.41 0.01 0.04 0.01 203 Electric distributor equipment nes 773 0.90 0.55 <td< td=""><td>188</td><td>Parts, nes for machine-tools</td><td>735</td><td>0.02</td><td>0.20</td><td>0.42</td><td>0.16</td><td>0.01</td></td<>	188	Parts, nes for machine-tools	735	0.02	0.20	0.42	0.16	0.01
100 Heating, cooling equipment, parts 741 0.23 0.80 0.42 2.75 0.01 121 Pumps nes, centrifugs etc. 743 0.33 0.44 0.10 0.91 0.15 124 Other non-electric, tools nes 745 0.10 0.12 0.05 0.33 0.04 124 Other non-electric, tools nes 745 0.61 0.42 0.25 1.20 0.02 126 Taps, cocks, valves, etc. 747 0.66 0.12 0.03 0.41 0.12 127 Transmissions shafts etc. 748 0.15 0.10 0.22 0.14 128 Electric invitor relay circuit 772 0.73 2.00 1.15 1.67 0.47 121 Electric invitor relay circuit 772 0.73 2.00 1.15 1.53 2.53 1.15 2.53 1.15 2.53 1.15 2.53 1.15 2.53 1.16 0.28 0.20 0.04 0.01 0.02 0.04	189	Metal working machinery nes	737	0.10	0.18	0.03	0.18	0.03
19) Pumps for liquids, pairs 742 0.07 0.05 0.17 0.28 0.05 192 Pumps nec, centrifugs, getc. 743 0.03 0.044 0.10 0.91 0.01 193 Mechanical handling equipment 744 0.10 0.18 0.08 0.07 0.01 194 Other non-electric, tools nes 745 0.10 0.12 0.05 0.13 0.04 195 Ball or roller beatrings 746 0.61 0.46 0.22 0.14 197 Transmissions shafts etc. 748 0.15 0.10 0.10 0.22 0.14 198 Electric is witch relay circuit 772 0.73 2.00 1.15 1.15 2.51 101 Electric is witch relay circuit 773 0.76 0.88 0.38 1.46 0.40 102 Electric machines appart. n.e.s 778 0.76 0.88 0.38 1.46 0.26 103 Datretres machines is part. n.e.s 611 <t< td=""><td>190</td><td>Heating, cooling equipment, parts</td><td>741</td><td>0.23</td><td>0.80</td><td>0.42</td><td>2.75</td><td>0.01</td></t<>	190	Heating, cooling equipment, parts	741	0.23	0.80	0.42	2.75	0.01
192 Pumps ns. centrifuge etc. 743 0.33 0.44 0.10 0.91 0.11 194 Other non-electric, tools nes 745 0.10 0.12 0.05 0.13 0.04 195 Ball or roller barrings 746 0.61 0.46 0.25 0.13 0.04 196 Taps, cocks, valves, etc. 748 0.15 0.10 0.10 0.22 0.14 197 Transmissions shafts etc. 748 0.15 0.17 0.21 0.26 0.18 198 Electric invachines, parts etc. 749 0.10 0.47 0.21 0.25 0.15 1.67 0.47 201 Electric instributor equipment nes 773 0.90 0.55 2.55 1.15 2.53 212 Electric inschines appart equipment nes 651 4.38 0.98 0.31 1.65 1.46 205 Torking, marmate fibres 652 1.61 0.28 0.31 1.65 1.46 206 Cot	191	Pumps for liquids, parts	742	0.07	0.05	0.17	0.28	0.05
193 Mechanical handling equipment 744 0.10 0.17 0.10 0.01 0.01 194 Other non-electric, tools nes 745 0.10 0.12 0.05 0.13 0.04 194 Didter barrings 746 0.61 0.42 0.02 0.02 197 Transmissions shafts etc. 747 0.06 0.12 0.03 0.41 0.12 197 Transmissions shafts etc. 749 0.10 0.47 0.21 0.36 0.18 198 Electric inswitch relay circuit 772 0.73 2.00 1.15 1.67 0.47 11 Dectric instributor circuipment ns 773 0.90 0.55 2.55 1.15 2.53 12 Electric inschines appart.n.e.s 778 0.76 0.88 0.98 0.31 1.65 140 Domestic electric, ourping res 533 3.61 0.47 0.27 1.43 0.90 120 Toxtic machines appart.n.e.s 655 0.42	192	Pumps nes centrifugs etc	743	0.33	0.05	0.17	0.20	0.05
Deckning equipment PP 0.10 0.13 0.00 0.21 0.01 19 Obter non-electric, colorses 745 0.10 0.12 0.05 0.13 0.04 19 Ball or roller bearings 746 0.61 0.46 0.22 0.14 197 Transmissions shafts etc. 747 0.06 0.12 0.03 0.41 0.12 197 Transmissions shafts etc. 748 0.10 0.47 0.21 0.36 0.18 199 Electric over machiners, parts 771 1.04 0.81 0.40 0.01 0.47 0.47 201 Electric istributor equipment nes 773 0.90 0.55 2.55 1.15 2.53 21 Electric istributor equipment nes 652 0.41 1.01 0.04 0.02 205 Textile ranchines appart. n.e.s 778 0.76 0.88 0.38 1.14 0.20 206 Cotton fibrics, woven 652 0.42 0.90 <t< td=""><td>193</td><td>Mechanical handling equipment</td><td>713</td><td>0.55</td><td>0.19</td><td>0.10</td><td>0.27</td><td>0.13</td></t<>	193	Mechanical handling equipment	713	0.55	0.19	0.10	0.27	0.13
15 Outer Induction, Most less 745 0.10 0.12 0.03 0.13 0.03- 156 Taps, cocks, valves, etc. 747 0.06 0.12 0.03 0.41 0.12 17 Transmissions shafts etc. 748 0.15 0.10 0.22 0.14 18 Non-electric machines, parts etc. 749 0.10 0.47 0.22 0.14 198 Electric is witch relay circuit 772 0.73 2.00 1.15 1.67 0.47 101 Electric is witch relay circuit 772 0.73 2.00 1.15 2.55 1.15 2.53 102 Electric is achines appart, n.c.s. 778 0.76 0.88 0.38 1.64 1.04 100 Fobries, man-made fibres 653 3.61 0.47 0.22 1.03 0.28 101 Fulle, lace, embroidery, etc. 655 0.42 0.39 0.66 0.41 103 Social yam, textile, fabric, fabric 657 0.75	104	Other non electric tools non	745	0.10	0.18	0.08	0.27	0.01
Dath of Touler coeks, valves, etc. 747 0.01 0.46 0.23 0.14 0.102 197 Transmissions shafts etc. 747 0.06 0.12 0.03 0.41 0.12 197 Transmissions shafts etc. 748 0.15 0.10 0.10 0.22 0.33 0.41 0.12 199 Electric synthe relay circuit 772 0.73 2.00 1.15 1.67 0.47 201 Electric instrintery, parts 771 1.04 0.81 0.40 0.01 0.04 0.01 202 Electronic machines, spray equipment nes 773 0.90 0.55 2.55 1.15 2.53 204 Electric machines apprequipment nes 775 0.17 0.69 0.08 1.98 0.06 205 Textile yarn 651 4.38 0.98 0.31 1.65 1.46 206 Cotton fabries, woven 652 0.64 0.04 0.02 0.66 0.56 0.41 210 <td>105</td> <td>Dall or rollor bearings</td> <td>745</td> <td>0.10</td> <td>0.12</td> <td>0.05</td> <td>0.13</td> <td>0.04</td>	105	Dall or rollor bearings	745	0.10	0.12	0.05	0.13	0.04
196 Laps, Cocks, Valves, etc. 747 0.06 0.12 0.03 0.41 0.12 197 Transmissions shafts etc. 748 0.15 0.10 0.22 0.14 198 Non-electric machines, parts etc. 749 0.10 0.47 0.21 0.36 0.18 200 Electric iswitch relay circuit 772 0.73 2.00 1.15 1.67 0.47 201 Electric iswitch relay circuip ment ne 774 0.24 0.11 0.04 0.04 0.01 203 Domestic electric, non-electric equip 775 0.17 0.68 0.88 0.81 1.46 0.20 205 Textile part n.e.s 778 0.76 0.88 0.38 1.165 1.46 206 Cotton fabrics, woven 652 1.61 0.28 0.02 0.02 0.02 0.02 0.04 0.31 0.33 0.74 217 Exitic fabric, woven 655 0.42 0.39 0.16 0.55	195	Dan or toner bearings	/40	0.01	0.46	0.25	1.20	0.02
197 transmissions shafts etc. 748 0.15 0.10 0.10 0.22 0.14 198 Non-electric machines, parts etc. 749 0.10 0.47 0.21 0.36 0.18 199 Electric workine ray oricuit 772 0.73 2.00 1.15 1.67 0.47 201 Electric distributor equipment nes 773 0.90 0.55 2.55 1.15 2.53 202 Electric machines appart. n.e.s 778 0.76 0.88 0.38 1.16 1.44 0.20 203 Textile yam 651 4.38 0.98 0.31 1.65 1.44 206 Cotton fabrics, woven 652 1.61 0.28 0.22 1.03 0.28 207 Fabrics, man-made fibres 655 0.42 0.39 0.16 0.56 0.41 210 Tutike groched fabric, woven 654 0.04 0.02 0.06 0.42 0.31 1.03 0.74 210 Tutike ace, embroidery, etc. 655 0.42 0.39 0.16 0.56 0	196	Taps, cocks, valves, etc.	747	0.06	0.12	0.03	0.41	0.12
198 Non-electric machines, parts etc. 749 0.10 0.47 0.21 0.36 0.18 200 Electric switch relay circuit 772 0.73 2.00 1.15 1.67 0.47 201 Electric distributor quipment ne 774 0.24 0.11 0.01 0.04 0.01 203 Domestic electric, non-electric equip 775 0.17 0.69 0.88 0.38 1.4 0.20 205 Textile yarn 651 4.38 0.98 0.31 1.65 1.46 206 Cotton fabrics, woven 652 1.61 0.28 0.02 1.63 0.22 1.03 0.22 205 Textile fabric woven 655 0.42 0.39 0.16 0.56 0.41 210 Tull face, embroidry, etc. 655 0.42 0.39 0.16 0.56 0.41 211 Textile fabric, woven 655 0.42 0.39 0.16 0.56 0.41 211 Texti	197	Transmissions shafts etc.	748	0.15	0.10	0.10	0.22	0.14
199 Electric power machinery, parts 771 1.04 0.81 0.40 2.01 0.55 201 Electric switch relay circuit 772 0.90 0.55 2.55 1.15 2.67 201 Electroin medical, x-ray equipment nes 773 0.90 0.55 2.55 1.15 2.53 202 Electroin medical, x-ray equipment 774 0.24 0.11 0.01 0.04 0.01 203 Textile yarn 651 4.38 0.98 0.31 1.65 1.46 204 Electric machines appart. n.e.s 778 0.76 0.88 0.33 1.65 1.46 205 Textile fabric, sman-made fibres 653 3.61 0.47 0.27 1.43 0.90 208 Other textile fabric, woven 654 0.04 0.02 0.06 0.41 0.31 1.66 1.42 210 Tulle, lace, embroidery, etc. 656 0.72 0.09 0.91 1.71 0.44 213 Floor cover	198	Non-electric machines, parts etc.	749	0.10	0.47	0.21	0.36	0.18
200 Electric switch relay circuit 772 0.73 2.00 1.15 1.67 0.47 201 Electronic medical, x-ray equipment 774 0.24 0.11 0.01 0.04 0.01 203 Dornestic electric, non-electric equip 775 0.17 0.69 0.08 1.98 0.06 204 Electric machines appart. n.e.s 778 0.76 0.88 0.38 1.14 0.20 205 Textile yam 651 4.38 0.98 0.31 1.65 1.43 0.90 206 Cotton fabrics, woven 652 1.61 0.28 0.22 1.03 0.28 207 Fabrics, man-made fibres 653 3.61 0.47 0.27 1.43 0.90 208 Chter textile fabric, woven 655 0.42 0.39 0.16 0.56 0.41 0.31 210 Tuel, isoe, emboridery, etc. 656 0.72 0.90 9.11 7.10 0.44 2.14 211	199	Electric power machinery, parts	771	1.04	0.81	0.40	2.01	0.55
201 Electric distributor equipment nes 773 0.90 0.55 2.55 1.15 2.53 202 Electrion medical, x-ray equipment 774 0.24 0.11 0.01 0.04 0.01 203 Domestic electric, non-electric equip 775 0.17 0.69 0.08 1.98 0.06 204 Electric machines appart. n.e.s 778 0.76 0.88 0.31 1.65 1.46 205 Textilic yarn 651 4.38 0.98 0.31 1.65 1.46 206 Other textile fabric, woven 654 0.04 0.02 0.06 0.14 0.31 210 Tulle, lace, embroidery, etc. 656 0.72 0.09 0.91 1.71 0.44 211 Textile fabric, woven 654 0.40 0.10 0.46 0.84 2.74 212 Textile fabric, woven 655 0.42 0.39 0.16 0.56 0.41 211 Textile fabric, woven 657 0.75 0.18 0.31 1.60 0.66 0.29 <	200	Electric switch relay circuit	772	0.73	2.00	1.15	1.67	0.47
202 Electronic medical, x-ray equipment 774 0.24 0.11 0.01 0.04 0.01 203 Domestic electric, non-electric coupip 775 0.76 0.88 0.38 1.14 0.20 204 Electric machines appart. n.e.s 778 0.76 0.88 0.38 1.14 0.20 205 Textile yam 651 4.38 0.98 0.31 1.65 1.43 207 Fabrics, man-made fibres 653 3.61 0.47 0.22 1.03 0.28 208 Other textile fabric, woven 655 0.42 0.39 0.16 0.56 0.41 210 Tulle, ace, embroidery, etc. 656 0.72 0.09 0.91 1.71 0.44 213 Floor coverings, etc. 659 0.38 0.11 0.10 0.66 0.20 214 Men, boys, clothing, x-knit 841 3.16 0.32 2.23 1.17 10.01 215 Woren, girl cloth, x-knit cloth x-knit 842 2.24 0.21 3.24 1.09 4.90 1.49	201	Electric distributor equipment nes	773	0.90	0.55	2.55	1.15	2.53
203 Domestic electric, non-electric equip 775 0.76 0.69 0.08 1.98 0.06 204 Electric machines appart. n.e.s 778 0.76 0.88 0.38 1.14 0.20 205 Textile yam 651 4.38 0.98 0.31 1.66 1.46 206 Textile yam 652 1.61 0.28 0.22 1.03 0.28 07 Fabrics, man-made fibres 653 0.64 0.02 0.06 0.14 0.31 210 Knitting crochet fabric, woven 654 0.04 0.02 0.06 0.14 0.31 211 Special yam, textile, fabric 657 0.75 0.18 0.37 1.03 0.74 212 Textile articles nes 658 0.34 0.10 0.46 0.84 2.74 213 Floor coverings, etc. 659 0.38 0.11 0.10 0.66 0.20 214 Men, boys clothing, harit 843 2.27 1.0	202	Electronic medical, x-ray equipment	774	0.24	0.11	0.01	0.04	0.01
204 Electric machines appart. n.e.s 778 0.76 0.88 0.33 1.14 0.20 205 Textile yarn 651 4.38 0.98 0.31 1.65 1.46 206 Cotton fabrics, woven 652 1.61 0.28 0.22 1.03 0.28 207 Fabrics, man-made fibres 653 3.61 0.47 0.27 1.43 0.90 208 Other textile fabric, woven 655 0.42 0.39 0.16 0.56 0.41 210 Tulle, lace, embroidery, etc. 656 0.72 0.09 0.91 1.71 0.44 213 Floor coverings, etc. 659 0.38 0.11 0.10 0.66 0.20 214 Men, boys, clothing, x-knit 841 3.16 0.32 2.23 1.17 10.01 216 Men, boys, clothing knit 843 2.27 1.01 3.69 3.49 10.73 217 Women, girls clothing knit 844 1.72	203	Domestic electric, non-electric equip	775	0.17	0.69	0.08	1.98	0.06
205 Textile yam 651 4.38 0.98 0.31 1.65 1.46 206 Cotton fabries, woven 652 1.61 0.28 0.22 1.03 0.28 207 Fabries, man-made fibres 653 3.61 0.47 0.27 1.43 0.90 208 Other textile fabrie, woven 654 0.04 0.02 0.06 0.14 0.31 210 Tulle, lace, embroidery, etc. 656 0.72 0.09 0.91 1.71 0.44 213 Floor coverings, etc. 659 0.38 0.11 0.10 0.66 0.20 214 Men, boys, clotting, x-knit 841 3.16 0.32 2.23 1.17 1.001 215 Wornen, girl cloth, x-knit 842 2.84 0.21 3.24 1.09 4.90 216 Men, boys clotting knit 843 2.27 1.01 3.69 3.49 10.73 217 Women, girls clothing knit 843 1.91 0.29 1.39 1.55 4.44 216 Other textile apparel, nes 84	204	Electric machines appart, n.e.s	778	0.76	0.88	0.38	1 14	0.20
206Cotton fabries, woven6521.610.280.221.030.28207Fabries, mar-made fibres6533.610.470.271.430.90208Other textile fabrie, woven6540.040.020.060.140.31209Knitting crochet fabrie nes6550.420.390.160.560.41210Tulle, lace, embroidery, etc.6560.720.990.911.710.44211Special yarn, textile, fabric6570.750.180.371.030.74212Textile articles nes6580.840.100.460.842.74213Floor coverings, etc.6590.380.110.100.660.20214Men, boys, clothing, x-knit8413.160.322.231.1710.01215Women, girl cloth, xhnit cloth x-knit8422.840.213.241.094.90216Men, boys clothing knit8441.720.652.291.177.80217Women, girls clothing knit8441.720.652.291.177.81218Other textile aparel, nes8451.910.291.391.554.44219Clothing, accessories, fabric8212.441.440.731.253.15221Trunk, suit-cases, bag, etc.8212.650.170.171.381.622224Baby carriage, to	205	Textile varn	651	4 38	0.98	0.31	1.65	1 46
200ColorC	206	Cotton fabrics woven	652	1.50	0.28	0.22	1.03	0.28
201 Date of the statistic form 0.01 0.04 0.02 0.02 0.14 0.30 208 Other textile fabric nes 655 0.42 0.39 0.16 0.56 0.41 210 Tulle, lace, embroidery, etc. 656 0.72 0.09 0.91 1.71 0.44 211 Special yarn, textile, fabric 657 0.75 0.18 0.37 1.03 0.74 212 Textile articles nes 658 0.84 0.10 0.46 0.84 2.74 213 Floor coverings, etc. 659 0.38 0.11 0.10 0.66 0.20 214 Men, boys, clothing knit 841 3.16 0.32 2.23 1.17 10.01 215 Women, girl cloth, xknit cloth x-knit 842 2.24 0.29 3.49 10.73 216 Other textile apparel, nes 845 1.91 0.29 1.39 1.55 4.44 216 Clothing, non-textile, headgear 848 0.92	200	Fabrics man-made fibres	653	3.61	0.20	0.22	1.05	0.20
206 Current texture tablet, worken 0.04 0.02 0.00 0.14 0.31 208 Knitting crochet fabrie nes 655 0.42 0.39 0.16 0.56 0.41 210 Tulle, lace, embroidery, etc. 656 0.72 0.09 0.91 1.71 0.44 213 Fectile articles nes 658 0.84 0.10 0.46 0.84 2.74 213 Floor coverings, etc. 659 0.38 0.11 0.10 0.66 0.20 214 Men, boys, clothing, x-knit 841 3.16 0.32 2.23 1.17 1.00 216 Mem, boys clothing knit 842 2.84 0.21 3.24 1.09 4.90 218 Other textile apparel, nes 845 1.91 0.29 1.39 1.55 4.44 220 Clothing, non-textile, headgear 848 0.90 3.99 0.48 3.15 1.85 221 Furmiture, cushions, etc. 821 2.44 1.	207	Other textile febric woven	654	5.01	0.47	0.27	0.14	0.90
219 Kultung trothet fabric hes 655 0.42 0.39 0.16 0.36 0.41 210 Tulle, lace, embroidery, etc. 656 0.72 0.09 0.91 1.71 0.44 211 Special yarn, textile, fabric 657 0.75 0.18 0.37 1.03 0.74 212 Textile articles nes 658 0.84 0.10 0.46 0.84 2.74 213 Floor coverings, etc. 659 0.38 0.11 0.10 0.66 0.20 214 Men, boys, clothing, x-knit 841 3.16 0.32 2.23 1.17 10.01 216 Men, boys clothing knit 843 2.27 1.01 3.69 3.49 10.73 217 Women, girl cloth, knit cloth x-knit 844 1.72 0.65 2.29 1.17 7.80 216 Othing, non-textile, headgear 844 0.90 3.99 0.48 3.15 1.85 221 Furniture, cushions, etc. 821 2.44 1.44 0.73 1.25 3.15 223 <td< td=""><td>200</td><td>Valiting another fabric and</td><td>654</td><td>0.04</td><td>0.02</td><td>0.00</td><td>0.14</td><td>0.31</td></td<>	200	Valiting another fabric and	654	0.04	0.02	0.00	0.14	0.31
210 Fulle, Jace, embroidery, etc. 656 0.72 0.09 0.91 1./1 0.44 211 Special yam, textile, fabric 657 0.75 0.18 0.37 1.03 0.74 212 Textile articles nes 658 0.84 0.10 0.46 0.84 2.74 213 Floor coverings, etc. 659 0.38 0.11 0.10 0.66 0.20 214 Men, boys, clothing, x-knit 841 3.16 0.32 2.23 1.17 10.01 215 Women, girl cloth, xknit cloth x-knit 842 2.84 0.21 3.24 1.09 4.90 216 Men, boys clothing, xhit 844 1.72 0.65 2.29 1.17 7.80 218 Other textile apparel, nes 845 1.91 0.29 1.39 1.55 4.44 220 Clothing, non-textile, headgear 846 0.90 3.99 0.48 3.15 1.85 221 Trunk, suit-cases, bag, etc. 831 0.57 0.05 1.30 1.11 4.94 223	209	T 11 1	055	0.42	0.39	0.16	0.56	0.41
211 Special yarn, textile, tabric 657 0.75 0.18 0.37 1.03 0.14 212 Textile articles nes 658 0.84 0.10 0.46 0.84 2.74 213 Floor coverings, etc. 659 0.38 0.11 0.10 0.66 0.20 214 Men, boys, clothing, x-knit 841 3.16 0.32 2.23 1.17 10.01 216 Men, boys, clothing knit 844 2.77 1.01 3.69 3.49 10.73 218 Other textile apparel, nes 845 1.91 0.29 1.39 1.55 4.44 219 Clothing, non-textile, headgear 846 0.92 0.48 0.66 0.57 2.48 217 Furniture, cushions, etc. 821 2.44 1.44 0.73 1.25 3.15 222 Trunk, suit-cases, bag, etc. 831 0.57 0.05 1.30 1.11 4.94 225 Optical instruments, nes 871 0.03 0.16 0.18 0.03 0.01 226 Metias in	210	Tulle, lace, embroidery, etc.	656	0.72	0.09	0.91	1./1	0.44
212 Textile articles nes 658 0.84 0.10 0.46 0.84 2.74 213 Floor coverings, etc. 659 0.38 0.11 0.10 0.66 0.20 214 Men, boys, clothing, x-knit 841 3.16 0.32 2.23 1.17 10.01 215 Women, girl cloth, xknit cloth x-knit 842 2.84 0.21 3.24 1.09 4.90 216 Men, boys clothing knit 844 1.72 0.65 2.29 1.17 7.80 218 Other textile apparel, nes 845 1.91 0.29 1.39 1.55 4.44 216 Clothing, accessories, fabric 846 0.90 3.99 0.48 3.15 1.85 221 Furnik, suit-cases, bag, etc. 831 0.57 0.05 1.30 1.11 4.94 223 Footwear 851 2.65 0.17 0.17 1.38 16.22 224 Baby carriage, toys, games 894 0.55 0.33 0.67 1.11 0.61 225 Optical instrument	211	Special yarn, textile, fabric	657	0.75	0.18	0.37	1.03	0.74
213 Floor coverings, etc. 659 0.38 0.11 0.10 0.66 0.20 214 Men, boys, clothing, x-knit 841 3.16 0.32 2.23 1.17 10.01 215 Women, girl cloth, x-knit 842 2.84 0.21 3.24 1.09 4.90 216 Men, boys, clothing knit 844 1.72 0.65 2.29 1.17 7.80 218 Other textile apparel, nes 845 1.91 0.29 1.39 1.55 4.44 219 Clothing, non-textile, headgear 846 0.92 0.48 0.66 0.57 2.48 217 Furniture, cushions, etc. 821 2.44 1.44 0.73 1.25 3.15 223 Footwear 851 2.65 0.17 0.17 1.38 16.22 224 Baby carriage, toys, games 894 0.55 0.35 0.67 1.11 0.61 225 Footwear 873 0.42 0.38 0.64 0.48 0.09 226 Meters, counters, nes 873 <td>212</td> <td>Textile articles nes</td> <td>658</td> <td>0.84</td> <td>0.10</td> <td>0.46</td> <td>0.84</td> <td>2.74</td>	212	Textile articles nes	658	0.84	0.10	0.46	0.84	2.74
214 Men, boys, clothing, x-knit 841 3.16 0.32 2.23 1.17 10.01 215 Women, girl cloth, xknit cloth x-knit 842 2.84 0.21 3.24 1.09 4.90 216 Men, boys clothing knit 843 2.27 1.01 3.69 3.49 10.73 217 Women, girls clothing knit 844 1.72 0.65 2.29 1.17 7.80 218 Other textile apparel, nes 845 1.91 0.29 1.39 1.55 4.44 210 Clothing, non-textile, headgear 846 0.90 3.99 0.48 3.15 1.85 221 Furnitare, cushions, etc. 821 2.44 1.44 0.73 1.25 3.15 223 Footwear 851 2.65 0.17 0.17 1.38 16.622 224 Baby carriage, toys, games 894 0.55 0.53 0.67 1.11 0.61 225 Optical instruments nes 872 0.04 0.37 0.10 0.43 0.18 226 Meters, co	213	Floor coverings, etc.	659	0.38	0.11	0.10	0.66	0.20
215 Women, girl cloth, xknit cloth x-knit 842 2.84 0.21 3.24 1.09 4.90 216 Men, boys clothing knit 843 2.27 1.01 3.69 3.49 10.73 218 Other textile apparel, nes 845 1.91 0.29 1.39 1.55 4.44 219 Clothing accessories, fabric 846 0.92 0.48 0.66 0.57 2.48 217 Furniture, cushions, etc. 821 2.44 1.44 0.73 1.25 3.15 222 Trunk, suit-cases, bag, etc. 831 0.57 0.05 1.30 1.11 4.94 224 Baby carriage, toys, games 894 0.55 0.35 0.67 1.11 0.61 225 Optical instruments nes 871 0.03 0.16 0.18 0.03 0.01 226 Medical instruments nes 873 0.42 0.38 0.64 0.48 0.09 227 Meters, counters, nes 873 0.42 0.38 0.61 0.10 0.34 228 Photo	214	Men, boys, clothing, x-knit	841	3.16	0.32	2.23	1.17	10.01
216 Men, boys clothing knit 843 2.27 1.01 3.69 3.49 10.73 217 Women, girls clothing knit 844 1.72 0.65 2.29 1.17 7.80 218 Other textile apparel, nes 845 1.91 0.29 1.39 1.55 4.44 219 Clothing, non-textile, headgear 846 0.90 3.99 0.48 3.15 1.85 211 Funiture, cushions, etc. 821 2.44 1.44 0.73 1.25 3.15 222 Trunk, suit-cases, bag, etc. 831 0.57 0.05 1.30 1.11 4.94 223 Footwear 851 2.65 0.17 0.17 1.38 16.22 224 Baby carriage, toys, games 894 0.55 0.35 0.67 1.11 0.61 225 Optical instruments, nes 871 0.03 0.16 0.18 0.03 0.01 226 Meters, counters, nes 873 0.42 0.38 0.64 0.48 0.09 228 Measure, control instrument	215	Women, girl cloth, xknit cloth x-knit	842	2.84	0.21	3.24	1.09	4.90
217 Women, girls clothing knit 844 1.72 0.65 2.29 1.17 7.80 218 Other textile apparel, nes 845 1.91 0.29 1.39 1.55 4.44 210 Clothing accessories, fabric 846 0.90 3.99 0.48 3.15 1.85 220 Clothing, non-textile, headgear 848 0.90 3.99 0.48 3.15 1.85 221 Furniture, cushions, etc. 821 2.44 1.44 0.73 1.25 3.15 222 Trunk, suit-cases, bag, etc. 831 0.57 0.05 1.30 1.11 4.94 224 Baby carriage, toys, games 894 0.55 0.35 0.67 1.11 0.61 225 Pottecal instruments nes 873 0.42 0.38 0.64 0.48 0.09 226 Meters, control instrument 874 0.03 0.16 0.05 0.28 0.43 217 Prefabricated buildings 811 0.03 0.16 0.05 0.28 0.43 226 Pho	216	Men, boys clothing knit	843	2.27	1.01	3.69	3.49	10.73
218 Other textile apparel, nes 845 1.91 0.29 1.39 1.55 4.44 219 Clothing, non-textile, headgear 846 0.92 0.48 0.66 0.57 2.48 220 Clothing, non-textile, headgear 848 0.90 3.99 0.48 3.15 1.85 212 Furniture, cushions, etc. 821 2.44 1.44 0.73 1.25 3.15 222 Trunk, suit-cases, bag, etc. 831 0.57 0.05 1.30 1.11 4.94 223 Footwear 851 2.65 0.35 0.67 1.11 0.61 224 Baby carriage, toys, games 871 0.03 0.16 0.18 0.03 0.01 226 Medical instruments nes 872 0.04 0.37 0.10 0.43 0.18 227 Meters, counters, nes 873 0.42 0.38 0.64 0.48 0.09 228 Measure, control instrument 874 0.03 0.88 0.14 0.18 0.07 229 Prefabricated buildi	217	Women, girls clothing knit	844	1.72	0.65	2.29	1.17	7.80
219 Clothing accessories, fabric 846 0.92 0.48 0.66 0.57 2.48 220 Clothing, non-textile, headgear 848 0.90 3.99 0.48 3.15 1.85 221 Furniture, cushions, etc. 821 2.44 1.44 0.73 1.25 3.15 221 Furniture, cushions, etc. 821 2.44 1.44 0.73 1.25 3.15 223 Footwear 851 2.65 0.17 0.17 1.38 16.22 224 Baby carriage, toys, games 894 0.55 0.35 0.67 1.11 0.61 225 Optical instruments, nes 871 0.03 0.16 0.18 0.03 0.11 226 Medical instruments nes 872 0.04 0.37 0.10 0.43 0.18 229 Prefabricated buildings 811 0.03 0.16 0.05 0.28 0.43 230 Plumbing, sanitary equipment etc. 812 0.36 0.11 0.61 1.10 0.34 231 Photo, cinema topog	218	Other textile apparel, nes	845	1.91	0.29	1.39	1.55	4.44
220 Clothing, non-textile, headgear 848 0.90 3.99 0.48 3.15 1.85 221 Furniture, cushions, etc. 821 2.44 1.44 0.73 1.25 3.15 223 Footwear 851 2.65 0.17 0.17 1.11 4.94 224 Baby carriage, toys, games 894 0.55 0.35 0.67 1.11 0.61 224 Baby carriage, toys, games 894 0.55 0.35 0.67 1.11 0.61 225 Optical instruments, nes 871 0.03 0.16 0.18 0.03 0.01 226 Medical instruments nes 872 0.04 0.37 0.10 0.43 0.18 227 Meters, control instrument 874 0.03 0.88 0.14 0.18 0.07 228 Measure, control instrument 874 0.03 0.16 0.05 0.28 0.43 230 Plenébricated buildings 811 0.03 0.16 0.05 0.28 0.43 231 Lighting fixtures etc. nes<	219	Clothing accessories, fabric	846	0.92	0.48	0.66	0.57	2.48
211 Furniture, cushions, etc. 821 2.44 1.44 0.73 1.12 3.15 222 Trunk, suit-cases, bag, etc. 831 0.57 0.05 1.30 1.11 4.94 223 Footwear 851 2.65 0.17 0.17 1.38 16.22 224 Baby carriage, toys, games 894 0.55 0.35 0.67 1.11 0.61 225 Optical instruments, nes 871 0.03 0.16 0.18 0.03 0.01 226 Meters, counters, nes 872 0.04 0.37 0.10 0.43 0.18 227 Meters, counters, nes 873 0.42 0.38 0.64 0.48 0.09 28 Measure, control instrument 874 0.03 0.88 0.14 0.18 0.07 217 Prefabricated buildings 811 0.03 0.16 0.05 0.28 0.43 228 Pasure, control instrument 874 0.03 0.16 0.05 0.28 0.43 230 Piefabricateto buildings <	220	Clothing non-textile headgear	848	0.90	3 99	0.48	3 15	1.85
222 Trainely, cusinons, etc. 621 2.47 1.47 0.15 1.25 51.12 222 Trainely, cusinons, etc. 831 0.57 0.05 1.30 1.11 4.94 223 Footwear 851 2.65 0.17 0.17 1.38 16.22 224 Baby carriage, toys, games 894 0.55 0.35 0.67 1.11 0.61 225 Optical instruments, nes 871 0.03 0.16 0.18 0.03 0.01 226 Medical instruments nes 872 0.04 0.37 0.10 0.43 0.18 227 Meters, counters, nes 873 0.42 0.38 0.64 0.48 0.09 228 Measure, control instrument 874 0.03 0.16 0.05 0.28 0.43 230 Plumbing, sanitary equipment etc. 812 0.36 0.11 0.61 1.10 0.34 233 Photograph apparel etc. nes 881 0.41 2.66 4.43 1.60 0.32 234 Cinema film exposed develop	221	Furniture cushions etc	821	2 44	1 44	0.73	1 25	3 15
222 From an example 851 0.57 0.05 1.50 1.11 4.74 223 Footwear 851 2.65 0.17 0.17 1.38 16.22 224 Baby carriage, toys, games 894 0.55 0.35 0.67 1.11 0.61 225 Optical instruments, nes 871 0.03 0.16 0.18 0.03 0.01 226 Meters, counters, nes 872 0.04 0.37 0.10 0.43 0.18 227 Meters, control instrument 874 0.03 0.88 0.14 0.18 0.07 228 Measure, control instrument 874 0.03 0.88 0.14 0.18 0.07 229 Prefabricated buildings 811 0.03 0.16 0.05 0.28 0.43 231 Lighting fixtures etc. nes 813 0.24 0.20 0.27 0.39 0.18 232 Photograph apparel etc. nes 813 0.41 2.66 4.43 1.60 0.32 233 Photo, cinema topography supply	221	Trunk suit cases bag etc	821	0.57	0.05	1 30	1.25	J.15 / 0/
224 Baby carriage, toys, games 894 0.55 0.35 0.67 1.11 0.61 225 Optical instruments, nes 871 0.03 0.16 0.18 0.03 0.01 226 Medical instruments, nes 871 0.03 0.16 0.18 0.03 0.01 226 Medical instruments nes 872 0.04 0.37 0.10 0.43 0.18 227 Meters, counters, nes 873 0.42 0.38 0.64 0.48 0.09 228 Measure, control instrument 874 0.03 0.88 0.14 0.18 0.07 229 Prefabricated buildings 811 0.03 0.16 0.05 0.28 0.43 230 Plumbing, sanitary equipment etc. 812 0.36 0.11 0.61 1.10 0.34 233 Photo, cinema topography supply 882 0.02 0.27 0.00 0.05 0.31 234 Cinema film exposed development 883 0.01 0.02 0.01 0.38 0.00 235 Opt	222	Footwoor	851 851	0.57	0.05	0.17	1.11	16 22
224 baby carriage, toys, games 894 0.35 0.35 0.67 1.11 0.61 225 Optical instruments, nes 871 0.03 0.16 0.18 0.03 0.01 226 Medical instruments nes 872 0.04 0.37 0.10 0.43 0.18 227 Meters, counters, nes 873 0.42 0.38 0.64 0.48 0.09 228 Measure, control instrument 874 0.03 0.88 0.14 0.18 0.07 229 Prefabricated buildings 811 0.03 0.16 0.05 0.28 0.43 230 Phumbing, sanitary equipment etc. 812 0.36 0.11 0.61 1.10 0.34 231 Lighting fixtures etc. nes 813 0.24 0.20 0.27 0.39 0.18 232 Photograph apparel etc. nes 881 0.41 2.66 4.43 1.60 0.32 233 Photo, cinema topography supply 882 0.02 0.27 0.00 0.05 0.31 236 Watch	223	Political from the second	804	2.05	0.17	0.17	1.30	0.22
225 Optical instruments, nes 871 0.03 0.16 0.18 0.03 0.01 226 Medical instruments nes 872 0.04 0.37 0.10 0.43 0.18 227 Meters, counters, nes 873 0.42 0.38 0.64 0.48 0.09 228 Measure, control instrument 874 0.03 0.88 0.14 0.18 0.07 229 Prefabricated buildings 811 0.03 0.16 0.05 0.28 0.43 230 Plumbing, sanitary equipment etc. 812 0.36 0.11 0.61 1.10 0.34 231 Lighting fixtures etc. nes 813 0.24 0.20 0.27 0.39 0.18 232 Photograph apparel etc. nes 881 0.41 2.66 4.43 1.60 0.32 233 Photo, cinema topography supply 882 0.02 0.27 0.00 0.05 0.31 234 Cinema film exposed development 883 0.01 0.02 0.01 0.38 0.00 235	224	Baby carriage, toys, games	074	0.55	0.33	0.07	1.11	0.01
226 Medical instruments nes 872 0.04 0.37 0.10 0.43 0.18 227 Meters, counters, nes 873 0.42 0.38 0.64 0.48 0.09 228 Measure, control instrument 874 0.03 0.88 0.14 0.18 0.07 229 Prefabricated buildings 811 0.03 0.16 0.05 0.28 0.43 230 Plumbing, sanitary equipment etc. 812 0.36 0.11 0.61 1.10 0.34 231 Lighting fixtures etc. nes 813 0.24 0.20 0.27 0.39 0.18 232 Photograph apparel etc. nes 881 0.41 2.66 4.43 1.60 0.32 233 Photo, cinema topography supply 882 0.02 0.27 0.00 0.05 0.31 234 Cinema film exposed development 883 0.01 0.02 0.01 0.38 0.00 235 Optical goods nes 884 0.47 0.31 1.16 1.89 0.12 236 Article	225	Optical instruments, nes	8/1	0.03	0.16	0.18	0.03	0.01
227Meters, counters, nes8730.420.380.640.480.09228Measure, control instrument8740.030.880.140.180.07229Prefabricated buildings8110.030.160.050.280.43230Plumbing, sanitary equipment etc.8120.360.110.611.100.34231Lighting fixtures etc. nes8130.240.200.270.390.18232Photograph apparel etc. nes8810.412.664.431.600.32233Photo, cinema topography supply8820.020.270.000.050.31234Cinema film exposed development8830.010.020.010.380.00235Optical goods nes8840.470.311.161.890.12236Watches and clocks8850.020.461.431.490.17237Printed matter8920.130.260.120.210.06238Articles, nes of plastics8930.640.800.411.200.73239Office, stationery supplies8950.780.870.020.750.59240Works of art, antique etc.8980.871.210.530.560.08241Gold, silverware, jewellery nes8970.291.240.353.610.73212Musical instruments etc.898	226	Medical instruments nes	872	0.04	0.37	0.10	0.43	0.18
228Measure, control instrument8740.030.880.140.180.07229Prefabricated buildings8110.030.160.050.280.43230Plumbing, sanitary equipment etc.8120.360.110.611.100.34231Lighting fixtures etc. nes8130.240.200.270.390.18232Photograph apparel etc. nes8810.412.664.431.600.32233Photo, cinema topography supply8820.020.270.000.050.31234Cinema film exposed development8830.010.020.010.380.00235Optical goods nes8840.470.311.161.890.12236Watches and clocks8850.020.461.431.490.17237Printed matter8920.130.260.120.210.06238Articles, nes of plastics8930.640.800.411.200.73239Office, stationery supplies8950.780.870.020.750.59240Works of art, antique etc.8960.050.010.020.040.00241Gold, silverware, jewellery nes8970.291.240.353.610.73212Musical instruments etc.8980.871.210.530.560.08243Misc. manufactured goods nes	227	Meters, counters, nes	873	0.42	0.38	0.64	0.48	0.09
229Prefabricated buildings8110.030.160.050.280.43230Plumbing, sanitary equipment etc.8120.360.110.611.100.34231Lighting fixtures etc. nes8130.240.200.270.390.18232Photograph apparel etc. nes8810.412.664.431.600.32233Photo, cinema topography supply8820.020.270.000.050.31234Cinema film exposed development8830.010.020.010.380.00235Optical goods nes8840.470.311.161.890.12236Watches and clocks8850.020.461.431.490.17237Printed matter8920.130.260.120.210.06238Articles, nes of plastics8930.640.800.411.200.73239Office, stationery supplies8950.780.870.020.040.00241Gold, silverware, jewellery nes8970.291.240.353.610.73212Musica instruments etc.8980.871.210.530.560.08244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ore	228	Measure, control instrument	874	0.03	0.88	0.14	0.18	0.07
230Plumbing, sanitary equipment etc.8120.360.110.611.100.34231Lighting fixtures etc. nes8130.240.200.270.390.18232Photograph apparel etc. nes8810.412.664.431.600.32233Photo, cinema topography supply8820.020.270.000.050.31234Cinema film exposed development8830.010.020.010.380.00235Optical goods nes8840.470.311.161.890.12236Watches and clocks8850.020.461.431.490.17237Printed matter8920.130.260.120.210.06238Articles, nes of plastics8930.640.800.411.200.73239Office, stationery supplies8950.780.870.020.040.00240Works of art, antique etc.8960.050.010.020.040.00241Gold, silverware, jewellery nes8970.291.240.353.610.73212Musical instruments etc.8980.871.210.530.560.08243Misc. manufactured goods nes8990.840.140.860.591.88244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-cu	229	Prefabricated buildings	. 811	0.03	0.16	0.05	0.28	0.43
231Lighting fixtures etc. nes8130.240.200.270.390.18232Photograph apparel etc. nes8810.412.664.431.600.32233Photo, cinema topography supply8820.020.270.000.050.31234Cinema film exposed development8830.010.020.010.380.00235Optical goods nes8840.470.311.161.890.12236Watches and clocks8850.020.461.431.490.17237Printed matter8920.130.260.120.210.06238Articles, nes of plastics8930.640.800.411.200.73239Office, stationery supplies8950.780.870.020.040.00241Gold, silverware, jewellery nes8970.291.240.353.610.73212Musical instruments etc.8980.871.210.530.560.08243Misc. manufactured goods nes8990.840.140.860.591.88244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ores9711.200.460.921.420.06247Arms and ammunition <t< td=""><td>230</td><td>Plumbing, sanitary equipment etc.</td><td>812</td><td>0.36</td><td>0.11</td><td>0.61</td><td>1.10</td><td>0.34</td></t<>	230	Plumbing, sanitary equipment etc.	812	0.36	0.11	0.61	1.10	0.34
232Photograph apparel etc. nes8810.412.664.431.600.32233Photo, cinema topography supply8820.020.270.000.050.31234Cinema film exposed development8830.010.020.010.380.00235Optical goods nes8840.470.311.161.890.12236Watches and clocks8850.020.461.431.490.17237Printed matter8920.130.260.120.210.06238Articles, nes of plastics8930.640.800.411.200.73239Office, stationery supplies8950.780.870.020.040.00241Gold, silverware, jewellery nes8970.291.240.353.610.73212Musical instruments etc.8980.871.210.530.560.08243Misc. manufactured goods nes8990.840.140.860.591.88244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ores9711.200.460.921.420.06247Arms and ammunition8910.060.000.230.170.00	231	Lighting fixtures etc. nes	813	0.24	0.20	0.27	0.39	0.18
233Photo, cinema topography supply8820.020.270.000.050.31234Cinema film exposed development8830.010.020.010.380.00235Optical goods nes8840.470.311.161.890.12236Watches and clocks8850.020.461.431.490.17237Printed matter8920.130.260.120.210.06238Articles, nes of plastics8930.640.800.411.200.73239Office, stationery supplies8950.780.870.020.750.59240Works of art, antique etc.8960.050.010.020.040.00241Gold, silverware, jewellery nes8970.291.240.353.610.73212Musical instruments etc.8980.871.210.530.560.08243Misc. manufactured goods nes8990.840.140.860.591.88244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ores9711.200.460.921.420.06247Arms and ammunition8910.060.000.230.170.00	232	Photograph apparel etc. nes	881	0.41	2.66	4.43	1.60	0.32
234Cinema film exposed development8830.010.020.010.380.00235Optical goods nes8840.470.311.161.890.12236Watches and clocks8850.020.461.431.490.17237Printed matter8920.130.260.120.210.06238Articles, nes of plastics8930.640.800.411.200.73239Office, stationery supplies8950.780.870.020.040.00240Works of art, antique etc.8960.050.010.020.040.00241Gold, silverware, jewellery nes8970.291.240.353.610.73212Musical instruments etc.8980.871.210.530.560.08243Misc. manufactured goods nes8990.840.140.860.591.88244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ores9711.200.460.921.420.06247Arms and ammunition8910.060.000.230.170.00	233	Photo, cinema topography supply	882	0.02	0.27	0.00	0.05	0.31
235Optical goods nes8840.470.311.161.890.12236Watches and clocks8850.020.461.431.490.17237Printed matter8920.130.260.120.210.06238Articles, nes of plastics8930.640.800.411.200.73239Office, stationery supplies8950.780.870.020.750.59240Works of art, antique etc.8960.050.010.020.040.00241Gold, silverware, jewellery nes8970.291.240.353.610.73212Musical instruments etc.8980.871.210.530.560.08243Misc. manufactured goods nes8990.840.140.860.591.88244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ores9711.200.460.921.420.06247Arms and ammunition8910.060.000.230.170.00	234	Cinema film exposed development	883	0.01	0.02	0.01	0.38	0.00
236Watches and clocks8850.020.461.431.490.17237Printed matter8920.130.260.120.210.06238Articles, nes of plastics8930.640.800.411.200.73239Office, stationery supplies8950.780.870.020.750.59240Works of art, antique etc.8960.050.010.020.040.00241Gold, silverware, jewellery nes8970.291.240.353.610.73212Musical instruments etc.8980.871.210.530.560.08243Misc. manufactured goods nes8990.840.140.860.591.88244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ores9711.200.460.921.420.06247Arms and ammunition8910.060.000.230.170.00	235	Ontical goods nes	884	0.47	0.31	1.16	1 89	0.12
236Watches and clocks3633633633631.151.151.170.17237Printed matter8920.130.260.120.210.06238Articles, nes of plastics8930.640.800.411.200.73239Office, stationery supplies8950.780.870.020.750.59240Works of art, antique etc.8960.050.010.020.040.00241Gold, silverware, jewellery nes8970.291.240.353.610.73212Musical instruments etc.8980.871.210.530.560.08243Misc. manufactured goods nes8990.840.140.860.591.88244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ores9711.200.460.921.420.06247Arms and ammunition8910.060.000.230.170.00	236	Watches and clocks	885	0.02	0.46	1 43	1 49	0.12
237Finited matter8920.130.200.120.210.00238Articles, nes of plastics8930.640.800.411.200.73239Office, stationery supplies8950.780.870.020.750.59240Works of art, antique etc.8960.050.010.020.040.00241Gold, silverware, jewellery nes8970.291.240.353.610.73212Musical instruments etc.8980.871.210.530.560.08243Misc. manufactured goods nes8990.840.140.860.591.88244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ores9711.200.460.921.420.06247Arms and ammunition8910.060.000.230.170.00	230	Drinted matter	802	0.13	0.40	0.12	0.21	0.06
238Articles, nes of plastics8950.640.600.411.200.75239Office, stationery supplies8950.780.870.020.750.59240Works of art, antique etc.8960.050.010.020.040.00241Gold, silverware, jewellery nes8970.291.240.353.610.73212Musical instruments etc.8980.871.210.530.560.08243Misc. manufactured goods nes8990.840.140.860.591.88244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ores9711.200.460.921.420.06247Arms and ammunition8910.060.000.230.170.00	221	Anticles was of alcotion	0 <i>92</i> 902	0.15	0.20	0.12	1.20	0.00
237Office, stationery supplies8950.760.870.020.750.39240Works of art, antique etc.8960.050.010.020.040.00241Gold, silverware, jewellery nes8970.291.240.353.610.73212Musical instruments etc.8980.871.210.530.560.08243Misc. manufactured goods nes8990.840.140.860.591.88244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ores9711.200.460.921.420.06247Arms and ammunition8910.060.000.230.170.00	430 220	Articles, nes of plastics	073	0.04	0.00	0.41	1.20	0.73
240works of art, antique etc.8960.050.010.020.040.00241Gold, silverware, jewellery nes8970.291.240.353.610.73212Musical instruments etc.8980.871.210.530.560.08243Misc. manufactured goods nes8990.840.140.860.591.88244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ores9711.200.460.921.420.06247Arms and ammunition8910.060.000.230.170.00	239	Office, stationery supplies	893	U./ð	0.01	0.02	0.75	0.39
241Gold, silverware, jewellery nes8970.291.240.353.610.73212Musical instruments etc.8980.871.210.530.560.08243Misc. manufactured goods nes8990.840.140.860.591.88244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ores9711.200.460.921.420.06247Arms and ammunition8910.060.000.230.170.00	240	works of art, antique etc.	896	0.05	0.01	0.02	0.04	0.00
212Musical instruments etc.8980.871.210.530.560.08243Misc. manufactured goods nes8990.840.140.860.591.88244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ores9711.200.460.921.420.06247Arms and ammunition8910.060.000.230.170.00	241	Gold, silverware, jewellery nes	897	0.29	1.24	0.35	3.61	0.73
243Misc. manufactured goods nes8990.840.140.860.591.88244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ores9711.200.460.921.420.06247Arms and ammunition8910.060.000.230.170.00	212	Musical instruments etc.	898	0.87	1.21	0.53	0.56	0.08
244Special transaction not classified9310.020.440.000.920.25245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ores9711.200.460.921.420.06247Arms and ammunition8910.060.000.230.170.00	243	Misc. manufactured goods nes	899	0.84	0.14	0.86	0.59	1.88
245Coin non-gold, non-current9610.000.000.080.610.00246Gold, non-monetary excl ores9711.200.460.921.420.06247Arms and ammunition8910.060.000.230.170.00	244	Special transaction not classified	931	0.02	0.44	0.00	0.92	0.25
246Gold, non-monetary exclores9711.200.460.921.420.06247Arms and ammunition8910.060.000.230.170.00	245	Coin non-gold, non-current	961	0.00	0.00	0.08	0.61	0.00
247 Arms and ammunition 891 0.06 0.00 0.23 0.17 0.00	246	Gold, non-monetary excl ores	971	1.20	0.46	0.92	1.42	0.06
	247	Arms and ammunition	891	0.06	0.00	0.23	0.17	0.00

Source: Author's calculations based on UN Comtrade database.

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Table A4.2: ASEAN-5's Trade Performance in 2005 Based on HS 2002

Ist Product Group Experts value Spect of the stat Concerts as a value Dot of the stat No. of value No. Table RCA1 2002 Product Group Experts value table stat t		Indonesia								
10 10000 (13) (14) (13) (14) (13) (14) (11) (12) (13) (13) (13) (13) (13) (13) (13) (13) (13) (13) (13) (13) (13) (13)	HS 2002	Product Group	Exports value US\$ mil.	Exports as a share of total exports	Exporte as a share of world exports	Growth of world exports in value	No. of exported products (>0.1 US\$ mil)	No. of exports markets (>0.1 US\$ mil)	Net Trade	RCAI
10 Literaphilish 2017 0.04 0.23 0.04 2.03 0.04 2.04 0.04 2.04 0.04 2.05 0.04 2.05 0.04 2.05 0.04 0.05 0.04 0.05 0.04 0.05 0.04 0.05 0.06 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.01 0.02 0.01		All industries	85650.05	(%)	(%)	(% p.a)	2006	202	27050 07	
Variant edible material Other and edible material O O O O O O O O P	00	Live animals	30.78	0.04	0.03	10	2900	6	-87.71	0,3
03 Fish, crustacease, molluses, aquate invertebrates no. 322.22 1.78 2.63 8 62 73 1493.59 32 04 Periodics for animal origin, one 14.30 0.10 11 7 8 2.43 0.11 1 Lee grees, plansi, huls, mon, cont, tent must nue 14.30 0.02 11 7 8 1.42 0.12 1.43 1.5 0.11 1.5 1.6 0.12 1.6 1.6 1.6 1.6 1.6 0.2 1.1 1.3 2.4 1.4 1.9 2.4 1.1 1.5 1.1 1.7 1.4 1.7 1.4 1.7 1.4 1.7 1.4 1.7 1.4 1.7 1.4 1.1 1.5 2.6 1.1 1.7 1.4 1.1 1.7 1.4 1.1 <td>02</td> <td>Meat and edible meat offal</td> <td>12.38</td> <td>0.01</td> <td>0.02</td> <td>10</td> <td>3</td> <td>9</td> <td>-72.34</td> <td>0</td>	02	Meat and edible meat offal	12.38	0.01	0.02	10	3	9	-72.34	0
04 Delay products, egg, honey, edible mininal product mes 6.3 0.01 0.12 11 7 8 2.34 0.1 06 Deve trees, phants, hubbs, note, cut flowers etc. 1.418 0.01 0.12 1.3 1.1 1.21.45 0.1 07 Existic frame, need origins 765.96 0.22 4.11 1.3 2.4 2.7 7.44.87 4.9 0.1 Correls, us, mate and pices 765.96 0.92 4.11 1.3 2.4 7.7 4.86.77 4.9 0.1 Correls, us, mate and pices 766.96 0.02 0.14 1.4	03	Fish, crustaceans, molluscs, aquatic invertebrates nes	1522.52	1.78	2.63	8	62	51	1493.59	3.2
65 Products of animal organ, energy and set of a set of	04	Dairy products, eggs, honey, edible animal product nes	133.44	0.16	0.30	11	12	40	-387.80	0.4
of bit	05	Products of animal origin, nes	6.30	0.01	0.12	11	7	8	-2.45	0.1
Gis Editis Fruit, mits, special Citra fruit, melon: 206.13 0.24 0.42 14 19 42 11.35 0.5 0 Coffee, tex, mate and spices 766.69 0.22 0.11 764.87 4.9 10 Coffee, tex, mate and spices 766.87 0.05 6 5 7 463.71 0.1 11 Milling products, mill, spiced, ruit, etc, nes 89.65 0.10 0.30 10 2.0 37 2.22.23 0.1 12 Oil seed, obegic fruits, grain, seed, ruit, etc, nes 89.65 0.31 0.04 2.9 2 7 2.0 37.73 10 13 Animal/vegrable flaw and oils, cleavage products, etc 4950.88 5.78 12.91 11 42 570.02 0.4 14 Cocca and cocca preparations and products 188.10 0.22 0.66 12 18 43 114.4 0.6 20 Miscellamous differ properitorics 178.12 0.11 1.04 1.04 1.05 1.01	05	Edible vegetables and certain roots and tubers	66.59	0.02	0.10	12	24	15	-60.82	0.2
99 Corfle, ke, mats ind spicer 786.96 0.02 4.11 13 24 72 74.87 4.99 11 Milling products, mail, starches, inuli, wheat gluten 44.67 0.05 6.5 7 7.48.37 0.01 12 Law, guint, restin, step, flut, etc, ses 3.85 0.10 0.01 20 3.7 2.72.2 2.0 1.1 Law, guint, restin, step, flut, etc, ses 3.85 0.01 0.04 8.29 2 7 7.07 2.72.37 1.1 Law, guint, restin, step, flut, etc, ses 3.85 7.88 2.91 1.9 2.1 0.66 4833.38 1.55 16 Mest, flut, m., etc food preparations nes 2.78.66 0.03 1.08 1.1 4.6 5.27.43 1.3 17 Corcal, flot, starch, milt, stroppmation 2.79.90 0.03 1.5 1.4 4.1 4.6 0.82 1.4 1.4 1.4 6.3 1.4 1.4 6.3 1.4 1.4 1.4 1.4 1.4	08	Edible fruit, nuts, peel of citrus fruit, melons	206.13	0.24	0.42	14	19	42	-11.35	0.5
10 Cereals 20.68 0.02 0.05 6 5 7 88.57 1 0.1 12 Oil seed, obeage innus, prain, seed, intuit, etc, nes 89.65 0.10 0.36 10 2.0 37 2.22.2 0.1 12 Dil seed, obeage innus, tendin, republic potobace nes 3.16 0.04 8.2.9 2 7 2.0 32.7.3 10 15 Animal, vegenible fits and oils, cleavage products, etc. 4950.58 5.78 12.91 19 2.1 16 483.839 15.5 16 Met, fish and sector foot operparations 67.79 0.78 3.12 14 11 46 822.4 3.7 17 Sugars and sugar conflectionery 18.10 0.22 0.63 13 14 3.14.64 0.17 14 14 46 2.2 7.00 0.4 13.4 9 4 1.14.0 0.17 12.2 18 41 14.3 0.17 12.2 18.3 14.3 1.3 5 <td>09</td> <td>Coffee, tea, mate and spices</td> <td>786.96</td> <td>0.92</td> <td>4.11</td> <td>13</td> <td>24</td> <td>72</td> <td>764.87</td> <td>4.9</td>	09	Coffee, tea, mate and spices	786.96	0.92	4.11	13	24	72	764.87	4.9
11 mining product, mail, starter, mail, starter, mail, when gumen 49.0 0.00 0.37 5 1.0 2.4 1.232 0.0 12 Date, pressin, vegetable gias and protests ares 33.61 0.04 8.29 2 7 2.0 32.73 1.0 14 Vegetable gias and oci, clavage protocuts, etc. 49.05 55.78 1.21 1.9 2.1 106 483.88 15.5 16 Mest, fish and seafood food preparations nes 2.78.86 0.33 1.08 11 52 2.70.02 0.4 17 Cacca, and occon preparations 667.99 0.78 3.12 14 14 46 52.57.00 0.4 18 Cacca, and occon preparations 18.10 0.22 0.64 12 14 46 53.5 0.4 19 Cacca, and cocon preparations 19.21 0.11 0.46 12.8 54 13.4 0.4 13.45 0.35 13 9 2.4 1.44 0.1 20 Reverapes, spirits and vincare 22.99 0.03 0.05 13 9 2	10	Cereals	20.68	0.02	0.05	6	5	7	-863.71	0.1
1 Lac, parm, restin, vegebble sape and extracts nes. 33.54 0.04 0.86 12 5 27 7.24 1.1 14 Vegetbbe philting materials, vegebble products, etc. 4950.58 5.78 12.91 19 21 106 488.389 15.5 15 Matt, fish and starGo drop preparations ex 4950.58 5.78 12.91 10 6 648.389 15.5 13 17 Sugars and sugar confectionery 88.466 0.10 0.36 10 11 52 5.70.02 0.4 19 Cencal and cocco preparations 17.12 0.11 0.30 15 18 6.45 5.51 6.45 5.51 6.45 5.51 6.45 5.51 6.45 5.65 6.6 9.53 0.4 14.50 6.67 6.73 0.72 0.46 6.44 0.71 2.0 6.78 1.0.5 8.51 143.39 1.6 5.53 1.34 6.04 0.24 0.77 1.2 30 4.1	11	Milling products, mail, starches, inulin, wheat gluten Oil seed pleasic fruits grain seed fruit etc. nes	44.07 89.65	0.05	0.34	10	20	34	-282.32	0.0
14 Vegetable plaiting materials, vegetable products, etc. 33.61 0.04 8.29 2 7 20 32.73 JIO 16 Mainal, vegetable fits and oils, cleavage products, etc. 80.03 1.08 13 9 36 227.85 1.3 18 Cacca and cocca preparations etc. 667.99 0.78 3.12 14 1 46 82.24 3.7 19 Cereal, flow, ratork, miking preparations and products 18.81 0.02 10.3 13 14 14 66 95.3 0.05 13 14 14 66 95.3 0.05 13 14 14 0.16 95.3 0.4 1.14 0.16 95.3 0.1 12 12.1 13 13 5 8 14 0.13 1.5 18 13 15 14 13 1.6 14 14 16.1 14.3 14.1 15.0 8 0.7 14.1 15.0 14.1 15.0 16.0 14	13	Lac, gums, resins, vegetable saps and extracts nes	33.54	0.04	0.96	12	5	27	7.24	1.1
15 Aminal vegetable fits and olis, cleavage products, etc 4950.58 5.78 12.91 19 21 106 4883.89 15.5 17 Sugars and sugar confectionery 84.66 0.10 0.36 10 11 12.6 570.22 0.57 17 Cocco and accoco preparations 18.04 10 0.14 14 46 541.6 58 10 Vegetable, finit, mu, etc ford preparations 17.76 0.21 0.36 15 10 36 95.3 0.4 12 Miscolinancu adible preparations 12.1 0.11 0.30 15 10 36 95.3 0.4 24 Reidage, wastes of food dustry, anial fodder 14.64.3 0.17 0.49 9 13 20 -678.44 0.6 25 Salts, subput, ernt, stone, plaster, line and common of a 40.9 0.24 0.77 12 30 41 -150.36 0.9 24 -123.86 0.73 12 14 -120.36 41 -120.86 0.7 16 33 9 24 -123.86 0.7 7 773	14	Vegetable plaiting materials, vegetable products nes	33.61	0.04	8.29	2	7	20	32.73	10
16 Medi, Talk and served incode preparations nes 24.8.8 0.33 1.03 1.0	15	Animal, vegetable fats and oils, cleavage products, etc	4950.58	5.78	12.91	19	21	106	4883.89	15.5
Constant and experimentation 6799 0.72 0.12 14 11 46 582.54 37 10 Coreal, how, surth, "Init preparations products 187.16 0.22 0.63 15 14 11 46 582.54 37 11 Coreal, how, surth, "Init how preparations 175.76 0.21 0.56 12 18 43 134.42 0.7 12 Deverages, spirits and vinegar 28.99 0.03 0.05 13 9 24 1.14 0.1 23 Satt, subput, earth, Stoone, plaster, line and coment 20.49 0.24 0.77 2.0 14 16.05.88 0.99 26 Ores, isga and sh 1499.50 4.09 5.00 31 12 19 324.37.0 6 27 Macaf Inche, olis, civitation products, etc 377.17.23 27.69 1.71 2.40 4.6 13 13 34 4.37.55 0.7 28 Inorganic chemicals 10.01 0.15 0.05 0.11<	16	Meat, fish and seafood food preparations nes	278.86	0.33	1.08	13	9	30 52	-570.02	1.3
ip Careal, hour, starch, milk preparations and products 188,10 0.22 0.63 15 14 51 14.4 51 14.4 51 14.4 51 14.4 0.17 21 Wiscellaneous colibe preparations 91.21 0.11 0.30 15 10 36 .95.35 0.4 23 Beverages, spirts and vinepar 28.99 0.03 13 9 24 .1.14 0.1 24 Tobacco and manufacturate thace substitutes 32.37.4 0.38 1.31 5 8 51 14.39.9 16 25 Sait, subpure, arth, stone, plaster, line and ceneen 204.99 0.40 0.50 31 12 9 52.37.0 6 26 Orers, sig and ash 1530.64 1.79 0.26 17 84 7.5 -171.356 0.7 29 Organic chemicals 1530.64 1.79 0.26 1.3 8 1.4 -287.64 0.7 30 Taming, dyeing extracts, nuinits, derivs, pigm	18	Cocoa and cocoa preparations	667.99	0.78	3.12	14	11	46	582.54	3.7
20 Vegetable, fixit, nu, etc fod preparations 175.76 0.21 0.56 12 18 43 134.42 0.7 21 Miscellareous colib preparations 91.21 0.11 0.30 0.05 13 9 24 1.14 0.1 22 Breatinges, spirits and vinepar 28.99 0.03 0.05 13 9 24 1.14 0.1 23 Salt, subput, carth, tscone, phater, line and cement 22.04 0.77 12 30 41 1.13.8 0.6 0.1 12 19 32.97.1 12 10 14 1.33.8 0.7 12 14 1.33.8 0.7 12 12 14 1.33.8 0.7 12 12 14 1.33.8 0.7 13 14 1.33.8 0.7 13 12 14 1.3 19 12.0 1.0 14 1.33.9 0.7 1.0 14 1.33.9 1.1 1.3 13 19 11.1 1.33.9 0	19	Cereal, flour, starch, milk preparations and products	188.10	0.22	0.63	15	14	51	141.66	0.8
21 Miscellaneous delibe preparations 91.21 0.11 0.30 15 10 36 99.33 0.4 9.41 1.14 0.11 23 Residues, wattes of food industry, animal fodder 146.43 0.17 0.49 9 13 20 .478.41 0.6 24 Tobacco and mainfactured tobacco substitutes 32.374 0.03 11 13 8 51 144.33 1.6 25 Salt, sulphur, earth, stone, plaster, line and cement 204.90 0.24 0.77 12 30 41 -150.36 0.6 26 Ores, sig and ab 0.64, 614 0.49 17 42 44 6199.16 11 27 Mitterial channeal compound, isoto 446 0.49 17 44 519.64 77 717.35 60 77 717.35 60 77 717.35 60 77 717.35 60 77 717.35 60 77 73 77.73 78 77.73 73.0 70 73.73 77.73 73.73 77.73 77.73 77.73 77.73	20	Vegetable, fruit, nut, etc food preparations	175.76	0.21	0.56	12	18	43	134.42	0.7
22 Residues, wastes of food induity, animal fodder 22.8 0.03 0.03 0.03 0.03 0.03 13 20 -678.41 0.66 24 Tobacco and manufactured tobacco substitutes 32.97 0.38 0.31 5 38 10.39 163 20 -678.41 0.66 24 Tobacco and manufactured tobacco substitutes 32.97.69 0.71 12 14 130.83 16 130.83 160.91 160.91 160.91 160.91 160.91 160.91 160.91 160.91 170.92 141.91 160.91 170.91 160.91 160.91 170.91 160.91 170.91 160.91 170.91 160.91 170.91 160.91 170.91 160.91 170.91 100.91 170.91 100.91 170.91 100.91 170.85 170.85 170.91 100.91 170.85 180.90 170.85 180.90 170.85 180.90 170.85 180.90 170.85 180.90 170.85 180.90 100.91 170.81 110.91 100.173 14 140.92 140.92 110.92 110.91 110.13.91<	21	Miscellaneous edible preparations	91.21	0.11	0.30	15	10	36 24	-95.35	0.4
24Tobacco and manufactured tobacco substitutes1231270.381.315851143.391.625Solt, subpur, carth, store, Plaster, Lime and cement204.900.240.77123041-150.580.926Ores, sing and ash3499.504.095.003112193243.70627Mineral fuels, oils, distillation products, etc22717.23277.691.71242464619.612.120Organic chemicals, precious metal compound, isoto408.430.480.59134531-328.860.730Pharmaccutical products97.050.110.04211634-93.050.731Fertilizers171.650.200.6113814-287.650.732Tanning, dyring extracts, tannins, derivs, pignents etc169.020.200.32113638-313.040.434Soaps, lubricants, waxes, candles, modelling pates345.830.401.15131911021.781.434Albuminoids, modified starches, gluce, enzymes25.100.030.1610827-107.740.236Explosives, protechnics, natches, prophorics, etc6.780.010.031689-108.740.237Photographic or cinematographic goods5.450.010.031689-70.820 <td>22</td> <td>Beverages, spirits and vinegar Residues wastes of food industry animal fodder</td> <td>146.43</td> <td>0.03</td> <td>0.03</td> <td>9</td> <td>13</td> <td>24</td> <td>-678.41</td> <td>0.6</td>	22	Beverages, spirits and vinegar Residues wastes of food industry animal fodder	146.43	0.03	0.03	9	13	24	-678.41	0.6
25 Salt, suphur, earth, stone, plaster, lime and cement 204 90 0.24 0.77 12 30 41 -150.58 00.9 20 Ores, sig and and Dres, sig and and Dres, sig and and 21 10 spatic chemicals, precious melal compound, isoto 4399.50 13 45 31 -328.86 0.7 21 Inorganic chemicals, precious melal compound, isoto 408.43 0.48 0.50 13 45 31 -328.86 0.7 22 Organic chemicals, precious melal compound, isoto 408.41 1.79 0.56 17 84 73 1713.56 0.7 21 Taming, dyving extracts, tannins, derivs, pigments et 169.00 0.20 0.32 11 36 38 1.33 0.4 -13.5 21 56 -113.26 0.4 33 Especias, prechause, canzines, consumets, subieteris 206.89 0.24 0.35 15 21 56 -113.26 0.4 1.33 18 14 -83.53 0.5 0.50 0.5 0.5 0.5 </td <td>23</td> <td>Tobacco and manufactured tobacco substitutes</td> <td>323.74</td> <td>0.38</td> <td>1.31</td> <td>5</td> <td>8</td> <td>· 51</td> <td>143.39</td> <td>1.6</td>	23	Tobacco and manufactured tobacco substitutes	323.74	0.38	1.31	5	8	· 51	143.39	1.6
26Ores, slag and ash3499-504.095.003112193243.705027Miceral facel, oils, distillation products, etc.2717.2327.691.712420446199.162.128Inorganic chemicals, precious metal compound, isoto408.430.480.59134531-328.860.730Pharmaceutical products97.050.110.04211634-93.050.031Fertilizers171.650.200.6113814-287.650.732Tanning, dyring extracts, tannins, derivs, pigments etc169.020.200.32113638-313.040.434Essential oils, pertineus, cosmetics, toiletteris206.890.240.35152156-113.260.434Staps, lubricants, waxes, candles, modelling pates345.830.401.1513191102.1.781.434Stapsile or cineuralographic ground barrene compatible or cineuralographic ground barrene dographic ground barrene d	25	Salt, sulphur, earth, stone, plaster, lime and cement	204.90	0.24	0.77	12	30	41	-150.58	0.9
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	26	Ores, slag and ash	3499.50	4.09	5.00	31	12	19	3243.70	6 21
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	27	Mineral fuels, oils, distillation products, etc	23/1/.23	27.69	0.59	24 13	20 45	31	-328.86	0.7
30Pharmaceutical products97.050.110.04211634-93.050.0131Fertilizers171.650.200.6113814-237.650.733Essential oils, perfumes, cosmetics, toiletries206.890.240.33152156-113.260.433Essential oils, perfumes, cosmetics, toiletries206.890.240.33152156-113.260.434Soaps, lubricans, waxes, canalles, modelling pastes345.830.401.15131911021.781.434Albuminoids, modified starches, glues, enzymes25.100.030.1610827-107.740.235Photographic or cinematographic goods5.450.010.33689-76.820.036Miscollaneous Chemical products55.170.650.60134476-120.370.739Plastics and articles thereof1562.051.820.4616100102-186.820.6416Ruober and articles thereof1.56.001.180.012.730.280.542Articles of eather, niminal gut, harrows, travel goods149.600.170.4292040111.640.543Raw hides and articles of cork0.360.000.026220.530.71622.92.3.033.744Wood, fibro	20	Organic chemicals	1530.64	1.79	0.56	17	84	75	-1713.56	0.7
31Fertilizers171.650.200.6113814-287.650.72Taming, dyeing extracts, tannins, derivs, pigments etc169.020.200.32113638-3313.040.433Essential oits, perfumes, cosmetics, toileteries206.890.240.35152156-113.260.434Soaps, lubricats, waves, candles, modelling pastes345.830.401.15131911021.781.434Albuminoids, modified starches, glues, enzymes25.100.030.1610827-107.740.236Explosives, pyrotechnics, natches, pyrophorics, etc6.780.010.3713411-33.840.337Photographic or cinematographic goods5.450.010.03689-76.820.79Plastics and articles thereof156.021.820.4616100126.820.6640Rubber and articles thereof3580.484.183.5716521162969.654.341Raw hides and skins (other than furskins) and leather103.400.120.393102730.280.042Articles of cord, wood charcoal3111.313.633.07124192292.3.033.745Cork and articles of cord, wood charcoal3111.313.633.07124192292.3.033.745	30	Pharmaceutical products	97.05	0.11	0.04	21	16	34	-93.05	0
22Taming, dyering extracts, innums, derivs, progremits etc169.020.200.22113638-31.30400-3333Essenial oils, pertimes, consettics, toiletries20.680.240.35152156-113.260.434Soaps, lubricants, waxes, candles, modelling pastes345.830.401.15131911021.781.434Albuminoids, modified starches, glues, enzymes25.100.030.1610827-107.740.236Explosives, pyrotechnics, matches, pyrophorics, etc6.780.010.03689-76.82037Photographic or cinematographic goods555.170.650.60134476-120.370.739Piastics and articles thereof156.201.820.4616100102-186.820.640Rubber and articles thereof156.201.820.460.170.4292040114.640.541Raw hides and skins (other than furskins) and leather10.360.070.124192292.303.745Cork and articles of cork0.360.000.02622-0.530.746Mandactures of piaing material, basketwork, etc.6.380.073.45126356.254.247Pulp of wood, mod charcoal311.131.633.07124192292.30 </td <td>31</td> <td>Fertilizers</td> <td>171.65</td> <td>0.20</td> <td>0.61</td> <td>13</td> <td>8</td> <td>14</td> <td>-287.65</td> <td>0.7</td>	31	Fertilizers	171.65	0.20	0.61	13	8	14	-287.65	0.7
33 Easeminar outs, perfutures, concerters 200.0 0.27 0.27 0.2 1.15 13 19 110 21.72 14 34 Soages, bibricants, modeling pastes 343.83 0.40 1.15 13 19 110 21.72 14 35 Albuminoids, modified starches, glues, enzymes 25.10 0.03 0.16 10 8 27 -107.74 0.2 36 Miscellaneous chemical products 55.51.7 0.65 0.60 13 44 76 -120.37 0.7 39 Plastics and articles thereof 1562.05 1.82 0.46 16 100 102 -186.82 0.6 41 Rubber and articles thereof 350.48 4.18 3.57 16 52 116 296.96 4.3 41 Rubskin and articles after animal gut, harnes, travel goods 114.60 0.17 0.42 9 20 40 114.64 0.5 42 Articles of leather, animal gut, harnes, travel goods 3111.31 3.63 3.07 12 41 9.2 2.2.3.03 3.7	32	Tanning, dyeing extracts, tannins, derivs, pigments etc	206.89	0.20	0.32	11	30 21	38 56	-313.04	0.4
35 Albuminoids, modified starches, glues, enzymes 25,10 0.03 0.16 10 8 27 -107,74 0.2 36 Explosives, pyrotechnics, matches, pyrophorics, etc 6.78 0.01 0.27 13 4 11 -33.84 0.3 37 Photographic or cinematographic goods 5.51.7 0.65 0.60 13 44 76 -120.37 0.7 97 Platics and articles thereof 1550.25 1.82 0.46 16 100 102 -188.82 0.6 40 Rubber and articles thereof 13580.48 4.18 3.57 16 52 116 2969.65 4.3 41 Raw hides and skins (other than furkins) and leather 103.40 0.12 0.39 3 10 27 30.28 0.5 44 Wood and articles of wood, wood charcoal 3111.31 3.63 3.07 12 41 92 223.03 3.7 45 Cork and articles of wood, wood charcoal 311.11 3.63 0.307 3.45 12 6 35 6.2.5 4.2	33	Soaps lubricants, waxes, candles, modelling pastes	345.83	0.40	1.15	13	19	110	21.78	1.4
36 Explosives, pyrotechnics, matches, pyrophorics, etc 6.78 0.01 0.27 13 4 11 -33.84 0.3 37 Photographic or cinematographic goods 5.45 0.01 0.03 6 8 9 -76.82 0.7 38 Miscellaneous chemical products 555.17 0.65 0.60 13 44 76 -120.37 0.7 39 Plastics and articles thereof 156.05 1.82 0.46 16 100 102 -186.82 0.6 0.80 Rubber and articles thereof 3380.48 4.18 3.57 16 52 116 2960.65 4.3 4 Wood and articles of the than furskins) and leather 103.40 0.12 0.39 3 10 27 30.28 0.5 44 Wood and articles of wood, wood charcoal 3111.31 3.63 3.07 12 14 92 220.30 3.7 45 Cork and articles of cork 0.36 0.00 0.02 6 2 2 4.05.3 6.2 4.2 5.5.3 0.1	35	Albuminoids, modified starches, glues, enzymes	25.10	0.03	0.16	10	8	27	-107.74	0.2
37Photographic or cinematographic goods5.450.010.03689-7.08.2038Miscellaneous chemical products555.170.650.60134476-120.370.739Pistics and articles thereof1562.051.820.4616100102-186.820.640Rubber and articles thereof3580.484.183.5716521162969.654.341Rav hides and skins (other than furskins) and leather103.400.120.393102730.280.542Articles of leather, animal gut, harness, travel goods149.600.170.4292040114.640.543Furskins and articles of wood, wood charcoal3111.313.633.071241922923.033.745Cork and articles of cork0.360.000.02622-0.33046Manufactures of plaiting material, waste etc934.171.093.578722149.114.347Puip of wood, fibrous cellulosic material, waste etc940.10.050.11915425.370.148Paper & paperboard, articles of puip, paper and board2.282.402.661.678721201804.15249Printed books, newspapers, pictures etc40.910.050.11915425.370.1 <t< td=""><td>36</td><td>Explosives, pyrotechnics, matches, pyrophorics, etc</td><td>6.78</td><td>0.01</td><td>0.27</td><td>13</td><td>4</td><td>11</td><td>-33.84</td><td>0.3</td></t<>	36	Explosives, pyrotechnics, matches, pyrophorics, etc	6.78	0.01	0.27	13	4	11	-33.84	0.3
35Miscentarious circular products202110.000.021010101161261061021161260.6640Rubber and articles thereof1562.051.820.461610102116296.054.341Raw hides and skins (other than furskins) and leather103.400.120.393102730.280.542Articles of leather, animal gut, harness, travel goods149.600.170.4292040114.640.543Furskins and artificial fur, manufactures thereof2.180.000.0318341.98044Wood and articles of cork0.360.000.026220.53045Manufactures of plaiting material, basketwork, etc.63.60.073.451263562.654.247Pulp of wood, fibrous cellulosic material, waste etc934.171.093.578722149.114.348Paper & paperboard, articles of pulp, paper and board2282.402.661.678721201804.152500.010.050.11915425.370.151Sik9980.010.31103978.30.452Vegetable textile fibres nes, paper yarn, woven fabric2.600.077692.911.953Wa	37	Photographic or cinematographic goods	5.45	0.01	0.03	13	8 44	9 76	-120.37	0.7
40Rubber and articles thereof3580,484,183.571652116296,654.341Raw hides and skins (other than furskins) and leather103,400.120.393102730.280.541Articles of leatiner, animal gut, harness, travel goods149,600.170.4292040114,640.543Furskins and articles of wood, wood charcoal3111,313633.071241922923.033.75Cork and articles of cork0.360.000.02622-0.530.044Wood and articles of ook0.360.000.02622-0.530.045Manufactures of plaiting material, basketwork, etc.63.980.073.451263562.654.247Pulp of wood, fibrous cellulosic material, waste etc934,171.093.578722149.114.348Paper & paperboard, articles of pulp, paper and board2282.402.661.67872120180.15249Printed books, newspapers, pictures etc40.910.050.11915425.370.151kWool, animal hair, horsehair yarn and fabric thereof7.700.010.063716-2.350.120Cotton769-6.080.13.03.0165592849,74<	30	Plastics and articles thereof	1562.05	1.82	0.46	16	100	102	-186.82	0.6
41Raw hides and skins (other than furskins) and leather103.400.120.393102730.280.542Articles of leather, animal gut, harness, travel goods149,600.170.4292040114.640.543Furskins and artificial fur, manufactures thereof2.180.000.0318341.98044Wood and articles of wood, wood charcoal3111.313.633.071241922923.033.745Cork and articles of cork0.360.000.026220.53046Manufactures of plaiting material, basketwork, etc.63.980.073.451263562.654.247Pulp of wood, fibrous cellulosic material, waste etc941.171.093.578722149.114.348Paper & paperboard, articles of pulp, paper and board2282.402.661.678721201804.15249Printed books, newspapers, pictures etc49.910.050.11915425.370.150Silk9.980.010.3110397.830.460wool, animal hair, horsehair yarn and fabric thereof7.000.000.077696.080.151Wegatable textile fibres nes, paper yarn, woven fabric2.000.000.077695.080.1 <td>40</td> <td>Rubber and articles thereof</td> <td>3580.48</td> <td>4.18</td> <td>3.57</td> <td>16</td> <td>52</td> <td>116</td> <td>2969.65</td> <td>4.3</td>	40	Rubber and articles thereof	3580.48	4.18	3.57	16	52	116	2969.65	4.3
42Articles of leather, animal gut, harness, travel goods149.600.170.4292040114.640.533Furkins and articles of loading maunfactures thereof2.180.000.0318341.98044Wood and articles of wood, wood charcoal3111.313.633.071241922923.033.755Cork and articles of cork0.360.000.02622-0.53066Maunfactures of plaiting material, basketwork, etc.63.980.073.451263562.654.247Pulp of wood, fibrous cellulosic material, waste etc934.171.093.578722149.114.348Paper & paperboard, articles of pulp, paper and board2282.402.661.678721201804.1529Printed books, newspapers, pictures etc40.910.050.11915425.370.150Silk9.980.010.3110397.830.460Nool, animal hair, horsehair yam and fabric thereof7.700.010.063716-2.350.151Wool, animal thair, horsehair yam and fabric thereof7.700.000.07769-6.080.152Cotton755.000.881.607967823.911.953Manmade staple fibres </td <td>41</td> <td>Raw hides and skins (other than furskins) and leather</td> <td>103.40</td> <td>0.12</td> <td>0.39</td> <td>3</td> <td>10</td> <td>27</td> <td>30.28</td> <td>0.5</td>	41	Raw hides and skins (other than furskins) and leather	103.40	0.12	0.39	3	10	27	30.28	0.5
43 Porskins and articles of wood, wood charcoal 3111.31 3.63 3.07 12 41 92 2923.03 3.7 44 Wood and articles of wood, wood charcoal 3111.31 3.63 3.07 12 41 92 2923.03 3.7 45 Cork and articles of cork 0.36 0.00 0.02 6 2 2 -0.53 0 46 Manufactures of plaiting material, basketwork, etc. 63.98 0.07 3.45 12 6 35 62.65 4.2 7 Pulp of wood, fibrous cellulosic material, waste etc 934.17 1.09 3.57 8 7 22 149.11 4.3 48 Paper & paper & paperboard, articles of pulp, paper and board 2282.40 2.66 1.67 8 72 120 1804.15 2 50 Silk 9.98 0.01 0.31 10 3 9 7.83 0.4 51 Wool, animal hair, horsehair yarn and fabric thereof 7.70 0.01 0.06 3 7 16 -2.35 0.1 52 Wegtable	42	Articles of leather, animal gut, harness, travel goods	149.60	0.17	0.42	18	20	40	1.98	0.3
45 Cork and articles of cork 0.36 0.00 0.02 6 2 2 -0.53 0 46 Manufactures of plaiting material, basketwork, etc. 63.98 0.07 3.45 12 6 35 62.65 4.2 47 Pulp of wood, fibrous cellulosic material, waste etc 934.17 1.09 3.57 8 7 22 149.11 4.3 48 Faper & paperboard, articles of pulp, paper and board 2282.40 2.66 1.67 8 72 120 1804.15 2 49 Printed books, newspapers, pictures etc 40.91 0.05 0.11 9 15 42 5.37 0.1 51 Wool, animal hair, horschair yarn and fabric thereof 7.70 0.01 0.06 3 7 16 -2.35 0.1 52 Cotton 755.00 0.08 1.60 7 96 78 23.91 1.9 53 Manmade filments 1110.56 1.30 3.01 6 55 92 849.74 3.6 54 Manmade filments stapte fibres </td <td>43 44</td> <td>Wood and articles of wood, wood charcoal</td> <td>3111.31</td> <td>3.63</td> <td>3.07</td> <td>12</td> <td>41</td> <td>92</td> <td>2923.03</td> <td>3.7</td>	43 44	Wood and articles of wood, wood charcoal	3111.31	3.63	3.07	12	41	92	2923.03	3.7
46Manufactures of plaiting material, basketwork, etc.63.980.073.451263562.654.247Pulp of wood, fibrous cellulosic material, waste etc934.171.093.578722149.114.348Paper & paperboard, articles of pulp, paper and board2282.402.661.678721201804.15249Printed books, newspapers, pictures etc40.910.050.11915425.370.150Silk9.980.010.3110397.830.46Vool, animal hair, horsehair yarn and fabric thereof7.700.010.063716-2.350.152Cotton755.000.881.607967823.911.953Vegetable textile fibres nes, paper yarn, woven fabric2.600.000.07769-6.080.154Manmade filaments1110.561.303.0165592849.743.655Manmade staple fibres1238.301.454.4456793995.065.356Wadding, felt, non-wovens, yarns, twine, cordage, etc78.600.090.3811214314.000.559Impregnated, coated or laminated textile fabric134.890.160.827154635.360.461Articles of apparel, accessories, knit or	45	Cork and articles of cork	0.36	0.00	0.02	6	2	2	-0.53	0
47Pulp of wood, fibrous cellulosic material, waste etc934.171.093.578722149.114.548Paper & paper board, articles of pulp, paper and board2282.402.661.678721201804.15249Printed books, newspapers, pictures etc40.910.050.11915425.370.150Silk9.980.010.3110397.830.451Wool, animal hair, horschair yarn and fabric thereof7.700.010.063716-2.350.152Cotton755.000.881.607967823.911.953Vegetable textile fibres nes, paper yarn, woven fabric2.600.000.07769-6.080.154Manmade filaments1110.561.303.0165592849.743.655Maanda filaments1128.301.454.4456793995.065.356Wadding, felt, non-wovens, yarns, twine, cordage, etc78.600.090.369153635.360.459Impregnated, coated or laminated textile fabric134.890.160.82715408.09160Knitted or crocheted fabric74.540.090.38816494.720.561Articles of apparel, accessories, not knit or crochet1825.91	46	Manufactures of plaiting material, basketwork, etc.	63.98	0.07	3.45	12	6	35	62.65	4.2
43Paper Spaperosan, articles of puip, paper and obat223 + 302.001.0101.01 <td>47</td> <td>Pulp of wood, fibrous cellulosic material, waste etc</td> <td>934.17</td> <td>1.09</td> <td>3.57</td> <td>8</td> <td>72</td> <td>120</td> <td>1804.15</td> <td>4.3</td>	47	Pulp of wood, fibrous cellulosic material, waste etc	934.17	1.09	3.57	8	72	120	1804.15	4.3
50Silk9.980.010.3110397.830.451Wool, animal hair, horsehair yarn and fabric thereof7.700.010.063716-2.350.152Cotton755.000.881.607967823.911.953Vegetable textile fibres nes, paper yarn, woven fabric2.600.000.07769-6.080.154Manmade filaments1110.561.303.0165592849.743.655Manmade staple fibres1238.301.454.4456793995.065.356Wadding, felt, no-wovens, yarns, twine, cordage, etc78.600.090.5511214728.360.757Carpets and other textile floor coverings42.290.050.3811214314.000.558Special woven or tufted fabric, lace, tapestry etc43.440.050.3811214314.000.559Impregnated, coated or laminated textile fabric134.890.160.82715408.09160Knitted or crocheted fabric74.540.090.38816494.720.561Articles of apparel, accessories, not knit or crochet1825.912.131.45101021001802.822.5563Other made textile articles, sets, worn clothing etc20	48 49	Printed books, newspapers, pictures etc	40.91	0.05	0.11	9	15	42	5.37	0.1
51Wool, animal hair, horsehair yarn and fabric thereof7.700.010.063716 -2.35 0.152Cotton750.000.881.607967823.911.953Vegetable textile fibres nes, paper yarn, woven fabric2.600.000.07769-6.080.154Manmade filaments1110.561.303.0165592849.743.655Manmade staple fibres1238.301.454.4456793995.065.356Wadding, felt, non-wovens, yarns, twine, cordage, etc78.600.090.5511214728.360.757Carpets and other textile floor coverings42.290.050.369153635.360.459Impregnated, coated or laminated textile fabric134.890.160.82715408.09160Knitted or crocheted fabric74.540.090.38816494.720.561Articles of apparel, accessories, not knit or crochet1825.912.131.45101021001802.821.763Other made textile articles, sets, worn clothing etc206.600.240.61154070193.600.764Footwear, gaiters and the like, parts thereof31.340.040.701062926.180.865Headgear and p	50	Silk	9.98	0.01	0.31	10	3	9	7.83	0.4
52Cotton755.00 0.88 1.60 79678 23.91 1.9 53Vegetable textile fibres nes, paper yarn, woven fabric 2.60 0.00 0.07 769 6.08 0.1 54Manmade filaments 1110.56 1.30 3.01 6 55 92 849.74 3.6 55Mading, felt, non-wovens, yarns, twine, cordage, etc 78.60 0.09 0.55 11 21 47 28.36 0.7 57Carpets and other textile floor coverings 42.29 0.05 0.36 9 15 36 35.36 0.4 58Special woven or tufted fabric, lace, tapestry etc 43.44 0.05 0.38 11 21 43 14.00 0.5 59Impregnated, coated or laminated textile fabric 134.89 0.16 0.82 7 15 40 8.09 11 60Knitted or crocheted fabric 74.54 0.09 0.38 8 16 49 4.72 0.5 61Articles of apparel, accessories, not knit or crochet 1825.91 2.13 1.45 10 102 100 1802.82 1.7 62Articles of apparel, accessories, not knit or crochet 3073.68 3.59 2.09 9 108 105 3043.53 2.5 63Other made textile articles, sets, worn clothing etc 206.60 0.24 0.61 15 40 70 193.60 0.7 64 <td>51</td> <td>Wool, animal hair, horsehair yarn and fabric thereof</td> <td>7.70</td> <td>0.01</td> <td>0.06</td> <td>3</td> <td>7</td> <td>16</td> <td>-2.35</td> <td>0.1</td>	51	Wool, animal hair, horsehair yarn and fabric thereof	7.70	0.01	0.06	3	7	16	-2.35	0.1
53Vegetable textlic inferes nes, paper yarn, woven fabric2.000.000.0770980.000.1054Manmade filaments1110.561.303.0165592849.743.655Manmade staple fibres1238.301.454.4456793995.065.356Wadding, felt, non-wovens, yarns, twine, cordage, etc78.600.090.5511214728.360.757Carpets and other textile floor coverings42.290.050.369153635.360.458Special woven or tufted fabric, lace, tapestry etc43.440.050.3811214314.000.559Impregnated, coated or laminated textile fabric134.890.160.82715408.09160Knitted or crocheted fabric74.540.090.38816494.720.561Articles of apparel, accessories, not knit or crochet1825.912.131.45101021001802.821.762Articles of apparel, accessories, not knit or crochet3073.683.592.0991081053043.532.563Other made textile articles, sets, worn clothing etc206.600.240.61154070193.600.764Footwear, gaiters and the like, parts thereof31.340.040.701062926.18 </td <td>52</td> <td>Cotton</td> <td>755.00</td> <td>0.88</td> <td>1.60</td> <td>7</td> <td>96</td> <td>/8</td> <td>23.91</td> <td>1.9</td>	52	Cotton	755.00	0.88	1.60	7	96	/8	23.91	1.9
Maintail infinition Initial infinition Initial infinition Initial infinition Initial infinition 55 Manmade staple fibres 1238.30 1.45 4.44 5 67 93 995.06 5.3 56 Wadding, felt, non-wovens, yarns, twine, cordage, etc 78.60 0.09 0.55 11 21 47 28.36 0.7 57 Carpets and other textile floor coverings 42.29 0.05 0.36 9 15 36 35.36 0.4 58 Special woven or tufted fabric, lace, tapestry etc 43.44 0.05 0.38 11 21 43 14.00 0.5 59 Impregnated, coated or laminated textile fabric 134.89 0.16 0.82 7 15 40 8.09 1 60 Knitted or crocheted fabric 74.54 0.09 0.38 8 16 49 4.72 0.5 61 Articles of apparel, accessories, not knit or crochet 3073.68 3.59 2.09 9 108 105 3043.53 2.5 63 Other made textile articles, sets, worn clothing etc	53	Vegetable textile fibres fies, paper yarn, woven labric Manmade filaments	1110.56	1.30	3.01	6	55	92	849.74	3.6
56 Wadding, felt, non-wovens, yarns, twine, cordage, etc 78.60 0.09 0.55 11 21 47 28.36 0.7 57 Carpets and other textile floor coverings 42.29 0.05 0.36 9 15 36 35.36 0.4 58 Special woven or tufted fabric, lace, tapestry etc 43.44 0.05 0.38 11 21 43 14.00 0.5 59 Impregnated, coated or laminated textile fabric 134.89 0.16 0.82 7 15 40 8.09 1 60 Knitted or crocheted fabric 74.54 0.09 0.38 8 16 49 4.72 0.5 61 Articles of apparel, accessories, knit or crochet 1825.91 2.13 1.45 10 102 100 1802.82 1.7 62 Articles of apparel, accessories, not knit or crochet 3073.68 3.59 2.09 9 108 105 3043.53 2.5 63 Other made textile articles, sets, worn clothing etc 206.60 0.24 0.61 15 40 70 193.60 0.7	55	Manmade manients Manmade staple fibres	1238.30	1.45	4.44	5	67	93	995.06	5.3
57Carpets and other textile floor coverings 42.29 0.05 0.36 9 15 36 35.36 0.4 58Special woven or tufted fabric, lace, tapestry etc 43.44 0.05 0.38 11 21 43 14.00 0.5 59Impregnated, coated or laminated textile fabric 134.89 0.16 0.82 7 15 40 8.09 1 60Knitted or crocheted fabric 74.54 0.09 0.38 8 16 49 4.72 0.5 61Articles of apparel, accessories, knit or crochet 1825.91 2.13 1.45 10 102 100 1802.82 1.7 62Articles of apparel, accessories, not knit or crochet 3073.68 3.59 2.09 9 108 105 3043.53 2.5 63Other made textile articles, sets, worn clothing etc 206.60 0.24 0.61 15 40 70 193.60 0.7 64Footwear, gaiters and the like, parts thereof 1428.52 1.67 2.10 8 25 80 1369.23 2.5 65Headgear and parts thereof 31.34 0.04 0.70 10 6 29 26.18 0.8 66Umbrellas, walking-sticks, seat-sticks, whips, etc 13.84 0.02 0.85 n/a 5 10 7.91 1 67Bird skin, feathers, artificial flowers, human hair 63.91 0.07 2.24 4 7 2	56	Wadding, felt, non-wovens, yarns, twine, cordage, etc	78.60	0.09	0.55	11	21	47	28.36	0.7
58Special woven or tufted fabric, lace, tapestry etc43,44 0.05 0.38 11 21 43 14.00 0.31 59Impregnated, coated or laminated textile fabric 134.89 0.16 0.82 7 15 40 8.09 1 60Knitted or crocheted fabric 74.54 0.09 0.38 8 16 49 4.72 0.5 61Articles of apparel, accessories, knit or crochet 1825.91 2.13 1.45 10 102 100 1802.82 1.7 62Articles of apparel, accessories, not knit or crochet 3073.68 3.59 2.09 9 108 105 3043.53 2.5 63Other made textile articles, sets, worn clothing etc 206.60 0.24 0.61 15 40 70 193.60 0.7 64Footwear, gaiters and the like, parts thereof 1428.52 1.67 2.10 8 25 80 1369.23 2.5 65Headgear and parts thereof 31.34 0.04 0.70 10 6 29 26.18 0.8 66Umbrellas, walking-sticks, seat-sticks, whips, etc 13.84 0.02 0.85 n/a 5 10 7.91 1 67Bird skin, feathers, artificial flowers, human hair 63.91 0.07 2.24 4 7 23 58.75 2.7 68Stone, plaster, cement, asbestos, mica, etc articles 103.46 0.12 0.37 14 36	57	Carpets and other textile floor coverings	42.29	0.05	0.36	9	15	36	35.36	0.4
39Impregnated, coaled of halimate textile fabric 134.09 0.10 0.02 7 10 100 100 100 60Knitted or crocheted fabric 74.54 0.09 0.38 8 16 49 4.72 0.5 61Articles of apparel, accessories, knit or crochet 1825.91 2.13 1.45 10 102 100 1802.82 1.7 62Articles of apparel, accessories, not knit or crochet 3073.68 3.59 2.09 9 108 105 3043.53 2.5 63Other made textile articles, sets, worn clothing etc 206.60 0.24 0.61 15 40 70 193.60 0.7 64Footwear, gaiters and the like, parts thereof 1428.52 1.67 2.10 8 25 80 1369.23 2.5 65Headgear and parts thereof 31.34 0.04 0.70 10 6 29 26.18 0.8 66Umbrellas, walking-sticks, seat-sticks, whips, etc 13.84 0.02 0.85 n/a 5 10 7.91 1 67Bird skin, feathers, artificial flowers, human hair 63.91 0.07 2.24 4 7 23 58.75 2.7 68Stone, plaster, cement, asbestos, mica, etc articles 103.46 0.12 0.37 14 36 46 17.49 0.4 69Ceramic products 273.98 0.32 0.90 11 24 66 163.21	58	Special woven or tufted fabric, lace, tapestry etc	43.44	0.05	0.38	7	21	43	8.09	0.5
61Articles of apparel, accessories, knit or crochet 1825.91 2.13 1.45 10 102 100 1802.82 1.7 62Articles of apparel, accessories, not knit or crochet 3073.68 3.59 2.09 9 108 105 3043.53 2.5 63Other made textile articles, sets, worn clothing etc 206.60 0.24 0.61 15 40 70 193.60 0.7 64Footwear, gaiters and the like, parts thereof 1428.52 1.67 2.10 8 25 80 1369.23 2.5 65Headgear and parts thereof 31.34 0.04 0.70 10 6 29 26.18 0.8 66Umbrellas, walking-sticks, seat-sticks, whips, etc 13.84 0.02 0.85 n/a 5 10 7.91 1 67Bird skin, feathers, artificial flowers, human hair 63.91 0.07 2.24 4 7 23 58.75 2.7 68Stone, plaster, cement, asbestos, mica, etc articles 103.46 0.12 0.37 14 36 46 17.49 0.4 69Ceramic products 273.98 0.32 0.90 11 24 66 163.21 1.1 70Glass and glassware 996.81 0.46 0.84 11 44 99 308.40 1.5	59 60	Knitted or crocheted fabric	74.54	0.09	0.38	8	16	49	4.72	0.5
62Articles of apparel, accessories, not knit or crochet 3073.68 3.59 2.09 9 108 105 3043.53 2.5 63 Other made textile articles, sets, worn clothing etc 206.60 0.24 0.61 15 40 70 193.60 0.7 64 Footwear, gaiters and the like, parts thereof 1428.52 1.67 2.10 8 25 80 1369.23 2.5 65 Headgear and parts thereof 31.34 0.04 0.70 10 6 29 26.18 0.8 66 Umbrellas, walking-sticks, seat-sticks, whips, etc 13.84 0.02 0.85 n/a 5 10 7.91 1 67 Bird skin, feathers, artificial flowers, human hair 63.91 0.07 2.24 4 7 23 58.75 2.7 68 Stone, plaster, cement, asbestos, mica, etc articles 103.46 0.12 0.37 14 36 46 17.49 0.4 69 Ceramic products 273.98 0.32 0.90 11 24 66 163.21 1.1 70 Glass and glassware 396.81 0.46 0.84 11 44 50 308.40 1.1	61	Articles of apparel, accessories, knit or crochet	1825.91	2.13	1.45	10	102	100	1802.82	1.7
63Other made textile articles, sets, worn clothing etc 206.60 0.24 0.61 15 40 70 193.60 0.7 64Footwear, gaiters and the like, parts thereof 1428.52 1.67 2.10 8 25 80 1369.23 2.5 65Headgear and parts thereof 31.34 0.04 0.70 10 6 29 26.18 0.8 66Umbrellas, walking-sticks, seat-sticks, whips, etc 13.84 0.02 0.85 n/a 5 10 7.91 1 67Bird skin, feathers, artificial flowers, human hair 63.91 0.07 2.24 4 7 23 58.75 2.7 68Stone, plaster, cement, asbestos, mica, etc articles 103.46 0.12 0.37 14 36 46 17.49 0.4 69Ceramic products 273.98 0.32 0.90 11 24 66 163.21 1.1 70Glass and glassware 396.81 0.46 0.84 11 44 50 308.40 1	62	Articles of apparel, accessories, not knit or crochet	3073.68	3.59	2.09	9	108	105	3043.53	2.5
64Footwear, gatters and the like, parts thereof 1420.32 1.07 2.10 6 23 50 1369.23 2.3 65 Headgear and parts thereof 31.34 0.04 0.70 10 6 29 26.18 0.8 66 Umbrellas, walking-sticks, seat-sticks, whips, etc 13.84 0.02 0.85 n/a 5 10 7.91 1 67 Bird skin, feathers, artificial flowers, human hair 63.91 0.07 2.24 4 7 23 58.75 2.7 68 Stone, plaster, cement, asbestos, mica, etc articles 103.46 0.12 0.37 14 36 46 17.49 0.4 69 Ceramic products 273.98 0.32 0.90 11 24 66 163.21 1.1 70 Glass and glassware 396.81 0.46 0.84 11 44 50 308.40 1	63	Other made textile articles, sets, worn clothing etc	206.60	0.24	0.61	15	40	20	193.60	0.7
66Umbrellas, walking-sticks, seat-sticks, whips, etc13.840.020.85 n/a 5107.91167Bird skin, feathers, artificial flowers, human hair63.910.072.24472358.752.768Stone, plaster, cement, asbestos, mica, etc articles103.460.120.3714364617.490.469Ceramic products273.980.320.90112466163.211.170Glass and glassware396.810.460.84114436401	64 65	rootwear, gatters and the like, parts thereof Headgear and parts thereof	31.34	0.04	0.70	10	25	29	26.18	0.8
67 Bird skin, feathers, artificial flowers, human hair 63.91 0.07 2.24 4 7 23 58.75 2.7 68 Stone, plaster, cement, asbestos, mica, etc articles 103.46 0.12 0.37 14 36 46 17.49 0.4 69 Ceramic products 273.98 0.32 0.90 11 24 66 163.21 1.1 70 Glass and glassware 396.81 0.46 0.84 11 44 36 46 163.21 1.1	66	Umbrellas, walking-sticks, seat-sticks, whips, etc	13.84	0.02	0.85	n/a	5	10	7.91	1
68 Stone, plaster, cement, asbestos, mica, etc articles 103.46 0.12 0.37 14 36 46 17.49 0.4 69 Ceramic products 273.98 0.32 0.90 11 24 66 163.21 1.1 70 Glass and glassware 396.81 0.46 0.84 11 44 99 308.40 1	67	Bird skin, feathers, artificial flowers, human hair	63.91	0.07	2.24	4	7	23	58.75	2.7
69 Ceramic products $2/3.95$ 0.32 0.90 11 24 00 103.21 1.1 70 Glass and glassware 396.81 0.46 0.84 11 44 99 308.40 1	68	Stone, plaster, cement, asbestos, mica, etc articles	103.46	0.12	0.37	14	36	46	17.49	0.4
	69 70	Glass and glassware	2/3.98	0.32	0.90		24	00	103.21	1.1

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71	Pearls, precious stones, metals, coins, etc	329.73	0.38	0.17	15	23	24	319.60	0.2
72	Iron and steel	711.22	0.83	0.25	26	70	46	-2633.73	0.3
73	Articles of iron or steel	598.11	0.70	0.35	17	90	72	-883.98	0.4
74	Copper and articles thereof	1257.53	1,47	1.65	21	33	23	1094.77	2
75	Nickel and articles thereof	927.04	1.08	4.81	23	5	4	907.70	5.8
76	Aluminium and articles thereof	612.88	0.72	0.58	13	33	47	46.96	0.7
78	Lead and articles thereof	0.29	0.00	0.01	19	1	1	-61.55	0
79	Zinc and articles thereof	5.54	0.01	0.06	11	6	9	-136.09	0.1
80	Tin and articles thereof	920.78	1.07	26.65	24	6	21	914.77	32
81	Other base metals, cermets, articles thereof	1.34	0.00	0.01	17	4	4	-14.21	0
82	Tools, implements, cutlery, etc of base metal	74.14	0.09	0.19	10	24	34	-85.75	0.2
83	Miscellaneous articles of base metal	118.03	0.14	0.31	14	29	35	-29.45	0.4
84	Boilers, machinery; nuclear reactors, etc	4560.04	5.32	0.33	12	324	108	-3516.15	0.4
85	Electrical, electronic equipment	7328.43	8.56	0.52	13	230	135	3999.26	0.6
86	Railway, tramway locomotives, rolling stock, equip.	64.20	0.07	0.27	19	4	14	46.05	0.3
87	Vehicles other than railway, tramway	1298.01	1.52	0.14	13	62	78	-1763.43	0.2
88	Aircraft, spacecraft, and parts thereof	119.29	0.14	0.09	4	9	33	-360.43	0.1
89	Ships, boats and other floating structures	195.78	0.23	0.27	12	12	17	-132.84	0.3
90	Optical, photo, technical, medical, etc apparatus	325.14	0.38	0.10	14	79	63	-161.40	0.1
91	Clocks and watches and parts thereof	4.62	0.01	0.02	7	7	9	-6.59	0
92	Musical instruments, parts and accessories	322.80	0.38	6.62	8	14	41	290.26	8
93	Arms and ammunition, parts and accessories thereof	1.06	0.00	0.01	8	2	1	-15.24	0
94	Furniture, lighting, signs, prefabricated buildings	1905.23	2.22	1.53	12	34	122	1800.42	1.8
95	Toys, games, sports requisites	195.44	0.23	0.32	9	31	48	122.15	0.4
96	Miscellaneous manufactured articles	147.43	0.17	0.77	9	31	56	58.48	0.9
97	Works of art, collectors pieces and antiques	6.42	0.01	0.04	9	4	14	5.58	0.1
99	Commodities not elsewhere specified	1.33	0.00	0.00	20	1	1	1.33	0

Malaysia

	ويرجعه المريبي والمرابقة والمارية والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمحاط والمراجع			Exports	Growth	and the second second		100 million (100 million)	And in case of the local division of the loc
HS	Product Group	Exports	Exports	as a	of	No. of	No. of	Net Trade	RCAL
2002	• • • • • • • • • • • • • • • • • • •	value	asa	share	world	exported	exports		
		US\$ mil.	share	of	exports	products	markets		
			of total	world	in	(>0.1	(>0.1		
			exports	exports	value	US\$ mil)	US\$ mil)		
			(%)	(%)	(% p.a)				
00	All industries	140962.93	100.00	1.37	<u> </u>	3299	190	26379.29	
01	Live animals	111.22	0.08	0.84	10	7	3	64.12	0.6
02	Meat and edible meat offal	7.74	0.01	0.01	12	10	10	-265.01	0
03	Fish, crustaceans, molluscs, aquatic invertebrates nes	522.99	0.37	0.90	8	47	35	54.39	0.7
04	Dairy products, eggs, honey, edible animal product nes	162.75	0.12	0.37	11	16	38	-281.81	0.3
05	Products of animal origin. nes	6.65	0.00	0.13	11	4	4	-4.00	0.1
06	Live trees, plants, bulbs, roots, cut flowers etc	52.71	0.04	0.39	12	8	16	48.41	0.3
07	Edible vegetables and certain roots and tubers	104.23	0.07	0.31	10	35	20	-298.44	0.2
08	Edible fruit, nuts, peel of citrus fruit, melons	82.76	0.06	0.17	14	28	29	-51.65	0.1
09	Coffee, tea, mate and spices	55.75	0.04	0.29	13	19	28	-82,74	0.2
10	Cereals	2.69	0.00	0.01	6	5	2	-846.16	0
11	Milling products, malt, starches, inulin, wheat gluten	37.36	0.03	0.45	9	15	25	-85.84	0.3
12	Oil seed, oleagic fruits, grain, seed, fruit, etc. nes	24.69	0.02	0.08	10	18	14	-254.76	0.1
13	Lac. gums, resins, vegetable saps and extracts nes	3.23	0.00	0.09	12	2	6	-16.38	0.1
14	Vegetable plaiting materials, vegetable products nes	1.79	0.00	0.44	2	3	5	-2.10	0.3
15	Animal vegetable fats and oils, cleavage products, etc	6051.24	4.29	15.78	19	29	131	5505.36	11.5
16	Meat, fish and seafood food preparations nes	108.65	0.08	0.42	13	17	36	58.28	0.3
17	Sugars and sugar confectionery	123.35	0.09	0.52	10	10	34	-224.85	0.4
18	Cocoa and cocoa preparations	513.66	0.36	2,40	14	11	. 74	70.28	1.8
19	Cereal, flour, starch, milk preparations and products	348.23	0.25	1.16	15	15	73	58.74	0.8
20	Vegetable, fruit, nut, etc food preparations	62.64	0.04	0.20	12	27	43	-19.21	0.1
21	Miscellaneous edible preparations	273.42	0.19	0.90	15	13	58	6.20	0.7
22	Beverages, spirits and vinegar	240.93	0.17	0.40	13	21	38	74.27	0.3
23	Residues, wastes of food industry, animal fodder	142.91	0.10	0.48	9	12	27	-254.00	0.3
24	Tobacco and manufactured tobacco substitutes	218.03	0.15	0.88	5	8	33	-11.89	0.6
25	Salt, sulphur, earth, stone, plaster, lime and cement	159.80	0.11	0.60	12	28	27	-84.60	0.4
26	Ores, slag and ash	27.00	0.02	0.04	31	13	13	-272.40	0
27	Mineral fuels, oils, distillation products, etc	18759.95	13.31	1.35	24	24	43	9531.15	1
28	Inorganic chemicals, precious metal compound, isoto	288.17	0.20	0.41	13	82	45	-428.13	0.3
29	Organic chemicals	2222.57	1.58	0.82	17	136	71	-85.32	0.6
30	Pharmaceutical products	87.01	0.06	0.04	21	23	43	-479.45	0
31	Fertilizers	245.93	0.17	0.87	13	18	19	-400.44	0.6
32	Tanning, dveing extracts, tannins, derivs, pigments etc	393.71	0.28	0.75	11	35	56	-110.22	0.5
33	Essential oils, perfumes, cosmetics, toileteries	139.39	0.10	0.24	15	24	42	-285.64	0.2
34	Soaps, lubricants, waxes, candles, modelling pastes	405.78	0.29	1.34	13	21	82	166.36	1
35	Albuminoids, modified starches, glues, enzymes	43.29	0.03	0.27	10	8	28	-56.75	0.2
36	Explosives, pyrotechnics, matches, pyrophorics, etc	5.64	0.00	0.22	13	4	12	-3.70	0.2
37	Photographic or cinematographic goods	105.77	0.08	0.51	6	20	36	-4.90	0.4
38	Miscellaneous chemical products	1671.03	1.19	1.79	13	43	95	951.10	1.3
39	Plastics and articles thereof	3862.90	2.74	1.14	16	111	120	166.26	0.8
40	Rubber and articles thereof	3408.95	2.42	3.39	16	64	125	2407.10	2.5
41	Raw hides and skins (other than furskins) and leather	23.23	0.02	0.09	3	13	10	-110.20	0.1
42	Articles of leather, animal gut, harness, travel goods	37.63	0.03	0.11	9	17	26	-16.74	0.1

43	Furskins and artificial fur, manufactures thereof	1.61	0.00	0.02	19	2	1	0.18	0
44	Wood and articles of wood, wood charcoal	4120.39	2.92	4.07	12	51	88	3753.81	3
45	Cork and articles of cork	0.11	0.00	0.01	6	0	0	-0.82	0
46	Manufactures of plaiting material, basketwork, etc.	0.35	0.00	0.02	12	ĩ	Ő	-2.37	0
47	Pulp of wood, fibrous cellulosic material waste etc.	8 34	0.00	0.02	8	5	5	-121.69	0
48	Paper & paperboard articles of pulp paper and board	536.96	0.38	0.00	8	78	70	-779 30	0.3
49	Printed books newspaners nictures etc	174 71	0.38	0.49	0	15	50	-22 72	0.4
50	Silk	1/4./1	0.12	0.45	10	15	3	-10.35	0
51	Wool animal hair horsehair yarn and fabric thereof	38 70	0.00	0.05	2	5	13	-10.55	02
52	Cotton	126.75	0.03	0.30	7	50	13	155 07	0.2
53	Vegetable textile fibres pas, paper yarn, wayan fabria	120.25	0.09	0.27	, ,	50	37	-155.57	0.2
54	Manmade filaments	700.72	0.00	1.02	, ,	2	5	521 70	14
55	Manmade stanle fibres	709.72	0.50	0.77	0	38	69 50	30.86	0.6
56	Walding falt non wowens were twing cordere at	214.90	0.15	0.77	2	41	39	30.80	0.0
50	Compete and other tentile fleer cougings	95.30	0.07	0.00	11	27	44	25.02	0.5
57	Carpets and other texture moor coverings	25.24	0.02	0.21	9	14	15	-3.90	0.2
58	Special woven or fulled labric, lace, tapestry etc	17.97	0.01	0.16	11	14	24	-20.09	0.1
39	Impregnated, coated or laminated textile radric	29.01	0.02	0.18	/	12	25	-59.37	0.1
60	Knined of crocheted fabric	107.04	0.08	0.54	8	12	25	-67.55	0.4
61	Articles of apparel, accessories, knit or crochet	767.24	0.54	0.61	10	95	52	666.63	0.4
62	Articles of apparel, accessories, not knit or crochet	456.13	0.32	0.31	9	88	46	311.89	0.2
63	Other made textile articles, sets, worn clothing etc	72.63	0.05	0.21	15	35	37	-52.02	0.2
64	Footwear, gaiters and the like, parts thereof	133.64	0.09	0.20	8	23	51	41.69	0.1
65	Headgear and parts thereof	18.32	0.01	0.41	10	6	16	15.17	0.3
66	Umbrellas, walking-sticks, seat-sticks, whips, etc	0.51	0.00	0.03		3	2	-0.53	0
67	Bird skin, feathers, artificial flowers, human hair	0.67	0.00	0.02	4	2	1	-0.68	0
68	Stone, plaster, cement, asbestos, mica, etc articles	151.81	0.11	0.54	14	39	44	21.38	0.4
69	Ceramic products	195.99	0.14	0.65	11	24	52	57.98	0.5
70	Glass and glassware	352.00	0.25	0.75	11	36	51	-78.92	0.5
71	Pearls, precious stones, metals, coins, etc	1435.15	1.02	0.75	15	26	34	-156.39	0.5
72	Iron and steel	1111.62	0.79	0.39	26	128	51	-2542.65	0.3
73	Articles of iron or steel	1628.30	1.16	0.95	17	101	89	-538.92	0.7
. 74	Copper and articles thereof	681.00	0.48	0.89	21	38	43	-839.22	0.7
75	Nickel and articles thereof	13.26	0.01	0.07	23	7	11	-36.75	0.1
76	Aluminium and articles thereof	668.78	0.47	0.64	13	35	52	-454.91	0.5
78	Lead and articles thereof	41.73	0.03	1.31	19	9	20	-11.11	1
79	Zinc and articles thereof	45.57	0.03	0.51	11	9	. 18	-170.14	0.4
80	Tin and articles thereof	298.21	0.21	8.63	24	7	30	47.72	6.3
81	Other base metals, cermets, articles thereof	12.05	0.01	0.10	17	6	8	-74.85	0.1
82	Tools, implements, cutlery, etc of base metal	165.37	0.12	0.43	10	41	41	-224.82	0.3
83	Miscellaneous articles of base metal	178.46	0.13	0.47	14	35	65	4,51	0.3
84	Boilers, machinery; nuclear reactors, etc	27268.63	19.34	1.95	12	430	144	9005.45	1.4
85	Electrical, electronic equipment	48159.45	34.16	3.44	13	266	136	5845.44	2.5
86	Railway, tramway locomotives, rolling stock, equip.	56.23	0.04	0.24	19	6	17	-18.95	0.2
87	Vehicles other than railway, tramway	836.15	0.59	0.09	13	64	87	-2321.12	0.1
88	Aircraft, spacecraft, and parts thereof	380.21	0.27	0.27	4	12	33	-697.40	0.2
89	Ships, boats and other floating structures	584.91	0.41	0.79	12	12	27	-270.06	0.6
90	Optical, photo, technical, medical, etc apparatus	3219.47	2.28	0.99	14	130	77	80.69	0.7
91	Clocks and watches and parts thereof	148.62	0.11	0.59	7	28	13	-147.01	0.4
92	Musical instruments, parts and accessories	43.63	0.03	0.89	8	12	21	8.18	0.7
93	Arms and ammunition, parts and accessories thereof	1.45	0.00	0.02	8	3	5	-14.86	0
94	Furniture, lighting, signs, prefabricated buildings	2092.64	1.48	1.68	12	36	131	1678.47	1.2
95	Toys, games, sports requisites	251.33	0.18	0.41	9	33	56	103.03	0.3
96	Miscellaneous manufactured articles	200.22	0.14	1.04	9	35	71	63.66	0.8
97	Works of art, collectors pieces and antiques	6.58	0.00	0.04	9	3	9	-2.51	0
99	Commodities not elsewhere specified	1928.16	1.37	0.83	20	1	131	-136.75	0.6
.,	Commodition not one man appointed		,	0.00	20	-			0.0

Philippines

				Exports	Growth.				
HS	Product Group	Exports	Exports	as a	of	No. of	No. of	Net Trade	RCAI
2002		value	as a	share	world	exported	exports		
	•	US\$ mil.	share	of	exports	products	markets		
			of total	world	in	(>0.1	(>0.1		
			exports	exports	value	US\$ mil)	US\$ mil)		
			(%)	(%)	(% p.a)			•	
00	All industries	41221.27	100.00	0.40		1478	147	-5732.50	
01	Live animals	4.84	0.01	0.04	10	3	8	-15.35	0.1
02	Meat and edible meat offal	7.56	0.02	0.01	12	3	5	-160.10	0
03	Fish, crustaceans, molluscs, aquatic invertebrates nes	240.44	0.58	0.42	8	30	34	171.98	1
04	Dairy products, eggs, honey, edible animal product nes	77.25	0.19	0.17	11	6	12	-351.25	0.4
05	Products of animal origin, nes	3.69	0.01	0.07	11	4	8	-0.87	0.2
06	Live trees, plants, bulbs, roots, cut flowers etc	2.35	0.01	0.02	12	4	4	1.44	0
07	Edible vegetables and certain roots and tubers	29.43	0.07	0.09	10	9	7	-6.54	0.2
08	Edible fruit, nuts, peel of citrus fruit, melons	576.86	1.40	1.18	14	10	57	542.88	2.9
09	Coffee, tea, mate and spices	2.11	0.01	0.01	13	3	4	-33.50	0
10	Cereals	0.19	0.00	0.00	6	0	0	-958.46	0
11	Milling products, malt, starches, inulin, wheat gluten	3.41	0.01	0.04	9	3	4	-88.85	0.1
12	Oil seed, oleagic fruits, grain, seed, fruit, etc, nes	31.44	0.08	0.10	10	5	23	-54.48	0.3
13	Lac, gums, resins, vegetable saps and extracts nes	43.95	0.11	1.25	12	2	. 32	27.07	3.1
14	vegetable plaiting materials, vegetable products nes	0.29	0.00	0.07	2	i	í	-1.20	0.2

15	Animal vegetable fats and oils, cleavage products, etc	663.23	1.61	1.73	19	9	19	514.20	4.3
16	Meat fish and seafood food preparations nes	109.42	0.27	0.42	13	13	46	101 10	1.1
17	Concernent and sectored food preparations nes	110.64	0.27	0.47	10	15	-10	42.65	1.2
17	Sugars and sugar confectionery	110.04	0.27	0.47	10	/	23	45.05	1.2
18	Cocoa and cocoa preparations	5.43 .	0.01	0.03	14	5.	8	-40.36	0.1
19	Cereal flour starch milk preparations and products	84 09	0.20	0.28	15	10	38	-105 67	0.7
20	Vegetable Grit aut at fact generations	271.62	0.20	0.20	10	20	10	216.65	2.2
20	vegetable, iruit, nut, etc tood preparations	271.02	0.00	0.80	12	20	49	210.05	2.2
21	Miscellaneous edible preparations	60.50	0.15	0.20	15	9	37	-193.01	0.5
22	Beverages spirits and vinegar	49 32	0.12	0.08	13	14	20	-32.25	0.2
22	Develages, spirits and vinegal	17.02	0.12	0.00	15	14	2)	-52.25	0.2
23	Residues, wastes of food industry, animal fodder	32.83	0.08	0.11	9	6	9	-4/2.84	0.3
24	Tobacco and manufactured tobacco substitutes	143.74	0.35	0.58	5	8	32	-63.61	1.5
25	Salt sulphur earth stone plaster lime and cement	64 42	0.16	0.24	12	14	20	-13.93	0.6
25	San, suprar, carin, stone, plaster, nine and coment	04.42	0.10	0.24	12	14	20	-15.95	0.0
26	Ores, stag and ash	256.76	0.62	0.37	31	11	11	-293.34	0.9
27	Mineral fuels, oils, distillation products, etc	774.81	1.88	0.06	24	7	26	-5768.61	0.1
28	Inorganic chemicals, precious metal compound, isoto	40.32	0.12	0.07	12	16	15	270 25	0.2
20	morganic chemicals, precious metar compound, isoto	47.52	0.12	0.07	15	10	15	-270.23	0.2
29	Organic chemicals	49.85	0.12	0.02	17	9	24	-535.04	0
30	Pharmaceutical products	26.69	0.06	0.01	21	6	22	-404.73	0
21	Fastilizar	02.22	0.22	0.22	12	7		120 44	0.8
51	refutizets	92.55	0.22	0.55	15	/	9	-130.44	0.0
32	Tanning, dyeing extracts, tannins, derivs, pigments etc	16.56	0.04	0.03	11	17	23	-195.27	0.1
33	Essential oils, perfumes, cosmetics, toileteries	43.03	0.10	0.07	15	15	34	-206.72	0.2
34	Soans lubricante waxes candles modelling nestes	40.02	0.10	0.14	12	12	22	82.22	0.3
34	Soaps, nuoricanis, waxes, candies, moderning pastes	40.92	0.10	0.14	15	12	22	-05.55	0.5
35	Albuminoids, modified starches, glues, enzymes	5.91	0.01	0.04	10	4	10	-84.68	0.1
36	Explosives, pyrotechnics, matches, pyrophorics, etc.	3.89	0.01	0.15	13	2	4	-2.71	0.4
37	Photographic or cinematographic goods	0.70	0.00	0.00		2	2	57 37	0
57	Photographic of chiematographic goods	0.70	0.00	0.00	0	2	5	-37.37	0
. 38	Miscellaneous chemical products	108.31	0.26	0.12	13	14	33	-246.06	0.3
39	Plastics and articles thereof	276.02	0.67	0.08	16	54	47	-899.95	0.2
10		140.55	0.07	0.00	10	20	52	21.26	0.4
40	Rubber and articles thereof	149.55	0.36	0.15	16	26	53	-31.30	0.4
41	Raw hides and skins (other than furskins) and leather	4.10	0.01	0.02	3	8	8	-47.58	0
42	Articles of leather animal gut harness travel goods	131 21	0.32	0.37	9	15	23	112.20	0.9
42	Finders of learner, annuar gut, namess, naver goods	1.10	0.52	0.57	10	15	25	0.96	0.2
43	Furskins and artificial fur, manufactures thereof	1.19	0.00	0.02	18	2	3	0.80	0
44	Wood and articles of wood, wood charcoal	180.62	0.44	0.18	12	24	34	-70.02	0.4
45	Cork and articles of cork	0.03	0.00	0.00	6	0	0	-0.95	0
45		0.03	0.00	0.00	0	0		-0.75	10.0
46	Manufactures of plaiting material, basketwork, etc.	95.30	0.23	5.14	12	5	31	94.92	12.9
47	Pulp of wood, fibrous cellulosic material, waste etc	52.69	0.13	0.20	8	3	8	-20.05	0.5
48	Paper & paperboard articles of pulp paper and board	110.62	0.27	0.08	0	34	36	-347 16	0.2
40	raper & paperboard, articles of pulp, paper and board	110.02	0.27	0.08	0	54	50	-347.10	0.2
49	Printed books, newspapers, pictures etc	9.75	0.02	0.03	9	8	- 15	-69.57	0.1
50	Silk	0.92	0.00	0.03	10	1.	3	-2.22	0.1
51	Wool animal hair horsehair yarn and fabric thereof	2.03	0.00	0.02	3	4	3	-35 22	0
51	wool, ammai nair, noisenair yarn and iaoric mereor	2.03	0.00	0.02	5	-	3	-35.22	0
52	Cotton	46.89	0.11	0.10	7	16	28	-270.97	0.2
53	Vegetable textile fibres nes, paper varn, woven fabric	13.98	0.03	0.38	7	5	10	6.60	1
54	Manmada filamanta	21.04	0.05	0.06	6	7	20	158 26	0.1
54	Manmade maments	21.04	0.05	0.00	0	,	20	-136.20	0.1
55	Manmade staple fibres	39.05	0.09	0.14	5	19	33	-185.08	0.3
56	Wadding felt non-wovens varus twine cordage etc	44.92	0.11	0.31	11	8	31	17.68	0.8
50	Quarte and other test's for a second second ge, our	5 19	0.01	0.04		ž	4	0.05	0.1
57	Carpets and other textile moor covernigs	5.10	0.01	0.04	9	3		-0.95	0.1
58	Special woven or tufted fabric, lace, tapestry etc	49.57	0.12	0.43	11	10	23	-15.48	1.1
59	Impregnated coated or laminated textile fabric	0.40	0.00	0.00	7	2	2	-41.50	0
57	Impregnated, coated of lammated textile labite	0.10	0.00	0.04	,	-	11	201 76	01
60	Knitted of crocheted fabric	8.34	0.02	0.04	8	4	11	-281.70	0.1
61	Articles of apparel, accessories, knit or crochet	837.82	2.03	0.67	10	93	48	806.67	1.7
62	Articles of apparel accessories not knit or crochet	1396 62	3 39	0.95	9	99	48	1352.93	2.4
62	Articles of apparen, accessories, not kint of crociet	(5.07	0.16	0.10	16	22	24	16 65	0.5
63	Other made textile articles, sets, worn clothing etc	05.07	0.16	0.19	15	23	24	40.05	0.5
64	Footwear, gaiters and the like, parts thereof	25.76	0.06	0.04	8	13	23	-18.50	0.1
65	Headgear and parts thereof	16.20	0.04	0.36	10	5	11	14 27	0.9
05	neaugear and parts dicteor	10.20	0.04	0.50	10	2		11.27	0.2
66	Umbrellas, walking-sticks, seat-sticks, whips, etc	1.62	0.00	0.10		2	2	-2.83	0.2
67	Bird skin, feathers, artificial flowers, human hair	24.06	0.06	0.84	4	2	10	18.89	2.1
69	Stand plaster coment achestos mica etcarticles	35.07	0.00	0.13	14	13	29	-5.70	03
00	Stolle, plaster, cement, aspestos, mica, etc articles	55.97	0.09	0.10	14	15	27	-9.70	0.5
69	Ceramic products	57.83	0.14	0.19	11	9	22	-8.04	0.5
70	Glass and glassware	180.77	0.44	0.38	11	18	23	84.50	1
71	Deedle province stance metals soins ato	157.41	0.38	0.08	15	16	36	45 04	0.2
/1	rearis, precious stones, metals, coms, etc	107.41	0.50	0.00	15	10	50	1160.64	0.2
72	Iron and steel	207.54	0.50	0.07	26	26	21	-1159.04	0.2
73	Articles of iron or steel	96.79	0.23	0.06	17	35	32	-210.20	0.1
74	Conner and articles thereof	434 96	1.06	0.57	21	13	16	121.31	14
74		0.26	0.00	0.00	21	1	1	2 20	
75	Nickel and articles thereof	0.26	0.00	0.00	23	1	1	-3.28	0
76	Aluminium and articles thereof	32.86	0.08	0.03	13	10	19	-169.05	0.1
79	Load and articles thereof	0.93	0.00	0.03	19	3	2	-5 72	0.1
/0	Lead and articles mereor	0.75	0.00	0.05	17	2	2	-5.72	0.1
79	Zinc and articles thereof	2,19	0.01	0.02	11	3	2	-20.68	0.1
80	Tin and articles thereof	3.98	0.01	0.12	24	5	9	-2.32	0.3
01	Other have motely commute articles thereof	60.08	0.17	0.55	17	3	15	61 35	14
01	Other base metals, cermets, articles mereor	10.00	0.17	0.33	1/	11	10	14.50	1.4
82	Tools, implements, cutlery, etc of base metal	12.26	0.03	0.03	10	11	13	-16.59	0.1
83	Miscellaneous articles of base metal	53.23	0.13	0.14	14	20	25	-9.50	0.4
0.4	Bailan machinary suchas reactors ato	8383 17	20.24	0.60	12	170	81	2250 60	15
64	boners, machinery, nuclear reactors, etc	0303.4/	20.34	0.00	12	170	01	2237.00	1.5
85	Electrical, electronic equipment	20162.91	48.91	1.44	13	120	79	1905.26	3.6
86	Railway, tramway locomotives, rolling stock, emin	1.79	0.00	0.01	19	2	2	-6.61	0
07	Valida ether ther million to strong stork, oquip.	1611 07	2 01	0.19	12	25	47	200 12	A 4
ð/	venicies other than railway, tramway	1011.27	3.91	0.18	13	25	4/	309.12	0.4
88	Aircraft, spacecraft, and parts thereof	348.02	0.84	0.25	4	4	29	-137.91	0.6
80	Shine hoats and other floating structures	137 98	0.33	0.19	12	2	9	132.72	0.5
0.0	Only to the tests ' 1 1' 1 to the	070 04	2 11	0.27	1.4	76	50	02.02	0.5
90	Optical, photo, technical, medical, etc apparatus	870.24	2.11	0.27	14	/0	50	82.80	0.7
91	Clocks and watches and parts thereof	143.24	0.35	0.57	7	5	28	25.90	1.4
92	Musical instruments narts and accessories	0.71	0.00	0.01	8	3	2	-4 78	0
22	intustral monutinus, parts and accessories	7.14	0.00	0.10	0	7	2	0.63	
93	Arms and ammunition, parts and accessories thereof	7.14	0.02	0.10	8	7	8	0.63	0.2
94	Furniture, lighting, signs, prefabricated buildings	335.75	0.81	0.27	12	24	65	258.72	0.7
05	Toyo comes enorte requisitas	116 60	0.28	0.19	0	20	44	43 62	0.5
73	Toys, games, sports requisites	110.07	0.20	0.15	,	20		-10.02	0.5
96	Miscellaneous manufactured articles	41.80	0.10	0.22	9	10	25	-31.37	0.5
97	Works of art, collectors pieces and antiques	3.07	0.01	0.02	9	2	3	2.73	0.1
in c	Tammaritian not alaminan analitian	12.45	12120	18181	າເ	ć	11	11.75	
79	Commodities not ensewhere specified	12.40	0.05	0.01	20		17	11.75	0

Thailand

				Exports	Growth				
HS	Product Group	Exports	Exports	as a	of	No. of	No. of	Net Trade	RCAI
2002	· · · ·	value	as a	share	world	exported	exports		
		US\$ mil.	share	of	exports	products	markets		
			of total	world	in volue	(>0.1	(>0.1		
			exports (%)	exports (%)	(% n a)	033 mil)	033 mii)		
00	All industries	110110-03	100.00	1.07	(10 h.g)	3220	206	-8054.30	
01	Live animals	10.179	0.01	0.08	10	4		-27.81	0.1
02	Meat and edible meat offal	28.491	0.03	0.04	12	10	10	19.07	0
03	Fish, crustaceans, molluscs, aquatic invertebrates nes	1938.159	1.76	3.35	8	51	67	570.67	3.1
04	Dairy products, eggs, honey, edible animal product nes	142.386	0.13	0.32	11	17	27	-222.48	0.3
05	Products of animal origin, nes	24.162	0.02	0.46	11	10	16	-9.88	0.4
00	Edible vegetables and certain roots and tubers	88.310 517 597	0.08	0.65	12	30	42 44	444 58	1.5
08	Edible fruit, nuts, peel of citrus fruit, melons	313.079	0.47	0.64	14	28	45	180.19	0.6
09	Coffee, tea, mate and spices	34.561	0.03	0.18	13	14	24	5.28	0.2
10	Cereals	2358.55	2.14	5.42	6	7	109	2103.81	5.1
11	Milling products, malt, starches, inulin, wheat gluten	312.514	0.28	3.74	9	14	45	176.15	3.5
12	Oil seed, oleagic fruits, grain, seed, fruit, etc, nes	55.742	0.05	0.18	10	18	26	-465.59	0.2
13	Lac, guills, reshis, vegetable saps and extracts lies	6 166	0.02	0.64	12	5	10	-28.27	1.4
14	Animal vegetable fats and oils, cleavage products les	166.077	0.01	0.43	19	20	31	60.47	0.4
16	Meat, fish and seafood food preparations nes	3376.411	3.07	13.10	13	23	127	3345.29	12.3
17	Sugars and sugar confectionery	863.842	0.78	3.64	10	10	53	823.97	3.4
18	Cocoa and cocoa preparations	47.086	0.04	0.22	14	8	24	-23.25	0.2
19	Cereal, flour, starch, milk preparations and products	367.121	0.33	1.22	15	15	57	137.12	1.1
20	Vegetable, fruit, nut, etc food preparations	1115.238	1.01	3.54	12	35	115	1011.50	3.3
21	Miscellaneous edible preparations	0/8.//1	0.62	2.24	13	13	84 38	460.69	0.3
22	Residues wastes of food industry animal fodder	496 233	0.18	1.66	9	10	42	-227.58	1.6
24	Tobacco and manufactured tobacco substitutes	71.617	0.07	0.29	5	6	31	-54.61	0.3
25	Salt, sulphur, earth, stone, plaster, lime and cement	587.933	0.53	2.22	12	• 22	42	382.21	2.1
26	Ores, slag and ash	28.719	0.03	0.04	31	8	15	-273.93	0
27	Mineral fuels, oils, distillation products, etc	4768.037	4.33	0.34	24	14	35	-16174.81	0.3
28	Inorganic chemicals, precious metal compound, isoto	161.633	0.15	0.23	13	50	35	-726.93	0.2
29	Organic chemicals	1930.356	1.75	0.71	21	//	49	-1017.28	0.7
30	Pharmaceutical products	68 359	0.14	0.00	13	14	14	-824.96	0.2
32	Tanning dueing extracts, tanning, derive nigments etc	204.772	0.19	0.39	11	37	62	-613.28	0.4
33	Essential oils, perfumes, cosmetics, toileteries	655.965	0.60	1.11	15	23	81	228.66	1
34	Soaps, lubricants, waxes, candles, modelling pastes	237.689	0.22	0.79	13	20	54	-137.94	0.7
35	Albuminoids, modified starches, glues, enzymes	310.16	0.28	1.97	10	8	44	186.62	1.8
36	Explosives, pyrotechnics, matches, pyrophorics, etc	10.159	0.01	0.40	13	5	12	-6.09	0.4
37	Photographic or cinematographic goods	21.252	0.02	0.10	13	41	24 52	-143.38	0.1
38 20	Miscellaneous chemical products	5991 314	5 44	1.76	15	105	151	1752.63	1.6
39 40	Rubber and articles thereof	6230.852	5.66	6.20	16	63	135	5330.97	5.8
41	Raw hides and skins (other than furskins) and leather	340.122	0.31	1.27	3	13	30	-148.39	1.2
42	Articles of leather, animal gut, harness, travel goods	320.828	0.29	0.90	9	19	69	237.59	0.8
43	Furskins and artificial fur, manufactures thereof	6.273	0.01	0.08	18	4	5	-5.09	0.1
44	Wood and articles of wood, wood charcoal	914.668	0.83	0.90	12	34	70	187.49	0.8
45	Cork and articles of cork	0.012	0.00	0.00	12	5	22	-1.04	07
40	But a fixed fibrous cellulosic material waste etc.	91 133	0.01	0.35	8	10	22	-285.79	0.3
47	Paper & paperboard articles of pulp, paper and board	905.407	0.82	0.66	8	78	84	-25.35	0.6
49	Printed books, newspapers, pictures etc	113.148	0.10	0.32	9	17	47	-9.63	0.3
50	Silk	26.391	0.02	0.83	10	7	18	4.23	0.8
51	Wool, animal hair, horsehair yarn and fabric thereof	72.943	0.07	0.55	3	9	15	-33.14	0.5
52	Cotton	501.294	0.46	1.07	7	90	88	-466.06	1
53	Vegetable textile fibres nes, paper yarn, woven fabric	/.[]] 591.419	0.01	0.20	6	53	87	-13.02	0.2
54	Manmade filaments	1003 942	0.33	3 60	5	79	99	722.23	3.4
55	Wadding felt non-wovens varns, twine, cordage, etc	252.48	0.23	1.76	11	26	67	132.11	1.6
57	Carpets and other textile floor coverings	100.019	0.09	0.85	9	12	42	90.60	0.8
58	Special woven or tufted fabric, lace, tapestry etc	147.902	0.13	1.29	11	25	66	16.04	1.2
59	Impregnated, coated or laminated textile fabric	145.727	0.13	0.89	7	18	45	-71.36	0.8
60	Knitted or crocheted fabric	155.967	0.14	0.79	8	15	44	-202.07	0.7
61	Articles of apparel, accessories, knit or crochet	1905.695	1.73	1.51	10	98	115	1838.29	1.4
62	Articles of apparel, accessories, not knit or crochet	246 089	1.44	0.73	9	47	120	1407.19	07
03 64	Uner made textile articles, sets, worn clothing etc Ecotypean gaiters and the like parts thereof	897 184	0.81	1.31	8	27	95	816.86	1.2
65	Headgear and narts thereof	43.188	0.04	0.97	10	8	32	39.14	0.9
66	Umbrellas, walking-sticks, seat-sticks, whips, etc	2.449	0.00	0.15	-	3	4	-0.41	0.1
67	Bird skin, feathers, artificial flowers, human hair	52.444	0.05	1.84	4	7	26	46.99	1.7
68	Stone, plaster, cement, asbestos, mica, etc articles	151.197	0.14	0.54	14	35	53	-23.78	0.5
69	Ceramic products	612.159	0.56	2.02	11	26	69	377.20	1.9
70	Glass and glassware	452.852	0.41	0.96	11	42	13	22.93	0.9
71	rearis, precious stones, metals, coins, etc	3210.17	1.92	0.47	26	30 102	58	-7089.23	1.0
14	non and steel	1011.720			20	102			0.4

the second se									
73	Articles of iron or steel	1634.249	1.48	0.95	17	102	114	-1154.44	0.9
74	Copper and articles thereof	560.415	0.51	0.73	21	38	42	-1053.44	0.7
75	Nickel and articles thereof	6.781	0.01	0.04	23	5	4	-59.08	0
76	Aluminium and articles thereof	712,048	0.65	0.68	13	28	56	-1000.93	0.6
78	Lead and articles thereof	2.468	0.00	0.08	19	4	6	-87.38	0.1
79	Zinc and articles thereof	45.235	0.04	0.51	11	· 8	20	-18.18	0.5
80	Tin and articles thereof	212.082	0.19	6.14	24	6	25	78.30	5.7
81	Other base metals, cermets, articles thereof	24.062	0.02	0.19	17	7	7	-55.19	0.2
82	Tools, implements, cutlery, etc of base metal	125.165	0.11	0.33	10	43	43	-534.49	0.3
83	Miscellaneous articles of base metal	297.081	0.27	0.78	14	34	74	42.30	0.7
84	Boilers, machinery; nuclear reactors, etc	19345.488	17.57	1.39	12	394	147	2325.38	1.3
85	Electrical, electronic equipment	20673.441	18.78	1.48	13	245	138	-2729.45	1.4
86	Railway, tramway locomotives, rolling stock, equip.	9.712	0.01	0.04	19	3	17	-1.45	0
87	Vehicles other than railway, tramway	8152.289	7.40	0.90	13	67	160	4116.55	0.8
88	Aircraft, spacecraft, and parts thereof	1035.626	0.94	0.74	· 4	8	32	-157.97	0.7
89	Ships, boats and other floating structures	278.296	0.25	0.38	12	12	23	-302.79	0.4
90	Optical, photo, technical, medical, etc apparatus	1770.868	1.61	0.54	14	101	78	-577.64	0.5
91	Clocks and watches and parts thereof	388.236	0.35	1.55	7	26	26	37.41	1.4
92	Musical instruments, parts and accessories	15.645	0.01	0.32	8	3	18	-11.64	0.3
93	Arms and ammunition, parts and accessories thereof	26.919	0.02	0.37	8	4	3	1.33	0.3
94	Furniture, lighting, signs, prefabricated buildings	1399.932	1.27	1.12	12	36	101	1187.61	1.1
95	Toys, games, sports requisites	593.862	0.54	0.96	9	39	83	452.79	0.9
96	Miscellaneous manufactured articles	202.713	0.18	1.05	9	42	64	26.51	1
97	Works of art, collectors pieces and antiques	5.16	0.00	0.04	9	4	8	4.47	0
99	Commodities not elsewhere specified	1574.601	1.43	0.68	20	1	90	193.36	0.6

Vietnam

				Exports	Growth		100		
HS	Product Group	Exports	Exports	as a	of	No. of	No. of	Net Trade	RCAI
2002	*	value	as a	share	world	exported	exports		
		US\$ mil.	share	of	exports	products	markets		
	ε		of total	world	ìn	• (>0.1	(>0.1		
			exports	exports	value	US\$ mil)	US\$ mil)		
			(%)	(%)	(% p.a)				
0	All industries	33,957	100.00	0.33		1959	113	432	
01	Live animals	15	0.05	0.12	10	1	7	12	0.3
02	Meat and edible meat offal	33	0.10	0.05	12	5	8	-11	0.2
03	Fish, crustaceans, molluscs, aquatic invertebrates nes	2,000	5.89	3.46	8	45	-51	1,841	10.5
04	Dairy products, eggs, honey, edible animal product nes	29	0.09	0.07	11	4	15	-200	0.2
05	Products of animal origin, nes	13	0.04	0.24	11	6	11	-25	0.7
06	Live trees, plants, bulbs, roots, cut flowers etc	9	0.03	0.07	12	6	6	5	0.2
07	Edible vegetables and certain roots and tubers	122	0.36	0.37	10	26	25	75	1.1
08	Edible fruit, nuts, peel of citrus fruit, melons	496	1.46	1.01	14	22	50	336	3.1
09	Coffee, tea, mate and spices	1,091	3,21	5.69	13	22	72	1,066	17.3
10	Cereals	983	2.90	2.26	6	6	39	815	6.8
11	Milling products, malt, starches, inulin, wheat gluten	71	0.21	0.85	9	8	16	-4	2.6
12	Oil seed, oleagic fruits, grain, seed, fruit, etc, nes	35	0.10	0.12	10	10	22	-30	0.4
13	Lac, gums, resins, vegetable saps and extracts nes	4	0.01	0.11	12	3	4	-5	0.3
14	Vegetable plaiting materials, vegetable products nes	6	0.02	1.36	2	5	14	4	4.1
15	Animal, vegetable fats and oils, cleavage products, etc	13	0.04	0.03	19	9	9	-105	0.1
16	Meat, fish and seafood food preparations nes	494	1.45	1.92	13	16	40	440	5.8
17	Sugars and sugar confectionery	10	0.03	0.04	10	3	16	-82	0.1
18	Cocoa and cocoa preparations	1	0.00	0.00	14	3	2	-9	0
19	Cereal, flour, starch, milk preparations and products	78	0.23	0.26	15	11	29	-7	0.8
20	Vegetable, fruit, nut, etc food preparations	80	0.23	0.25	12	17	31	66	0.8
21	Miscellaneous edible preparations	40	0.12	0.13	15	10	33	-43	0.4
22	Beverages, spirits and vinegar	15	0.05	0.03	13	8	11	-140	0.1
23	Residues, wastes of food industry, animal fodder	10	0.03	0.03	9	6	11	-475	0.1
24	Tobacco and manufactured tobacco substitutes	12	0.04	0.05	5	6	6	-254	0.2
25	Salt, sulphur, earth, stone, plaster, lime and cement	60	0.18	0.23	12	19	20	-128	0.7
26	Ores, slag and ash	163	0.48	0.23	31	17	8	153	0.7
27	Mineral fuels, oils, distillation products, etc	8,096	23.85	0.58	24	7	22	3,212	1.8
28	Inorganic chemicals, precious metal compound, isoto	19	0.06	0.03	13	15	11	-219	0.1
29	Organic chemicals	97	0.29	0.04	17	18	29	-607	0.1
30	Pharmaceutical products	13	0.04	0.01	21	6	10	-446	0
31	Fertilizers	3	0.01	0.01	13	1	2	-488	0
32	Tanning, dyeing extracts, tannins, derivs, pigments etc	8	0.02	0.01	11	11	11	-328	0
33	Essential oils, perfumes, cosmetics, toileteries	49	0.14	0.08	15	19	22	-98	0.3
34	Soaps, lubricants, waxes, candles, modelling pastes	/4	0.22	0.24	13	10	24	-35	0.7
35	Albuminoids, modified starches, glues, enzymes	15	0.05	0.10	10	2	. 10	-97	0.3
36	Explosives, pyrotechnics, matches, pyrophorics, etc	1	0.00	0.04	13	2	3	-4	0.1
37	Photographic or cinematographic goods	9	0.03	0.04	6	5	4	-62	0.1
38	Miscellaneous chemical products	41	0.12	0.04	13	13	20	-416	0.1
39	Plastics and articles thereof	345	1.02	0.10	16	/1	51	-1,562	0.3
40	Rubber and articles thereof	530	1.50	0.53	16	41	62	189	1.6
41	Raw hides and skins (other than furskins) and leather	53	0.16	0.20	3	15	16	-645	0.6
42	Articles of leatner, animal gut, harness, travel goods	594	1./5	1.0/	9	18	22	577	5.1
43	Furskins and artificial fur, manufactures thereof	3	0.01	0.04	18	4	6	-16	0.1
44	wood and articles of wood, wood charcoal	317	0.93	0.31	12	38	40	-23	1

45	Cork and articles of cork	0	0.00	0.02	6	2	1	0	0.1
46	Manufactures of plaiting material, basketwork, etc.	129	0.38	6.98	12	5	45	128	21.2
47	Pulp of wood, fibrous cellulosic material, waste etc	0	0.00	0.00	8	1	1	-82	0
48	Paper & paperboard, articles of pulp, paper and board	111	0.33	0.08	8	33	35	-410	0.2
49	Printed books, newspapers, pictures etc	7	0.02	0.02	9	8	15	-32	0.1
50	Silk	29	0.09	0.91	10	6	8	-86	2.8
51	Wool, animal hair, horsehair yarn and fabric thereof	3	0.01	0.03	3.	3	2	-59	0.1
52	Cotton	70	0.21	0.15	7	48	21	-533	0.4
53	Vegetable textile fibres nes, paper yarn, woven fabric	12	0.04	0.34	7	8	9	-7	1
54	Manmade filaments	83	0.24	0.22	6	35	32	-646	0.7
55	Manmade staple fibres	90	0.27	0.32	5	37	26	-460	1
56	Wadding, felt, non-wovens, yarns, twine, cordage, etc	40	0.12	0.28	11	22	27	-130	0.8
57	Carpets and other textile floor coverings	12	0.04	0.10	9	9	7	3	0.3
58	Special woven or tufted fabric, lace, tapestry etc	16	0.05	0.14	11	17	25	-232	0.4
59	Impregnated, coated or laminated textile fabric	12	0.04	0.07	7	6	12	-392	0.2
60	Knitted or crocheted fabric	17	0.05	0.08	8	14	18	-686	0.3
61	Articles of apparel, accessories, knit or crochet	1,713	5.05	1.36	10	94	56	1,627	4.1
62	Articles of apparel, accessories, not knit or crochet	3,108	9.16	2.11	9	109	58	3,001	6.4
63	Other made textile articles, sets, worn clothing etc	291	0.86	0.86	15	45	48	250	2.6
64	Footwear, gaiters and the like, parts thereof	4,898	14.43	7.19	8	26	80	4,643	21.8
65	Headgear and parts thereof	138	0.41	3.09	10	8	35	129	9.4
66	Umbrellas, walking-sticks, seat-sticks, whips, etc	4	0.01	0.24		3	6	4	0.7
67	Bird skin, feathers, artificial flowers, human hair	3	0.01	0.11	4	4	5	2	0.3
68	Stone, plaster, cement, asbestos, mica, etc articles	59	0.17	0.21	14	23	28	-18	0.6
69	Ceramic products	318	0.94	1.05	11	23	56	266	3.2
70	Glass and glassware	40	0.12	0.08	11	22	24	-65	0.3
71	Pearls, precious stones, metals, coins, etc	143	0.42	0.07	15	15	21	-77	0.2
72	Iron and steel	60	0.18	0.02	26	32	18	-2,523	0.1
73	Articles of iron or steel	255	0.75	0.15	17	75	43	-280	0.4
74	Copper and articles thereof	6	0.02	0.01	21	10	9	-283	0
75	Nickel and articles thereof	0	0.00	0.00	23	0	0	-14	0
76	Aluminium and articles thereof	37	0.11	0.03	13	23	19	-333	0.1
78	Lead and articles thereof	5	0.02	0.16	19	4	5	-23	0.5
79	Zinc and articles thereof	10	0.03	0.11	11	2	15	-41	0.3
80	Tin and articles thereof	17	0.05	0.48	24	2	9	7	1.5
81	Other base metals, cermets, articles thereof	16	0.05	0.13	17	2	11	10	0.4
82	Tools, implements, cutlery, etc of base metal	97	0.29	0.26	10	28	32	-1	0.8
83	Miscellaneous articles of base metal	51	0.15	0.13	14	21	26	-63	0.4
84	Boilers, machinery; nuclear reactors, etc	987	2.91	0.07	12	176	63	-3,275	0.2
85	Electrical, electronic equipment	1,945	5.73	0.14	13	147	60	-664	0.4
86	Railway, tramway locomotives, rolling stock, equip.	2	0.01	0.01	19	1	2	-9	0
87	Vehicles other than railway, tramway	355	1.05	0.04	13	31	47	-1,157	0.1
88	Aircraft, spacecraft, and parts thereof	13	0.04	0.01	4	6	13	-474	0
89	Ships, boats and other floating structures	4	0.01	0.01	12	7	12	-73	0
90	Optical, photo, technical, medical, etc apparatus	164	0.48	0.05	14	58	34	-336	0.2
91	Clocks and watches and parts thereof	18	0.05	0.07	7	8	11	2	0.2
92	Musical instruments, parts and accessories	7	0.02	0.14	8	7	15	-5	0.4
93	Arms and ammunition, parts and accessories thereof	0	0.00	0.01	8	1	1	-2	0
94	Furniture, lighting, signs, prefabricated buildings	2,032	5.99	1.63	12	32	62	1,938	4.9
95	Toys, games, sports requisites	162	0.48	0.26	9	33	45	133	0.8
96	Miscellaneous manufactured articles	91	0.27	0.48	9	30	42	-105	1.4
97	Works of art, collectors pieces and antiques	6	0.02	0.04	9	5	15	5	0.1
99	Commodities not elsewhere specified	110	0.32	0.05	20	2	14	-291	0.1
	•								

Sumer. UNCTAD/WTO database.

Table A4.3: ASEAN-5's Spearman Rank Correlation Coefficients, 1997 to 2003 INDONESIA

Nonparametric Correlations

Correlations

			RCA03	RCA97
Spearman's rho	RCA03	Correlation Coefficien	1.000	.858*
		Sig. (2-tailed)		.000
		N	247	247
	RCA97	Correlation Coefficien	.858**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

**. Correlation is significant at the .01 level (2-tailed).

Correlations

			RCA03	RCA99
Spearman's rho	RCA03	Correlation Coefficier	1.000	.891*
		Sig. (2-tailed)		.000
		N	247	247
-	RCA99	Correlation Coefficier	.891**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

** Correlation is significant at the .01 level (2-tailed).

Correlations

			RCA03	RCA01
Spearman's rho	RCA03	Correlation Coefficier	1.000	.898*
		Sig. (2-tailed)		.000
		N	247	247
-	RCA01	Correlation Coefficier	.898**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

**. Correlation is significant at the .01 level (2-tailed).

Correlations

		32	RCA03	RCA98
Spearman's rho	RCA03	Correlation Coefficient	1.000	.735*'
		Sig. (2-tailed)		.000
		N	247	247
	RCA98	Correlation Coefficient	735**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

**. Correlation is significant at the .01 level (2-tailed).

Correlations

			RCA03	RCA00
Spearman's rho	RCA03	Correlation Coefficier	1.000	.918*
		Sig. (2-tailed)		.000
		N	247	247
-	RCA00	Correlation Coefficier	.918**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

** Correlation is significant at the .01 level (2-tailed).

Correlations

		RCA03	RCA02
pearman's rhc RCA03	Correlation Coefficie	1.000	.937*
	Sig. (2-tailed)		.000
	N	247	247
RCA02	Correlation Coefficie	.937**	1.000
	Sig. (2-tailed)	.000	
	N	247	247

**. Correlation is significant at the .01 level (2-tailed).

MALAYSIA

Sp

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Nonparametric Correlations

Correlations

			RCA03	RCA97
Spearman's rho	RCA03	Correlation Coefficier	1.000	.873**
		Sig. (2-tailed)		.000
		N	247	247
-	RCA97	Correlation Coefficier	.873**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

**. Correlation is significant at the .01 level (2-tailed).

Correlations

			RCA03	RCA99
Spearman's rho	RCA03	Correlation Coefficien	1.000	.914*
		Sig. (2-tailed)		.000
		N	247	247
	RCA99	Correlation Coefficien	.914**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

**. Correlation is significant at the .01 level (2-tailed).

Correlations

			RCA03	RCA98
pearman's rho	RCA03	Correlation Coefficier	1.000	.783*
		Sig. (2-tailed)	.	.000
		N	247	247
-	RCA98	Correlation Coefficien	.783**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

** Correlation is significant at the .01 level (2-tailed).

Correlations

			RCA03	RCA00
earman's rho	RCA03	Correlation Coefficien	1.000	.930*
		Sig. (2-tailed)		.000
		Ν	247	247
-	RCA00	Correlation Coefficien	.930**	1.000
		Sig. (2-tailed)	.000	
		Ν	247	247

**. Correlation is significant at the .01 level (2-tailed).

Correlations

			RCA03	RCA01
Spearman's rho	RCA03	Correlation Coefficient	1.000	.923*'
		Sig. (2-tailed)		.000
		N	247	247
	RCA01	Correlation Coefficient	.923**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

**. Correlation is significant at the .01 level (2-tailed).

Nonparametric Correlations

Correlations

			RCA03	RCA97
Spearman's rho	RCA03	Correlation Coefficient	1.000	.835**
		Sig. (2-tailed)		.000
		N	247	247
	RCA97	Correlation Coefficient	.835**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

**. Correlation is significant at the .01 level (2-tailed).

Correlations

			RCA03	RCA99
Spearman's rho	RCA03	Correlation Coefficien	1.000	.883*1
		Sig. (2-tailed)		.000
		N	247	247
•	RCA99	Correlation Coefficien	.883**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

**. Correlation is significant at the .01 level (2-tailed).

Correlations

		RCA03	RCA01
Spearman's rhc RCA03	Correlation Coefficie	1.000	.902*
	Sig. (2-tailed)		.000
	N	247	247
RCA01	Correlation Coefficie	.902*	1.000
	Sig. (2-tailed)	.000	
	Ν	247	247

** Correlation is significant at the .01 level (2-tailed).

THAILAND

Nonparametric Correlations

Correlations

í –			RCA03	RCA97
Spearman's rho	RCA03	Correlation Coefficient	1.000	.904*
		Sig. (2-tailed)		.000
		N	247	247
	RCA97	Correlation Coefficient	.904**	1.000
		Sig. (2-tailed)	000	
		N	247	247

**. Correlation is significant at the .01 level (2-tailed).

Correlations

			RCA03	RCA99
Spearman's rho	RCA03	Correlation Coefficien	1.000	.920*
		Sig. (2-tailed)		.000
		N	247	247
	RCA99	Correlation Coefficien	.920**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

** Correlation is significant at the .01 level (2-tailed).

Correlations

			RCA03	RCA02
Spearman's rho	RCA03	Correlation Coefficient	1.000	.956*
].		Sig. (2-tailed)		.000
		N	247	247
	RCA02	Correlation Coefficient	.956**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

**. Correlation is significant at the .01 level (2-tailed).

PHILIPPINES

Correlations

			RCA03	RCA98
Spearman's rho	RCA03	Correlation Coefficient	1.000	.808*
		Sig. (2-tailed)		.000
		N	247	247
	RCA98	Correlation Coefficient	.808**	1.000
		Sig. (2-tailed)	.000	
		Ν	247	247

**. Correlation is significant at the .01 level (2-tailed).

Correlations

			RCA03	RCA00
Spearman's rho	RCA03	Correlation Coefficien	1.000	.903*1
		Sig. (2-tailed)		.000
		N	247	247
·	RCA00	Correlation Coefficien	.903**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

**. Correlation is significant at the .01 level (2-tailed).

Correlations

		RCA03	RCA02
Spearman's rhc RCA03	Correlation Coefficier	1.000	.952*
	Sig. (2-tailed)		.000
	N	247	247
RCA02	Correlation Coefficier	.952**	1.000
	Sig. (2-tailed)	.000	
	N	247	247

**. Correlation is significant at the .01 level (2-tailed).

Correlations RCA98 .804 RCA03 Spearman's rho RCA03 Correlation Coefficie 1.000 Sig. (2-tailed) .000 Ν 247 247 RCA98 Correlation Coefficien 1.000 .804* Sig. (2-tailed) .000 N 247 247

**. Correlation is significant at the .01 level (2-tailed).

Correlations

			RCA03	RCA00
Spearman's rho	RCA03	Correlation Coefficient	1.000	.934*
		Sig. (2-tailed)		.000
		N	247	247
	RCA00	Correlation Coefficient	.934**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

**. Correlation is significant at the .01 level (2-tailed).

Correlation Coefficient	1.000	.820**	Spearman's rho	RCA03	Correla
Sig. (2-tailed)		.000			Sig. (2
N	247	247			N
Correlation Coefficient	• .820**	1.000		RCA00	Correl
Sig. (2-tailed)	.000				Sig. (2
N	247	247			N
int at the .01 level (2-taile			**. Correlation	is signific	ant at th

Correlation is significant

Sig. (2-tailed) .000 N 247 247 RCA01 Correlation Coefficient .878* 1.000 Sig. (2-tailed) .000 Ν 247 247 N 247

RCA01

.878

**. Correlation is significant at the .01 level (2-tailed).

Source: Author's calculations based on UN Comtrade database with output from SPSS.

RCA03

1.000

Correlations

			RCA03	RCA01
Spearman's rho	RCA03	Correlation Coefficien	1.000	.931**
		Sig. (2-tailed)		.000
		N	247	247
	RCA01	Correlation Coefficien	.931**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

** Correlation is significant at the .01 level (2-tailed).

Nonparametric Correlations

Spearman's rho

Spearman's rho RCA03

Correlations

			RCA03	RCA97
Spearman's rho	RCA03	Correlation Coefficien	1.000	.761*
		Sig. (2-tailed)		.000
		N	247	247
	RCA97	Correlation Coefficien	.761**	1.000
		Sig. (2-tailed)	.000	
		N	247	247

** Correlation is significant at the .01 level (2-tailed).

С

RCA03

RCA99

Correlations

Correlations

Correlation Coefficien

				Correlations	
RCA03	RCA99				RCA03
1.000	.820*	Spearman's rho	RCA03	Correlation Coefficient	1.000
	.000			Sig. (2-tailed)	
247	247			N	247
° .820**	1.000		RCA00	Correlation Coefficient	.848
.000				Sig. (2-tailed)	.000

Spearman's rho RCA03

ne .01 level (2-tailed).

** Correlation is significant at the .01 level (2-tailed).

		Correlations		
			RCA03	RCA02
Spearman's rho	RCA03	Correlation Coefficient	1.000	.944*
		Sig. (2-tailed)		,000
		N	247	247
	RCA02	Correlation Coefficient	.944**	1.000
		Sig. (2-tailed)	.000	

Correlations

			Thai2003	Thai2002
Spearman's rho	Thai2003	Correlation Coefficier	1.000	.962**
		Sig. (2-tailed)		.000
		N	23	23
	Thai2002	Correlation Coefficier	.962**	1.000
		Sig. (2-tailed)	.000	
		N	23	23

** Correlation is significant at the 0.01 level (2-tailed).

VIETNAM

Correlations

Correlation Coeffic

Correlation Coefficie

Sig. (2-tailed)

Sig. (2-tailed)

Ν

Ν

**. Correlation is significant at the .01 level (2-tailed).

RCA98

RCA98 .642

.000.

247

1.000

247

RCA00

.848

.000

247

247

247

1.000

RCA03

1.000

247

.642

.000

247

247

.848

.000

247

Table A4.4: ASEAN-5's Spearman Rank Correlation Coefficients between Average Changes in RCA Vectors and World Export Growth, 1997-2001 and 2001-2005

Indonesia

luonoon		Correlations		
			WEG9701	INrca9701
Spearman's rho	WEG9701	Correlation Coefficien	1.000	511*
		Sig. (2-tailed)		.013
		N	23	23
	INrca9701	Correlation Coefficien	511*	1.000
		Sig. (2-tailed)	.013	
		N	23	23

		Correlations		
			WIG0105	INrca0105
Spearman's rho	WIG0105	Correlation Coefficien	t 1.000	.048
		Sig. (2-tailed)		.680
		N	97	97
_	INrca0105	Correlation Coefficien	t .048	1.000
		Sig. (2-tailed)	.680	
		N	97	97

* Correlation is significant at the 0.05 level (2-tailed).

Malaysia

		Correlations		
			WEG9701	MArca9701
Spearman's rho	WEG9701	Correlation Coefficier	1.000	015
		Sig. (2-tailed)		.946
		N	23	23
-	MArca9701	Correlation Coefficier	015	1.000
		Sig. (2-tailed)	.946	.
		Ν	23	23

		Correlations			
			V	VIG0105	MArca0105
Spearman's rho	WIG0105	Correlation Coefficie	ht	1.000	.198
		Sig. (2-tailed)			.026
		N		97	97
	MArca0105	Correlation Coefficient	nt	.198	1.000
		Sig. (2-tailed)		.026	
		N		97	97

* Correlation is significant at the 0.05 level (2-tailed).

Philippines

	Correlations						
¢		WEG9701	PHIrca9701	•		WIG0105	PHIrca010
Spearman's rho WEG9701	Correlation Coefficie	1.000	149	Spearman's rho WIG0105	Correlation Coefficie	nt 1.000	.048
	Sig. (2-tailed)		.498		Sig. (2-tailed)		.275
	N	23	23		N	97	97
PHirca970	1 Correlation Coefficie	149	1.000	PHIrca0105	Correlation Coefficie	nt .048	1.000
	Sig. (2-tailed)	.498			Sig. (2-tailed)	.275	
	N	23	23		N	97	97

Thailand

		Correlations			Correlations							
			WEG9701	THArca9701				WIG0105	TLrca0105			
Spearman's rhc	WEG9701	Correlation Coefficie	1.000	389	Spearman's rho	WIG0105	Correlation Coefficier	nt 1.000	156			
		Sig. (2-tailed)		.067			Sig. (2-tailed)		.229			
		N	23	23			N	97	97			
-	THArca9701	Correlation Coefficie	- 389	1.000		TLrca0105	Correlation Coefficier	nt156	1.000			
		Sig. (2-tailed)	067				Sig. (2-tailed)	.229				
		N	23	23			Ň	97	97			

Vietnam

	Correlations			Correlations						
	<u> </u>	VNrca9701	WEG9701					WIG0105	VNrca0108	
Spearman's rh VNrca97	0' Correlation Coeffici	1.000	358	Spearn	nan's rho WIG	0105	Correlation Coefficier	nt 1.000	144	
	Sig. (2-tailed)		.093				Sig. (2-tailed)		.086	
	N	23	23				N	97	97	
WEG97	1 Correlation Coeffici	358	1.000		VNrc	a0105	Correlation Coefficie	nt144	1.000	
	Sig. (2-tailed)	.093					Sig. (2-tailed)	.086		
	N	23	23				N	97	97	

Table A4.5: Vietnam 2004's, ASEAN-4's and South Korea's Descriptive Statistics for 16 Product Groups, Selected Years: 80, 85, 90, 94, 97, 99, 01, 03, and 04 (SPSS **Output)**

		Descrip	tive Stati	istics			Descriptive Statistics							
	N	Minimum	Maximum	Mean	td. Deviatio	Variance			N	Minimum	Maximum	Mean	td. Deviation	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483		VN2004	16	.01	6.18	1.1219	1.57574	2.483
INDO80	16	.00	3.58	.6081	1.08254	1.172		INDO90	16	.00	4.16	.9519	1.28688	1.656
Valid N (listwi	16							Valid N (listwi	16					

Ľ

Descriptive Statistics

	N	Minimum	Maximum	Mean	td. Deviatio	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
INDO94	16	.02	3.35	1.0487	1.08873	1.185
Valid N (listwi	16				1	

Descriptive Statistics

	N	Minimum	Maximum	Mean	td. Deviatio	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
INDO97	16	.04	2.80	.8794	.86515	.748
Valid N (listwi	16					

Descriptive Statistics

		Descrip	otive Stati	stics			Descriptive Statistics								
	N	Minimum	Maximum	Mean	td. Deviation	Variance			N	Minimum	Maximum	Mean	td. Deviatio	Variance	
VN2004	16	.01	6.18	1.1219	1.57574	2.483		VN2004	16	.01	6.18	1.1219	1.57574	2.483	
INDO99	16	.06	2.91	1.0450	.98285	.966		INDO01	16	.07	2.52	1.0819	.89409	.799	
Valid N (listwi	16							Valid N (listw	16						

		Descrij	otive Stati	stics					Descri	otive Stati	stics		
	N	Minimum	Maximum	Mean	td. Deviation	Variance		N	Minimum	Maximum	Mean	td. Deviation	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483	VN2004	16	.01	6.18	1.1219	1.57574	2.483
INDO03	16	.07	2.44	1.0575	.83209	.692	INDO04	• 16	.07	2.24	1.0344	.74532	.556
Valid N (listwis	16						Valid N (listwis	16)			

		Descrip	otive Stati	stics					Descrip	otive Stati	stics		
	N	Minimum	Maximum	Mean	td. Deviation	Variance		N	Minimum	Maximum	Mean	td. Deviation	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483	VN2004	16	.01	6.18	1.1219	1.57574	2.483
MALA80	16	.01	11.72	1.4637	2.87036	8.239	MALA90	16	.04	8.38	1.6825	2.10246	4.420
Valid N (listwis	16						Valid N (listwis	16					

	Descriptive Statistics									Descrip	otive Stati	stics		
	N	Minimum	Maximum	Mean	td. Deviation	Variance	1		N	Minimum	Maximum	Mean	td. Deviation	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483		VN2004	16	.01	6.18	1.1219	1.57574	2.483
MALA94	16	.04	5.18	1.5194	1.58348	2.507		MALA97	16	.05	4.79	1.4719	1.42771	2.038
Valid N (listwi	16							Valid N (listwi	16					

	Descriptive Statistics								Descrip	otive Stati	stics		
	N	Minimum	Maximum	Mean	td. Deviation	Variance		N	Minimum	Maximum	Mean	td. Deviation	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483	VN2004	16	.01	6.18	1.1219	1.57574	2.483
MALA99	16	.04	4.81	1.4588	1.44534	2.089	MALA01	16	.03	4.33	1.4263	1.38278	1.912
Valid N (listwis	16						Valid N (listwi	16					

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation	Variance		N	Minimum	Maximum	Mean	td. Deviation	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483	VN2004	16	.01	6.18	1.1219	1.57574	2.483
MALA03	16	.04	5.85	1.5219	1.58323	2.507	MALA04	16	.04	5.17	1.4856	1.44756	2.095
Valid N (listwis	16						Valid N (listwis	16					

		Descrip	ptive Stati	stics			Descriptive Statistics						
	N	Minimum	Maximum	Mean	td. Deviation	Variance		N	Minimum	Maximum	Mean	td. Deviation	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483	VN2004	16	.01	6.18	1.1219	1.57574	2.483
PHI80	16	.01	4.97	1.1506	1.48634	2.209	PHI90	16	.03	9.67	1.8638	2.64863	7.015
Valid N (listwis	16						Valid N (listwi	16					

Descriptive Statistics

Descriptive Statistics

	N	Minimum	Maximum	Mean	6td. Deviation	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
PHI94	16	.10	5.05	1.2488	1.39026	1.933
Valid N (listwi	s 16					

Descriptive Statistics

	N	Minimum	Maximum	Mean	6td. Deviation	Variance	
VN2004	16	.01	6.18	1.1219	1.57574	2.483	VN2004
PHI99	16	.03	11.00	1.6238	2.80957	7.894	PHI01
Valid N (listwis	16						Valid N (listwi

Descriptive Statistics

	N	Minimum	Maximum	Mean	td. Deviatio	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
PHI03	16	.02	12.00	1.8625	3.08527	9.519
Valid N (listwi	16					

Descriptive Statistics

	N	Minimum	Maximum	Mean	td. Deviatio	Variance	
VN2004	16	.01	6.18	1.1219	1.57574	2.483	VN2004
THAI80	16	.01	4.19	.8831	1.38354	1.914	THAI90
Valid N (listw	16						Valid N (lis

Descriptive Statistics

	N	Minimum	Maximum	Mean	td. Deviation	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
THAI94	16	.10	3.06	1.1744	.94725	.897
Valid N (listwi	16					

Descriptive Statistics

	N	Minimum	Maximum	Mean	td. Deviatio	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
THAI99	16	.09	2.32	1.1500	.77355	.598
Valid N (listw	16					

	Descriptive Statistics									Descrip	tive Stat	istics
	N	Minimum	Maximum	Mean	td. Deviatio	Variance			N	Minimum	Maximum	Mean
VN2004	16	.01	6.18	1.1219	1.57574	2.483		VN2004	16	.01	6.18	1.1219
THAI03	16	.06	2.15	1.1775	.73537	.541		THAI04	16	.00	2.10	1.1625
Valid N (listw	16							Valid N (listw	16			

Descriptive Statistics

	N	Minimum	Maximum	Mean	td. Deviation	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
INDO85	16	.00	6.37	.8862	1.68716	2.847
Valid N (listwi	16					

Descriptive Statistics

	N	Minimum	Maximum	Mean	td. Deviatio	Variance		N	M
VN2004	16	.01	6.18	1.1219	1.57574	2.483	VN2004	16	Г
PHI85	16	.00	6.23	1.4119	1.92496	3.705	THAI85	16	L
Valid N (listw	16						Valid N (listw	16	

Descriptive Statistics

Descriptive Statistics

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.02

Minimum Maximum Mean td. DeviationVariance

1.6319

6.18 1.1219

iance		N	Minimum	Maximum	Mean	td. Deviatio	Variance
.483	VN2004	16	.01	6.18	1.1219	1.57574	2.483
.705	THAI85	16	.00	4.45	1.0675	1.60799	2.586
	Valid N (listw	16					

Descriptive Statistics

	N	Minimum	Maximum	Mean	td. Deviation	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
THAI01	16	.09	2.16	1.1481	.72978	.533
Valid N (listwi	16					

1.1713 .12 2.39

6.18

Descriptive Statistics

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VN2004

MALA85

Valid N (list

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VN2004

THAI97

Valid N (lis

VN2004

PH197

Valid N (listv

Minimum MaximumMeanId. Deviation Variance.016.181.12191.575742.483

1.7087

1.6419

Minimum Maximum Mean td. Deviatio Variance

Minimum Maximum Mean itd. Deviatior Variance

1.1219

6.18 1.1219

3.90 1.3125

2.36095

2.45091

1.57574

1.22837

1.57574

.81787

td. DeviatioVariance 1.57574

.67725

1.57574

2.62629

2.483

.459

2.483

6.897

2.483

1.509

2.483

.669

5.574

6.007

Minimum Maximum Mean Ν Std. DeviationVariance1.575742.483 16 1.1219 9.21

9.10

Descriptive	Statistics

	N	Minimum	Maximum	Mean	td. Deviatio	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
PHI04	16	.03	10.66	1.7856	2.78122	7.735
Valid N (listwi	16					

	N	Minimum	Maximum	Mean	td. Deviation	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
KOREA80	16	.05	8.44	2.0463	2.52773	6.389
Valid N (listwi	16					

Descriptive Statistics

	N	Minimum	Maximum	Mean	td. Deviation	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
KOREA85	16	.16	7.05	1.6094	1.82291	3.323
Valid N (listwi	16					

Descriptive Statistics

	Ν	Minimum	Maximum	Mean	td. Deviatio	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
KOREA90	16	.10	4.71	1.5688	1.51224	2.287
Valid N (listw	16					

Descriptive Statistics

	N	Minimum	Maximum	Mean	td. Deviatio	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
KOREA97	16	.14	3.74	1.2625	1.06177	1.127
Valid N (listw	16					

Descriptive Statistics

	N	Minimum	Maximum	Mean	td. Deviatio	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
KOREA94	16	.17	3.95	1.3581	1.19103	1.419
Valid N (listw	16					

Descriptive Statistics

	N	Minimum	faximum	Mean	td. Deviatio	ariance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
KOREA99	16	.11	3.58	1.3019	1.00333	1.007
Valid N (listw	16	1				

Descriptive Statistics

	N	Minimum	Maximum	Mean	td. Deviatio	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
KOREA01	16	.10	3.06	1.2813	.87839	.772
Valid N (listwi	16]	

Descriptive Statistics

	N	Minimum	Maximum	Mean	td. Deviatio	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
KOREA03	16	.07	3.41	1.3481	1.04339	1.089
Valid N (listw	16				1	

Descriptive Statistics

	N	Minimum	Maximum	Mean	td. Deviation	Variance
VN2004	16	.01	6.18	1.1219	1.57574	2.483
KOREA04	16	.07	3.46	1.3238	1.02757	1.056
Valid N (listwi	16					

Table A6.1: ASEAN-5's Spearman Rank Correlation Coefficients between RCA Indices for 23 Selected Product Groups, 1997-2003 (SPSS Output)

Correlations							
			INFO97	VNFO97			
Spearman's rho	INFO97	Correlation Coefficient	1.000	357			
		Sig. (1-tailed)		.216			
		N	7	7			
	VNFO97	Correlation Coefficient	357	1.000			
		Sig. (1-tailed)	.216				
		N	7	7			

		Correlations		
			INRAW97	VNRAW97
Spearman's rho	INRAW97	Correlation Coefficient	1.000	.750
		Sig. (2-tailed)		.052
		N	7	7
	VNRAW97	Correlation Coefficient	.750	1.000
		Sig. (2-tailed)	.052	
		Ν	7	7

		Correlations		
			IN3IN97	VN3IN97
Spearman's rho	IN3IN97	Correlation Coefficient	1.000	.679
	Sig. (2-tailed)			.094
		N	7	7
	VN3IN97	Correlation Coefficient	.679	1.000
		Sig. (2-tailed)	.094	
		N	7	7

Correlations INDO04 1.000 Spearman's rho INDO04 Correlation Coefficient Sig. (2-tailed) 7

Correlation Coefficient

Sig. (2-tailed)

Ν

Ν

VN04

VN04 .750

.052

1.000

.750

.052

7

7

7

C	
Correlations	

			INDO05	VN05
Spearman's rho	INDO05	Correlation Coefficient	1.000	546
		Sig. (2-tailed)		.205
		N	7	. 7
	VN05	Correlation Coefficient	546	1.000
		Sig. (2-tailed)	.205	
		N	7	7

		Correlations		
			INDO06	VN06
Spearman's rho	INDO06	Correlation Coefficient	1.000	193
		Sig. (2-tailed)		.679
		N	7	7
	VN06	Correlation Coefficient	193	1.000
		Sig. (2-tailed)	.679	
		N	7	7

		Correlations			
			INDO07	VN07	
Spearman's rho	INDO07	Correlation Coefficient	1.000	.000	
		Sig. (2-tailed)		1.000	
		N	7	7	
	VN07	Correlation Coefficient	.000	1.000	
		Sig. (2-tailed)	1.000		
		N	7	7	Ĺ

		Correlations		
			INDO08	VN08
pearman's rho	INDO08	Correlation Coefficient	1.000	.468
		Sig. (2-tailed)		.290
		N	7	7
	VN08	Correlation Coefficient	.468	1.000
		Sig. (2-tailed)	.290	
		N	7	7

Correlations				Correlations					
			INDO09	VN09				INDO10	VN10
Spearman's rho	INDO09	Correlation Coefficient	1.000	.234	Spearman's rho	INDO10	Correlation Coefficient	1.000	214
		Sig. (2-tailed)	•	.613			Sig. (2-tailed)		.645
		N	7	7			N	7	7
	VN09	Correlation Coefficient	.234	1.000		VN10	Correlation Coefficient	214	1.000
		Sig. (2-tailed)	.613				Sig. (2-tailed)	.645	
		N	7	7			N	7	7

Correlations

			INDO11	VN11
Spearman's rho	INDO11	Correlation Coefficient	1.000	162
		Sig. (2-tailed)		.728
		N	7	7
	VN11	Correlation Coefficient	162	1.000
		Sig. (2-tailed)	.728	
		N	7	7

			INDO12	VN12
Spearman's rho	INDO12	Correlation Coefficient	1.000	734
		Sig. (2-tailed)		.060
		N	7	7
	VN12	Correlation Coefficient	734	1.000
		Sig. (2-tailed)	.060	
		N	7	7

Correlations

Correlations

			INDO13	VN13
Spearman's rho	INDO13	Correlation Coefficient	1.000	.962**
		Sig. (2-tailed)		.001
		Ν	7	7
	VN13	Correlation Coefficient	.962**	1.000
		Sig. (2-tailed)	.001	
		Ν	7	7

**. Correlation is significant at the .01 level (2-tailed).

Correlations

		INDO14	VN14
INDO14	Correlation Coefficient	1.000	018
	Sig. (2-tailed)		.969
	N	7	7
VN14	Correlation Coefficient	018	1.000
	Sig. (2-tailed)	.969	2
	N	7	7
	INDO14 VN14	INDO14 Correlation Coefficient Sig. (2-tailed) N VN14 Correlation Coefficient Sig. (2-tailed) N	INDO14 Correlation Coefficient 1.000 Sig. (2-tailed) . N 77 VN14 Correlation Coefficient018 Sig. (2-tailed) .969 N 77

Correlations

			INDO15	VN15
Spearman's rho	INDO15	Correlation Coefficient	1.000	.703
		Sig. (2-tailed)		.078
		N	7	7
	VN15	Correlation Coefficient	.703	1.000
		Sig. (2-tailed)	.078	
		N	7	7

Correlations

			INDO17	VN17
Spearman's rho	INDO17	Correlation Coefficient	1.000	.143
		Sig. (2-tailed)	·	.760
		Ν	7	7
	VN17	Correlation Coefficient	.143	1.000
		Sig. (2-tailed)	.760	
		N	7	7

Correlations

Correlation Coeffici

Correlation Coefficien

Sig. (2-tailed)

Sig. (2-tailed)

Ν

Ν

Spearman's rho INDO19

VN19

INDO19 1.000

7

-.703

.078

7

VN19 -.703

.078

1.000

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S

Spearman's rho

INDO22

VN22

		Correlations				
INDO16 VN16						
Spearman's rho	INDO16	Correlation Coefficient	1.000	596		
		Sig. (2-tailed)		.158		
		Ν	7	7		
	VN16	Correlation Coefficient	596	1.000		
		Sig. (2-tailed)	.158			
		N	7	7		

Correlations

			INDO18	VN18
Spearman's rho	INDO18	Correlation Coefficient	1.000	.857*
		Sig. (2-tailed)		.014
		N	7	7
	VN18	Correlation Coefficient	.857*	1.000
		Sig. (2-tailed)	.014	
		N		~

*- Correlation is significant at the .05 level (2-tailed).

Correlations

			INDO20	VN20
pearman's rho	INDO20	Correlation Coefficient	1.000	500
		Sig. (2-tailed)		.253
		Ν ·	7	7
	VN20	Correlation Coefficient	500	1.000
		Sig. (2-tailed)	.253	
		N	7	7

Correlations

Correlation Coeffic Sig. (2-tailed)

Correlation Coefficient

Sig. (2-tailed)

Ν

N

INDO22 1.000

7

-.593

.161

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VN22 -.593

.161

1.000

7

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Correlations

			INDO20	VN20
Spearman's rho	INDO20	Correlation Coefficient	1.000	500
		Sig. (2-tailed)		.253
		N	7	7
	VN20	Correlation Coefficient	500	1.000
		Sig. (2-tailed)	.253	
		N	7	7

Correlations

			INDO23	VN23
Spearman's rho	INDO23	Correlation Coefficient	1.000	.827*
		Sig. (2-tailed)		.022
		N	7	7
	VN23	Correlation Coefficient	.827*	1.000
		Sig. (2-tailed)	.022	
		N	7	7

* Correlation is significant at the .05 level (2-tailed).

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Correlations

			MALAY02	VN02
Spearman's rho	MALAY02	Correlation Coefficient	1.000	.179
		Sig. (2-tailed)		.702
		Ν	7	7
	VN02	Correlation Coefficient	.179	1.000
		Sig. (2-tailed)	.702	
		N	7	7
		τ.		

Correlations							
			MALAY03	VN03			
Spearman's rho	MALAY03	Correlation Coefficient	1.000	541			
		Sig. (2-tailed)		.210			
		Ν	7	7			
	VN03	Correlation Coefficient	541	1.000			
		Sig. (2-tailed)	.210				
		N	7	7			

Correlations

			MALAY04	VN04
Spearman's rho	MALAY04	Correlation Coefficient	1.000	.214
		Sig. (2-tailed)	· ·	.645
		N	7	7
	VN04	Correlation Coefficient	.214	1.000
		Sig. (2-tailed)	.645	
		N	7	7

			MALAY05	VN05
Spearman's rho	MALAY05	Correlation Coefficient	1.000	.537
		Sig. (2-tailed)	1 2	.214
		N	7	7
	VN05	Correlation Coefficient	.537	1.000
		Sig. (2-tailed)	.214	
		N	7	7

Correlations

Correlations

MALAY01 1.000 VN01 Spearman's rho MALAY01 Correlation Coefficie .107 Sig. (2-tailed) .819 Ν 7 7 VN01 Correlation Coefficien .107 1.000 Sig. (2-tailed) .819

Ν
-			MALAY06	VN06
Spearman's rho	MALAY06	Correlation Coefficient	1.000	.312
		Sig. (2-tailed)		.496
		Ν	7	7
	VN06	Correlation Coefficient	.312	1.000
		Sig. (2-tailed)	.496	
		N	7	7

Correlations

Correlation Coefficient

Spearman's rho MALAY08 Correlation Coefficient Sig. (2-tailed)

VN08

Ν

Ν

MALAY08 1.000

7

.743

.056

7

VN08 .743

.056

1.000

7

7

Correlations

			MALAY07	VN07
Spearman's rho	MALAY07	Correlation Coefficient	1.000	.825*
		Sig. (2-tailed)		.022
		N	7	7
	VN07	Correlation Coefficient	.825*	1.000
		Sig. (2-tailed)	.022	
	_	N	7	7
* Correlation is	s significant a	at the .05 level (2-tailed).		

Correlations

			MALAY09	VN09
Spearman's rho	MALAY09	Correlation Coefficient	1.000	.334
		Sig. (2-tailed)	· .	.465
		N	7	7
	VN09	Correlation Coefficient	.334	1.000
		Sig. (2-tailed)	.465	8
		N	7	7

Correlations

	_		MALAY10	VN10
Spearman's rho	MÄLAY10	Correlation Coefficient	1.000	.071
		Sig. (2-tailed)		.879
		N	7	7
	VN10	Correlation Coefficient	.071	1.000
		Sig. (2-tailed)	.879	
		N		~

			MALAY11	VN11
Spearman's rho	MALAY11	Correlation Coefficient	1.000	.414
		Sig. (2-tailed)		.355
Spearman's rho MALA		N	7	7
	VN11	Correlation Coefficient	.414	1.000
		Sig. (2-tailed)	.355	

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7

Correlations

Correlations

			MALAY13	VN13
Spearman's rho	MALAY13	Correlation Coefficient	1.000	843*
		Sig. (2-tailed)		.017
		N	7	7
	VN13	Correlation Coefficient	843*	1.000
		Sig. (2-tailed)	.017	
	•	<u>N</u> '	7	7

* Correlation is significant at the .05 level (2-tailed).

Correlations

			MALAY15	VN15
Spearman's rho	MALAY15	Correlation Coefficient	1.000	857*
		Sig. (2-tailed)		.014
		N	7	7
	VN15	Correlation Coefficient	857*	1.000
		Sig. (2-tailed)	.014	
		N	7	7

* Correlation is significant at the .05 level (2-tailed).

Correlations

			MALAY17	VN17
Spearman's rho	MALAY17	Correlation Coefficient	1.000	162
		Sig. (2-tailed)		.728
		N	7	7
	VN17	Correlation Coefficient	162	1.000
		Sig. (2-tailed)	.728	
		N	7	7

Sig. (2-tailed)

			MALAY10	VN10
Spearman's rho	MÄLAY10	Correlation Coefficient	1.000	.071
		Sig. (2-tailed)	· .	.879
		N	7	7
	VN10	Correlation Coefficient	.071	1.000
		Sig. (2-tailed)	.879	
		N	7	7

Correlations						
MALAY12 VN12						
Spearman's rho	MALAY12	Correlation Coefficient	1.000	.144		
		Sig. (2-tailed)		.758		
		N	7	7		
	VN12	Correlation Coefficient	.144	1.000		
		Sig. (2-tailed)	.758			
		N	7	7		

Correlations

			MALAY14	VN14
Spearman's rho	MALAY14	Correlation Coefficient	1.000	873*
		Sig. (2-tailed)		.010
		Ν	7	7
	VN14	Correlation Coefficient	873*	1.000
		Sig. (2-tailed)	.010	
		N	7	7

* Correlation is significant at the .05 level (2-tailed).

Correlations

			MALAY16	VN16
Spearman's rho	MALAY16	Correlation Coefficient	1.000	.000
		Sig. (2-tailed)		1.000
		Ν	7	7
	VN16	Correlation Coefficient	.000	1.000
		Sig. (2-tailed)	1.000	45.4
		N	7	7

Correlations

			MALAY18	VN18
Spearman's rho	MALAY18	Correlation Coefficient	1.000	643
		Sig. (2-tailed)		.119
		N	7	7
	VN18	Correlation Coefficient	643	1.000
		Sig. (2-tailed)	.119	
		N	7	7

.

Correlations

			MALAY19	VN19
Spearman's rho	MALAY19	Correlation Coefficient	1.000	321
		Sig. (2-tailed)		.482
		N	7	7
	VN19	Correlation Coefficient	321	1.000
		Sig. (2-tailed)	.482	
		N	7	7

Sig. (2-tailed) N

			MALAY20	VN20
Spearman's rho	MALAY20	Correlation Coefficient	1.000	342
		Sig. (2-tailed)	l .	.452
		N	7	7
	VN20	Correlation Coefficient	342	1.000
		Sig. (2-tailed)	.452	
		N	7	7

Correlations

			MALAY22	VN22
Spearman's rho	MALAY22	Correlation Coefficient	1.000	.250
		Sig. (2-tailed)		.589
		N	7	7
	VN22	Correlation Coefficient	.250	1.000
		Sig. (2-tailed)	.589	
		N	7	7

VN21	Correlation Coefficient Sig. (2-tailed) N	.837* .019 7	1.00ŋ 7
* Correlation is significar	nt at the .05 level (2-tailed).		
	Correlations		

Correlations

Ν

Correlation Coefficie Sig. (2-tailed)

Spearman's rho MALAY21

Spearman's rho PHI04

Spe

MALAY21 1.000

> PHI04 1.000

> > 7

,342

.452

-.953*

.001

7

7

VN04 .342

.45

1.00)

1.000

7

7

VN21 .837*

.019

7

			MALAY23	VN23
arman's rho	MALAY23	Correlation Coefficient	1.000	342
		Sig. (2-tailed)	l .	.452
		N	7	7
	VN23	Correlation Coefficient	342	1.000
		Sig. (2-tailed)	.452	
		N	7	7

Correlations

			PH/01	VN01
Spearman's rho	PHI01	Correlation Coefficient	1.000	.464
		Sig. (2-tailed)]	.294
		N	7	7
	VN01	Correlation Coefficient	.464	1.00)
		Sig. (2-tailed)	.294	
		N	7	7

		Correlations				
PHI02 VN02						
pearman's rho	PHI02	Correlation Coefficient	1.000	.60)		
		Sig. (2-tailed)		.154		
		Ν	7	7		
	VN02	Correlation Coefficient	.604	1.000		
		Sig. (2-tailed)	.154			
		N	7	7		

Correlations

Correlation Coefficient Sig. (2-tailed)

Correlation Coefficient

Sig. (2-tailed)

N

Ν

VN04

VN06

Correlations

			PHI03	VN03
Spearman's rho	PHI03	Correlation Coefficien	1.000	703
		Sig. (2-tailed)		.078
		N	7	7
	VN03	Correlation Coefficient	703	1.000
		Sig. (2-tailed)	.078	
		N	7	7

Correlations					
			PHI05	VN05	
Spearman's rho	PHI05	Correlation Coefficient	1.000	.073	
		Sig. (2-tailed)		.877	
		N	7	7	
	VN05	Correlation Coefficient	.073	1.000	
		Sig. (2-tailed)	.877		
		Ν	7	7	

Correlations

Correlation Coefficie Sig. (2-tailed)

Correlation Coefficient

Sig. (2-tailed)

PHI07 1.000

7

.840*

.018

7

VN07 .840*

.018

1.000

7

7

Correlations Spearman's rho PHI06 Correlation Coefficient 1.000 -.953' Sig. (2-tailed) .001 .001 N 7 7

Correlation Coefficient

Sig. (2-tailed)

N
**• Correlation is significant at the .01 level (2-tailed).

Correlations

			PHI08	VN08
Spearman's rho	PHI08	Correlation Coefficient	1,000	.00)
		Sig. (2-tailed)		1.00)
		N	7	,
	VN08	Correlation Coefficient	.000	1.000
		Sig. (2-tailed)	1.000	
		N	7	7

* Correlation is significant at the .05 level (2-tailed).

Ν

VN07

Spearman's rho PHI07

Correlations

			PHI09	VN09
Spearman's rho	PHI09	Correlation Coefficient	1.00)	126
		Sig. (2-tailed)	21	.788
		N	ីរ	7
	VN09	Correlation Coefficient	126	1.000
		Sig. (2-tailed)	.78}	
		N	,	7

I 1				PHI10	VN10
1	Spearman's rho	PHI10	Correlation Coefficient	1.000	71
L	1		Sig. (2-tailed)		.07
			N	7	7
		VN10	Correlation Coefficient	714	1.00)
			Sig. (2-tailed)	.071	
			N	7	7

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Correlations

			PHI11	VN11
Spearman's rho	PHI11	Correlation Coefficient	1.000	.631
		Sig. (2-tailed)		.129
		Ν	7	7
	VN11	Correlation Coefficient	.631	1.000
		Sig. (2-tailed)	.129	
		N	7	7

Correlations

			PHI13	VN13
Spearman's rho	PHI13	Correlation Coefficient	1.000	.661
		Sig. (2-tailed)		.106
		N	7	7
	VN13	Correlation Coefficient	.661	1.000
		Sig. (2-tailed)	.106	
		Ν	7	7

PHI12 1.000 VN12 Spearman's rho PHI12 Correlation Coefficien .198 Sig. (2-tailed) .670 Ν 7 7 VN12 Correlation Coefficient .198 1.000 Sig. (2-tailed) .670 . 7 Ν 7

Correlations

Correlations

Correlations

Correlation Coefficient Sig. (2-tailed)

Correlation Coefficient

Sig. (2-tailed)

N

N

VN16

Spearman's rho PHI16

			PHI14	VN14
Spearman's rho	PHI14	Correlation Coefficient	1.000	.218
		Sig. (2-tailed)		.638
		N	7	7
	VN14	Correlation Coefficient	.218	1.000
		Sig. (2-tailed)	.638	
		Ν	7	7

PHI16 1.000

7

-.528

.223

7

VN16 -.528

.223

1.000

7

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Correlations

			PHI15	VN15
Spearman's rho	PHI15	Correlation Coefficient	1.000	775*
		Sig. (2-tailed)		.041
		N	7	7
	VN15	Correlation Coefficient	775*	1.000
		Sig. (2-tailed)	.041	
		N	7	

* Correlation is significant at the .05 level (2-tailed).

. Correlations

			PHI17	VN17
Spearman's rho	PHI17	Correlation Coefficient	1.000	252
		Sig. (2-tailed)		.585
		N	7	7
	VN17	Correlation Coefficient	252	1.000
		Sig. (2-tailed)	.585	
		Ν	7	7

Correlations

			PHI19	VN19
Spearman's rho	PHI19	Correlation Coefficient	1.000	179
		Sig. (2-tailed)		.702
		Ν	7	7
	VN19	Correlation Coefficient	179	1.000
		Sig. (2-tailed)	.702	
		N	7	7

Correlations

Correlation Coefficie

Correlation Coefficient

Sig. (2-tailed)

Sig. (2-tailed)

Ν

Ν

VN21

Spearman's rho PHI21

PHI21

Correlations					
			PHI18	VN18	
Spearman's rho	PHI18	Correlation Coefficient	1.000	667	
		Sig. (2-tailed)		.102	
	•	N	7	7	
	VN18	Correlation Coefficient	667	1.000	
		Sig. (2-tailed)	.102		
		N	7	7	

PHI20 1.000 VN20 Spearman's rho PHI20 Correlation Coefficie -.357 Sig. (2-tailed) .432 Ν 7 7 VN20 Correlation Coefficient -.357 1.000 Sig. (2-tailed) .432 Ν 7 7

Correlations VN21 PHI22 VN22 Spearman's rho PHI22 Correlation Coefficient 1.000 .213 1.000 .649 Sig. (2-tailed) .647 .115 7 Ν 7 7 7 VN22 Correlation Coefficient .213 1.000 .649 1.000 Sig. (2-tailed) .647 .115 7 7 7 Ν 7

Correlations

			PHI22	VN22
Spearman's rho	PHI22	Correlation Coefficient	1.000	.649
		Sig. (2-tailed)		.115
		N	7	7
	VN22	Correlation Coefficient	.649	1.000
		Sig. (2-tailed)	.115	
		N	7	7

Correlations					
			vn01	thai01	
Spearman's rho	vn01	Correlation Coefficient	1.000	.571	
		Sig. (2-tailed)		.180	
1		N	7	7	
	thai01	Correlation Coefficient	.571	1.000	
		Sig. (2-tailed)	.180		
		N	7	7	

			vn02	thai02
Spearman's rho	vn02	Correlation Coefficient	1.000	.857*
		Sig. (2-tailed)		.014
		N	7	7
	thai02	Correlation Coefficient	.857*	1.000
		Sig. (2-tailed)	.014	
		N	7	7

* Correlation is significant at the 0.05 level (2-tailed).

Correlations

			vn04	thai04
Spearman's rho	vn04	Correlation Coefficient	1.000	.036
		Sig. (2-tailed)		.939
		N	7	7
	thai04	Correlation Coefficient	.036	1.000
		Sig. (2-tailed)	.939	
		N	7	7

			vn03	thai03
Spearman's rho	vn03	Correlation Coefficient	1.000	.071
		Sig. (2-talled)		.879
		N	7	7
	thai03	Correlation Coefficient	.071	1.000
		Sig. (2-tailed)	.879	
		N	7	7

Correlations

Correlations

vn05 1.000 thai05 -.346 Spearman's rho vn05 Correlation Coefficie Sig. (2-tailed) .448 Ν 7 7 thai05 Correlation Coefficient -.346 1.000 Sig. (2-tailed) .448 N 7 7

Correlations

			vn06	thai06
Spearman's rho	vn06	Correlation Coefficient	1.000	.691
		Sig. (2-tailed)		.086
		N	7	7
	thai06	Correlation Coefficient	.691	1.000
		Sig. (2-tailed)	.086	
		N	7	7

Correlations

Correlation Coefficien

Correlation Coefficient

Sig. (2-tailed)

Sig. (2-tailed)

Ν

Ν

thai08

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Spearman's rho vn08

Spearman's rho vn12

vn08

1.000

7

7

.633

.127

vn12

1.000

-.455

.306

7

7

7

thai08 .633

.127

1.000

7

7

.109

.816

7

7

-			vn07	thai07
Spearman's rho	vn07	Correlation Coefficient	1.000	.809*
		Sig. (2-tailed)		.028
		N	7	7
	thai07	Correlation Coefficient	.809*	1.000
		Sig. (2-tailed)	.028	
		N	7	7
* Correlation is	s significa	int at the 0.05 level (2-taile	∋d).	

Correlations

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Correlations

			vn09	thai09
Spearman's rho	vn09	Correlation Coefficient	1.000	.179
1		Sig. (2-tailed)		.702
		N	7	7
	thai09	Correlation Coefficient	.179	1.000
1		Sig. (2-tailed)	.702	
		N	7	7

Correlations

			vn10	thai10
Spearman's rho	vn10	Correlation Coefficient	1.000	.393
		Sig. (2-tailed)		.383
		Ν	7	• 7
	thai10	Correlation Coefficient	.393	1.000
		Sig. (2-tailed)	.383	
		N	7	7

Correlations

Correlation Coefficier

Correlation Coefficient

Sig. (2-tailed)

Sig. (2-tailed)

Ν

Ν

Ν

thai12

Correlations					
			vn11	thai11	
pearman's rho	vn11	Correlation Coefficient	1.000	.847*	
		Sig. (2-tailed)		.016	
		N	7	7	
	thai11	Correlation Coefficient	.847*	1.000	
		Sig. (2-tailed)	.016		
		N	7	7	

* Correlation is significant at the 0.05 level (2-tailed).

			Correlations		
thai12				vn13	thai13
455	Spearman's rho	vn13	Correlation Coefficient	1.000	.945
.306			Sig. (2-tailed)		.001
7			Ν	7	7
1.000		thai13	Correlation Coefficien	.945**	1.000
			Sig. (2-tailed)	.001	
7			N	h 7	7

** Correlation is significant at the 0.01 level (2-tailed).

Correlations vn14 1.000 thai14 Correlation Coefficien Spearman's rho vn14 Sig. (2-tailed) N 7 thai14 Correlation Coefficient 1.000 .109 Sig. (2-tailed) .816

		Correlations		
			vn15	thai15
Spearman's rho	vn15	Correlation Coefficient	1.00)	46
		Sig. (2-tailed)		.29
		N .	÷.,	
	thai15	Correlation Coefficient	- 464	1.00

Sig. (2-tailed)

Ν

.294

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			vn16	thai16
Spearman's rho	vn16	Correlation Coefficient	1.000	.119
		Sig. (2-tailed)		.799
		N	7	7
	thai16	Correlation Coefficient	.119	1.000
		Sig. (2-tailed)	.799	
		Ν	7	7

Correlations

			vn18	thai18
Spearman's rho	vn18	Correlation Coefficient	1.000	450
•		Sig. (2-tailed)		.310
		N	7	7
	thai18	Correlation Coefficient	450	1.000
		Sig. (2-tailed)	.310	
		N	7	7

Correlations thai17 .286 vn17 1.000 Spearman's rho vn17 Correlation Coefficient Sig. (2-tailed) .535 N 7 7 thai17 Correlation Coefficient 1.000 .286 Sig. (2-tailed) .535 7 . 7

Correlations

			vn19	thai19
Spearman's rho	vn19	Correlation Coefficient	1.000	306
		Sig. (2-tailed)		.504
		N	7	7
	thai19	Correlation Coefficient	306	1.000
		Sig. (2-tailed)	.504	
		N	7	7

Correlations

			vn20	thai20
Spearman's rho	vn20	Correlation Coefficient	1.000	500
		Sig. (2-tailed)		.253
	_	N	7	7
	thai20	Correlation Coefficient	- 500	1.000
		Sig. (2-tailed)	.253	
		N	7	7

Correlations

			vn21	thai21
Spearman's rho	vn21	Correlation Coefficient	1.000	-,046
		Sig. (2-tailed)	· .	.921
		N	7	7
	thai21	Correlation Coefficient	046	1.000
		Sig. (2-tailed)	.921	
		N	7	7

Correlations

			vn22	thai22
Spearman's rho	vn22	Correlation Coefficient	1.000	.357
		Sig. (2-tailed)		.432
		N	7	7
	thai22	Correlation Coefficient	.357	1.000
		Sig. (2-tailed)	.432	
		N ·	7	7

			vn23	thai23
Spearman's rho	vn23	Correlation Coefficient	1.000	119
		Sig. (2-tailed)		.799
		N	7	7
	thai23	Correlation Coefficient	119	1,000
		Sig. (2-tailed)	.799	
		N	7	7

Table A6.2: Spearman Rank Correlation Coefficients Between Vietnam 2004's RCA for the Manufacturing Sector and those of South Korea and the ASEAN-4 for Selected Years (SPSS Output)

			VN2004	INDO80
Spearman's rho	VN2004	Correlation Coefficient	1.000	.172
		Sig. (2-tailed)		.592
		N	12	12
	INDO80	Correlation Coefficient	.172	1.000
		Sig. (2-tailed)	.592	
		N	12	12

Correlations

Correlations					
VN2004 MALA80					
Spearman's rho	VN2004	Correlation Coefficient	1.000	.358	
		Sig. (2-tailed)		.253	
		N	12	12	
	MALA80	Correlation Coefficient	.358	1.000	
		Sig. (2-tailed)	.253		
		N	12	12	

Correlations

Correlations					
VN2004 PHI04					
Spearman's rho	VN2004	Correlation Coefficient	1.000	.510	
		Sig. (2-tailed)		.090	
		N	12	12	
	PHI04	Correlation Coefficient	.510	1.000	
		Sig. (2-tailed)	.090		
		N	12	12	

			VN2004	THAI80
pearman's rho	VN2004	Correlation Coefficient	1.000	.487
		Sig. (2-tailed)		.108
		N	12	12
	THAI80	Correlation Coefficient	.487	1.000
		Sig. (2-tailed)	.108	
		N	12	12

Correlations

			VN2004	INDO85
Spearman's rho	VN2004	Correlation Coefficient	1.000	.379
		Sig. (2-tailed)		.224
		N	· 12	12
	INDO85	Correlation Coefficient	.379	1.000
		Sig. (2-tailed)	.224	
		N	12	12

Correlations				
			VN2004	MALA85
Spearman's rho	VN2004	Correlation Coefficient	1.000	.301
		Sig. (2-tailed)		.342
		N	12	12
	MALA85	Correlation Coefficient	.301	1.000
		Sig. (2-tailed)	.342	
		N	12	12ء

Correlations

VN2004 PHI85 Spearman's rho VN2004 Correlation Coefficie 1.000 .364 Sig. (2-tailed) .245 Ν 12 12 PHI85 Correlation Coefficien .364 1.000 .245 Sig. (2-tailed) Ν 12 12

Correlations

Correlation Coe

Correlation Coeffic

Sig. (2-tailed)

Sig. (2-tailed)

Ν

Ν

VN2004

INDO90

Spearman's rho

VN2004 INDO90 1.000 .466

12

.466

.127

12

.127

1.000

12

12

			VN2004	THAI85
Spearman's rho	VN2004	Correlation Coefficient	1.000	.729*
		Sig. (2-tailed)		.007
		N	12	12
	THAI85	Correlation Coefficient	.729**	1.000
		Sig. (2-tailed)	.007	
		N	12	12

Correlations

**. Correlation is significant at the .01 level (2-tailed).

MALA90 .441 VN2004 Spearman's rho VN2004 Correlation Coeffi 1.000 Sig. (2-tailed) .152 Ν 12 12 MALA90 Correlation Coefficie .441 1.000 Sig. (2-tailed) .152 N 12 12

Correlations

			VN2004	PHI90
Spearman's rho	VN2004	Correlation Coefficient	1.000	.538
		Sig. (2-tailed)		.071
		N	12	12
	PHI90	Correlation Coefficient	.538	1.000
		Sig. (2-tailed)	.071	
		N	12	12

Correlations

			VN2004	THAI90	
Spearman's rho	VN2004	Correlation Coefficient	1.000	.657*	
		Sig. (2-tailed)		.020	
		N	12	12	
	THAI90	Correlation Coefficient	.657*	1.000	
		Sig. (2-tailed)	.020		
		N	12	12	
* Completing is significant at the OE level (2 tailed)					

Correlations

is significant at the .05 level (2-tailed).

Correlations

VN2004 MALA94 1.000 .378

12

.378

.226

12

.226

1.000

12

12

	VN2004	INDO94			
Correlation Coefficient	1.000	.769**	Spearman's rho	VN2004	Correlation Coefficient
Sig. (2-tailed)		.003			Sig. (2-tailed)
N	12	12			N
Correlation Coefficient	.769**	1.000		MALA94	Correlation Coefficient
Sig. (2-tailed)	.003				Sig. (2-tailed)
N	12	12			N

Ν **. Correlation is significant at the .01 level (2-tailed).

VN2004

INDO94

Spearman's rho

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			VN2004	PHI94
Spearman's rho	VN2004	Correlation Coefficient	1.000	.606*
		Sig. (2-tailed)		.037
		N	12	12
	PHI94	Correlation Coefficient	.606*	1.000
		Sig. (2-tailed)	.037	
		N	12	12

*- Correlation is significant at the .05 level (2-tailed).

Correlations

			VN2004	INDO97
Spearman's rho	VN2004	Correlation Coefficient	1.000	.811*1
		Sig. (2-tailed)		.001
		N	12	12
	INDO97	Correlation Coefficient	.811**	1.000
		Sig. (2-tailed)	.001	
		N	12	12

**. Correlation is significant at the .01 level (2-tailed).

Correlations

			VN2004	PHI97
Spearman's rho	VN2004	Correlation Coefficient	1.000	.452
		Sig. (2-tailed)		.140
		N	12	12
	PHI97	Correlation Coefficient	.452	1.000
		Sig. (2-tailed)	.140	
		N	12	12

Correlations							
		VN2004	IN	IDO99			
VN2004	Correlation Coefficient	1.000		.743*'			
	Sig. (2-tailed)			.006			
	N	12		12			
INDO99	Correlation Coefficient	.743*	•	1.000			
	Sig. (2-tailed)	.006			-		
	N [·]	12		12	ī		
significar	nt at the .01 level (2-tailed).			i L		
PHI99	Correlation Coefficie	ent .4	90	1.00	0		
	Sig. (2-tailed)	.1	06				
	N		12	1	2		
	VN2004 INDO99 significar PHI99	Correlations VN2004 Correlation Coefficient Sig. (2-tailed) N INDO99 Correlation Coefficient Sig. (2-tailed) N significant at the .01 level (2-tailed PHI99 Correlation Coefficie Sig. (2-tailed) N	VN2004 VN2004 VN2004 Correlation Coefficient Sig. (2-tailed) 1.000 N 12 INDO99 Correlation Coefficient Sig. (2-tailed) .743* N 12 significant at the .01 level (2-tailed). 12 PHI99 Correlation Coefficient Sig. (2-tailed) .4 N 12 N 12	VN2004 VN2004 IN N 12 1.000 N 12 1.000 INDO99 Correlation Coefficient .743** Sig. (2-tailed) .006 . N 12 . significant at the .01 level (2-tailed). . . PHI99 Correlation Coefficient .490 Sig. (2-tailed) .106 . N .12 .	VN2004 INDO99 VN2004 Correlation Coefficient Sig. (2-tailed) 1.000 .743** N 12 12 INDO99 Correlation Coefficient Sig. (2-tailed) .006 .006 N 12 12 Sig. (2-tailed) .006 .006 .006 N 12 12 12 significant at the .01 level (2-tailed). .006 .006 .006 PHI99 Correlation Coefficient Sig. (2-tailed) .106 .006 N 12 1 1.000		

Correlations

Correlation Coefficie

Correlation Coefficient

Sig. (2-tailed)

Sig. (2-tailed)

VN2004 INDO01 1.000 .858

12

.858*

.000

12

.000

1.000

12

12

Correlations

			VN2004	THAI94
Spearman's rho	VN2004	Correlation Coefficient	1.000	.726**
		Sig. (2-tailed)		.007
		N	12	12
	THAI94	Correlation Coefficient	.726**	1.000
		Sig. (2-tailed)	.007	
		N	12	12

** Correlation is significant at the .01 level (2-tailed).

Correlations

			VN2004	MALA97
Spearman's rho	VN2004	Correlation Coefficient	1.000	.378
		Sig. (2-tailed)		.226
		N	12	12
	MALA97	Correlation Coefficient	.378	1.000
		Sig. (2-tailed)	.226	
		N	12	12

Correlations

			VN2004	THAI97
Spearman's rho	VN2004	Correlation Coefficient	1.000	.699*
		Sig. (2-tailed)		.011
		N	12	12
	THAI97	Correlation Coefficient	.699*	1.000
		Sig. (2-tailed)	.011	
		N	12	12

* Correlation is significant at the .05 level (2-tailed).

Correlations

			VN2004	MAL	.A99
Spearman's rho	VN2004	Correlation Coefficient	1.000	•	.399
		Sig. (2-tailed)			.199

Correlations

			VN2004	THAI99
Spearman's rho	VN2004	Correlation Coefficient	1.000	.657*
		Sig. (2-tailed)		.020
		N	12	12
	THAI99	Correlation Coefficient	.657*	1.000
		Sig. (2-tailed)	.020	
		N	12	12

*- Correlation is significant at the .05 level (2-tailed).

VN2004 1.000 MALA01 .399 an's rho VN2004 Correlation Coefficie Sig. (2-tailed) .199 Ν 12 12 MALA01 Correlation Coefficient .399 1.000 Sig. (2-tailed) .199 N 12 12

N **· Correlation is significant at the .01 level (2-tailed).

INDO01

Ν

Spearman's rho VN2004

Correlations

			VN2004	PHI01
Spearman's rho	VN2004	Correlation Coefficient	1.000	.476
		Sig. (2-tailed)		.118
		N	12	12
	PHI01	Correlation Coefficient	.476	1.000
		Sig. (2-tailed)	.118	
		N	12	12

		Correlations		
			VN2004	THAI01
Spearman's rho	VN2004	Correlation Coefficient	1.000	.692*
		Sig. (2-tailed)		.013
		N	12	12
	THAI01	Correlation Coefficient	.692*	1.000
		Sig. (2-tailed)	.013	
		N	12	12

* Correlation is significant at the .05 level (2-tailed).

Correlations

			VN2004	MALA03
Spearman's rho	VN2004	Correlation Coefficient	1.000	.305
		Sig. (2-tailed)		.336
		N	12	12
	MALA03	Correlation Coefficient	.305	1.000
l i		Sig. (2-tailed)	.336	
		N	12	12

Correlations

			VN2004	INDO03
Spearman's rho	VN2004	Correlation Coefficient	1.000	.860*
		Sig. (2-tailed)		.000
		N	12	12
	INDO03	Correlation Coefficient	.860**	1.000
		Sig. (2-tailed)	.000	
		N	12	12

**. Correlation is significant at the .01 level (2-tailed).

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			VN2004	PHI03
Spearman's rho	VN2004	Correlation Coefficient	1.000	.490
		Sig. (2-tailed)		.106
		N	12	12
	PHI03	Correlation Coefficient	.490	1.000
		Sig. (2-tailed)	.106	
		Ν	12	12

Correlations

			VN2004	KOREA80
Spearman's rho	VN2004	Correlation Coefficient	1.000	.671*
		Sig. (2-tailed)		.017
		N	12	12
	KOREA80	Correlation Coefficient	.671*	1.000
		Sig. (2-tailed)	.017	
		Ν	12	12

* Correlation is significant at the .05 level (2-tailed).

Correlations

			VN2004	THAI03
Spearman's rho	VN2004	Correlation Coefficient	1.000	.497
		Sig. (2-tailed)		.101
		N	12	12
	THAI03	Correlation Coefficient	.497	1.000
		Sig. (2-tailed)	.101	
		N	12	12

Correlations

			VN2004	KOREA85
Spearman's rho	VN2004	Correlation Coefficient	1.000	.601*
	•	Sig. (2-tailed)		.039
		N	12	12
· ,	KOREA85	Correlation Coefficient	.601*	1.000
		Sig. (2-tailed)	.039	
		Ν	12	12

* Correlation is significant at the .05 level (2-tailed).

Correlations

			VN2004	KOREA90
Spearman's rho	VN2004	Correlation Coefficient	1.000	.545
		Sig. (2-tailed)		.067
		N	12	12
	KOREA90	Correlation Coefficient	.545	1.000
		Sig. (2-tailed)	.067	
		Ν	12	12

			VN2004	KOREA94
Spearman's rho	VN2004	Correlation Coefficient	1.000	.469
		Sig. (2-tailed)		.124
		N	12	12
	KOREA94	Correlation Coefficient	.469	1.000
		Sig. (2-tailed)	.124	S.
		N	12	12

Correlations

Correlations						
		0	VN2004	KOREA97		
Spearman's rho	VN2004	Correlation Coefficient	1.000	.252		
		Sig. (2-tailed)		.430		
		N	12	12		
	KOREA97	Correlation Coefficient	.252	1.000		
		Sig. (2-tailed)	.430			
		N	12	12		

Correlations						
			VN2004	KOREA99		
Spearman's rho	VN2004	Correlation Coefficient	1.000	.343		
		Sig. (2-tailed)		.276		
		N	12	12		
	KOREA99	Correlation Coefficient	.343	1.000		
		Sig. (2-tailed)	.276			
		N	12	12		

	Correlations			Correlations						
			VN2004	KOREA01					VN2004	KOREA03
Spearman's rho	VN2004	Correlation Coefficient	1.000	.329		Spearman's rho	VN2004	Correlation Coefficient	1.000	.203
		Sig. (2-tailed)		.297				Sig. (2-tailed)		.527
		N	12	12				N	12	12
	KOREA01	Correlation Coefficient	.329	1.000			KOREA03	Correlation Coefficient	.203	1.000
		Sig. (2-tailed)	.297					Sig. (2-tailed)	.527	
		N	12	12				N	12	12

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References

- Ahmad, J., and Harnhirun, S. 1996, 'Cointegration and Causality between Exports and Economic Growth: Evidence from the ASEAN Countries', *Canadian Journal of Economics*, vol. 29, pp. 413-16.
- Ahmad, J., and Kwan, A.C.C. 1991, 'Causality between Exports and Economic Growth', *Economic Letters*, vol. 37, pp. 243-48.
- Al-Yousif, K. 1997, 'Exports and Growth: Some Empirical Evidence from the Arab Gulf States', *Applied Economics*, vol. 29, pp. 693-97.

_____1999, 'On the Role of Exports in the Economic Growth of Malaysia: A Mulivariate Analysis, International Economic Journal, vol. 13, no. 3, pp. 67-75.

- Amrinto, L.E. 2006, A Semiparametric Assessment of Export-led Growth in the Philippines, MSc Thesis, Louisiana State University.
- Anan, K. 2000, stated on 16 February 2000, viewed online at: http://www.aseansec.org/64.htm.
- Andreas, I. 2005, 'Extensive and Intensive Growth in a Neoclassical Framework', Journal of Economic Dynamics and Control, vol. 29, no. 8, pp. 1427-48.
- Ariff, M., and Hill, H. 1985, 'ASEAN Manufactured Exports: Performance and Revealed Comparative Advantage', ASEAN Economic Bulletin, pp. 33-55.
- Arnade, C., and Vasavada, U. 1995, 'Causality Between Productivity and Exports in Agriculture: Evidence from Asia and Latin America, *Journal of Agricultural Economics*, vol 46, pp. 174-86.
- Asian Development Bank (Outlook) 2000, Country Economic Review: Socialist Republic of Vietnam, Asian Development Bank, Manila.
 - 2007, Growth amid Change, Asian Development Bank, Manila.
- 2008, Economic Trends and Prospects in Developing Asia, Asian Development Bank, Manila.
- Association of Southeast Asian Nations (n.d.), *Overview*, viewed online at: <u>http://www.aseansec.org/64.htm</u>
- Athukorala, P. 2003, 'Product Fragmentation and Trade Patterns in East Asia', Departmental Working Paper 2003/21, *Economics RSPAS*, Australian National University, pp. 1-67.
- Athukorala, P., and Menon, J. 1996, 'Foreign Investment and Industrialization in Malaysia: Exports, Employment and Spillovers', *Asian Economic Journal*, vol. 10, no. 1, pp. 29-44.
- Baharumshah, A.Z., and Rashid, S. 1999, 'Exports, Imports and Economic Growth in Malaysia: Empirical Evidence Based on Multivariate Time Series', Asian Economic Journal, vol. 13, no. 4, pp. 389-406.
- Bahmani-Oskooee, M., and Payesteh, S. 1993, 'Budget Deficits and the Value of the Dollar: An Application of Cointegration and Error-Correction Modelling', *Journal of Macroeconomics*, vol. 15, no. 4, pp. 661-77.

- Bahmani-Oskooee, M., and Alse, J. 1993, 'Export Growth and Economic Growth: An Application of Cointegration and Error-Correction Modelling', *Journal of Developing Areas*, vol. 27, no. 4, pp. 535-42.
- Bahmani-Oskooee, M. et al. 1991, 'Exports, Growth and Causality in LDCs: A Re-examination', Journal of Development Economics, vol. 36, pp. 405-15.
- Balance, R.H., Forstner, H., and Murray, T. 1987, 'Consistency Tests of Alternative Measures of Comparative Advantage', *Review of Economics and Statistics*, vol. 69, pp. 157-61.
- Balassa, B. 1965, 'Trade Liberalization and Revealed Comparative Advantage', *The Manchester School of Economic and Social Studies*, vol. 33, no. 2, pp. 99-123.
- _____1978, 'Exports and Economic Growth: Further Evidence', Journal of Development Economics, vol. 28, pp.181-89.
- _____1979, 'The Changing Pattern of Comparative Advantage in Manufactured Goods', *The Review of Economics and Statistics*, vol. 61, pp. 259-65.
- _____1980, 'Structural Change in Trade in Manufactured Goods Between Industrial and Developing Countries', World Bank Staff Working Paper, no. 396, Washington D.C.
- _____1985, 'Exports, Policy Choices, and Economic Growth in Developing Countries after the 1973 Oil Shock', *Journal of Development Economics*, vol. 18, pp. 23-35.
- _____. 1989, Comparative Advantage, Trade Policy and Economic Development, Harvestor Wheatsheaf, New York.
- Baldwin, R.E. 1958, 'The Commodity Composition of World Trade: Selected Industrial Countries 1900-1954', *Review of Economics and Statistics*, vol. 40, pp. 50-71.
- 1979, 'Determinants of Trade and Foreign Investment: Further Evidence', *Review of Economics and Statistics*, vol. 61, pp. 40-48.
- Barro, R.J. 1991, 'Economic Growth in a Cross-section of Countries', The Quarterly Journal of Economics, vol. 106, no. 2, pp. 407-43.
 - 1993, Macroeconomics, 4th edn, John Wiley & Sons, New York.
- Barro, R.J., and Lee, J.W. 1997, 'Schooling Quality in a Cross-section Countries', NBER Working Paper no. 6198, National Bureau of Economic Research, Cambridge, Mass.
- Barro, R.J., and Sala-i-Balassa, B Martin, X. 1995, Economic Growth, McGraw-Hill, New York.
- Belser, P. 2000, 'Vietnam: On the Road to Labour-Intensive Growth?' Vietnam Development Report 2000: Vietnam Attacking Poverty, Background Paper, World Bank, Hanoi.
- Bender, S., and Li, C. 2002, 'The Changing Trade and Revealed Comparative Advantages of Asian and Latin American Manufacture Exports', Yale Economic Growth Centre, Discussion Paper no. 843, Yale University, Connecticut.
- Bhagwati, J. 1988, Protectionism, MIT Press, Cambridge, Mass.
- Bowen, H.P. 1983. 'Changes in the International Distribution of Resources and Their Impact on U.S. Comparative Advantage', *The Review of Economics and Statistics*, vol. 65, no. 3, pp. 402-14.
- Bowen, H.P., and Pelzman, J. 1984, 'US Export Competitiveness: 1962-77', Applied Economics, vol. 16, pp. 461-73.

- Bradford, C.Jr. 1994, From Trade-driven Growth to Growth-driven Trade: Reappraising the East Asian Development Experience, OECD, Paris.
- Bradford, C.Jr., and Chakwin, N. 1993, 'Alternative Explanation of the Trade-Output Correlation in the East Asian Economies', OECD Development Centre, Technical Papers no. 87, OECD, Paris.
- Brown, S.J., Coulson, N.E., and Engle, R.F. 1992, 'On the Determinants of Regional Base and Regional Base Multipliers', *Regional Science and Urban Economics*, vol. 22, pp. 619-35.
- Bruton, H.J. 1989, 'Import Substitution', Handbook of Development Economics II, pp. 1601-44.
- Carniels, M.C.J. 1996, 'Regional Differences in Technology: Theory and Empirics', Maastricht Economic Research Institute on Innovation and Technology, pp. 1-36.
- Chandrasiri, S., and de Silva, A. 1996, *Globalisation, Employment and Equity: The Vietnam Experience*, ILO Regional Office for Asia and the Pacific, Bangkok.
- Chenery, H.B., and Strout, A.M. 1966, 'Foreign Assistance and Economic Development', *The American Economic Review*, vol. 56, no. 4.
- Chiarella, C., and Gao, S. 2002, 'Type I Spurious Regression in Econometrics', School of Finance and Economics, Working Paper no.114, University of Technology, Sydney.
- Chow, P.C.Y. 1987, 'Causality Between Export Growth and Industrial Development: Empirical Evidence from the NICs', *Journal of Development Economics*, vol. 26, pp. 55-63.
- Chow, P.C.Y., and Kellman, M.H. 1993, Trade: The Engine of Growth in East Asia, Oxford University Press, New York.
- CIEM 2002, 'An Assessment of the Economic Impact of the US-VN Bilateral Trade Agreement', Central Institute for Economic Management, Hanoi.
- Conroy, M.E., and Glasmeier, A.K. 1993, 'Unprecedented Disparities, Unparalleled Adjustment Needs: Winners and Losers on the NAFTA Fast Track', *Journal of Inter-American Studies and World Affairs*, vol. 34, pp. 1-37.
- Corden, W.M. 1971, 'The Effects of Trade On the Rate of Growth', in J. Bhagwati (ed.), Trade, Balance of Payments and Growth, Amsterdam, North Holland.
- Coughlin, C.C., and Fabel, O. 1988 'State Factor Endowments and Exports: An Alternative to Crossindustry Studies', *Review of Economics and Statistics*, vol. 70, pp. 696-701.
- Daquila, T.C. 2005, The Economies of Southeast Asia: Indonesia, Malaysia, Philippines, Singapore and Thailand, Nova Science, New York.
- Dicken, P. 1998, Global shift: Transforming the World Economy, 3rd edn, Guilford Press, New York.
- Dickey, D.A., and Fuller, W.A. 1979, 'Distribution of the Estimators for Autoregressive Time Series with a Unit Root', *Journal of American Statistical Association*, vol. 74, pp. 427-31.
- Dodaro, S. 1993, 'Exports and Growth: A Reconsideration of Causality', *Journal of Developing Areas*, vol. 27, pp. 227-44.
- Dollar, D. 1992, 'Outward-oriented Developing Economies Really Do Grow More Rapidly: Evidence from 95 LDCS: 1976-1985', Economic Development and Cultural Change, vol. 40, pp. 523-44.
- Dowling, M., and Cheang, C.T. 2000, 'Shifting Comparative Advantage in Asia: New Test of the Flying Geese Model', *Journal of Asian Economics*, vol. 11, pp. 443-63.

- Dowrick, S. 2002, 'The Contribution of Innovation and Education to Economic Growth', *Melbourne* Institute Economic and Social Outlook, Australian National University.
- Dutt, S., and Ghosh, D. 1996, 'The Export Growth-Economic Growth Nexus: A Causality Analysis', Journal of Developing Areas, vol. 30, no. 2, pp. 167-82.
- East Asia Analytical Unit (EAAU) 1997, The New Aseans: Vietnam, Burma, Cambodia and Laos, Department of Foreign Affairs and Trade, Canberra.
- Ebashi, M. 1997, 'The Economic Take-off', in M. Nishihara, and J.W. Morley (eds), Vietnam Joins the World, M.E. Sharpe, Armonk, New York.
- Ekanayake, E.M. 1999, 'Exports and Economic Growth in Asian Developing Countries: Cointegration and Error-correction Models', *Journal of Economic Development*, vol. 54, no. 2, pp. 43-56.
- Enders, W. 1995, Applied Econometric Time Series, John Wiley, New York.
- Engle, R.F., and Granger, C.W.J. 1987, 'Cointegration and Error-correction: Representation, Estimation and Testing', *Journal of Econometrics*, vol. 55, pp. 251-76.
- Erickson, R., and Hayward, D. 1992, 'Interstate Differences in Relative Export Performance: A Test of Factor Endowments Theory', *Geographical Analysis*, vol. 24, pp. 223-39.
- Evans, G. 1991, 'Where is Vietnam Coming from?' in D.K Forbes, T.H Hull, D.G Marr, and B. Brogan (eds), Vietnam's Renovation Policy and Performance, Australian National University, Canberra.
- Ezeala-Harrison, F. 1999, Theory and Policy of International Competitiveness, Praeger, Westport, Connecticut.
- Fajana, O. 1979, 'Trade and Economic Growth: The Nigerian Experience', World Development, January, pp. 73-78.
- Feder, G. 1983, 'On Exports and Economic Growth', Journal of Development Economics, vol. 12, no. 1-2, pp. 59-73.
- Finger, J.M., and Kreinin, M.E. 1979, 'A Measure of Export Similarity and Its Possible Uses', *Economic Journal*, vol. 89, pp. 905-12.
- Forstner, H., and Ballance, R. 1990, Competing in a Global Economy: An Empirical Study on Specialization and Trade in Manufactures, Unwin Hyman, London.
- Fosu, A.K. 1990a, 'Export Composition and the Impact of Exports on Economic Growth of Developing Economies', *Economic Letters*, vol. 34, pp. 67-71.
- 1990b, 'Exports and Economic Growth: The African Case', *World Development*, vol. 18, no.6, pp. 831-35.
- Fukasaku, K. 1992, Economic Regionalization and Intra-industry Trade: Pacific-Asian Perspectives, Research Program on Globalization and Regionalization, OECD, Paris.
- Fukuda, S., and Toya, H. 1995, 'Conditional Convergence in East Asian Countries: The Role of Exports for Economic Growth', in T. Ito, and A. Krueger (eds), Growth Theories in Light of the East Asian Experience, University of Chicago Press, Chicago.
- Fukushima, K., and Kwan, C.H. 1995, 'Foreign Direct Investment and Regional Industrial Restructuring in Asia', in K. Fukushima, and P.E. Fong (eds), *The New Wave of Foreign Direct Investment in Asia*, Institute of Southeast Asian Studies, Singapore.

Fuller, W. 1976, Introduction to Statistical Time Series, John Willey, New York.

- Furuoka, F. 2007, 'Do Exports Act as "Engine" of Growth? Evidence from Malaysia', *Economics Bulletin*, vol. 6, no. 37, pp. 1-14.
- Ghatak, S., Milner C., and Utkulu U. 1997, 'Exports, Export Composition and Growth: Cointegration and Causality Evidence for Malaysia', *Applied Economics*, vol. 29, pp. 213-23.
- Giles, J.A., and Williams, C.L. 2000, 'Export-led Growth: A Survey of the Empirical Literature and Some Non-causality Results, Part 2', *Econometrics*, Working Paper 02, Department of Economics, University of Victoria.
- Glasmeier, A.K., and Leichenko, R.M. 1996, 'From Free Market Rhetoric to Free Market Reality: The Future of the U.S. South In an Era of Globalisation', *International Journal of Urban and Regional Research*, vol. 20, pp. 601-15.
- Goldstein, J. 1993, Ideas, Interests, and American Trade Policy, Cornell University Press, Ithaca, New-York.
- Granger, C.W.J. 1969, 'Investigating Causal Relations by Econometric and Cross-spectral Method', *Econometrica*, vol. 37, no. 3, pp. 424-38.

1986, 'Development in the Study of Cointegrated Economic Variables', Oxford Bulletin of Economics and Statistics, vol. 48, pp. 213-28.

- _____1988, 'Some Recent Developments in a Concept of Causality', *Journal of Econometrics*, vol. 39, pp. 199-211.
- Grant, R. 1994, 'The Geography of International Trade', *Progress in Human Geography*, vol. 18, pp. 298-312.
- Greenaway, D., and Sapsford, D. 1994a, 'What Does Liberalisation Do for Exports and Growth?', Weltwirtschaftliches Archiv, vol. 130, pp. 152-74.
- Grossman, G., and Helpman, E. 1991, 'Trade, Knowledge Spillovers and Growth', European Economic Review, vol. 35, no. 2, pp. 517-26.
- _____1994, 'Endogenous Innovations in the Theory of Growth', *Journal of Economic Perspectives*, vol. 8, pp. 23-45.
- GSO (General Statistical Office) 1999a, Statistical Yearbook, Statistical Publishing House, Hanoi, Vietnam.
- Harrison, A. 1995, 'Openness and Growth: A Time-Series, Cross-country Analysis for Developing Countries', NBER Working Paper no. 5221, National Bureau of Economic Research Cambridge, Mass.
- Hatzichronoglou, T. 1997, 'Revision of the High-Technology Sector and Product Classification', STI Working Paper no.2, OECD, Paris.
- Helpman, E., and Krugman, P.R. 1985, Market Structure and Foreign Trade, MIT Press, Cambridge, Mass.
- Hendry, D.F., 2000, 'Econometrics alchemy or science?', Economica, vol. 47, no. 118, pp. 387-406
- Hill, H. 2000, 'Export Success Against the Odds: A Vietnamese Case Study', World Development, vol. 28, no. 2, pp. 283-300

Hong, W. 1990, 'Export-Oriented Growth of Korea: A Possible Path to Advanced Economy', *International Economic Journal*, vol. 4, no. 2, pp. 97-118.

(n.d.), International Trade: A Provisional Lecture Note, Seoul University, Korea. Viewed online at: <u>http://gias.snu.ac.kr/wthong/course/trade/trdindex.html</u>.

- IMF 2006, Country Report: Vietnam, no. 06/422, November 2006, Washington D.C.
- IMF 2007, Country Report: Indonesia, no. 07/273, August 2007, Washington D.C.
- Institute of Economics 2002, 'Impacts of Trade Liberalization to Enterprises in Different Ownership Sectors and to Country Employment', memo for the research project 'The Obstacles on the Process of Trade Liberalization in Vietnam', Hanoi.
- Islam, N. 1998, 'Growth Empirics: A Panel Data Approach: A Reply', The Quarterly Journal of Economics, vol. 113, no. 1, pp. 325-29.
- Jenkins, R. 2004, 'Why Has Employment Not Grown More Quickly in Vietnam?', Journal of the Asia Pacific Economy, vol. 9, no.2, pp.191-208.
- Johansen, S. 1988, 'Statistical Analysis of Cointegration Vectors', Journal of Economic Dynamics and Control, vol. 12, pp. 231-54.
- Johansen, S., and Juselius, K. 1990, 'Maximum Likelihood Estimation and Inference on Cointegration with Application to the Demand for Money', Oxford Bulletin of Economic and Statistics, vol. 52, pp. 169-210.
- Jung, W.S., and Marshall, P.J. 1985, 'Exports, Growth and Causality in Developing Countries', Journal of Development Economics, vol. 18, pp. 1-12.
- Kaldor, N. 1964, 'Dual Exchange Rates and Economic Development', *Economic Bulletin for Latin America*, September, reprinted in Collected Economic Essays II, Duckworth, London 1981.
- _____1966, Causes of the Slow Rate of Growth of the United Kingdom, Cambridge University Press, Cambridge, Mass.
- 1967, Strategic Factors in Economic Development, New York State School of Industrial and Labour Relations, Cornell University, Ithaca NY.
- _____1970, 'The Case for Regional Policies', Scottish Journal of Political Economy, vol. 17, pp. 337-48.
- Kavoussi, R. 1984, 'Export Expansion and Economic Growth: Further Empirical Evidence', Journal of Development Economics, vol. 14, pp. 337-48.
- Keesing, D.B. 1967, 'Outward-Looking Policies and Economic Development', *Economic Journal*, vol. 77, no. 306, pp. 303-20.
- Keong, C.C., Yusop, M., and Liew, K.S.V. 2005, 'Export-led Hypothesis in Malaysia: An Investigation Using Bounds Test', *Sunway Academic Journal*, vol.2, pp. 13-22.
- Konya, L. 2000, 'Export-led Growth or Growth-led Export? New Evidence from Granger Causality Analysis on OECD Countries', School of Applied Economics, Victoria University, Melbourne.
- Konya, L. 2004a, 'Export-led Growth, Growth-driven Export, Both or None? Granger Causality Analysis on OECD Countries', *Applied Econometrics and International Development*, vol. 4, no. 1, pp. 73-94.

2004b, 'Unit-Root, Cointegration and Granger Causality Test Results for Export and Growth in OECD Countries', *International Journal of Applied Econometrics and Quantitative Studies*, vol. 1, no. 2, pp. 67-94.

- Krause, L.B. 1984, 'Australia's Comparative Advantage in International Trade', in R.E Caves, and L.B. Krause (eds), *The Australian Economy: A View from the North*, George Allen and Unwin, Sydney.
- Krueger, A. 1978, Foreign Trade Regimes and Economic Development: Liberalization Attempts and Consequences, MIT Press, Cambridge, Mass.
- Krugman, P.R.1979, 'Increasing Returns, Monopolistic Competition, and International Trade', Journal of International Economics, vol. 9, pp. 469-79.
 - 1984, 'Import Protection as Export Promotion: International Competition in the Presence of Oligopoly and Economies of Scale', pp. 180-93, in H. Kierzkowski (ed.), *Monopolistic Competition and International Trade*, Oxford University Press, New York.
 - _____1990, The Age of Diminished Expectations, MIT Press, Cambridge, Mass.
- _____1991, Geography and trade, MIT Press, Cambridge, Mass.
- _____1994a, 'Competitiveness: A Dangerous Obsession', Foreign Affairs, vol. 73, no. 2, pp. 28-44.

1994b, 'The Myth of Asia's Miracle', Foreign Affairs, vol. 73, no. 6, pp. 62-78.

- Krugman, P., and Venables, A. 1993, 'Integration, Specialisation, and Adjustment', NBER Working Paper no. 4559, National Bureau of Economic Research, Cambridge, Mass.
- Lal, D., and Rajapartirana, S. 1987, 'Foreign Trade Regimes and Economic Growth in Developing Countries', *World Bank Research Observer*, vol. 2, no. 2, pp. 189-216.
- Lam, T.D. 2009, Trade and Economic Growth in Vietnam after Doi-Moi: A Comparative Study With the ASEAN-4, PhD Thesis, Victoria University, Melbourne.
- Lancaster, R. 1980, 'Intra-industry Trade under Perfect Monopolistic Competition', Journal of International Economics, vol. 10, no. 2, pp. 151-75.
- Le, D.D. 2002, 'Foreign Direct Investment in Vietnam: Results, Achievements, Challenges and Prospect', paper presented at the Conference on: 'Foreign Direct Investment: Opportunities and Challenges for Cambodia, Laos and Vietnam', International Monetary Fund and the State Bank of Vietnam, August 16-17, 2002, Hanoi, Vietnam.
- Leamer, E.E., and Stern, R.M. 1970, Quantitative International Economics, Aldine Publishing Co., Chicago.
- Leichenko, R.M. 2000, 'Exports, Employment and Production: A Causal Assessment of U.S States and Regions', *Economic Geography*, vol. 76, no. 4, pp. 303-25.
- Leontief, W. 1953, 'Domestic Production and Foreign Ttrade: The American Capital Position Reexamined', *Proceedings of the American Philosophical Society*, vol. 97, pp. 322-49.
- Leung, S. 1995, 'Exchange Rate Regimes and Outward-looking Growth', in R. Garnaut, E. Grilli, and J. Riedel (eds), *Sustaining Export-Oriented Development*, Cambridge University Press, Cambridge, Mass.
 - 2006, 'Integration and Transition: Vietnam, Cambodia and Lao PDR', NCDS/APSEG, paper prepared for the seminar 'Accelerating Development in the Mekong Region: The Role of Economic Integration', Australian National University, Canberra.

- Leung, S., and Le, D.D. 1998, 'Vietnam', in R.H. McLeod, and R. Garnaut (eds), *East Asia in Crisis: From Being a Miracle to Needing One?*, Routledge, London and New York.
- Liesner, H.H. 1958, 'The European Common Market and British Industry', *Economic Journal*, vol. 68, pp. 302-16.
- Linder, S.B. 1961, An Essay on Trade and Transformation, John Wiley and Sons, New York.
- Lucas, R. 1988, 'On the Mechanics of Economic Development, Marshall Lectures, 1985, Journal of Monetary Economics, vol. 22, pp. 3-42.
- Lütkepohl, H. 1993, Introduction to Multiple Time Series Analysis, 2nd edn, Springer-Verlag, Berlin.
- Lutz, J.M. 1987, 'Shifting Comparative Advantage, the NICs and the Developing Countries', *International Trade Journal*, vol. 1, no. 4, pp. 339-58.
- Lydall, H.F. 1975, 'Trade and Employment: A Study of the Effects of Trade Expansion on Employment in Developing and Developed Countries', International Labour Office, Geneva.
- MacDougall, G.A.A. 1952, 'British and American Exports: A Study Suggested by the Theory of Comparative Costs Part II', *Economic Journal*, vol. 62, pp. 487-521.
- Magee, S.P. 1975 'Prices, Income and Foreign Trade: A Survey of Recent Economic Studies', in P.B. Kenen (ed.), *International Trade and Finance: Frontier for Research*, Cambridge University Press, Cambridge, Mass.
- Mahadevan, R. 2007, 'New Evidence on the Export-led Growth Nexus: A Case Study of Malaysia', *The World Economy*, Blackwell Publishing, vol. 30, no. 7, pp. 1069-83.
- Mahmood, A. 2001, 'Shifting Export Specialization and the Competitiveness of the Malaysian Manufacturing: Trends and Analysis', *International Trade Journal*, vol. 15, no.2, pp. 187-219.
- Malecki, E.J., and Varaiya, P. 1986, 'Innovation and Changes in Regional Structure', in P. Nijkamp (ed.), *Handbook of Regional and Urban Economics*, North-Holland, Amsterdam.
- Markusen, A.R. 1985, Profit Cycles, Oligopoly and Regional Development, MIT Press, Cambridge, Mass.
- Marr, D. 1991, 'Where is Vietnam Coming from?', in D.K Forbes, T.H. Hull, D.G. Marr, and B. Brogan (eds), *Doi-Moi: Vietnam's Renovation Policy and Performance*, Australian National University, Canberra.
- Marshall, A. 1920, Principles of Economics, MacMillan, London.
- Martin, R., and Sunley, P. 1966, 'Paul Krugman's Geographical Economics and Its Implications for Regional Development Theory: A Critical Assessment', *Economic Geography*, vol. 72, pp. 259-92.

1998, 'Slow Convergence? The New Endogeneous Growth Theory and Regional Development', *Economic Geography*, vol. 74, pp. 201-27.

- Maule, A.1996, 'Some Implications of AFTA for Thailand: A Revealed Comparative Advantage Approach', ASEAN Economic Bulletin, vol. 13, no.1, pp. 14-38.
- Mayer, J., and Wood A. 2001, 'South Asia's Export Structure in a Comparative Perspective', Oxford Development Studies, vol. 29, no. 1, pp. 5-29.

- Medina-Smith, E.J. 2001, 'Is the Export-led Growth Hypothesis Valid for Developing Countries? A Case Study of Costa Rica', United Nations, New York.
- Michaely, M. 1977, 'Exports and Growth: An Empirical Investigation', Journal of Development Economics, vol. 4, no. 1, pp. 49-54.
- Milana, C. 1988, 'Constant Market Shares Analysis and Index Number Theory', European Journal of Political Economy, vol. 4, no. 4, pp. 453-78.
- Murray, G. 1997, Vietnam: Dawn of a New Market, Allen and Unwin, Sydney.
- Myrdal, G. 1957, Economic Theory and Underdeveloped Regions, Duckworth, London.
- National Competitiveness Council 2002, Annual Competitiveness Report 2002, Oxford University Press, Oxford.
- Nelson, C., and Plosser, C. 1982, 'Trends and Random Walks in Macroeconomics Time Series: Some Evidence and Implications', *Journal of Monetary Economics*, vol. 10, pp. 139-62.
- Nolan, J.E. 1996, *Global Engagement: Cooperation and Security in the 21st Century*, Brookings Institution Press, Washington.
- North, D.C. 1955, 'Location Theory and Regional Economic Growth', Journal of Political Economy, vol. 63, no. 3, pp. 243-58.
- OECD 2003, The Sources of Economic Growth in OECD Countries, Organisation for Economic Corporation and Development, Paris.
- Pack, H. 1988, 'Industrialization and Trade', in H.B Chenery, and T.N. Srinivasan (eds), Handbook of Development Economics, Amsterdam, North-Holland.
- 1992, 'Technology Gaps between Industrial and Developing Countries: Are There Dividends for Latecomers?', in *Proceedings of the World Bank Annual Conference on Development Economics*, The World Bank, Washington, D.C.
- Pack, H., and Page, J. 1994, 'Accumulation, Exports and Growth in the High-Performing Asian Economies', Carnegie-Rochester Series on Public Policy, vol. 40, pp. 199-236.
- Page, J. 1994, 'The East Asian Miracle: Four Lessons for Development Policy', in National Bureau of Economic Research Macroeconomics Annual, pp. 219-80, MIT Press, Cambridge, Mass.
- Panagariya, A.1995, 'Rethinking the New Regionalism', in J. Nash, and W. Takacs (eds), Lessons in Trade Policy Reform, World Bank, Washington, D.C.
- Perron, P. 1988, 'Testing for a Random Walk: A Simulation Experiment of Power When the Interval is Varied', Working Paper no. 336, Econometric Research Program, Department of Economics, Princeton.
- Phillips, P.C.B. 1987, 'Times Series Regression with a Unit Root', *Econometrica*, vol. 55, no. 2, pp. 277-301.
- Phillips, P.C.B., and Perron, P. 1988, 'Testing For a Unit Root in Time Series Regression', *Biometrika*, vol. 75, pp. 335-46.
- Piazolo, M. 1996, 'Determinants of Indonesian Economic Growth, 1965-1992', Seoul Journal of Economics, vol. 9, no. 4, pp. 269-98.

- Poyhonen, P. 1963, 'A Tentative Model for the Volume of Trade between Countries', Weltwirtschaftliches Archiv, vol. 90, pp. 23-40.
- Poon, J. 1997, 'The Cosmopolitanization of Trade Regions: Global Trends and Implications 1965-1990', *Economic Geography*, vol. 73, pp. 390-404.
- Porter, M.E. 1990, The Competitive Advantage of Nations, The Free Press, Macmillan, New-York.
- Prebisch, R. 1950, The Economic Development of Latin America and Its Principal Problems, United Nations, New York.
- Quah, D., and Rauch, J. 1990, 'Openness and the Rate of Economic Growth', Working Paper, October, University of California, San Diego.
- Rahman, M., and Mustafa, M. 1997, 'Dynamics of Real Exports and Real Economic Growths in 13 Selected Asian Countries', *Journal of Economics Development*, vol. 22, no. 2, pp. 81-95.
- Rana, P.B. 1990, 'Shifting Comparative Advantage Among Asian and Pacific Countries', *The International Trade Journal*, vol. 4, pp. 243-57.
- Rees, J. 1979, 'Technological Change and Regional Shifts in American Manufacturing, Professional Geographer, vol. 31, pp. 45-54.
- Reymert, R., and Schultz, C.E. 1985, 'Eksport og Markedsstruktur, Rapporter 85/5', Central Bureau of Statistics, Oslo.
- Ricardo, D. 1953, On the Principle of Political Economy and Taxation, Cambridge University Press, London.
- Richardson, J.D. 1971a, 'Constant Market Share Analysis of Export Growth', *Journal of International Economics*, vol. 1, pp. 227-39.
 - _____1971b, 'Some Sensitivity Tests for a Constant Market Shares Analysis of Export Growth', *The Review of Economics and Statistics*, vol. 53, pp. 300-04.
- Riedel, J. 1999, 'Needed: A Strategic Vision for Setting Reform Priorities in Vietnam', in S. Leung (ed.), Vietnam and the East Asian Crisis, Edward Elgar, London.
- Rodrik, D. 1993, 'Trade and Industrial Policy Reform in Developing Countries: A Review of Recent Theory and Evidence', NBER Working Paper no. 4417, National Bureau of Economic Research, Cambridge, Mass.
- _____1994b, 'Getting Interventions Right: How South Korea and Taiwan Grew Rich', 20th Panel Meeting of Economic Policy, NBER Working Paper no.4964, National Bureau of Economic Research, Cambridge, Mass.
 - ____1995, 'Trade and Industrial Policy Reform,' in J.R. Behrman, and T.N. Srinivasan (eds), *Handbook of Development Economics*, vol. 3, Amsterdam, North-Holland.
- Romer, P.M. 1986, 'Increasing Returns and Long-Run Growth', Journal of Political Economy, vol. 94, pp. 1002-37.

_____1994, 'The Origins of Endogenous Growth', Journal of Economic Perspectives, vol. 8, pp. 3-22.

Rose, A.K. 2000, 'One Money, One Market? The Effects of Common Currencies on International Trade', *Economic Policy*, vol. 15, pp. 7-46.

__2004, 'Do We Really Know that the WTO Increases Trade?, American Economic Review, pp. 98-114.

- Sachs, J. 1987, 'Trade and Exchange Rate Policies in Growth-Oriented Adjustment Programs', NBER Working Paper no. 2226, National Bureau of Economic Research, Cambridge, Mass.
- Sachs, J., and Warner, A. 1995, 'Economic Reform and the Process of Global Integration', *Brookings* Papers on Economic Activity 1, pp. 1-95.
- Sargan, J.D. 1964, 'Wages and Prices in the United Kingdom: A Study in Econometric Methodology', in P.E Hart, G. Mills, and J.K. Whitaker (eds), *Econometric Analysis for National Economic Planning*, Butterworth, London. Reprinted in D.F Hendry, and K.F. Wallis (eds) 1984, *Econometric and Quantitative Economics*, Basil Blackwell, Oxford.
- Science and Technology Indicator 2003, 'Strengths and Weaknesses: Europe's Mixed Performance in High-Tech Trade', The Latest Data on Europe's R &D Performance, viewed online at: ftp://ftp.cordis.europa.eu/pub/indicators/docs/3rd report snaps7.pdf.
- Shan, J., and Sun, F. 1999, 'Export-led Growth and the US Economy: Some Further Testing', Applied Economics Letters, vol. 6, pp. 169-72.
- Sheehan, P.J., Pappas, N., and Cheng, E. 1994, *The Rebirth of Australian Industry*, Centre for Strategic Economic Studies, Victoria University, Melbourne.
- Sheehey, E.J. 1990, 'Exports and Growth: A Flawed Framework', Journal of Development Studies, vol. 27, no. 1, pp. 111-16.
- _____1993, 'Exports as a Factor of Production: A Consistency Test', *World Development*, vol. 21, no. 1, pp. 155-60.
- Smith, A. 1776, An Inquiry into the Nature and Causes of the Wealth of Nations, page references to Cannan edition, Modern Library, 1937, New York.
- Socialist Republic of Vietnam 2002, The Comprehensive Poverty Reduction and Growth Strategy (CPRGS), Hanoi.
- Spiegelglas, S. 1959, 'World Exports of Manufactures, 1956 vs. 1937', *The Manchester School*, vol. 27, pp. 111-39.
- Srisathaporn, S. 1997, Three Essays on the East Asian Miracle of Thailand, PhD thesis, University of Illinois, Urbana, Illinois.
- Subramanian, A., and Wei, S.J. 2007, 'The WTO Promotes Trade, Strongly but Unevenly', Journal of International Economics, vol. 72, pp. 151-75.
- Suranovic, S. 2006, *International Trade Theory and Policy*; viewed online at: <<u>http://internationalecon.com/Trade/Tch60/T60-0.php</u>>.
- Tallman, E.W., and Wang, P. 1992, 'Human Capital Investment and Economic Growth: New Routes in Theory Address Old Questions', *Economic Review*, September/October, pp. 1-11.
- Thirlwall, A.P. 1980, 'Regional Problems are Balance of Payments Problems', Regional Studied, vol. 14, pp. 419-25.
- 2002, The Nature of Economic Growth: An Alternative Framework for Understanding the Performance of Nations, Edward Elgar, Massachusetts.
- _____2006, Growth and Development with Special Reference to Developing Economies, 8th edn, Palgrave MacMillan, New York.

- Tiebout C.M. 1956, 'Exports and Regional Economic Growth', *The Journal of Political Economy*, vol. 64, no. 2, p. 160-85.
- Tinbergen, J. 1962, 'An Analysis of World Trade Flows', in J. Tinbergen (ed.), Shaping the World Economy, the Twentieth Century Fund, New York.
- Toda, H.Y., and Yamamoto, T. 1995, 'Statistical Inference in Vector Auto-regressions with Possibly Integrated Processes', *Journal of Econometrics*, vol. 66, pp. 225-50.
- Tran, D.L. 2000, 'Speech of President of the Socialist Republic of Vietnam', presented at the United Nations Millennium Summit, New York, 6-8 September. Viewed online at: <u>http://www.vietnamembassy.us/news/story.php?d=20000906030303</u>
- Tyler, W.G. 1981, 'Growth and Export Expansion in Developing Countries: Some Empirical Evidence', Journal of Development Economics, vol. 9, no. 1, pp. 121-30.
- Tyszynski, H. 1951, 'World Trade in Manufactured Commodities 1899-1950', *The ManchesterSchool*, vol. 19, pp. 272-304.
- UNCTAD 2006, 'National Policies in Support of Productive Dynamism' in Trade and Development Report, United Nations, New York and Geneva.
- UNDP (United Nations Development Program) 1999a, Social-Economic Statistical Bulletin, Hanoi, Vietnam.
- UNDP (United Nations Development Program) 1999b, Completion of Vietnam's Legal Framework for Economic Development, Hanoi, Vietnam.
 - 2007, Top 200 Industrial Strategies of Vietnam's Largest Firms, Hanoi, Vietnam.
- UNIDO 1982, Changing Patterns of Trade in World Industry: An Empirical Study on Revealed Comparative Advantage, United Nations, New York.
- 1986, International Comparative Advantage in Manufacturing: Changing Profiles of Resources and Trade, United Nations Industrial Development Organization, Vienna.
- 1999, Industrial Demand-Supply Balance Database, Geneva.
 - 2000, Measure by Measure: Building UNIDO's System of Industrial Development Indicators (United Nations Industrial Development Organization, Vienna).
- 2001, 'Growth in Least Developed Countries: A Note on the Empirics of Productivity Change', UNIDO Discussion Paper.
- Van den Berg, H., and Schmidt, J.R. 1994, 'Foreign Trade and Economic Growth: Time Series Evidence from Latin American', Journal of International Trade and Economic Development, vol. 3, no. 3, pp. 121-30.
- Verdoorn, P.J. 1993, 'On the Factors Determining the Growth of Labour Producitivity', Italian Economic Papers 2, pp. 59-68. Originally published as "Fattori Che Regolano lo Sviluppo Della Producttivita del Lavoro", L'industria 1, 1949, pp. 45-53.
- Vernon, R. 1966, 'International Investment and International Trade in the Product Cycle', *Quarterly Journal of Economics*, vol. 80, pp. 190-207.

Vietnam MIoT, 2008, viewed on line at: www.vnexporters.com.

- Vietnam Ministry of Planning and Investment 2005, The Impact of the US-Vietnam Bilateral Trade Agreement on Overall and US Foreign Direct Investment in Vietnam, National Politics Publishing House, Hanoi, Vietnam.
- VinaTradeUSA 2006, viewed on line at:

<http://www.vietnamustrade.org/Eng/economic reform&performance.htm>

- Voivodas, C.S. 1973, 'Exports, Foreign Capital Inflow and Economic Growth', Journal of International Economics, November, pp. 337-49.
- Webster, E., Mathis, E.J., and Zech, C.E. 1990, 'The Case for State-level Export Promotion Assistance: A Comparison of Foreign and Domestic Export Employment Multipliers', *Economic Development Quarterly*, vol. 4, pp. 203-10.
- Williamson, R. 1978, 'The Role of Exports and Foreign Capital in Latin American Economic Growth', Southern Economic Journal, October, pp. 410-20.

World Bank 1987, World Development Report, Oxford University Press, New York.

- _____1993, The East Asian Miracle: Economic Growth and Public Policy, Oxford University Press, New York.
- 2001, Vietnam Development Report 2001, Vietnam 2010: Entering the 21st Century, Joint Report of the World Bank, Asian Development Bank and UNDP, Hanoi.
- 2008, 'Productivity Surge Boosts Growth and Living Standards in Eastern Europe and the Former Soviet Union', Press Release no: 2008/317/ECA, World Bank, Washington D.C.
- World Economic Forum 2001, *The Global Competitiveness Report 2001-2002*, World Economic Forum, Oxford University Press, New York.
- 2006, 'The Competitiveness Indexes, Part 1', *The Global Competitiveness Report 2006-2007*, World Economic Forum, Oxford University Press, New York.
- 2008, The Global Competitiveness Report 2008-2009, World Economic Forum, Oxford University Press, New York.
- Wurfel, D. 1993, 'Doi-Moi in Comparative Perspective', in W.S. Turley, and M. Selden (eds) Reinventing Vietnamese Socialism: Doi-Moi in Comparative Perspective, Westview Press, Colorado.
- Xu, Z. 1996, 'On the Causality Between Export Growth and GDP Growth: An Empirical Reinvestigation', *Review of International Economics*, vol. 4, no. 2, pp. 172-84.
- Yaghmanian, B. 1994, 'An Empirical Investigation of Exports, Development and Growth in Developing Countries: Challenging the Neoclassical Theory of Export-led Growth', World Development, vol. 22, no. 12, pp. 1977-95.
- Yamazawa, I., Hirata, A., and Yokota, K. 1991, 'Evolving Pattern of Comparative Advantage in the Pacific Economies', in M. Ariif (ed.), *The Pacific Economy: Growth and External Stability*, Allen and Unwin, Sydney.
- Zhang, X.G. 2000, China's Trade Pattern and International Comparative Advantage, St. Martin Press, New York.