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THE PACIFIC BASIN IN WORLD TRADE

PART III: AN ANALYSIS OF CHANGING TRADE PATTERNS, 1955-1975

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1. Introduction

This is the third of a sequence of papers on international flows of trade among fifteen Pacific Basin (PB) countries and between them and eleven regions in the Rest of the World (ROW). In Part I of the sequence (Hickman, Kuroda and Lau, 1977a) we presented and documented annual data on bilateral flows of total exports valued f.o.b. in current dollars among the twenty-six countries and regions for the years 1948 through 1975. The primary data source is the Direction of Trade computer tape of the International Monetary Fund, but these data were supplemented from other sources, especially as regards the international trade of the socialist countries. The second report (1977b) extended the data base to include unit value export price indexes and the corresponding constant dollar trade flow matrices for the period 1955-1975. In this third report we analyze the changing pattern of PB trade over the same period, using as tools export growth decomposition indexes, trend analysis, and regression analysis of the price elasticity of import market shares.

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Fifteen countries are distinguished in the Pacific Basin, and the rest of the world is disaggregated into eleven regions. The countries and regions are: Australia, Canada, Republic of China, People's Republic of China, Hong Kong, Indonesia, Japan, Republic of Korea, Malaysia, New Zealand, Philippines, Singapore, Thailand, U.S.A., U.S.S.R., Western Europe, Oil Producing Countries of the Middle East, Other Middle East, Oil Producing Countries of Africa, Other Africa, Oil Producing Countries of the Western Hemisphere, Other Western Hemisphere, Socialist Countries of Asia, Other Asia, Socialist Countries of the Rest of the World, and Rest of Oceania. Exports to or from countries or regions unknown or unspecified are allocated to a twenty-seventh category: Not Elsewhere Classified (NEC). The countries included in each ROW region are listed in Appendix A of Hickman, Kuroda and Lau (1977a).

The PB regional economy includes all the national economies which border on the Pacific Ocean, with the exception of the Latin American economies. The latter are excluded on the grounds that their trade (and investment) ties are primarily with the U.S. or Europe and almost negligible with the rest of the Pacific Basin.

With the exception of the U.S.S.R., the fifteen countries distinguished in this study already comprise a closely integrated regional trading bloc of highly interdependent economies, and the U.S.S.R. has been included because of its past importance and present high growth potential in the region. The close trading relationships among the PB countries are documented in the earlier papers in this series.

The present paper is organized as follows. In Section 2 we describe the trends in the export performance of the PB countries and ROW regions, as measured by the cumulative percentage change in each country's share of world exports between 1955 and 1975 and for selected subperiods. In Section 3 and Appendices B and C these export share changes are decomposed into three sources: changes in the degree of penetration of the various import markets, changes in the size of the import markets themselves, and an interaction effect. The decomposition indexes are shown in Section 4 to be dominated by the market penetration or competitiveness effect, so that a country gains or loses in world trade according to whether or not it can increase its shares of the markets in which it sells rather than as a passive result of changes in the size of the markets themselves. This leads to a descriptive analysis in Section 5 of the secular growth rates of the market shares of each country or region in the import markets of the twenty-five remaining countries and regions. Finally, we conclude the paper in Section 6 with an exploratory regression analysis of the responsiveness of the market shares to changes in the relative prices of the various exporting countries competing in each import market, leading to the general conclusion that relative prices do matter and presenting estimates of share or substitution elasticities in the various import markets.

2. Trends in Export Shares, 1955-1975

Trends in the export performance of the fifteen PB countries and eleven ROW regions during the past twenty years may conveniently be examined with the assistance of Table 1. The table shows the cumulative percentage change in each country's share of world exports (measured in U.S. dollars) between 1955 and 1975 and for selected subperiods. These are total changes rather than annual rates and refer always to the change from 1955 to the designated year. Changes are shown for the export shares valued in current prices and also in constant (1955) prices.

Only four PB countries--Republic of China, Hong Kong, Japan and Korea--increased their shares of world exports between 1955 and 1975. The net change was virtually zero for Thailand over the same interval, whereas the shares for the ten remaining PB countries fell by varying amounts when measured in current prices.

As a rule, the shares in constant prices moved in the same direction as in current prices and by roughly similar amounts, implying only moderate changes in the ratio of own-country and world export prices over the span of two decades. The principal exceptions are Singapore and the U.S.S.R. The share of Singapore fell in both current and constant dollars between 1955 and 1970, but the trend was reversed between 1970 and 1975. The reversal was sharp enough to raise the constant dollar shares for 1975 above that for 1955, whereas the current price shares, although higher than in 1970, remained below the base level of 1955. The Russian shares increased throughout the 1955-75 interval when measured in constant

prices, but the small positive gain in current prices during the first decade was reversed during the second, leaving the 1975 share in current prices 20 percent below the 1955 share.

The greatest gain by far was experienced by South Korea. The huge cumulative percentage gain to 1975 is inflated because of the small amount of Korean exports in 1955. The Korean share rose by almost eight times in current prices and ten times in constant prices between 1965 and 1975, however, substantially outstripping in one decade the twenty-year gains in all other PB countries. The Republic of China also showed exceptional growth in exports between 1960 and 1975. The share of Japan has doubled in current prices and nearly trebled in constant prices since 1955.

New Zealand experienced the largest net loss in overseas markets of any PB country, losing two-thirds of its 1955 share in current prices and one-half of its real share by 1975. Large reductions were also experienced by Malaysia, the People's Republic of China, and the Philippines between 1955 and 1975, whether measured in current or 1955 prices.

With regard to the ROW regions, the principal gainers during 1955-75 were Western Europe and the oil producing countries of the Middle East and Africa. The Middle East oil countries' share increased throughout the period, with an especially spectacular gain in the current value share occurring between 1973 and 1975 as a result of the OPEC oil price increase. The OPEC price boost resulted in some decline in the constant dollar shares of the oil producing countries in the Middle East and Africa, but the reduced real shares for 1975 remained above the 1955 levels in both regions.

Apart from Western Europe and the OPEC countries, the shares of the ROW regions generally declined between 1955 and 1975. These regions include the less developed countries of the nonsocialist world lacking oil resources, as well as the Western Hemisphere oil producing countries. The share of the socialist Asian countries also declined in current and constant dollars. The constant price share, in contrast, rose for other socialist countries (largely in Eastern Europe), although their share in current prices deteriorated after the OPEC price increase.

3. Export Growth Decomposition Indexes, 1955-1975

As a step toward understanding the export trends in Table 1, it is useful to introduce a statistical decomposition of the sources of export growth which distinguishes between changes in the degree of penetration of the various import markets and changes in the size of the import markets themselves. Such export decomposition indexes may be developed with the assistance of the following definitions:

X_{ijt} = exports from country i to country j in year t

X_{it} = $\sum_j X_{ijt}$ = total exports of country i in year t

M_{jt} = $\sum_i X_{ijt}$ = total imports of country j in year t

W_t = $\sum_i X_{it}$ = $\sum_j M_{jt}$ = world trade in year t

α_{ijt} = X_{ijt}/M_{jt} = share of exporting country i in import market j in year t

β_{jt} = M_{jt}/W_t = import share of country j in world trade in year t

γ_{it} = X_{it}/W_t = export share of country i in world trade in year t

n = number of countries or regions in world trade

o = subscript for base year

The exports of country i to market j are given by

$$(1) \quad X_{ijt} = \alpha_{ijt} M_{jt}$$

The share of the i^{th} country in the j^{th} market in year t may be expressed relative to the base period shares as

$$(2) \quad \alpha_{ijt} \equiv \alpha_{ijo} + (\alpha_{ijt} - \alpha_{ijo}) \equiv \alpha_{ijo} + \Delta\alpha_{ijt}$$

Substituting (2) into (1) yields

$$(3) \quad X_{ijt} = \alpha_{ijo} M_{jt} + \Delta\alpha_{ijt} M_{jt}$$

The imports of country j in year t are equal to

$$(4) \quad M_{jt} = \beta_{jt} W_t,$$

and the import share of country j in world trade may be expressed relative to the base period share as

$$(5) \quad \beta_{jt} \equiv \beta_{jo} + (\beta_{jt} - \beta_{jo}) \equiv \beta_{jo} + \Delta\beta_{jt}.$$

Substituting (5) into (4) yields

$$(6) \quad M_{jt} = \beta_{jo} W_t + \Delta\beta_{jt} W_t.$$

From (3) and (6) we derive

$$(7) \quad X_{ijt} = \alpha_{ijo} \beta_{jo} W_t + \Delta \alpha_{ijt} \beta_{jo} W_t + \alpha_{ijo} \Delta \beta_{jt} W_t + \Delta \alpha_{ijt} \Delta \beta_{jt} W_t.$$

Summing (7) over the n countries yields an expression for the total exports of country i in year t

$$(8) \quad X_{it} = \sum_{j=1}^n X_{ijt} \\ = \left(\sum_{j=1}^n \alpha_{ijo} \beta_{jo} \right) W_t + \left(\sum_{j=1}^n \beta_{jo} \Delta \alpha_{ijt} \right) W_t + \left(\sum_{j=1}^n \alpha_{ijo} \Delta \beta_{jt} \right) W_t \\ + \left(\sum_{j=1}^n \Delta \alpha_{ijt} \Delta \beta_{jt} \right) W_t.$$

Expression (8) decomposes the exports of the i^{th} country in year t into four components. The first term shows the value of exports in year t , given world trade in year t and assuming no change in the i^{th} country's export share of world trade since the base period. To show this, we note that in the base period, $\Delta \beta_{jt} = \Delta \alpha_{ijt} = 0$, so that (8) reduces to

$$(9) \quad X_{i0} = \left(\sum_{j=1}^n \alpha_{ijo} \beta_{jo} \right) W_0$$

and the expression in parentheses is the base-period export share of country i in world trade, defined henceforth as $\gamma_{i0} = X_{i0}/W_0$.

The second term summarizes the effects of changes in the i^{th} country's market shares since the base period, holding constant the relative size of

the various import markets. This term isolates the influence of changes in the competitiveness of country i in overseas markets.

The third term measures the net effect of shifts in the size of the import markets to which country i sells, holding constant country i 's shares in the various markets. This effect will be positive if the markets to which country i sells heavily in the base period grow more rapidly than world trade and negative if the reverse is true. Thus the share of country i in world exports may increase without any change in its competitiveness, provided that the markets which are of above average importance to it happen to grow at above average rates.

Finally, the last is a term measuring the interaction between changes in market shares and market sizes.

The share of exports of country i in world trade in year t is obtained by dividing (8) by W_t :

$$(10) \quad \frac{X_{it}}{W_t} = \gamma_{it} = \sum_{j=1}^n \alpha_{ijo} \beta_{jo} + \sum_{j=1}^n \beta_{jo} \Delta \alpha_{ijt} + \sum_{j=1}^n \alpha_{ijo} \Delta \beta_{jt} + \sum_{j=1}^n \Delta \alpha_{ijt} \Delta \beta_{jt}$$

Since the first term on the right is the base-period export share, (10) can be also written as

$$(11) \quad \Delta \gamma_{it} = \gamma_{it} - \gamma_{io} = \sum_{j=1}^n \beta_{jo} \Delta \alpha_{ijt} + \sum_{j=1}^n \alpha_{ijo} \Delta \beta_{jt} + \sum_{j=1}^n \Delta \alpha_{ijt} \Delta \beta_{jt}$$

Thus (11) decomposes the cumulative change in the export share between the base period and year t into its three components.

It is convenient to express the cumulative change in the export share as a ratio to the base share by dividing both sides of (11) by γ_{io} :

$$(12) \quad \frac{\Delta \gamma_{it}}{\gamma_{io}} = \frac{\sum_{j=1}^n \beta_{jo} \Delta \alpha_{ijt}}{\sum_{j=1}^n \alpha_{ijo} \beta_{jo}} + \frac{\sum_{j=1}^n \alpha_{ijo} \Delta \beta_{jt}}{\sum_{j=1}^n \alpha_{ijo} \beta_{jo}} + \frac{\sum_{j=1}^n \Delta \alpha_{ijt} \Delta \beta_{jt}}{\sum_{j=1}^n \alpha_{ijo} \beta_{jo}}$$

where use has been made of $\gamma_{io} = \sum_{j=1}^n \alpha_{ijo} \beta_{jo}$. Finally, (12) can be readily transformed to a weighted average of the cumulative relative changes in the α 's and β 's:

$$(13) \quad \frac{\Delta \gamma_{it}}{\gamma_{io}} = \sum_{j=1}^n \lambda_{ijo} \left(\frac{\Delta \alpha_{ijt}}{\alpha_{ijo}} \right) + \sum_{j=1}^n \lambda_{ijo} \left(\frac{\Delta \beta_{jt}}{\beta_{jo}} \right) + \sum_{j=1}^n \lambda_{ijo} \left(\frac{\Delta \alpha_{ijt}}{\alpha_{ijo}} \right) \left(\frac{\Delta \beta_{jt}}{\beta_{jo}} \right)$$

where

$$\lambda_{ijo} = \frac{\alpha_{ijo} \beta_{jo}}{\sum_{j=1}^n \alpha_{ijo} \beta_{jo}} = \frac{X_{ijo}}{X_{io}}$$

and

$$\sum_{j=1}^n \lambda_{ijo} = 1.$$

Thus the percentage change in country i 's export share since the base period is decomposed into weighted averages of the percentage changes in its market shares (competitiveness effect), the percentage changes in the size of the various import markets (market size effect), and the product of the two (interaction effect). The weights are the proportion of country

i 's total exports sold in each of the j markets in the base period. The matrices of α_{ijo} shares and λ_{ijo} weights and the vector of β_{jo} import shares of world trade are listed for the 1955 base period in Appendix A.

Cumulative percentage changes in export shares and the corresponding decomposition indexes computed from equation (13) are shown annually between 1955 and 1975 for the twenty-six countries and regions in current prices in Appendix B and in constant (1955) prices in Appendix C. The export shares and their cumulative absolute changes in U.S. dollars are also included in these tables. All these annual measures may be studied at leisure by the reader who is interested in particular episodes or cyclical patterns during 1955-1975. The net changes between 1955 and 1975 are extracted from the appendixes and displayed in Table 2 by way of summarizing the overall trends during the period.

4. Components of Export Trends, 1955-1975

The basic finding from Table 2 is that the trends in export shares are dominated by the market penetration or competitiveness effect. A country gains or loses in world trade according to whether or not it can increase its shares of the various import markets to which it sells rather than as a passive result of changes in the size of those import markets which are important to it in the base period.

The market size effect, while generally of secondary importance, sometimes reinforces and sometimes offsets the competitiveness effect, with the offsetting tendency slightly more common.

The interaction effect is also generally of secondary importance, but it is frequently larger in absolute value than the market size effect. More often than not, and by a large margin (19 out of 26) in the case of the current dollar shares, the interaction term is opposite in sign to the market size term. Since the competitiveness term is usually large enough to account for most or all of the total change in an export share, and since the three components must add to the total change, it is perhaps not surprising to observe that the market size and interaction terms are of opposite sign in a majority of instances.

To the extent that enhanced market shares of a given country result from relative price reductions, quality improvements, or aggressive marketing efforts, one might expect some induced enlargement in the overall size of the corresponding import markets, and hence a positive correlation between the competitiveness and market size effects. The negative correlation actually observed in the majority of cases indicates that the indirect effects on market size of actions to increase market shares are weak and that the two components are largely independent of one another. This independence, however, may be a statistical artifact of the uneven size of the countries and regions in Table 2, since independent actions by small exporting countries could scarcely be expected to dominate the changes in the import markets of the larger countries or regions.

Although we have labeled the term for changes in market shares the competitiveness effect on the hypothesis that market gains usually reflect price or quality competition, a caveat is in order. Enlarged market shares

can also result from enhanced monopoly power. In the present instance, this is especially true of the rapid rise in the current dollar shares of the oil producing countries after 1973. The combination of inelastic demand and huge price increases for oil swelled the current shares of the oil producing countries despite substantial induced reductions in their real shares between 1973 and 1975.

It is clear from the foregoing statistical decomposition that a deeper understanding of changing trade patterns is to be sought in an analysis of the trends and determinants of the underlying market shares.

5. Trends in Market Shares, 1955-1975

In the preceding section the share of exporting country i in the import market of country j in year t was defined as

$$(14) \quad \alpha_{ijt} = \frac{X_{ijt}}{\sum_i X_{ijt}} = \frac{X_{ijt}}{M_{jt}}$$

The market shares can be arrayed in a 26×26 matrix A_t , with typical element α_{ijt} . The column sums are

$$(15) \quad \sum_i \alpha_{ijt} = \frac{\sum_i X_{ijt}}{\sum_i X_{ijt}} = 1,$$

and hence the market shares account exhaustively for the total imports of country j .

Exponential trends were estimated for the market share coefficients from the following logarithmic specification:

$$(16) \quad \ln \alpha_{ijt} = a_{oij} + a_{lij} T + u_{ijt},$$

where T is time, α_{lij} is the estimated average annual growth rate of the market share, and u_{ijt} is a random disturbance. In most cases, the trend is fitted for the twenty-year interval 1955-1975. In about 10 percent of cases, however, the sample period is shorter because country i did not begin exporting to country j until some year later than 1955.

The estimated average growth rates α_{lij} are displayed in matrix form in Tables 3 (current prices) and 4 (1955 prices). The asterisks signify a significant coefficient at the 5 percent level. Zeros appear on the main diagonal for the fifteen individually distinguished countries and in a few off-diagonal cells for countries which do not trade with one another for political reasons. The main diagonal cells for the eleven ROW regions show the trends in intraregional trade among the constituent countries.

These tables compress a great deal of information about the changing patterns of trade over the past twenty years. One can read down a column for a profile of the changing composition of each import market. The shares of Australia, Canada, the Republic of China, Hong Kong, Japan, Korea and Russia in the U.S. market increased significantly during 1955-1975, for example, with especially large increases recorded for the Republic of China, Hong Kong and Korea. Other PB suppliers either lost ground in the U.S. market (Malaysia, the Philippines and Thailand) or had

statistically insignificant positive (People's Republic of China) or negative (Indonesia, New Zealand, Singapore) trends. No significant trend is observable in the Western European share of U.S. imports. The shares of most of the other ROW regions in the U.S. market trended downward significantly during the period. There was no significant trend in the share of the Middle East Oil region to the U.S. over the twenty-year interval, although the postsample trend will doubtless be positive and probably of substantial magnitude. Especially in the case of the oil exporting countries, the historical trends may provide little quantitative guidance about future trends in their shares in overseas markets.

Similar profiles could be drawn for other import markets, but for present purposes greater interest attaches to the row entries for each exporting country. It was shown in the preceding section that the Republic of China, Hong Kong, Japan and Korea increased their shares of world exports during 1955-1975 and that most or all of the gains were statistically attributable to the growth in their weighted market shares. A positive overall competitiveness effect is consistent with negative trends in many or even most import markets, however, provided only that positive trends are sufficiently large in those markets to which a country sells heavily. Inspection of each row of Tables 3 and 4 reveals at a glance the extent to which market penetration by a given country occurs consistently or unevenly across the various markets. When uneven changes occur, the matrix of λ_{ijo} weights may be consulted in Appendix Table A to determine which markets of the exporting country carry the most weight in its competitiveness index.

It is apparent from Tables 3 and 4 that three of the four countries in our study whose exports grew more rapidly than world trade during 1955-1975 were able to increase their shares in virtually all markets. The share growth rates were uniformly positive for Japan in all markets. Taiwan and South Korea do not export to the People's Republic of China or Russia, but their shares grew in twenty-one of the remaining twenty-three markets. The experience of Hong Kong is more mixed, which probably accounts for its lower overall trade growth rate. Hong Kong lost ground significantly in the People's Republic of China, Korea, Malaysia, Thailand and Socialist Asia, and had insignificant negative trends in Indonesia, Japan and the Rest of Oceania. These mixed trends were the more damaging in that Hong Kong's exports are distributed fairly evenly across the various markets.

Among the big losers during 1955-1975, the case of New Zealand is especially interesting. It held or increased its shares in all PB countries except the U.S. and all ROW regions except Western Europe, and yet it experienced the largest net loss of export share of any of the PB countries. The apparent paradox is explained as soon as it is noted that in 1955 only 12 percent of New Zealand's exports were to other PB countries and that nearly 83 percent went to Western Europe. The corresponding figures for 1975 in current prices are 50 percent and 49 percent. Thus, between 1955 and 1975 New Zealand was transformed from a European to a Pacific Basin trading partner, and this development is reflected in the market share trends of Tables 3 and 4. The unfortunate aspect of the transformation is that the precipitous decline in New Zealand's share of

Western European imports (9.26 percent per year) swamped the (weighted) increases in New Zealand's PB trade, so that the country's overall trade position deteriorated substantially. A similar story may be told for Australia, except that its 1955 exports were distributed somewhat more evenly--30 percent to the PB countries and 58 percent to Western Europe--and thus the subsequent losses in Western Europe were less severe, so that the transformation to a PB trading partnership was accomplished with a considerably smaller net loss than for New Zealand.

Large declines were also experienced by Malaysia, the Philippines and Singapore during 1955-1975. Malaysia's trade losses to Australia, Japan and the U.S., and especially to Singapore and Western Europe, each of which accounted for 30 percent of the exports in 1955, were responsible for most of her net loss of 50 percent. In 1955, the Philippines' major customers were Japan (15 percent), the U.S. (60 percent) and Western Europe (18 percent). She experienced subsequent significant downtrends in all three markets and in several others as well. As for Singapore, it was heavily dependent in 1955 on its exports to Malaysia (22 percent), the U.S. (11 percent) and Western Europe (30 percent). It held its share in the first two markets but suffered a large reduction in the third and scattered declines elsewhere.

The export shares of Canada, the U.S. and Russia declined about one-fifth between 1955 and 1975 when valued in current prices. Canada lost significant ground in five markets, with the loss in Western Europe weighing most heavily. The U.S. gains and losses were equally balanced in number, but three of the declines occurred in its largest markets,

namely Canada, Western Europe and other Western Hemisphere countries. Russia was hit hardest by the loss of its markets in the People's Republic of China, which accounted for 27 percent of its current dollar export receipts in 1955, but it also incurred scattered losses elsewhere. Unlike Canada and the U.S., Russia's real share of world exports increased between 1955 and 1975 despite the decrease in its current dollar share. Russia's current and constant dollar shares changed in the same direction in most import markets, as normally expected, but the real share rose in Western Europe while the current value share declined.

Among the eleven ROW regions, Western Europe and the Middle East and African Oil regions increased their shares in world exports during our sample period. In 1955, 54 percent of the export trade of Western European countries was internal to that region, so that the positive trend in the value share of internal Western European trade explains the region's overall gain during 1955-1975 despite downtrends in three-fifths of the remaining markets. The Middle East OPEC countries enlarged their market shares generally during the period, although experiencing (unimportant) reductions in Indonesia, Russia and Socialist Asia. Africa oil country exports were overwhelmingly to Western Europe in the base period (89 percent), and hence its overall gain is due to its increased market share in that region, which swamped losses in eight other markets.

The remaining eight ROW regions all experienced substantial downtrends in their current dollar export shares during 1955-1975. Most of these regions had share losses in a majority of markets. The nonoil countries of the Western Hemisphere fared better than this, with losses

confined to eight markets, but these unfortunately included the U.S. and Western Europe, which are both major outlets for Latin American and Caribbean exports. Finally, the ROW Socialist region, primarily Eastern Europe, also experienced comparatively few losses of market shares. As a result, their current dollar share of world exports declined only moderately and their constant price share actually rose.

6. Relative Prices and Market Shares, 1955-1975

To what extent may the observed movements of the market shares be attributed to changes in relative prices among the competing countries in a given import market? In this section we summarize the results of an exploratory analysis of this question, making use of the following specification of a log-linear regression equation for the real shares in 1955 prices:

$$(17) \quad \ln \alpha_{ijt} = a_{0ij} + a_{1ij} \ln (P_{it}^x / P_{jt}^m) \\ + a_{2ij} T + a_{3ij} \ln \alpha_{ijt-1} + v_{ijt},$$

where α_{ijt} is the previously defined share of exports of country i in the total imports of country j in year t , P_i^x is the export price of country i (assumed to be the same in all import markets, thus abstracting from price discrimination, and assuming that freight charges, tariffs, and other differential cost factors are a constant proportion of f.o.b. prices over time), T is an index of time, v_{ij} is a random disturbance, and

$$(18) \quad P_{jt}^m = \sum_{i=1}^{26} \alpha_{ijo} P_{it}^x$$

is an import price index in market j , with the export prices of the various competing countries weighted by their base period (1955) shares of the imports of country j .

The relative price term compares the export price of country i with the weighted average of the export prices of all other countries competing in the j^{th} market. Since $\alpha_{ojj} = 0$ for each of the fifteen PB countries, the own-export price is automatically excluded from the import price index of the j^{th} country, as it should be. Since each of the eleven ROW regions is an aggregate of several countries, however, the own-export price index for the region does enter the region's import price index, again as it should. The coefficient α_{lij} is the (short-term) elasticity of the market share with respect to relative export price.

The trend growth rate a_{2ij} is measured net of the influence of any trend in relative prices and hence differs from the corresponding gross trend estimates in Section 5. The net trend may help to account for changes in taste, or for secular improvements in the quality of goods not captured in the price indexes.

The term $\alpha_{ij,t-1}$ is included to allow for a lagged response of the market share to changes in relative prices, with the response following a geometric distributed lag.

In long-term equilibrium with stationary relative prices, the market share would be fully adjusted to the relative price, and would equal

$$(19) \quad \ln \bar{\alpha}_{ijt} = [a_{oij}/(1-a_{3ij})] \\ + [a_{lij}/(1-a_{3ij})] \ln (P_i^x/P_j^m) + [a_{2ij}/(1-a_{3ij})] T,$$

where $\bar{\alpha}_{ijt}$ is the equilibrium market share in year 5, the coefficient on the price term is the long-term share elasticity, and the trend coefficient allows for secular changes in the market share from taste changes or quality improvements at fixed relative prices.

The estimated coefficients a_{lij} , a_{2ij} , a_{3ij} , and $a_{lij}/(1-a_{3ij})$ are reported below in Tables 5-8 for the real market shares in 1955 prices. The equations were constrained to satisfy certain a priori conditions. Two equations of the general form (17) were estimated for every (nonzero) market share by ordinary least squares, one with and one without the lagged dependent variable. No equations are available, of course, for the own-market shares of the fifteen PB countries, which are identically zero.¹ Some off-diagonal zero entries also appear in the tables, and these represent either cases where no trade occurs for political reasons, or in which trade was begun or resumed too late in the sample period to provide sufficient degrees of freedom for estimation. The sample period for most regressions is 1955-1975, but about 10 percent of the equations are for shorter samples beginning with the first nonzero share observed after 1955.

The following prior conditions were imposed on the estimated regressions. First, if $0 < \hat{a}_{3ij} < 1$ the equation with lagged dependent variable was rejected. This restriction is necessary to preserve the underlying rationale for the response mechanism postulated in (17) and (19). Second, the price coefficients \hat{a}_{lij} were examined for the reduced set of lagged

¹For part of the period under consideration there are actually nonzero own-market shares for Japan and Malaysia because of changes in political boundaries.

and unlagged regressions. Any equation with $\hat{a}_{1ij} > 0$ was rejected, since by assumption the export goods of country i are substitutes for those of all other countries. If \hat{a}_{1ij} was negative for both the lagged and unlagged versions of (17), and the lagged version had passed the first test on \hat{a}_{3ij} , it was accepted as the final equation. Otherwise, the unlagged version was chosen. The coefficients of the final set of regressions are listed in Tables 5-8. The blank entries in the tables correspond to omitted equations, except that additional blanks are found in Table 7 for those included equations which were estimated without the lagged dependent variable.

It should be noted that these sign restrictions are a minimal set of constraints to make the estimated equations consistent with the underlying economic theory. In previous work Hickman and Lau (1973) imposed additional restrictions based on a functionally explicit form of the market shares hypothesis originally developed by Armington (1969). Assuming a constant elasticity of substitution utility function and optimizing behavior, Armington derived the following demand function for X_{ij} (our notation):

$$(19) \quad X_{ij} = a_{ij}^{\sigma_j} m_j (P_i^x / P_j^m)^{-\sigma_j},$$

where σ_j is the common elasticity of substitution between all pairs of exports in the j^{th} import market and m_j and P_j^m are CES indexes of the quantity and price of imports. A linear version of the model was developed in Hickman and Lau (1973) by the substitution of the linear indexes

$$m_j = \sum_i X_{ij} \quad \text{and} \quad P_j^m = \sum_i \alpha_{ijo} P_i^x \quad \text{and by linearizing the expression around}$$

base period prices and quantities. The linear form was then estimated by pooled regression techniques subject to the additivity constraint that $\sum_i X_{ij} = m_j$ and the restriction of a single value for σ_j in each market. The model was also extended to incorporate a time trend and to allow for adaptive expectations on the (linearized) relative price term, with the individual trend terms also satisfying the additivity constraint.

Equation (17) is analogous to the earlier adaptive expectations model of Hickman and Lau (1973). In contrast with the earlier study, the equation is estimated by log-linear regression so as to preserve the exponential form of the strict behavioral hypothesis. Also, the dependent variable is α_{ij} instead of X_{ij} as in the previous study, but this is directly equivalent, as can be easily seen by dividing both sides of (19) by m_j . By far the most important difference between the two studies is the fact that each of the twenty-five share equations for a given import market is independently estimated, without the cross-equation constraints of a single substitution or share elasticity and without the adding-up constraints.

At the most fundamental level, the purpose of the present regression analysis is to establish whether the export shares of given import markets are functionally related to relative prices in those markets. Now, our data on prices and quantities of traded goods aggregate all imports in a given market without regard to commodity composition. The price measures, moreover, are unit value indexes, which are necessarily imperfect indicators of price trends in the marketplace. In view of these facts, the evidence in Tables 5 and 8 of a preponderance of negative share or substitution elasticities in the various import markets may be taken as confirmation that relative prices do indeed matter.

The number of negative share-price elasticities in the various import markets ranges from 13 to 23 and averages 17. The total number of negative elasticity coefficients is 449. This is 67.5 percent of the total number of possible estimates in the sample.

In most cases the estimated short-term elasticity coefficients in Table 5 are statistically insignificant, although 18 percent are significant at the 5% level and another 7 percent at the 10% level. Given the data limitations and the unconstrained estimating techniques employed in these regressions, these mixed results are only to be expected and may properly be judged to be encouraging.

There is, however, considerable variation among the estimated elasticities in each import market, and some may be judged implausibly low or high by the reader. In principle, however, the share or substitution elasticity can range from zero to infinity and any particular cutoff point is necessarily subjective. Instead of arbitrarily excluding individual estimates, a preferable procedure is to average the estimates for each import market to reduce the influence of the extreme values.

This is done in Table 9, which lists simple and weighted averages of the short-run and long-run elasticities from Tables 5 and 8 for each of the twenty-six import markets. The simple average is the arithmetic mean of the accepted elasticities in each market, whereas the weighted average is based on the following formula:

$$(20) \quad \bar{\sigma}_j = \frac{\sum (\alpha_{ij0} / \sum \alpha_{ij0}) \hat{\sigma}_{ij}}$$

where $\hat{\sigma}_{ij}$ is the estimated accepted share-price elasticity for the i^{th} country in the j^{th} import market, α_{ij0} is the base period (1955) share of country i in import market j , and the summation includes only those countries for which accepted elasticities were estimated in market j .

The average long-run elasticities are necessarily larger than the impact on short-run elasticities whenever the lagged response is included in the estimation equation, of course. How much larger they are depends on the estimated magnitude of a_{3ij} in Table 7, since the long-run elasticity is equal to the estimated short-run elasticity a_{1ij} divided by the complement of a_{3ij} . When a_{3ij} is near unity, the long-run elasticity may be a large multiple of the short-run value, and about 10 percent of the long-term elasticities in Table 7 exceed 15 in value.

These large values may dominate the arithmetic means in Table 9, and the same is true to a lesser extent with regard to the unweighted means of the short-term elasticities, which may also be unduly influenced by the extreme values estimated for some a_{1ij} . Especially if these high values are for exporting countries which are unimportant in the particular import market, they may distort the market average if given equal weight. Thus the weighted averages are the preferred measures in Table 9.

For the most part, the weighted averages are lower than the arithmetic means. Thus the high estimated individual elasticities tend to be inversely correlated with initial market size, and we suspect this may reflect a tendency for misleadingly high price responses as a result of the high incremental growth rates typical of initially small shares. In two cases, however--Socialist ROW and Rest of Oceania--allowing for the

size of market shares markedly increases the estimated long-term average share elasticities, owing to the high elasticity and large weight of the U.S. in the first regional market and of the U.S. and the U.S.S.R. in the second.

Apart from a few extreme values, the weighted averages in Table 9 range between 0.3 and 6.5 for the short-term elasticities and between 0.7 and 9.6 for the long-term elasticities, with overall means respectively of 1.7 and 2.5. The corresponding constrained estimates of σ_j for the earlier linearized model with adaptive price expectations and individual net trends, ranged between 0.1 and 4.5 for the short-term and 0.2 and 8.9 for the long-term elasticities, with means of 1.5 and 2.5 (Hickman and Lau, 1973, Table 1). Thus the present estimates, when averaged as indicated, appear not only to be reasonable in comparison with the earlier findings but remarkably similar to them despite the substantial differences in geographic coverage, sample period, and statistical methodology in the two studies.

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Table 1

Cumulative Percentage Changes in Export Shares Relative to 1955 Shares

	Current Prices			1955 Prices						
	1960	1965	1970	1973	1975	1975				
Australia	-15.84	-15.05	-19.20	-11.40	-24.94	-4.36	-8.65	-2.20	-21.31	-14.85
Canada	-8.04	-6.76	10.60	-4.85	-17.13	-11.09	-6.70	-0.47	-4.11	-16.01
Rep. of China	-2.34	85.03	251.56	490.62	380.60	18.41	80.41	247.60	479.60	453.51
Peoples Rep., China	8.41	-24.85	-53.94	-40.12	-44.87	12.26	-19.12	-49.95	-39.56	-40.54
Hong Kong	9.18	24.75	63.65	81.12	48.32	-5.37	8.00	33.46	28.16	25.58
Indonesia	-28.62	-61.06	-62.46	-38.37	-12.43	-20.48	-42.72	-62.16	-56.41	-61.00
Japan	44.30	102.54	180.15	188.03	197.14	56.53	122.68	211.65	212.63	263.91
Korea	27.03	371.80	1251.37	2726.19	2891.25	0.20	424.94	1301.50	3096.60	4043.06
Malaysia	-6.58	-31.69	-44.12	-45.91	-52.58	-8.60	-15.62	-19.29	-31.35	-28.08
New Zealand	-15.92	-31.82	-50.09	-41.21	-66.87	-3.00	-36.77	-39.26	-51.42	-53.50
Philippines	-1.80	-2.81	-21.28	-21.93	-35.44	-14.98	-11.55	-35.19	-28.30	-36.69
Singapore	-21.80	-52.97	-53.81	-40.34	-39.83	-23.49	-41.90	-33.28	3.91	10.25
Thailand	18.07	21.16	-16.71	0.34	-2.59	11.67	23.00	-6.22	-1.60	4.61
USA	-1.70	-9.38	-14.50	-23.53	-20.30	-11.18	-17.84	-27.48	-27.90	-23.05
USSR	8.40	2.89	-8.90	-21.49	-20.42	16.60	18.64	17.43	23.59	39.03
Western Europe	9.62	15.03	20.20	23.59	19.21	7.63	9.14	13.03	12.52	12.43
Middle East Oil	99.58	87.18	89.14	175.52	426.92	106.35	102.69	119.77	146.20	81.29
Other Middle East	-56.69	-62.15	-67.08	-68.99	-75.95	-57.46	-62.23	-65.86	-68.48	-71.98
Africa Oil	-22.49	37.24	69.81	89.80	148.16	-24.25	42.77	81.26	49.56	3.21
Other Africa	-15.28	-25.71	-37.00	-46.08	-53.31	-12.03	-20.52	-32.54	-38.10	-44.50
West. Hem. Oil	0.75	-20.88	-44.30	-57.62	-51.44	3.49	-16.17	-36.28	-65.20	-80.28
Other West. Hem.	-25.52	-31.06	-40.59	-43.84	-49.60	-14.78	-24.92	-40.19	-45.46	-46.99
Socialist Asia	8.86	-37.65	-57.76	-68.41	-78.20	17.21	-39.85	-59.52	-69.95	-77.47
Other Asia	-22.80	-34.65	-54.96	-62.13	-69.17	-24.27	-34.13	-49.95	-56.89	-59.97
Socialist ROW	-1.21	18.09	6.12	-1.62	-22.48	6.27	33.99	35.01	51.61	54.79
Rest of Oceania	-48.22	-66.37	-60.00	-66.80	-74.29	-44.25	-67.55	-61.67	-72.53	-85.50

Table 2

Changes in Export Shares and Components of Change, 1955 to 1975, in Percent

	Current Prices			Constant (1955) Prices					
	Export Share	Competitiveness	Market Size	Export Share	Competitiveness	Market Size			
Australia	-24.94	-24.85	12.61	-14.85	-15.01	5.78	Inter- action	-12.70	-5.62
Canada	-17.13	-12.86	-1.76	-16.01	-8.09	-7.37		-2.51	-0.55
Rep. of China	380.60	353.82	131.56	453.51	440.35	106.57		-104.77	-93.42
Peoples Rep., China	-44.87	-45.47	14.88	-40.54	-46.17	51.96		-14.28	-46.33
Hong Kong	48.32	54.46	6.27	25.58	34.56	4.86		-12.41	-13.83
Indonesia	-12.43	-31.88	9.94	-61.00	-67.24	3.83		9.50	2.41
Japan	197.14	222.75	-4.12	263.91	289.95	-3.61		-21.48	-22.43
Korea	2891.25	2566.29	64.61	4093.06	3801.12	46.35		260.35	245.59
Malaysia	-52.58	-54.68	6.36	-28.08	-29.65	-0.13		-4.26	1.70
New Zealand	-66.87	-63.88	4.70	-53.50	-48.72	-0.19		-7.69	-4.59
Philippines	-35.44	-48.26	22.05	-36.69	-46.15	11.00		-9.23	-1.54
Singapore	-39.83	-27.57	-2.51	10.25	26.49	-2.92		-9.75	-13.31
Thailand	-2.59	-11.05	34.16	4.61	-3.50	24.27		-25.70	-16.15
USA	-20.30	-15.11	1.52	-23.05	-15.22	-2.66		-6.71	-5.17
USSR	-20.42	-14.68	-22.44	39.03	22.66	-4.76		16.70	21.12
Western Europe	19.21	18.27	-1.01	12.43	13.85	-3.18		1.95	1.76
Middle East Oil	426.92	347.76	9.52	81.29	63.86	3.29		69.64	14.15
Other Middle East	-76.95	-78.49	4.16	-71.98	-73.49	1.69		-2.62	-0.18
Africa Oil	148.16	149.92	4.63	3.21	9.83	-0.90		-6.39	-5.72
Other Africa	-53.31	-52.65	0.78	-44.50	-41.92	-3.75		-1.44	1.17
West. Hem. Oil	-51.44	-45.66	-16.78	-80.28	-76.66	-21.09		11.00	17.47
Other West. Hem.	-49.60	-47.08	-1.50	-46.99	-42.33	-6.10		-1.02	1.44
Socialist Asia	-78.20	-74.07	-1.30	-77.47	-77.01	22.75		-2.83	-23.21
Other Asia	-69.17	-75.26	8.93	-59.97	-67.04	6.05		-2.84	1.03
Socialist ROW	-22.48	-27.75	1.44	54.79	16.99	29.81		3.83	7.99
Rest of Oceania	-74.29	-71.63	6.06	-85.50	-83.50	11.22		-8.72	-13.22

Table 5
Price Coefficients (α_{ij})

DEST	AUST	CANA	ROC	PRC	UK	INDO	JAPN	KREA	MALA	NEWZ	PHIL	SING	THAI	USA	USSR	WEUR	MEO	OME	AFRO	CAFR	MHO	OMH	SOAS	OASA	SORW	ROCE	
AUST	0	-0.586†	-0.983	-1.460	-0.414	-0.482	-0.738*	-0.901	-1.047*	-0.366*	-0.101	-0.759	-0.295	-0.452	-2.804	-0.620*	-1.679	-2.581*	-2.208	-1.839*	-1.090	-0.988	-1.095	-0.715	-8.609*	-2.063*	
CANA		0	-8.082*	-15.600*	-1.022	-0.853*	-0.395	-0.405	-0.291	-0.703	-0.402	-2.136†	-1.145	-0.054	-16.460*	-0.112	-3.128	-12.560*	-0.923	-1.977	-0.291	-0.189	-0.214	-4.685*	-0.287	-8.609*	-2.297
ROC			0	0	-0.977*	-0.291	-0.395	-0.405	-0.291	-0.703	-0.402	-2.136†	-1.037	-0.830†	0	-0.889*	-0.690	-12.560*	-0.923	-1.977	-0.291	-0.189	-0.214	-4.685*	-0.287	-8.609*	-2.297
PRC				0	0	-0.148	-2.053	0	0	-0.879	-0.879	-3.990	-0.401	-1.306*	-0.743†	-0.551	-1.611	-3.246*	-4.259	-1.863	-0.289	-1.368	-0.020	-2.866*	-0.287	-8.609*	-2.297
UK					0	-1.347	-0.363	0	0	-0.879	-0.879	-3.990	-0.401	-1.306*	-0.743†	-0.551	-1.611	-3.246*	-4.259	-1.863	-0.289	-1.368	-0.020	-2.866*	-0.287	-8.609*	-2.297
INDO						0	-0.023	-0.428	-0.156	-1.452*	-1.675	-0.423	-0.423	-0.251	-0.251	-0.364*	-0.495	-0.495	-1.863	-0.289	-1.368	-0.020	-2.866*	-0.287	-8.609*	-2.297	
JAPN							0	-3.108*	-0.428	-0.756	-1.087	-0.284	-2.466*	-0.228	-7.862†	-0.370	-0.025	-2.987*	-0.973	-1.229	-0.365	-1.291	-1.659†	-0.298	-8.609*	-2.297	
KREA								0	-3.215*	-8.510	-12.040*	-0.256	-1.681*	-1.539*	0	-0.819†	-1.965	-1.342	-1.867	-1.229	-0.365	-1.291	-1.659†	-0.298	-8.609*	-2.297	
MALA									0	-1.153	-0.272	-0.493	-6.286	-0.015	-4.264	-0.353†	-1.508	-0.044	-0.044	-1.059	-1.059	-0.024	-0.251	-0.266	-8.609*	-2.297	
NEWZ										0	-0.418	-1.107	-4.871	-0.142	-0.142	-1.307*	-1.775	-0.579	-8.244	-2.194	-1.244	-0.361	-0.458	-0.743	-8.609*	-2.297	
PHIL											0	-0.651	-0.651	-0.531	-0.124	-0.785†	-0.032	-2.040*	-0.138	-1.577	-0.969	-2.936*	-2.259	-3.383	-8.609*	-2.297	
SING												0	-0.651	-0.531	-0.124	-0.785†	-0.032	-2.040*	-0.138	-1.577	-0.969	-2.936*	-2.259	-3.383	-8.609*	-2.297	
THAI													0	-1.428*	-0.124	-0.677*	-2.209*	-0.328	-0.007	-0.568*	-1.791*	-0.467*	-1.622	-0.936	-3.935	-4.072	
USA														0	-0.124	-0.677*	-2.209*	-0.328	-0.007	-0.568*	-1.791*	-0.467*	-1.622	-0.936	-3.935	-4.072	
USSR															0	-1.674*	-1.441	-0.203	-0.203	-3.712	-3.712	-0.277	-0.277	-30.170	-8.609*	-2.297	
WEUR																0	-0.569	-0.434	-0.873	-0.649	-0.080	-0.129	-0.277	-30.170	-8.609*	-2.297	
MHO																	-0.144	-0.434	-0.873	-0.649	-0.080	-0.129	-0.277	-30.170	-8.609*	-2.297	
MEO																	-0.144	-0.434	-0.873	-0.649	-0.080	-0.129	-0.277	-30.170	-8.609*	-2.297	
OME																	-0.144	-0.434	-0.873	-0.649	-0.080	-0.129	-0.277	-30.170	-8.609*	-2.297	
AFRO																	-0.144	-0.434	-0.873	-0.649	-0.080	-0.129	-0.277	-30.170	-8.609*	-2.297	
CAFR																	-0.144	-0.434	-0.873	-0.649	-0.080	-0.129	-0.277	-30.170	-8.609*	-2.297	
MHO																	-0.144	-0.434	-0.873	-0.649	-0.080	-0.129	-0.277	-30.170	-8.609*	-2.297	
MHO																	-0.144	-0.434	-0.873	-0.649	-0.080	-0.129	-0.277	-30.170	-8.609*	-2.297	
OMH																	-0.144	-0.434	-0.873	-0.649	-0.080	-0.129	-0.277	-30.170	-8.609*	-2.297	
SOAS																	-0.144	-0.434	-0.873	-0.649	-0.080	-0.129	-0.277	-30.170	-8.609*	-2.297	
OASA																	-0.144	-0.434	-0.873	-0.649	-0.080	-0.129	-0.277	-30.170	-8.609*	-2.297	
SORW																	-0.144	-0.434	-0.873	-0.649	-0.080	-0.129	-0.277	-30.170	-8.609*	-2.297	
ROCE																	-0.144	-0.434	-0.873	-0.649	-0.080	-0.129	-0.277	-30.170	-8.609*	-2.297	

Note: Coefficients with * and † are significant at the 5 percent level and the 10 percent level, respectively.

Table 6
Net Trend Coefficients (a_{211})

DEST	AUST	CANA	ROC	PRC	HK	INDO	JAPN	KREA	MALA	NEWZ	PHIL	SING	THAI	USA	USSR	WEUR	MED	OME	AFRO	OAFR	WRO	OHIE	SOAS	OASA	SORW	ROCE
AUST	0	0.018†	0.023	0.091	-0.016	0.040*	-0.003	0.026	0.050	0.005	0.035	0.026†	0.007	0.008	0.398†	-0.067*	0.043	0.036†	0.093	0.005	0.001	0.042*	0.052	0.006	0.006	0.047*
CANA	0	0.004	0.004	0.469*	-0.023	0.005*	0.005*	-0.008	-0.008	-0.008	0.033	-0.008	0.033*	0.003†	0.224*	-0.040*	0.024*	0.024*	0.091†	-0.021*	-0.001	0.034	-0.043	0.034	0.034	0.085*
ROC	-0.002	0	0	0	0.039*	0.003	0.003	0.006	0.032†	0.131*	0.131*	0.019	0.061*	0.101†	0	0.136*	-0.059*	-0.023*	0.405*	0.120*	0.014	-0.043	0.0003	-0.047*	0.487*	
PRC	0.006	0.020	0	0	-0.012	-0.027	0	0	0	0.011	0.011	0.019	-0.015	0.0001	-0.006	0.024*	-0.023*	-0.023*	0.018	0.014	0.235	0.012	0.007	0.0003	-0.047*	0.487*
HK	0.027†	0.037*	0.791†	-0.096*	-0.064*	0	0.033*	0	0.033*	-0.103*	-0.103*	0.011	-0.180*	0.0001	0.024*	0.024*	0.043	0.043	0.043*	-0.001	0.636	0.012	-0.121*	0.0003	-0.047*	0.487*
INDO	-0.067*	0.018	0.013	0.120†	0	0.056*	0	0.001	0.026	-0.153*	0.008	0.051*	0.020*	-0.010	-0.072*	-0.061*	0.043	0.043	0.043*	-0.001	0.636	0.012	-0.121*	0.0003	-0.047*	0.487*
JAPN	0.044	0.018	0.013	0.120†	0	0.056*	0	0.001	0.026	-0.153*	0.008	0.051*	0.020*	-0.010	-0.072*	-0.061*	0.043	0.043	0.043*	-0.001	0.636	0.012	-0.121*	0.0003	-0.047*	0.487*
KREA	0.138*	-0.016	0.082	0.026	0.091*	-0.040	-0.017*	-0.013	0	-0.017	-0.009	0.041	0.666*	-0.018*	0.129	-0.053*	0.795*	0.005	0.008	0.008	0.047†	0.065*	0.008	0.017†	0.125*	
MALA	-0.032*	0.007	0.149	0.130	0.077	0.561*	0.020	0.719*	0.064*	0	0.041	0.079*	0.209	-0.021†	-0.009	0.369†	-0.020	-0.020	0.025	0.008	-0.160†	0.065*	0.008	0.017†	0.125*	
NEWZ	0.022*	0.007	0.149	0.130	0.077	0.561*	0.020	0.719*	0.064*	0	0.041	0.079*	0.209	-0.021†	-0.009	0.369†	-0.020	-0.020	0.025	0.008	-0.160†	0.065*	0.008	0.017†	0.125*	
PHIL	0.057*	0.021†	-0.013	0.442	0.022	0.307*	-0.022*	-0.031†	0.073	0.026	0	0.079*	0.209	-0.021†	-0.009	0.369†	-0.020	-0.020	0.025	0.008	-0.160†	0.065*	0.008	0.017†	0.125*	
SING	-0.003	0.006	-0.013	-0.008	-0.299	-0.041	-0.008	-0.008	-0.008	-0.113	-0.113	0	-0.009	0.008	-0.033	-0.008	0.039	0.117	0.090	0.031*	0.005	0.014	-0.009	-0.002	0.004	
THAI	0.086*	0.091*	-0.047	0.005	0.005	-0.093	-0.037	0	0.091	0.162	0.353	0.080*	0	-0.011	0.256*	-0.016*	-0.008	0.010	0.008	-0.0001	-0.016*	0.014	-0.009	-0.002	0.004	
USA	0.004	-0.040	0	-0.096	0.005	-0.093	-0.037	0	0.091	0.162	0.353	0.080*	0	-0.011	0.256*	-0.016*	-0.008	0.010	0.008	-0.0001	-0.016*	0.014	-0.009	-0.002	0.004	
USSR	-0.019	-0.040	0	-0.096	0.005	-0.093	-0.037	0	0.091	0.162	0.353	0.080*	0	-0.011	0.256*	-0.016*	-0.008	0.010	0.008	-0.0001	-0.016*	0.014	-0.009	-0.002	0.004	
WEUR	-0.019*	-0.009*	0.049	0.071	-0.007	-0.012	0.001	-0.020*	-0.043*	-0.002	-0.013	0.011	0.086	-0.024†	0.013	0.003	-0.008†	0.002	-0.013*	-0.002	-0.007†	-0.003	-0.012	-0.001	0.143†	
WRO	-0.011	-0.009*	0.049	0.071	-0.007	-0.012	0.001	-0.020*	-0.043*	-0.002	-0.013	0.011	0.086	-0.024†	0.013	0.003	-0.008†	0.002	-0.013*	-0.002	-0.007†	-0.003	-0.012	-0.001	0.143†	
OME	0.052	0.051	-0.009	0.002	-0.009	0.002	-0.022	-0.022	-0.022	-0.046	-0.046	-0.010	-0.010	-0.005	-0.002	-0.002	-0.059*	-0.059*	0.009	-0.007	0.327	0.061†	-0.010	-0.001	0.143†	
AFRO	-0.052	0.217	0.398	0.233*	-0.122	0.354	-0.134	0.354	-0.134	0.311	0	0.311	0.086	-0.024†	0.013	0.003	-0.008†	0.002	-0.013*	-0.002	-0.007†	-0.003	-0.012	-0.001	0.143†	
OAFR	-0.043*	0.003	0.050	0.091*	-0.041*	0.005	-0.020*	-0.043*	0.005	-0.463*	-0.463*	-0.009	0.086	-0.024†	0.013	0.003	-0.008†	0.002	-0.013*	-0.002	-0.007†	-0.003	-0.012	-0.001	0.143†	
WRO	-0.181*	-0.010	0.568*	0.040	-0.469	-0.011	-1.146*	0.211	-0.059	-0.521*	-0.521*	-0.041	0.261	-0.041	-0.841	-0.038*	0.505	-0.148*	-0.003	-0.124*	-0.032	-0.046	-0.043	0.061		
OHIE	0.003	-0.020†	0.088	0.080	0.021	-0.0001	-0.007	0.048	0.144	-0.076*	-0.022	0.105	0.073	-0.008	0.033	-0.028*	-0.028*	0.100	-0.268†	0.020	0.020	0.022	0.115	0.0001	0.021	
SOAS	0.096	0.021	-0.034	0.079	0.105	0.277	0.277	0.105	0.277	0.277	-0.046	-0.046	-0.044	-0.022	-0.044	-0.022	-0.022	0.100	-0.268†	0.020	0.020	0.022	0.115	0.0001	0.021	
OASA	-0.009	0.005	-0.034*	-0.038	-0.039*	-0.073*	-0.073*	-0.039*	-0.073*	-0.052	-0.052	-0.044	-0.044	-0.030	-0.030	-0.053*	-0.053*	0.100	-0.268†	0.020	0.020	0.022	0.115	0.0001	0.021	
SORW	0.062	0.003	0	-0.014	0.096	-0.016	-1.805*	0.090	-0.044	0.034	-0.044	0.034	-0.044	0.015	0.015	-0.030	-0.021	0.100	-0.268†	0.020	0.020	0.022	0.115	0.0001	0.021	
ROCE	-0.032†	-0.012	0.394	0.518†	-0.006	0.518†	-0.006	0.518†	-0.006	0.086*	-0.248*	1.489	0.028	1.489	0.028	-0.010	0.064	0.051	0.064	0.051	0.471*	-0.316	0.033	0.033	0.062*	

Note: Coefficients with * and † are significant at the 5 percent level and the 10 percent level, respectively.

Table 7
Lagged Share Coefficients ($a_{i,j}$)

DEST	AUST	CANA	ROC	PRC	UK	INDO	JAPN	KREA	MALA	NEWZ	PHIL	SING	TWAI	USA	USSR	WEUR	MEO	OME	AFRO	OALF	WHO	OME	SOAS	OASA	SORW	ROCE
AUST	0	0.531*	0.617*	0.269	0.593*	0.568*	0.547*	0.795	0.557*	0.442	0.442	0.450*	0.808*	0.514*	0.129	0.044	0.273	0.120	0.620*	0.620*	0.620*	0.620*	0.613*	0.119	0.153	
CANA		0	0.388†	0.591*	0	0.520*	0.320	0.236	0.906*	0.154	0.154	0.364	0.041	0.616*	0.041	0.088			0.372	0.155	0.808*		0.962*		0.284	
ROC		0.945*	0	0	0	0.537*	0	0	0	0.154	0.553*	0.171	0.312	0.524*	0	0.230			0.693*	0.623*	0.322		0.302		0.302	
PRC		0.547*	0	0	0	0.517*	0	0	0	0.154	0.553*	0.171	0.312	0.524*	0	0.230			0.693*	0.623*	0.322		0.302		0.302	
HK		0.632*	0	0	0	0.517*	0	0	0	0.154	0.553*	0.171	0.312	0.524*	0	0.230			0.693*	0.623*	0.322		0.302		0.302	
INDO		0.208	0.627*	0.673*	0	0.260	0	0.624*	0.758*	0.604*	0.604*	0.219	0.425*	0.954*	0.378	0.490*	0.208	0.620*	0.620*	0.620*	0.620*	0.405	0.190	0.038	0.188	
JAPN		0.469*	0.627*	0.673*	0	0.260	0	0.624*	0.758*	0.604*	0.604*	0.219	0.425*	0.954*	0.378	0.490*	0.208	0.620*	0.620*	0.620*	0.620*	0.405	0.190	0.038	0.188	
KREA		0.532*	0.084	0	0	0.425*	0	0.002	0.044	0.044	0.831*	0.522*	0.886*	0.708*	0	0.610*	0.348	0.620*	0.620*	0.620*	0.620*	0.405	0.190	0.038	0.188	
MALA		0.352	0.775*	0.785*	0	0.680*	0.827*	0.050†	0	0.722*	0.831*	0.470*	0.122	0.620*	0.046	0.870*	0.611*	0.474*	0.620*	0.620*	0.620*	0.405	0.190	0.038	0.188	
NEWZ		0.376*	0.526*	0.445*	0.109	0.418†	0.312	0.143	0.470*	0	0.722*	0.470*	0.122	0.620*	0.046	0.870*	0.611*	0.474*	0.620*	0.620*	0.620*	0.405	0.190	0.038	0.188	
PHIL		0.581*	0.709*	0.663*	0.445*	0.160	0.770*	0.770*	0.243	0	0.256	0.079	0.602*	0.825*	0.286*	0.873*	0.661*	0.194	0.611*	0.611*	0.611*	0.405	0.190	0.038	0.188	
SING		0.922*	0.845*	0.043	0.613*	0.649*	0.789*	0.789*	0.042	0.074	0.074	0	0.591*	0.825*	0.286*	0.873*	0.661*	0.194	0.611*	0.611*	0.611*	0.405	0.190	0.038	0.188	
TWAI		0.221	0.128	0	0.372	0.679*	0.228	0.061	0.379*	0.451†	0.060	0.081	0	0.579*	0	0.610*	0.348	0.620*	0.620*	0.620*	0.620*	0.405	0.190	0.038	0.188	
USA		0.679*	0.228	0	0.372	0.679*	0.228	0.061	0.379*	0.451†	0.060	0.081	0	0.579*	0	0.610*	0.348	0.620*	0.620*	0.620*	0.620*	0.405	0.190	0.038	0.188	
USSR		0.593*	0	0.534†	0	0.343	0.891*	0	0.645*	0	0.831*	0.470*	0.122	0.620*	0.046	0.870*	0.611*	0.474*	0.620*	0.620*	0.620*	0.405	0.190	0.038	0.188	
WEUR		0.312	0.627*	0	0.715*	0.471*	0.380	0.329	0.405*	0.405*	0.536*	0.536*	0.150	0.825*	0.286*	0.873*	0.661*	0.194	0.611*	0.611*	0.611*	0.405	0.190	0.038	0.188	
MEO		0.545*	0	0	0.591*	0	0.591*	0	0.005	0.317	0.520*	0.082	0	0.579*	0	0.610*	0.348	0.620*	0.620*	0.620*	0.620*	0.405	0.190	0.038	0.188	
OME		0.993*	0.112	0.569*	0	0.343	0.891*	0	0.645*	0	0.831*	0.470*	0.122	0.620*	0.046	0.870*	0.611*	0.474*	0.620*	0.620*	0.620*	0.405	0.190	0.038	0.188	
AFRO		0.213	0.600*	0.422†	0.590*	0.233	0.380	0.329	0.405*	0.405*	0.536*	0.536*	0.150	0.825*	0.286*	0.873*	0.661*	0.194	0.611*	0.611*	0.611*	0.405	0.190	0.038	0.188	
OALF		0.247	0.865*	0.230	0.230	0.725*	0.725*	0.383	0.383	0.383	0.383	0.480†	0.480†	0.344†	0.344†	0.702*	0.198	0.086	0.560*	0.560*	0.560*	0.405	0.190	0.038	0.188	
WHO		0.573*	0.652*	0.543*	0.587*	0.164	0.606*	0.240	0.380	0.364	0.480†	0.480†	0.480†	0.778*	0.284	0.239	0.239	0.086	0.560*	0.560*	0.560*	0.405	0.190	0.038	0.188	
OME		0.151	0.523*	0.490*	0.490*	0.462†	0.357*	0.106	0.231	0.064	0.486*	0.486*	0.486*	0.778*	0.284	0.239	0.239	0.086	0.560*	0.560*	0.560*	0.405	0.190	0.038	0.188	
SOAS		0.191	0.804*	0.394†	0.394†	0.074	0.221	0.064	0.064	0.064	0.606*	0.606*	0.606*	0.778*	0.284	0.239	0.239	0.086	0.560*	0.560*	0.560*	0.405	0.190	0.038	0.188	
OASA		0.137	0.628*	0.166	0.500*	0.500*	0.735*	0.735*	0.735*	0.735*	0.735*	0.735*	0.735*	0.735*	0.735*	0.735*	0.735*	0.735*	0.735*	0.735*	0.735*	0.735*	0.735*	0.735*	0.735*	

Notes: Coefficients with * and † are significant at the 5 percent level and the 10 percent level, respectively.

Table 8

Long-Run Share-Price Elasticities $\{a_{1ij}/(1-a_{3ij})\}$

DEST	AUST	CANA	ROC	PRC	HK	INDO	JAPN	KREA	MALA	NEWZ	PHIL	SING	THAI	USA	USSR	WEUR	MEO	OME	AFRO	OAFR	WHO	OMH	SOAS	OASA	SORW	ROCE
AUST	0	-1.249	-2.567	-1.460	-0.566	-1.184	-1.708	-1.989	-1.445	-0.826	-0.181	-1.380	-1.536	-0.930	-3.219	-0.649	-2.309	-2.933	-2.208	-4.839	-2.868	-0.988	-2.829	-0.812	-2.438	
CANA		0	-13.206	-19.427	-2.439		-0.863			-7.479		-3.358	-1.194	-0.141	-17.164	-0.123	-3.128		-3.148	-0.344	-0.984				-8.699	
ROC			0	0	-2.035		-0.581	-0.516	-0.381	-0.475		-3.990	-1.527	-1.744	0	-1.155	-0.690		-12.540	-0.923			-5.632		-0.218	
PRC				0	-0.228	-4.434		0		-1.966			-1.383	-36.278		-2.527			-4.781	-8.191	-2.018		-4.106		-0.411	
HK					0	-2.789	-0.383			-1.474	-2.021		-0.615		-0.673	-0.618		-1.793		-0.381	-4.933	-0.020	-4.106		-0.257	
INDO						0	-0.043			-3.124	-2.745	-0.364	-4.289	-38.000	-12.640	-0.725	-0.032	-2.987	-2.561		-3.794		-3.150		-4.278	
JAPN						-1.566	0	-8.266		-8.902	-12.040	-0.536	-14.491	-5.271	0	-1.587	-3.014	-1.342	-1.867		-2.066	-0.497	-1.291	-2.048	-0.310	
KREA						-2.564	-0.550	0	-3.221	-8.902	-12.040	-0.536	-14.491	-5.271	0	-1.587	-3.014	-1.342	-1.867		-2.066	-0.497	-1.291	-2.048	-0.310	
MALA						-5.519	-0.960	-1.628	0	-4.147	-1.609			-0.459	-0.154	-0.392	-1.460	-0.084			-78.681		-6.442	-0.802	-0.266	
NEWZ						-2.883	-0.100	-1.042	-0.168			-0.930	-7.159	-0.039	-4.470	-0.583	-1.855				-1.136		-0.034	-1.395	-0.725	
PHIL						-4.431	-0.399	-4.757	-1.152	-0.552	0	-1.488	-5.289	-0.357	-2.944	-2.024	-0.991	-2.193	-2.798	-1.457			-6.652	-1.994	-5.483	
SING						-3.943	-20.689	-7.521		-1.354	-2.564	0	-1.592	-3.034	-0.174	-6.161	-0.094	-0.377	-1.318	-1.118			-0.930	-4.362	-7.076	
THAI						-0.083			-0.365	-10.960	-1.666	-0.072	0	-3.392		-2.232	-0.167	-1.690			-1.404	-5.907	-3.881		-1.293	
USA						-0.053	-6.294		-1.325	-1.927	-3.077	-2.064	-1.477	0	-0.139	-0.905	-3.068	-0.652	-0.016	-2.367	-2.751	-0.650	-1.748	-4.197	-33.347	
USSR						-0.053	-6.294		-3.180	-3.179	-20.230			-3.986	0	-16.740	-1.732			-7.394			0		-30.170	
WEUR						-1.958	-2.053		-5.434	-0.724	-0.019	-75.277	-0.388	-4.099	-1.171	-1.044	-0.925	-0.873	-1.475	-1.475	-0.110	-0.454		-0.606		
MEO						-1.562			-0.949	-0.847	-0.413	-5.165	-0.856	-0.887	-8.094	-0.340	-2.529	-3.038	-0.595	-0.986	-1.854	-0.457	-4.016	-5.953	-0.866	
OME						-1.443			-2.974			-4.773		-0.979		-2.847	-0.203			-6.524	-0.781		-1.337			
AFRO						-3.485			-8.709	-14.271	0	-3.990		-4.174	-1.285	-4.767	-4.297	-10.767	-0.459	-5.923	-1.925	-5.995	-0.271	-2.698	-5.286	
OAFR						-0.681			-3.794	0	-29.730	-1.307	-16.889	-6.531	-4.984		-5.412	-1.464	-2.089	0	-1.316	-6.229	-29.123		-0.746	
WHO						-0.233	-4.076	-0.528	-6.036	-0.643		-0.476	-3.185	-0.194	-1.818	-0.745	-4.283	-1.861	-1.597	-0.516	-2.992	-1.347			-1.021	
OMH						-11.012	-4.162	-4.997	-6.992	-2.822	-4.027	-0.415	-3.008	-0.667	-0.606	-0.921					-2.938				-2.660	
SOAS						-74.430				-2.166		-0.541		-1.412	-3.231		-21.609					-82.698	-0.248		-29.340	
OASA						-0.961	-4.075	-3.308	-0.259		-0.258		-7.521		-1.961	-1.704		-0.992			-1.987				-1.314	
SORW						-0.149	-1.960	-54.840		-3.901	-45.920		-1.232	-5.194		-0.586				-1.217	-0.083				-8.349	
ROCE						-35.760	-3.302		-1.387	-2.938		-13.500	-0.782				-3.737	-4.019	-9.807	-16.925			-0.985	-7.044	-1.584	

Table 9

Arithmetic Means and Weighted Averages of Estimated Short-Term
and Long-Term Share-Price Elasticities in 26 Import Markets

Country or Region	Short-Term		Long-Term	
	Arithmetic Mean	Weighted Average	Arithmetic Mean	Weighted Average
Australia	-1.239	-0.518	-28.303	-1.051
Canada	-1.243	-0.612	-3.552	-1.839
Republic of China	-2.579	-3.088	-3.662	-4.064
People's Rep. of China	-3.554	-2.659	-7.813	-6.268
Hong Kong	-1.314	-0.557	-2.111	-1.182
Indonesia	-7.731	-2.057	-10.509	-4.599
Japan	-0.791	-0.881	-2.113	-1.632
Korea	-9.756	-4.070	-10.757	-5.975
Malaysia	-2.168	-0.634	-2.576	-0.848
New Zealand	-2.278	-0.269	-3.660	-0.670
Philippines	-9.657	-6.451	-11.772	-9.603
Singapore	-1.237	-0.467	-1.584	-0.684
Thailand	-3.234	-2.232	-4.783	-3.017
USA	-0.859	-0.349	-5.999	-3.228
USSR	-3.583	-2.726	-4.266	-2.865
Western Europe	-0.606	-0.353	-2.146	-1.367
Middle East Oil	-1.697	-1.128	-2.264	-1.662
Other Middle East	-1.360	-0.556	-1.982	-1.008
African Oil	-3.469	-0.898	-5.457	-1.043
Other Africa	-1.118	-0.653	-2.474	-1.609
West. Hem. Oil	-2.723	-1.196	-3.683	-1.825
Other West. Hem.	-0.705	-0.476	-1.213	-0.684
Socialist Asia	-5.749	-6.133	-14.332	-16.932
Other Asia	-1.559	-0.693	-2.929	-1.815
Socialist ROW	-1.766	-2.873	-4.616	-21.526
Rest of Oceania	-5.609	-14.073	-6.986	-17.294

Note: See text for discussion of weighting scheme.

Appendix A



TABLE A-1
 IMPORT SHARES (α_{ij}), CURRENT PRICES, 1955
 (PAGE 1 OF 3 PAGES)

ORIGIN	DESTINATION								
	1 AUST	2 CAMA	3 ROC	4 PRC	5 HK	6 INDJ	7 JAPH	8 KREA	9 HALA
1 AUST	0.0	0.0055	0.0030	0.0039	0.0761	0.0165	0.0765	0.0071	0.0301
2 CAMA	0.0322	0.0	0.0025	0.0006	0.0119	0.0075	0.0428	0.0269	0.0077
3 ROC	0.0001	0.0000	0.0	0.0	0.0110	0.0	0.0340	0.0124	0.0031
4 PRC	0.0024	0.0007	0.0	0.0	0.2303	0.0139	0.0380	0.0	0.0009
5 HK	0.0050	0.0011	0.0161	0.0197	0.0	0.0852	0.0119	0.1188	0.0395
6 INDJ	0.0108	0.0002	0.0045	0.0040	0.0042	0.0	0.0340	0.0	0.0417
7 JAPH	0.0299	0.0102	0.1379	0.0177	0.1421	0.1549	0.0	0.1397	0.0244
8 KREA	0.0	0.0001	0.0002	0.0	0.0031	0.0	0.0034	0.0	0.0
9 HALA	0.0187	0.0029	0.0009	0.0010	0.0049	0.0127	0.0283	0.0	0.0003
10 NEWZ	0.0101	0.0027	0.0	0.0002	0.0005	0.0	0.0025	0.0011	0.0011
11 PHIL	0.0002	0.0003	0.0031	0.0004	0.0026	0.0032	0.0282	0.0074	0.0001
12 SING	0.0244	0.0039	0.0049	0.0016	0.0272	0.0099	0.0253	0.0149	0.0879
13 THAI	0.0001	0.0003	0.0004	0.0	0.0475	0.0125	0.0267	0.0003	0.0052
14 USA	0.1236	0.7621	0.7783	0.0	0.0806	0.1151	0.3154	0.5128	0.0104
15 USSR	0.0611	0.0020	0.0	0.6542	0.0007	0.0007	0.0010	0.0	0.0
16 EUR	0.5794	0.1358	0.0223	0.0690	0.2146	0.3296	0.0764	0.1132	0.2185
17 ABO	0.0258	0.0023	0.0245	0.0001	0.0	0.0534	0.0516	0.0	0.0001
18 OMB	0.0308	0.0003	0.0009	0.0155	0.0118	0.0029	0.0224	0.0	0.0036
19 AFGC	0.0001	0.0002	0.0	0.0	0.0	0.0003	0.0000	0.0	0.0005
20 GASK	0.0182	0.0106	0.0013	0.0014	0.0435	0.0131	0.0184	0.0006	0.0062
21 WGC	0.0015	0.0100	0.0	0.0	0.0	0.0	0.0001	0.0	0.0029
22 OWH	0.0001	0.0252	0.0002	0.0034	0.0066	0.0011	0.0679	0.0149	0.0018
23 SCAS	0.0	0.0	0.0	0.0062	0.0077	0.0006	0.0010	0.0	0.0018
24 OASA	0.0455	0.0120	0.0036	0.0052	0.0427	0.0588	0.0672	0.0014	0.0694
25 SUEW	0.0033	0.0028	0.0	0.1457	0.0016	0.0220	0.0125	0.0283	0.0013
26 ACCE	0.0267	0.0047	0.0002	0.0	0.0266	0.0101	0.0254	0.0004	0.0179
TOTAL	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

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ORIGIN	DESTINATION											16 EUR	17 MEX	18 OME	
	10 MEX	11 PHIL	12 SING	13 THAI	14 USA	15 USSR	16 EUR	17 MEX	18 OME						
1 AUS	0.1262	0.0079	0.0340	0.0099	0.0111	0.0001	0.0265	0.0075	0.0106						
2 CAN	0.0321	0.0324	0.0033	0.0078	0.2331	0.0009	0.0302	0.0041	0.0053						
3 AUC	0.0	0.0004	0.0057	0.0140	0.0005	0.0	0.0002	0.0129	0.0009						
4 PRC	0.0011	0.0019	0.0017	0.0002	0.0000	0.2063	0.0031	0.0052	0.0008						
5 HK	0.0038	0.0164	0.0480	0.0970	0.0018	0.0	0.0016	0.0003	0.0030						
6 IND	0.0054	0.0238	0.2119	0.0242	0.0146	0.0012	0.0080	0.0006	0.0005						
7 JPN	0.0112	0.0913	0.0684	0.1953	0.0400	0.0007	0.0049	0.0645	0.0250						
8 KRA	0.0	0.0	0.0002	0.0	0.0006	0.0	0.0000	0.0	0.0						
9 MAL	0.0006	0.0006	0.3333	0.0342	0.0111	0.0000	0.0071	0.0021	0.0030						
10 MEX	0.0	0.0011	0.0014	0.0	0.0037	0.0020	0.0153	0.0	0.0005						
11 PHIL	0.0001	0.0	0.0005	0.0016	0.0210	0.0	0.0019	0.0004	0.0011						
12 SING	0.0224	0.0207	0.0	0.0575	0.0098	0.0001	0.0080	0.0015	0.0						
13 THAI	0.0001	0.0167	0.0022	0.0	0.0092	0.0	0.0007	0.0010	0.0002						
14 USA	0.0778	0.6559	0.0338	0.2263	0.0	0.0002	0.1248	0.2512	0.1313						
15 USSR	0.0001	0.0	0.0	0.0	0.0021	0.0	0.0137	0.0287	0.0106						
16 EUR	0.6326	0.0878	0.2088	0.3029	0.2032	0.1306	0.4815	0.4529	0.5254						
17 MEX	0.0054	0.0212	0.0000	0.0	0.0092	0.0061	0.0208	0.0345	0.0300						
18 OME	0.0158	0.0004	0.0	0.0009	0.0146	0.0074	0.0292	0.0058	0.1118						
19 AFR	0.0	0.0	0.0	0.0	0.0034	0.0007	0.0191	0.0005	0.0022						
20 JPN	0.0081	0.0025	0.0053	0.0012	0.0451	0.0088	0.0765	0.0060	0.0334						
21 MEX	0.0014	0.0011	0.0	0.0	0.0676	0.0	0.0084	0.0	0.0016						
22 OME	0.0047	0.0039	0.0044	0.0	0.2280	0.0116	0.0577	0.0051	0.0111						
23 EUR	0.0	0.0	0.0192	0.0022	0.0045	0.0302	0.0017	0.0017	0.0000						
24 USA	0.0272	0.0122	0.0110	0.0229	0.0231	0.0100	0.0221	0.0893	0.0496						
25 EUR	0.0003	0.0	0.0030	0.0022	0.0387	0.0527	0.0295	0.0122	0.0317						
26 ROC	0.0214	0.0019	0.0	0.0	0.0035	0.0306	0.0073	0.0031	0.0061						
TOTL	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000						

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	ORIGIN						DESTINATION					
	19 AFRO	20 UAFK	21 WHO	22 OMH	23 SOAS	24 OASA	25 SOEM	26 ROCE	27 SOAS	28 OASA	29 SOEM	30 ROCE
1	0.0001	0.0047	0.0011	0.0022	0.0010	0.0288	0.0060	0.1024	0.0009	0.0160	0.0001	0.0004
2	0.0009	0.0160	0.0006	0.0222	0.0001	0.0155	0.0001	0.0004	0.0001	0.0001	0.0001	0.0001
3	0.0001	0.0001	0.0	0.0001	0.0024	0.0	0.0	0.0027	0.0022	0.0001	0.0001	0.0001
4	0.0022	0.0043	0.0011	0.0002	0.1797	0.0098	0.0380	0.0002	0.0001	0.0001	0.0001	0.0001
5	0.0059	0.0049	0.0012	0.0030	0.0206	0.0050	0.0001	0.0382	0.0005	0.0001	0.0001	0.0001
6	0.0005	0.0012	0.0	0.0083	0.0081	0.0025	0.0048	0.0029	0.0040	0.0038	0.0038	0.1090
7	0.0440	0.0308	0.0135	0.0245	0.0594	0.0822	0.0038	0.1090	0.0	0.0000	0.0	0.0
8	0.0	0.0	0.0	0.0	0.0	0.0	0.0000	0.0	0.0001	0.0011	0.0563	0.0
9	0.0005	0.0021	0.0	0.0019	0.0001	0.0084	0.0011	0.0563	0.0005	0.0005	0.0115	0.0115
10	0.0001	0.0006	0.0017	0.0005	0.0	0.0027	0.0022	0.0115	0.0001	0.0001	0.0001	0.0001
11	0.0001	0.0006	0.0033	0.0015	0.0003	0.0002	0.0001	0.0017	0.0001	0.0001	0.0001	0.0017
12	0.0	0.0052	0.0	0.0052	0.0201	0.0134	0.0016	0.0	0.0001	0.0001	0.0001	0.0
13	0.0	0.0007	0.0	0.0001	0.0094	0.0018	0.0001	0.0006	0.0001	0.0001	0.0001	0.0006
14	0.0300	0.1077	0.5348	0.3547	0.0571	0.1136	0.1190	0.1509	0.0001	0.0001	0.0001	0.1509
15	0.0003	0.0001	0.0	0.0036	0.2632	0.0094	0.3227	0.2818	0.0001	0.0001	0.0001	0.2818
16	0.8353	0.259	0.3275	0.2801	0.2281	0.4658	0.1807	0.1101	0.0001	0.0001	0.0001	0.1101
17	0.0012	0.0134	0.0	0.0025	0.0	0.0005	0.0008	0.0013	0.0001	0.0001	0.0001	0.0013
18	0.0008	0.0164	0.0002	0.0037	0.0005	0.0415	0.0135	0.0234	0.0001	0.0001	0.0001	0.0234
19	0.0	0.0072	0.0001	0.0004	0.0019	0.0032	0.0008	0.0110	0.0001	0.0001	0.0001	0.0110
20	0.0390	0.0925	0.0020	0.0019	0.0030	0.0394	0.0009	0.0100	0.0001	0.0001	0.0001	0.0100
21	0.0016	0.0061	0.0099	0.1467	0.0	0.0019	0.0020	0.0014	0.0001	0.0001	0.0001	0.0014
22	0.0066	0.0140	0.0284	0.1199	0.0003	0.0053	0.0028	0.0041	0.0001	0.0001	0.0001	0.0041
23	0.0006	0.0031	0.0	0.0000	0.0369	0.0	0.0205	0.0002	0.0001	0.0001	0.0001	0.0002
24	0.0179	0.0234	0.0012	0.0071	0.0005	0.0993	0.0062	0.0278	0.0001	0.0001	0.0001	0.0278
25	0.0013	0.0173	0.0021	0.0235	0.1053	0.0056	0.2315	0.0832	0.0001	0.0001	0.0001	0.0832
26	0.0011	0.0021	0.0011	0.0049	0.0	0.0061	0.0027	0.0049	0.0001	0.0001	0.0001	0.0049
TOTL	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

TABLE A-II
 EXPORT MARKET SHARES (%), CURRENT PRICES, 1955
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ORIGIN	DESTINATION						9 MALA		
	1 AUS	2 CANA	3 ROC	4 PAC	5 HK	6 INDO		7 JAPN	8 AREA
1 AUS	0.0	0.0140	0.0008	0.0035	0.0270	0.0060	0.0921	0.0011	0.0099
2 CANA	0.0135	0.0	0.0003	0.0002	0.0017	0.0032	0.0209	0.0017	0.0001
3 ROC	0.0008	0.0008	0.0	0.0	0.0552	0.0	0.5985	0.0284	0.0146
4 PAC	0.0033	0.0022	0.0	0.0	0.1033	0.0053	0.0531	0.0	0.0004
5 HK	0.0200	0.0110	0.0140	0.0685	0.0	0.1202	0.0551	0.0724	0.0501
6 INDO	0.0214	0.0009	0.0022	0.0070	0.0028	0.0	0.0787	0.0	0.0264
7 JAPN	0.0269	0.0220	0.0312	0.0140	0.0430	0.0496	0.0	0.0193	0.0070
8 AREA	0.0	0.0290	0.0053	0.0	0.1010	0.0	0.3879	0.0	0.0
9 MALA	0.0375	0.0139	0.0004	0.0017	0.0033	0.0091	0.0571	0.0	0.0000
10 BRZA	0.0258	0.0163	0.0	0.0006	0.0004	0.0	0.0077	0.0004	0.0009
11 PHIL	0.0007	0.0035	0.0036	0.0017	0.0040	0.0032	0.1514	0.0052	0.0001
12 SING	0.0440	0.0170	0.0044	0.0626	0.0165	0.0582	0.0554	0.0041	0.2236
13 THAI	0.0006	0.0045	0.0007	0.0	0.1135	0.0313	0.2222	0.0003	0.0118
14 USA	0.0148	0.2198	0.0234	0.0	0.0032	0.0051	0.0042	0.0094	0.0004
15 USSR	0.0005	0.0022	0.0	0.2734	0.0001	0.0001	0.0006	0.0	0.0
16 EUR	0.0310	0.0175	0.0003	0.0032	0.0039	0.0063	0.0048	0.0009	0.0037
17 MEX	0.0337	0.0071	0.0080	0.0001	0.0	0.0248	0.0788	0.0	0.0000
18 OCE	0.0284	0.0007	0.0002	0.0124	0.0036	0.0039	0.0235	0.0	0.0010
19 AFRO	0.0001	0.0009	0.0	0.0	0.0	0.0002	0.0001	0.0	0.0004
20 CARB	0.0076	0.0107	0.0001	0.0005	0.0061	0.0023	0.0071	0.0000	0.0008
21 MRO	0.0013	0.0212	0.0	0.0	0.0	0.0	0.0001	0.0	0.0008
22 OWH	0.0018	0.0205	0.0000	0.0009	0.0006	0.0001	0.0231	0.0007	0.0002
23 SOIS	0.0	0.0	0.0	0.0244	0.0117	0.0070	0.0051	0.0	0.0026
24 OASA	0.0397	0.0232	0.0001	0.0366	0.0115	0.0167	0.0626	0.0002	0.0177
25 SOEA	0.0011	0.0023	0.0	0.0439	0.0002	0.0027	0.0050	0.0015	0.0002
26 ROCN	0.0643	0.0270	0.0001	0.0	0.0215	0.0086	0.0714	0.0001	0.1138

EXPORT MARKET SHARES (A₁), CURRENT PRICES, 1955
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	ORIGIN	DESTINATION						16 WEUR	17 BEO	18 OME
		10 NEWZ	11 PHIL	12 SING	13 THAI	14 USA	15 USSR			
1	AUST	0.0506	0.0025	0.0169	0.0016	0.0705	0.0022	0.0033	0.0111	
2	CABA	0.0051	0.0042	0.0007	0.0005	0.6036	0.0006	0.0007	0.0022	
3	BOC	0.0	0.0016	0.0005	0.0365	0.0438	0.0	0.0819	0.0130	
4	PBC	0.0006	0.0006	0.0011	0.0000	0.0001	0.4666	0.0035	0.0011	
5	HK	0.0058	0.0200	0.0974	0.0674	0.0006	0.0	0.0006	0.0118	
6	INDO	0.0041	0.0145	0.0214	0.0084	0.1797	0.0000	0.0005	0.0010	
7	JAPN	0.0039	0.0253	0.0287	0.0306	0.2232	0.0010	0.0247	0.0225	
8	KREA	0.0	0.0	0.0097	0.0	0.3932	0.0	0.0	0.0	
9	MAIA	0.0005	0.0004	0.3265	0.0120	0.1379	0.0001	0.0018	0.0061	
10	NEWZ	0.0	0.0008	0.0017	0.0	0.0588	0.0084	0.0	0.0014	
11	PRIL	0.0002	0.0	0.0011	0.0012	0.5960	0.0	0.0007	0.0050	
12	SING	0.0155	0.0115	0.0	0.0182	0.1094	0.0003	0.0011	0.0	
13	THAI	0.0004	0.0366	0.0075	0.0	0.4037	0.0	0.0031	0.0014	
14	USA	0.0036	0.0242	0.0015	0.0047	0.0	0.0006	0.0128	0.0157	
15	USSR	0.0000	0.0	0.0	0.0	0.0062	0.0	0.0058	0.0051	
16	WEUR	0.0130	0.0014	0.0054	0.0026	0.0673	0.0118	0.0103	0.0281	
17	BEO	0.0027	0.0085	0.0000	0.0	0.0743	0.0135	0.0025	0.0003	
18	OME	0.0056	0.0001	0.0	0.0001	0.0826	0.0114	0.0178	0.0022	
19	AFRO	0.0	0.0	0.0	0.0	0.0463	0.0026	0.0005	0.0047	
20	CAFR	0.0013	0.0003	0.0011	0.0001	0.1172	0.0063	0.0012	0.0140	
21	WHO	0.0005	0.0003	0.0	0.0	0.3681	0.0	0.0	0.0014	
22	WH	0.0005	0.0003	0.0005	0.0	0.4107	0.0057	0.0006	0.0032	
23	SOLIS	0.0	0.0	0.0014	0.0017	0.1350	0.2302	0.0033	0.0002	
24	OASA	0.0093	0.0030	0.0042	0.0034	0.1146	0.0135	0.0304	0.0397	
25	SORM	0.0000	0.0	0.0005	0.0001	0.0624	0.0232	0.0318	0.0109	
26	BOCE	0.0197	0.0014	0.0	0.0	0.0527	0.1247	0.0001	0.0107	

	ORIGIN	DESTINATION						26 MOCE	26 MOCE	
		19 AFRC	20 QAFR	21 WHO	22 OWR	23 SOAS	24 OASA			25 SOEM
1	AUST	0.0001	0.0126	0.0007	0.0063	0.0003	0.0367	0.0188	0.0337	1.0000
2	CABA	0.0002	0.0173	0.0111	0.0337	0.0000	0.0060	0.0032	0.0006	1.0000
3	RUC	0.0008	0.0049	0.0	0.0034	0.0144	0.0	0.0	0.0130	1.0000
4	PRC	0.0016	0.0148	0.0009	0.0012	0.0620	0.0161	0.1542	0.0031	1.0000
5	HK	0.0127	0.0502	0.0032	0.0431	0.0260	0.0243	0.0011	0.0485	1.0000
6	INDO	0.0006	0.0060	0.0	0.0598	0.0055	0.0062	0.0289	0.0018	1.0000
7	JAFN	0.0215	0.0716	0.0079	0.0803	0.0183	0.0915	0.0104	0.0314	1.0000
8	KEEA	0.0	0.0	0.0	0.0	0.0	0.0	0.0048	0.0	1.0000
9	MAIA	0.0005	0.0107	0.0	0.0137	0.0000	0.0209	0.0065	0.0361	1.0000
10	MEWZ	0.0001	0.0037	0.0029	0.0084	0.0	0.0084	0.0171	0.0094	1.0000
11	PHIL	0.0002	0.0005	0.0099	0.0256	0.0005	0.0012	0.0007	0.0025	1.0000
12	SING	0.0	0.0242	0.0	0.0404	0.0144	0.0293	0.0089	0.0	1.0000
13	THAI	0.0	0.0128	0.0	0.0044	0.0227	0.0157	0.0011	0.0014	1.0000
14	USA	0.0019	0.0333	0.0475	0.1505	0.0023	0.0168	0.0433	0.0058	1.0000
15	USSR	0.0001	0.0001	0.0	0.0063	0.0430	0.0055	0.4687	0.0431	1.0000
16	MEUR	0.0242	0.0865	0.0114	0.0544	0.0042	0.0308	0.0294	0.0019	1.0000
17	HEO	0.0009	0.0451	0.0	0.0120	0.0	0.0653	0.0033	0.0005	1.0000
18	QHE	0.0004	0.0388	0.0001	0.0124	0.0001	0.0469	0.0374	0.0058	1.0000
19	AFRO	0.0	0.0406	0.0001	0.0032	0.0014	0.0005	0.0053	0.0077	1.0000
20	QAFR	0.0111	0.1004	0.0005	0.0029	0.0004	0.0204	0.0053	0.0013	1.0000
21	WHO	0.0008	0.0138	0.0229	0.4048	0.0	0.0011	0.0053	0.0008	1.0000
22	OWR	0.0010	0.0105	0.0054	0.1267	0.0000	0.0015	0.0290	0.0004	1.0000
23	SOAS	0.0074	0.0354	0.0	0.0002	0.0597	0.0	0.2802	0.0002	1.0000
24	OASA	0.0078	0.0483	0.0006	0.0207	0.0001	0.0982	0.0151	0.0071	1.0000
25	SOEM	0.0002	0.0154	0.0005	0.0294	0.0124	0.0024	0.2427	0.0046	1.0000
26	MOCE	0.0014	0.0133	0.0017	0.0425	0.0	0.0240	0.0198	0.0038	1.0000

Table A-III

Import Shares of World Trade (β_j), Current Prices, 1955

AUST	0.01959
CANA	0.04714
ROC	0.00491
PRC	0.01713
HK	0.00659
INDO	0.00696
JAPN	0.02289
KREA	0.00301
MALA	0.00626
NEWZ	0.00751
PHIL	0.00602
SING	0.00939
THAI	0.00343
USA	0.12129
USSR	0.03321
WEUR	0.41490
MEO	0.00833
OME	0.01957
AFRO	0.01063
OAFR	0.05061
WHO	0.01277
OWH	0.07119
SOAS	0.00669
OASA	0.02421
SORW	0.05952
ROCE	0.00626



Appendix B



COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
1 AUST

COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.01901	0.00000	0.00	0.00	0.00	0.00
1956	0.01814	-0.00088	-4.61	-6.24	2.74	-1.11
1957	0.01934	0.00033	1.71	-0.02	2.58	-0.84
1958	0.01512	-0.00389	-20.48	-15.28	-1.76	-3.44
1959	0.01696	-0.00205	-10.80	-6.88	-0.99	-2.92
1960	0.01600	-0.00301	-15.84	-17.72	2.73	-0.85
1961	0.01763	-0.00139	-7.30	-8.18	6.34	-5.45
1962	0.01663	-0.00238	-12.54	-10.50	5.48	-7.53
1963	0.01824	-0.00077	-4.04	0.90	8.22	-13.16
1964	0.01765	-0.00137	-7.18	-5.54	8.56	-10.20
1965	0.01615	-0.00286	-15.05	-13.53	7.50	-9.01
1966	0.01552	-0.00350	-18.39	-15.69	6.42	-7.12
1967	0.01638	-0.00264	-13.86	-7.64	8.22	-14.44
1968	0.01486	-0.00415	-21.82	-18.58	7.30	-10.53
1969	0.01558	-0.00343	-18.03	-13.45	8.95	-13.52
1970	0.01536	-0.00365	-19.20	-17.03	11.60	-13.77
1971	0.01503	-0.00398	-20.94	-20.69	10.09	-10.35
1972	0.01576	-0.00325	-17.10	-17.50	10.86	-10.47
1973	0.01685	-0.00217	-11.40	-16.09	15.73	-10.44
1974	0.01353	-0.00548	-26.82	-27.10	15.96	-17.68
1975	0.01427	-0.00474	-24.94	-24.85	12.61	-12.70

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
2 CANACOMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.04684	0.00000	0.00	0.00	0.00	0.00
1956	0.04699	0.00016	0.33	1.43	-1.03	-0.06
1957	0.04491	-0.00193	-4.12	0.39	-4.29	-3.22
1958	0.04686	0.00002	0.05	1.00	-0.94	-0.02
1959	0.04626	-0.00057	-1.22	-4.75	3.68	-0.16
1960	0.04307	-0.00377	-8.04	-5.91	-2.43	0.30
1961	0.04419	-0.00264	-5.64	-0.15	-4.71	-0.78
1962	0.04226	-0.00458	-9.77	-3.73	-3.18	-2.86
1963	0.04253	-0.00431	-9.19	-3.39	-4.18	-1.62
1964	0.04487	-0.00197	-4.20	2.03	-5.03	-1.21
1965	0.04367	-0.00317	-6.76	-3.18	-2.52	-1.06
1966	0.04727	0.00043	0.91	1.33	1.61	-2.03
1967	0.04951	0.00267	5.70	5.10	1.95	-1.39
1968	0.05304	0.00620	13.23	7.51	7.68	-1.96
1969	0.05084	0.00401	8.55	5.14	6.10	-2.59
1970	0.05180	0.00497	10.60	9.37	4.85	-3.62
1971	0.05125	0.00442	9.43	5.46	7.60	-3.63
1972	0.04897	0.00213	4.55	0.61	7.79	-3.85
1973	0.04457	-0.00227	-4.85	-5.37	3.28	-2.75
1974	0.04001	-0.00683	-14.57	-15.71	4.02	-2.88
1975	0.03882	-0.00802	-17.13	-12.86	-1.76	-2.51

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
3 ROC

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00131	0.00000	0.00	0.00	0.00	0.00
1956	0.00126	-0.00005	-3.78	-18.57	16.52	-1.73
1957	0.00142	0.00011	8.73	-10.48	25.11	-5.90
1958	0.00151	0.00020	15.65	-2.73	16.87	1.51
1959	0.00142	0.00011	8.32	-10.97	23.52	-4.23
1960	0.00128	-0.00003	-2.34	-17.45	27.03	-11.92
1961	0.00148	0.00017	12.92	-0.30	43.38	-30.16
1962	0.00153	0.00022	17.09	6.88	33.12	-22.91
1963	0.00215	0.00084	64.44	41.68	44.67	-21.92
1964	0.00249	0.00119	90.50	70.51	47.24	-27.26
1965	0.00242	0.00111	85.03	66.22	43.22	-24.41
1966	0.00265	0.00134	102.01	75.76	55.20	-26.95
1967	0.00297	0.00166	126.67	99.63	71.96	-44.92
1968	0.00333	0.00203	154.68	118.02	72.51	-35.65
1969	0.00383	0.00252	192.69	154.99	76.92	-39.22
1970	0.00460	0.00329	251.56	219.02	83.84	-51.30
1971	0.00578	0.00448	341.79	302.42	75.62	-36.25
1972	0.00709	0.00578	441.75	393.15	77.97	-29.37
1973	0.00773	0.00642	490.62	432.90	111.26	-53.54
1974	0.00679	0.00549	418.89	373.34	133.07	-87.53
1975	0.00629	0.00498	380.60	353.82	131.56	-104.77

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
4 PRC

COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.01468	0.00000	0.00	0.00	0.00	0.00
1956	0.01514	0.00146	9.94	5.73	1.60	2.62
1957	0.01488	0.00019	1.33	-6.76	6.59	1.49
1958	0.01869	0.00401	27.31	15.21	8.61	3.49
1959	0.01962	0.00494	33.68	15.12	16.95	1.60
1960	0.01591	0.00123	8.41	-4.90	19.98	-6.67
1961	0.01154	-0.00314	-21.40	-31.27	22.36	-12.51
1962	0.01117	-0.00351	-23.94	-34.94	27.24	-16.25
1963	0.01070	-0.00398	-27.09	-36.41	27.13	-17.81
1964	0.01060	-0.00408	-27.80	-34.69	25.81	-18.92
1965	0.01103	-0.00365	-24.85	-29.71	21.31	-16.46
1966	0.01122	-0.00346	-23.56	-29.51	18.69	-12.76
1967	0.00960	-0.00508	-34.60	-38.03	24.95	-21.51
1968	0.00835	-0.00633	-43.13	-45.61	19.49	-17.01
1969	0.00782	-0.00686	-46.70	-46.58	17.98	-16.10
1970	0.00676	-0.00792	-53.94	-55.89	17.18	-15.22
1971	0.00713	-0.00755	-51.44	-53.66	12.79	-10.57
1972	0.00762	-0.00706	-48.08	-49.96	16.36	-14.46
1973	0.00879	-0.00589	-40.12	-43.85	14.56	-10.79
1974	0.00781	-0.00687	-46.83	-50.08	2.29	0.95
1975	0.00809	-0.00659	-44.67	-45.47	14.66	-14.26

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
5 HK

YEAR	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE					
	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00493	0.00000	0.00	0.00	0.00	0.00
1956	0.00576	0.00083	16.89	6.85	15.97	-5.92
1957	0.00472	-0.00021	-4.34	-9.36	16.73	-11.71
1958	0.00495	0.00002	0.45	-1.36	10.72	-8.91
1959	0.00517	0.00024	4.81	2.09	4.49	-1.77
1960	0.00538	0.00045	9.18	13.13	-4.14	0.19
1961	0.00517	0.00024	4.86	9.94	-2.00	-3.07
1962	0.00546	0.00053	10.74	18.57	-6.20	-1.63
1963	0.00573	0.00080	16.17	23.85	-7.24	-0.44
1964	0.00590	0.00097	19.61	33.58	-14.46	0.49
1965	0.00615	0.00122	24.75	35.05	-12.81	2.50
1966	0.00654	0.00161	32.67	48.51	-10.18	-5.66
1967	0.00717	0.00223	45.32	62.14	-6.91	-5.91
1968	0.00736	0.00243	49.28	58.27	-4.90	-4.09
1969	0.00805	0.00312	63.19	69.49	-2.94	-3.36
1970	0.00807	0.00314	63.65	68.60	-4.64	-0.30
1971	0.00816	0.00323	65.57	68.72	-5.76	2.60
1972	0.00842	0.00348	70.65	75.77	-7.10	1.98
1973	0.00893	0.00400	81.12	83.65	3.28	-5.61
1974	0.00736	0.00242	49.17	54.16	8.08	-13.07
1975	0.00731	0.00238	48.32	54.46	6.27	-12.41

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
6 INDO

COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00988	0.00000	0.00	0.00	0.00	0.00
1956	0.01284	0.00297	30.05	-0.64	20.22	10.47
1957	0.01224	-0.00237	23.97	-2.26	18.22	8.02
1958	0.01249	0.00261	26.43	-0.03	16.88	9.58
1959	0.01164	0.00176	17.82	-7.29	17.64	7.47
1960	0.00705	-0.00283	-28.62	-27.18	-0.37	-1.06
1961	0.00598	-0.00389	-39.40	-34.53	0.43	-5.30
1962	0.00492	-0.00495	-50.17	-45.45	-0.48	-4.24
1963	0.00471	-0.00516	-52.28	-47.03	0.53	-5.77
1964	0.00437	-0.00550	-55.72	-52.51	-2.80	-0.40
1965	0.00385	-0.00603	-61.06	-59.21	-2.85	1.00
1966	0.00336	-0.00652	-65.98	-67.21	-1.23	2.46
1967	0.00317	-0.00670	-67.89	-69.75	0.97	0.85
1968	0.00297	-0.00690	-69.90	-70.79	3.27	-2.38
1969	0.00326	-0.00662	-67.03	-68.80	4.63	-2.67
1970	0.00371	-0.00617	-62.46	-67.99	5.96	-0.43
1971	0.00377	-0.00610	-61.82	-68.31	5.54	0.96
1972	0.00459	-0.00528	-53.48	-62.34	6.05	2.61
1973	0.00609	-0.00379	-38.37	-53.89	11.44	4.08
1974	0.00962	-0.00025	-2.54	-32.67	15.41	14.72
1975	0.00865	-0.00123	-12.43	-31.86	9.94	9.50

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
7 JAPAN

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.02175	0.00000	0.00	0.00	0.00	0.00
1956	0.02447	0.00272	12.51	10.63	3.31	-1.44
1957	0.02560	0.00386	17.73	18.95	2.81	-4.02
1958	0.02563	0.00388	17.67	14.18	1.86	1.83
1959	0.02908	0.00734	33.74	31.89	-1.01	2.85
1960	0.03138	0.00963	44.30	49.32	-4.10	-0.91
1961	0.03140	0.00966	44.40	51.60	-6.10	-1.10
1962	0.03501	0.01326	60.98	71.56	-7.87	-2.71
1963	0.03537	0.01362	62.65	75.46	-9.35	-3.46
1964	0.03817	0.01643	75.54	96.08	-10.93	-9.61
1965	0.04404	0.02230	102.54	123.21	-9.62	-10.86
1966	0.04724	0.02550	117.25	131.63	-8.45	-5.94
1967	0.04751	0.02577	118.49	131.40	-8.45	-4.46
1968	0.05345	0.03170	145.80	152.96	-6.26	-0.89
1969	0.05771	0.03596	165.38	179.95	-7.66	-6.91
1970	0.06092	0.03917	180.15	204.37	-10.06	-14.17
1971	0.06742	0.04567	210.03	233.79	-8.68	-15.07
1972	0.06755	0.04580	210.62	239.33	-10.21	-18.50
1973	0.06263	0.04089	188.03	217.91	-9.02	-20.86
1974	0.06567	0.04393	202.01	227.97	-6.01	-19.94
1975	0.06462	0.04287	197.14	222.75	-4.12	-21.48

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
8 KMLA

COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00020	0.00000	0.00	0.00	0.00	0.00
1956	0.00025	0.00005	27.21	21.24	7.60	-1.82
1957	0.00022	-0.00002	10.82	-1.82	10.66	1.96
1958	0.00016	-0.00004	-20.43	-25.07	5.23	-0.59
1959	0.00017	-0.00003	-13.46	-22.27	14.96	-6.14
1960	0.00025	0.00005	27.03	4.19	15.51	7.33
1961	0.00030	0.00010	48.82	19.35	24.52	4.95
1962	0.00040	0.00020	99.19	60.35	19.12	-0.26
1963	0.00057	0.00037	185.85	181.45	26.48	-22.07
1964	0.00070	0.00050	248.17	213.72	28.53	5.92
1965	0.00094	0.00074	371.80	340.04	26.18	5.58
1966	0.00124	0.00104	518.47	443.24	35.75	39.48
1967	0.00150	0.00130	651.21	545.20	45.63	60.38
1968	0.00192	0.00172	861.74	719.64	48.58	93.52
1969	0.00229	0.00209	1048.03	890.06	50.50	107.46
1970	0.00270	0.00250	1251.37	1030.44	55.48	165.45
1971	0.00310	0.00290	1451.75	1210.91	51.61	189.22
1972	0.00393	0.00373	1867.57	1571.81	53.47	242.30
1973	0.00565	0.00545	2726.19	2095.65	69.35	561.19
1974	0.00542	0.00522	2611.55	2131.71	77.20	402.64
1975	0.00598	0.00578	2891.25	2566.29	64.61	260.35

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
S MALA

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00976	0.00000	0.00	0.00	0.00	0.00
1956	0.00823	-0.00153	-15.68	-30.62	30.05	-15.12
1957	0.00735	-0.00241	-24.65	-36.57	26.57	-14.66
1958	0.00689	-0.00286	-29.35	-36.92	21.49	-13.92
1959	0.00674	-0.00102	-10.45	-22.16	21.75	-10.04
1960	0.00911	-0.00064	-6.58	-7.40	-4.20	5.02
1961	0.00782	-0.00193	-19.83	-21.26	-4.59	6.02
1962	0.00746	-0.00230	-23.57	-23.77	-5.26	5.46
1963	0.00707	-0.00269	-27.56	-28.42	-5.10	5.95
1964	0.00639	-0.00337	-34.52	-29.73	-9.95	5.16
1965	0.00666	-0.00309	-31.69	-26.35	-9.46	4.12
1966	0.00625	-0.00351	-35.98	-31.50	-8.89	4.41
1967	0.00846	-0.00129	-13.27	-17.31	-7.70	13.74
1968	0.00569	-0.00407	-41.69	-41.53	-4.57	4.41
1969	0.00610	-0.00366	-37.47	-36.85	-2.22	1.60
1970	0.00545	-0.00430	-44.12	-45.58	-0.69	2.14
1971	0.00476	-0.00499	-51.19	-52.54	-0.63	1.96
1972	0.00419	-0.00556	-57.03	-57.41	0.09	0.29
1973	0.00528	-0.00448	-45.91	-49.59	6.28	-2.60
1974	0.00523	-0.00453	-46.38	-50.97	10.13	-5.55
1975	0.00463	-0.00513	-52.56	-54.68	6.36	-4.26

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
10 NEWZ

COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE					
	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00769	0.00000	0.00	0.00	0.00	0.00
1956	0.00737	-0.00032	-4.17	-2.91	-0.89	-0.37
1957	0.00674	-0.00095	-12.41	-9.14	-3.18	-0.09
1958	0.00645	-0.00124	-16.10	-11.77	-4.34	0.01
1959	0.00689	-0.00080	-10.40	-6.58	-3.68	-0.15
1960	0.00647	-0.00122	-15.92	-15.85	0.73	-0.81
1961	0.00594	-0.00175	-22.81	-23.46	2.48	-1.83
1962	0.00546	-0.00223	-28.95	-29.89	4.71	-3.77
1963	0.00586	-0.00183	-23.84	-24.72	6.17	-5.29
1964	0.00608	-0.00161	-20.93	-22.82	6.71	-4.83
1965	0.00524	-0.00245	-31.82	-33.66	6.50	-4.66
1966	0.00521	-0.00246	-32.30	-34.66	5.81	-3.45
1967	0.00455	-0.00314	-40.80	-41.49	4.84	-4.15
1968	0.00416	-0.00354	-45.98	-45.91	4.43	-4.50
1969	0.00434	-0.00335	-43.56	-43.87	6.42	-6.11
1970	0.00384	-0.00385	-50.09	-49.93	7.84	-8.01
1971	0.00382	-0.00387	-50.36	-49.74	7.56	-8.17
1972	0.00431	-0.00339	-44.01	-41.51	8.61	-11.11
1973	0.00452	-0.00317	-41.21	-40.50	9.15	-9.86
1974	0.00295	-0.00474	-61.66	-59.82	6.03	-7.86
1975	0.00255	-0.00514	-66.87	-63.88	4.70	-7.69

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
11 PHIL

COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00427	0.00000	0.00	0.00	0.00	0.00
1956	0.00431	0.00003	0.79	-1.14	1.86	0.07
1957	0.00381	-0.00046	-10.80	-10.69	0.45	-0.55
1958	0.00453	0.00026	6.14	4.25	1.42	0.47
1959	0.00462	0.00035	8.22	-0.64	7.92	0.94
1960	0.00420	-0.00008	-1.80	-6.35	3.14	1.40
1961	0.00367	-0.00060	-14.12	-18.14	4.61	-0.59
1962	0.00393	-0.00034	-7.99	-12.20	3.73	0.48
1963	0.00477	0.00050	11.67	4.13	4.99	2.56
1964	0.00431	0.00004	0.89	-3.10	4.55	-0.56
1965	0.00415	-0.00012	-2.81	-10.71	0.00	1.90
1966	0.00415	-0.00013	-2.93	-18.14	12.61	2.61
1967	0.00382	-0.00046	-10.71	-25.10	16.70	-2.30
1968	0.00358	-0.00069	-16.16	-34.36	22.31	-4.10
1969	0.00305	-0.00122	-28.66	-42.24	21.64	-8.06
1970	0.00336	-0.00091	-21.28	-41.63	22.33	-1.98
1971	0.00326	-0.00102	-23.78	-41.61	23.13	-5.30
1972	0.00263	-0.00164	-38.48	-51.90	24.00	-10.57
1973	0.00334	-0.00094	-21.93	-40.78	26.27	-7.41
1974	0.00330	-0.00098	-22.85	-40.52	30.67	-12.99
1975	0.00276	-0.00151	-35.44	-48.26	22.05	-9.23

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
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COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.01086	0.00000	0.00	0.00	0.00	0.00
1956	0.01000	-0.00085	-7.87	-18.82	18.05	-7.10
1957	0.00931	-0.00155	-14.28	-23.56	15.78	-6.50
1958	0.00888	-0.00198	-18.24	-25.74	18.97	-11.46
1959	0.00917	-0.00169	-15.58	-24.41	16.92	-6.09
1960	0.00849	-0.00237	-21.80	-25.86	4.75	-0.59
1961	0.00777	-0.00309	-28.48	-34.34	6.92	-1.06
1962	0.00763	-0.00323	-29.73	-34.47	5.72	-0.98
1963	0.00716	-0.00370	-34.10	-37.55	6.00	-2.55
1964	0.00501	-0.00585	-53.87	-56.37	2.26	0.24
1965	0.00511	-0.00575	-52.97	-54.47	1.49	0.01
1966	0.00525	-0.00561	-51.69	-51.26	0.65	-1.09
1967	0.00517	-0.00569	-52.36	-51.63	1.07	-1.80
1968	0.00536	-0.00550	-50.62	-47.82	-1.71	-1.09
1969	0.00572	-0.00514	-47.32	-40.50	-3.13	-3.69
1970	0.00502	-0.00584	-53.81	-48.52	-3.21	-2.07
1971	0.00509	-0.00576	-53.08	-47.00	-3.56	-2.49
1972	0.00533	-0.00552	-50.88	-40.95	-5.53	-4.39
1973	0.00646	-0.00438	-40.34	-32.37	-0.90	-7.06
1974	0.00718	-0.00368	-33.88	-27.67	2.17	-8.38
1975	0.00653	-0.00433	-39.83	-27.57	-2.51	-9.75

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
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YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00275	0.00000	0.00	0.00	0.00	0.00
1956	0.00408	0.00133	48.17	15.56	5.86	26.76
1957	0.00411	0.00135	49.07	18.66	7.11	23.30
1958	0.00378	0.00103	37.25	7.29	3.29	26.66
1959	0.00405	0.00130	47.18	12.10	10.01	25.07
1960	0.00325	0.00050	18.07	10.27	8.11	-0.31
1961	0.00356	0.00080	29.12	20.70	13.56	-5.14
1962	0.00329	0.00053	19.37	12.53	10.10	-3.26
1963	0.00306	0.00030	10.94	5.68	14.34	-9.08
1964	0.00343	0.00067	24.46	23.63	14.81	-13.98
1965	0.00334	0.00058	21.16	16.67	13.77	-9.23
1966	0.00343	0.00068	24.53	26.16	20.69	-22.33
1967	0.00321	0.00045	16.40	11.71	26.47	-21.78
1968	0.00277	0.00001	0.48	-4.85	29.47	-24.14
1969	0.00261	-0.00015	-5.35	-10.78	30.06	-24.62
1970	0.00229	-0.00046	-16.71	-26.48	31.52	-21.75
1971	0.00241	-0.00035	-12.61	-20.84	30.14	-21.92
1972	0.00264	-0.00012	-4.25	-3.02	30.64	-31.87
1973	0.00276	0.00001	0.34	-13.28	36.67	-25.05
1974	0.00302	0.00026	9.51	-11.25	42.41	-21.65
1975	0.00268	-0.00007	-2.59	-11.05	34.16	-25.70

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
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COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.16343	0.00000	0.00	0.00	0.00	0.00
1956	0.17952	0.01608	9.84	8.57	1.00	0.27
1957	0.18023	0.01679	10.28	8.37	1.09	0.82
1958	0.16518	0.00175	1.07	1.78	-0.93	0.22
1959	0.15123	-0.01220	-7.47	-3.71	-3.68	-0.08
1960	0.16065	-0.00279	-1.70	1.52	-3.43	0.21
1961	0.15792	-0.00551	-3.37	-1.27	-2.13	0.03
1962	0.15427	-0.00916	-5.61	-1.39	-4.03	-0.20
1963	0.15321	-0.01022	-6.25	-1.16	-4.39	-0.70
1964	0.15474	-0.00869	-5.32	-0.21	-3.73	-1.39
1965	0.14810	-0.01533	-9.36	-4.36	-3.61	-1.41
1966	0.15043	-0.01300	-7.96	-3.74	-1.97	-2.24
1967	0.14809	-0.01534	-9.39	-5.93	-0.92	-2.54
1968	0.14610	-0.01734	-10.61	-6.52	-0.64	-3.45
1969	0.14047	-0.02296	-14.05	-10.74	-0.18	-3.13
1970	0.13974	-0.02370	-14.50	-9.20	-1.91	-3.38
1971	0.12825	-0.03518	-21.53	-16.47	-1.60	-3.45
1972	0.12149	-0.04195	-25.67	-20.55	-1.91	-3.20
1973	0.12498	-0.03646	-23.53	-17.52	-1.07	-4.94
1974	0.12098	-0.04245	-25.97	-22.68	2.15	-5.45
1975	0.13026	-0.03318	-20.30	-15.11	1.52	-6.71

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
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YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.04098	0.00000	0.00	0.00	0.00	0.00
1956	0.03085	-0.00613	-14.95	-6.77	-9.56	1.37
1957	0.04055	-0.00043	-1.05	-4.27	-1.54	4.76
1958	0.03747	-0.00351	-8.56	-12.38	1.13	2.69
1959	0.04491	0.00392	9.58	1.10	5.54	2.94
1960	0.04442	0.00344	8.40	2.25	3.70	2.45
1961	0.04562	0.00464	11.31	4.38	-2.27	9.20
1962	0.04887	0.00789	19.26	10.67	-5.16	13.74
1963	0.04546	0.00448	10.93	0.32	-6.23	16.85
1964	0.04306	0.00208	5.07	-5.78	-6.37	17.23
1965	0.04216	0.00118	2.89	-5.33	-5.24	13.46
1966	0.04079	-0.00019	-0.47	-9.70	-4.55	13.79
1967	0.04256	0.00158	3.86	-7.59	-7.18	18.62
1968	0.04193	0.00094	2.30	-6.97	-10.86	20.14
1969	0.03965	-0.00133	-3.25	-10.02	-13.22	19.99
1970	0.03733	-0.00365	-8.90	-16.21	-12.35	19.66
1971	0.03611	-0.00487	-11.89	-16.92	-14.55	19.58
1972	0.03341	-0.00757	-18.47	-23.04	-14.36	18.95
1973	0.03217	-0.00681	-21.49	-24.00	-15.45	17.96
1974	0.02955	-0.01143	-27.90	-24.19	-20.88	17.17
1975	0.03261	-0.00837	-20.42	-14.68	-22.44	16.70

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
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COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.36623	0.00000	0.00	0.00	0.00	0.00
1956	0.36063	-0.00560	-1.53	-0.42	-1.16	0.05
1957	0.36275	-0.00348	-0.95	0.77	-1.52	-0.20
1958	0.38076	0.01453	3.97	5.71	-1.72	-0.02
1959	0.38488	0.01865	5.09	8.18	-3.17	0.08
1960	0.40148	0.03525	9.62	10.66	-0.92	-0.11
1961	0.41418	0.04795	13.09	13.86	-1.09	0.32
1962	0.41219	0.04596	12.55	12.78	-0.90	0.67
1963	0.41484	0.04861	13.27	12.89	-0.42	0.81
1964	0.41045	0.04422	12.07	10.86	0.06	1.15
1965	0.42126	0.05503	15.03	13.82	-0.03	1.24
1966	0.42263	0.05640	15.40	15.29	-1.53	1.64
1967	0.42111	0.05488	14.98	16.04	-2.57	1.52
1968	0.42457	0.05834	15.93	17.11	-3.17	1.98
1969	0.43561	0.06938	18.95	18.87	-2.63	2.70
1970	0.44020	0.07397	20.23	18.91	-2.09	3.39
1971	0.44940	0.08317	22.71	21.24	-1.97	3.44
1972	0.45556	0.08933	24.39	22.74	-2.52	4.18
1973	0.45262	0.08639	23.59	21.45	-2.35	4.49
1974	0.41234	0.04611	12.55	12.40	-2.37	2.56
1975	0.43660	0.07037	19.21	18.27	-1.01	1.55

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
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YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.01499	0.00000	0.00	0.00	0.00	0.00
1956	0.01694	0.00194	12.94	10.97	0.58	1.40
1957	0.01736	0.00236	15.76	13.65	-0.10	2.21
1958	0.03308	0.01808	120.58	128.12	-3.45	-4.09
1959	0.03096	0.01597	106.48	113.10	-3.15	-3.46
1960	0.02993	0.01493	99.58	97.83	1.80	-0.06
1961	0.03009	0.01510	100.68	96.28	4.56	-0.16
1962	0.03023	0.01523	101.59	96.13	4.32	1.15
1963	0.02931	0.01432	95.47	85.81	6.51	3.15
1964	0.02911	0.01412	94.17	81.33	7.26	5.58
1965	0.02807	0.01307	87.18	73.79	6.22	7.17
1966	0.02711	0.01212	80.81	69.01	5.20	6.60
1967	0.03046	0.01546	103.14	85.23	6.49	11.41
1968	0.03122	0.01623	108.22	91.46	5.23	11.53
1969	0.02893	0.01394	92.96	72.14	6.03	14.78
1970	0.02836	0.01337	89.14	68.82	7.82	12.50
1971	0.03674	0.02174	145.01	121.29	6.75	16.97
1972	0.03729	0.02229	148.67	127.05	6.79	14.83
1973	0.04131	0.02632	175.52	149.78	11.12	14.62
1974	0.08808	0.07309	487.42	414.49	11.73	61.20
1975	0.07901	0.06401	426.92	347.76	9.52	69.64

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
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COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.02143	0.00000	0.00	0.00	0.00	0.00
1956	0.02027	-0.00115	-5.38	-3.15	-1.71	-0.52
1957	0.02120	-0.00022	-1.05	1.57	-2.57	-0.05
1958	0.00909	-0.01233	-57.56	-57.30	-3.54	3.27
1959	0.00861	-0.01281	-59.80	-59.81	-3.13	3.14
1960	0.00864	-0.01279	-59.69	-60.96	0.18	1.08
1961	0.00776	-0.01367	-63.80	-64.36	0.79	-0.24
1962	0.00764	-0.01379	-64.35	-64.95	1.86	-1.26
1963	0.00859	-0.01284	-59.90	-60.92	3.10	-2.06
1964	0.00783	-0.01360	-63.45	-64.52	4.07	-3.01
1965	0.00811	-0.01332	-62.15	-63.45	3.70	-2.40
1966	0.00800	-0.01343	-62.67	-63.55	2.58	-1.70
1967	0.00751	-0.01392	-64.97	-65.91	0.99	-0.05
1968	0.00763	-0.01380	-64.40	-64.21	0.39	-0.58
1969	0.00767	-0.01376	-64.21	-64.31	1.03	-0.93
1970	0.00705	-0.01437	-67.08	-67.15	1.02	-1.55
1971	0.00690	-0.01452	-67.78	-67.72	1.65	-1.71
1972	0.00672	-0.01471	-68.65	-69.09	1.44	-1.00
1973	0.00665	-0.01478	-68.99	-70.05	2.85	-1.75
1974	0.00697	-0.01445	-67.45	-67.25	2.60	-2.60
1975	0.00494	-0.01649	-76.95	-78.49	4.16	-2.62

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
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YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	IMPERFECTION EFFECT
	1	2	3	4	5	6
1955	0.00896	0.00000	0.00	0.00	0.00	0.00
1956	0.00772	-0.00124	-13.89	-12.90	-1.10	0.12
1957	0.00726	-0.00170	-19.01	-15.87	-3.67	0.53
1958	0.00800	-0.00096	-10.69	-5.01	-5.12	-0.57
1959	0.00702	-0.00194	-21.65	-16.97	-5.05	0.36
1960	0.00695	-0.00202	-22.49	-22.33	-0.32	0.16
1961	0.00673	-0.00223	-24.86	-26.60	2.05	-0.34
1962	0.01005	0.00106	12.10	7.35	4.28	0.47
1963	0.01055	0.00159	17.70	11.04	5.93	0.73
1964	0.01190	0.00294	32.81	24.80	6.43	1.58
1965	0.01230	0.00334	37.24	29.61	6.30	1.33
1966	0.01233	0.00337	37.55	30.42	5.51	1.63
1967	0.01261	0.00365	40.71	34.90	4.10	1.71
1968	0.01434	0.00538	59.99	54.75	3.69	1.55
1969	0.01527	0.00631	70.39	61.87	6.15	2.37
1970	0.01522	0.00626	69.81	60.43	7.81	1.56
1971	0.01595	0.00698	77.91	70.98	7.64	-0.71
1972	0.01449	0.00553	61.68	54.08	8.68	-1.08
1973	0.01701	0.00805	89.80	82.04	5.12	-1.36
1974	0.02791	0.01895	211.43	197.82	5.47	6.13
1975	0.02224	0.01328	148.16	149.52	4.63	-6.39

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
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COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.04667	0.00000	0.00	0.00	0.00	0.00
1956	0.04512	-0.00156	-3.33	-2.38	-0.91	-0.05
1957	0.04041	-0.00627	-13.42	-10.72	-2.90	0.20
1958	0.04146	-0.00521	-11.17	-7.46	-3.73	0.02
1959	0.04107	-0.00561	-12.01	-8.22	-3.68	-0.12
1960	0.03954	-0.00713	-15.28	-14.31	-1.03	0.05
1961	0.03855	-0.00812	-17.40	-16.71	-0.19	-0.50
1962	0.03658	-0.01009	-21.62	-21.74	1.17	-1.05
1963	0.03653	-0.01014	-21.73	-22.14	2.53	-2.12
1964	0.03615	-0.01052	-22.54	-23.42	3.05	-2.17
1965	0.03468	-0.01200	-25.71	-26.71	3.26	-2.26
1966	0.03470	-0.01197	-25.65	-26.35	2.37	-1.68
1967	0.03264	-0.01403	-30.07	-30.76	1.49	-0.80
1968	0.03178	-0.01489	-31.90	-31.96	1.46	-1.41
1969	0.03146	-0.01521	-32.59	-32.64	2.74	-2.69
1970	0.02940	-0.01727	-37.00	-37.03	3.72	-3.65
1971	0.02509	-0.02159	-46.25	-45.57	4.03	-4.71
1972	0.02513	-0.02155	-46.17	-44.33	4.00	-5.83
1973	0.02517	-0.02151	-46.08	-45.22	3.75	-4.61
1974	0.02392	-0.02275	-48.75	-47.70	1.30	-2.35
1975	0.02179	-0.02488	-53.31	-52.65	0.78	-1.44

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
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YEAR	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE					
	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.02228	0.00000	0.00	0.00	0.00	0.00
1956	0.02246	0.00018	0.82	4.46	-3.51	-0.14
1957	0.02298	0.00070	3.15	8.62	-4.82	-0.65
1958	0.02347	0.00119	5.33	6.94	-1.71	0.10
1959	0.02321	0.00093	4.17	8.02	-4.21	0.36
1960	0.02245	0.00017	0.75	8.51	-8.11	0.35
1961	0.02117	-0.00110	-4.95	3.71	-8.98	0.32
1962	0.02151	-0.00077	-3.45	5.84	-10.02	0.72
1963	0.02028	-0.00200	-8.98	3.89	-14.53	1.67
1964	0.01880	-0.00347	-15.60	-3.00	-15.33	2.74
1965	0.01763	-0.00465	-20.88	-8.37	-14.98	2.46
1966	0.01612	-0.00616	-27.66	-19.30	-11.40	3.03
1967	0.01611	-0.00617	-27.70	-17.42	-12.75	2.47
1968	0.01454	-0.00774	-34.75	-29.61	-8.62	3.48
1969	0.01288	-0.00940	-42.19	-35.01	-10.41	3.23
1970	0.01241	-0.00987	-44.30	-37.08	-11.44	4.22
1971	0.01086	-0.01142	-51.27	-46.52	-10.28	5.53
1972	0.00950	-0.01277	-57.34	-53.13	-10.77	6.56
1973	0.00944	-0.01284	-57.62	-49.89	-14.61	6.88
1974	0.01524	-0.00604	-27.11	-20.99	-7.94	1.82
1975	0.01082	-0.01146	-51.44	-45.66	-16.78	11.00

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
22 OWH

COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.06734	0.00000	0.00	0.00	0.00	0.00
1956	0.06357	-0.00377	-5.60	-4.40	-1.31	0.11
1957	0.05660	-0.01074	-15.94	-12.27	-3.42	-0.25
1958	0.05536	-0.01198	-17.79	-16.16	-1.34	-0.29
1959	0.05247	-0.01487	-22.09	-22.11	0.98	-0.95
1960	0.05016	-0.01718	-25.52	-23.80	-2.10	0.38
1961	0.05019	-0.01715	-25.47	-23.47	-2.48	0.48
1962	0.04985	-0.01749	-25.97	-24.36	-1.61	0.01
1963	0.04998	-0.01736	-25.78	-23.18	-2.88	-0.29
1964	0.04744	-0.01990	-29.55	-25.66	-3.42	-0.47
1965	0.04643	-0.02091	-31.06	-28.25	-2.27	-0.53
1966	0.04627	-0.02107	-31.29	-30.79	0.98	-1.48
1967	0.04294	-0.02440	-36.23	-35.71	0.93	-1.45
1968	0.04063	-0.02672	-39.67	-40.85	4.79	-3.61
1969	0.04035	-0.02699	-40.03	-40.83	4.11	-3.35
1970	0.04001	-0.02733	-40.59	-41.23	3.64	-2.99
1971	0.03619	-0.03116	-46.26	-46.37	5.10	-5.00
1972	0.03642	-0.03092	-45.91	-44.92	5.65	-6.65
1973	0.03782	-0.02952	-43.84	-41.65	2.73	-4.93
1974	0.03856	-0.02878	-42.73	-42.08	4.00	-4.65
1975	0.03394	-0.03340	-49.60	-47.08	-1.50	-1.02

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
23 SOAS

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00436	0.00000	0.00	0.00	0.00	0.00
1956	0.00381	-0.00054	-12.49	-10.03	1.57	-4.02
1957	0.01115	0.00679	155.80	131.79	6.74	17.27
1958	0.00438	0.00003	0.58	-8.32	8.48	0.41
1959	0.00487	0.00051	11.78	0.92	14.46	-3.60
1960	0.00475	0.00039	8.86	-0.13	9.89	-0.90
1961	0.00322	-0.00114	-26.22	-22.94	9.67	-12.95
1962	0.00279	-0.00157	-36.08	-27.23	13.02	-21.88
1963	0.00292	-0.00144	-33.02	-21.56	11.72	-23.18
1964	0.00288	-0.00148	-33.88	-27.20	9.52	-16.20
1965	0.00272	-0.00164	-37.65	-35.05	8.15	-10.76
1966	0.00217	-0.00218	-50.11	-47.10	7.29	-10.30
1967	0.00203	-0.00233	-53.44	-52.99	10.26	-10.74
1968	0.00187	-0.00249	-57.14	-52.20	8.43	-13.37
1969	0.00181	-0.00255	-58.51	-54.91	6.65	-10.25
1970	0.00184	-0.00252	-57.76	-52.89	5.83	-10.70
1971	0.00148	-0.00288	-66.08	-59.92	4.06	-10.22
1972	0.00132	-0.00303	-69.61	-65.12	5.84	-10.32
1973	0.00138	-0.00298	-68.41	-66.12	1.61	-3.89
1974	0.00123	-0.00313	-71.70	-67.61	-6.26	2.16
1975	0.00095	-0.00341	-78.20	-74.07	-1.30	-2.83

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
24 OASA

COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.02447	0.00000	0.00	0.00	0.00	0.00
1956	0.02355	-0.00092	-3.76	-8.53	1.81	2.96
1957	0.02215	-0.00232	-9.49	-12.37	1.38	1.50
1958	0.02171	-0.00276	-11.29	-15.71	1.46	2.96
1959	0.02111	-0.00335	-13.71	-16.82	1.56	1.50
1960	0.01889	-0.00556	-22.80	-23.98	2.69	-1.51
1961	0.01865	-0.00582	-23.80	-23.39	2.12	-2.52
1962	0.01818	-0.00629	-25.71	-25.11	1.06	-1.66
1963	0.01841	-0.00606	-24.77	-25.21	2.34	-1.89
1964	0.01730	-0.00717	-29.32	-28.93	3.32	-3.71
1965	0.01599	-0.00848	-34.65	-34.59	3.13	-3.19
1966	0.01421	-0.01026	-41.94	-41.65	2.38	-2.66
1967	0.01333	-0.01114	-45.53	-45.53	2.59	-2.59
1968	0.01306	-0.01141	-46.62	-45.52	1.18	-2.28
1969	0.01163	-0.01284	-52.48	-50.20	0.34	-2.62
1970	0.01102	-0.01345	-54.96	-52.42	0.59	-3.13
1971	0.01000	-0.01447	-59.14	-57.10	0.39	-2.42
1972	0.00960	-0.01487	-60.77	-59.04	-0.20	-1.53
1973	0.00927	-0.01520	-62.13	-61.60	3.22	-3.75
1974	0.00879	-0.01568	-64.09	-66.06	6.41	-4.45
1975	0.00754	-0.01692	-69.17	-75.26	8.93	-2.84

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
25 SORW

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.05679	0.00000	0.00	0.00	0.00	0.00
1956	0.05561	-0.00117	-2.06	0.47	-2.29	-0.25
1957	0.05588	-0.00091	-1.60	-2.66	2.62	-1.56
1958	0.06197	0.00519	9.13	3.34	5.73	0.06
1959	0.06316	0.00637	11.22	-0.90	11.05	0.46
1960	0.05610	-0.00069	-1.21	-14.00	12.43	0.36
1961	0.05520	-0.00159	-2.80	-16.35	12.04	1.51
1962	0.05911	0.00233	4.10	-13.21	15.50	1.81
1963	0.05962	0.00283	4.99	-12.33	14.01	3.31
1964	0.06739	0.01061	18.68	1.72	13.02	3.94
1965	0.06706	0.01027	18.09	4.05	10.66	3.36
1966	0.06331	0.00652	11.49	3.17	7.05	1.27
1967	0.06488	0.00810	14.26	2.72	10.21	1.32
1968	0.06275	0.00596	10.50	3.71	6.64	0.14
1969	0.06033	0.00354	6.24	2.00	4.58	-0.34
1970	0.06027	0.00348	6.12	1.37	4.89	-0.14
1971	0.05892	0.00213	3.75	2.41	2.44	-1.10
1972	0.06287	0.00609	10.72	4.31	5.64	0.77
1973	0.05587	-0.00092	-1.62	-3.44	1.50	0.33
1974	0.04492	-0.01187	-20.90	-13.73	-7.69	0.52
1975	0.04402	-0.01276	-22.48	-27.75	1.44	3.83

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CURRENT PRICE EXPORT SHARE
26 ROCE

YEAR	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE					
	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00814	0.00000	0.00	0.00	0.00	0.00
1956	0.00611	-0.00203	-24.94	-24.46	8.54	-9.02
1957	0.00685	-0.00129	-15.85	-15.78	7.59	-7.66
1958	0.00212	-0.00602	-73.98	-72.39	10.15	-11.74
1959	0.00270	-0.00543	-66.76	-64.54	11.24	-13.46
1960	0.00421	-0.00392	-48.22	-52.69	8.08	-3.62
1961	0.00429	-0.00385	-47.32	-52.41	9.48	-4.39
1962	0.00359	-0.00455	-55.87	-59.10	10.26	-7.03
1963	0.00238	-0.00576	-70.80	-69.98	11.41	-12.23
1964	0.00296	-0.00518	-63.59	-58.58	10.49	-15.50
1965	0.00274	-0.00540	-66.37	-62.45	8.57	-12.45
1966	0.00263	-0.00551	-67.74	-61.76	6.34	-12.31
1967	0.00272	-0.00541	-66.52	-58.87	6.07	-15.73
1968	0.00275	-0.00539	-66.26	-58.20	4.74	-12.80
1969	0.00273	-0.00541	-66.47	-58.90	3.98	-11.55
1970	0.00326	-0.00488	-60.00	-51.00	5.17	-14.17
1971	0.00314	-0.00500	-61.45	-50.33	3.34	-14.46
1972	0.00316	-0.00498	-61.19	-45.78	3.29	-18.71
1973	0.00270	-0.00544	-66.80	-62.13	6.79	-11.46
1974	0.00261	-0.00553	-67.98	-66.46	6.36	-7.67
1975	0.00209	-0.00605	-74.29	-71.63	6.06	-8.72

Appendix C



COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
1 AUSTR

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.01901	0.00000	0.00	0.00	0.00	0.00
1956	0.01823	-0.00078	-4.11	-5.63	2.78	-1.26
1957	0.01884	-0.00017	-0.66	-2.38	2.63	-1.14
1958	0.01715	-0.00187	-9.82	-4.16	-1.39	-4.26
1959	0.01905	0.00004	0.20	4.63	-1.10	-3.33
1960	0.01818	-0.00083	-4.36	-6.43	2.46	-0.41
1961	0.01966	0.00064	3.39	1.58	6.26	-4.45
1962	0.01651	-0.00251	-13.19	-11.52	5.18	-6.85
1963	0.01791	-0.00111	-5.82	-1.39	7.64	-12.07
1964	0.01712	-0.00189	-9.94	-8.65	7.91	-9.20
1965	0.01737	-0.00164	-8.65	-7.67	6.88	-7.85
1966	0.01600	-0.00301	-15.85	-16.96	7.60	-6.45
1967	0.01778	-0.00123	-6.47	-0.40	7.58	-13.65
1968	0.01631	-0.00270	-14.20	-11.36	6.76	-9.61
1969	0.01741	-0.00160	-8.42	-4.42	8.32	-12.32
1970	0.01859	-0.00042	-2.20	-1.07	10.85	-11.99
1971	0.01857	-0.00044	-2.31	-3.69	9.17	-7.79
1972	0.01741	-0.00160	-8.42	-9.12	9.01	-8.32
1973	0.01496	-0.00405	-21.31	-24.82	12.41	-8.89
1974	0.01382	-0.00519	-27.31	-25.53	9.55	-11.33
1975	0.01619	-0.00282	-14.85	-15.01	5.78	-5.62

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
 2 CANA

YEAR	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE					
	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.04684	0.00000	0.00	0.00	0.00	0.00
1956	0.04592	-0.00092	-1.97	-1.14	-0.79	-0.03
1957	0.04373	-0.00311	-6.65	-2.33	-4.24	-0.08
1958	0.04389	-0.00294	-6.29	-5.36	-0.97	0.04
1959	0.04292	-0.00392	-8.37	-11.89	4.05	-0.53
1960	0.04164	-0.00519	-11.09	-9.97	-1.33	0.21
1961	0.04366	-0.00318	-6.73	-2.92	-3.35	-0.51
1962	0.04173	-0.00511	-10.91	-6.37	-1.95	-2.60
1963	0.04257	-0.00427	-9.11	-4.66	-3.09	-1.35
1964	0.04562	-0.00122	-2.59	2.40	-4.26	-0.72
1965	0.04370	-0.00314	-6.70	-4.06	-1.97	-0.67
1966	0.04598	-0.00085	-1.83	-2.04	1.68	-1.45
1967	0.04726	0.00043	0.91	0.46	1.59	-1.16
1968	0.04883	0.00200	4.25	-0.34	6.73	-2.12
1969	0.04613	-0.00071	-1.51	-3.81	5.02	-2.72
1970	0.04662	-0.00022	-0.47	-0.48	3.40	-3.39
1971	0.04645	-0.00039	-0.83	-4.28	6.75	-3.26
1972	0.04547	-0.00137	-2.92	-6.03	6.08	-2.96
1973	0.04491	-0.00193	-4.11	-3.10	0.60	-1.62
1974	0.04070	-0.00614	-13.10	-10.40	-1.51	-1.20
1975	0.03934	-0.00750	-16.01	-8.09	-7.37	-0.55

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
3 ROC

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00131	0.00000	0.00	0.00	0.00	0.00
1956	0.00135	0.00004	2.81	-13.26	16.92	-0.86
1957	0.00132	0.00001	0.57	-17.56	25.25	-7.12
1958	0.00165	0.00034	25.78	4.96	18.08	2.74
1959	0.00170	0.00039	29.83	7.43	22.23	0.17
1960	0.00155	0.00024	18.41	0.41	25.84	-7.85
1961	0.00166	0.00035	27.02	10.46	44.02	-27.46
1962	0.00202	0.00071	54.49	38.83	33.56	-17.92
1963	0.00163	0.00032	24.57	6.31	44.51	-26.26
1964	0.00169	0.00058	44.10	27.41	47.80	-31.11
1965	0.00236	0.00105	80.41	59.52	44.68	-23.99
1966	0.00264	0.00133	101.33	72.46	56.80	-27.95
1967	0.00262	0.00151	115.05	67.08	74.41	-46.45
1968	0.00316	0.00185	141.60	106.05	74.25	-38.70
1969	0.00374	0.00243	185.73	148.58	78.98	-41.83
1970	0.00455	0.00324	247.60	215.98	86.19	-54.57
1971	0.00562	0.00451	344.21	302.93	79.12	-37.84
1972	0.00704	0.00573	437.40	390.11	80.05	-32.76
1973	0.00759	0.00628	479.60	433.05	106.86	-50.31
1974	0.00693	0.00562	429.58	400.57	103.31	-74.30
1975	0.00725	0.00594	453.51	440.35	106.57	-93.42

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
4 PFC

COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.01468	0.00000	0.00	0.00	0.00	0.00
1956	0.01663	0.00195	13.26	8.50	1.95	2.82
1957	0.01545	0.00077	5.25	-5.12	8.63	1.74
1958	0.01991	0.00523	35.61	18.78	12.08	4.74
1959	0.02130	0.00602	45.12	21.02	21.17	2.94
1960	0.01648	0.00160	12.26	-4.15	24.07	-7.66
1961	0.01221	-0.00247	-16.85	-29.56	26.97	-14.26
1962	0.01216	-0.00252	-17.19	-31.64	33.22	-18.76
1963	0.01136	-0.00332	-22.62	-34.55	32.60	-20.68
1964	0.01103	-0.00365	-24.86	-33.91	31.94	-22.88
1965	0.01187	-0.00281	-19.12	-26.78	29.34	-21.69
1966	0.01206	-0.00262	-17.82	-26.49	28.11	-19.45
1967	0.01051	-0.00417	-28.39	-34.48	37.06	-31.00
1968	0.00909	-0.00559	-38.07	-43.09	30.70	-25.68
1969	0.00840	-0.00628	-42.76	-46.71	29.64	-25.69
1970	0.00735	-0.00733	-49.95	-53.99	30.69	-26.64
1971	0.00800	-0.00668	-45.49	-50.41	27.46	-22.55
1972	0.00852	-0.00617	-42.00	-46.96	34.93	-29.97
1973	0.00887	-0.00581	-39.56	-46.04	35.89	-29.41
1974	0.00773	-0.00695	-47.38	-54.10	27.25	-20.53
1975	0.00873	-0.00595	-40.54	-46.17	51.96	-46.33

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
 5 HK

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00493	0.00000	0.00	0.00	0.00	0.00
1956	0.00565	0.00072	14.65	4.65	16.85	-6.84
1957	0.00466	-0.00027	-5.45	-11.15	18.66	-12.97
1958	0.00484	-0.00009	-1.76	-4.88	13.54	-10.43
1959	0.00460	-0.00033	-6.72	-8.81	4.07	-1.97
1960	0.00467	-0.00026	-5.37	-1.94	-4.36	0.94
1961	0.00437	-0.00056	-11.33	-8.11	-0.86	-2.36
1962	0.00473	-0.00020	-4.14	1.68	-5.02	-0.80
1963	0.00480	-0.00007	-1.52	4.18	-6.32	0.62
1964	0.00497	0.00004	0.78	11.67	-13.75	2.57
1965	0.00533	0.00039	8.00	15.99	-11.73	3.75
1966	0.00584	0.00091	18.50	32.28	-9.08	-4.70
1967	0.00632	0.00139	26.23	43.01	-5.40	-9.36
1968	0.00638	0.00144	29.29	37.46	-3.36	-4.79
1969	0.00671	0.00178	36.06	41.79	-1.49	-4.24
1970	0.00656	0.00165	33.40	38.36	-2.86	-2.05
1971	0.00645	0.00152	30.79	33.47	-3.37	0.70
1972	0.00633	0.00139	28.20	33.16	-5.47	0.59
1973	0.00632	0.00139	28.16	32.67	2.85	-7.36
1974	0.00560	0.00066	13.48	20.18	4.80	-11.49
1975	0.00615	0.00126	25.56	34.56	4.86	-13.63

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
 IN DO

YEAR	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE					
	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00988	0.00000	0.00	0.00	0.00	0.00
1956	0.01399	0.00411	41.64	6.72	22.12	12.80
1957	0.01415	0.00426	43.30	10.01	21.27	12.01
1958	0.01542	0.00554	56.15	18.75	21.16	16.24
1959	0.01195	0.00207	20.99	-5.21	17.99	8.20
1960	0.00785	-0.00202	-20.48	-19.67	-0.02	-0.76
1961	0.00756	-0.00232	-23.46	-19.95	2.14	-5.66
1962	0.00649	-0.00339	-34.28	-30.39	1.25	-5.15
1963	0.00610	-0.00378	-38.22	-32.75	2.03	-7.51
1964	0.00595	-0.00392	-39.71	-36.08	-1.74	-1.89
1965	0.00566	-0.00422	-42.72	-40.64	-1.71	-0.38
1966	0.00492	-0.00495	-50.17	-52.17	0.20	1.81
1967	0.00490	-0.00496	-50.41	-54.18	2.89	0.88
1968	0.00419	-0.00569	-57.59	-60.10	5.05	-2.53
1969	0.00459	-0.00529	-53.54	-57.20	6.24	-2.58
1970	0.00374	-0.00614	-62.16	-68.68	7.27	-0.75
1971	0.00353	-0.00634	-64.22	-71.21	7.19	-0.20
1972	0.00383	-0.00604	-61.18	-68.91	7.03	0.70
1973	0.00430	-0.00557	-56.41	-66.44	9.74	0.29
1974	0.00427	-0.00561	-56.75	-67.12	7.91	2.45
1975	0.00365	-0.00602	-61.00	-67.24	3.83	2.41

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
7 JAPAN

YEAR	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE					
	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.02175	0.00000	0.00	0.00	0.00	0.00
1956	0.02390	0.00215	9.91	8.06	3.51	-1.67
1957	0.02615	0.00445	20.44	21.55	3.22	-4.33
1958	0.02892	0.00517	23.78	19.59	2.33	1.85
1959	0.02966	0.00794	36.49	35.54	-1.41	2.36
1960	0.03404	0.01229	56.53	62.39	-4.22	-1.64
1961	0.03478	0.01304	59.95	67.34	-5.69	-1.70
1962	0.03760	0.01586	72.92	83.51	-7.50	-3.10
1963	0.03813	0.01639	75.37	88.31	-9.07	-3.87
1964	0.04150	0.01976	90.87	111.85	-10.68	-10.30
1965	0.04842	0.02668	122.66	143.65	-9.46	-11.51
1966	0.05246	0.03072	141.25	155.96	-8.34	-6.37
1967	0.05274	0.03100	142.54	156.77	-8.46	-5.75
1968	0.05870	0.03695	169.93	178.15	-6.30	-1.93
1969	0.06398	0.04224	194.24	210.17	-7.56	-8.37
1970	0.06777	0.04602	211.65	238.39	-9.89	-16.65
1971	0.07553	0.05379	247.35	271.51	-7.87	-16.29
1972	0.07323	0.05149	236.77	267.49	-9.84	-20.65
1973	0.06798	0.04624	212.63	248.47	-9.61	-26.22
1974	0.07579	0.05404	248.52	279.25	-6.64	-24.10
1975	0.07913	0.05739	263.91	269.95	-3.61	-22.43

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
in KRs

YEAR	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE					
	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00020	0.00000	0.00	0.00	0.00	0.00
1956	0.00021	0.00001	3.23	-1.89	8.15	-3.03
1957	0.00016	-0.00002	-11.43	-21.76	10.71	-0.36
1958	0.00012	-0.00006	-40.15	-44.02	5.99	-2.12
1959	0.00011	-0.00009	-43.97	-49.35	14.68	-9.30
1960	0.00020	0.00000	0.20	-17.35	15.67	1.89
1961	0.00041	0.00021	107.33	64.00	26.01	17.32
1962	0.00051	0.00031	153.31	126.33	20.48	6.50
1963	0.00065	0.00045	227.30	219.64	27.31	-19.65
1964	0.00080	0.00060	298.06	253.97	29.60	14.49
1965	0.00105	0.00085	424.94	381.92	27.95	15.07
1966	0.00127	0.00107	534.79	453.87	37.14	43.76
1967	0.00146	0.00128	639.11	532.60	47.13	59.39
1968	0.00163	0.00163	816.10	682.54	49.13	84.44
1969	0.00236	0.00216	1081.67	921.52	51.21	108.94
1970	0.00260	0.00260	1301.50	1078.64	56.21	166.64
1971	0.00339	0.00319	1596.21	1328.95	53.76	213.51
1972	0.00456	0.00438	2193.21	1856.75	54.62	281.84
1973	0.00639	0.00619	3096.60	2446.15	65.70	584.75
1974	0.00663	0.00643	3217.74	2779.74	55.80	382.20
1975	0.00838	0.00818	4093.06	3801.12	46.35	245.59

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
S. MALA

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00976	0.00000	0.00	0.00	0.00	0.00
1956	0.00889	-0.00087	-8.90	-25.70	32.74	-15.94
1957	0.00853	-0.00122	-12.54	-27.51	31.13	-16.15
1958	0.00863	-0.00113	-11.54	-22.52	27.74	-16.76
1959	0.00856	-0.00109	-11.22	-22.94	22.18	-10.45
1960	0.00892	-0.00084	-8.60	-9.68	-3.80	4.88
1961	0.00917	-0.00059	-6.04	-9.77	-2.39	6.12
1962	0.00899	-0.00076	-7.83	-10.18	-3.09	5.44
1963	0.00890	-0.00085	-8.75	-11.78	-3.40	6.44
1964	0.00811	-0.00165	-16.89	-12.78	-8.95	4.84
1965	0.00823	-0.00152	-15.62	-11.49	-8.36	4.23
1966	0.00818	-0.00157	-16.12	-13.71	-7.54	5.13
1967	0.01191	0.00216	22.10	8.51	-5.52	19.11
1968	0.00809	-0.00166	-17.05	-19.58	-2.39	4.92
1969	0.00758	-0.00178	-18.22	-20.05	-0.25	2.08
1970	0.00787	-0.00188	-19.29	-23.44	0.95	3.19
1971	0.00778	-0.00197	-20.21	-24.65	1.21	3.22
1972	0.00731	-0.00245	-25.08	-27.28	1.05	1.15
1973	0.00676	-0.00306	-31.35	-35.79	3.61	0.83
1974	0.00649	-0.00327	-33.47	-37.55	1.80	2.28
1975	0.00702	-0.00274	-28.08	-29.65	-0.13	1.70

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
10 NEWZ

COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00769	0.00000	0.00	0.00	0.00	0.00
1956	0.00764	-0.00005	-0.65	0.83	-1.07	-0.42
1957	0.00724	-0.00046	-5.92	-2.11	-3.49	-0.33
1958	0.00691	-0.00078	-10.16	-5.21	-4.74	-0.21
1959	0.00744	-0.00025	-3.30	0.96	-3.77	-0.49
1960	0.00746	-0.00023	-3.00	-2.72	0.38	-0.67
1961	0.00600	-0.00103	-13.43	-13.96	1.79	-1.26
1962	0.00560	-0.00209	-27.17	-27.84	3.83	-3.17
1963	0.00554	-0.00215	-27.99	-28.51	5.15	-4.63
1964	0.00537	-0.00232	-30.15	-31.34	5.52	-4.34
1965	0.00486	-0.00283	-36.77	-37.86	4.95	-3.87
1966	0.00493	-0.00276	-35.94	-37.44	4.16	-2.66
1967	0.00461	-0.00288	-37.43	-37.48	3.08	-3.03
1968	0.00492	-0.00277	-35.99	-35.36	2.96	-3.59
1969	0.00505	-0.00264	-34.36	-34.02	4.68	-5.02
1970	0.00467	-0.00302	-39.26	-38.41	5.73	-6.59
1971	0.00434	-0.00335	-43.52	-42.19	4.73	-6.07
1972	0.00421	-0.00348	-45.28	-41.97	4.96	-8.26
1973	0.00374	-0.00396	-51.42	-49.68	5.35	-7.10
1974	0.00333	-0.00436	-56.72	-54.32	2.94	-5.35
1975	0.00358	-0.00411	-53.50	-48.72	-0.19	-4.59

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
11 PHIL

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00427	0.00000	0.00	0.00	0.00	0.00
1956	0.00427	-0.00000	-0.05	-2.21	2.13	0.03
1957	0.00379	-0.00048	-11.22	-11.12	0.42	-0.52
1958	0.00423	-0.00004	-0.94	-2.79	1.50	0.35
1959	0.00392	-0.00035	-8.25	-15.75	6.06	-0.55
1960	0.00363	-0.00064	-14.98	-19.55	4.03	0.54
1961	0.00344	-0.00084	-19.55	-24.64	6.13	-1.03
1962	0.00364	-0.00063	-14.74	-19.73	5.11	-0.11
1963	0.00426	-0.00001	-0.34	-8.06	6.10	1.62
1964	0.00396	-0.00032	-7.41	-11.96	5.49	-0.94
1965	0.00378	-0.00049	-11.55	-19.43	7.01	0.87
1966	0.00381	-0.00046	-10.78	-24.99	13.10	1.11
1967	0.00340	-0.00067	-20.36	-33.30	16.90	-3.96
1968	0.00305	-0.00122	-28.65	-44.00	21.74	-6.39
1969	0.00262	-0.00165	-38.63	-50.09	21.04	-9.58
1970	0.00277	-0.00150	-35.19	-51.74	21.44	-4.59
1971	0.00300	-0.00127	-29.80	-46.38	23.10	-6.52
1972	0.00292	-0.00135	-31.57	-46.24	22.97	-6.30
1973	0.00306	-0.00121	-26.30	-44.50	22.96	-6.77
1974	0.00222	-0.00206	-48.13	-57.46	16.68	-9.33
1975	0.00271	-0.00157	-36.69	-46.15	11.00	-1.54

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
12 SIN6

COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.01086	0.00000	0.00	0.00	0.00	0.00
1956	0.01081	-0.00005	-0.45	-12.72	19.46	-7.19
1957	0.01081	-0.00005	-0.49	-12.32	18.33	-6.50
1958	0.01112	0.00026	2.37	-9.00	22.80	-11.42
1959	0.00909	-0.00177	-16.30	-25.11	16.79	-7.98
1960	0.00831	-0.00255	-23.49	-27.35	4.28	-0.43
1961	0.00910	-0.00176	-16.18	-24.50	8.45	-0.13
1962	0.00920	-0.00166	-15.26	-22.93	7.62	0.05
1963	0.00901	-0.00184	-16.99	-23.86	8.16	-1.29
1964	0.00636	-0.00450	-41.45	-46.68	4.10	1.13
1965	0.00631	-0.00455	-41.90	-45.70	3.06	0.74
1966	0.00687	-0.00399	-36.71	-38.93	2.49	-0.27
1967	0.00728	-0.00358	-32.93	-35.31	3.35	-0.97
1968	0.00763	-0.00323	-29.75	-29.43	0.31	-0.63
1969	0.00748	-0.00338	-31.10	-25.56	-1.83	-3.71
1970	0.00724	-0.00361	-33.28	-29.11	-1.66	-2.51
1971	0.00833	-0.00253	-23.30	-18.59	-1.05	-3.57
1972	0.00930	-0.00156	-14.36	-3.02	-3.48	-7.85
1973	0.01128	0.00042	3.91	13.53	-0.08	-9.53
1974	0.01206	0.00120	11.07	16.99	0.95	-6.87
1975	0.01197	0.00111	10.25	26.49	-2.92	-13.31

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
13 THAI

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00275	0.00000	0.00	0.00	0.00	0.00
1956	0.00451	0.00176	63.84	26.09	6.26	31.49
1957	0.00467	0.00191	69.45	31.63	7.58	30.24
1958	0.00393	0.00117	42.57	7.62	4.39	30.55
1959	0.00409	0.00133	48.45	12.65	10.13	25.68
1960	0.00308	0.00032	11.67	3.96	6.65	-0.95
1961	0.00343	0.00067	24.42	14.09	15.22	-4.86
1962	0.00325	0.00044	16.19	6.79	11.73	-2.42
1963	0.00307	0.00032	11.56	3.78	15.56	-7.76
1964	0.00346	0.00072	26.20	22.91	16.04	-12.75
1965	0.00339	0.00063	23.00	16.19	15.52	-6.71
1966	0.00342	0.00066	24.02	23.64	22.14	-21.76
1967	0.00322	0.00047	17.01	9.45	27.93	-20.37
1968	0.00281	0.00005	1.98	-6.15	30.25	-22.11
1969	0.00265	-0.00011	-3.95	-11.47	30.89	-23.36
1970	0.00258	-0.00017	-6.22	-19.10	32.33	-19.45
1971	0.00295	0.00020	7.13	-5.43	32.27	-19.66
1972	0.00333	0.00058	21.04	18.91	31.95	-29.62
1973	0.00271	-0.00004	-1.60	-15.97	36.66	-22.25
1974	0.00270	-0.00006	-2.04	-19.36	30.17	-12.83
1975	0.00288	0.00013	4.61	-3.50	24.27	-16.15

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
14 USA

COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE					
	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.16343	0.00000	0.00	0.00	0.00	0.00
1956	0.17746	0.01403	8.58	7.56	0.75	0.28
1957	0.17422	0.01079	6.60	5.89	0.01	0.70
1958	0.15506	-0.00838	-5.13	-2.82	-2.61	0.31
1959	0.13774	-0.02569	-15.72	-10.36	-5.67	0.33
1960	0.14516	-0.01827	-11.16	-6.10	-5.40	0.38
1961	0.14276	-0.02068	-12.65	-8.47	-4.19	0.02
1962	0.13938	-0.02405	-14.72	-8.51	-6.12	-0.05
1963	0.14033	-0.02311	-14.14	-7.40	-6.15	-0.59
1964	0.14294	-0.02050	-12.54	-5.84	-5.33	-1.37
1965	0.13428	-0.02915	-17.84	-10.90	-5.52	-1.35
1966	0.13401	-0.02942	-18.00	-11.41	-4.24	-2.35
1967	0.12824	-0.03519	-21.53	-15.23	-3.69	-2.62
1968	0.12540	-0.03803	-23.27	-16.47	-3.41	-3.39
1969	0.11974	-0.04369	-26.73	-20.76	-2.85	-3.12
1970	0.11851	-0.04492	-27.48	-19.78	-4.45	-3.25
1971	0.10965	-0.05378	-32.91	-25.90	-4.03	-2.98
1972	0.10892	-0.05451	-33.35	-26.36	-4.20	-2.80
1973	0.11783	-0.04560	-27.90	-19.87	-3.36	-4.66
1974	0.12305	-0.04038	-24.71	-18.94	-1.57	-4.20
1975	0.12576	-0.03767	-23.05	-15.22	-2.00	-5.17

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
15 USSR

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.04098	0.00000	0.00	0.00	0.00	0.00
1956	0.03476	-0.00622	-15.19	-6.76	-9.79	1.36
1957	0.04227	0.00129	3.14	-1.75	0.16	4.73
1958	0.03953	-0.00145	-3.53	-9.48	3.71	2.24
1959	0.04775	0.00677	16.52	4.56	8.91	3.05
1960	0.04779	0.00680	16.60	6.53	7.56	2.45
1961	0.04931	0.00833	20.33	9.25	1.47	9.61
1962	0.05265	0.01167	28.43	15.21	-1.42	14.70
1963	0.04960	0.00862	21.04	5.64	-2.58	17.97
1964	0.04726	0.00628	15.32	-0.58	-2.29	16.20
1965	0.04862	0.00764	18.64	3.51	0.57	14.56
1966	0.05016	0.00916	22.39	3.57	2.81	16.01
1967	0.05200	0.01101	26.88	5.19	0.34	21.35
1968	0.05122	0.01024	24.97	4.90	-2.85	22.92
1969	0.05031	0.00932	22.75	4.08	-4.23	22.90
1970	0.04813	0.00714	17.43	-2.19	-2.63	22.24
1971	0.04636	0.00540	13.19	-3.64	-4.77	21.59
1972	0.04640	0.00542	13.23	-6.36	-1.71	21.30
1973	0.05064	0.00966	23.56	1.75	-0.19	22.01
1974	0.05491	0.01393	33.99	15.75	-0.35	18.59
1975	0.05698	0.01599	39.03	22.66	-4.76	21.12

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
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COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.36623	0.00000	0.00	0.00	0.00	0.00
1956	0.35708	-0.00915	-2.50	-1.23	-1.30	0.04
1957	0.35610	-0.01013	-2.77	-0.74	-1.80	-0.23
1958	0.37141	0.00518	1.41	3.63	-2.12	-0.09
1959	0.38115	0.01496	4.08	7.48	-3.39	-0.01
1960	0.39417	0.02794	7.63	9.14	-1.34	-0.18
1961	0.39959	0.03336	9.11	10.63	-1.73	0.21
1962	0.35515	0.02892	7.90	9.05	-1.66	0.50
1963	0.39806	0.03183	6.69	9.25	-1.19	0.63
1964	0.35383	0.02760	7.54	7.33	-0.75	0.96
1965	0.39969	0.03346	9.14	9.25	-1.07	0.96
1966	0.39931	0.03307	9.03	10.33	-2.63	1.34
1967	0.39773	0.03150	8.60	11.12	-3.74	1.22
1968	0.40539	0.03916	10.69	13.10	-4.13	1.66
1969	0.41476	0.04855	13.26	14.64	-3.72	2.34
1970	0.41395	0.04772	13.03	13.52	-3.39	2.90
1971	0.41555	0.04972	13.58	14.35	-3.60	2.83
1972	0.41284	0.04661	12.73	14.10	-4.63	3.26
1973	0.41207	0.04564	12.52	13.34	-4.49	3.67
1974	0.41603	0.05040	13.76	14.28	-3.41	2.89
1975	0.41175	0.04552	12.43	13.85	-3.10	1.76

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
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YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.01499	0.00000	0.00	0.00	0.00	0.00
1956	0.01602	0.00103	6.84	5.16	0.35	1.34
1957	0.01634	0.00134	8.97	7.24	-0.43	2.15
1958	0.03177	0.01678	111.91	120.24	-3.75	-4.58
1959	0.03069	0.01569	104.65	112.26	-3.47	-4.12
1960	0.03094	0.01595	106.35	106.04	1.23	-0.92
1961	0.03130	0.01630	108.72	106.09	3.96	-1.33
1962	0.03142	0.01643	109.56	106.05	3.57	-0.06
1963	0.03073	0.01574	104.94	96.83	5.63	2.48
1964	0.03118	0.01618	107.94	95.85	6.40	5.69
1965	0.03039	0.01540	102.69	90.06	5.24	7.37
1966	0.02965	0.01466	97.75	86.95	4.06	6.74
1967	0.03290	0.01791	119.42	102.12	5.36	11.94
1968	0.03352	0.01853	123.55	107.26	4.19	12.09
1969	0.03196	0.01697	113.18	91.99	4.90	16.28
1970	0.03295	0.01796	119.77	98.37	6.42	14.96
1971	0.03682	0.02162	144.20	124.05	5.05	15.10
1972	0.03543	0.02043	136.26	120.93	4.35	10.98
1973	0.03692	0.02192	146.20	130.43	7.74	6.02
1974	0.03010	0.01510	100.72	65.00	5.99	9.74
1975	0.02716	0.01219	81.29	63.86	3.29	14.15

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
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YEAR	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE					
	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPETITIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.02143	0.00000	0.00	0.00	0.00	0.00
1956	0.01865	-0.00278	-12.98	-10.65	-2.01	-0.32
1957	0.02036	-0.00106	-4.96	-2.34	-2.81	0.19
1958	0.00870	-0.01273	-59.40	-59.38	-3.79	3.77
1959	0.00862	-0.01260	-58.82	-59.10	-3.06	3.36
1960	0.00912	-0.01231	-57.46	-59.10	0.04	1.61
1961	0.00799	-0.01344	-62.71	-63.50	0.40	0.39
1962	0.00784	-0.01359	-63.42	-64.16	1.26	-0.54
1963	0.00873	-0.01270	-59.25	-60.51	2.45	-1.20
1964	0.00810	-0.01333	-62.22	-63.66	3.47	-2.02
1965	0.00809	-0.01333	-62.23	-64.05	2.99	-1.16
1966	0.00748	-0.01395	-65.09	-66.52	1.87	-0.43
1967	0.00725	-0.01420	-66.26	-67.71	0.32	1.13
1968	0.00747	-0.01395	-65.12	-65.49	-0.11	0.47
1969	0.00755	-0.01367	-64.75	-65.64	0.38	0.51
1970	0.00732	-0.01411	-65.86	-66.81	0.77	0.18
1971	0.00722	-0.01421	-66.31	-67.14	0.36	0.47
1972	0.00699	-0.01444	-67.38	-68.71	-0.29	1.62
1973	0.00675	-0.01467	-68.48	-70.42	0.94	1.00
1974	0.00836	-0.01305	-60.91	-63.16	1.50	0.75
1975	0.00600	-0.01542	-71.98	-73.49	1.69	-0.18

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
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YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.00896	0.00000	0.00	0.00	0.00	0.00
1956	0.00834	-0.00063	-7.00	-5.72	-1.33	0.05
1957	0.00788	-0.00108	-12.05	-8.25	-4.05	0.25
1958	0.00836	-0.00060	-6.75	-0.29	-5.63	-0.83
1959	0.00685	-0.00211	-23.59	-18.95	-5.11	0.47
1960	0.00679	-0.00217	-24.25	-23.80	-0.70	0.25
1961	0.00698	-0.00198	-22.11	-23.31	1.22	-0.02
1962	0.01096	0.00200	22.28	18.36	3.24	0.68
1963	0.01108	0.00212	23.66	18.04	4.72	0.90
1964	0.01249	0.00352	39.32	32.60	5.01	1.71
1965	0.01280	0.00383	42.77	36.96	4.47	1.34
1966	0.01375	0.00478	53.37	48.27	3.55	1.54
1967	0.01376	0.00481	53.70	50.47	2.03	1.20
1968	0.01582	0.00686	76.51	73.42	1.98	1.10
1969	0.01620	0.00723	80.71	74.80	4.11	1.81
1970	0.01625	0.00728	81.26	75.29	5.33	0.64
1971	0.01622	0.00725	80.94	78.84	4.34	-2.24
1972	0.01346	0.00450	50.20	47.64	4.34	-1.76
1973	0.01340	0.00444	49.56	48.32	4.63	-3.39
1974	0.01149	0.00253	28.23	28.46	2.09	-2.33
1975	0.00925	0.00029	3.21	9.83	-0.90	-5.72

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
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COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.04667	0.00000	0.00	0.00	0.00	0.00
1956	0.04634	-0.00033	-0.71	0.50	-1.11	-0.11
1957	0.04193	-0.00474	-10.15	-7.04	-3.22	0.10
1958	0.04310	-0.00358	-7.67	-3.31	-4.19	-0.17
1959	0.04239	-0.00429	-9.18	-5.11	-3.77	-0.30
1960	0.04106	-0.00561	-12.03	-10.77	-1.30	0.05
1961	0.04144	-0.00524	-11.22	-10.03	-0.75	-0.44
1962	0.04046	-0.00627	-13.43	-13.04	0.43	-0.81
1963	0.03919	-0.00748	-16.02	-15.91	1.65	-1.76
1964	0.03780	-0.00886	-19.02	-19.33	2.04	-1.72
1965	0.03710	-0.00958	-20.52	-20.79	1.90	-1.63
1966	0.03658	-0.01009	-21.63	-21.32	0.85	-1.16
1967	0.03484	-0.01183	-25.36	-25.03	-0.16	-0.15
1968	0.03317	-0.01350	-28.93	-28.08	0.00	-0.84
1969	0.03232	-0.01435	-30.74	-29.82	1.01	-1.93
1970	0.03149	-0.01519	-32.54	-31.65	1.66	-2.51
1971	0.02860	-0.01637	-36.71	-37.07	1.48	-3.12
1972	0.03000	-0.01666	-35.73	-32.00	0.62	-4.35
1973	0.02889	-0.01778	-38.10	-35.36	0.14	-2.87
1974	0.02692	-0.01975	-42.31	-40.23	-1.59	-0.50
1975	0.02590	-0.02077	-44.50	-41.92	-3.75	1.17

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
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YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.02226	0.00000	0.00	0.00	0.00	0.00
1956	0.02588	0.00360	16.16	19.76	-3.01	-0.59
1957	0.02251	0.00023	1.03	6.93	-5.48	-0.42
1958	0.02234	0.00006	0.28	2.79	-2.90	0.39
1959	0.02326	0.00098	4.40	9.11	-4.87	0.16
1960	0.02306	0.00078	3.49	11.76	-8.40	0.12
1961	0.02159	-0.00068	-3.07	6.19	-9.34	0.07
1962	0.02197	-0.00031	-1.39	9.11	-10.34	-0.10
1963	0.02102	-0.00126	-5.66	8.37	-14.56	0.53
1964	0.01972	-0.00255	-11.46	2.53	-15.56	1.57
1965	0.01868	-0.00360	-16.17	-1.59	-15.52	0.94
1966	0.01723	-0.00505	-22.65	-11.93	-12.53	1.81
1967	0.01715	-0.00513	-23.04	-9.45	-14.45	0.91
1968	0.01555	-0.00673	-30.19	-21.95	-10.75	2.54
1969	0.01414	-0.00814	-36.55	-26.09	-12.48	2.02
1970	0.01419	-0.00808	-36.26	-25.07	-13.95	2.74
1971	0.01296	-0.00532	-41.83	-34.26	-12.01	4.43
1972	0.01082	-0.01146	-51.43	-44.96	-12.94	6.47
1973	0.00775	-0.01453	-65.20	-57.20	-17.50	9.50
1974	0.00666	-0.01562	-70.10	-65.26	-14.15	9.31
1975	0.00439	-0.01788	-80.28	-76.66	-21.09	17.47

COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE IN CONSTANT PRICE EXPORT SHARE
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COMPONENTS OF CUMULATIVE
PERCENTAGE CHANGE

YEAR	ANNUAL EXPORT SHARE	CUMULATIVE CHANGE IN EXPORT SHARE	CUMULATIVE PERCENTAGE CHANGE IN EXPORT SHARE	COMPONENTS OF CUMULATIVE PERCENTAGE CHANGE		
				COMPETI- TIVENESS EFFECT	MARKET SIZE EFFECT	INTERACTION EFFECT
	1	2	3	4	5	6
1955	0.06734	0.00000	0.00	0.00	0.00	0.00
1956	0.06340	-0.00394	-5.85	-4.83	-1.10	0.09
1957	0.05849	-0.00885	-13.14	-9.13	-3.59	-0.41
1958	0.06005	-0.00729	-10.63	-8.63	-1.69	-0.50
1959	0.06004	-0.00730	-10.84	-10.72	1.06	-1.19
1960	0.05739	-0.00995	-14.78	-13.07	-1.60	-0.11
1961	0.05756	-0.00978	-14.52	-12.64	-1.93	0.05
1962	0.05836	-0.00898	-13.34	-11.71	-1.13	-0.50
1963	0.05815	-0.00919	-13.64	-10.84	-2.41	-0.39
1964	0.05202	-0.01532	-22.76	-18.54	-3.19	-1.03
1965	0.05050	-0.01676	-24.92	-21.66	-2.23	-1.04
1966	0.04995	-0.01739	-25.82	-24.77	0.67	-1.73
1967	0.04597	-0.02137	-31.74	-30.17	0.23	-1.80
1968	0.04309	-0.02425	-36.01	-36.16	3.75	-3.60
1969	0.04291	-0.02443	-36.27	-35.90	3.00	-3.37
1970	0.04028	-0.02706	-40.19	-39.52	2.21	-2.66
1971	0.03952	-0.02783	-41.32	-40.42	4.03	-4.93
1972	0.03921	-0.02814	-41.78	-39.54	4.03	-6.27
1973	0.03673	-0.03061	-45.46	-41.94	0.48	-4.00
1974	0.03924	-0.02810	-41.73	-38.76	-0.66	-2.31
1975	0.03570	-0.03164	-46.99	-42.33	-6.10	1.44