Benchmark Input-Output Accounts for the U.S. Economy, 1992

Requirements Tables

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*T*HIS ARTICLE is the second of two articles that present the 1992 benchmark input-output (I-O) accounts for the U.S. economy. Last month's article discussed the procedures used for the 1992 benchmark accounts and described the concepts and methods underlying the accounts; it presented, and illustrated how to use, the I-O make (production) table (table 1) and the use (consumption) table (tables 2.1 and 2.2).[1] This article presents, and illustrates how to use, the three remaining basic I-O tables: The commodity-by-industry direct requirements for a dollar of industry output; the commodity-by-commodity total requirements, direct and indirect, for a dollar of delivery to final use; and the industry-by-commodity total requirements, direct and indirect, for a dollar of delivery to final use.

The I-O requirements tables are an important analytical tool because they show the interdependence among the producers and consumers in the economy. Using these tables, analysts can estimate the direct and indirect effects of changes in final uses on industries and commodities. For example, these tables can be used to analyze the relative effects on industries and commodities of a decrease in Federal Government consumption expenditures or of a change in the composition of personal consumption expenditures that results from a change in consumer tastes.[2]

The commodity-by-industry direct requirements table

The commodity-by-industry direct requirements for a dollar of industry output are presented in

two parts: Table 3.1 shows the input coefficients for each commodity that an industry requires to produce a dollar of output; table 3.2 shows component detail for the value-added input coefficients that an industry requires to produce a dollar of output. The input coefficients in both tables are also referred to as "direct requirements coefficients." The sum of the coefficients for total intermediate inputs and for the total value added for each industry is equal to 1.00000.

Tables 3.1 and 3.2 are derived from tables 2.1 and 2.2, respectively, by dividing each industry's commodity or value-added input by that industry's total output. However, table 3.1, unlike table 2.1, does not include the components of final uses or gross domestic product.

In table 3.1, each column shows, for the industry named at the head of the column, the input coefficients for the commodities and for the total value added that an industry directly requires to produce a dollar of output. Each row shows the commodity or the total value added that the industry requires. For example, to produce a dollar of output, the industry "radio and TV broadcasting" (column 67) has direct requirements for 2.1 cents (calculated as 100 cents × 0.02064 from the table) of the commodity "radio and TV broadcasting" (row 67) and 2.8 cents of the commodity "advertising" (row 73D).

In table 3.2, industries are shown in the rows, and the total output, the total intermediate inputs, and the components of value added that are required to produce a dollar of output are shown in the columns. For example, to produce a dollar of output, the industry "radio and TV broadcasting" (row 67) has direct requirements for 40.2 cents of total value added; these requirements consist of 28.6 cents of compensation of employees, 1.8 cents of indirect business tax and nontax liability, and 9.8 cents of "other value added." The industry has direct requirements for 59.8 cents of intermediate inputs, which are shown in detail in column 67 of table 3.1.

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1. Ann M. Lawson, "Benchmark Input-Output Accounts for the U.S. Economy, 1992: Make, Use, and Supplementary Tables," SURVEY OF CURRENT BUSINESS 77 (November 1997): 36–82.

2. As noted in last month's article, analysts using the I-O tables to estimate the effects of changes in final uses on industries and commodities need to be aware of the underlying I-O assumptions. For example, the I-O tables are based on a set of relationships that exist between producers and consumers in a given year; these relationships reflect constant technology and relative prices. The interindustry relationships reflect the average input structure in each industry for that year, but these relationships do not necessarily reflect those of an additional unit of production. Therefore, for analyses that require alternative assumptions, other economic tools may be required.

The information in table 3.1 can be used with the information in the make table (table 1 in last month's article) to trace the changes in an industry's output, as well as the changes in that industry's total requirements for other industries' output that result from a change in final uses of a commodity. For example, tables 1 and 3.1 can be used to trace the direct effects of a $1 billion increase in sales of household appliances to final users on all industries producing household appliances.

In table 1, the total output of the commodity "household appliances" (column 54) was $16,833 million. The industry "household appliances" (row 54) produced $16,033 million, or 95.2 percent, of this commodity; the industry "audio, video, and communication equipment" (row 56) produced $268 million, or 1.6 percent, and 18 other industries produced the rest. Based on these proportions, production in the household appliances industry would initially increase $952 million ($1 billion × 0.952) to meet the $1 billion increase in household appliances sold to final users. Production in the audio, video, and communication equipment industry would increase $16 million ($1 billion × 0.016), and production in the 18 other industries would increase $32 million.

Table 3.1 can then be used to determine the commodity inputs required by each industry to produce its share of the $1 billion of household appliances sold to final users. The commodities required by the household appliances industry will be traced first. For example, column 54 in table 3.1 shows that the household appliances industry would require, in addition to other commodity inputs, $1.2 million ($952.0 million × 0.00126) of the commodity "household appliances" (row 54); to provide this commodity input, the industry's production would have to increase an additional $1.1 million ($1.2 million × 0.952). Thus, the increase in the production of the household appliances industry would be $953.1 million ($952.0 million for final users plus $1.1 million for its own intermediate use). In turn, this production would require $65.1 million ($953.1 million × 0.06835) of primary iron and steel manufacturing (row 37), $83.0 million ($953.1 million × 0.08710) of rubber and miscellaneous plastics products (row 32), and so on down the column. From table 3.2, the value added required by the household appliances industry would total $335.9 million ($953.1 million × 0.35243). Of this total, $200.9 million ($953.1 million × 0.21075) is for compensation of employees, $7.4 million ($953.1 million × 0.00781) is for indirect business tax and nontax liability, and $127.6 million ($953.1 million × 0.13387) is for "other value added."

Data Availability

The information in tables 1 and 3.1 can now be used to trace the continuing repercussions of the $953.1 million of additional output produced by the household appliances industry on the output of other industries. For example, to supply the primary iron and steel required by the household appliances industry, the industry "primary iron and steel manufacturing" (column 37 in table 3.1) requires $12.0 million ($65.1 million × 0.18508) of the commodity "primary iron and steel manufacturing" (row 37 in table 3.1)—of which it produces $11.8 million ($12.0 million × 0.987 derived from table 1) and all other industries produce $0.2 million ($12.0 million × 0.013). Other commodities required by the primary iron and steel manufacturing industry include $1.3 million ($76.9 million × 0.01663) of general industrial machinery and equipment (row 49), $1.4 million ($76.9 million × 0.01762) of coal mining (row 7), and so on. Similarly, all the other industries that produce primary iron and steel manufacturing (column 37 in table 1) as secondary products—such as primary nonferrous metals manufacturing (row 38 in table 1)—would also require commodities to produce their shares of the output of primary iron and steel manufacturing that is required by the household appliances industry.

Similarly, the continuing effects on each industry producing its share of the $1 billion of household appliances sold to final users can be traced, and the increase in production required from each industry can be derived. For each industry that produces household appliances, either as a primary product or as a secondary product, the direct requirements coefficients corresponding to that industry are used from table 3.1. For example, for household appliances as a primary product of the household appliances industry, the direct requirements coefficients from column 54 in table 3.1 are used; for household appliances as a secondary product of the audio, video, and communication equipment industry, the coefficients from column 56 are used.

The total requirements tables

This section presents the two total requirements tables: The commodity-by-commodity total requirements table (table 4) and the industry-by-commodity total requirements table (table 5). These tables—which combine the information in tables 1 and 3.1—completely trace and summarize as a multiplier the continuing repercussions

of a dollar change in the final use of a specified commodity.[3]

The commodity-by-commodity total requirements table.—Table 4 shows the inputs of each commodity that are directly and indirectly required to deliver a dollar of the commodity to final users. Each column shows the commodity delivered to final users, and each row shows the total production of the commodity that is required. The coefficients in this table are referred to as "commodity-by-commodity total requirements coefficients." The table is derived from both the make and use tables.

In the household appliances example, the total requirements for each commodity can be calculated from the entries in column 54. Providing consumers with $1 billion of household appliances would require $1,001.3 million ($1 billion × 1.00133) of household appliances (row 54) from all industries. Similarly, it would require $15.3 million ($1 billion × 0.01530) of paperboard containers and boxes (row 25), $51.5 million ($1 billion × 0.05153) of plastics and synthetic materials (row 28), and so on.

The total at the bottom of each column in table 4 is the sum of all the changes in commodity outputs that are required to deliver a dollar of a commodity to final users. Because each total change is a dollar multiple of the initial dollar spent for the output of the given commodity, the total change in output is often called the total commodity output multiplier.

These multipliers can be used to estimate the impact of changes in the final uses of commodities on total commodity output. For example, for the household appliances commodity (column 54), the total commodity output multiplier is 2.33419 (the sum of all the entries in the column). The total dollar change in all commodity output that is required for an additional $1 billion of household appliances delivered to final users is $2,334.2 million ($1 billion × 2.33419).

The industry-by-commodity total requirements table.—Table 5 shows the input requirements coefficients for the output from each industry that is directly and indirectly required to deliver a dollar of a commodity to final users. Each column

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3. The final-use multipliers presented in this article identify the cumulative effects on total industry and commodity outputs that result from a change in final use. In contrast to conventional macroeconomic multipliers that measure the cumulative impact on final output of a policy change, such as the decline in GDP that results from a reduction in government spending, these final-use multipliers measure the impact of a change in final demand (uses) on gross output (final *and* intermediate output). Indeed, shifts in the composition of final uses can have a "multiple" impact on industry and commodity output but can have no effect on the level of total GDP.

shows the commodity delivered to final users, and each row shows the total production that is required from an industry. The coefficients in this table are referred to as "industry-by-commodity total requirements coefficients." The table is also derived from both the make and use tables.

The calculations made using this table are similar to those using the commodity-by-commodity total requirements table. For example, to provide final users with an additional $1 billion of household appliances, the household appliances industry (row 54) is required to produce $954.3 million ($1 billion × 0.95433) of industry output; the paperboard containers and boxes industry (row 25) is required to produce $15.5 million ($1 billion × 0.01545) of industry output, the plastics and synthetic materials industry (row 28) is required to produce $45.1 million ($1 billion × 0.04510) of industry output, and so on.

The total at the bottom of each column in table 5 is the sum of all the changes in industry outputs that are required to deliver a dollar of a commodity to final users. Because each total change is a dollar multiple of the initial dollar spent for the output of the given industry, the total change in output is often called the total industry output multiplier.

These multipliers can be used to estimate the impact of changes in the final uses of com-modities on total industry output. For example, the total industry output multiplier for the household appliances commodity (column 54) is 2.31873 (the sum of all the entries in the column). The total dollar change in the output of all industries that is required for an additional $1 billion of household appliances delivered to final uses is $2,318.7 million ($1 billion × 2.31873).

Comparison of total multipliers.—The total multipliers in tables 4 and 5 are similar but not identical. The main reason for the difference is that the total commodity output multipliers in table 4 include "noncomparable imports," which by definition, do not have a domestic industry counterpart and are not included in the total industry output multipliers in table 5.

When using the two total requirements tables, one should be aware that the amount of output required to deliver a dollar of commodity to final users may include both imported commodities and domestically produced commodities. However, both the total commodity output multiplier and the total industry output multiplier represent the output required as if all of the commodity were domestically produced. Therefore, if a portion of the commodity was imported, the impact on domestic output would be lower than that implied by the multiplier.

Tables 3.1 through 5 follow.

Table 3.1.—Commodity-by-Industry

[Direct requirements per dollar]

Commodity number	For the composition of inputs to an industry, read the column for that industry	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Non-metallic minerals mining	New construction	Maintenance and repair construction	Ordnance and accessories	Food and kindred products
	Industry number	1	2	3	4	5+6	7	8	9+10	11	12	13	14
1	Livestock and livestock products	0.13260	0.00005	.00687	.02379								.17618
2	Other agricultural products	.24236	.02811		.11185			.00001			.00266	.00297	.07776
3	Forestry and fishery products			.02725	.00135								.00731
4	Agricultural, forestry, and fishery services	.04426	.07191	.21044	.00538	.00149	.00063	.00003	.00044	.00292	.00366	.00097	.00029
5+6	Metallic ores mining					.19379							
7	Coal mining					.00140	.11301		.00424			.00008	.00049
8	Crude petroleum and natural gas							.19262					
9+10	Nonmetallic minerals mining	.00008	.00267		.00007	.00065	.00037		.03464	.00720	.00969		
11	New construction										.00037		
12	Maintenance and repair construction	.01090	.01176	.03485	.01027	.01916	.00260	.02176	.00738	.00059	.00069	.00571	.00417
13	Ordnance and accessories											.01405	
14	Food and kindred products	.17456		.03235	.00333								.15563
15	Tobacco products												
16	Broad and narrow fabrics, yarn and thread mills		.00247				.00312					.00054	
17	Miscellaneous textile goods and floor coverings	.00152	.00197	.00583	.00283					.00260	.00297		.00005
18	Apparel						.00011	.00001				.00050	
19	Miscellaneous fabricated textile products		.00151	.00094	.00297					.00064	.00081		.00018
20+21	Lumber and wood products	.00048	.00425			.00335	.00249	.00001		.05111	.06469	.00202	.00018
22+23	Furniture and fixtures									.00295	.00002		
24	Paper and allied products, except containers	.00231	.00232	.00177	.00025	.00037	.00015	.00001	.00066	.00396	.00273	.00027	.01261
25	Paperboard containers and boxes	.00007	.00672	.00239	.00481	.00037	.00222	.00002	.00015	.00058	.00064	.00194	.01929
26A	Newspapers and periodicals	.00008	.00007		.00018		.00004	.00002	.00132			.00012	.00001
26B	Other printing and publishing	.00007	.00007	.00094	.00021		.00004	.00001	.00007	.00029	.00035		.00291
27A	Industrial and other chemicals	.00132	.00057	.00031	.00018	.04791	.00903	.01114	.01878	.00356	.00313	.00804	.00518
27B	Agricultural fertilizers and chemicals	.00235	.07718	.00291	.07706	.00009	.00007			(*)		.00082	(*)
28	Plastics and synthetic materials											.00311	.00040
29A	Drugs	.00315			.00004								.00313
29B	Cleaning and toilet preparations	.00071		.00146				.00005		.00032	.00050		.00118
30	Paints and allied products				.00025			.00001		.00899	.00932	.00031	
31	Petroleum refining and related products	.00870	.02712	.03568	.00619	.02428	.02352	.00600	.03603	.01192	.02026	.00256	.00314
32	Rubber and miscellaneous plastics products	.00433	.00559	.00073	.00113	.00837	.00903	.00014	.01074	.01540	.01753	.01390	.01806
33+34	Footwear, leather, and leather products	.00038						.00001					
35	Glass and glass products	.00009			.00039			.00002	.00051	.00231	.00070		.00983
36	Stone and clay products		.00126		.00018	.00540	.00386	.00179		.05128	.02799	.00140	.00003
37	Primary iron and steel manufacturing	.00012	.00016			.02670	.00305	.01130	.01169	.00810	.00683	.01436	
38	Primary nonferrous metals manufacturing				.00007			.00048		.00762	.00754	.01790	
39	Metal containers				.00021								.02307
40	Heating, plumbing, and fabricated structural metal products	.00022	.00023			.00754	.00264	.00036	.00373	.05152	.04206		
41	Screw machine products and stampings	.00037				.00121	.00498		.00080	.00062	.00050	.00660	.00147
42	Other fabricated metal products	.00152	.00239	.00083	.00237	.00019	.00234	.00425	.00066	.02006	.01643	.00939	.00301
43	Engines and turbines			.00125		.00251	.00346	.00021	.00307			.00085	.00001
44+45	Farm, construction, and mining machinery	.00276	.00632	.00416	.00078	.02940	.03284	.00273	.03713	.00198	.00183		
46	Materials handling machinery and equipment					.00614	.00583	.00049	.01367	.00290	.00010		
47	Metalworking machinery and equipment	.00034	.00042		.00004	.00065	.00019	.00018	.00022	.00070	.00047	.00144	.00011
48	Special industry machinery and equipment				.00004					(*)	.00002	.00314	.00031
49	General industrial machinery and equipment	.00034	.00066	.00010	.00007	.00326	.00828	.00098	.00687	.00721	.00286	.01060	.00055
50	Miscellaneous machinery, except electrical	.00055	.00127	.00010	.00046	.00214	.00424	.00160	.00102	.00052	.00003	.00625	.00042
51	Computer and office equipment												
52	Service industry machinery			.00021	.00007		.00015	.00004	.00015	.01098	.01062		.00011
53	Electrical industrial equipment and apparatus	.00010	.00020	.00031		.00140	.00197	.00067	.00322	.00590	.00462	.00644	.00024
54	Household appliances									.00207	.00248		
55	Electric lighting and wiring equipment	.00039	.00042	.00021	.00067		.00059	.00009	.00007	.01809	.01642	.00078	.00023
56	Audio, video, and communication equipment									.00415	.00282	.01091	
57	Electronic components and accessories											.05109	
58	Miscellaneous electrical machinery and supplies	.00203	.00458	.00052	.00103	.00028	.00026	.00009	.00088	.00214	.00197	.00027	.00004
59A	Motor vehicles (passenger cars and trucks)												
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00063	.00129	.00281	.00152	.00140	.00126	.00038	.00351	.00121	.00146	.00004	.00048
60	Aircraft and parts											.07671	
61	Other transportation equipment					.00019				.00014	.00016		
62	Scientific and controlling instruments			.00146	.00032	.00019	.00004	.00001		.00329	.00264	.03125	.00002
63	Ophthalmic and photographic equipment				.00028		.00011	.00010		.00011	.00010	.00023	.00002
64	Miscellaneous manufacturing	.00032	.00043		.00014	.00019	.00015	.00004	.00037	.00338	.00329		.00006
65A	Railroads and related services; passenger ground transportation	.01276	.00265	.00135	.00212	.00530	.02857	.00152	.00431	.00182	.00219	.00116	.00632
65B	Motor freight transportation and warehousing	.02112	.01055	.00270	.00878	.01330	.01155	.00239	.01659	.01541	.01583	.00691	.01508
65C	Water transportation	.00126	.00175	.01612	.00046	.00149	.00531	.00251	.00073	.00101	.00128		.00212
65D	Air transportation	.00016	.00076	.00333	.01165	.00316	.00353	.00233	.00278	.00140	.00147	.00446	.00340
65E	Pipelines, freight forwarders, and related services	.00098	.00019	.00010	.00007	.00009	.00019	.00009	.00015	.00002	.00003	.00004	.00003
66	Communications, except radio and TV	.00250	.00231	.00135	.00329	.00242	.00134	.00186	.00292	.00387	.00456	.00311	.00147
67	Radio and TV broadcasting												
68A	Electric services (utilities)	.01869	.00795	.00073	.00177	.07396	.02177	.01543	.04992	.00155	.00175	.00858	.00828
68B	Gas production and distribution (utilities)		.00290	.00021	.00007	.00716	.00130	.02677	.02003	.00025		.00171	.00405
68C	Water and sanitary services	.00117	.00502	.00156			.00011	.00079	.00058	.00111	.00134	.00089	.00129
69A	Wholesale trade	.05389	.05514	.02112	.03448	.02810	.03143	.00887	.03472	.03972	.03921	.02543	.05507
69B	Retail trade			.00208	.00028	.00140	.00137	.00120	.00329	.04023	.04519	.00012	.00186
70A	Finance	.00509	.00470	.00822	.00616	.00744	.00680	.00559	.00943	.00642	.00598	.00668	.00655
70B	Insurance	.00340	.00343	.00499	.00273	.00242	.00163	.00107	.00336	.00593	.00379	.00136	.00166
71A	Owner-occupied dwellings												
71B	Real estate and royalties	.04342	.08657	.00125	.00761	.00875	.02099	.16307	.01155	.00542	.00583	.00959	.00397
72A	Hotels and lodging places	.00027	.00033	.00291	.00152	.00298	.00301	.00251	.00278	.00089	.00100	.00303	.00260
72B	Personal and repair services (except auto)	.00028	.00066	.00062	.00255	.00047	.00030	.00011	.00029	.00053	.00066	.00089	.00114
73A	Computer and data processing services	.00058	.00055	.00135	.00057	.00214	.00085	.00109	.00380	.00074	.00091	.00870	.00165
73B	Legal, engineering, accounting, and related services	.00066	.00069	.02309	.01458	.01442	.01516	.01786	.00957	.06870	.03624	.00497	.00287
73C	Other business and professional services, except medical	.00470	.01036	.01654	.01087	.01247	.00747	.00364	.00877	.02920	.03319	.01545	.00996
73D	Advertising	.00012	.00021	.00062	.00358	.00047	.00052	.00121	.00314	.00075	.00084	.00485	.02584
74	Eating and drinking places	.00010	.00015	.00364	.00205	.00391	.00357	.00296	.00402	.00110	.00122	.00400	.00320
75	Automotive repair and services	.00202	.00454	.00572	.01313	.00456	.00167	.00107	.00219	.00657	.00816	.00206	.00375
76	Amusements			.00021		.00775	.00009	.00030	.00028	.00012	.00015	.00019	.00049
77A	Health services	.01545											
77B	Educational and social services, and membership organizations	.00059	.00058	.00260	.00064	.00167	.00197		.00076	.00006	.00005	.00070	.00061
78	Federal Government enterprises	.00010	.00009	.00062	.00099	.00084	.00004		.00058	.00102	.00123	.00016	.00041
79	State and local government enterprises	.00017	.00033	.00010	.00057	.00037	.00011	.00002		.00003	.00004	.00054	.00088
80	Noncomparable imports		.00042			.00781	.00085	.00980	.00146			.00023	.00122
81	Scrap, used and secondhand goods				.00007					.00001	.00001		
82	General government industry												
83	Rest of the world adjustment to final uses												
84	Household industry												
85	Inventory valuation adjustment												
I	Total intermediate inputs	.82948	.46682	.50005	.39889	.59717	.41286	.53200	.39965	.55625	.50602	.42038	.69392
VA	Value added	.17052	.53318	.49995	.60111	.40283	.58714	.46800	.60035	.44375	.49398	.57962	.30608
T	Total [1]	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000

* Less than .000005.

1. Detail may not add to 1 because of rounding.

Direct Requirements, 1992

of industry output, at producers' prices]

Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	Newspapers and periodicals	Other printing and publishing	Industrial and other chemicals	Agricultural fertilizers and chemicals	Plastics and synthetic materials	Drugs	Cleaning and toilet preparations	Paints and allied products	Commodity number
15	16	17	18	19	20+21	22+23	24	25	26A	26B	27A	27B	28	29A	29B	30	
	0.00934	0.00296	0.00027								.00534	.00056	.00002	.00219	0.00103		1
.07709	.06464	.00262	.00081				.00011								.00035		2
			.00282		.08125	.00012				.00005							3
.00010	.00024	.00028	.00016	.00026	.00029	.00051	.00041	.00025	.00046	.00026	.00042	.00039	.00033	.00048	.00033	.00028	5+6
											.00960	.00095				.00141	7
.00065	.00065	.00080	.00029	.00016	.00005	.00028	.00367	.00078			.00187	.00163	.00121	.00029	.00023	.00014	8
											.03148	.03500	.00493				9+10
							.00325				.00918	.05148		.00002	.00033	.00028	11
.00214	.00528	.00927	.00404	.00336	.00329	.00430	.01210	.00498	.00584	.00511	.00994	.00830	.01039	.00726	.00543	.00366	12
						.00123	.00641										13
		.00063									.00330	.01610	.00108	.00345	.01012	.00909	14
.08340																	15
	.21085	.16917	.21456	.26770		.04484	.00109			.00065			.00019				16
.00010	.00146	.03129	.00033	.06088	.00195	.02627	.00667		.00007	.00037	.00001		.00002	.00013	.00030		17
	.00082	.19754	.02299		.00008	.00007	.00005						.00004				18
.00005		.00011	.03197	.03186	.00002	.00047	.00002				.00001			.00003	.00010		19
.00002			.00001	.00184	.30111	.07711	.06533	.00116	.00019	.00006	.00034			.00002	.00005		20+21
					.00085	.00980											22+23
.00272	.00072	.00159	.00108	.00068	.00056	.00233	.14722	.42122	.08974	.14571	.00264	.00264	.01582	.00244	.00295	.00014	24
.01126	.00106	.00267	.00146	.00210	.00267	.01580	.01311	.00241	.00026	.00446	.00484	.00454	.00441	.01059	.03793	.00007	25
		.00006			.00015	.00005	.00007	.00066	.22026	.00148	.00007		.00004	.00010	.00003		26A
.00643	.00005	.00006	.00043	.00063	.00017	.00028	.00194	.00022	.06925	.11162	.00017	.00594	.00002	.00617	.00404	.00077	26B
.00010	.02267	.02207	.00007	.00572	.00508	.00161	.04711	.02070	.00725	.01789	.22937	.10914	.34005	.02440	.09738	.20390	27A
					.00243		.00024				.00843	.11474	.00470				27B
.00705	.16506	.24255	.01215	.02073	.00372	.00300	.02441	.00473		.00006	.00783		.03312			.12516	28
													.13347				29A
.00169	.00103	.00427	.00409		.00009	.00074	.00423	.00009			.00106	.00398	.00581	.00078	.05418	.01000	29B
					.00166	.00917	.00109	.00332	.00002	.00003	.00482		.00033		.00028	.01782	30
.00137	.00353	.00415	.00213	.00236	.00718	.00505	.00642	.00748	.00196	.00196	.01721	.01026	.00414	.00132	.01067	.01000	31
.00560	.00468	.00967	.00500	.01784	.00934	.04440	.03329	.00457	.00034	.01234	.01133	.00836	.04211	.02093	.06135	.00007	32
			.00373	.02257	.00010	.00105			.00002	.00002							33+34
	.00716	.00057			.00312	.00393					.00097	.00090	.00015	.00408	.00540	.00021	35
.00007	.00002				.00398	.00282	.00083			.00002	.00109	.00168	.00017	.00018	.00008	.01303	36
		.00011			.00044	.03762	.00029		.00730	.00002	.00290	.00006	.00002		.00003	.00035	37
					.00020	.01021	.00090		.00222	.00043	.00008					.00007	38
											.00589	.00477	.00008	.00129	.01088	.03522	39
					.00564												40
					.00405	.01110	.00005	.00056			.00003			.00104	.00124	.00014	41
.00115			.00007		.01096	.04663	.00333	.00733		.00041	.00651	.00236	.00033	.00064	.00237	.00014	42
										.00002							43
																	44+45
					.00033												46
.00025	.00036	.00023	.00003	.00037	.00087	.00084	.00054	.00075	.00007	.00027	.00038	.00006	.00050	.00005	.00018	.00007	47
	.00149	.01177	.00276	.00189	.00040	.00037	.00293	.00463	.00044	.00374	.00582		.00042				48
.00002			.00007		.00175	.00170	.00035				.00005	.00056	.00054	.00065	.00010		49
.00012	.00168	.00114	.00030	.00100	.00163	.00198	.00213	.00191	.00034	.00085	.00353	.00050	.00156	.00038	.00086	.00021	50
.00005									.00039	.00044	.00043						51
.00015			.00001		.00081	.00005	.00008			.00004	.00043	.00001	.00002	.00003	.00018		52
.00037	.00005				.00007	.00028	.00022			.00001	.00072	.00006	.00010	.00011	.00053		53
					.00199												54
.00042	.00005				.00152	.00016	.00023			.00005	.00005	.00011	.00008	.00019	.00050		55
									.00002		.00002	.00004					56
	.00002																57
.00005		.00006	.00004		.00018	.00002	.00006	.00003	.00037	.00013	.00002						58
																	59A
.00005	.00014	.00017	.00014		.00274	.00037	.00022	.00025	.00069	.00030	.00011	.00022	.00002	.00024	.00005	.00014	59B
																	60
					.00002												61
.00007			.00003	.00005	.00001	.00023	.00021	.00019	.00034	.00103	.00089	.00045	.00008	.00022	.00013	.00028	62
.00002	.00007		.00006		.00014	.00014	.00010	.00006	.00259	.00716	.00019	.00006	.00008	.00067	.00013	.00007	63
.00012		.00006	.01030	.00121	.00041	.00026	.00004	.00003	.00037	.00063	.00003		.00002	.00048	.00015	.00007	64
.00092	.00396	.00580	.00101	.00115	.00729	.00328	.01140	.01184	.00321	.00450	.01078	.01565	.00958	.00201	.00740	.01817	65A
.00453	.01025	.01667	.00839	.01254	.02389	.01350	.02819	.03792	.00896	.01632	.02311	.05530	.01967	.00405	.01143	.02536	65B
.00022	.00036	.00131	.00007	.00031	.00158	.00035	.00191	.00038	.00007	.00022	.00355	.00482	.00331	.00019	.00136	.00317	65C
.00274	.00310	.00330	.00415	.00467	.00323	.00356	.00358	.00454	.00347	.00394	.00360	.00303	.00352	.00337	.00338	.00282	65D
.00005			.00003		.00005		.00008		.00006	.00007	.00169	.00006	.00027	.00003	.00005	.00014	65E
.00152	.00142	.00273	.00197	.00231	.00184	.00316	.00226	.00285	.00614	.00391	.00214	.00213	.00445	.00335	.00310	.00247	66
																	67
.00209	.02745	.01433	.00997	.00834	.01220	.00894	.02594	.01014	.00517	.00805	.02591	.01632	.02231	.00702	.00522	.00585	68A
.00037	.00487	.00546	.00333	.00352	.00211	.00235	.01194	.00241	.00099	.00213	.01991	.02103	.01253	.00244	.00209	.00169	68B
.00012	.00115	.00199	.00046	.00105	.00137	.00088	.00549	.00094	.00030	.00068	.00796	.00572	.00539	.00191	.00172	.00352	68C
.01783	.04625	.03965	.04263	.04933	.05983	.06927	.05025	.06159	.02370	.03617	.05258	.05154	.04942	.06334	.05128	.04360	69A
.00286	.00065	.00017	.00017	.00021	.00089	.00172	.00139	.00025	.00072	.00033	.00057	.00062	.00058	.00073	.00320	.00014	69B
.00650	.00552	.00666	.00655	.00703	.00680	.00793	.00678	.00645	.00711	.00679	.00721	.01043	.00756	.00771	.00765	.00761	70A
.00139	.00134	.00142	.00135	.00142	.00174	.00179	.00162	.00144	.00169	.00154	.00171	.00168	.00142	.00136	.00139	.00134	70B
																	71A
.00339	.00336	.00461	.01104	.01506	.00670	.01056	.00366	.00510	.03086	.02291	.00734	.00505	.00389	.00798	.00868	.00409	71B
.00301	.00259	.00301	.00301	.00304	.00299	.00300	.00300	.00297	.00303	.00305	.00304	.00308	.00302	.00313	.00313	.00310	72A
.00092	.00593	.00410	.00152	.00058	.00152	.00077	.00292	.00175	.00079	.00117	.00242	.00275	.00279	.00096	.00088	.00063	72B
.00164	.00247	.00324	.00139	.00142	.00200	.00191	.00383	.00244	.00645	.00361	.00355	.00437	.00431	.00249	.00209	.00155	73A
.00919	.00264	.00375	.00247	.00383	.00389	.00759	.00228	.00197	.01326	.00386	.02470	.01312	.02806	.02760	.01524	.01113	73B
.00727	.01196	.01104	.04442	.00939	.01163	.01603	.01435	.01240	.03652	.01662	.01591	.02154	.01343	.02441	.01580	.00810	73C
.07886	.00257	.00984	.01105	.00483	.00386	.01087	.00622	.00163	.02708	.01058	.00689	.01396	.00583	.05928	.06571	.01317	73D
.00361	.00363	.00387	.00417	.00436	.00403	.00430	.00374	.00366	.00361	.00378	.00376	.00365	.00377	.00375	.00379	.00366	74
.00294	.00435	.00449	.00227	.00194	.00495	.00265	.00681	.00463	.00377	.00484	.00534	.00628	.00610	.00257	.00262	.00232	75
.00110	.00010	.00017	.00038	.00011	.00024	.00016	.00030	.00022	.00062	.00037	.00031	.00022	.00037	.00091	.00096	.00049	76
																	77A
.00082	.00055	.00057	.00065	.00598	.00294	.00147	.00096	.00063	.00086	.00131	.00080	.00118	.00192	.00365	.00162	.00063	77B
.00135	.00053	.00108	.00091	.00136	.00061	.00123	.00056	.00053	.00760	.00248	.00060	.00022	.00027	.00035	.00103	.00049	78
.00065	.00058	.00154	.00226	.00273	.00165	.00177	.00165	.00056	.00120	.00138	.00075	.00163	.00098	.00035	.00030	.00007	79
.00042	.00067	.00057	.00036	.00011	.00010	.00077	.00101	.00044		.00166	.00798	.00157	.00448	.03049	.00956	.00479	80
		.00210				.00016	.00803				.00028						81
																	82
																	83
																	84
																	85
.35906	.65137	.67184	.66270	.61281	.63325	.54715	.59995	.67750	.40017	.47984	.63335	.65302	.69217	.49011	.53798	.59353	I
.64094	.34863	.32816	.33730	.38720	.36675	.45285	.40005	.32250	.59983	.52016	.36665	.34698	.30783	.50989	.46202	.40647	VA
1.00000	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	T

Table 3.1.—Commodity-by-Industry

[Direct requirements per dollar]

Commodity number	For the composition of inputs to an industry, read the column for that industry	Petroleum refining and related products	Rubber and miscellaneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing	Primary nonferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products
	Industry number	31	32	33+34	35	36	37	38	39	40	41	42
1	Livestock and livestock products	.00001										
2	Other agricultural products	.00001										
3	Forestry and fishery products	.00001	.00746			.00002		.00017				
4	Agricultural, forestry, and fishery services	.00014	.00036	.00011	.00051	.00054	.00039	.00044	.00015	.00028	.00017	.00035
5+6	Metallic ores mining	.00014			.00095	.00044	.02866	.03762		.00026		.00004
7	Coal mining	.00005	.00014	.00021	.00550	.00660	.01762	.00028	.00008	.00004	.00006	.00006
8	Crude petroleum and natural gas	.51129										
9+10	Nonmetallic minerals mining	.00279	.00012		.01078	.06734	.00302	.00024				.00002
11	New construction											
12	Maintenance and repair construction	.00753	.00680	.00694	.00791	.00758	.00752	.00574	.00482	.00360	.00962	.00587
13	Ordnance and accessories											
14	Food and kindred products	.00095	.00010	.08999		.00037						
15	Tobacco products											
16	Broad and narrow fabrics, yarn and thread mills		.00924	.02647		.00350		.00014				
17	Miscellaneous textile goods and floor coverings		.01070	.02146	.00006							
18	Apparel		.00008	.00043								.00006
19	Miscellaneous fabricated textile products		.00011			.00006	.00012					
20+21	Lumber and wood products	.00002	.00154		.00971	.00385	.00199	.00304		.00059	.00043	.00133
22+23	Furniture and fixtures											
24	Paper and allied products, except containers	.00078	.00859	.00576	.00230	.01112	.00033	.00044	.00038	.00065	.00164	.00434
25	Paperboard containers and boxes	.00091	.01249	.00331	.04221	.00371	.00021	.00088	.00291	.00436	.00565	.00611
26A	Newspapers and periodicals	.00002	.00007			.00005	.00003	.00002		.00006	.00003	.00004
26B	Other printing and publishing	.00005	.00034	.00011	.00011	.00014	.00127	.00005	.00605	.00010	.00012	.00004
27A	Industrial and other chemicals	.01436	.04828	.03501	.03924	.02541	.01181	.00397	.00796	.01081	.00499	.01165
27B	Agricultural fertilizers and chemicals											
28	Plastics and synthetic materials		.17758	.00117		.00564		.01457		.00075	.00245	.00535
29A	Drugs											
29B	Cleaning and toilet preparations	.00288	.00070	.00427	.00196	.00217	.00003			.00006	.00014	.00028
30	Paints and allied products		.00067		.00067	.00131	.00025	.00011	.02181	.00507	.00233	.00673
31	Petroleum refining and related products	.08529	.00289	.00534	.00606	.01098	.00569	.00477	.00253	.00303	.00199	.00352
32	Rubber and miscellaneous plastics products	.00327	.05706	.03160	.02167	.00813	.00179	.00964	.00138	.01085	.00409	.02787
33+34	Footwear, leather, and leather products	.00001		.22758						.00006		
35	Glass and glass products	.00226	.00549		.09026	.00240		.00375		.00568	.00081	.00100
36	Stone and clay products	.00191	.00139	.00064	.01375	.10195	.01545	.00220	.00061	.00141	.00173	.00228
37	Primary iron and steel manufacturing	.00014	.00466		.00107	.00830	.18508	.01044	.17214	.17680	.21543	.11437
38	Primary nonferrous metals manufacturing		.00063			.00142	.01913	.33486	.31887	.08557	.04821	.05719
39	Metal containers	.00094					.00003		.09009			
40	Heating, plumbing, and fabricated structural metal products		.00030			.00044	.00007			.03673		.00109
41	Screw machine products and stampings		.00242	.00032	.00079	.00121	.00359	.00050	.00038	.01267	.01513	.02138
42	Other fabricated metal products	.00080	.00600	.00651		.00664	.01604	.00670	.01500	.03388	.02305	.06481
43	Engines and turbines		.00018				.00030					.00072
44+45	Farm, construction, and mining machinery											
46	Materials handling machinery and equipment		.00002				.00022	.00017				
47	Metalworking machinery and equipment	.00013	.00183	.00021	.00500	.00226	.00848	.00941	.00122	.00667	.02063	.00430
48	Special industry machinery and equipment		.00297	.00011	.00112		.00034	.00096			.00006	
49	General industrial machinery and equipment	.00001	.00022			.00086	.01663	.00635		.00226	.00187	.00033
50	Miscellaneous machinery, except electrical	.00062	.00575	.00149	.00438	.00249	.00535	.00370	.00329	.00477	.01864	.00804
51	Computer and office equipment											
52	Service industry machinery	.00001	.00005		.00011	.00009	.00001			.00020		.00002
53	Electrical industrial equipment and apparatus	.00001	.00033		.00202	.00019	.00716	.00287	.00008	.00158	.00061	.00580
54	Household appliances											
55	Electric lighting and wiring equipment	.00005	.00039		.00039	.00042		.00080		.00004	.00017	.00007
56	Audio, video, and communication equipment											
57	Electronic components and accessories		.00057									
58	Miscellaneous electrical machinery and supplies	.00001	.00017			.00028	.00005			.00002		.00009
59A	Motor vehicles (passenger cars and trucks)											
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00034	.00013		.00034	.00098	.00017	.00016	.00008	.00022	.00072	.00009
60	Aircraft and parts											
61	Other transportation equipment											
62	Scientific and controlling instruments	.00017	.00010		.00045	.00035	.00114	.00008		.00218		.00006
63	Ophthalmic and photographic equipment	.00004	.00014		.00011	.00009	.00010	.00006	.00008	.00016	.00016	.00011
64	Miscellaneous manufacturing	.00003	.00014	.00149	.00006	.00075	.00004	.00003		.00018	.00006	.00004
65A	Railroads and related services; passenger ground transportation	.00241	.00690	.00107	.01448	.01401	.01600	.00881	.00292	.00376	.00450	.00285
65B	Motor freight transportation and warehousing	.00480	.03007	.01099	.01476	.06664	.02463	.02932	.01753	.01618	.01510	.01334
65C	Water transportation	.00498	.00164		.00331	.00963	.00558	.00144	.00061	.00034	.00061	.00069
65D	Air transportation	.00067	.00371	.00395	.00303	.00296	.00389	.00373	.00291	.00329	.00352	.00322
65E	Pipelines, freight forwarders, and related services	.03089	.00003			.00005	.00003	.00002	.00008		.00003	
66	Communications, except radio and TV	.00121	.00277	.00299	.00281	.00340	.00195	.00199	.00161	.00305	.00202	.00333
67	Radio and TV broadcasting											
68A	Electric services (utilities)	.01073	.02017	.00769	.02941	.02743	.03662	.03611	.01271	.00847	.01271	.01449
68B	Gas production and distribution (utilities)	.08008	.00378	.00331	.01673	.01923	.01535	.00682	.00436	.00339	.00357	.00537
68C	Water and sanitary services	.00290	.00144	.00961	.00225	.00226	.00699	.00284	.00130	.00087	.01141	.00204
69A	Wholesale trade	.03959	.04289	.04366	.04474	.03613	.07203	.08527	.06628	.06066	.05752	.05456
69B	Retail trade	.00018	.00121	.00032	.00275	.00114	.00027	.00013	.00038	.00065	.00055	.00065
70A	Finance	.00776	.00747	.00619	.00662	.00692	.00708	.00646	.00643	.00669	.00752	.00710
70B	Insurance	.00100	.00149	.00181	.00163	.00214	.00166	.00143	.00130	.00133	.00147	.00143
71A	Owner-occupied dwellings											
71B	Real estate and royalties	.00844	.00929	.00662	.00634	.00774	.00377	.00469	.00467	.01024	.00790	.00878
72A	Hotels and lodging places	.00095	.00303	.00278	.00303	.00298	.00299	.00300	.00306	.00303	.00288	.00309
72B	Personal and repair services (except auto)	.00174	.00184	.00096	.00264	.00291	.00414	.00212	.00191	.00089	.00216	.00161
73A	Computer and data processing services	.00222	.00330	.00544	.00404	.00387	.00590	.00300	.00237	.00251	.00360	.00372
73B	Legal, engineering, accounting, and related services	.00671	.00625	.00288	.00359	.00529	.00415	.00260	.00352	.00440	.00824	.00678
73C	Other business and professional services, except medical	.00828	.01369	.00950	.01437	.01669	.01865	.01237	.00995	.02109	.01761	.01593
73D	Advertising	.00365	.00583	.02252	.00427	.00597	.00432	.00179	.00253	.00558	.00758	.00908
74	Eating and drinking places	.00187	.00397	.00448	.00415	.00399	.00387	.00390	.00383	.00422	.00406	.00428
75	Automotive repair and services	.00331	.00453	.00256	.00601	.00655	.00833	.00480	.00459	.00297	.00435	.00441
76	Amusements	.00016	.00029	.00011	.00017	.00019	.00024	.00020	.00038	.00016	.00032	.00017
77A	Health services											
77B	Educational and social services, and membership organizations	.00072	.00366	.00043	.00062	.00070	.00067	.00082	.00115	.00101	.00285	.00096
78	Federal Government enterprises	.00030	.00060	.00181	.00079	.00061	.00073	.00047	.00008	.00073	.00072	.00074
79	State and local government enterprises	.00024	.00064	.00267	.00045	.00233	.00074	.00135	.00046	.00123	.00055	.00115
80	Noncomparable imports	.00226	.00210	.00021	.00168	.00226	.00112	.00193	.00015	.00154	.00095	.00094
81	Scrap, used and secondhand goods				.00561		.03030	.05137		.00172		.00054
82	General government industry											
83	Rest of the world adjustment to final uses											
84	Household industry											
85	Inventory valuation adjustment											
I	Total intermediate inputs	.86599	.56179	.62511	.46983	.54412	.64198	.74390	.80850	.58162	.56534	.52683
VA	Value added	.13401	.43821	.37489	.53017	.45588	.35802	.25610	.19150	.41838	.43466	.47317
T	Total [1]	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**

* Less than .000005.
1. Detail may not add to 1 because of rounding.

Direct Requirements, 1992—Continued

of industry output, at producers' prices]

Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metalworking machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Electrical industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Audio, video, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Commodity number
43	44+45	46	47	48	49	50	51	52	53	54	55	56	57	58	59A	59B	
																	1
															.00001	.00001	2
																	3
.00047	.00041	.00025	.00035	.00035	.00050	.00048	.00025	.00026	.00061	.00048	.00037	.00025	.00076	.00080	.00015	.00030	4
	.00037		.00023			.00005			.00119		.00061			.00033		.00348	5+6
.00006	.00009		.00004	.00005	.00007	.00008	.00002	.00008	.00004				.00003		.00012	.00026	7
																	8
			.00082	.00005						.00168			.00001				9+10
																	11
.00657	.00512	.00405	.00621	.00583	.00500	.00654	.00594	.00658	.00532	.00517	.00481	.00608	.01304	.00561	.00326	.00705	12
																	13
																	14
																	15
										.00012					.00118		16
				.00718	.00132			.00004					.00002		.00748	.00061	17
.00041			.00012	.00010	.00003			.00004					.00001		.00003		18
															.02693	.00019	19
	.00156	.00123	.00320	.00267	.00091	.00016		.00238	.00083	.00066	.00005	.00004			.00003	.00176	20+21
										.00012		.01168	.00018	.00005	.01673	.00037	22+23
.00041	.00031	.00049	.00062	.00677	.00429	.00032	.00055	.00469	.00511	.01419	.00644	.00399	.00209	.00198	.00029	.00087	24
.00082	.00103	.00012	.00367	.00109	.00409	.00267	.00285	.00370	.00356	.01034	.01366	.00228	.00151	.01178	.00013	.00411	25
		.00003	.00004	.00005		.00012	.00013	.00004	.00007			.00010	.00008	.00013	.00003	.00005	26A
.00012	.00016	.00012	.00020	.00010	.00010	.00016	.00013	.00004	.00007	.00036	.00005	.00033	.00007	.00009	.00012	.00032	26B
.00006	.00069	.00037	.00648	.00129	.00007	.00020		.00227	.00144	.00679	.00262	.00033	.01128	.00909	.00474	.00441	27A
																	27B
				.00050	.00048	.00038	.00404	.00295	.02543	.02255	.00251	.00275	.01216	.00005	.00548		28
																	29A
							.00008	.00038	.00065	.00096	.00120	.00036	.00010	.00014	.00005	.00005	29B
.00117	.00378	.00135	.00203		.00050	.00032	.00056	.00321	.00248	.00818	.00037	.00021			.01140	.00529	30
.00153	.00215	.00380	.00285	.00252	.00305	.00243	.00070	.00170	.00586	.00397	.00340	.00082	.00107	.00198	.00125	.00201	31
.01185	.04221	.01987	.00925	.01977	.02589	.00479	.01270	.02661	.02798	.08710	.02930	.01938	.01490	.06502	.06101	.02580	32
															.00001	.00001	33+34
	.00044			.00069				.00015		.00198	.02475	.00004		.00899	.00998	.00080	35
.00440	.00125	.00098	.00890	.00203	.00262	.00355	.00013	.00450	.03035	.00541	.00989	.00017	.00066	.00075	.00133	.00336	36
.13049	.10602	.11249	.07548	.06263	.07668	.07355	.00113	.05424	.04682	.06835	.03610	.00468	.00468	.01871	.00155	.08408	37
.02546	.00843	.02404	.02237	.04187	.02620	.06079	.00776	.05870	.05178	.04508	.05369	.01135	.02385	.05362	.00029	.07238	38
																	39
.01379	.04449	.01595	.01214	.01443	.01167	.00355	.00668	.00839	.00503			.00535	.00385	.00368		.02042	40
.03773	.01430	.03067	.00851	.00959	.00963	.00977	.00754	.03175	.01838	.02957	.02867	.01043	.01030	.01065	.08362	.04028	41
.03385	.01655	.02343	.01156	.02827	.01261	.01603	.00308	.01735	.00716	.01659	.02145	.00654	.03499	.01993	.01854	.01374	42
.07252	.05307	.00785		.00331	.00480	.00096		.00110	.00892						.01340	.00245	43
	.03793																44+45
	.00028	.01877		.00015	.00023										.00005	.00007	46
.00622	.00500	.00454	.04623	.00914	.00503	.01528	.00044	.00473	.00219	.00186	.00288	.00071	.00156	.00221	.00131	.00243	47
			.03322										.00103				48
.01660	.02754	.05680	.01035	.02511	.07735	.01272	.00036	.01765	.00442	.00373		.00035	.00443	.00377	.00036	.01683	49
.04459	.02766	.03005	.03034	.03969	.03240	.06322	.00133	.02181	.00726	.00210	.00445	.00199	.00443	.00462	.00527	.03824	50
				.00089			.18300		.00040			.00383	.01090	.00683	.00001	.00002	51
				.00015	.00003			.07571	.00004	.02092	.00010	.00015	.00001		.01476	.00263	52
.04054	.00668	.03030	.02265	.03826	.03730	.00275	.01758	.05375	.07052	.04707	.02679	.00276	.00106	.01225	.00005	.00011	53
										.00126							54
	.00031		.00023			.00020	.00100	.00684	.00205	.01431	.03176	.00709	.00190	.00330	.00557	.00075	55
							.00111					.03181	.00151	.00151	.01174	.00001	56
			.00047	.00173	.00178	.00311	.21142	.00015	.02521	.00872	.00738	.23585	.18266	.09575	.01736	.02581	57
.01168	.00599	.00405	.00176	.00094	.00067	.00072	.00023		.00040	.00006	.00005		.00520	.02813	.01656	.01739	58
															.00427	.00537	59A
.00440	.00403	.00012	.00023	.00010	.00013	.00012	.00006	.00015	.00007		.00005	.00004	.00004	.00019	.26779	.08799	59B
																	60
																	61
			.00043	.00015	.00040		.00005	.01633	.00144	.03925		.00247	.00202	.00269	.00586	.00005	62
.00012	.00009	.00012	.00020	.00015	.00013		.00032	.00020	.00015	.00022	.00006	.00021	.00021	.00033	.00013	.00020	63
	.00022	.00049	.00012	.00005			.00002	.00045	.00011	.00054	.00361	.00002		.00005	.00008	.00009	64
.00117	.00206	.00147	.00144	.00143	.00167	.00187	.00075	.00170	.00277	.00258	.00194	.00092	.00190	.00184	.00345	.00336	65A
.01748	.01586	.01116	.01078	.01003	.00862	.00917	.00181	.00945	.00823	.01214	.01010	.00332	.00436	.01169	.01574	.01445	65B
	.00053		.00023	.00015	.00007	.00024	.00008	.00019	.00072	.00030	.00010	.00008	.00025	.00033	.00033	.00041	65C
.00604	.00465	.00429	.00359	.00499	.00423		.00558	.00389	.00414	.00355	.00330	.00408	.00433	.00401	.00658	.00528	65D
.00006	.00003						.00004						.00004	.00003	.00006	.00005	65E
.00223	.00287	.00356	.00437	.00465	.00433	.00287	.00383	.00295	.00406	.00343	.00303	.00410	.00358	.00264	.00107	.00182	66
																	67
.00792	.00812	.00601	.01113	.00806	.01077	.01213	.00544	.00752	.01000	.00811	.01020	.00529	.01298	.01070	.00323	.00987	68A
.00205	.00265	.00233	.00269	.00208	.00285	.00299	.00069	.00212	.00280	.00252	.00303	.00079	.00162	.00212	.00094	.00218	68B
.00117	.00081	.00037	.00070	.00064	.00104	.00076	.00053	.00272	.00090	.00042	.00105	.00038	.00099	.00259	.00052	.00290	68C
.05632	.07321	.08587	.04732	.06984	.06088	.03777	.10373	.06751	.07016	.06853	.07153	.05769	.05434	.08119	.08229	.06944	69A
.00023	.00028	.00012	.00016	.00020	.00027	.00020	.00025	.00068	.00068	.00168	.00162	.00056	.00028	.00090	.00031	.00051	69B
.00657	.00712	.00638	.00683	.00652	.00678	.00702	.00757	.00733	.00849	.00733	.00717	.00744	.00765	.00801	.00672	.00751	70A
.00129	.00153	.00159	.00148	.00124	.00141	.00136	.00128	.00144	.00129	.00144	.00136	.00128	.00142	.00141	.00149	.00147	70B
																	71A
.00569	.00481	.00748	.01078	.01092	.00694	.01344	.01281	.00514	.00791	.00373	.01067	.00959	.01025	.00777	.00344	.00402	71B
.00305	.00312	.00270	.00308	.00306	.00302	.00303	.00313	.00299	.00302	.00307	.00303	.00299	.00304	.00297	.00301	.00304	72A
.00129	.00119	.00074	.00098	.00079	.00134	.00104	.00050	.00098	.00115	.00072	.00078	.00071	.00182	.00141	.00086	.00212	72B
.00475	.00378	.00184	.00297	.00222	.00332	.00219	.00876	.00404	.00237	.00144	.00351	.00512	.00489	.00250	.00085	.00298	73A
.00282	.00702	.00834	.00793	.00954	.00724	.00754	.00943	.00597	.00435	.00337	.00539	.00823	.01410	.00344	.00799	.00625	73B
.01173	.01189	.01141	.01347	.01186	.01399	.01883	.01137	.00998	.01417	.01016	.01235	.01204	.01775	.01838	.00691	.01206	73C
.00229	.00815	.00711	.00738	.00821	.00969	.00889	.00959	.00835	.01197	.02621	.02020	.00658	.01176	.00938	.00453	.01966	73D
.00405	.00421	.00393	.00480	.00455	.00443	.00403	.00361	.00404	.00424	.00433	.00455	.00376	.00383	.00457	.00366	.00390	74
.00293	.00312	.00221	.00344	.00242	.00352	.00299	.00205	.00280	.00298	.00240	.00293	.00232	.00400	.00377	.06502	.00422	75
.00029	.00034	.00012	.00012	.00025		.00017	.00032	.00039	.00034	.00022	.00030	.00021	.00031	.00038		.00019	76
																	77A
.00076	.00066	.00049	.00086	.00054	.00067	.00072	.00106	.00140	.00076	.00210	.00063	.00127	.00155	.00108	.00275	.00188	77B
.00059	.00106	.00086	.00074	.00124	.00081	.00040	.00025	.00019	.00079	.00222	.00073	.00123	.00044	.00057	.00068	.00159	78
.00111	.00100	.00282	.00219	.00133	.00198	.00259	.00070	.00087	.00083	.00114	.00157	.00033	.00052	.00141	.00033	.00049	79
.00123	.00281	.00294	.00086	.00341	.00299	.00172	.05582	.00087	.00687	.00192	.00999	.00742	.00414	.01409	.00308	.00478	80
			.00008		.00034	.00008								.00372		.00025	81
																	82
																	83
																	84
																	85
.61101	.59108	.56845	.43848	.52321	.51459	.43520	.71854	.58545	.51681	.64757	.52776	.52787	.51480	.58083	.84106	.68498	I
.38899	.40892	.43155	.56152	.47679	.48541	.56480	.28146	.41455	.48319	.35243	.47224	.47213	.48520	.41917	.15894	.31502	VA
1.00000	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**T**

Table 3.1.—Commodity-by-Industry
[Direct requirements per dollar

Commodity number	For the composition of inputs to an industry, read the column for that industry	Aircraft and parts	Other transportation equipment	Scientific and controlling instruments	Ophthalmic and photographic equipment	Miscellaneous manufacturing	Railroads and related services; passenger ground transportation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services
	Industry number	60	61	62	63	64	65A	65B	65C	65D	65E
1	Livestock and livestock products					0.00007					
2	Other agricultural products	.00001				.00082		.00001	.00009	.00001	
3	Forestry and fishery products					.00034			.00009		
4	Agricultural, forestry, and fishery services	.00062	.00047	.00048	.00033	.00019	.00002	.00001			
5+6	Metallic ores mining	.00030		.00013		.00027					
7	Coal mining	.00015	.00020	.00030	.00079	.00005			.00028		
8	Crude petroleum and natural gas										.00247
9+10	Nonmetallic minerals mining					.00012					
11	New construction										
12	Maintenance and repair construction	.00781	.00357	.00591	.00617	.00457	.04421	.00441	.00092	.00254	.01708
13	Ordnance and accessories										.00015
14	Food and kindred products	.00007		.00052		.00218			.00256	.00245	
15	Tobacco products										
16	Broad and narrow fabrics, yarn and thread mills	.00097		.00301		.01118				.00001	
17	Miscellaneous textile goods and floor coverings	.00006	.00310	.00525	.00004	.00070		.00005	.00136		
18	Apparel	.00006		.00017		.00438	.00041	.00002	.00194	.00009	
19	Miscellaneous fabricated textile products	.00141	.00413	.00001		.00109		.00007	.00311	.00006	.00226
20+21	Lumber and wood products	.00020	.01333	.00070		.01193		.00020	.00009	.00002	.00488
22+23	Furniture and fixtures	.00054	.00120	.00048		.00051					
24	Paper and allied products, except containers	.00026	.00027	.00361	.03713	.00675	.00039	.00036		.00033	.00060
25	Paperboard containers and boxes	.00015	.00017	.00454	.01003	.01888	.00007	.00058		.00003	.00232
26A	Newspapers and periodicals	.00005	.00003	.00010	.00046	.00017	.00023	.00025	.00120	.00020	.00048
26B	Other printing and publishing	.00030	.00007	.00067	.00012	.00157	.00361	.00223	.00102	.00163	.00720
27A	Industrial and other chemicals	.00069	.00053	.00148	.02093	.01014	.00187	.00062	.00037	.00019	.00024
27B	Agricultural fertilizers and chemicals										
28	Plastics and synthetic materials	.00307	.00430	.00426	.01152	.02401			.00012		
29A	Drugs										
29B	Cleaning and toilet preparations			.00028	.00058	.00092		.00001		.00003	
30	Paints and allied products	.00157	.00533	.00031		.00581		.00034	.00080	.00004	
31	Petroleum refining and related products	.00175	.00323	.00133	.00178	.00479	.05983	.04750	.02241	.10039	.00541
32	Rubber and miscellaneous plastics products	.01637	.02060	.02016	.02321	.03742	.00486	.01194	.00318	.00034	.00544
33+34	Footwear, leather, and leather products	.00001				.00075	.00002	.00001		.00001	.00003
35	Glass and glass products	.00019	.00603	.00351	.00638	.00058	.00093	.00002	.00012		.00036
36	Stone and clay products	.00214	.00093	.00116	.00041	.00339	.00004	.00005	.00006	.00001	.00012
37	Primary iron and steel manufacturing	.00815	.05360	.00914	.00174	.01873	.00725			.00002	
38	Primary nonferrous metals manufacturing	.02389	.01400	.01309	.00448	.04848	.00002	.00002	.00065		
39	Metal containers			.00024							
40	Heating, plumbing, and fabricated structural metal products	.00089	.02117	.00722	.00029	.00351		.00015			
41	Screw machine products and stampings	.00873	.00727	.01197	.00854	.00339	.00013	.00006		.00045	
42	Other fabricated metal products	.01557	.01773	.01497	.00274	.01138	.00474	.00285	.00681	.00074	.00220
43	Engines and turbines		.04277			.00005	.00393	.00061	.00669		.00101
44+45	Farm, construction, and mining machinery		.00117								
46	Materials handling machinery and equipment		.00003					.00003			
47	Metalworking machinery and equipment	.01005	.00197	.00144	.00120	.00242	.00135	.00012	.00465	.00030	
48	Special industry machinery and equipment							.00001			
49	General industrial machinery and equipment	.00270	.02180	.00066	.00017	.00053	.00604	.00027	.01150	.00005	.00312
50	Miscellaneous machinery, except electrical	.01341	.00803	.00427	.00377	.00777	.00188	.00035	.00293	.00131	.00128
51	Computer and office equipment	.00142		.01234	.00046	.00051		.00001	.00001	.00002	.00057
52	Service industry machinery		.00277	.00002	.00004	.00007	.00014	.00005		.00004	.00012
53	Electrical industrial equipment and apparatus	.00114	.02803	.01001	.00493	.00453	.00448	.00114	.00031	.00014	.00083
54	Household appliances		.00573						.00003		
55	Electric lighting and wiring equipment		.00327	.00275	.00025	.00044	.00038	.00027	.00037	.00007	
56	Audio, video, and communication equipment	.00737	.00057	.00784		.00012		.00002		.00001	.00024
57	Electronic components and accessories	.01594	.00027	.08923	.03535	.01109	.00027			.00126	
58	Miscellaneous electrical machinery and supplies	.00035	.00370	.00043	.00012	.00031	.00151	.00122	.00099	.00046	.00235
59A	Motor vehicles (passenger cars and trucks)		.02207								
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00007	.02147	.00009	.00017	.00012	.00696	.00484	.00003	.00015	.00086
60	Aircraft and parts	.24824								.02873	
61	Other transportation equipment		.02680				.01693	.00004	.02284		.00003
62	Scientific and controlling instruments	.04969	.00310	.02882	.00510			.00008	.00003	.00014	
63	Ophthalmic and photographic equipment	.00021	.00007	.00026	.05151	.00027	.00018	.00037	.00022	.00020	.00083
64	Miscellaneous manufacturing	.00013	.00010	.00011	.00004	.07312	.00023	.00023	.00228	.00029	.00095
65A	Railroads and related services; passenger ground transportation	.00111	.00220	.00106	.00340	.00240	.04247	.00265	.00059	.00136	.00098
65B	Motor freight transportation and warehousing	.00491	.01307	.00430	.00717	.01191	.00660	.17256	.00321	.00248	.00622
65C	Water transportation	.00017	.00013	.00012	.00058	.00048	.00140	.00125	.13200	.00174	.00167
65D	Air transportation	.00768	.00463	.00381	.00348	.00336	.00384	.00373	.00237	.06441	.00693
65E	Pipelines, freight forwarders, and related services	.00009		.00004	.00004		.00793	.02974	.04337	.08307	.02270
66	Communications, except radio and TV	.00221	.00220	.00501	.00472	.00368	.00701	.01266	.00083	.01279	.02862
67	Radio and TV broadcasting										
68A	Electric services (utilities)	.00665	.00677	.00772	.00613	.00784	.00172	.00676	.00370	.00312	.01303
68B	Gas production and distribution (utilities)	.00107	.00187	.00082	.00232	.00254	.00002	.00071	.00028	.00015	.00033
68C	Water and sanitary services	.00144	.00133	.00064	.00095	.00075	.00194	.01281	.00111	.00132	.00098
69A	Wholesale trade	.03036	.05230	.04083	.05976	.08363	.02728	.03037	.01557	.01553	.00892
69B	Retail trade	.00015	.00027	.00052	.00079	.00133	.00332	.00452	.00046	.00046	.00077
70A	Finance	.00898	.00643	.00758	.00854	.00748	.01742	.00774	.03231	.01631	.02624
70B	Insurance	.00132	.00157	.00138	.00145	.00179	.00468	.00803	.00142	.00160	.00538
71A	Owner-occupied dwellings										
71B	Real estate and royalties	.00474	.01367	.01026	.00543	.01220	.01107	.02081	.02762	.01563	.02100
72A	Hotels and lodging places	.00325	.00287	.00302	.00298	.00290	.00249	.00380	.00142	.00319	.00295
72B	Personal and repair services (except auto)	.00157	.00063	.00072	.00062	.00082	.00138	.00063	.00059	.00290	.00211
73A	Computer and data processing services	.00842	.00373	.00475	.00332	.00191	.01413	.00287	.00863	.02362	.06979
73B	Legal, engineering, accounting, and related services	.00950	.00557	.01138	.00240	.00620	.00725	.00520	.02105	.01138	.05212
73C	Other business and professional services, except medical	.01556	.01117	.02287	.01968	.01568	.01984	.02042	.07263	.01634	.02743
73D	Advertising	.00430	.00570	.01540	.01281	.03953	.00396	.00212	.03835	.01475	.02478
74	Eating and drinking places	.00400	.00410	.00413	.00394	.00453	.00413	.00447	.00176	.01946	.00369
75	Automotive repair and services	.00361	.00213	.00237	.00240	.00283	.01177	.05759	.00161		.00654
76	Amusements	.00035	.00017	.00036	.00037	.00041	.00025	.00043	.00046	.00063	.00051
77A	Health services							.00037			
77B	Educational and social services, and membership organizations	.00221	.00073	.00206	.00390	.00385	.00244	.00048	.00373	.00069	.00747
78	Federal Government enterprises	.00091	.00037	.00118	.00070	.00286	.00106	.00148	.00031	.00081	.00393
79	State and local government enterprises	.00029	.00177	.00137	.00137	.00228	.00161	.00162		.00022	.00030
80	Noncomparable imports	.00096	.00070	.00209	.00758	.00184	.00328	.00359	.09106	.09376	.00744
81	Scrap, used and secondhand goods					.00002		.00003			
82	General government industry										
83	Rest of the world adjustment to final uses										
84	Household industry										
85	Inventory valuation adjustment										
I	Total intermediate inputs	.57249	.52103	.42907	.40661	.56548	.38318	.50063	.60555	.55210	.41623
VA	Value added	.42751	.47897	.57093	.59339	.43452	.61682	.49937	.39445	.44790	.58377
T	Total [1]	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000

* Less than .000005.
1. Detail may not add to 1 because of rounding.

Direct Requirements, 1992—Continued

of industry output, at producers' prices]

Communi-cations, except radio and TV	Radio and TV broad-casting	Electric services (utilities)	Gas production and distribution (utilities)	Water and sanitary services	Wholesale trade	Retail trade	Finance	Insurance	Owner-occupied dwellings	Real estate and royalties	Hotels and lodging places	Personal and repair services (exc. auto)	Computer and data processing services	Legal, en-gineering, account-ing, and related services	Other business and professional services, ex-cept medical	Advertising	Com-modity number
66	67	68A	68B	68C	69A	69B	70A	70B	71A	71B	72A	72B	73A	73B	73C	73D	
															0.00013		1
(*)		.00001	.00001		.00013	(*)	.00001	.00001		.00005	.00008		.00002	.00002	.00001		2
											.00005						3
.00018	.00014	.00009			.00049	.00103	.00027	.00026	.00795	.00523	.00461	.00046	.00047	.00044	.00030	.00030	4
																	5+6
		.09173			.00002	.00001	(*)				.00001	.00003	.00003		(*)	(*)	7
		.00005	.41602		.00002												8
					.00001	(*)						.00003					9+10
																	11
.03929	.00886	.07797	.07298	.08002	.00429	.00960	.00275	.00265	.04738	.05377	.02560	.00558	.00268	.00151	.00263	.00171	12
															.00026		13
					.00116	.00018					.00200				.00009		14
																	15
					.00015	.00010				.00010	.00155				.00002		16
(*)					.00009	.00008	(*)			(*)	.00022	.00040		.00001	.00002		17
.00044					.00105	.00006					.00082	.00410			.00026		18
.00001		.00001			.00048	.00006	.00042	.00008		.00002	.00844	.00283			.00002	.00060	19
.00009	.00003	.00004	.00003	.00818	.00332	.00020	.00018	.00020		.00008	.00020	.00047	.00016	.00029	.00026	.00013	20+21
					(*)					.00001		.00002	.00002	.00001			22+23
.00087	.00041	.00037	.00026	.00057	.00396	.00752	.00272	.00165		.00099	.00341	.00278	.00248	.00284	.00412	.00285	24
.00041	.00017	.00009	.00005	.00016	.00548	.00168	.00032	.00021		.00014	.00208	.00064	.00022	.00037	.00168	.00023	25
.00040	.00024	.00005	.00001	.00021	.00048	.00022	.00076	.00015		.00004	.00089	.00037	.00030	.00050	.00045	.00020	26A
.00377	.00034	.00052	.00016	.00026	.00988	.00115	.00842	.00668		.00148	.00320	.01034	.00898	.00766	.00720	.07444	26B
.00008	.00048	.00173	.00002	.02607	.00066	.00008	.00012	.00009	(*)	.00008	.00018	.00168	.00009	.00017	.00365	.00007	27A
					.00059	.00004			.00075	.00024	.00188				.00001		27B
					.00001	.00002											28
.00002					.00006												29A
.00012		.00002	.00005		.00082	.00030	.00006	.00003		.00009	.00121	.01217	.00003	.00011	.00132		29B
.00027			.00010	.00003	.00006	(*)	.00020	.00005		.00002	.00010			.00001	.00016		30
.00101	.00106	.01286	.00379	.03764	.00611	.00533	.00094	.00055		.00102	.00315	.00416	.00090	.00085	.00439	.00047	31
.00212	.00014	.00097	.00010	.00813	.00478	.00340	.00030	.00148	.00013	.00072	.00414	.00421	.00166	.00095	.00305	.00087	32
.00001		.00001	.00001		.00002	.00025	.00004	.00003		.00001	.00008	.00381	.00003		.00016	.00016	33+34
.00009				.00109	.00035	.00003	.00006	.00004		.00001	.00426	.00004	.00003		.00049	.00086	35
		.00002			.00083	.00020	.00004	.00002		(*)	.00065	.00064	.00011		.00009	.00024	36
		.00001			.00012	.00001	(*)				.00008				.00001	.00021	37
.00008		.00059			.00005	.00059	.00001	(*)		.00006	.00001	.00080			.00006		38
	.00001				.00082										.00011		39
					.00019	.00002			.00029	.00015	.00007				.00030		40
.00175		.00025			.00427	(*)	(*)	.00064	.00092	.00010	.00093			.00067	.00030		41
.00117	.00007	.00019	.00010	.00427	.00092	.00118	.00118	.00092		.00034	.00064	.00259	.00036	.00067	.00093	.00033	42
.00171		.00536				.00004	.00014	.00001			.00003				.00041		43
					.00015				.00035						.00024		44+45
		.00008			.00077	.00002									.00043		46
.00002	.00003	.00046	.00019	.00016	.00034	.00009	.00001			.00001	.00002	.00013	.00003	.00004	.00167		47
					.00011	.00008					.00045	.00002	.00002		.00116		48
.00204		.00037	.00003	.00016	.00008	.00004	.00005	.00002			.00040				.00125		49
.00008	.00017	.00114	.00009	.00089	.00121	.00048	.00004	(*)		.00001	.00013	.00099	.00016	.00030	.00129	.00020	50
.00155	.00112	.00004	.00163		.00045	.00016	.00058	.00081		.00007	.00012	.00487	.05705	.00200	.00140	.00218	51
.00001		.00001	.00001	.00042	.00031	.00025	(*)	(*)	(*)	.00010	.00353	.00001	.00002		.00042	.00007	52
.00167	.00099	.00110			.00017	.00007	.00004	.00002		.00001	.00022	.00062	.00105	.00002	.00255	.00003	53
					.00001	(*)			.00009	.00013	.00744				.00001		54
.00032		.00076	.00001	.00099	.00031	.00044	.00005	.00009		.00007	.00027	.00024	.00001	.00005	.00036	.00010	55
.01665	.00140				.00025	.00006	.00003	.00002	.00001	.00007	.00013	.00004	.00003		.00019	.00007	56
.01357	.00708				.00537	.00037	.00016	(*)	(*)		.01107	.03799	.00008		.00725	.00010	57
.00128	.00031	.00063	.00034	.00151	.00067	.00062	.00081	.00114		.00013	.00027	.00064	.00286	.00162	.00119	.00054	58
																	59A
.00015	.00010	.00008	.00011	.06120	.00181	.00375	.00016	.00023		.00011	.00057	.00082	.00016	.00036	.00145	.00077	59B
																	60
					(*)		.00001			(*)					.00082		61
.00012	.00010	.00061	.00023	.03665	.00009	.00009	(*)	.00023		.00006	.00025	.00080	.00058	.00007	.00050	.00003	62
.00040	.00136	.00005	.00009	.00031	.00109	.00036	.00149	.00140		.00025	.00047	.01042	.00057	.00234	.00349	.00124	63
.00071	.00017	.00019	.00011	.00021	.00094	.00091	.00155	.00076		.00028	.00143	.01441	.00046	.00122	.00185	.00111	64
.00075	.00061	.02740	.00043	.00224	.00091	.00082	.00079	.00119	.00001	.00067	.00107	.00777	.00070	.00071	.00160	.00064	65A
.00119	.00157	.00341	.00049	.00584	.00385	.00276	.01032	.00384	.00005	.00101	.00532	.00524	.00145	.00289	.00474	.00147	65B
.00005		.00433	.00077	.00089	.00025	.00014	.00008	.00003		.00002	.00025	.00033	.00009	.00014	.00035	.00010	65C
.00323	.00249	.00228	.00295	.00344	.00467	.00285	.00332	.00439		.00232	.00374	.00308	.00423	.00329	.00531	.00244	65D
.00006	.00003	.00020	.00502	.00047	.00052	.00009	.00006	.00007		.00005	.01341	.00011	.00009	.00008	.00013	.00010	65E
.13344	.01580	.00171	.00069	.02210	.01525	.00954	.01247	.01807		.00687	.01320	.01242	.02061	.01178	.01314	.01045	66
.00039	.02064														.00496		67
.00389	.00647	.00014	.00208	.00422	.00841	.02278	.00474	.00163		.01198	.03627	.01398	.00353	.00338	.00403	.00409	68A
.00034	.00017	.02757	.18986	.02706	.00204	.00165	.00115	.00018		.00172	.00602	.00439	.00025	.00051	.00085	.00023	68B
.00110	.00150	.00114	.00026	.07460	.00165	.00321	.00252	.00051		.00631	.01362	.00509	.00036	.00048	.00082	.00010	68C
.00864	.00324	.00699	.00631	.03185	.02539	.00453	.00436	.00287	.00041	.00153	.00738	.01758	.02344	.00481	.01126	.00891	69A
.00033	.00027	.00022	.00033	.00886	.00262	.00366	.00032	.00051	.00042	.00049	.00193	.00086	.00024	.00025	.00204	.00060	69B
.01066	.00845	.01689	.00866	.00777	.01122	.01677	.14408	.04624	.01868	.00928	.05121	.00958	.00861	.01057	.00897	.00589	70A
.00162	.00565	.00209	.00126	.01199	.00161	.00303	.00304	.27896	.00661	.00298	.00176	.00233	.00080	.00113	.00189	.00117	70B
																	71A
.01605	.02306	.01130	.00389	.00401	.02876	.07147	.03225	.03993	.03590	.06542	.07317	.05602	.03183	.05303	.02883	.04554	71B
.00303	.00259	.00235	.00141	.00245	.00344	.00304	.00289	.00468		.00256	.00364	.00263	.00278	.00532	.00475	.00238	72A
.00694	.00334	.00056	.00028	.00417	.00218	.00320	.00105	.00076		.00353	.00681	.04881	.00148	.00081	.00180	.00104	72B
.01367	.01444	.01022	.00263	.00308	.01359	.00656	.03062	.00970		.00114	.00664	.00592	.08013	.02399	.01545	.00834	73A
.02960	.01485	.01160	.02464	.03493	.01208	.01012	.02704	.03350	.00524	.01707	.00859	.03358	.01561	.07542	.01901	.03740	73B
.01926	.02647	.01049	.00518	.01142	.04281	.03528	.03939	.03829	.00359	.02600	.07126	.02751	.03142	.08233	.05323	.08217	73C
.01579	.02830	.00077	.00024	.00005	.02535	.05070	.01784	.01181		.00909	.01758	.02470	.00937	.00360	.00828	.00606	73D
.00358	.00307	.00281	.00158	.00313	.00395	.00425	.00339	.00555		.00300	.00550	.00356	.00367	.00318	.00630	.00281	74
.00549	.00439	.00131	.00180	.00386	.00842	.00610	.00246	.01478		.00655	.00641	.00604	.00560	.00456	.00679	.01071	75
.01354	.37883	.00030	.00029	.00026	.00115	.00084	.00052	.00062		.00031	.00055	.00047	.00040	.00070	.00132	.02056	76
															.00001		77A
.00150	.00535	.00312	.00052	.00063	.00199	.00097	.00208	.00146		.00087	.00185	.00355	.00648	.00305	.00333	.00224	77B
.00316	.00116	.00269	.00113	.00162	.00577	.00587	.00034	.00771		.00283	.00505	.00556	.00609	.00942	.00617	.00532	78
.00019	.00027	.00012	.00008		.00057	.00069	.00034	.00011		.00074	.00173	.00072	.00012	.00028	.00025	.00020	79
.03068		.00015	.00062	.00010	.00721	.00015	.00748	.00313		.00134	.00024	.00474		.00197	.00371	.00157	80
					(*)		(*)	(*)		(*)					(*)		81
																	82
																	83
																	84
																	85
.42064	.59777	.35062	.75984	.54113	.29708	.31165	.39903	.55049	.12776	.25063	.43742	.41162	.38352	.33300	.27518	.35614	I
.57936	.40223	.64938	.24016	.45887	.70291	.68834	.60097	.44949	.87224	.74936	.56258	.58838	.61648	.66700	.72481	.64386	VA
1.00000	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	T

Table 3.1.—Commodity-by-Industry Direct Requirements, 1992—Continued

[Direct requirements per dollar of industry output, at producers' prices]

Com-modity number	For the composition of inputs to an industry, read the column for that industry	Eating and drinking places	Auto-motive repair and services	Amuse-ments	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	General government industry	Household industry	Inventory valuation adjustment
	Industry number	74	75	76	77A	77B	78	79	82	84	85
1	Livestock and livestock products	0.00114		0.00032	0.00010	0.00028					
2	Other agricultural products	.00657	.00001	.00121	.00036	.00054	.00010				
3	Forestry and fishery products	.00622		.00005	.00007		.00010				
4	Agricultural, forestry, and fishery services	.00066	.00038	.00223	.00132	.00157	.00003	.00326			
5+6	Metallic ores mining										
7	Coal mining	.00002	.00001	.00001	.00001	.00001	.01204	.01372			
8	Crude petroleum and natural gas							.00679			
9+10	Nonmetallic minerals mining					.00001		.00055			
11	New construction										
12	Maintenance and repair construction	.00758	.00387	.00878	.00511	.04063	.01512	.21798			
13	Ordnance and accessories			.00008							
14	Food and kindred products	.21922		.00570	.00763	.01098	.00294				
15	Tobacco products										
16	Broad and narrow fabrics, yarn and thread mills			.00066	.00006	.00015	.00013	.00011			
17	Miscellaneous textile goods and floor coverings	.00014	.00040	.00008	.00009	.00004	.00007	.00012			
18	Apparel	.00003	.00031	.00088	.00109	.00035	.00002	.00037			
19	Miscellaneous fabricated textile products	.00056	.00090	.00044	.00122	.00035	.00179	.00002			
20+21	Lumber and wood products	.00009	.00008	.00064	.00024	.00085					
22+23	Furniture and fixtures		.00120	.00002	.00001	.00001		.00172			
24	Paper and allied products, except containers	.00320	.00137	.00180	.00416	.00579	.00126	.00048			
25	Paperboard containers and boxes	.00357	.00065	.00078	.00138	.00122	.00190				
26A	Newspapers and periodicals	.00010	.00030	.00052	.00069	.00412	.00007	.00006			
26B	Other printing and publishing	.00207	.00077	.00224	.00542	.04096	.01209	.00162			
27A	Industrial and other chemicals	.00107	.00158	.00096	.01445	.00092	.00171	.01303			
27B	Agricultural fertilizers and chemicals			.00110	.00006	.00021		.00152			
28	Plastics and synthetic materials				.00032						
29A	Drugs			.00007	.01341	.00028		.00003			
29B	Cleaning and toilet preparations	.00019	.00087	.00026	.00116	.00073	.00062	.00042			
30	Paints and allied products	.00002	.00246	.00030	.00001	.00025					
31	Petroleum refining and related products	.00257	.01418	.00290	.00178	.00423	.01204	.03892			
32	Rubber and miscellaneous plastics products	.00785	.02077	.00116	.01163	.00313	.00028	.00137			
33+34	Footwear, leather, and leather products	.00001	.00001	.00058	.00008	.00066	.00030				
35	Glass and glass products	.00149	.00567	.00004	.00164	.00130	.00005	.00053			
36	Stone and clay products	.00139	.00035	.00002	.00035	.00001		.00564			
37	Primary iron and steel manufacturing			.00001	(*)	.00009					
38	Primary nonferrous metals manufacturing	.00002	.00004	.00012	.00002	.00001	.00071				
39	Metal containers										
40	Heating, plumbing, and fabricated structural metal products			.00002		.00001		.00002			
41	Screw machine products and stampings	.00020	.01060	.00016	.00059	.00033	.00046	.00002			
42	Other fabricated metal products	.00037	.01211	.00073	.00076	.00109	.00013	.00025			
43	Engines and turbines	.00001	.00475		(*)	.00002	.00162	.00122			
44+45	Farm, construction, and mining machinery			.00003				.00172			
46	Materials handling machinery and equipment						.00008				
47	Metalworking machinery and equipment	(*)	.00023	.00006	.00002	.00007	.00007	.00013			
48	Special industry machinery and equipment	.00053	.00025		.00001	.00001					
49	General industrial machinery and equipment	.00058	.00018		.00001		.00013	.00015			
50	Miscellaneous machinery, except electrical	.00013	.00220	.00022	.00021	.00041	.00156	.00943			
51	Computer and office equipment	.00004	.00004	.00017	.00141	.00032	.00005				
52	Service industry machinery	.00016	.00667	.00083	.00018	.00018	.00025	.00416			
53	Electrical industrial equipment and apparatus	.00002	.00297	.00002	.00018	.00010		.00476			
54	Household appliances	.00002			.00002	.00007		.00011			
55	Electric lighting and wiring equipment	.00028	.00356	.00071	.00041	.00045	.00046	.00134			
56	Audio, video, and communication equipment	.00006	.00012	.00007	.00002	.00028		.00046			
57	Electronic components and accessories		.00197	.00002	.00035	.00080		.00045			
58	Miscellaneous electrical machinery and supplies	.00016	.00515	.00521	.00052	.00086	.00030	.00165			
59A	Motor vehicles (passenger cars and trucks)		.00078								
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00125	.11335	.00077	.00049	.00113	.01207	.00301			
60	Aircraft and parts		.00001								
61	Other transportation equipment			.00032		.00002	.00016	.00167			
62	Scientific and controlling instruments	.00002	.00069	.00011	.01698	.00100	.00002	.00014			
63	Ophthalmic and photographic equipment	.00007	.00030	.00047	.00232	.00198	.00018	.00014			
64	Miscellaneous manufacturing	.00132	.00036	.00252	.00072	.00400	.00054	.00055			
65A	Railroads and related services; passenger ground transportation	.00175	.00194	.00065	.00131	.00088	.01173	.00504			
65B	Motor freight transportation and warehousing	.00784	.00634	.00200	.00316	.00345	.01586	.00458			
65C	Water transportation	.00027	.00045	.00024	.00018	.00014	.00246	.00291			
65D	Air transportation	.00319	.00439	.00260	.00305	.00332	.02541	.00108			
65E	Pipelines, freight forwarders, and related services	.00006	.00184	.00005	.00008	.00011	.00010	.00032			
66	Communications, except radio and TV	.00388	.00912	.00767	.00884	.00927	.00323	.00504			
67	Radio and TV broadcasting										
68A	Electric services (utilities)	.02225	.00962	.01481	.00732	.00911	.00505	.04198			
68B	Gas production and distribution (utilities)	.00355	.00237	.00133	.00159	.00227	.00328	.02873			
68C	Water and sanitary services	.00567	.00281	.00258	.00281	.00292	.00543	.01213			
69A	Wholesale trade	.04654	.04133	.01470	.01506	.01301	.00677	.00784			
69B	Retail trade	.00140	.00764	.00093	.00075	.00143	.00018	.00020			
70A	Finance	.00953	.01594	.00878	.00658	.01167	.00668	.01187			
70B	Insurance	.00138	.00447	.00148	.00290	.00229	.00167	.00213			
71A	Owner-occupied dwellings										
71B	Real estate and royalties	.04910	.05127	.06280	.06067	.11214	.01178	.02323			
72A	Hotels and lodging places	.00289	.00345	.00252	.00302	.00314	.00033	.00026			
72B	Personal and repair services (except auto)	.00317	.01149	.00260	.00230	.00216	.00021	.00119			
73A	Computer and data processing services	.00267	.00416	.00443	.01102	.01864	.00377	.00469			
73B	Legal, engineering, accounting, and related services	.00888	.00721	.02221	.01676	.01411	.00215	.03551			
73C	Other business and professional services, except medical	.02095	.02086	.03348	.04362	.04912	.01488	.01809			
73D	Advertising	.02177	.01648	.03896	.00447	.02512	.00008	.00220			
74	Eating and drinking places	.01515	.00400	.00363	.00780	.00721	.00121	.00137			
75	Automotive repair and services	.00425	.01304	.00664	.00605	.00583	.00348	.00530			
76	Amusements	.00876	.00051	.16209	.00041	.00399		.00002			
77A	Health services			.00027	.02119						
77B	Educational and social services, and membership organizations	.00158	.00073	.00156	.00261	.00533	.00034	.00070			
78	Federal Government enterprises	.00171	.00363	.00414	.00954	.00953	.00079	.00289			
79	State and local government enterprises	.00069	.00120	.00034	.00034	.00042	.00038	.01081			
80	Noncomparable imports	.00046	.00009	.00183	.00004	.00009	.02070				
81	Scrap, used and secondhand goods	(*)	.00366	−.00128							
82	General government industry										
83	Rest of the world adjustment to final uses										
84	Household industry										
85	Inventory valuation adjustment										
I	Total intermediate inputs	.52032	.47254	.45046	.34255	.44948	.23107	.56803			
VA	Value added	.47967	.52746	.54954	.65745	.55052	.76893	.43197	1.00000	1.00000	1.00000
T	**Total** [1]	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**

* Less than .000005.
1. Detail may not add to 1 because of rounding.

Table 3.2.—Input Components by Industry: Direct Requirements, 1992 Benchmark
[Direct requirements per dollar of total industry output, at producers' prices]

Industry number		Value added			Total intermediate inputs	Total [1]	Industry number
		Total	Compensation of employees	Indirect business tax and nontax liability	Other value added		
1	Livestock and livestock products	0.17052	0.04951	0.01416	0.10685	0.82948	1.00000	1
2	Other agricultural products	.53318	.07266	.03128	.42924	.46682	1.00000	2
3	Forestry and fishery products	.49995	.17175	.05337	.27484	.50005	1.00000	3
4	Agricultural, forestry, and fishery services	.60111	.50296	.02014	.07801	.39889	1.00000	4
5+6	Metallic ores mining	.40283	.25314	.05042	.09927	.59717	1.00000	5+6
7	Coal mining	.58714	.31081	.09024	.18609	.41286	1.00000	7
8	Crude petroleum and natural gas	.46800	.13407	.04488	.28905	.53200	1.00000	8
9+10	Nonmetallic minerals mining	.60035	.32890	.04217	.22928	.39965	1.00000	9+10
11	New construction	.44375	.34960	.00621	.08794	.55625	1.00000	11
12	Maintenance and repair construction	.49398	.37362	.00319	.11717	.50602	1.00000	12
13	Ordnance and accessories	.57962	.39484	.01211	.17267	.42038	1.00000	13
14	Food and kindred products	.30608	.13718	.02508	.14382	.69392	1.00000	14
15	Tobacco products	.64094	.08374	.13800	.41919	.35906	1.00000	15
16	Broad and narrow fabrics, yarn and thread mills	.34863	.25032	.00598	.09233	.65137	1.00000	16
17	Miscellaneous textile goods and floor coverings	.32816	.20432	.00688	.11695	.67184	1.00000	17
18	Apparel	.33730	.27610	.00356	.05764	.66270	1.00000	18
19	Miscellaneous fabricated textile products	.38720	.27059	.00451	.11210	.61281	1.00000	19
20+21	Lumber and wood products	.36675	.21297	.00553	.14825	.63325	1.00000	20+21
22+23	Furniture and fixtures	.45285	.30253	.00517	.14515	.54715	1.00000	22+23
24	Paper and allied products, except containers	.40005	.20445	.00869	.18690	.59995	1.00000	24
25	Paperboard containers and boxes	.32250	.24992	.00877	.06381	.67750	1.00000	25
26A	Newspapers and periodicals	.59983	.33669	.00563	.25752	.40017	1.00000	26A
26B	Other printing and publishing	.52016	.30979	.00553	.20484	.47984	1.00000	26B
27A	Industrial and other chemicals	.36665	.19987	.01581	.15097	.63335	1.00000	27A
27B	Agricultural fertilizers and chemicals	.34698	.13970	.00892	.19836	.65302	1.00000	27B
28	Plastics and synthetic materials	.30783	.19234	.00826	.10722	.69217	1.00000	28
29A	Drugs	.50989	.19212	.01093	.30684	.49011	1.00000	29A
29B	Cleaning and toilet preparations	.46202	.14750	.00861	.30592	.53798	1.00000	29B
30	Paints and allied products	.40647	.20285	.00852	.19510	.59353	1.00000	30
31	Petroleum refining and related products	.13401	.06050	.02882	.04469	.86599	1.00000	31
32	Rubber and miscellaneous plastics products	.43821	.27953	.00835	.15033	.56179	1.00000	32
33+34	Footwear, leather, and leather products	.37489	.25267	.00694	.11529	.62511	1.00000	33+34
35	Glass and glass products	.53017	.31170	.00898	.20949	.46983	1.00000	35
36	Stone and clay products	.45588	.29053	.00960	.15574	.54412	1.00000	36
37	Primary iron and steel manufacturing	.35802	.27323	.01131	.07348	.64198	1.00000	37
38	Primary nonferrous metals manufacturing	.25610	.17987	.01140	.06482	.74390	1.00000	38
39	Metal containers	.19150	.15446	.00712	.02993	.80850	1.00000	39
40	Heating, plumbing, and fabricated structural metal products	.41838	.30632	.00723	.10483	.58162	1.00000	40
41	Screw machine products and stampings	.43466	.37141	.00715	.05610	.56534	1.00000	41
42	Other fabricated metal products	.47317	.32329	.00711	.14277	.52683	1.00000	42
43	Engines and turbines	.38899	.26731	.00780	.11388	.61101	1.00000	43
44+45	Farm, construction, and mining machinery	.40892	.27358	.00809	.12725	.59108	1.00000	44+45
46	Materials handling machinery and equipment	.43155	.32826	.00773	.09556	.56845	1.00000	46
47	Metalworking machinery and equipment	.56152	.45992	.00789	.09371	.43848	1.00000	47
48	Special industry machinery and equipment	.47679	.36642	.00796	.10242	.52321	1.00000	48
49	General industrial machinery and equipment	.48541	.36077	.00788	.11676	.51459	1.00000	49
50	Miscellaneous machinery, except electrical	.56480	.47453	.00778	.08249	.43520	1.00000	50
51	Computer and office equipment	.28146	.20895	.00795	.06456	.71854	1.00000	51
52	Service industry machinery	.41455	.28286	.00798	.12372	.58545	1.00000	52
53	Electrical industrial equipment and apparatus	.48319	.33076	.00737	.14506	.51681	1.00000	53
54	Household appliances	.35243	.21075	.00781	.13387	.64757	1.00000	54
55	Electric lighting and wiring equipment	.47224	.29868	.00748	.16608	.52776	1.00000	55
56	Audio, video, and communication equipment	.47213	.27704	.00736	.18773	.52787	1.00000	56
57	Electronic components and accessories	.48520	.33266	.00741	.14512	.51480	1.00000	57
58	Miscellaneous electrical machinery and supplies	.41917	.29529	.00754	.11634	.58083	1.00000	58
59A	Motor vehicles (passenger cars and trucks)	.15894	.11261	.00637	.03996	.84106	1.00000	59A
59B	Truck and bus bodies, trailers, and motor vehicles parts	.31502	.27857	.00546	.03098	.68498	1.00000	59B
60	Aircraft and parts	.42751	.34470	.00659	.07623	.57249	1.00000	60
61	Other transportation equipment	.47897	.35337	.00607	.11953	.52103	1.00000	61
62	Scientific and controlling instruments	.57093	.37522	.00605	.18966	.42907	1.00000	62
63	Ophthalmic and photographic equipment	.59339	.20447	.00605	.38287	.40661	1.00000	63
64	Miscellaneous manufacturing	.43452	.29723	.00825	.12903	.56548	1.00000	64
65A	Railroads and related services; passenger ground transportation	.61682	.42074	.01804	.17803	.38318	1.00000	65A
65B	Motor freight transportation and warehousing	.49937	.33263	.01566	.15108	.50063	1.00000	65B
65C	Water transportation	.39445	.22010	.01797	.15638	.60555	1.00000	65C
65D	Air transportation	.44790	.34800	.06051	.03940	.55210	1.00000	65D
65E	Pipelines, freight forwarders, and related services	.58377	.31860	.02954	.23563	.41623	1.00000	65E
66	Communications, except radio and TV	.57936	.21125	.06065	.30747	.42064	1.00000	66
67	Radio and TV broadcasting	.40223	.28608	.01843	.09772	.59777	1.00000	67
68A	Electric services (utilities)	.64938	.13023	.07346	.44569	.35062	1.00000	68A
68B	Gas production and distribution (utilities)	.24016	.06266	.04647	.13104	.75984	1.00000	68B
68C	Water and sanitary services	.45887	.22610	.09556	.13721	.54113	1.00000	68C
69A	Wholesale trade	.70291	.40665	.17842	.11784	.29708	1.00000	69A
69B	Retail trade	.68834	.41412	.14010	.13411	.31165	1.00000	69B
70A	Finance	.60097	.34949	.03925	.21223	.39903	1.00000	70A
70B	Insurance	.44949	.39773	.06023	−.00848	.55049	1.00000	70B
71A	Owner-occupied dwellings	.87224	....	.15970	.71254	.12776	1.00000	71A
71B	Real estate and royalties	.74936	.08790	.14493	.51654	.25063	1.00000	71B
72A	Hotels and lodging places	.56258	.35512	.08761	.11985	.43742	1.00000	72A
72B	Personal and repair services (except auto)	.58838	.33107	.02283	.23448	.41162	1.00000	72B
73A	Computer and data processing services	.61648	.42702	.01615	.17331	.38352	1.00000	73A
73B	Legal, engineering, accounting, and related services	.66700	.46509	.00670	.19521	.33300	1.00000	73B
73C	Other business and professional services, except medical	.72481	.42605	.01638	.28239	.27518	1.00000	73C
73D	Advertising	.64386	.39424	.01179	.23784	.35614	1.00000	73D
74	Eating and drinking places	.47967	.33930	.05930	.08107	.52032	1.00000	74
75	Automotive repair and services	.52746	.28234	.04847	.19665	.47254	1.00000	75
76	Amusements	.54954	.32466	.04130	.18358	.45046	1.00000	76
77A	Health services	.65745	.51475	.00608	.13662	.34255	1.00000	77A
77B	Educational and social services, and membership organizations	.55052	.50856	.00229	.03967	.44948	1.00000	77B
78	Federal Government enterprises	.76893	.78461	....	−.01568	.23107	1.00000	78
79	State and local government enterprises	.43197	.29738	....	.13458	.56803	1.00000	79
82	General government industry	1.00000	.85586	....	.14414	....	1.00000	82
84	Household industry	1.00000	1.00000	....	....	....	1.00000	84
85	Inventory valuation adjustment	1.00000	....	....	1.00000	....	1.00000	85

1. Detail may not add to 1 because of rounding.

Table 4.—Commodity-by-Commodity
[Total requirements, direct and indirect, per dollar

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Non-metallic minerals mining	New construction	Maintenance and repair construction	Ordnance and accessories
	Commodity number	1	2	3	4	5+6	7	8	9+10	11	12	13
1	Livestock and livestock products	1.20722	.00324	.02212	.03306	.00077	.00058	.00048	.00056	.00077	.00080	.00062
2	Other agricultural products	.33041	1.04011	.03492	.12683	.00168	.00111	.00090	.00091	.00422	.00465	.00104
3	Forestry and fishery products	.00296	.00120	1.02374	.00197	.00121	.00074	.00053	.00053	.00668	.00822	.00082
4	Agricultural, forestry, and fishery services	.08015	.07790	.18378	1.02006	.00289	.00145	.00178	.00118	.00510	.00610	.00172
5+6	Metallic ores mining	.00097	.00086	.00059	.00074	1.24342	.00146	.00124	.00196	.00300	.00261	.00370
7	Coal mining	.00440	.00237	.00117	.00160	.01400	1.13119	.00333	.01117	.00305	.00261	.00300
8	Crude petroleum and natural gas	.02986	.03761	.03230	.02231	.04589	.02942	1.27159	.05151	.02032	.02522	.01148
9+10	Nonmetallic minerals mining	.00404	.00889	.00223	.00619	.00334	.00148	.00122	1.04025	.01239	.01312	.00098
11	New construction									1.00037		
12	Maintenance and repair construction	.03693	.02881	.04135	.02166	.04339	.01544	.04970	.02242	.01221	1.01187	.01631
13	Ordnance and accessories	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00001	.00002	.00002	1.01284
14	Food and kindred products	.25384	.00414	.04449	.01738	.00313	.00224	.00198	.00241	.00249	.00247	.00254
15	Tobacco products	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills	.00268	.00499	.00240	.00281	.00069	.00507	.00028	.00062	.00213	.00198	.00187
17	Miscellaneous textile goods and floor coverings	.00341	.00282	.00677	.00371	.00056	.00045	.00030	.00048	.00362	.00393	.00077
18	Apparel	.00032	.00025	.00022	.00027	.00018	.00034	.00011	.00016	.00026	.00026	.00088
19	Miscellaneous fabricated textile products	.00107	.00206	.00163	.00339	.00024	.00019	.00017	.00018	.00089	.00106	.00033
20+21	Lumber and wood products	.00908	.01085	.00564	.00445	.01153	.00656	.00532	.00362	.07719	.09569	.00654
22+23	Furniture and fixtures	.00004	.00004	.00004	.00004	.00004	.00003	.00003	.00003	.00314	.00019	.00030
24	Paper and allied products, except containers	.01745	.01083	.00792	.00802	.00520	.00354	.00279	.00505	.01214	.00996	.00633
25	Paperboard containers and boxes	.01008	.00958	.00525	.00777	.00250	.00166	.00088	.00186	.00397	.00369	.00433
26A	Newspapers and periodicals	.00045	.00030	.00025	.00040	.00024	.00023	.00018	.00155	.00032	.00029	.00034
26B	Other printing and publishing	.00568	.00352	.00378	.00368	.00315	.00257	.00231	.00294	.00436	.00398	.00294
27A	Industrial and other chemicals	.01950	.02234	.01081	.02007	.08512	.01986	.02157	.03189	.02165	.02018	.02272
27B	Agricultural fertilizers and chemicals	.03958	.09872	.02456	.09862	.00146	.00063	.00057	.00061	.00142	.00158	.00142
28	Plastics and synthetic materials	.00624	.00487	.00429	.00376	.00532	.00478	.00146	.00475	.01018	.01018	.01118
29A	Drugs	.00569	.00021	.00038	.00047	.00010	.00004	.00003	.00005	.00005	.00004	.00005
29B	Cleaning and toilet preparations	.00202	.00097	.00191	.00093	.00066	.00041	.00036	.00083	.00110	.00122	.00043
30	Paints and allied products	.00092	.00068	.00075	.00080	.00131	.00066	.00078	.00081	.01042	.01062	.00117
31	Petroleum refining and related products	.03386	.03972	.04337	.01991	.04458	.03792	.01376	.05191	.02299	.03155	.00945
32	Rubber and miscellaneous plastics products	.01966	.01240	.00790	.00777	.01921	.01681	.00380	.01978	.02646	.02771	.02442
33+34	Footwear, leather, and leather products	.00063	.00010	.00033	.00017	.00006	.00004	.00006	.00004	.00012	.00012	.00006
35	Glass and glass products	.00370	.00078	.00115	.00121	.00091	.00069	.00044	.00140	.00464	.00274	.00160
36	Stone and clay products	.00264	.00337	.00205	.00180	.01088	.00650	.00505	.00792	.06001	.03390	.00426
37	Primary iron and steel manufacturing	.00795	.00591	.00526	.00413	.05731	.01998	.02230	.02809	.03558	.02945	.03455
38	Primary nonferrous metals manufacturing	.00734	.00385	.00398	.00330	.00896	.00733	.00382	.00708	.02881	.02597	.04539
39	Metal containers	.00697	.00092	.00166	.00121	.00076	.00031	.00026	.00042	.00073	.00073	.00035
40	Heating, plumbing, and fabricated structural metal products	.00269	.00226	.00249	.00141	.01417	.00627	.00311	.00811	.05544	.04552	.00236
41	Screw machine products and stampings	.00204	.00104	.00106	.00095	.00411	.00783	.00088	.00330	.00480	.00418	.01118
42	Other fabricated metal products	.00721	.00578	.00441	.00527	.00623	.00678	.00828	.00538	.02894	.02417	.01951
43	Engines and turbines	.00100	.00080	.00177	.00047	.00657	.00707	.00086	.00606	.00084	.00075	.00165
44+45	Farm, construction, and mining machinery	.00629	.00764	.00521	.00249	.03887	.03885	.00396	.04034	.00297	.00283	.00041
46	Materials handling machinery and equipment	.00024	.00026	.00013	.00019	.00805	.00685	.00073	.01509	.00333	.00048	.00015
47	Metalworking machinery and equipment	.00135	.00102	.00070	.00056	.00248	.00152	.00085	.00154	.00285	.00229	.00460
48	Special industry machinery and equipment	.00055	.00042	.00035	.00042	.00068	.00029	.00022	.00037	.00054	.00054	.00333
49	General industrial machinery and equipment	.00211	.00183	.00161	.00098	.00828	.01309	.00249	.01126	.01034	.00527	.01543
50	Miscellaneous machinery, except electrical	.00315	.00304	.00191	.00194	.00693	.00860	.00331	.00515	.00416	.00309	.01165
51	Computer and office equipment	.00112	.00081	.00083	.00079	.00117	.00076	.00078	.00111	.00143	.00122	.00407
52	Service industry machinery	.00073	.00056	.00087	.00057	.00076	.00052	.00077	.00063	.01241	.01202	.00036
53	Electrical industrial equipment and apparatus	.00176	.00131	.00134	.00090	.00473	.00493	.00202	.00617	.00986	.00798	.00909
54	Household appliances	.00015	.00013	.00014	.00010	.00016	.00007	.00017	.00008	.00229	.00273	.00008
55	Electric lighting and wiring equipment	.00167	.00123	.00139	.00135	.00111	.00118	.00112	.00073	.01948	.01773	.00160
56	Audio, video, and communication equipment	.00042	.00031	.00031	.00029	.00036	.00021	.00032	.00028	.00466	.00326	.01234
57	Electronic components and accessories	.00332	.00259	.00222	.00221	.00272	.00200	.00149	.00257	.00537	.00464	.07289
58	Miscellaneous electrical machinery and supplies	.00493	.00556	.00241	.00249	.00141	.00115	.00062	.00190	.00307	.00280	.00095
59A	Motor vehicles (passenger cars and trucks)	.00004	.00003	.00004	.00003	.00004	.00004	.00002	.00004	.00004	.00005	.00002
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00447	.00388	.00522	.00462	.00449	.00355	.00174	.00576	.00437	.00475	.00181
60	Aircraft and parts	.00023	.00019	.00031	.00054	.00039	.00035	.00021	.00031	.00027	.00025	.09209
61	Other transportation equipment	.00056	.00025	.00049	.00021	.00063	.00087	.00021	.00027	.00041	.00043	.00021
62	Scientific and controlling instruments	.00082	.00046	.00165	.00067	.00082	.00034	.00039	.00040	.00424	.00351	.03487
63	Ophthalmic and photographic equipment	.00072	.00050	.00052	.00077	.00056	.00054	.00055	.00045	.00093	.00081	.00077
64	Miscellaneous manufacturing	.00126	.00099	.00090	.00074	.00089	.00061	.00059	.00092	.00445	.00428	.00048
65A	Railroads and related services; passenger ground transportation	.02287	.00712	.00465	.00672	.01385	.03642	.00446	.00921	.00719	.00701	.00479
65B	Motor freight transportation and warehousing	.05148	.02760	.01483	.02547	.03257	.02325	.00940	.03161	.03690	.03488	.01939
65C	Water transportation	.00448	.00367	.01664	.00218	.00440	.00798	.00446	.00317	.00323	.00328	.00106
65D	Air transportation	.00561	.00446	.00742	.01446	.00766	.00665	.00530	.00588	.00561	.00534	.00842
65E	Pipelines, freight forwarders, and related services	.00503	.00317	.00353	.00314	.00395	.00348	.00191	.00385	.00280	.00296	.00197
66	Communications, except radio and TV	.01291	.00891	.00730	.00935	.00974	.00655	.00779	.00879	.01258	.01252	.00917
67	Radio and TV broadcasting	.00009	.00005	.00005	.00006	.00005	.00004	.00004	.00005	.00007	.00006	.00007
68A	Electric services (utilities)	.03736	.01822	.00844	.01143	.10358	.03209	.02699	.05772	.01595	.01493	.01958
68B	Gas production and distribution (utilities)	.01200	.01466	.00832	.00838	.02576	.01002	.04649	.03558	.00948	.00914	.00794
68C	Water and sanitary services	.00676	.00842	.00334	.00317	.00324	.00211	.00373	.00301	.00405	.00410	.00326
69A	Wholesale trade	.12473	.08357	.04815	.06489	.06621	.05650	.02424	.06185	.07792	.07459	.05904
69B	Retail trade	.00337	.00224	.00435	.00208	.00465	.00299	.00427	.00515	.04214	.04703	.00157
70A	Finance	.02231	.01531	.01812	.01612	.02204	.01669	.01603	.01936	.01954	.01810	.01663
70B	Insurance	.01117	.00758	.01020	.00659	.00698	.00452	.00415	.00693	.01128	.00813	.00402
71A	Owner-occupied dwellings											
71B	Real estate and royalties	.11111	.11664	.03288	.04190	.03599	.04221	.23114	.03483	.03246	.03141	.02500
72A	Hotels and lodging places	.00383	.00266	.00460	.00346	.00641	.00527	.00499	.00500	.00432	.00407	.00556
72B	Personal and repair services (except auto)	.00305	.00270	.00234	.00420	.00241	.00160	.00178	.00186	.00271	.00269	.00259
73A	Computer and data processing services	.00885	.00607	.00653	.00610	.01053	.00658	.00589	.01032	.00963	.00856	.01506
73B	Legal, engineering, accounting, and related services	.01719	.01425	.03326	.02516	.03371	.02715	.03661	.02225	.08607	.05053	.01666
73C	Other business and professional services, except medical	.03654	.03096	.03421	.02951	.03760	.02458	.02329	.02647	.05858	.05843	.03494
73D	Advertising	.01667	.00850	.00842	.01110	.00813	.00653	.00721	.00957	.01187	.01151	.01323
74	Eating and drinking places	.00456	.00312	.00566	.00459	.00841	.00654	.00603	.00700	.00540	.00516	.00747
75	Automotive repair and services	.01388	.01165	.01193	.01853	.01212	.00650	.00570	.00776	.01422	.01525	.00722
76	Amusements	.00322	.00207	.00314	.01053	.00166	.00155	.00163	.00163	.00216	.00212	.00214
77A	Health services	.01915	.00008	.00064	.00082	.00003	.00002	.00001	.00002	.00003	.00003	.00002
77B	Educational and social services, and membership organizations	.00257	.00177	.00335	.00173	.00359	.00328	.00186	.00183	.00187	.00174	.00218
78	Federal Government enterprises	.00333	.00230	.00265	.00295	.00366	.00192	.00220	.00260	.00435	.00413	.00220
79	State and local government enterprises	.00130	.00107	.00072	.00116	.00112	.00065	.00053	.00067	.00103	.00093	.00126
80	Noncomparable imports	.00472	.00384	.00422	.00385	.01417	.00454	.01469	.00505	.00430	.00402	.00429
81	Scrap, used and secondhand goods	.00087	.00057	.00052	.00053	.00237	.00107	.00095	.00134	.00288	.00250	.00348
82	General government industry											
83	Rest of the world adjustment to final uses											
84	Household industry											
85	Inventory valuation adjustment											
	Total commodity output multiplier	**2.77758**	**1.90133**	**1.87759**	**1.82156**	**2.22386**	**1.78527**	**1.95880**	**1.81358**	**2.08087**	**1.99545**	**1.83885**

* Less than .000005.

Total Requirements, 1992

of delivery to final demand, at producers' prices]

Food and kindred products	Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	Newspapers and periodicals	Other printing and publishing	Industrial and other chemicals	Agricultural fertilizers and chemicals	Plastics and synthetic materials	Drugs	Cleaning and toilet preparations	Paints and allied products	Commodity number
14	15	16	17	18	19	20+21	22+23	24	25	26A	26B	27A	27B	28	29A	29B	30	
0.25270	0.00073	0.01560	0.00752	0.00577	0.00753	0.00327	0.00219	0.00300	0.00174	0.00076	0.00098	0.00200	0.00492	0.00209	0.00222	0.00471	0.00342	1
.16571	.08804	.08964	.02338	.02755	.03240	.00508	.00634	.00390	.00243	.00103	.00148	.01105	.00518	.01129	.00485	.00481	.00579	2
.01038	.00049	.00079	.00106	.00424	.00110	.11879	.01031	.01008	.00470	.00130	.00207	.00121	.00147	.00130	.00115	.00137	.00128	3
.02652	.00707	.00841	.00333	.00391	.00390	.02235	.00354	.00333	.00213	.00138	.00147	.00236	.00207	.00235	.00171	.00180	.00182	4
.00171	.00031	.00212	.00270	.00102	.00133	.00117	.00395	.00174	.00197	.00049	.00088	.01450	.00469	.00678	.00098	.00289	.00701	5+6
.00420	.00184	.00703	.00633	.00439	.00448	.00328	.00467	.00994	.00710	.00204	.00317	.00781	.00681	.00753	.00240	.00328	.00441	7
.02394	.00831	.03534	.03967	.02060	.02438	.02272	.01899	.03517	.03084	.01033	.01550	.13384	.10802	.07680	.01341	.03470	.05253	8
.00251	.00107	.00289	.00299	.00127	.00165	.00166	.00153	.00587	.00316	.00098	.00149	.01348	.05956	.00628	.00113	.00310	.00563	9+10
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	11
.02473	.00955	.02553	.02997	.02045	.02117	.02035	.01833	.03171	.02588	.01630	.01882	.03370	.03112	.03345	.01757	.01979	.02268	12
.00001	.00001	.00001	.00001	.00002	.00001	.00001	.00001	.00001	.00001	.00002	.00001	.00002	.00002	.00001	.00001	.00002	.00001	13
1.24042	.00234	.00716	.00672	.00564	.00820	.00817	.00565	.01321	.00764	.00327	.00419	.00882	.02286	.00706	.00864	.01698	.01595	14
(*)	1.09094	(*)	(*)	(*)	(*)	(*)	(*)	.00001	(*)	(*)	(*)	.00001	(*)	(*)	(*)	(*)	(*)	15
.00193	.00088	1.28056	.22102	.35746	.36981	.00182	.06561	.00530	.00267	.00094	.00272	.00097	.00081	.00623	.00096	.00200	.00138	16
.00180	.00068	.00268	1.03191	.00398	.05949	.00416	.02860	.00911	.00412	.00121	.00237	.00067	.00064	.00140	.00085	.00191	.00051	17
.00030	.00013	.00403	.00152	1.24775	.03080	.00041	.00059	.00037	.00032	.00016	.00022	.00026	.00026	.00037	.00022	.00030	.00025	18
.00083	.00035	.00061	.00065	.04142	1.03081	.00080	.00032	.00029	.00018	.00021	.00031	.00030	.00031	.00025	.00036	.00026		19
.00897	.00397	.00518	.00723	.00434	.00689	1.43019	.11624	.11469	.05202	.01378	.02065	.00650	.00576	.00729	.00459	.00681	.00453	20+21
.00004	.00002	.00003	.00004	.00004	.00004	.00128	1.00991	.00014	.00008	.00005	.00005	.00004	.00004	.00004	.00003	.00003	.00003	22+23
.04061	.02101	.01184	.01863	.01090	.01155	.00898	.01855	1.18299	.12216	.19258	.13660	.01366	.01517	.02847	.02091	.03797	.01138	24
.02863	.01435	.00590	.00773	.00534	.00615	.00665	.01963	.01873	1.01187	.00364	.00979	.00869	.00885	.00953	.01489	.04226	.00483	25
.00051	.00065	.00028	.00040	.00033	.00030	.00051	.00039	.00042	.00101	1.02359	.00042	.00042	.00048	.00042	.00074	.00070	.00037	26A
.01032	.01518	.00388	.00475	.00528	.00483	.00438	.00475	.00703	.00578	.11427	1.13077	.00494	.01181	.00503	.01552	.01248	.00582	26B
.02617	.01084	.13155	.16450	.05027	.07576	.02256	.03309	.09835	.07542	.02509	.04346	1.29342	.17426	.42883	.04985	.15431	.32377	27A
.01809	.00862	.01123	.00584	.00386	.00470	.00738	.00188	.00260	.00168	.00063	.00093	.01312	1.12603	.01124	.00135	.00260	.00459	27B
.00959	.01129	.21993	.29666	.08265	.11464	.01287	.03528	.04456	.02763	.00589	.01184	.01810	.00767	1.06261	.00752	.01790	.13812	28
.00552	.00005	.00023	.00023	.00012	.00018	.00009	.00008	.00017	.00012	.00005	.00007	.00110	.00195	.00045	1.14999	.00325	.00035	29A
.00256	.00235	.00358	.00719	.00678	.00265	.00093	.00178	.00624	.00303	.00090	.00134	.00669	.00628	.00703	.00179	1.05384	.00233	29B
.00144	.00033	.00120	.00148	.00074	.00085	.00319	.01050	.00146	.00447	.00047	.00072	.00669	.00173	.00323	.00069	.00195	1.02066	30
.02241	.00823	.02022	.02084	.01391	.01531	.02490	.01656	.02278	.02553	.00862	.01158	.03944	.03243	.02686	.00838	.02425	.03029	31
.03357	.01096	.02229	.03172	.01833	.03192	.02130	.05747	.05049	.03062	.00932	.02493	.02380	.02203	.05321	.03112	.07392	.01589	32
.00020	.00005	.00022	.00016	.00728	.02739	.00029	.00149	.00010	.00008	.00010	.00013	.00008	.00008	.00009	.00007	.00011	.00006	33+34
.01425	.00038	.01118	.00362	.00368	.00483	.00578	.00638	.00163	.00118	.00052	.00078	.00221	.00229	.00187	.00595	.00734	.00157	35
.00226	.00087	.00204	.00237	.00144	.00160	.00803	.00647	.00372	.00268	.00109	.00147	.00410	.00445	.00310	.00145	.00199	.01658	36
.01275	.00210	.00513	.00702	.00403	.00465	.01255	.06269	.00783	.01688	.00261	.00457	.01534	.01021	.00954	.00390	.00900	.01586	37
.01873	.00161	.00375	.00496	.00391	.00349	.00817	.02632	.00699	.01049	.00237	.00468	.01000	.00754	.00633	.00347	.00982	.02313	38
.03185	.00027	.00141	.00168	.00075	.00095	.00068	.00094	.00124	.00115	.00033	.00052	.00829	.00780	.00400	.00245	.01339	.04101	39
.00171	.00067	.00158	.00194	.00129	.00136	.00981	.00211	.00257	.00195	.00103	.00131	.00233	.00224	.00208	.00112	.00132	.00149	40
.00311	.00048	.00093	.00119	.00082	.00093	.00768	.01411	.00193	.00220	.00068	.00101	.00149	.00145	.00132	.00195	.00231	.00136	41
.00869	.00291	.00376	.00471	.00287	.00334	.02019	.05553	.00987	.01446	.00275	.00389	.01178	.00774	.00752	.00323	.00710	.00613	42
.00072	.00023	.00071	.00073	.00050	.00055	.00079	.00065	.00081	.00075	.00033	.00050	.00103	.00113	.00088	.00032	.00050	.00073	43
.00237	.00078	.00131	.00088	.00063	.00069	.00097	.00062	.00096	.00069	.00025	.00036	.00232	.00320	.00130	.00033	.00062	.00101	44+45
.00022	.00008	.00024	.00024	.00019	.00019	.00067	.00028	.00033	.00027	.00011	.00014	.00062	.00111	.00037	.00015	.00022	.00031	46
.00133	.00061	.00131	.00137	.00088	.00123	.00238	.00304	.00166	.00211	.00055	.00097	.00153	.00100	.00158	.00062	.00115	.00126	47
.00114	.00044	.00333	.01389	.00489	.00433	.00105	.00161	.00465	.00705	.00153	.00563	.00696	.00168	.00398	.00080	.00187	.00213	48
.00218	.00047	.00116	.00157	.00101	.00105	.00401	.00427	.00196	.00175	.00061	.00091	.00204	.00252	.00199	.00139	.00116	.00155	49
.00304	.00105	.00472	.00492	.00292	.00389	.00473	.00560	.00524	.00553	.00162	.00288	.00666	.00347	.00563	.00188	.00353	.00342	50
.00117	.00085	.00125	.00142	.00121	.00110	.00111	.00113	.00135	.00132	.00193	.00167	.00154	.00159	.00164	.00130	.00125	.00123	51
.00071	.00042	.00062	.00071	.00052	.00052	.00185	.00068	.00090	.00070	.00042	.00048	.00118	.00078	.00093	.00045	.00073	.00064	52
.00179	.00101	.00142	.00196	.00125	.00120	.00186	.00249	.00197	.00194	.00087	.00126	.00287	.00211	.00213	.00106	.00192	.00180	53
.00012	.00005	.00016	.00016	.00011	.00012	.00294	.00031	.00036	.00022	.00009	.00012	.00014	.00014	.00015	.00008	.00009	.00010	54
.00121	.00082	.00085	.00086	.00064	.00066	.00296	.00097	.00132	.00094	.00054	.00064	.00098	.00099	.00102	.00075	.00115	.00076	55
.00036	.00022	.00032	.00038	.00033	.00031	.00032	.00033	.00036	.00037	.00036	.00037	.00039	.00039	.00042	.00034	.00036	.00034	56
.00308	.00173	.00287	.00315	.00322	.00266	.00303	.00309	.00322	.00323	.00305	.00316	.00336	.00333	.00342	.00316	.00291	.00305	57
.00210	.00087	.00109	.00089	.00088	.00074	.00121	.00071	.00087	.00084	.00093	.00074	.00090	.00097	.00089	.00060	.00068	.00073	58
.00003	.00001	.00003	.00003	.00002	.00002	.00015	.00004	.00005	.00004	.00002	.00002	.00003	.00004	.00004	.00002	.00002	.00003	59A
.00386	.00147	.00286	.00309	.00236	.00232	.00747	.00306	.00384	.00385	.00243	.00260	.00327	.00409	.00332	.00196	.00230	.00297	59B
.00033	.00020	.00033	.00036	.00038	.00038	.00034	.00034	.00034	.00041	.00027	.00031	.00040	.00033	.00038	.00027	.00031	.00032	60
.00046	.00011	.00034	.00043	.00025	.00030	.00047	.00029	.00052	.00053	.00020	.00026	.00054	.00067	.00056	.00018	.00033	.00068	61
.00055	.00031	.00053	.00070	.00039	.00044	.00069	.00081	.00104	.00087	.00081	.00158	.00163	.00121	.00109	.00079	.00070	.00101	62
.00083	.00079	.00079	.00086	.00085	.00072	.00081	.00083	.00093	.00085	.00372	.00949	.00105	.00098	.00099	.00176	.00112	.00111	63
.00092	.00064	.00077	.00086	.01466	.00237	.00132	.00097	.00079	.00074	.00106	.00152	.00078	.00079	.00081	.00124	.00089	.00071	64
.01657	.00328	.01264	.01538	.00693	.00817	.01438	.01007	.02004	.02291	.00704	.01009	.01820	.02364	.01936	.00556	.01160	.02722	65A
.04430	.01327	.03343	.04337	.02776	.03378	.05076	.03540	.05589	.07443	.02173	.03469	.04534	.08705	.04694	.01480	.03216	.05308	65B
.00519	.00098	.00311	.00454	.00166	.00225	.00554	.00250	.00469	.00323	.00096	.00155	.00699	.00829	.00704	.00118	.00352	.00685	65C
.00842	.00513	.00827	.00896	.01007	.00984	.00839	.00812	.00841	.01027	.00700	.00784	.00827	.00801	.00897	.00685	.00771	.00774	65D
.00379	.00140	.00343	.00404	.00276	.00307	.00377	.00284	.00427	.00490	.00194	.00261	.00816	.00626	.00578	.00182	.00350	.00524	65E
.01097	.00664	.00988	.01226	.01059	.01037	.00998	.01114	.01056	.01226	.01303	.01127	.01103	.01175	.01374	.01103	.01140	.01121	66
.00022	.00048	.00007	.00011	.00013	.00009	.00028	.00011	.00009	.00008	.00021	.00011	.00010	.00014	.00010	.00039	.00040	.00013	67
.02753	.00804	.05107	.04030	.03226	.03284	.02625	.02581	.04392	.03447	.01361	.02066	.04463	.03654	.04606	.01601	.02060	.02721	68A
.01511	.00410	.02243	.02481	.01525	.01196	.01117	.01238	.02830	.01985	.00665	.01077	.04852	.04634	.03875	.00887	.01523	.02189	68B
.00577	.00190	.00626	.00770	.00393	.00525	.00478	.00443	.01020	.00719	.00269	.00398	.01252	.01108	.01190	.00426	.00559	.00933	68C
.12083	.03700	.09991	.09606	.09692	.09955	.11097	.11358	.09526	.11634	.04965	.06879	.09240	.09377	.09934	.09166	.08892	.09203	69A
.00465	.00409	.00317	.00305	.00241	.00251	.00348	.00381	.00442	.00348	.00217	.00233	.00362	.00385	.00366	.00250	.00530	.00262	69B
.02255	.01401	.02047	.02277	.02148	.02107	.02159	.02092	.02118	.02236	.01682	.01777	.02270	.02643	.02415	.01809	.02027	.02252	70A
.00778	.00394	.00581	.00600	.00555	.00555	.00684	.00563	.00599	.00627	.00449	.00487	.00611	.00667	.00611	.00416	.00499	.00561	70B
....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	71A
.05434	.02497	.03659	.03418	.03885	.04037	.03170	.03275	.02944	.03087	.05660	.04725	.05243	.04673	.04160	.02922	.03514	.03345	71B
.00609	.00473	.00641	.00727	.00724	.00683	.00683	.00637	.00660	.00724	.00544	.00584	.00667	.00695	.00722	.00577	.00635	.00691	72A
.00368	.00214	.01026	.00851	.00595	.00550	.00396	.00352	.00568	.00524	.00238	.00323	.00487	.00533	.00608	.00262	.00317	.00346	72B
.00985	.00607	.01125	.01292	.01000	.00982	.00986	.00987	.01239	.01221	.01437	.01079	.01299	.01421	.01465	.00981	.01018	.01063	73A
.01743	.01817	.02359	.02901	.01842	.02009	.01944	.02136	.01900	.01747	.02446	.01543	.04805	.03686	.05469	.04459	.03335	.03537	73B
.03905	.02310	.04004	.04147	.08208	.03765	.03860	.04114	.04050	.04218	.05521	.03821	.04415	.05083	.04619	.04972	.04239	.03365	73C
.04190	.09190	.01282	.02125	.02400	.01570	.01399	.02096	.01685	.01390	.03963	.02090	.01790	.02632	.01820	.07576	.07735	.02426	73D
.00762	.00581	.00864	.00944	.00996	.00946	.00913	.00878	.00847	.00922	.00674	.00744	.00842	.00860	.00911	.00708	.00793	.00856	74
.01379	.00707	.01347	.01469	.01049	.01073	.01483	.01072	.01659	.01707	.00889	.01170	.01406	.01755	.01599	.00779	.01016	.01212	75
.00575	.01075	.00225	.00324	.00373	.00250	.00269	.00306	.00287	.00261	.00531	.00320	.00300	.00376	.00322	.00924	.00944	.00383	76
.00406	.00002	.00026	.00014	.00011	.00013	.00010	.00005	.00007	.00006	.00002	.00003	.00005	.00011	.00005	.00005	.00009	.00008	77A
.00254	.00182	.00250	.00277	.00273	.00729	.00573	.00340	.00309	.00273	.00221	.00273	.00273	.00309	.00387	.00548	.00345	.00252	77B
.00340	.00325	.00329	.00403	.00405	.00420	.00346	.00396	.00334	.00353	.00124	.00533	.00367	.00346	.00367	.00311	.00389	.00329	78
.00191	.00110	.00158	.00267	.00376	.00371	.00301	.00279	.00287	.00217	.00247	.00260	.00164	.00265	.00201	.00090	.00109	.00109	79
.00606	.00253	.00649	.00748	.00505	.00508	.00430	.00504	.00615	.00587	.00473	.00593	.01520	.00923	.01304	.03779	.01549	.01235	80
.00181	.00035	.00058	.00291	.00048	.00063	.00104	.00378	.01019	.00517	.00122	.00199	.00121	.00123	.00095	.00052	.00118	.00182	81
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2.60115	**1.65109**	**2.43670**	**2.50449**	**2.47704**	**2.37815**	**2.31991**	**2.13969**	**2.25040**	**2.43444**	**1.79098**	**1.94046**	**2.32586**	**2.34627**	**2.44927**	**1.88335**	**2.09829**	**2.30776**	

Table 4.—Commodity-by-Commodity

[Total requirements, direct and indirect, per dollar

Com- modity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Petroleum refining and related products	Rubber and miscellaneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing	Primary nonferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products
	Commodity number	31	32	33+34	35	36	37	38	39	40	41	42
1	Livestock and livestock products	0.00086	0.00155	0.04831	0.00075	0.00089	0.00069	0.00082	0.00094	0.00073	0.00070	0.00075
2	Other agricultural products	.00141	.00478	.02880	.00141	.00166	.00106	.00154	.00148	.00109	.00102	.00125
3	Forestry and fishery products	.00070	.00899	.00218	.00233	.00121	.00087	.00147	.00103	.00086	.00076	.00105
4	Agricultural, forestry, and fishery services	.00172	.00306	.00550	.00162	.00157	.00141	.00179	.00151	.00127	.00115	.00133
5+6	Metallic ores mining	.00167	.00292	.00147	.00266	.00240	.04735	.06999	.03349	.01618	.01450	.01138
7	Coal mining	.00398	.00532	.00354	.01176	.01383	.03183	.00867	.01117	.00869	.00963	.00748
8	Crude petroleum and natural gas	.73232	.03373	.02534	.03187	.04171	.03238	.02984	.02823	.02018	.01910	.02057
9+10	Nonmetallic minerals mining	.00468	.00287	.00175	.01458	.07855	.00643	.00219	.00256	.00219	.00228	.00197
11	New construction											
12	Maintenance and repair construction	.05249	.02460	.02513	.02360	.02627	.02827	.02759	.02721	.01925	.02611	.02077
13	Ordnance and accessories	.00001	.00001	.00001	.00001	.00001	.00002	.00001	.00001	.00002	.00002	.00001
14	Food and kindred products	.00381	.00485	.14679	.00313	.00365	.00297	.00346	.00415	.00316	.00303	.00318
15	Tobacco products	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills	.00054	.01688	.05237	.00114	.00518	.00082	.00122	.00093	.00086	.00093	.00166
17	Miscellaneous textile goods and floor coverings	.00043	.01252	.02902	.00088	.00062	.00058	.00065	.00058	.00061	.00067	.00103
18	Apparel	.00020	.00050	.00248	.00022	.00025	.00031	.00033	.00035	.00027	.00028	.00040
19	Miscellaneous fabricated textile products	.00033	.00042	.00069	.00028	.00040	.00029	.00029	.00031	.00025	.00056	.00027
20+21	Lumber and wood products	.00640	.00896	.00599	.02400	.01157	.00818	.01132	.00828	.00688	.00653	.00767
22+23	Furniture and fixtures	.00004	.00005	.00004	.00006	.00005	.00005	.00005	.00005	.00006	.00027	.00007
24	Paper and allied products, except containers	.00596	.02976	.02392	.03046	.02122	.00638	.00770	.01452	.00896	.01056	.01493
25	Paperboard containers and boxes	.00274	.01709	.01074	.04832	.00611	.00252	.00425	.00650	.00730	.00809	.00867
26A	Newspapers and periodicals	.00030	.00040	.00043	.00028	.00049	.00034	.00033	.00037	.00035	.00034	.00033
26B	Other printing and publishing	.00385	.00456	.00668	.00335	.00386	.00597	.00455	.01384	.00443	.00468	.00439
27A	Industrial and other chemicals	.04043	.15585	.08138	.06782	.05011	.02977	.03824	.04169	.03154	.02280	.03569
27B	Agricultural fertilizers and chemicals	.00097	.00347	.00422	.00112	.00097	.00069	.00129	.00103	.00073	.00062	.00082
28	Plastics and synthetic materials	.00291	.20178	.03017	.00978	.01238	.00445	.02794	.01571	.00971	.00937	.01779
29A	Drugs	.00007	.00018	.00082	.00009	.00008	.00005	.00007	.00007	.00005	.00005	.00006
29B	Cleaning and toilet preparations	.00361	.00281	.00669	.00297	.00326	.00066	.00076	.00076	.00065	.00072	.00091
30	Paints and allied products	.00098	.00218	.00104	.00185	.00235	.00125	.00110	.02503	.00636	.00359	.00769
31	Petroleum refining and related products	1.10001	.01821	.01926	.03153	.03153	.02217	.02250	.02079	.01531	.01437	.01470
32	Rubber and miscellaneous plastics products	.00907	1.07541	.05393	.03220	.01797	.01110	.02374	.01590	.02117	.01485	.03763
33+34	Footwear, leather, and leather products	.00009	.00018	1.28291	.00007	.00007	.00008	.00007	.00008	.00014	.00009	.00009
35	Glass and glass products	.00322	.00733	.00295	1.09780	.00098	.00098	.00675	.00292	.00747	.00224	.00242
36	Stone and clay products	.00649	.00379	.00268	.01851	1.11446	.02432	.00685	.00881	.00825	.00924	.00792
37	Primary iron and steel manufacturing	.01638	.01528	.00717	.00873	.02105	1.23505	.03387	.24641	.24039	.27595	.17250
38	Primary nonferrous metals manufacturing	.00460	.00828	.00610	.00680	.00810	.04563	1.48559	.52351	.14372	.08997	.09885
39	Metal containers	.00163	.00153	.00448	.00070	.00070	.00049	.00071	1.09863	.00069	.00060	.00089
40	Heating, plumbing, and fabricated structural metal products	.00308	.00207	.00152	.00179	.00284	.00299	.00287	.00248	1.03893	.00262	.00344
41	Screw machine products and stampings	.00100	.00397	.00177	.00228	.00295	.00712	.00295	.00364	.01678	1.02001	.02386
42	Other fabricated metal products	.00760	.01146	.01246	.00440	.01180	.02598	.01504	.02887	.04523	.03441	1.07032
43	Engines and turbines	.00088	.00092	.00048	.00083	.00138	.00201	.00134	.00117	.00108	.00304	.00171
44+45	Farm, construction, and mining machinery	.00281	.00072	.00079	.00127	.00415	.00310	.00276	.00176	.00117	.00129	.00125
46	Materials handling machinery and equipment	.00060	.00024	.00018	.00042	.00144	.00103	.00096	.00064	.00043	.00040	.00034
47	Metalworking machinery and equipment	.00100	.00318	.00113	.00653	.00371	.01168	.01543	.00942	.01186	.02561	.00977
48	Special industry machinery and equipment	.00050	.00477	.00161	.00217	.00059	.00087	.00213	.00127	.00072	.00067	.00080
49	General industrial machinery and equipment	.00217	.00179	.00100	.00145	.00351	.02464	.01220	.00937	.00950	.00969	.00627
50	Miscellaneous machinery, except electrical	.00359	.00917	.00429	.00721	.00535	.01079	.00916	.00999	.01059	.02510	.01341
51	Computer and office equipment	.00153	.00133	.00147	.00117	.00136	.00168	.00166	.00166	.00135	.00145	.00147
52	Service industry machinery	.00090	.00067	.00060	.00067	.00075	.00071	.00066	.00066	.00108	.00084	.00058
53	Electrical industrial equipment and apparatus	.00190	.00214	.00122	.00397	.00236	.01281	.00723	.00572	.00677	.00577	.00985
54	Household appliances	.00019	.00012	.00011	.00015	.00014	.00015	.00014	.00014	.00011	.00013	.00011
55	Electric lighting and wiring equipment	.00124	.00115	.00077	.00125	.00124	.00094	.00207	.00126	.00083	.00113	.00087
56	Audio, video, and communication equipment	.00041	.00035	.00037	.00030	.00036	.00037	.00044	.00042	.00040	.00051	.00036
57	Electronic components and accessories	.00261	.00382	.00311	.00271	.00299	.00414	.00575	.00459	.00406	.00460	.00458
58	Miscellaneous electrical machinery and supplies	.00086	.00090	.00087	.00064	.00123	.00097	.00097	.00091	.00078	.00134	.00081
59A	Motor vehicles (passenger cars and trucks)	.00003	.00003	.00002	.00004	.00005	.00005	.00004	.00004	.00007	.00012	.00003
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00271	.00293	.00266	.00297	.00493	.00392	.00371	.00378	.00301	.00721	.00277
60	Aircraft and parts	.00024	.00037	.00037	.00027	.00029	.00040	.00041	.00043	.00041	.00040	.00081
61	Other transportation equipment	.00038	.00042	.00023	.00055	.00073	.00076	.00051	.00051	.00044	.00039	.00032
62	Scientific and controlling instruments	.00070	.00074	.00062	.00098	.00084	.00205	.00082	.00092	.00306	.00109	.00097
63	Ophthalmic and photographic equipment	.00076	.00088	.00073	.00066	.00071	.00085	.00081	.00109	.00085	.00086	.00078
64	Miscellaneous manufacturing	.00081	.00087	.00279	.00064	.00147	.00080	.00078	.00081	.00082	.00074	.00071
65A	Railroads and related services; passenger ground transportation	.00717	.01501	.00767	.02149	.02099	.02640	.01931	.01904	.01302	.01365	.01089
65B	Motor freight transportation and warehousing	.01658	.05587	.03451	.03329	.09983	.04961	.06367	.05999	.04151	.03947	.03553
65C	Water transportation	.00923	.00460	.00199	.00573	.01383	.00976	.00437	.00479	.00337	.00373	.00327
65D	Air transportation	.00590	.00845	.00938	.00665	.00696	.00886	.00976	.01025	.00828	.00846	.00772
65E	Pipelines, freight forwarders, and related services	.03485	.00419	.00324	.00311	.00593	.00412	.00437	.00434	.00308	.00310	.00283
66	Communications, except radio and TV	.01061	.01127	.01196	.00938	.01162	.01057	.01189	.01245	.01131	.01021	.01099
67	Radio and TV broadcasting	.00007	.00009	.00022	.00007	.00008	.00008	.00007	.00008	.00008	.00009	.00010
68A	Electric services (utilities)	.03264	.03852	.02474	.04277	.04469	.06024	.06908	.05392	.03248	.03548	.03458
68B	Gas production and distribution (utilities)	.13157	.01951	.01536	.03139	.03800	.03337	.02355	.02407	.01692	.01710	.01776
68C	Water and sanitary services	.00662	.00643	.01588	.00511	.00604	.01184	.00779	.00795	.00566	.00611	.00627
69A	Wholesale trade	.06641	.08616	.09713	.07586	.06838	.11937	.15520	.16158	.11541	.10966	.10186
69B	Retail trade	.00433	.00369	.00294	.00510	.00403	.00296	.00290	.00321	.00271	.00292	.00266
70A	Finance	.02533	.02149	.02073	.01796	.02042	.02204	.02328	.02601	.02034	.02124	.01979
70B	Insurance	.00549	.00558	.00660	.00498	.00686	.00599	.00625	.00672	.00518	.00542	.00500
71A	Owner-occupied dwellings											
71B	Real estate and royalties	.16154	.03447	.03526	.02735	.03402	.02944	.03220	.03424	.03229	.02996	.02970
72A	Hotels and lodging places	.00537	.00657	.00658	.00570	.00605	.00657	.00744	.00856	.00665	.00642	.00634
72B	Personal and repair services (except auto)	.00380	.00466	.00371	.00460	.00506	.00717	.00523	.00627	.00389	.00518	.00428
73A	Computer and data processing services	.01225	.01192	.01460	.01093	.01182	.01587	.01338	.01460	.01159	.01277	.01207
73B	Legal, engineering, accounting, and related services	.04071	.02754	.01842	.01622	.02062	.02002	.02006	.02169	.01803	.02232	.01998
73C	Other business and professional services, except medical	.03515	.03983	.03653	.03451	.04020	.04689	.04378	.04746	.04879	.04492	.04076
73D	Advertising	.01320	.01611	.04139	.01207	.01470	.01448	.01265	.01533	.01546	.01744	.01817
74	Eating and drinking places	.00728	.00858	.00969	.00770	.00806	.00860	.00978	.01105	.00904	.00875	.00859
75	Automotive repair and services	.00997	.01397	.01102	.01260	.01720	.01817	.01604	.01810	.01226	.01431	.01254
76	Amusements	.00245	.00279	.00505	.00204	.00241	.00253	.00246	.00309	.00254	.00289	.00275
77A	Health services	.00002	.00005	.00079	.00003	.00005	.00003	.00004	.00004	.00003	.00003	.00003
77B	Educational and social services, and membership organizations	.00278	.00554	.00219	.00203	.00221	.00247	.00293	.00350	.00269	.00447	.00259
78	Federal Government enterprises	.00330	.00331	.00495	.00304	.00316	.00378	.00380	.00376	.00352	.00359	.00337
79	State and local government enterprises	.00089	.00162	.00431	.00115	.00334	.00170	.00277	.00213	.00230	.00166	.00217
80	Noncomparable imports	.01404	.00823	.00500	.00592	.00775	.00685	.00861	.00698	.00631	.00560	.00549
81	Scrap, used and secondhand goods	.00086	.00131	.00088	.00697	.00135	.04088	.07592	.03421	.01671	.01336	.01133
82	General government industry											
83	Rest of the world adjustment to final uses											
84	Household industry											
85	Inventory valuation adjustment											
	Total commodity output multiplier	**2.72384**	**2.20250**	**2.41883**	**1.93118**	**2.07114**	**2.26691**	**2.57680**	**2.87582**	**2.22153**	**2.18541**	**2.10273**

* Less than .000005.

Total Requirements, 1992—Continued

of delivery to final demand, at producers' prices]

Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Electrical industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Audio, video, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Aircraft and parts	Commodity number
43	44+45	46	47	48	49	50	51	52	53	54	55	56	57	58	59A	59B	60	
.00071	.00075	.00067	.00065	.00071	.00073	.00058	.00071	.00075	.00070	.00094	.00076	.00064	.00065	.00084	.00122	.00083	.00075	1
.00098	.00110	.00093	.00097	.00098	.00112	.00081	.00098	.00116	.00106	.00177	.00130	.00096	.00108	.00148	.00269	.00133	.00121	2
.00070	.00109	.00088	.00094	.00108	.00089	.00056	.00069	.00119	.00092	.00162	.00097	.00079	.00070	.00121	.00152	.00119	.00068	3
.00143	.00141	.00120	.00119	.00130	.00141	.00124	.00138	.00131	.00153	.00169	.00133	.00122	.00170	.00186	.00161	.00148	.00165	4
.01103	.00906	.00947	.00738	.00799	.00760	.00898	.00262	.00947	.00909	.00869	.00724	.00353	.00369	.00711	.00743	.01686	.00443	5+6
.00730	.00669	.00632	.00543	.00500	.00565	.00537	.00265	.00527	.00499	.00581	.00482	.00251	.00344	.00418	.00508	.00712	.00305	7
.01564	.01614	.01606	.01465	.01398	.01498	.01316	.00960	.01533	.01770	.02126	.01750	.00891	.01158	.01629	.01900	.01863	.01070	8
.00201	.00171	.00158	.00289	.00149	.00152	.00141	.00082	.00183	.00350	.00383	.00239	.00077	.00119	.00138	.00176	.00197	.00099	9+10
																		11
.02145	.01905	.01786	.01830	.01843	.01790	.01853	.02135	.02065	.01847	.02126	.01852	.01865	.02578	.02043	.02237	.02416	.02016	12
.00002	.00001	.00001	.00002	.00001	.00002	.00001	.00001	.00002	.00001	.00002	.00001	.00006	.00002	.00006	.00002	.00002	.00074	13
.00303	.00318	.00290	.00281	.00302	.00295	.00247	.00305	.00319	.00298	.00385	.00321	.00271	.00275	.00347	.00424	.00347	.00306	14
(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	15
.00110	.00138	.00115	.00104	.00123	.00263	.00088	.00093	.00131	.00119	.00290	.00144	.00158	.00084	.00190	.01629	.00195	.00355	16
.00079	.00120	.00123	.00063	.00103	.00830	.00189	.00062	.00117	.00085	.00194	.00089	.00095	.00059	.00153	.01151	.00188	.00116	17
.00075	.00032	.00029	.00053	.00030	.00020	.00031	.00033	.00027	.00032	.00028	.00023	.00025	.00029		.00128	.00035	.00037	18
.00033	.00029	.00025	.00022	.00026	.00022	.00020	.00025	.00025	.00024	.00030	.00024	.00021	.00022	.00025	.02833	.00144	.00207	19
.00487	.00689	.00650	.00846	.00887	.00608	.00440	.00459	.00914	.00623	.00848	.00645	.00547	.00491	.00576	.00847	.00863	.00414	20+21
.00012	.00007	.00010	.00005	.00005	.00004	.00004	.00005	.00008	.00007	.00131	.00012	.01130	.00071	.00022	.01740	.00101	.00090	22+23
.00734	.00808	.00755	.00834	.01504	.01363	.00649	.01132	.01540	.01497	.03250	.02299	.01239	.01005	.02023	.01208	.01226	.00611	24
.00413	.00455	.00338	.00616	.00412	.00713	.00453	.00676	.00754	.00671	.01530	.01820	.00540	.00481	.01571	.00716	.00835	.00266	25
.00029	.00035	.00030	.00030	.00034	.00029	.00037	.00055	.00036	.00039	.00046	.00048	.00039	.00046	.00052	.00050	.00049	.00033	26A
.00418	.00465	.00453	.00368	.00421	.00417	.00360	.00541	.00443	.00434	.00623	.00491	.00415	.00426	.00484	.00611	.00610	.00389	26B
.01511	.01963	.01493	.02244	.01570	.01600	.01100	.01521	.02220	.01988	.04847	.03088	.01608	.02858	.04013	.03905	.02960	.01443	27A
.00055	.00064	.00055	.00059	.00057	.00060	.00045	.00058	.00070	.00065	.00123	.00088	.00054	.00070	.00102	.00111	.00083	.00062	27B
.00827	.01331	.00892	.01091	.00950	.01295	.00638	.00907	.01704	.01480	.05153	.03572	.01214	.01087	.03198	.02929	.01981	.01317	28
.00004	.00005	.00004	.00004	.00005	.00004	.00003	.00004	.00005	.00005	.00009	.00006	.00004	.00005	.00007	.00008	.00006	.00006	29A
.00055	.00059	.00054	.00052	.00055	.00061	.00041	.00069	.00111	.00134	.00210	.00210	.00089	.00067	.00099	.00110	.00078	.00049	29B
.00266	.00513	.00257	.00296	.00108	.00155	.00120	.00144	.00467	.00343	.00939	.00147	.00103	.00102	.00116	.01497	.00711	.00280	30
.01279	.01294	.01390	.01154	.01177	.01226	.01058	.00823	.01214	.01587	.01618	.01343	.00730	.00858	.01206	.01563	.01476	.00959	31
.02533	.05556	.03167	.01849	.03117	.03735	.01298	.02879	.04201	.03970	.10339	.04218	.03220	.02572	.08047	.08892	.04408	.03084	32
.00007	.00007	.00006	.00005	.00007	.00006	.00005	.00006	.00006	.00006	.00008	.00006	.00007	.00006	.00007	.00088	.00013	.00013	33+34
.00125	.00190	.00127	.00121	.00198	.00117	.00120	.00394	.00189	.00173	.00456	.02879	.00401	.01267	.00292	.01406	.00321	.00186	35
.01201	.00722	.00738	.01429	.00753	.00839	.00811	.00299	.01149	.03706	.01178	.01561	.00248	.00365	.00424	.00703	.00941	.00544	36
.19691	.17550	.17423	.11787	.10641	.12386	.11203	.01802	.10376	.08298	.10884	.06680	.02152	.02385	.04393	.08021	.14723	.02978	37
.07225	.04073	.06165	.05327	.08361	.06070	.10275	.03551	.11472	.09340	.08693	.09178	.03769	.05222	.09724	.05827	.13966	.05749	38
.00043	.00058	.00044	.00044	.00039	.00038	.00029	.00041	.00060	.00050	.00099	.00053	.00034	.00042	.00058	.00115	.00074	.00041	39
.01814	.05110	.02027	.01374	.01773	.01503	.00632	.01087	.01199	.00755	.00292	.00192	.00836	.00705	.00652	.00879	.02525	.00364	40
.04392	.02095	.03530	.01201	.01419	.01450	.01316	.01504	.03885	.02284	.03465	.03126	.01564	.01482	.01567	.10313	.05037	.01492	41
.04659	.02964	.03490	.01964	.03824	.02215	.02453	.02066	.02849	.01689	.02695	.02864	.02179	.04599	.03039	.03733	.02725	.02782	42
1.07101	.05656	.01036	.00184	.00480	.00692	.00233	.00066	.00278	.01184	.00139	.00111	.00044	.00054	.00092	.01664	.00419	.00058	43
.00096	1.03886	.00125	.00082	.00070	.00099	.00088	.00035	.00076	.00079	.00084	.00085	.00035	.00045	.00061	.00073	.00111	.00043	44+45
.00034	.00073	1.01799	.00029	.00045	.00056	.00026	.00022	.00031	.00032	.00033	.00027	.00017	.00019	.00026	.00039	.00048	.00017	46
.01196	.01009	.00967	1.04766	.01368	.00924	.01991	.00263	.00962	.00574	.00591	.00617	.00282	.00387	.00507	.00733	.00833	.01564	47
.00051	.00063	.00103	.00076	1.03368	.00080	.00051	.00081	.00073	.00064	.00120	.00086	.00075	.00171	.00116	.00113	.00083	.00067	48
.02501	.03702	.06638	.01509	.03234	1.08509	.01834	.00188	.02513	.00896	.00866	.00337	.00190	.00182	.00668	.00996	.02503	.00585	49
.05428	.03871	.03945	.03576	.04753	.04056	1.06827	.03050	.03050	.01370	.00838	.00884	.00590	.00832	.01059	.02504	.04965	.02166	50
.00197	.00150	.00136	.00122	.00256	.00155	.00120	1.21389	.00177	.00282	.00254	.00188	.01404	.03214	.01426	.00285	.00270	.00598	51
.00065	.00055	.00055	.00047	.00071	.00067	.00050	.00049	1.08006	.00302	.02305	.00058	.00059	.00056	.00058	.01805	.00503	.00043	52
.04771	.01489	.03830	.02604	.04548	.04475	.00760	.02467	.06528	1.07555	.05408	.03198	.00552	.00432	.01613	.00569	.00618	.00502	53
.00011	.00010	.00009	.00009	.00009	.00009	.00012	.00006	.00011	.00009	1.00133	.00009	.00009	.00011	.00010	.00012	.00013	.00009	54
.00093	.00103	.00078	.00096	.00082	.00079	.00031	.00276	.00846	.00319	.01563	1.03196	.00843	.00322	.00412	.00746	.00213	.01128	55
.00078	.00040	.00041	.00035	.00043	.00037	.00031	.00267	.00053	.00053	.00144	.00052	1.03294	.00289	.00252	.01276	.00099	.01128	56
.01006	.00515	.00570	.00474	.00898	.00756	.00751	.31667	.00820	.03758	.02835	.01824	.29652	1.23149	.11953	.04194	.04199	.04374	57
.01299	.00752	.00500	.00236	.00171	.00153	.00149	.00098	.00090	.00152	.00093	.00109	.00621	.00074	1.12684	.02367	.02043	.00118	58
.00008	.00006	.00018	.00004	.00003	.00003	.00028	.00002	.00004	.00003	.00003	.00003	.00002	.00002	.00004	1.00641	.00394	.00003	59A
.01080	.00811	.00310	.00274	.00223	.00261	.00246	.00212	.00321	.00266	.00264	.00242	.00207	.00239	.00482	.30387	1.10492	.00203	59B
.01452	.00116	.00052	.00053	.00049	.00053	.00079	.00047	.00055	.00052	.00068	.00038	.00084	.00041	.00092	.00093	.00079	1.32193	60
.00044	.00037	.00028	.00025	.00024	.00023	.00026	.00017	.00026	.00047	.00031	.00025	.00015	.00019	.00031	.00035	.00040	.00017	61
.00247	.00086	.00087	.00108	.00074	.00126	.00065	.00134	.01876	.00272	.03960	.00157	.00385	.00297	.00355	.00730	.00153	.06765	62
.00081	.00080	.00080	.00076	.00083	.00080	.00087	.00184	.00085	.00087	.00089	.00090	.00089	.00094	.00121	.00112	.00107	.00091	63
.00062	.00089	.00089	.00112	.00067	.00063	.00061	.00055	.00068	.00116	.00072	.00132	.00448	.00059	.00060	.00071	.00103	.00072	64
.00886	.00924	.00829	.00736	.00723	.00714	.00738	.00478	.00845	.00891	.01074	.00891	.00470	.00621	.00805	.01199	.01201	.00512	65A
.04026	.03855	.03122	.02830	.02811	.02674	.02542	.01400	.03102	.02833	.03730	.03012	.01500	.01693	.03208	.04643	.04156	.01852	65B
.00251	.00291	.00221	.00217	.00195	.00197	.00197	.00111	.00223	.00285	.00282	.00213	.00107	.00145	.00207	.00269	.00302	.00131	65C
.01155	.00989	.00915	.00733	.00944	.00866	.00800	.01165	.00893	.00857	.00904	.00766	.00862	.00882	.00894	.01469	.01159	.01396	65D
.00316	.00298	.00262	.00229	.00245	.00237	.00221	.00211	.00263	.00259	.00307	.00251	.00179	.00198	.00267	.00398	.00341	.00250	65E
.01059	.01137	.01192	.01095	.01253	.01200	.00924	.01406	.01139	.01179	.01276	.01092	.01184	.01145	.01113	.01253	.01134	.00974	66
.00008	.00010	.00010	.00008	.00010	.00010	.00009	.00009	.00013	.00011	.00012	.00020	.00016	.00010	.00012	.00011	.00014	.00008	67
.02867	.02693	.02478	.02619	.02455	.02721	.02717	.02009	.02658	.02682	.02963	.02745	.01815	.02581	.02823	.02712	.03363	.01978	68A
.01324	.01341	.01282	.01182	.01103	.01237	.01151	.00675	.01220	.01284	.01491	.01343	.00634	.00842	.01150	.01287	.01448	.00728	68B
.00577	.00485	.00435	.00422	.00389	.00436	.00375	.00316	.00672	.00420	.00497	.00464	.00275	.00353	.00595	.00673	.00801	.00413	68C
.11066	.12456	.13427	.08347	.11323	.10472	.07528	.16481	.12158	.11325	.12499	.11564	.10045	.09909	.12717	.16334	.13530	.07089	69A
.00238	.00234	.00205	.00191	.00205	.00209	.00187	.00236	.00281	.00259	.00402	.00364	.00229	.00239	.00299	.00347	.00299	.00190	69B
.02064	.02066	.01923	.01740	.01837	.01868	.01736	.02238	.02091	.02072	.02221	.01941	.01915	.01958	.02152	.02899	.02366	.02255	70A
.00511	.00531	.00517	.00449	.00443	.00466	.00426	.00485	.00512	.00458	.00551	.00473	.00426	.00454	.00498	.00690	.00588	.00458	70B
																		71A
.02709	.02651	.02862	.02833	.03070	.02640	.03059	.03804	.02646	.02806	.02848	.03142	.02888	.03088	.02978	.03547	.02943	.02399	71B
.00679	.00673	.00613	.00573	.00618	.00611	.00566	.00713	.00659	.00612	.00703	.00618	.00607	.00612	.00642	.00844	.00736	.00679	72A
.00431	.00389	.00334	.00310	.00305	.00370	.00304	.00293	.00353	.00345	.00362	.00314	.00276	.00387	.00390	.00525	.00535	.00377	72B
.01477	.01286	.01044	.00981	.00994	.01108	.00885	.01999	.01270	.01027	.01095	.01151	.01335	.01373	.01138	.01290	.01322	.01878	73A
.01648	.02061	.02151	.01899	.02186	.01943	.01826	.02765	.01968	.01681	.01992	.01868	.02264	.02875	.01864	.02831	.02269	.02417	73B
.04018	.03944	.03811	.03454	.03610	.03778	.03917	.04227	.03662	.03797	.03969	.03665	.03656	.04231	.04444	.04535	.04405	.04132	73C
.01401	.01889	.01788	.01536	.01802	.01918	.01664	.02491	.01987	.02158	.03824	.03019	.01777	.02203	.02068	.02546	.03295	.01406	73D
.00910	.00906	.00853	.00832	.00874	.00859	.00755	.00878	.00889	.00840	.00959	.00873	.00781	.00786	.00906	.01090	.00963	.00873	74
.01223	.01176	.01023	.00996	.00946	.01054	.00916	.00900	.01073	.01007	.01149	.01033	.00811	.00996	.01155	.07718	.01641	.00978	75
.00257	.00309	.00271	.00234	.00283	.00283	.00264	.00393	.00318	.00314	.00500	.00396	.00290	.00340	.00311	.00415	.00477	.00261	76
.00003	.00003	.00002	.00002	.00002	.00002	.00002	.00002	.00003	.00002	.00003	.00003	.00002	.00002	.00003	.00004	.00003	.00002	77A
.00262	.00243	.00213	.00221	.00205	.00219	.00198	.00324	.00322	.00235	.00423	.00234	.00296	.00322	.00299	.00592	.00410	.00430	77B
.00342	.00390	.00363	.00294	.00376	.00332	.00258	.00335	.00297	.00336	.00515	.00334	.00363	.00300	.00336	.00526	.00490	.00353	78
.00223	.00206	.00385	.00293	.00236	.00296	.00345	.00161	.00199	.00177	.00221	.00247	.00103	.00123	.00229	.00177	.00176	.00109	79
.00667	.00786	.00780	.00472	.00806	.00747	.00537	.07012	.00599	.01170	.00815	.01445	.01370	.01389	.01985	.01127	.01125	.00581	80
.01001	.00781	.00875	.00694	.00778	.00752	.00891	.00253	.00924	.00751	.00813	.00724	.00282	.00362	.00977	.00609	.01224	.00396	81
																		82
																		83
																		84
																		85
2.25005	**2.19950**	**2.13883**	**1.89323**	**2.03962**	**2.03486**	**1.88283**	**2.36546**	**2.20423**	**2.04742**	**2.33419**	**2.06758**	**2.01753**	**2.02070**	**2.16429**	**2.79748**	**2.44968**	**2.14838**	

Table 4.—Commodity-by-Commodity

[Total requirements, direct and indirect, per dollar

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Other transportation equipment	Scientific and controlling instruments	Ophthalmic and photographic equipment	Miscellaneous manufacturing	Railroads and related services; passenger ground transportation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services	Communications, except radio and TV	Radio and TV broadcasting
	Commodity number	61	62	63	64	65A	65B	65C	65D	65E	66	67
1	Livestock and livestock products	0.00077	0.00083	0.00071	0.00187	0.00058	0.00061	0.00120	0.00207	0.00052	0.00051	0.00175
2	Other agricultural products	.00128	.00140	.00125	.00428	.00099	.00076	.00143	.00180	.00072	.00077	.00266
3	Forestry and fishery products	.00232	.00075	.00103	.00291	.00097	.00055	.00067	.00061	.00089	.00061	.00049
4	Agricultural, forestry, and fishery services	.00168	.00135	.00115	.00181	.00111	.00082	.00119	.00102	.00080	.00101	.00242
5+6	Metallic ores mining	.00626	.00298	.00159	.00633	.00143	.00063	.00084	.00052	.00037	.00049	.00031
7	Coal mining	.00487	.00302	.00329	.00381	.00262	.00191	.00215	.00156	.00216	.00113	.00202
8	Crude petroleum and natural gas	.01469	.00925	.01362	.01973	.07502	.04792	.02511	.07945	.01219	.00514	.00671
9+10	Nonmetallic minerals mining	.00137	.00090	.00121	.00176	.00171	.00069	.00079	.00087	.00055	.00081	.00054
11	New construction	....	....	....	....	....	....	....	....	....	....	....
12	Maintenance and repair construction	.01646	.01665	.01655	.01917	.08236	.01988	.02675	.02230	.02928	.05161	.02399
13	Ordnance and accessories	.0001	.00024	.0001	.0001	.00002	.00002	.00004	.00005	.00015	.00001	.00006
14	Food and kindred products	.00301	.00327	.00304	.00689	.00248	.00268	.00534	.00979	.00217	.00212	.00610
15	Tobacco products	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills	.00369	.00609	.00121	.02061	.00099	.00068	.00290	.00057	.00138	.00061	.00097
17	Miscellaneous textile goods and floor coverings	.00468	.00589	.00109	.00213	.00069	.00052	.00225	.00029	.00051	.00039	.00033
18	Apparel	.00041	.00052	.00021	.00629	.00065	.00023	.00293	.00028	.00022	.00079	.00066
19	Miscellaneous fabricated textile products	.00522	.00026	.00019	.00175	.00042	.00044	.00398	.00056	.00294	.00024	.00041
20+21	Lumber and wood products	.02359	.00504	.00784	.02355	.00949	.00376	.00489	.00409	.00923	.00597	.00396
22+23	Furniture and fixtures	.00174	.00068	.00006	.00066	.00009	.00011	.00007	.00006	.00005	.00026	.00007
24	Paper and allied products, except containers	.00697	.01359	.05588	.03087	.00586	.00548	.00809	.00592	.00823	.00668	.00893
25	Paperboard containers and boxes	.00358	.00727	.01388	.02223	.00185	.00230	.00170	.00167	.00292	.00158	.00171
26A	Newspapers and periodicals	.00030	.00043	.00079	.00072	.00050	.00058	.00185	.00058	.00086	.00076	.00096
26B	Other printing and publishing	.00383	.00469	.00418	.01000	.00879	.00659	.00816	.00702	.01256	.00854	.00750
27A	Industrial and other chemicals	.01861	.01716	.04643	.04683	.01183	.00919	.00902	.00801	.00497	.00457	.00555
27B	Agricultural fertilizers and chemicals	.00072	.00062	.00090	.00147	.00044	.00038	.00057	.00049	.00028	.00031	.00133
28	Plastics and synthetic materials	.01628	.01495	.02294	.04574	.00406	.00471	.00418	.00191	.00267	.00234	.00180
29A	Drugs	.00004	.00039	.00019	.00012	.00003	.00004	.00004	.00006	.00002	.00005	.00009
29B	Cleaning and toilet preparations	.00058	.00085	.00143	.00196	.00085	.00058	.00051	.00067	.00034	.00052	.00050
30	Paints and allied products	.00718	.00108	.00070	.00678	.00133	.00104	.00160	.00051	.00050	.00101	.00056
31	Petroleum refining and related products	.01284	.00763	.00921	.01584	.10816	.06808	.03296	.11648	.01022	.00548	.00690
32	Rubber and miscellaneous plastics products	.03550	.03040	.03590	.04981	.01414	.02061	.00950	.00561	.00856	.00713	.00453
33+34	Footwear, leather, and leather products	.00020	.00010	.00005	.00134	.00009	.00009	.00019	.00010	.00020	.00012	.00043
35	Glass and glass products	.00838	.00587	.00897	.00235	.00203	.00109	.00105	.00088	.00089	.00082	.00061
36	Stone and clay products	.00621	.00362	.00223	.00661	.00443	.00161	.00238	.00186	.00153	.00214	.00121
37	Primary iron and steel manufacturing	.10169	.02641	.01071	.03597	.02065	.00589	.01030	.00463	.00370	.00480	.00256
38	Primary nonferrous metals manufacturing	.04599	.03375	.01400	.08798	.00877	.00448	.00703	.00406	.00320	.00480	.00290
39	Metal containers	.00061	.00060	.00053	.00098	.00037	.00030	.00035	.00049	.00015	.00016	.00026
40	Heating, plumbing, and fabricated structural metal products	.02596	.00921	.00179	.00418	.00498	.00144	.00261	.00134	.00169	.00279	.00138
41	Screw machine products and stampings	.01677	.01566	.01067	.00584	.00264	.00202	.00182	.00153	.00101	.00338	.00094
42	Other fabricated metal products	.02923	.02395	.00814	.01810	.01006	.00679	.01131	.00403	.00431	.00480	.00251
43	Engines and turbines	.04973	.00054	.00044	.00073	.00745	.00154	.00941	.00045	.00168	.00235	.00035
44+45	Farm, construction, and mining machinery	.00205	.00037	.00035	.00062	.00068	.00036	.00051	.00050	.00024	.00024	.00027
46	Materials handling machinery and equipment	.00029	.00015	.00016	.00026	.00018	.00016	.00014	.00012	.00008	.00007	.00008
47	Metalworking machinery and equipment	.00551	.00363	.00248	.00480	.00246	.00072	.00620	.00117	.00046	.00056	.00046
48	Special industry machinery and equipment	.00056	.00073	.00084	.00111	.00031	.00031	.00041	.00025	.00028	.00024	.00028
49	General industrial machinery and equipment	.02868	.00238	.00121	.00308	.00857	.00149	.01530	.00124	.00458	.00317	.00056
50	Miscellaneous machinery, except electrical	.01692	.00777	.00638	.01158	.00500	.00247	.00669	.00346	.00242	.00126	.00119
51	Computer and office equipment	.00146	.01892	.00383	.00243	.00208	.00146	.00222	.00366	.00717	.00488	.00399
52	Service industry machinery	.00414	.00041	.00043	.00058	.00164	.00097	.00092	.00061	.00064	.00080	.00089
53	Electrical industrial equipment and apparatus	.03618	.01279	.00729	.00539	.01508	.00512	.00336	.00124	.00232	.00331	.00203
54	Household appliances	.00595	.00008	.00008	.00013	.00036	.00009	.00029	.00011	.00013	.00022	.00012
55	Electric lighting and wiring equipment	.00442	.00375	.00093	.00119	.00214	.00109	.00117	.00066	.00072	.00162	.00098
56	Audio, video, and communication equipment	.00126	.00894	.00047	.00057	.00059	.00061	.00042	.00094	.00108	.02028	.00218
57	Electronic components and accessories	.00753	.12076	.04993	.01974	.00480	.00369	.00409	.00739	.00833	.02843	.01382
58	Miscellaneous electrical machinery and supplies	.00624	.00129	.00067	.00099	.00298	.00267	.00220	.00140	.00321	.00227	.00341
59A	Motor vehicles (passenger cars and trucks)	.02253	.00002	.00002	.00003	.00048	.00011	.00057	.00002	.00002	.00002	.00002
59B	Truck and bus bodies, trailers, and motor vehicles parts	.03345	.00172	.00187	.00254	.01533	.01526	.00232	.00168	.00275	.00184	.00236
60	Aircraft and parts	.00126	.00822	.00031	.00043	.00037	.00032	.00037	.03869	.00037	.00027	.00025
61	Other transportation equipment	1.02679	.00016	.00022	.00040	.01895	.00026	.02549	.00020	.00018	.00011	.00028
62	Scientific and controlling instruments	.00445	1.03053	.00624	.00062	.00067	.00067	.00053	.00242	.00038	.00061	.00054
63	Ophthalmic and photographic equipment	.00067	.00130	1.05298	.00118	.00081	.00109	.00128	.00096	.00165	.00115	.00250
64	Miscellaneous manufacturing	.00074	.00066	.00054	1.08010	.00107	.00091	.00353	.00105	.00161	.00160	.00210
65A	Railroads and related services; passenger ground transportation	.00805	.00476	.00744	.00872	1.04392	.00556	.00307	.00365	.00299	.00245	.00283
65B	Motor freight transportation and warehousing	.03280	.01567	.01995	.03291	.01790	1.21282	.01251	.01009	.01162	.00694	.00811
65C	Water transportation	.00194	.00116	.00177	.00238	.00371	.00287	1.14350	.00365	.00215	.00054	.00063
65D	Air transportation	.00945	.00763	.00683	.00814	.00694	.00773	.00617	1.06903	.00908	.00605	.00624
65E	Pipelines, freight forwarders, and related services	.00264	.00173	.00200	.00278	.01314	.04006	.05017	.09170	1.02170	.00115	.00129
66	Communications, except radio and TV	.00957	.01178	.01134	.01248	.01440	.02505	.01029	.02489	.03846	1.15802	.02831
67	Radio and TV broadcasting	.00009	.00013	.00012	.00028	.00007	.00007	.00026	.00014	.00018	.00058	1.02136
68A	Electric services (utilities)	.02233	.01856	.01653	.02491	.02016	.01641	.01456	.01335	.01961	.00929	.01848
68B	Gas production and distribution (utilities)	.01072	.00642	.00925	.01263	.01759	.01186	.00863	.01646	.00390	.00288	.00403
68C	Water and sanitary services	.00476	.00288	.00342	.00424	.00429	.01773	.00372	.00364	.00239	.00256	.00434
69A	Wholesale trade	.09986	.07466	.08836	.13056	.05677	.05496	.03688	.03582	.02301	.02495	.02281
69B	Retail trade	.00210	.00207	.00245	.00341	.00771	.00747	.00249	.00223	.00262	.00320	.00236
70A	Finance	.01868	.01771	.01829	.02077	.03012	.02388	.05065	.03147	.03531	.02019	.02176
70B	Insurance	.00504	.00407	.00412	.00566	.00894	.01584	.00485	.00515	.00870	.00407	.01068
71A	Owner-occupied dwellings	....	....	....	....	....	....	....	....	....	....	....
71B	Real estate and royalties	.03349	.02735	.02206	.03672	.04143	.05319	.05652	.04984	.04132	.03392	.07162
72A	Hotels and lodging places	.00612	.00560	.00534	.00632	.00467	.00671	.00405	.00562	.00507	.00508	.00557
72B	Personal and repair services (except auto)	.00295	.00249	.00232	.00333	.00307	.00295	.00229	.00484	.00355	.00938	.00616
73A	Computer and data processing services	.01152	.01184	.00970	.01037	.02234	.01335	.02212	.04095	.08292	.02191	.02382
73B	Legal, engineering, accounting, and related services	.01788	.02326	.01333	.02151	.02271	.02101	.04231	.03216	.06627	.04588	.03728
73C	Other business and professional services, except medical	.03485	.04302	.03895	.04203	.04203	.04455	.10447	.03881	.04855	.03931	.06116
73D	Advertising	.01593	.02375	.02174	.05343	.01169	.01147	.05044	.02482	.03142	.02391	.05300
74	Eating and drinking places	.00849	.00753	.00708	.00906	.00714	.00824	.00522	.02304	.00635	.00616	.00709
75	Automotive repair and services	.01097	.00747	.00771	.01074	.01658	.07357	.00584	.00658	.01100	.00963	.01129
76	Amusements	.00251	.00344	.00325	.00656	.00215	.00261	.00619	.00421	.00469	.02037	.46642
77A	Health services	.00003	.00002	.00002	.00005	.00002	.00046	.00003	.00004	.00002	.00002	.00019
77B	Educational and social services, and membership organizations	.00241	.00347	.00527	.00604	.00390	.00210	.00591	.00302	.00818	.00272	.00734
78	Federal Government enterprises	.00289	.00336	.00284	.00601	.00370	.00480	.00412	.00393	.00644	.00581	.00563
79	State and local government enterprises	.00275	.00197	.00100	.00331	.00210	.00251	.00140	.00098	.00060	.00054	.00083
80	Noncomparable imports	.00530	.00741	.01219	.00714	.00754	.00865	.10202	.10015	.01305	.03834	.00405
81	Scrap, used and secondhand goods	.00571	.00280	.00158	.00593	.00123	.00074	.00079	.00043	.00040	.00048	–.00023
82	General government industry	....	....	....	....	....	....	....	....	....	....	....
83	Rest of the world adjustment to final uses	....	....	....	....	....	....	....	....	....	....	....
84	Household industry	....	....	....	....	....	....	....	....	....	....	....
85	Inventory valuation adjustment	....	....	....	....	....	....	....	....	....	....	....
	Total commodity output multiplier	**2.08565**	**1.84647**	**1.78747**	**2.15619**	**1.92345**	**1.96359**	**2.04662**	**2.01260**	**1.68478**	**1.71695**	**2.05972**

*Less than .000005.

Total Requirements, 1992—Continued
of delivery to final demand, at producers' prices]

Electric services (utilities) 68A	Gas production and distribution (utilities) 68B	Water and sanitary services 68C	Wholesale trade 69A	Retail trade 69B	Finance 70A	Insurance 70B	Owner-occupied dwellings 71A	Real estate and royalties 71B	Hotels and lodging places 72A	Personal and repair services (exc. auto) 72B	Computer and data processing services 73A	Legal, engineering, accounting, and related services 73B	Other business and professional services, except medical 73C	Advertising 73D	Eating and drinking places 74	Automotive repair services 75	Amusements 76	Commodity number
.00040	.00051	.00064	.00080	.00060	.00046	.00071	.00034	.00053	.00134	.00085	.00051	.00044	.00080	.00094	.05785	.00061	.00364	1
.00082	.00112	.00160	.00101	.00081	.00055	.00078	.00130	.00133	.00211	.00128	.00064	.00055	.00076	.00137	.04478	.00091	.00581	2
.00088	.00114	.00187	.00078	.00047	.00030	.00037	.00044	.00066	.00072	.00055	.00035	.00028	.00036	.00112	.00915	.00063	.00065	3
.00107	.00183	.00336	.00121	.00194	.00093	.00120	.00866	.00628	.00591	.00144	.00120	.00116	.00092	.00151	.00904	.00137	.00469	4
.00066	.00099	.00148	.00039	.00030	.00019	.00025	.00016	.00028	.00036	.00068	.00050	.00019	.00041	.00053	.00065	.00235	.00036	5+6
.10263	.00256	.00483	.00155	.00301	.00109	.00087	.00025	.00183	.00465	.00248	.00113	.00087	.00105	.00214	.00390	.00262	.00254	7
.04213	.63455	.05384	.00992	.00940	.00525	.00469	.00189	.00644	.01330	.01200	.00469	.00401	.00767	.00991	.01473	.01759	.00876	8
.00145	.00204	.00317	.00043	.00049	.00027	.00031	.00077	.00106	.00100	.00060	.00034	.00026	.00038	.00087	.00117	.00080	.00066	9+10
																		11
.08975	.12522	.15139	.01254	.02202	.01121	.01347	.05094	.06652	.04241	.01845	.01208	.00969	.00984	.01763	.02403	.01839	.02327	12
.00001	.00001	.00002	.00002	.00001	.00002	.00002	(*)	.00001	.00003	.00001	.00002	.00003	.00029	.00003	.00001	.00002	.00012	13
.00165	.00206	.00242	.00353	.00247	.00196	.00310	.00041	.00157	.00525	.00303	.00220	.00182	.00285	.00374	.27654	.00255	.01191	14
(*)	(*)	(*)	(*)	(*)	(*)	(*)	....	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	15
.00080	.00043	.00090	.00116	.00057	.00048	.00039	.00015	.00031	.00410	.00574	.00036	.00028	.00049	.00109	.00117	.00138	.00205	16
.00053	.00058	.00097	.00044	.00042	.00023	.00025	.00024	.00036	.00114	.00113	.00025	.00020	.00028	.00100	.00096	.00106	.00049	17
.00015	.00014	.00045	.00147	.00019	.00012	.00013	.00002	.00010	.00147	.00569	.00015	.00011	.00046	.00034	.00029	.00059	.00147	18
.00021	.00026	.00041	.00070	.00023	.00070	.00035	.00010	.00020	.00904	.00343	.00016	.00016	.00019	.00036	.00095	.00120	.00078	19
.00943	.01251	.02012	.00768	.00423	.00258	.00286	.00492	.00694	.00592	.00441	.00272	.00240	.00267	.01122	.00547	.00405	.00479	20+21
.00003	.00004	.00012	.00005	.00009	.00005	.00005	.00001	.00005	.00005	.00007	.00012	.00006	.00005	.00006	.00012	.00118	.00007	22+23
.00330	.00380	.00589	.01412	.01645	.01004	.00925	.00105	.00429	.01103	.01270	.00920	.00828	.01038	.08854	.01954	.00897	.01053	24
.00107	.00116	.00222	.00678	.00274	.00130	.00135	.00033	.00084	.00367	.00307	.00176	.00131	.00282	.00453	.01124	.00327	.00242	25
.00022	.00021	.00042	.00083	.00066	.00120	.00059	.00006	.00022	.00126	.00078	.00063	.00074	.00070	.00600	.00051	.00076	.00107	26A
.00286	.00296	.00465	.01534	.00678	.01556	.01518	.00088	.00396	.00844	.01694	.01436	.01224	.01105	.06709	.00848	.00649	.00862	26B
.00855	.01454	.03194	.00615	.00503	.00344	.00393	.00157	.00367	.00708	.01172	.00511	.00335	.00906	.02183	.01210	.01287	.00680	27A
.00035	.00062	.00185	.00103	.00044	.00023	.00030	.00176	.00108	.00301	.00048	.00030	.00025	.00032	.00077	.00522	.00050	.00302	27B
.00212	.00206	.00494	.00272	.00229	.00130	.00177	.00065	.00133	.00364	.00538	.00239	.00129	.00216	.00596	.00510	.00775	.00242	28
.00004	.00003	.00006	.00010	.00002	.00002	.00002	.00001	.00002	.00005	.00007	.00002	.00002	.00006	.00006	.00125	.00004	.00020	29A
.00050	.00046	.00067	.00124	.00068	.00035	.00038	.00010	.00037	.00181	.01392	.00037	.00046	.00175	.00085	.00113	.00139	.00072	29B
.00109	.00149	.00226	.00038	.00047	.00024	.00061	.00056	.00083	.00065	.00070	.00034	.00024	.00048	.00072	.00069	.00332	.00079	30
.02731	.01707	.05032	.01067	.00990	.00502	.00504	.00209	.00577	.01003	.00998	.00472	.00407	.00841	.00844	.01286	.01978	.00858	31
.00647	.00557	.01598	.00864	.00700	.00320	.00558	.00185	.00392	.00902	.01167	.00732	.00371	.00670	.01308	.01896	.02762	.00574	32
.00006	.00008	.00009	.00010	.00038	.00014	.00013	.00002	.00008	.00045	.00532	.00011	.00028	.00027	.00020	.00014	.00018	.00098	33+34
.00063	.00067	.00192	.00093	.00045	.00044	.00060	.00018	.00042	.00532	.00094	.00116	.00096	.00153	.00069	.00519	.00628	.00065	35
.00400	.00635	.00985	.00105	.00119	.00067	.00079	.00177	.00331	.00268	.00145	.00093	.00072	.00112	.00124	.00306	.00275	.00127	36
.00743	.01469	.01265	.00310	.00274	.00158	.00216	.00174	.00282	.00317	.00535	.00366	.00161	.00366	.00342	.00510	.02273	.00290	37
.00554	.00507	.01082	.00379	.00242	.00163	.00220	.00148	.00247	.00277	.00688	.00618	.00167	.00321	.00318	.00610	.01912	.00327	38
.00021	.00026	.00047	.00111	.00016	.00011	.00016	.00006	.00013	.00028	.00039	.00016	.00011	.00032	.00036	.00724	.00038	.00044	39
.00479	.00616	.00794	.00108	.00128	.00069	.00083	.00263	.00326	.00214	.00136	.00167	.00063	.00084	.00152	.00143	.00357	.00135	40
.00187	.00106	.00316	.00085	.00078	.00053	.00085	.00026	.00060	.00091	.00253	.00215	.00057	.00126	.00094	.00148	.01553	.00101	41
.00412	.00704	.00922	.00282	.00286	.00202	.00296	.00139	.00255	.00300	.00581	.00480	.00195	.00289	.00307	.00383	.01630	.00284	42
.00660	.00061	.00105	.00035	.00051	.00024	.00033	.00008	.00026	.00054	.00041	.00028	.00023	.00081	.00041	.00051	.00510	.00037	43
.00392	.00239	.00186	.00034	.00025	.00013	.00014	.00054	.00035	.00042	.00026	.00015	.00012	.00042	.00026	.00085	.00037	.00039	44+45
.00078	.00044	.00022	.00087	.00009	.00006	.00007	.00003	.00007	.00012	.00010	.00009	.00008	.00052	.00011	.00015	.00015	.00009	46
.00110	.00100	.00123	.00077	.00045	.00030	.00036	.00015	.00032	.00053	.00079	.00063	.00041	.00224	.00070	.00063	.00189	.00049	47
.00017	.00022	.00041	.00046	.00036	.00025	.00028	.00005	.00016	.00037	.00090	.00035	.00029	.00150	.00176	.00106	.00063	.00030	48
.00263	.00198	.00239	.00068	.00062	.00044	.00051	.00032	.00059	.00080	.00124	.00056	.00043	.00204	.00073	.00159	.00354	.00061	49
.00306	.00286	.00894	.00227	.00149	.00072	.00084	.00025	.00086	.00130	.00260	.00148	.00100	.00247	.00205	.00171	.00862	.00130	50
.00154	.00350	.00172	.00254	.00146	.00434	.00359	.00024	.00073	.00184	.00792	.07946	.00532	.00394	.00304	.00117	.00212	.00158	51
.00119	.00189	.00483	.00067	.00073	.00028	.00042	.00063	.00103	.00087	.00457	.00031	.00028	.00073	.00057	.00073	.00703	.00155	52
.00315	.00204	.00282	.00098	.00085	.00076	.00087	.00046	.00087	.00136	.00244	.00361	.00085	.00377	.00178	.00109	.00487	.00099	53
.00026	.00037	.00052	.00008	.00012	.00006	.00007	.00014	.00031	.00033	.00785	.00007	.00006	.00009	.00010	.00014	.00016	.00012	54
.00302	.00239	.00353	.00074	.00101	.00040	.00058	.00092	.00135	.00126	.00098	.00065	.00038	.00072	.00075	.00106	.00388	.00149	55
.00042	.00059	.00135	.00076	.00047	.00052	.00075	.00019	.00045	.00066	.00068	.00095	.00046	.00063	.00096	.00041	.00063	.00054	56
.00273	.00278	.00611	.01017	.00310	.00522	.00443	.00051	.00160	.00351	.01847	.07621	.00519	.01304	.00649	.00273	.00978	.00348	57
.00143	.00127	.00315	.00123	.00120	.00155	.00234	.00024	.00063	.00102	.00127	.00361	.00221	.00174	.00160	.00119	.00708	.00697	58
.00003	.00002	.00014	.00003	.00003	.00001	.00003	(*)	.00002	.00002	.00002	.00002	.00002	.00004	.00002	.00003	.00106	.00003	59A
.00192	.00204	.03238	.03389	.00579	.00184	.00367	.00042	.00181	.00301	.00291	.00181	.00188	.00321	.00288	.00385	.10821	.00300	59B
.00027	.00030	.00040	.00027	.00020	.00025	.00035	.00003	.00016	.00027	.00025	.00030	.00023	.00033	.00026	.00028	.00043	.00023	60
.00078	.00022	.00033	.00012	.00013	.00012	.00016	.00003	.00011	.00020	.00014	.00011	.00014	.00100	.00022	.00024	.00019	.00053	61
.00111	.00090	.01577	.00038	.00042	.00029	.00062	.00021	.00050	.00086	.00168	.00104	.00033	.00082	.00088	.00047	.00119	.00051	62
.00045	.00070	.00097	.00184	.00108	.00257	.00294	.00017	.00071	.00139	.01223	.00136	.00335	.00389	.00515	.00080	.00123	.00136	63
.00091	.00105	.00150	.00154	.00155	.00241	.00182	.00032	.00090	.00243	.01693	.00103	.00189	.00245	.00223	.00215	.00142	.00384	64
.03286	.00396	.00605	.00274	.00299	.00242	.00320	.00060	.00220	.00417	.00332	.00243	.00203	.00312	.00581	.00758	.00528	.00307	65A
.01184	.01037	.06799	.00979	.00839	.01869	.01168	.00275	.00606	.01421	.01356	.00670	.00731	.01005	.01909	.02435	.01898	.00874	65B
.00649	.00387	.00356	.00080	.00073	.00051	.00045	.00022	.00056	.00115	.00108	.00052	.00050	.00082	.00104	.00214	.00148	.00095	65C
.00453	.00767	.00666	.00712	.00511	.00671	.00918	.00078	.00405	.00695	.00619	.00768	.00596	.00765	.00667	.00718	.00826	.00560	65D
.00267	.00811	.01243	.00199	.00131	.00156	.00164	.00026	.00098	.01548	.00168	.00129	.00115	.00158	.00181	.00234	.00384	.00134	65E
.00634	.00839	.02453	.02238	.01586	.02210	.03520	.00194	.01168	.02237	.02077	.03036	.01937	.01944	.02084	.01166	.01754	.01591	66
.00003	.00004	.00006	.00017	.00030	.00014	.00013	.00001	.00007	.00014	.00018	.00010	.00005	.00008	.00530	.00019	.00016	.00028	67
1.00773	.02078	.03276	.01329	.02783	.00964	.00738	.00176	.01648	.04311	.02140	.00952	.00750	.00851	.01576	.03347	.01893	.02325	68A
.04206	1.25119	.03757	.00583	.00587	.00384	.00264	.00085	.00515	.01269	.01001	.00255	.00384	.00642	.01142	.00918	.00918	.00573	68B
.00464	.00343	1.04007	.00305	.00498	.00456	.00251	.00064	.00791	.01628	.00743	.00179	.00183	.00213	.00314	.00876	.00546	.00496	68C
.02554	.03039	.05274	1.03790	.01538	.01495	.01511	.00558	.01121	.02254	.03744	.04878	.01406	.02279	.03991	.08506	.06473	.03120	69A
.00496	.00736	.01271	.00378	1.00516	.00197	.00287	.00064	.00391	.00464	.00249	.00138	.00122	.00299	.00237	.00389	.00822	.00277	69B
.02568	.02460	.02431	.01909	.02566	1.16668	.08188	.02411	.01608	.06815	.01946	.01767	.01846	.01619	.01734	.02213	.06606	.01907	70A
.00500	.00554	.01412	.00371	.00588	.00626	1.38753	.00997	.00565	.00498	.00538	.00281	.00301	.00391	.00566	.00532	.00855	.00434	70B
							1.00000											71A
.03161	.12956	.04677	.04449	.08913	.05350	.07685	.04273	1.07924	.09524	.07927	.05071	.07244	.04384	.05362	.07833	.07114	.09472	71B
.00383	.00515	.00483	.00500	.00458	.00486	.00846	.00058	.00374	1.00583	.00485	.00495	.00725	.00626	.00525	.00571	.00599	.00475	72A
.00148	.00191	.00445	.00347	.00456	.00234	.00265	.00042	.00465	.00872	1.05263	.00298	.00200	.00296	.00363	.00526	.01225	.00456	72B
.01602	.01021	.01173	.01962	.01184	.04368	.02268	.00187	.00485	.01574	.01267	1.09177	.03175	.02222	.01476	.00956	.01546	.01104	73A
.02485	.05932	.05450	.02109	.02021	.04153	.06050	.01062	.02749	.02357	.04801	.02754	1.08847	.02843	.03136	.02172	.02359	.03792	73B
.02652	.03122	.04391	.05822	.05124	.06026	.07486	.01054	.03965	.09348	.04898	.05095	.10390	1.06839	.06442	.04458	.04949	.05827	73C
.00522	.00699	.01041	.03112	.05604	.02453	.02327	.00187	.01278	.02518	.03417	.01703	.00855	.01328	1.02758	.03690	.02903	.05223	73D
.00483	.00616	.00648	.00604	.00627	.00590	.01024	.00070	.00453	.00840	.00642	.00650	.00545	.00835	.00665	1.01885	.00738	.00655	74
.00523	.00778	.02790	.01180	.00955	.00650	.02439	.00161	.00961	.01134	.01068	.00945	.00788	.00984	.01193	.01104	1.01745	.01174	75
.00129	.00185	.00224	.00510	.00700	.00377	.00431	.00039	.00210	.00400	.00467	.00309	.00241	.00357	.10021	.01496	.00429	1.19606	76
.00001	.00001	.00013	.00002	.00002	.00002	.00002	.00001	.00001	.00001	.00002	.00001	.00001	.00003	.00006	.00094	.00002	.00046	77A
.00387	.00214	.00215	.00300	.00195	.00346	.00328	.00028	.00154	.00331	.00503	.00800	.00425	.00425	.00393	.00305	.00255	.00292	77B
.00445	.00403	.00552	.00787	.00809	.02590	.01463	.00107	.00455	.00866	.00837	.00860	.01218	.00810	.00730	.00445	.01183	.00731	78
.00049	.00114	.00708	.00093	.00111	.00073	.00054	.00013	.00128	.00230	.00130	.00053	.00059	.00057	.00125	.00149	.00177	.00088	79
.00318	.00979	.00570	.01027	.00288	.01189	.00835	.00063	.00173	.00494	.00394	.01360	.00501	.00681	.00438	.00466	.00579	-.00489	80
.00058	.00082	.00114	.00045	.00038	.00024	.00035	.00015	.00029	.00040	.00068	.00055	.00024	.00040	.00091	.00069	.00499	-.00108	81
																		82
																		83
																		84
																		85
1.68641	**2.57066**	**2.08701**	**1.51760**	**1.53420**	**1.64737**	**2.00556**	**1.22292**	**1.44022**	**1.75034**	**1.73597**	**1.69891**	**1.52949**	**1.47524**	**1.80732**	**2.09198**	**1.90615**	**1.78787**	

Table 4.—Commodity-by-Commodity Total Requirements, 1992—Continued
[Total requirements, direct and indirect, per dollar of delivery to final demand, at producers' prices]

Commodity number	Each entry represents the output required, directly and indirectly, of the commodity named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	Non-comparable imports	Scrap, used, and second-hand goods	General government industry	Rest-of-the-world adjustment to final uses	Household industry	Inventory valuation adjustment
	Commodity number	77A	77B	78	79	80	81	82	83	84	85
1	Livestock and livestock products	0.00291	0.00400	0.00072	0.00066						
2	Other agricultural products	.00294	.00377	.00074	.00233						
3	Forestry and fishery products	.00066	.00102	.00030	.00239						
4	Agricultural, forestry, and fishery services	.00250	.00340	.00041	.00660						
5+6	Metallic ores mining	.00053	.00045	.00042	.00135						
7	Coal mining	.00162	.00197	.00110	.00657						
8	Crude petroleum and natural gas	.00864	.01068	.00855	.04343						
9+10	Nonmetallic minerals mining	.00066	.00105	.00028	.00555						
11	New construction										
12	Maintenance and repair construction	.01567	.05566	.01067	.27640						
13	Ordnance and accessories	.00002	.00002	.00001	.00002						
14	Food and kindred products	.01306	.01721	.00329	.00205						
15	Tobacco products	(*)	(*)	(*)	(*)						
16	Broad and narrow fabrics, yarn and thread mills	.00157	.00112	.00132	.00097						
17	Miscellaneous textile goods and floor coverings	.00066	.00064	.00043	.00122						
18	Apparel	.00157	.00062	.00017	.00077						
19	Miscellaneous fabricated textile products	.00150	.00062	.00234	.00043						
20+21	Lumber and wood products	.00333	.00898	.00202	.02693						
22+23	Furniture and fixtures	.00006	.00007	.00103	.00009						
24	Paper and allied products, except containers	.01099	.02172	.00624	.00606						
25	Paperboard containers and boxes	.00331	.00335	.00291	.00191						
26A	Newspapers and periodicals	.00093	.00467	.00020	.00031						
26B	Other printing and publishing	.00946	.05122	.01654	.00428						
27A	Industrial and other chemicals	.02562	.00882	.00333	.03276						
27B	Agricultural fertilizers and chemicals	.00090	.00111	.00019	.00359						
28	Plastics and synthetic materials	.00485	.00332	.00152	.00420						
29A	Drugs	.01585	.00042	.00002	.00005						
29B	Cleaning and toilet preparations	.00171	.00128	.00098	.00069						
30	Paints and allied products	.00044	.00106	.00032	.00319						
31	Petroleum refining and related products	.00656	.01060	.01022	.03484						
32	Rubber and miscellaneous plastics products	.01712	.00928	.00327	.01113						
33+34	Footwear, leather, and leather products	.00021	.00094	.00054	.00009						
35	Glass and glass products	.00265	.00221	.00039	.00203						
36	Stone and clay products	.00141	.00239	.00072	.01851						
37	Primary iron and steel manufacturing	.00290	.00398	.00386	.01249						
38	Primary nonferrous metals manufacturing	.00274	.00377	.00341	.01047						
39	Metal containers	.00060	.00060	.00016	.00048						
40	Heating, plumbing, and fabricated structural metal products	.00106	.00279	.00095	.01289						
41	Screw machine products and stampings	.00155	.00128	.00147	.00207						
42	Other fabricated metal products	.00291	.00396	.00166	.00862						
43	Engines and turbines	.00028	.00036	.00032	.00092						
44+45	Farm, construction, and mining machinery	.00023	.00035	.00014	.00368						
46	Materials handling machinery and equipment	.00009	.00011	.00015	.00026						
47	Metalworking machinery and equipment	.00048	.00060	.00044	.00130						
48	Special industry machinery and equipment	.00042	.00055	.00019	.00041						
49	General industrial machinery and equipment	.00054	.00076	.00085	.00237						
50	Miscellaneous machinery, except electrical	.00129	.00159	.00312	.01535						
51	Computer and office equipment	.00366	.00281	.00061	.00145						
52	Service industry machinery	.00056	.00105	.00063	.00943						
53	Electrical industrial equipment and apparatus	.00117	.00128	.00063	.00324						
54	Household appliances	.00011	.00027	.00004	.00092						
55	Electric lighting and wiring equipment	.00094	.00165	.00088	.00531						
56	Audio, video, and communication equipment	.00054	.00084	.00019	.00180						
57	Electronic components and accessories	.00587	.00531	.00178	.00353						
58	Miscellaneous electrical machinery and supplies	.00105	.00162	.00091	.00283						
59A	Motor vehicles (passenger cars and trucks)	.00002	.00002	.00008	.00004						
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00235	.00337	.01756	.00340						
60	Aircraft and parts	.00036	.00026	.00124	.00022						
61	Other transportation equipment	.00014	.00019	.00038	.00045						
62	Scientific and controlling instruments	.01819	.00155	.00033	.00151						
63	Ophthalmic and photographic equipment	.00311	.00319	.00056	.00087						
64	Miscellaneous manufacturing	.00132	.00514	.00096	.00217						
65A	Railroads and related services; passenger ground transportation	.00351	.00359	.01046	.00548						
65B	Motor freight transportation and warehousing	.00987	.01237	.02591	.02110						
65C	Water transportation	.00084	.00091	.00307	.00458						
65D	Air transportation	.00578	.00661	.03398	.00506						
65E	Pipelines, freight forwarders, and related services	.00139	.00167	.00424	.00293						
66	Communications, except radio and TV	.01532	.01740	.00637	.01578						
67	Radio and TV broadcasting	.00006	.00018	.00002	.00006						
68A	Electric services (utilities)	.01345	.01655	.00932	.05900						
68B	Gas production and distribution (utilities)	.00566	.00707	.00415	.03966						
68C	Water and sanitary services	.00474	.00534	.00742	.01356						
69A	Wholesale trade	.03036	.03170	.01550	.03766						
69B	Retail trade	.00210	.00471	.00115	.01364						
70A	Finance	.01448	.02214	.01180	.02698						
70B	Insurance	.00578	.00562	.00322	.00725						
71A	Owner-occupied dwellings										
71B	Real estate and royalties	.07971	.13805	.02271	.05669						
72A	Hotels and lodging places	.00483	.00537	.00140	.00308						
72B	Personal and repair services (except auto)	.00374	.00398	.00098	.00336						
73A	Computer and data processing services	.01696	.02613	.00491	.01164						
73B	Legal, engineering, accounting, and related services	.02770	.02789	.00619	.07257						
73C	Other business and professional services, except medical	.06126	.07161	.02285	.05122						
73D	Advertising	.01135	.03346	.00366	.01008						
74	Eating and drinking places	.01029	.01017	.00317	.00492						
75	Automotive repair and services	.00986	.01096	.00728	.01433						
76	Amusements	.00230	.00882	.00068	.00184						
77A	Health services	1.02172	.00007	.00002	.00002						
77B	Educational and social services, and membership organizations	.00376	1.00665	.00090	.00209						
78	Federal Government enterprises	.01179	.01240	1.00125	.00688						
79	State and local government enterprises	.00076	.00102	.00077	1.01535						
80	Noncomparable imports	.00344	.00333	.02172	.00388	1.00000					
81	Scrap, used and secondhand goods	.00037	.00054	.00038	.00107		1.00000				
82	General government industry							1.00000			
83	Rest of the world adjustment to final uses								1.00000		
84	Household industry									1.00000	
85	Inventory valuation adjustment										1.00000
	Total commodity output multiplier	**1.59761**	**1.77922**	**1.36018**	**2.12162**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**	**1.00000**

Table 5.—Industry-by-Commodity Total Requirements, 1992

[Total requirements, direct and indirect, per dollar of delivery to final demand, at producers' prices]

Industry number	Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Livestock and livestock products	Other agri-cultural products	Forestry and fishery products	Agri-cultural, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Non-metallic minerals mining	New con-struction	Maintenance and repair construction
	Commodity number	1	2	3	4	5+6	7	8	9+10	11	12
1	Livestock and livestock products	1.20919	0.00459	0.04302	0.05040	0.00085	0.00063	0.00053	0.00060	0.00098	0.00106
2	Other agricultural products	.33378	1.04309	.21804	.16320	.00202	.00130	.00107	.00106	.00569	.00644
3	Forestry and fishery products	.00240	.00097	.82943	.00160	.00098	.00060	.00043	.00043	.00541	.00666
4	Agricultural, forestry, and fishery services	.07597	.07384	.17420	.96687	.00274	.00138	.00168	.00112	.00484	.00578
5+6	Metallic ores mining	.00097	.00087	.00059	.00074	1.24193	.00180	.00124	.00289	.00301	.00262
7	Coal mining	.00440	.00237	.00117	.00160	.01400	1.13077	.00333	.01134	.00306	.00261
8	Crude petroleum and natural gas	.03160	.03965	.03452	.02335	.04824	.03137	1.27218	.05418	.02151	.02685
9+10	Nonmetallic minerals mining	.00416	.00883	.00231	.00620	.00584	.00184	.00151	.99309	.01262	.01309
11	New construction									1.00037	
12	Maintenance and repair construction	.03693	.02881	.04135	.02166	.04339	.01544	.04970	.02242	.01221	1.01187
13	Ordnance and accessories	.00006	.00005	.00005	.00005	.00010	.00006	.00004	.00007	.00015	.00012
14	Food and kindred products	.25306	.00430	.04442	.01747	.00373	.00238	.00212	.00263	.00265	.00262
15	Tobacco products	(*)	(*)	(*)	(*)	.00001	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills	.00307	.00536	.00279	.00327	.00095	.00526	.00037	.00085	.00270	.00257
17	Miscellaneous textile goods and floor coverings	.00329	.00273	.00644	.00356	.00058	.00047	.00030	.00050	.00350	.00379
18	Apparel	.00038	.00033	.00028	.00036	.00020	.00038	.00012	.00017	.00031	.00031
19	Miscellaneous fabricated textile products	.00099	.00186	.00148	.00303	.00023	.00020	.00016	.00018	.00085	.00100
20+21	Lumber and wood products	.00906	.01082	.00562	.00447	.01149	.00653	.00529	.00363	.07668	.09498
22+23	Furniture and fixtures	.00012	.00009	.00008	.00008	.00016	.00012	.00007	.00015	.00344	.00051
24	Paper and allied products, except containers	.01752	.01097	.00805	.00813	.00552	.00374	.00288	.00527	.01256	.01042
25	Paperboard containers and boxes	.01006	.00952	.00523	.00771	.00253	.00170	.00089	.00190	.00403	.00375
26A	Newspapers and periodicals	.00485	.00256	.00250	.00333	.00239	.00196	.00208	.00401	.00346	.00333
26B	Other printing and publishing	.00940	.00536	.00559	.00607	.00488	.00395	.00384	.00505	.00696	.00649
27A	Industrial and other chemicals	.02037	.02530	.01179	.02292	.07446	.01837	.01910	.02913	.02107	.01982
27B	Agricultural fertilizers and chemicals	.03588	.08901	.02223	.08888	.00227	.00082	.00076	.00102	.00159	.00172
28	Plastics and synthetic materials	.00666	.00636	.00444	.00532	.00809	.00489	.00214	.00539	.00953	.00948
29A	Drugs	.00610	.00130	.00071	.00154	.00056	.00015	.00016	.00023	.00020	.00020
29B	Cleaning and toilet preparations	.00294	.00311	.00240	.00304	.00140	.00060	.00054	.00110	.00133	.00144
30	Paints and allied products	.00093	.00072	.00075	.00082	.00135	.00067	.00078	.00093	.01014	.01032
31	Petroleum refining and related products	.03281	.03878	.04115	.02015	.04567	.03637	.01388	.06072	.02276	.03063
32	Rubber and miscellaneous plastics products	.01937	.01227	.00787	.00785	.01896	.01651	.00384	.01937	.02650	.02761
33+34	Footwear, leather, and leather products	.00062	.00010	.00032	.00018	.00006	.00005	.00006	.00005	.00014	.00013
35	Glass and glass products	.00364	.00078	.00113	.00120	.00092	.00070	.00044	.00139	.00460	.00273
36	Stone and clay products	.00287	.00373	.00219	.00207	.01108	.00653	.00505	.04338	.05945	.03388
37	Primary iron and steel manufacturing	.00825	.00617	.00545	.00438	.05706	.02015	.02243	.02812	.03685	.03054
38	Primary nonferrous metals manufacturing	.00720	.00382	.00391	.00327	.00910	.00725	.00386	.00706	.02814	.02534
39	Metal containers	.00685	.00092	.00163	.00119	.00076	.00031	.00026	.00042	.00074	.00074
40	Heating, plumbing, and fabricated structural metal products	.00283	.00235	.00253	.00148	.01409	.00643	.00316	.00821	.05421	.04454
41	Screw machine products and stampings	.00208	.00109	.00109	.00097	.00414	.00767	.00092	.00333	.00493	.00428
42	Other fabricated metal products	.00679	.00544	.00415	.00492	.00614	.00657	.00764	.00530	.02700	.02254
43	Engines and turbines	.00095	.00077	.00163	.00046	.00604	.00649	.00084	.00561	.00108	.00093
44+45	Farm, construction, and mining machinery	.00624	.00752	.00516	.00250	.03819	.03817	.00397	.03968	.00339	.00312
46	Materials handling machinery and equipment	.00026	.00028	.00014	.00019	.00769	.00656	.00071	.01429	.00323	.00053
47	Metalworking machinery and equipment	.00135	.00106	.00072	.00058	.00280	.00190	.00090	.00193	.00294	.00234
48	Special industry machinery and equipment	.00060	.00046	.00038	.00044	.00094	.00056	.00028	.00072	.00078	.00069
49	General industrial machinery and equipment	.00212	.00185	.00163	.00101	.00831	.01282	.00248	.01114	.01027	.00538
50	Miscellaneous machinery, except electrical	.00311	.00299	.00189	.00191	.00674	.00827	.00322	.00504	.00448	.00338
51	Computer and office equipment	.00141	.00105	.00101	.00097	.00142	.00094	.00090	.00135	.00184	.00157
52	Service industry machinery	.00079	.00062	.00092	.00062	.00092	.00066	.00081	.00079	.01242	.01198
53	Electrical industrial equipment and apparatus	.00172	.00130	.00131	.00089	.00455	.00475	.00194	.00591	.00956	.00775
54	Household appliances	.00018	.00015	.00016	.00012	.00022	.00014	.00019	.00015	.00242	.00282
55	Electric lighting and wiring equipment	.00166	.00122	.00136	.00132	.00123	.00125	.00113	.00085	.01848	.01681
56	Audio, video, and communication equipment	.00052	.00039	.00038	.00035	.00044	.00027	.00035	.00036	.00479	.00341
57	Electronic components and accessories	.00317	.00248	.00212	.00211	.00262	.00194	.00144	.00247	.00526	.00454
58	Miscellaneous electrical machinery and supplies	.00451	.00505	.00224	.00230	.00137	.00112	.00061	.00179	.00315	.00286
59A	Motor vehicles (passenger cars and trucks)	.00020	.00016	.00021	.00018	.00026	.00027	.00008	.00028	.00023	.00023
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00441	.00385	.00506	.00444	.00465	.00377	.00173	.00586	.00453	.00480
60	Aircraft and parts	.00033	.00027	.00044	.00059	.00076	.00073	.00029	.00064	.00050	.00044
61	Other transportation equipment	.00060	.00029	.00052	.00023	.00079	.00100	.00024	.00043	.00063	.00062
62	Scientific and controlling instruments	.00108	.00068	.00173	.00081	.00111	.00062	.00051	.00071	.00470	.00389
63	Ophthalmic and photographic equipment	.00082	.00061	.00058	.00086	.00069	.00059	.00059	.00053	.00108	.00095
64	Miscellaneous manufacturing	.00158	.00116	.00106	.00095	.00110	.00078	.00073	.00114	.00467	.00449
65A	Railroads and related services; passenger ground transportation	.02054	.00641	.00418	.00605	.01244	.03265	.00400	.00828	.00648	.00631
65B	Motor freight transportation and warehousing	.05251	.02924	.01544	.02594	.03298	.02351	.01015	.03198	.03745	.03547
65C	Water transportation	.00423	.00347	.01571	.00206	.00415	.00754	.00421	.00300	.00305	.00310
65D	Air transportation	.00534	.00425	.00706	.01377	.00729	.00634	.00505	.00560	.00535	.00508
65E	Pipelines, freight forwarders, and related services	.00583	.00360	.00398	.00381	.00457	.00421	.00219	.00436	.00333	.00347
66	Communications, except radio and TV	.01317	.00904	.00743	.00952	.00987	.00665	.00790	.00894	.01277	.01270
67	Radio and TV broadcasting	.00330	.00168	.00167	.00220	.00161	.00129	.00143	.00190	.00235	.00228
68A	Electric services (utilities)	.03260	.01594	.00738	.00998	.09023	.02797	.02354	.05030	.01393	.01304
68B	Gas production and distribution (utilities)	.01162	.01420	.00805	.00811	.02491	.00969	.04495	.03441	.00918	.00885
68C	Water and sanitary services	.00254	.00316	.00126	.00120	.00122	.00080	.00140	.00113	.00152	.00154
69A	Wholesale trade	.12473	.08357	.04815	.06489	.06621	.05650	.02424	.06186	.07792	.07459
69B	Retail trade	.00335	.00222	.00432	.00206	.00462	.00296	.00424	.00511	.04185	.04670
70A	Finance	.02444	.01711	.01996	.01896	.02390	.01769	.01691	.02056	.02173	.02045
70B	Insurance	.01114	.00756	.01017	.00657	.00696	.00451	.00414	.00692	.01125	.00811
71A	Owner-occupied dwellings										
71B	Real estate and royalties	.10916	.11460	.03231	.04117	.03536	.04147	.22707	.03423	.03190	.03086
72A	Hotels and lodging places	.00396	.00280	.00464	.00351	.00645	.00532	.00526	.00504	.00436	.00410
72B	Personal and repair services (except auto)	.00306	.00271	.00235	.00420	.00242	.00161	.00179	.00145	.00273	.00272
73A	Computer and data processing services	.00868	.00595	.00641	.00598	.01032	.00645	.00578	.01012	.00944	.00839
73B	Legal, engineering, accounting, and related services	.01762	.01462	.03360	.02547	.03411	.02739	.03680	.02255	.08655	.05113
73C	Other business and professional services, except medical	.03745	.03126	.03452	.03010	.03785	.02486	.02367	.02697	.05899	.05868
73D	Advertising	.00359	.00184	.00182	.00240	.00176	.00141	.00156	.00207	.00258	.00250
74	Eating and drinking places	.00454	.00310	.00563	.00457	.00837	.00651	.00600	.00697	.00537	.00514
75	Automotive repair and services	.01169	.00981	.01004	.01559	.01021	.00548	.00480	.00654	.01199	.01285
76	Amusements	.00318	.00205	.00311	.01040	.00164	.00153	.00162	.00162	.00214	.00210
77A	Health services	.01919	.00012	.00067	.00085	.00007	.00005	.00004	.00005	.00010	.00010
77B	Educational and social services, and membership organizations	.00265	.00181	.00339	.00178	.00363	.00331	.00189	.00187	.00193	.00180
78	Federal Government enterprises	.00469	.00302	.00300	.00341	.00720	.00307	.00153	.00460	.00510	.00486
79	State and local government enterprises	.01227	.00944	.00514	.00561	.01552	.00961	.01053	.01033	.00618	.00595
82	General government industry										
84	Household industry										
85	Inventory valuation adjustment										
	Total industry output multiplier	**2.77218**	**1.89708**	**1.87297**	**1.81731**	**2.20761**	**1.77991**	**1.94326**	**1.80742**	**2.07407**	**1.98925**

*Less than .000005.

Table 5.—Industry-by-Commodity
[Total requirements, direct and indirect, per dollar

Industry number	Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Ordnance and accessories	Food and kindred products	Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes
	Commodity number	13	14	15	16	17	18	19	20+21	22+23	24	25
1	Livestock and livestock products	0.00068	.25604	.00091	.01578	.00762	.00594	.00765	.00573	.00246	.00327	.00188
2	Other agricultural products	.00126	.16848	.08842	.09009	.02371	.02844	.03275	.02859	.00844	.00595	.00341
3	Forestry and fishery products	.00066	.00841	.00039	.00064	.00086	.00344	.00089	.09624	.00836	.00817	.00381
4	Agricultural, forestry, and fishery services	.00163	.02513	.00671	.00797	.00316	.00370	.00370	.02118	.00335	.00315	.00202
5+6	Metallic ores mining	.00370	.00171	.00031	.00213	.00270	.00102	.00134	.00117	.00395	.00175	.00197
7	Coal mining	.00300	.00420	.00184	.00704	.00634	.00439	.00449	.00328	.00467	.00995	.00710
8	Crude petroleum and natural gas	.01199	.02511	.00874	.03649	.04088	.02135	.02523	.02401	.01987	.03642	.03220
9+10	Nonmetallic minerals mining	.00128	.00278	.00118	.00456	.00511	.00191	.00262	.00197	.00198	.00698	.00407
11	New construction											
12	Maintenance and repair construction	.01631	.02473	.00955	.02553	.02997	.02045	.02117	.02035	.01833	.03171	.02588
13	Ordnance and accessories	.96874	.00006	.00003	.00008	.00010	.00007	.00006	.00006	.00008	.00004	.00008
14	Food and kindred products	.00270	1.23597	.00242	.00808	.00789	.00612	.00947	.00832	.00591	.01410	.00851
15	Tobacco products	(*)	.00001	1.09045	.00002	.00002	.00001	.00001	(*)	(*)	.00007	.00003
16	Broad and narrow fabrics, yarn and thread mills	.00241	.00244	.00143	1.27721	.24693	.36494	.45425	.00250	.06701	.00745	.00400
17	Miscellaneous textile goods and floor coverings	.00080	.00181	.00070	.00433	.97617	.00470	.06276	.00402	.02728	.00993	.00458
18	Apparel	.00093	.00034	.00014	.01310	.00508	1.24581	.04894	.00045	.00115	.00048	.00038
19	Miscellaneous fabricated textile products	.00033	.00078	.00033	.00330	.00383	.03781	.91556	.00052	.00194	.00067	.00043
20+21	Lumber and wood products	.00654	.00900	.00396	.00521	.00724	.00435	.00704	1.41773	.11913	.11404	.05208
22+23	Furniture and fixtures	.00065	.00020	.00005	.00013	.00011	.00015	.00110	.00347	.99593	.00051	.00028
24	Paper and allied products, except containers	.00665	.04032	.02146	.01216	.03267	.01120	.01437	.01107	.01999	1.15789	.49161
25	Paperboard containers and boxes	.00436	.02853	.01425	.00591	.00776	.00536	.00619	.00680	.01960	.01966	1.00112
26A	Newspapers and periodicals	.00379	.01149	.02453	.00365	.00595	.00660	.00443	.00418	.00586	.00491	.00468
26B	Other printing and publishing	.00581	.02003	.03477	.00666	.01117	.01059	.00935	.00742	.00943	.01739	.01266
27A	Industrial and other chemicals	.02191	.02628	.01122	.13773	.17442	.05284	.07809	.02184	.03351	.09023	.06856
27B	Agricultural fertilizers and chemicals	.00160	.01680	.00794	.01295	.00898	.00456	.00580	.00712	.00230	.00372	.00252
28	Plastics and synthetic materials	.01033	.00948	.00992	.18630	.26319	.07016	.09825	.01181	.03113	.04118	.02612
29A	Drugs	.00027	.00587	.00023	.00112	.00132	.00056	.00068	.00030	.00031	.00083	.00058
29B	Cleaning and toilet preparations	.00068	.00319	.00248	.00531	.00910	.00705	.00369	.00127	.00212	.00708	.00369
30	Paints and allied products	.00120	.00144	.00035	.00175	.00222	.00095	.00114	.00314	.01026	.00166	.00447
31	Petroleum refining and related products	.00994	.02232	.00829	.02570	.02799	.01560	.01818	.02441	.01716	.02642	.02763
32	Rubber and miscellaneous plastics products	.02443	.03308	.01088	.02365	.03620	.01873	.03447	.02384	.05757	.05497	.03687
33+34	Footwear, leather, and leather products	.00007	.00024	.00006	.00050	.00022	.00738	.02772	.00031	.00158	.00011	.00013
35	Glass and glass products	.00161	.01397	.00040	.01094	.00356	.00362	.00489	.00573	.00667	.00165	.00223
36	Stone and clay products	.00439	.00252	.00096	.00236	.00669	.00162	.00237	.00831	.00689	.00570	.00360
37	Primary iron and steel manufacturing	.03532	.01312	.00222	.00532	.00725	.00417	.00491	.01334	.06432	.00827	.01739
38	Primary nonferrous metals manufacturing	.04417	.01825	.00160	.00399	.00516	.00393	.00358	.00810	.02600	.00701	.01040
39	Metal containers	.00036	.03128	.00028	.00139	.00166	.00074	.00095	.00069	.00097	.00124	.00206
40	Heating, plumbing, and fabricated structural metal products	.00284	.00203	.00073	.00176	.00219	.00142	.00160	.01104	.00459	.00296	.00228
41	Screw machine products and stampings	.01105	.00314	.00050	.00099	.00125	.00087	.00108	.00761	.01402	.00200	.00239
42	Other fabricated metal products	.01853	.00830	.00282	.00363	.00486	.00283	.00370	.01908	.05197	.01206	.01789
43	Engines and turbines	.00185	.00070	.00023	.00068	.00071	.00049	.00053	.00080	.00068	.00079	.00074
44+45	Farm, construction, and mining machinery	.00103	.00246	.00080	.00137	.00098	.00070	.00076	.00129	.00123	.00108	.00085
46	Materials handling machinery and equipment	.00022	.00024	.00008	.00024	.00027	.00020	.00020	.00069	.00109	.00034	.00029
47	Metalworking machinery and equipment	.00447	.00133	.00059	.00135	.00150	.00091	.00125	.00234	.00309	.00170	.00211
48	Special industry machinery and equipment	.00342	.00121	.00044	.00325	.01347	.00472	.00421	.00112	.00173	.00454	.00682
49	General industrial machinery and equipment	.01494	.00219	.00049	.00124	.00180	.00108	.00127	.00402	.00437	.00211	.00191
50	Miscellaneous machinery, except electrical	.01134	.00300	.00103	.00451	.00472	.00280	.00373	.00470	.00577	.00506	.00536
51	Computer and office equipment	.00774	.00143	.00099	.00151	.00171	.00149	.00133	.00136	.00140	.00186	.00169
52	Service industry machinery	.00053	.00078	.00044	.00066	.00080	.00058	.00081	.00197	.00180	.00098	.00079
53	Electrical industrial equipment and apparatus	.00904	.00173	.00097	.00139	.00190	.00122	.00132	.00184	.00241	.00190	.00187
54	Household appliances	.00018	.00015	.00006	.00019	.00020	.00014	.00043	.00316	.00050	.00040	.00025
55	Electric lighting and wiring equipment	.00196	.00125	.00081	.00094	.00098	.00069	.00073	.00294	.00125	.00148	.00108
56	Audio, video, and communication equipment	.01324	.00043	.00026	.00038	.00044	.00039	.00036	.00044	.00048	.00043	.00044
57	Electronic components and accessories	.06715	.00295	.00165	.00275	.00308	.00307	.00255	.00292	.00307	.00311	.00313
58	Miscellaneous electrical machinery and supplies	.00157	.00203	.00082	.00104	.00088	.00079	.00078	.00121	.00084	.00098	.00090
59A	Motor vehicles (passenger cars and trucks)	.00020	.00018	.00006	.00012	.00014	.00010	.00010	.00045	.00028	.00018	.00018
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00461	.00377	.00143	.00279	.00306	.00232	.00280	.00719	.00327	.00372	.00372
60	Aircraft and parts	.10843	.00041	.00022	.00042	.00046	.00044	.00045	.00046	.00054	.00046	.00052
61	Other transportation equipment	.00105	.00049	.00012	.00037	.00046	.00032	.00116	.00113	.00040	.00059	.00058
62	Scientific and controlling instruments	.05752	.00088	.00045	.00076	.00244	.00058	.00082	.00102	.00291	.00512	.00271
63	Ophthalmic and photographic equipment	.00111	.00096	.00084	.00099	.00128	.00094	.00091	.00089	.00111	.00290	.00174
64	Miscellaneous manufacturing	.00113	.00172	.00226	.00106	.00138	.01520	.00430	.00219	.00224	.00106	.00129
65A	Railroads and related services; passenger ground transportation	.00431	.01489	.00295	.01135	.01382	.00623	.00735	.01294	.00906	.01801	.02060
65B	Motor freight transportation and warehousing	.01994	.04518	.01357	.03452	.04469	.02838	.03464	.05135	.03606	.05766	.07533
65C	Water transportation	.00100	.00490	.00093	.00294	.00429	.00157	.00213	.00523	.00236	.00443	.00305
65D	Air transportation	.00802	.00802	.00489	.00788	.00854	.00959	.00937	.00799	.00774	.00801	.00978
65E	Pipelines, freight forwarders, and related services	.00241	.00456	.00168	.00405	.00480	.00332	.00369	.00458	.00345	.00515	.00601
66	Communications, except radio and TV	.00938	.01162	.00807	.01008	.01259	.01097	.01061	.01020	.01146	.01082	.01248
67	Radio and TV broadcasting	.00262	.00829	.01818	.00254	.00421	.00475	.00311	.00277	.00415	.00334	.00275
68A	Electric services (utilities)	.01708	.02403	.00702	.04453	.03517	.02813	.02865	.02290	.02252	.03835	.03008
68B	Gas production and distribution (utilities)	.00769	.01463	.00397	.02171	.02402	.01476	.01642	.01082	.01199	.02740	.01922
68C	Water and sanitary services	.00124	.00218	.00072	.00236	.00291	.00152	.00201	.00183	.00169	.00385	.00271
69A	Wholesale trade	.05904	.12083	.03700	.09991	.09606	.09692	.09955	.11097	.11358	.09526	.11634
69B	Retail trade	.00156	.00462	.00406	.00314	.00303	.00240	.00249	.00346	.00378	.00439	.00346
70A	Finance	.01774	.02467	.01509	.02254	.02502	.02309	.02272	.02386	.02256	.02372	.02498
70B	Insurance	.00401	.00776	.00394	.00579	.00598	.00554	.00554	.00682	.00561	.00598	.00625
71A	Owner-occupied dwellings											
71B	Real estate and royalties	.02457	.05339	.02454	.03595	.03358	.03817	.03966	.03115	.03217	.02893	.03033
72A	Hotels and lodging places	.00559	.00615	.00476	.00646	.00731	.00729	.00688	.00687	.00641	.00664	.00727
72B	Personal and repair services (except auto)	.00260	.00368	.00214	.01024	.00850	.00597	.00550	.00396	.00353	.00568	.00524
73A	Computer and data processing services	.01477	.00966	.00596	.01103	.01267	.00981	.00962	.00967	.00968	.01214	.01198
73B	Legal, engineering, accounting, and related services	.01710	.01790	.01843	.02406	.02948	.01944	.02053	.01989	.02185	.01949	.01799
73C	Other business and professional services, except medical	.03560	.04202	.03043	.04064	.04277	.08289	.03848	.03927	.04235	.04140	.04280
73D	Advertising	.00285	.00899	.01969	.00277	.00457	.00519	.00338	.00302	.00451	.00363	.00300
74	Eating and drinking places	.00743	.00759	.00578	.00860	.00940	.00991	.00942	.00909	.00874	.00843	.00918
75	Automotive repair and services	.00609	.01161	.00595	.01135	.01237	.00886	.00904	.01249	.00904	.01397	.01437
76	Amusements	.00212	.00569	.01063	.00223	.00321	.00370	.00247	.00266	.00303	.00284	.00258
77A	Health services	.00006	.00411	.00005	.00031	.00019	.00020	.00018	.00015	.00010	.00012	.00011
77B	Educational and social services, and membership organizations	.00224	.00276	.00228	.00257	.00287	.00285	.00737	.00580	.00350	.00317	.00280
78	Federal Government enterprises	.00292	.00442	.00359	.00508	.00547	.00522	.00539	.00442	.00491	.00489	.00477
79	State and local government enterprises	.00580	.01027	.00368	.01184	.01285	.01049	.01123	.01015	.00922	.01486	.01207
82	General government industry											
84	Household industry											
85	Inventory valuation adjustment											
	Total industry output multiplier	**1.83140**	**2.59361**	**1.64851**	**2.42996**	**2.49453**	**2.47170**	**2.37268**	**2.31541**	**2.13163**	**2.23533**	**2.42815**

*Less than .000005.

Total Requirements, 1992—Continued

of delivery to final demand, at producers' prices]

Newspapers and periodicals	Other printing and publishing	Industrial and other chemicals	Agri-cultural fertilizers and chemicals	Plastics and synthetic materials	Drugs	Cleaning and toilet prepar-ations	Paints and allied products	Petroleum refining and related products	Rubber and miscel-laneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manu-facturing	Primary nonferrous metals manu-facturing	Metal containers	Heating, plumbing, and fabri-cated structural metal products	Screw machine products and stampings	Industry number
26A	26B	27A	27B	28	29A	29B	30	31	32	33+34	35	36	37	38	39	40	41	
0.00083	0.00106	0.00210	0.00505	0.00218	0.00232	0.00484	0.00353	0.00092	0.00178	0.04878	0.00083	0.00095	0.00075	0.00090	0.00101	0.00078	0.00075	1
.00135	.00193	.01136	.00553	.01163	.00516	.00516	.00610	.00161	.00647	.02940	.00192	.00196	.00128	.00189	.00174	.00131	.00121	2
.00105	.00168	.00098	.00119	.00106	.00093	.00111	.00104	.00057	.00728	.00176	.00189	.00098	.00071	.00119	.00083	.00070	.00062	3
.00131	.00139	.00224	.00196	.00223	.00162	.00171	.00172	.00163	.00290	.00521	.00154	.00149	.00134	.00169	.00143	.00121	.00109	4
.00050	.00088	.01452	.00474	.00678	.00098	.00289	.00701	.00168	.00293	.00148	.00268	.00252	.04731	.06971	.03346	.01616	.01449	5+6
.00204	.00317	.00790	.00683	.00756	.00240	.00329	.00443	.00398	.00533	.00354	.01177	.01384	.03182	.00867	.01117	.00869	.00963	7
.01080	.01613	.13701	.10982	.07855	.01389	.03607	.05437	.78847	.03479	.02639	.03289	.04336	.03354	.03102	.02933	.02098	.01986	8
.00129	.00203	.03045	.05925	.01185	.00177	.00508	.00991	.00557	.00489	.00281	.01500	.08471	.00680	.00275	.00313	.00261	.00258	9+10
																		11
.01630	.01882	.03370	.03112	.03345	.01757	.01979	.02268	.05249	.02460	.02513	.02360	.02627	.02827	.02759	.02721	.01925	.02611	12
.00005	.00006	.00050	.00011	.00020	.00006	.00030	.00016	.00006	.00010	.00007	.00007	.00007	.00030	.00038	.00022	.00036	.00071	13
.00346	.00453	.01794	.02417	.01010	.01229	.02016	.01820	.00410	.00622	.16608	.00363	.00400	.00318	.00373	.00469	.00338	.00319	14
.00001	.00001	.00016	.00002	.00005	.00001	.00002	.00004	.00001	.00002	.00001	.00001	.00001	(*)	.00001	.00001	(*)	(*)	15
.00123	.00329	.00182	.00119	.05498	.00133	.00286	.00773	.00070	.02619	.05394	.00161	.00574	.00106	.00252	.00168	.00133	.00141	16
.00129	.00249	.00072	.00066	.00383	.00092	.00196	.00083	.00061	.01330	.03153	.00092	.00067	.00058	.00074	.00063	.00064	.00069	17
.00018	.00027	.00029	.00029	.00050	.00024	.00043	.00028	.00022	.00102	.00858	.00024	.00031	.00033	.00036	.00037	.00030	.00030	18
.00023	.00052	.00031	.00029	.00034	.00025	.00077	.00026	.00031	.00101	.00246	.00029	.00039	.00028	.00029	.00031	.00028	.00059	19
.01371	.02055	.00659	.00621	.00733	.00461	.00687	.00455	.00637	.00971	.00602	.02758	.01170	.00815	.01128	.00826	.00857	.00661	20+21
.00010	.00018	.00012	.00011	.00013	.00010	.00016	.00018	.00010	.00078	.00027	.00607	.00036	.00044	.00036	.00087	.00108	.00077	22+23
.12015	.19351	.01617	.01555	.02928	.02100	.04697	.01249	.00611	.03863	.02458	.03047	.02161	.00660	.00796	.01468	.00930	.01084	24
.00380	.01059	.00870	.00885	.00960	.01484	.04214	.00492	.00275	.01987	.01081	.04791	.00611	.00254	.00428	.00892	.00729	.00809	25
.98826	.04055	.00511	.00753	.00519	.02051	.02078	.00671	.00377	.00462	.01117	.00345	.00434	.00420	.00368	.00467	.00442	.00492	26A
.16827	1.09321	.00899	.01734	.00911	.03163	.02933	.01149	.00667	.00831	.02130	.00613	.00718	.00900	.00724	.02968	.00778	.00848	26B
.02241	.03897	1.10983	.20679	.48463	.05255	.17304	.31034	.05100	.15897	.07405	.06025	.04820	.02776	.06434	.04822	.03136	.02273	27A
.00088	.00139	.02583	1.01396	.02169	.00352	.00527	.00852	.00141	.00614	.00504	.00181	.00153	.00098	.00176	.00149	.00109	.00087	27B
.00597	.01175	.06909	.02857	.89041	.01103	.02394	.12808	.00429	.17987	.02895	.01111	.01248	.00503	.02472	.01480	.00947	.00878	28
.00020	.00034	.00787	.01384	.00308	1.12308	.02378	.00212	.00035	.00112	.00140	.00050	.00041	.00023	.00030	.00031	.00024	.00019	29A
.00111	.00171	.01433	.02991	.01348	.00841	.97670	.00808	.00426	.00476	.00710	.00340	.00390	.00091	.00115	.00120	.00094	.00092	29B
.00050	.00077	.00744	.00214	.00582	.00072	.00227	.98671	.00271	.00476	.00114	.00187	.00292	.00126	.00116	.02425	.00620	.00351	30
.00929	.01296	.09777	.04541	.04795	.01027	.03258	.04434	1.02816	.02500	.02194	.02204	.03475	.02228	.02292	.02148	.01586	.01457	31
.00975	.02550	.02513	.02339	.05988	.03036	.07277	.01942	.00899	1.03603	.05491	.03537	.01799	.01190	.02611	.01784	.02400	.01907	32
.00012	.00035	.00009	.00009	.00011	.00008	.00014	.00007	.00009	.00050	1.24098	.00008	.00009	.00009	.00008	.00009	.00015	.00012	33+34
.00052	.00079	.00219	.00227	.00188	.00585	.00726	.00155	.00316	.00781	.00293	1.07235	.00387	.00098	.00662	.00288	.00756	.00325	35
.00133	.00186	.00578	.00678	.00397	.00230	.00310	.01819	.00709	.00535	.00302	.02182	1.09453	.02442	.00776	.00923	.00908	.01018	36
.00273	.00475	.01606	.01086	.00995	.00404	.00931	.01619	.01661	.01573	.00767	.00895	.02163	1.22139	.04461	.24830	.24289	.27531	37
.00236	.00464	.01192	.00765	.00692	.00350	.00985	.02293	.00463	.00878	.00614	.01045	.00830	.04993	1.43203	.50527	.13982	.08939	38
.00035	.00068	.00815	.00767	.00394	.00242	.01319	.04024	.00161	.00164	.00441	.00074	.00070	.00050	.00073	1.07774	.00077	.00064	39
.00110	.00147	.00295	.00246	.00251	.00129	.00176	.00183	.00316	.00625	.00187	.00345	.00393	.00417	.00504	.00597	1.00446	.00859	40
.00070	.00108	.00158	.00150	.00141	.00194	.00236	.00151	.00105	.00455	.00210	.00280	.00323	.00740	.00378	.00524	.01747	.97677	41
.00303	.00570	.01101	.00733	.00719	.00319	.00699	.00602	.00705	.01317	.01323	.00476	.01189	.02555	.01581	.02775	.04750	.03764	42
.00032	.00049	.00101	.00107	.00085	.00032	.00050	.00071	.00085	.00090	.00048	.00084	.00132	.00232	.00140	.00125	.00316	.00313	43
.00034	.00081	.00243	.00326	.00140	.00041	.00072	.00110	.00289	.00092	.00090	.00090	.00139	.00425	.00464	.00302	.00226	.00331	44+45
.00012	.00016	.00062	.00107	.00038	.00016	.00023	.00031	.00058	.00038	.00020	.00042	.00139	.00111	.00098	.00067	.00124	.00053	46
.00055	.00101	.00215	.00111	.00177	.00065	.00126	.00140	.00103	.00366	.00118	.00605	.00475	.01171	.01428	.00895	.01163	.02609	47
.00149	.00543	.00702	.00172	.00397	.00082	.00188	.00216	.00055	.00499	.00162	.00224	.00079	.00137	.00235	.00148	.00134	.00109	48
.00064	.00100	.00237	.00255	.00212	.00138	.00124	.00164	.00218	.00211	.00109	.00155	.00367	.02450	.01186	.00932	.01149	.01028	49
.00157	.00277	.00640	.00337	.00540	.00183	.00343	.00332	.00348	.00898	.00416	.00697	.00520	.01100	.00910	.01003	.01471	.02699	50
.00221	.00196	.00201	.00190	.00200	.00153	.00150	.00152	.00175	.00178	.00177	.00142	.00185	.00214	.00207	.00204	.00171	.00210	51
.00045	.00053	.00124	.00085	.00099	.00048	.00145	.00068	.00094	.00091	.00066	.00072	.00083	.00143	.00081	.00089	.00537	.00208	52
.00084	.00121	.00274	.00203	.00215	.00102	.00184	.00174	.00193	.00213	.00118	.00377	.00251	.01220	.00693	.00547	.00661	.00621	53
.00011	.00014	.00028	.00018	.00021	.00010	.00016	.00015	.00022	.00020	.00014	.00099	.00017	.00027	.00024	.00021	.00084	.00174	54
.00060	.00106	.00121	.00105	.00133	.00078	.00121	.00477	.00126	.00159	.00111	.00253	.00133	.00239	.00265	.00188	.00136	.00174	55
.00045	.00069	.00046	.00046	.00050	.00040	.00042	.00041	.00047	.00043	.00043	.00036	.00066	.00049	.00055	.00052	.00096	.00096	56
.00292	.00307	.00332	.00319	.00331	.00299	.00281	.00294	.00251	.00406	.00299	.00267	.00287	.00413	.00684	.00490	.00411	.00541	57
.00093	.00086	.00092	.00096	.00090	.00061	.00080	.00082	.00084	.00113	.00087	.00066	.00147	.00118	.00797	.00336	.00153	.00189	58
.00010	.00011	.00015	.00018	.00015	.00010	.00012	.00014	.00012	.00016	.00012	.00015	.00023	.00025	.00019	.00020	.00035	.01142	59A
.00234	.00251	.00320	.00396	.00325	.00190	.00224	.00290	.00265	.00296	.00273	.00292	.00555	.00403	.00487	.00415	.00420	.00815	59B
.00031	.00039	.00074	.00046	.00055	.00035	.00041	.00045	.00033	.00084	.00046	.00038	.00043	.00068	.00074	.00067	.00097	.00082	60
.00022	.00029	.00057	.00069	.00059	.00020	.00037	.00070	.00041	.00064	.00026	.00060	.00077	.00082	.00057	.00056	.00282	.00062	61
.00129	.00232	.00244	.00151	.00153	.00513	.00146	.00129	.00084	.00196	.00106	.00196	.00116	.00238	.00131	.00131	.00411	.00213	62
.00390	.00988	.00258	.00174	.00157	.00185	.00141	.00626	.00083	.00191	.00091	.00082	.00086	.00093	.00090	.00129	.00099	.00106	63
.00193	.00363	.00145	.00134	.00132	.00264	.00287	.00124	.00106	.00249	.00435	.00093	.00186	.00113	.00114	.00118	.00134	.00134	64
.00633	.00908	.01635	.02127	.01739	.00500	.01043	.02444	.00644	.01351	.00691	.01929	.01891	.02370	.01736	.01712	.01171	.01226	65A
.02213	.03525	.04773	.08871	.04918	.01561	.03312	.05467	.01792	.05678	.03777	.03412	.10023	.05180	.06482	.06121	.04239	.04273	65B
.00091	.00146	.00660	.00783	.00665	.00112	.00333	.00647	.00872	.00435	.00188	.00541	.01307	.00922	.00413	.00452	.00318	.00352	65C
.00667	.00747	.00788	.00763	.00854	.00653	.00735	.00738	.00562	.00805	.00894	.00634	.00663	.00844	.00930	.00976	.00788	.00806	65D
.00237	.00321	.00895	.00745	.00661	.00218	.00410	.00616	.03521	.00504	.00385	.00379	.00721	.00505	.00536	.00530	.00378	.00380	65E
.01365	.01160	.01131	.01216	.01402	.01221	.01260	.01159	.01081	.01152	.01260	.00957	.01185	.01080	.01209	.01269	.01155	.01048	66
.00784	.00414	.00354	.00521	.00361	.01499	.01530	.00480	.00262	.00319	.00819	.00239	.00291	.00287	.00251	.00304	.00306	.00345	67
.01188	.01803	.03899	.03192	.04022	.01398	.01799	.02379	.02848	.03361	.02170	.03730	.03898	.05257	.06023	.04703	.02834	.03105	68A
.00644	.01043	.04695	.04484	.03751	.00859	.01474	.02120	.12721	.01889	.01491	.03036	.03676	.03231	.02280	.02330	.01638	.01660	68B
.00104	.00152	.00469	.00417	.00447	.00160	.00210	.00350	.00248	.00242	.00599	.00192	.00230	.00444	.00295	.00300	.00214	.00603	68C
.04965	.06879	.09240	.09377	.09934	.09166	.08892	.09203	.06641	.08616	.09713	.07586	.06838	.11937	.15520	.16158	.11541	.10966	69A
.00216	.00232	.00360	.00383	.00363	.00248	.00527	.00260	.00430	.00366	.00292	.00507	.00400	.00294	.00288	.00319	.00269	.00290	69B
.01819	.01956	.02486	.02912	.02660	.01928	.02182	.02438	.02686	.02363	.02242	.01990	.02306	.02482	.02574	.02878	.02222	.02344	70A
.00447	.00486	.00609	.00666	.00609	.00415	.00497	.00560	.00548	.00556	.00658	.00497	.00684	.00598	.00624	.00671	.00517	.00541	70B
																		71A
.05561	.04643	.05151	.04591	.04087	.02871	.03452	.03287	.15870	.03387	.03464	.02688	.03343	.02893	.03164	.03364	.03173	.02943	71B
.00550	.00590	.00674	.00700	.00727	.00580	.00639	.00695	.00556	.00661	.00662	.00573	.00609	.00661	.00748	.00861	.00669	.00645	72A
.00240	.00324	.00487	.00534	.00608	.00264	.00318	.00347	.00381	.00467	.00372	.00460	.00506	.00716	.00524	.00627	.00390	.00519	72B
.01409	.01058	.01273	.01393	.01436	.00962	.00998	.01142	.01201	.01169	.01431	.01071	.01159	.01556	.01312	.01432	.01136	.01252	73A
.02513	.01590	.04849	.03743	.05514	.04510	.03381	.03574	.04106	.02799	.01887	.01665	.02110	.02061	.02060	.02228	.01863	.02286	73B
.05776	.03956	.04518	.05241	.04724	.05540	.04828	.03797	.03593	.04069	.03951	.03508	.04092	.04751	.04427	.04814	.04941	.04580	73C
.00852	.00450	.00386	.00567	.00393	.01625	.01658	.00522	.00285	.00347	.00888	.00261	.00317	.00313	.00274	.00331	.00334	.00376	73D
.00671	.00741	.00838	.00856	.00907	.00704	.00789	.00852	.00725	.00854	.00964	.00766	.00802	.00856	.00973	.01100	.00900	.00871	74
.00750	.00986	.01184	.01478	.01346	.00657	.00856	.01021	.00840	.01177	.00929	.01061	.01448	.01530	.01351	.01524	.01033	.01205	75
.00526	.00317	.00297	.00373	.00318	.00914	.00933	.00379	.00243	.00276	.00500	.00203	.00238	.00251	.00244	.00306	.00252	.00286	76
.00009	.00007	.00010	.00017	.00011	.00010	.00014	.00012	.00006	.00010	.00083	.00007	.00010	.00010	.00009	.00009	.00008	.00008	77A
.00241	.00284	.00282	.00322	.00397	.00586	.00384	.00264	.00285	.00562	.00240	.00209	.00229	.00254	.00299	.00358	.00277	.00456	77B
.01179	.00611	.00526	.00477	.00530	.00372	.00467	.00429	.00457	.00469	.00587	.00455	.00473	.00587	.00619	.00566	.00469	.00486	78
.00684	.00848	.01556	.01567	.01547	.00565	.00783	.01178	.01480	.01093	.01499	.01128	.01566	.01697	.01606	.01411	.01034	.01413	79
																		82
																		84
																		85
1.78556	1.93363	2.31027	2.33626	2.43631	1.84559	2.08237	2.29400	2.70922	2.19401	2.41323	1.91941	2.06300	2.22002	2.49382	2.83547	2.20014	2.17582	

Table 5.—Industry-by-Commodity

[Total requirements, direct and indirect, per dollar

Industry number	Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Other fabricated metal products	Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metal-working machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Electrical industrial equipment and apparatus
	Commodity number	42	43	44+45	46	47	48	49	50	51	52	53
1	Livestock and livestock products	0.00081	0.00076	0.00081	0.00073	0.00071	0.00077	0.00079	0.00063	0.00077	0.00081	0.00077
2	Other agricultural products	.00150	.00118	.00136	.00115	.00120	.00124	.00135	.00097	.00117	.00144	.00130
3	Forestry and fishery products	.00085	.00057	.00089	.00071	.00076	.00088	.00072	.00045	.00056	.00096	.00075
4	Agricultural, forestry, and fishery services	.00126	.00135	.00133	.00113	.00113	.00123	.00134	.00118	.00131	.00124	.00145
5+6	Metallic ores mining	.01137	.01102	.00905	.00946	.00738	.00799	.00760	.00897	.00261	.00946	.00908
7	Coal mining	.00748	.00730	.00669	.00632	.00543	.00500	.00565	.00537	.00265	.00527	.00499
8	Crude petroleum and natural gas	.02135	.01630	.01682	.01678	.01526	.01459	.01562	.01371	.01003	.01597	.01852
9+10	Nonmetallic minerals mining	.00245	.00224	.00197	.00178	.00319	.00171	.00175	.00157	.00101	.00216	.00393
11	New construction	....										
12	Maintenance and repair construction	.02077	.02145	.01905	.01786	.01830	.01843	.01790	.01853	.02135	.02065	.01847
13	Ordnance and accessories	.00021	.00062	.00020	.00151	.00077	.00033	.00034	.00038	.00015	.00127	.00017
14	Food and kindred products	.00343	.00314	.00333	.00301	.00297	.00319	.00307	.00254	.00316	.00352	.00312
15	Tobacco products	.00001	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills	.00263	.00151	.00202	.00159	.00156	.00170	.00333	.00121	.00137	.00212	.00190
17	Miscellaneous textile goods and floor coverings	.00117	.00081	.00124	.00123	.00065	.00104	.00793	.00183	.00065	.00122	.00090
18	Apparel	.00060	.00078	.00036	.00032	.00036	.00117	.00035	.00022	.00034	.00038	.00030
19	Miscellaneous fabricated textile products	.00077	.00034	.00031	.00027	.00023	.00027	.00026	.00021	.00030	.00027	.00025
20+21	Lumber and wood products	.00819	.00492	.00698	.00653	.00844	.00888	.00610	.00440	.00467	.00914	.00625
22+23	Furniture and fixtures	.00222	.00034	.00069	.00312	.00026	.00023	.00023	.00026	.00075	.00119	.00029
24	Paper and allied products, except containers	.01999	.00793	.00874	.00812	.00856	.01527	.01401	.00668	.01174	.01584	.01524
25	Paperboard containers and boxes	.00874	.00417	.00467	.00345	.00643	.00418	.00721	.00453	.00712	.00759	.00676
26A	Newspapers and periodicals	.00509	.00397	.00529	.00499	.00431	.00505	.00530	.00471	.00704	.00555	.00601
26B	Other printing and publishing	.00958	.00721	.00872	.00838	.00707	.00886	.00849	.00719	.01099	.00877	.00903
27A	Industrial and other chemicals	.03521	.01566	.02080	.01538	.02196	.01701	.01669	.01237	.01501	.02359	.02101
27B	Agricultural fertilizers and chemicals	.00127	.00072	.00089	.00073	.00085	.00076	.00113	.00057	.00075	.00104	.00091
28	Plastics and synthetic materials	.01639	.00763	.01217	.00820	.01004	.00870	.01182	.00583	.00830	.01524	.01329
29A	Drugs	.00027	.00014	.00017	.00014	.00018	.00020	.00014	.00010	.00015	.00024	.00019
29B	Cleaning and toilet preparations	.00127	.00070	.00080	.00069	.00074	.00075	.00081	.00052	.00082	.00165	.00151
30	Paints and allied products	.00751	.00262	.00501	.00253	.00291	.00145	.00159	.00119	.00143	.00458	.00350
31	Petroleum refining and related products	.01550	.01272	.01325	.01374	.01192	.01179	.01227	.01045	.00845	.01252	.01590
32	Rubber and miscellaneous plastics products	.04169	.02576	.05539	.03201	.04032	.03339	.04044	.01428	.02861	.04197	.04073
33+34	Footwear, leather, and leather products	.00023	.00008	.00009	.00008	.00006	.00014	.00007	.00006	.00007	.00008	.00007
35	Glass and glass products	.00252	.00130	.00193	.00131	.00133	.00198	.00120	.00120	.00390	.00197	.00179
36	Stone and clay products	.00872	.01212	.00768	.00754	.01740	.00784	.00853	.00826	.00323	.01179	.03693
37	Primary iron and steel manufacturing	.21255	.19707	.17579	.17412	.12499	.10756	.12457	.11330	.01905	.10468	.08375
38	Primary nonferrous metals manufacturing	.10019	.07085	.04035	.06045	.05962	.08150	.05924	.10010	.03490	.11125	.09053
39	Metal containers	.00128	.00045	.00059	.00045	.00045	.00041	.00040	.00030	.00042	.00061	.00051
40	Heating, plumbing, and fabricated structural metal products	.01229	.01927	.05167	.02536	.01669	.02061	.01895	.01244	.01106	.01498	.00818
41	Screw machine products and stampings	.02623	.04286	.02150	.03483	.03748	.01454	.01627	.01721	.01470	.03846	.02224
42	Other fabricated metal products	.96838	.04392	.02990	.03614	.02504	.03898	.02645	.03446	.01933	.02835	.01959
43	Engines and turbines	.00206	.95753	.05151	.01023	.00251	.00537	.01047	.00500	.00102	.00369	.02693
44+45	Farm, construction, and mining machinery	.00539	.00861	1.01091	.01920	.00626	.00264	.00649	.00548	.00069	.00223	.00238
46	Materials handling machinery and equipment	.00078	.00051	.00307	.95524	.00147	.00206	.00330	.00090	.00028	.00076	.00134
47	Metalworking machinery and equipment	.01159	.01179	.01801	.01344	.93813	.02058	.01207	.02775	.00268	.00962	.00762
48	Special industry machinery and equipment	.00166	.00104	.00293	.01251	.00630	.98760	.00872	.00327	.00106	.00466	.00123
49	General industrial machinery and equipment	.00948	.03794	.04009	.07149	.01833	.04080	1.02921	.02360	.00214	.03163	.01286
50	Miscellaneous machinery, except electrical	.01950	.05389	.03752	.03857	.04326	.04644	.04069	1.00258	.00567	.02961	.01863
51	Computer and office equipment	.00207	.00288	.00204	.00185	.00180	.00314	.00211	.00227	1.15103	.00236	.00544
52	Service industry machinery	.00196	.00125	.00127	.00221	.00087	.00434	.00533	.00126	.00074	1.04822	.00103
53	Electrical industrial equipment and apparatus	.00955	.04653	.01483	.03680	.02553	.04295	.04725	.00738	.02444	.06216	1.00746
54	Household appliances	.00024	.00051	.00042	.00043	.00118	.00049	.00085	.00022	.00029	.00822	.00670
55	Electric lighting and wiring equipment	.00265	.00189	.00161	.00204	.00281	.00192	.00181	.00728	.00428	.00882	.01098
56	Audio, video, and communication equipment	.00054	.00112	.00062	.00122	.00057	.00070	.00057	.00045	.01250	.00099	.00251
57	Electronic components and accessories	.00630	.00979	.00505	.00566	.00479	.01451	.00744	.00731	.34505	.00817	.03915
58	Miscellaneous electrical machinery and supplies	.00150	.01230	.00706	.00492	.00270	.00208	.00213	.00220	.00193	.00183	.00338
59A	Motor vehicles (passenger cars and trucks)	.00038	.00208	.00147	.00067	.00102	.00027	.00028	.00050	.00025	.00056	.00038
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00369	.04281	.01152	.00873	.00506	.00273	.00529	.00520	.00331	.00938	.00500
60	Aircraft and parts	.00307	.06132	.00395	.00130	.00156	.00128	.00207	.00504	.00066	.00131	.00127
61	Other transportation equipment	.00043	.00305	.00264	.00175	.00072	.00070	.00050	.00189	.00033	.00052	.00311
62	Scientific and controlling instruments	.00496	.01255	.00227	.00426	.00378	.00632	.00584	.00330	.00529	.01857	.00826
63	Ophthalmic and photographic equipment	.00092	.00093	.00094	.00091	.00084	.00139	.00129	.00092	.01532	.00109	.00100
64	Miscellaneous manufacturing	.00264	.00100	.00203	.00156	.00124	.00118	.00173	.00095	.00168	.00176	.00123
65A	Railroads and related services; passenger ground transportation	.00979	.00798	.00832	.00746	.00662	.00650	.00642	.00664	.00429	.00760	.00801
65B	Motor freight transportation and warehousing	.03660	.04118	.03928	.03190	.02898	.02871	.02746	.02602	.01458	.03224	.02900
65C	Water transportation	.00309	.00237	.00275	.00209	.00205	.00184	.00186	.00186	.00105	.00211	.00269
65D	Air transportation	.00736	.01101	.00942	.00872	.00698	.00899	.00825	.00762	.01110	.00851	.00816
65E	Pipelines, freight forwarders, and related services	.00344	.00389	.00366	.00321	.00280	.00301	.00289	.00271	.00258	.00322	.00314
66	Communications, except radio and TV	.01127	.01081	.01166	.01219	.01118	.01281	.01230	.00950	.01445	.01170	.01212
67	Radio and TV broadcasting	.00360	.00277	.00374	.00354	.00304	.00357	.00380	.00329	.00493	.00394	.00427
68A	Electric services (utilities)	.03017	.02502	.02349	.02162	.02285	.02142	.02374	.02370	.01753	.02321	.02340
68B	Gas production and distribution (utilities)	.01720	.01282	.01299	.01241	.01144	.01068	.01198	.01115	.00654	.01182	.01243
68C	Water and sanitary services	.00237	.00219	.00184	.00168	.00162	.00148	.00167	.00145	.00120	.00254	.00159
69A	Wholesale trade	.10186	.11066	.12456	.13427	.08347	.11323	.10472	.07528	.16481	.12158	.11325
69B	Retail trade	.00264	.00236	.00232	.00204	.00190	.00203	.00207	.00186	.00235	.00279	.00257
70A	Finance	.02171	.02252	.02247	.02080	.01893	.01982	.02029	.01877	.02376	.02256	.02226
70B	Insurance	.00498	.00510	.00530	.00516	.00448	.00442	.00465	.00425	.00484	.00510	.00457
71A	Owner-occupied dwellings	....										
71B	Real estate and royalties	.02918	.02662	.02605	.02812	.02784	.03016	.02594	.03006	.03737	.02600	.02757
72A	Hotels and lodging places	.00638	.00682	.00676	.00616	.00577	.00622	.00614	.00569	.00717	.00662	.00615
72B	Personal and repair services (except auto)	.00429	.00431	.00390	.00335	.00311	.00306	.00371	.00305	.00295	.00353	.00345
73A	Computer and data processing services	.01183	.01448	.01261	.01024	.00962	.00974	.01086	.00868	.01960	.01245	.01007
73B	Legal, engineering, accounting, and related services	.02047	.01698	.02109	.02196	.01939	.02228	.01988	.01873	.02816	.02012	.01727
73C	Other business and professional services, except medical	.04175	.04083	.04051	.03911	.03538	.03715	.03889	.04003	.04384	.03782	.03927
73D	Advertising	.00392	.00302	.00407	.00385	.00331	.00388	.00413	.00359	.00536	.00428	.00464
74	Eating and drinking places	.00855	.00906	.00901	.00849	.00828	.00870	.00855	.00752	.00874	.00885	.00836
75	Automotive repair and services	.01056	.01030	.00991	.00862	.00839	.00797	.00888	.00772	.00759	.00904	.00849
76	Amusements	.00273	.00254	.00306	.00269	.00231	.00280	.00281	.00262	.00389	.00315	.00310
77A	Health services	.00007	.00007	.00007	.00007	.00006	.00006	.00007	.00007	.00007	.00007	.00007
77B	Educational and social services, and membership organizations	.00268	.00269	.00253	.00222	.00229	.00214	.00229	.00207	.00336	.00333	.00246
78	Federal Government enterprises	.00460	.00446	.00488	.00453	.00390	.00466	.00430	.00356	.00411	.00394	.00434
79	State and local government enterprises	.01041	.00937	.00870	.00992	.00893	.00811	.00909	.00938	.00640	.00915	.00811
82	General government industry											
84	Household industry											
85	Inventory valuation adjustment											
	Total industry output multiplier	**2.08685**	**2.23536**	**2.18521**	**2.12357**	**1.88261**	**2.02455**	**2.02296**	**1.86974**	**2.29318**	**2.19123**	**2.02880**

*Less than .000005.

Total Requirements, 1992—Continued

of delivery to final demand, at producers' prices]

Household appliances	Electric lighting and wiring equipment	Audio, video, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Aircraft and parts	Other transportation equipment	Scientific and controlling instruments	Ophthalmic and photographic equipment	Miscellaneous manufacturing	Railroads and related services; passenger ground transportation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services	Communications, except radio and TV	Industry number
54	55	56	57	58	59A	59B	60	61	62	63	64	65A	65B	65C	65D	65E	66	
0.00103	0.00082	0.00069	0.00072	0.00091	0.00131	0.00090	0.00081	0.00086	0.00089	0.00077	0.00200	0.00063	0.00065	0.00127	0.00214	0.00057	0.00063	1
.00215	.00154	.00116	.00128	.00178	.00304	.00163	.00140	.00179	.00160	.00149	.00491	.00122	.00098	.00162	.00196	.00093	.00101	2
.00131	.00078	.00064	.00057	.00098	.00123	.00096	.00055	.00188	.00061	.00083	.00236	.00078	.00044	.00054	.00049	.00072	.00050	3
.00160	.00126	.00116	.00162	.00176	.00153	.00140	.00156	.00159	.00128	.00109	.00171	.00105	.00077	.00113	.00097	.00076	.00096	4
.00868	.00723	.00353	.00369	.00710	.00743	.01684	.00443	.00626	.00298	.00159	.00632	.00143	.00063	.00084	.00052	.00037	.00049	5+6
.00581	.00482	.00251	.00344	.00418	.00508	.00712	.00305	.00487	.00302	.00330	.00381	.00262	.00191	.00215	.00156	.00216	.00113	7
.02213	.01821	.00930	.01204	.01694	.01983	.01941	.01120	.01536	.00965	.01413	.02058	.08055	.05140	.02680	.08540	.01272	.00542	8
.00442	.00284	.00098	.00156	.00191	.00228	.00238	.00120	.00162	.00113	.00181	.00238	.00188	.00083	.00091	.00100	.00061	.00085	9+10
																		11
.02126	.01852	.01865	.02578	.02043	.02237	.02416	.02016	.01646	.01665	.01655	.01917	.08236	.01988	.02675	.02230	.02928	.05161	12
.00061	.00012	.00259	.00038	.00250	.00038	.00035	.04021	.00019	.01235	.00014	.00009	.00006	.00006	.00008	.00122	.00018	.00009	13
.00422	.00344	.00283	.00295	.00377	.00456	.00369	.00316	.00315	.00340	.00339	.00724	.00256	.00274	.00539	.00981	.00220	.00215	14
.00001	(*)	(*)	(*)	.00001	.00001	(*)	(*)	(*)	(*)	.00001	.00001	(*)	(*)	(*)	(*)	(*)	(*)	15
.00530	.00311	.00215	.00136	.00339	.01990	.00298	.00431	.00488	.00692	.00228	.02269	.00121	.00094	.00342	.00070	.00173	.00074	16
.00209	.00100	.00097	.00062	.00163	.01122	.00189	.00120	.00454	.00590	.00118	.00278	.00071	.00054	.00218	.00031	.00053	.00039	17
.00041	.00032	.00026	.00028	.00034	.00188	.00041	.00047	.00054	.00106	.00024	.00669	.00067	.00025	.00301	.00030	.00028	.00080	18
.00066	.00027	.00024	.00024	.00030	.02529	.00133	.00188	.00469	.00033	.00021	.00311	.00039	.00041	.00356	.00050	.00262	.00023	19
.00855	.00667	.00557	.00511	.00583	.00864	.00867	.00417	.02351	.00511	.00796	.02376	.00944	.00376	.00487	.00407	.00916	.00594	20+21
.00257	.00210	.01161	.00128	.00043	.01753	.00130	.00103	.00210	.00098	.00019	.00193	.00017	.00016	.00014	.00009	.00010	.00031	22+23
.03308	.02318	.01295	.01039	.03884	.01353	.01301	.00657	.00755	.01529	.05565	.03374	.00604	.00568	.00820	.00596	.00830	.00674	24
.01545	.01814	.00545	.00485	.01578	.00735	.00840	.00273	.00365	.00730	.01388	.02320	.00188	.00234	.00172	.00168	.00293	.00160	25
.01039	.00830	.00503	.00619	.00592	.00715	.00906	.00403	.00447	.00674	.00643	.01463	.00372	.00367	.01488	.00709	.00921	.00708	26A
.01462	.01155	.00800	.00908	.00938	.01166	.01320	.00692	.00728	.00994	.00934	.02978	.01109	.00892	.01902	.01224	.01903	.01351	26B
.04964	.03271	.01613	.02706	.04035	.03859	.03074	.01524	.01909	.01743	.04318	.04783	.01242	.00956	.00890	.00890	.00482	.00443	27A
.00198	.00137	.00074	.00101	.00161	.00162	.00121	.00081	.00097	.00084	.00146	.00213	.00057	.00048	.00064	.00055	.00033	.00035	27B
.04510	.03093	.01088	.01031	.02852	.02647	.01785	.01165	.01447	.01328	.02136	.03990	.00395	.00442	.00392	.00196	.00247	.00217	28
.00049	.00028	.00016	.00022	.00031	.00033	.00024	.00030	.00017	.00279	.00126	.00061	.00011	.00010	.00011	.00012	.00006	.00009	29A
.00284	.00236	.00103	.00092	.00159	.00154	.00109	.00066	.00080	.00120	.00182	.00367	.00097	.00068	.00060	.00077	.00038	.00055	29B
.00924	.00154	.00104	.00104	.00123	.01456	.00695	.00313	.00699	.00110	.00077	.00719	.00132	.00103	.00157	.00052	.00049	.00099	30
.01760	.01417	.00763	.00942	.01326	.01656	.01527	.00969	.01294	.00799	.01088	.01739	.10150	.06397	.03121	.10906	.00979	.00536	31
.10791	.04995	.03195	.02689	.07896	.08718	.04410	.03070	.03537	.03106	.03653	.05535	.01395	.02002	.00957	.00557	.00844	.00708	32
.00012	.00008	.00008	.00008	.00010	.00092	.00015	.00015	.00021	.00024	.00006	.00174	.00009	.00009	.00020	.00010	.00020	.00012	33+34
.00459	.02848	.00397	.01242	.00294	.01401	.00357	.00190	.00825	.00614	.00881	.00249	.00201	.00109	.00104	.00087	.00088	.00082	35
.01209	.01621	.00274	.00429	.00537	.00760	.01021	.00566	.00641	.00403	.00252	.00763	.00454	.00170	.00246	.00195	.00157	.00219	36
.10945	.07918	.02253	.02590	.04540	.08198	.15008	.03111	.10217	.02797	.01106	.03703	.02095	.00618	.01075	.00480	.00388	.00500	37
.08455	.08974	.03989	.05248	.09483	.05704	.13549	.05590	.04453	.03307	.01378	.08523	.00864	.00441	.00694	.00399	.00315	.00478	38
.00101	.00055	.00035	.00044	.00060	.00116	.00075	.00042	.00062	.00061	.00054	.00099	.00037	.00031	.00035	.00048	.00016	.00017	39
.00975	.00308	.00864	.00772	.00750	.01022	.02624	.00430	.02670	.00965	.00210	.00483	.00509	.00159	.00281	.00141	.00176	.00282	40
.03716	.03098	.01532	.01477	.01549	.10031	.05288	.01490	.01691	.01536	.01037	.00663	.00274	.00205	.00202	.00154	.00103	.00330	41
.02588	.02932	.02030	.04252	.02851	.03568	.02776	.02693	.02828	.02465	.00793	.01854	.00945	.00633	.01056	.00381	.00407	.00450	42
.00215	.00154	.00053	.00061	.00130	.01574	.00645	.00262	.04541	.00077	.00054	.00080	.00698	.00146	.00854	.00050	.00157	.00218	43
.00178	.00458	.00070	.00086	.00110	.00278	.00411	.00105	.01248	.00086	.00056	.00094	.00110	.00049	.00102	.00058	.00034	.00035	44+45
.00043	.00038	.00021	.00023	.00032	.00050	.00071	.00024	.00085	.00019	.00018	.00029	.00023	.00017	.00020	.00013	.00010	.00009	46
.01057	.00676	.00280	.00398	.00528	.00738	.00851	.01445	.00567	.00382	.00241	.00461	.00239	.00073	.00572	.00112	.00049	.00058	47
.00297	.00137	.00093	.00226	.00153	.00147	.00140	.00089	.00093	.00112	.00141	.00128	.00042	.00034	.00057	.00028	.00033	.00029	48
.00915	.00446	.00210	.00237	.00695	.01060	.02570	.00600	.02843	.00307	.00131	.00360	.00840	.00152	.01476	.00125	.00442	.00311	49
.00858	.00885	.00592	.00837	.02076	.02517	.04977	.02126	.01689	.00791	.00617	.01117	.00499	.00246	.00651	.00334	.00238	.00129	50
.00407	.00313	.03000	.09216	.03254	.00535	.00515	.00813	.00205	.02432	.01033	.00579	.00254	.00177	.00262	.00435	.00824	.00635	51
.02754	.00089	.00090	.00091	.00097	.02022	.01391	.00058	.00491	.00072	.00049	.00079	.00181	.00109	.00103	.00063	.00068	.00084	52
.05145	.04008	.00645	.00687	.02036	.00605	.00707	.00519	.03429	.01367	.00699	.00521	.01426	.00256	.00329	.00123	.00225	.00323	53
.95433	.00124	.00035	.00019	.00054	.00057	.00060	.00018	.00600	.00029	.00044	.00025	.00047	.00012	.00033	.00013	.00015	.00025	54
.01561	.96479	.01005	.00611	.00508	.00823	.00491	.00147	.00480	.00498	.00148	.00165	.00224	.00113	.00123	.00069	.00076	.00167	55
.01831	.00441	.99632	.01868	.01179	.01334	.00240	.01228	.00161	.02197	.00121	.00118	.00072	.00070	.00051	.00107	.00122	.01992	56
.02702	.02226	.27490	1.12852	.11543	.03900	.03895	.04063	.00731	.11361	.04625	.01850	.00461	.00351	.00391	.00696	.00800	.02635	57
.00247	.00794	.01156	.00271	.92071	.02267	.02233	.00238	.00618	.00913	.01476	.00187	.00283	.00250	.00207	.00134	.00296	.00224	58
.00049	.00044	.00025	.00026	.00035	1.00449	.03658	.00026	.02417	.00024	.00019	.00017	.00097	.00058	.00068	.00008	.00012	.00011	59A
.00306	.00312	.00574	.00644	.02753	.29877	1.03862	.00278	.03497	.00241	.00202	.00268	.01483	.01448	.00266	.00169	.00277	.00203	59B
.00147	.00068	.00219	.00065	.00168	.00237	.00266	1.27362	.00534	.02340	.00049	.00080	.00081	.00044	.00090	.03732	.00048	.00042	60
.00050	.00037	.00021	.00025	.00133	.00083	.00144	.00027	1.00985	.00025	.00026	.00235	.01872	.00029	.02513	.00021	.00021	.00014	61
.03846	.01279	.02460	.01199	.01888	.00910	.00508	.06946	.00544	.96109	.01132	.00226	.00104	.00086	.00086	.00260	.00062	.00131	62
.00141	.00113	.00155	.00137	.00408	.00146	.00127	.00149	.00082	.00860	1.02536	.00139	.00087	.00113	.00132	.00103	.00173	.00122	63
.00225	.00537	.00137	.00116	.00154	.00178	.00158	.00110	.00225	.00175	.00128	1.04501	.00132	.00113	.00438	.00148	.00216	.00201	64
.00966	.00768	.00423	.00558	.00725	.01079	.01080	.00460	.00725	.00428	.00669	.00785	.93497	.00632	.00276	.00328	.00269	.00220	65A
.03807	.03087	.01548	.01756	.03311	.04750	.04297	.01927	.03355	.01617	.02053	.03355	.01870	1.20510	.01323	.01082	.01205	.00745	65B
.00267	.00201	.00101	.00137	.00196	.00254	.00285	.00123	.00184	.00109	.00167	.00225	.00351	.00271	1.08001	.00344	.00203	.00051	65C
.00861	.00730	.00821	.00840	.00852	.01400	.01104	.01330	.00900	.00727	.00651	.00775	.00661	.00736	.00588	1.01843	.00865	.00577	65D
.00373	.00305	.00219	.00242	.00326	.00488	.00418	.00308	.00325	.00211	.00242	.00336	.02259	.05047	.05685	.12019	1.02074	.00140	65E
.01336	.01139	.01211	.01179	.01145	.01292	.01185	.00996	.00982	.01214	.01167	.01331	.01458	.02523	.01107	.02527	.03895	1.15840	66
.00757	.00597	.00352	.00436	.00410	.00504	.00652	.00279	.00316	.00470	.00430	.01057	.00232	.00228	.00998	.00492	.00623	.00519	67
.02585	.02395	.01583	.02251	.02464	.02368	.02936	.01727	.01949	.01619	.01443	.02173	.01760	.01446	.01271	.01166	.01710	.00811	68A
.01444	.01300	.00614	.00815	.01114	.01247	.01403	.00705	.01039	.00621	.00895	.01223	.01702	.01154	.00836	.01593	.00378	.00280	68B
.00189	.00177	.00104	.00133	.00225	.00253	.00301	.00156	.00182	.00110	.00129	.00163	.00163	.00665	.00141	.00137	.00090	.00096	68C
.12499	.11564	.10045	.09909	.12717	.16334	.13530	.07089	.09986	.07466	.08836	.13056	.05677	.05496	.03688	.03582	.02301	.02495	69A
.00399	.00362	.00227	.00237	.00297	.00344	.00297	.00189	.00208	.00206	.00244	.00339	.00765	.00742	.00248	.00221	.00260	.00318	69B
.02398	.02099	.02039	.02111	.02304	.04079	.02617	.02405	.02037	.01886	.01947	.02241	.03267	.03515	.05155	.03248	.03700	.02166	70A
.00549	.00471	.00425	.00453	.00497	.00688	.00586	.00457	.00503	.00406	.00411	.00565	.00892	.01580	.00483	.00513	.00868	.00406	70B
																		71A
.02799	.03087	.02837	.03034	.02926	.03485	.02892	.02357	.03290	.02687	.02167	.03608	.04071	.05227	.05553	.04897	.04060	.03333	71B
.00706	.00622	.00610	.00616	.00646	.00848	.00739	.00682	.00616	.00563	.00536	.00637	.00472	.00677	.00412	.00568	.00512	.00512	72A
.00363	.00315	.00277	.00388	.00391	.00526	.00535	.00377	.00296	.00251	.00233	.00334	.00308	.00297	.00235	.00484	.00356	.00936	72B
.01074	.01129	.01309	.01347	.01116	.01264	.01296	.01841	.01129	.01161	.00952	.01017	.02190	.01308	.02169	.04015	.08130	.02148	73A
.02039	.01912	.02307	.02923	.01918	.02884	.02322	.02468	.01830	.02377	.01382	.02201	.02324	.02155	.04358	.03268	.06693	.04630	73B
.04235	.03869	.03759	.04362	.04557	.04694	.04623	.04199	.03573	.04444	.04022	.04591	.04252	.04500	.10727	.04064	.05226	.04096	73C
.00821	.00648	.00383	.00474	.00446	.00548	.00708	.00304	.00343	.00511	.00468	.01146	.00253	.00248	.01086	.00534	.00676	.00514	73D
.00954	.00869	.00777	.00782	.00902	.01085	.00959	.00869	.00845	.00750	.00705	.00901	.00711	.00820	.00519	.02293	.00632	.00613	74
.00968	.00870	.00683	.00839	.00974	.06492	.01382	.00824	.00924	.00630	.00650	.00905	.01396	.06199	.00496	.00555	.00927	.00811	75
.00495	.00392	.00287	.00336	.00308	.00411	.00472	.00258	.00249	.00341	.00322	.00649	.00213	.00259	.00613	.00417	.00464	.02011	76
.00008	.00007	.00006	.00007	.00008	.00009	.00008	.00007	.00007	.00007	.00007	.00009	.00007	.00051	.00015	.00008	.00007	.00006	77A
.00443	.00249	.00305	.00334	.00309	.00604	.00427	.00437	.00249	.00359	.00538	.00631	.00396	.00521	.00617	.00314	.00833	.00284	77B
.00624	.00435	.00432	.00394	.00440	.00627	.00611	.00427	.00372	.00405	.00346	.00694	.00448	.00546	.00469	.00457	.00717	.00621	78
.00936	.00899	.00524	.00676	.00928	.01003	.01069	.00612	.00874	.00622	.00557	.00952	.10729	.01350	.06292	.02772	.00486	.00357	79
																		82
																		84
																		85
2.31873	**2.04670**	**2.00135**	**2.00356**	**2.13526**	**2.78244**	**2.43026**	**2.13896**	**2.07564**	**1.83668**	**1.77404**	**2.14364**	**1.91496**	**1.95438**	**1.94399**	**1.91215**	**1.67145**	**1.67824**	

Table 5.—Industry-by-Commodity

[Total requirements, direct and indirect, per dollar

Industry number	Each entry represents the output required, directly and indirectly, of the industry named at the beginning of the row for each dollar of delivery to final demand of the commodity named at the head of the column	Radio and TV broad-casting	Electric services (utilities)	Gas production and distribution (utilities)	Water and sanitary services	Wholesale trade	Retail trade	Finance	Insurance	Owner-occupied dwellings	Real estate and royalties	Hotels and lodging places
	Commodity number	67	68A	68B	68C	69A	69B	70A	70B	71A	71B	72A
1	Livestock and livestock products	0.00384	0.00044	0.00057	0.00074	0.00086	0.00068	0.00050	0.00076	0.00050	0.00066	0.00148
2	Other agricultural products	.00475	.00103	.00141	.00209	.00122	.00100	.00066	.00091	.00169	.00169	.00247
3	Forestry and fishery products	.0039	.0071	.0093	.00151	.00063	.00038	.00024	.00030	.00036	.00053	.00058
4	Agricultural, forestry, and fishery services	.00229	.00101	.00173	.00318	.00115	.00184	.00088	.00113	.00821	.00596	.00560
5+6	Metallic ores mining	.00031	.00070	.00099	.00149	.00039	.00030	.00019	.00025	.00016	.00028	.00036
7	Coal mining	.00202	.10260	.00257	.00483	.00155	.00301	.00109	.00087	.00025	.00183	.00465
8	Crude petroleum and natural gas	.00707	.04353	.63537	.05643	.01047	.00991	.00551	.00495	.00200	.00674	.01381
9+10	Nonmetallic minerals mining	.00060	.00156	.00220	.00357	.00051	.00055	.00031	.00036	.00077	.00109	.00107
11	New construction											
12	Maintenance and repair construction	.02399	.08975	.12522	.15139	.01254	.02202	.01121	.01347	.05094	.06652	.04241
13	Ordnance and accessories	.00009	.00005	.00005	.00025	.00004	.00004	.00004	.00005	.00001	.00003	.00006
14	Food and kindred products	.00612	.00171	.00216	.00264	.00357	.00251	.00198	.00313	.00042	.00159	.00530
15	Tobacco products	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
16	Broad and narrow fabrics, yarn and thread mills	.00109	.00091	.00055	.00116	.00134	.00070	.00059	.00050	.00019	.00039	.00497
17	Miscellaneous textile goods and floor coverings	.00034	.00052	.00057	.00096	.00046	.00043	.00024	.00026	.00023	.00035	.00117
18	Apparel	.00067	.00016	.00016	.00048	.00149	.00021	.00014	.00015	.00003	.00011	.00163
19	Miscellaneous fabricated textile products	.00038	.00020	.00025	.00038	.00064	.00022	.00063	.00033	.00009	.00019	.00805
20+21	Lumber and wood products	.00394	.00936	.01242	.01999	.00763	.00421	.00257	.00285	.00489	.00689	.00590
22+23	Furniture and fixtures	.00010	.00008	.00010	.00022	.00009	.00012	.00007	.00007	.00003	.00008	.00012
24	Paper and allied products, except containers	.00892	.00339	.00390	.00616	.01404	.01625	.00998	.00924	.00108	.00429	.01102
25	Paperboard containers and boxes	.00172	.00109	.00117	.00225	.00675	.00275	.00132	.00137	.00034	.00085	.00367
26A	Newspapers and periodicals	.01467	.00162	.00207	.00319	.00919	.01514	.00786	.00694	.00056	.00359	.00788
26B	Other printing and publishing	.01887	.00394	.00442	.00683	.02168	.01886	.02045	.01977	.00126	.00664	.01376
27A	Industrial and other chemicals	.00522	.00814	.01318	.02902	.00592	.00483	.00323	.00374	.00158	.00352	.00693
27B	Agricultural fertilizers and chemicals	.00127	.00042	.00073	.00205	.00101	.00047	.00026	.00032	.00160	.00102	.00281
28	Plastics and synthetic materials	.00176	.00216	.00236	.00554	.00257	.00215	.00124	.00166	.00064	.00130	.00340
29A	Drugs	.00015	.00010	.00012	.00029	.00017	.00007	.00005	.00006	.00004	.00006	.00015
29B	Cleaning and toilet preparations	.00055	.00057	.00059	.00098	.00124	.00070	.00037	.00041	.00015	.00041	.00183
30	Paints and allied products	.00055	.00107	.00146	.00222	.00039	.00046	.00024	.00060	.00054	.00081	.00065
31	Petroleum refining and related products	.00672	.02591	.01665	.04852	.01027	.00949	.00485	.00491	.00205	.00558	.00975
32	Rubber and miscellaneous plastics products	.00453	.00642	.00558	.01576	.00854	.00692	.00321	.00551	.00184	.00389	.00892
33+34	Footwear, leather, and leather products	.00043	.00006	.00008	.00009	.00011	.00037	.00014	.00013	.00002	.00008	.00045
35	Glass and glass products	.00061	.00063	.00066	.00192	.00092	.00045	.00044	.00060	.00018	.00042	.00521
36	Stone and clay products	.00126	.00403	.00635	.00990	.00111	.00124	.00070	.00083	.00178	.00331	.00274
37	Primary iron and steel manufacturing	.00267	.00762	.01543	.01311	.00323	.00287	.00167	.00228	.00180	.00294	.00330
38	Primary nonferrous metals manufacturing	.00286	.00542	.00502	.01061	.00372	.00238	.00161	.00216	.00144	.00241	.00274
39	Metal containers	.00026	.00021	.00026	.00047	.00110	.00016	.00012	.00016	.00006	.00013	.00028
40	Heating, plumbing, and fabricated structural metal products	.00140	.00476	.00610	.00797	.00115	.00132	.00071	.00088	.00258	.00321	.00217
41	Screw machine products and stampings	.00094	.00187	.00110	.00327	.00088	.00081	.00054	.00086	.00027	.00061	.00093
42	Other fabricated metal products	.00239	.00390	.00654	.00873	.00272	.00272	.00192	.00279	.00130	.00239	.00286
43	Engines and turbines	.00035	.00597	.00062	.00110	.00035	.00049	.00023	.00033	.00009	.00026	.00052
44+45	Farm, construction, and mining machinery	.00032	.00396	.00244	.00205	.00042	.00031	.00018	.00020	.00055	.00039	.00049
46	Materials handling machinery and equipment	.00008	.00076	.00043	.00024	.00083	.00009	.00006	.00007	.00004	.00008	.00013
47	Metalworking machinery and equipment	.00045	.00110	.00101	.00131	.00075	.00044	.00029	.00035	.00016	.00033	.00053
48	Special industry machinery and equipment	.00029	.00023	.00027	.00050	.00048	.00037	.00025	.00029	.00006	.00017	.00038
49	General industrial machinery and equipment	.00058	.00267	.00199	.00250	.00071	.00064	.00045	.00053	.00033	.00061	.00081
50	Miscellaneous machinery, except electrical	.00120	.00299	.00280	.00863	.00219	.00146	.00072	.00086	.00026	.00086	.00129
51	Computer and office equipment	.00479	.00182	.00358	.00214	.00317	.00170	.00491	.00392	.00028	.00085	.00213
52	Service industry machinery	.00090	.00122	.00190	.00502	.00070	.00077	.00030	.00046	.00063	.00104	.00090
53	Electrical industrial equipment and apparatus	.00197	.00303	.00198	.00279	.00097	.00083	.00074	.00085	.00045	.00084	.00132
54	Household appliances	.00015	.00029	.00039	.00058	.00010	.00013	.00007	.00008	.00015	.00032	.00035
55	Electric lighting and wiring equipment	.00100	.00291	.00232	.00352	.00077	.00100	.00042	.00059	.00087	.00130	.00124
56	Audio, video, and communication equipment	.00252	.00050	.00066	.00164	.00090	.00053	.00061	.00083	.00021	.00048	.00072
57	Electronic components and accessories	.01287	.00262	.00275	.00579	.00945	.00294	.00500	.00426	.00049	.00153	.00333
58	Miscellaneous electrical machinery and supplies	.00316	.00137	.00122	.00315	.00119	.00114	.00145	.00218	.00024	.00062	.00099
59A	Motor vehicles (passenger cars and trucks)	.00010	.00012	.00009	.00112	.00015	.00021	.00007	.00015	.00002	.00008	.00012
59B	Truck and bus bodies, trailers, and motor vehicles parts	.00238	.00210	.00203	.03063	.00375	.00551	.00180	.00354	.00042	.00175	.00291
60	Aircraft and parts	.00028	.00060	.00037	.00078	.00031	.00025	.00027	.00038	.00005	.00019	.00032
61	Other transportation equipment	.00030	.00082	.00025	.00041	.00015	.00015	.00013	.00017	.00005	.00012	.00022
62	Scientific and controlling instruments	.00079	.00126	.00101	.01507	.00058	.00056	.00042	.00075	.00023	.00056	.00097
63	Ophthalmic and photographic equipment	.00252	.00049	.00077	.00115	.00187	.00111	.00258	.00294	.00018	.00072	.00142
64	Miscellaneous manufacturing	.00298	.00101	.00118	.00171	.00208	.00250	.00279	.00221	.00035	.00112	.00284
65A	Railroads and related services; passenger ground transportation	.00255	.02944	.00356	.00549	.00247	.00269	.00219	.00288	.00054	.00198	.00375
65B	Motor freight transportation and warehousing	.00901	.01278	.01105	.30245	.01039	.00943	.01954	.01213	.00286	.00779	.01776
65C	Water transportation	.00059	.00613	.00365	.00336	.00075	.00069	.00048	.00043	.00021	.00053	.00109
65D	Air transportation	.00594	.00431	.00731	.00634	.00679	.00487	.00639	.00875	.00074	.00385	.00662
65E	Pipelines, freight forwarders, and related services	.00155	.00321	.00844	.01324	.00228	.00155	.00191	.00201	.00031	.00116	.01581
66	Communications, except radio and TV	.02913	.00642	.00850	.02470	.02287	.01673	.02248	.03557	.00197	.01188	.02276
67	Radio and TV broadcasting	1.03157	.00103	.00139	.00207	.00616	.01109	.00486	.00462	.00037	.00253	.00499
68A	Electric services (utilities)	.01613	.87766	.01813	.03821	.01161	.02429	.00843	.00645	.00154	.01443	.03770
68B	Gas production and distribution (utilities)	.00392	.04068	1.20954	.04054	.00564	.00569	.00373	.00256	.00083	.00501	.01233
68C	Water and sanitary services	.00163	.00174	.00130	.38823	.00115	.00187	.00171	.00095	.00024	.00297	.00611
69A	Wholesale trade	.02281	.02554	.03309	.05274	1.03790	.01538	.01495	.01511	.00558	.01121	.02254
69B	Retail trade	.00235	.00493	.00731	.01262	.00375	.99817	.00137	.00196	.00285	.00388	.00461
70A	Finance	.02351	.02648	.02580	.02859	.02090	.02713	1.16750	.08827	.02437	.01756	.06988
70B	Insurance	.01066	.00499	.00553	.01409	.00370	.00587	.00624	1.38420	.00995	.00564	.00497
71A	Owner-occupied dwellings									1.00000		
71B	Real estate and royalties	.07037	.03106	.12728	.04596	.04371	.08757	.05257	.07687	.04198	1.06025	.09357
72A	Hotels and lodging places	.00565	.00387	.00531	.00489	.00506	.00468	.00492	.00855	.00063	.00503	1.00594
72B	Personal and repair services (except auto)	.00617	.00149	.00192	.00446	.00349	.00457	.00237	.00268	.00043	.00465	.00873
73A	Computer and data processing services	.02335	.01571	.01001	.01150	.01924	.01161	.04283	.02224	.00184	.00475	.01544
73B	Legal, engineering, accounting, and related services	.03801	.02515	.05955	.05491	.02182	.02084	.04230	.06132	.01073	.02792	.02474
73C	Other business and professional services, except medical	.06516	.02668	.03157	.04435	.06003	.05519	.06163	.07590	.01057	.04021	.09426
73D	Advertising	.01138	.00113	.00152	.00226	.00670	.01203	.00529	.00503	.00041	.00276	.00545
74	Eating and drinking places	.00706	.00481	.00613	.00645	.00601	.00624	.00587	.01019	.00070	.00451	.00836
75	Automotive repair and services	.00952	.00441	.00656	.02349	.00995	.00805	.00549	.02054	.00136	.00809	.00957
76	Amusements	.46014	.00128	.00183	.00222	.00505	.00693	.00373	.00427	.00039	.00209	.00397
77A	Health services	.00026	.00004	.00005	.00018	.00009	.00007	.00009	.00010	.00002	.00006	.00014
77B	Educational and social services, and membership organizations	.00761	.00389	.00217	.00220	.00316	.00223	.00359	.00340	.00029	.00160	.00344
78	Federal Government enterprises	.00671	.03802	.00488	.00672	.00840	.01312	.02630	.01395	.00117	.00595	.01024
79	State and local government enterprises	.00750	.10441	.04841	.41848	.00482	.01080	.00504	.00455	.00135	.02340	.01536
82	General government industry											
84	Household industry											
85	Inventory valuation adjustment											
	Total industry output multiplier	2.05599	1.68276	2.56016	2.08278	1.50700	1.53105	1.63531	1.99695	1.22217	1.43827	1.74514

*Less than .000005.

Total Requirements, 1992—Continued

of delivery to final demand, at producers' prices]

Personal and repair services (exc. auto)	Computer and data processing services	Legal, engineering, accounting, and related services	Other business and professional services, except medical	Advertising	Eating and drinking places	Automotive repair and services	Amusements	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	Non-comparable imports	Scrap, used and second-hand goods	General government industry	Rest-of-the-world adjustment to final uses	Household industry	Inventory valuation adjustment	Industry number
72B	73A	73B	73C	73D	74	75	76	77A	77B	78	79	80	81	82	83	84	85	
0.00091	0.00056	0.00048	0.00084	0.00143	0.05882	0.00067	0.00895	0.00300	0.00415	0.00074	0.00083							1
.00145	.00076	.00066	.00088	.00204	.04675	.00109	.01100	.00315	.00412	.00082	.00302							2
.00045	.00028	.00023	.00029	.00091	.00741	.00051	.00053	.00054	.00083	.00024	.00194							3
.00137	.00114	.00110	.00087	.00143	.00857	.00130	.00445	.00237	.00322	.00039	.00625							4
.00068	.00050	.00019	.00041	.00053	.00065	.00235	.00036	.00053	.00045	.00042	.00136							5+6
.00248	.00113	.00087	.00105	.00214	.00390	.00262	.00254	.00197	.00110	.00657								7
.01252	.00493	.00422	.00811	.01036	.01540	.01861	.00920	.00899	.01123	.00908	.04524							8
.00075	.00040	.00030	.00050	.00114	.00131	.00097	.00074	.00099	.00115	.00032	.00591							9+10
																		11
.01845	.01208	.00969	.00984	.01763	.02403	.01839	.02327	.01567	.05566	.01067	.27640							12
.00007	.00007	.00005	.00031	.00006	.00004	.00010	.00015	.00026	.00006	.00006	.00008							13
.00321	.00223	.00184	.00292	.00391	.27560	.00265	.01193	.01325	.01723	.00331	.00229							14
(*)	(*)	(*)	(*)	.00001	(*)	(*)	(*)	(*)	(*)	(*)	(*)							15
.00623	.00048	.00035	.00060	.00140	.00149	.00184	.00221	.00191	.00132	.00157	.00121							16
.00116	.00026	.00020	.00030	.00107	.00097	.00107	.00050	.00068	.00066	.00043	.00119							17
.00579	.00016	.00012	.00047	.00036	.00033	.00064	.00150	.00161	.00065	.00021	.00079							18
.00311	.00016	.00015	.00019	.00038	.00087	.00110	.00071	.00136	.00059	.00209	.00040							19
.00440	.00272	.00239	.00266	.01117	.00547	.00408	.00477	.00334	.00893	.00202	.02674							20+21
.00015	.00017	.00008	.00009	.00011	.00020	.00129	.00011	.00011	.00013	.00104	.00020							22+23
.01287	.00925	.00825	.01035	.08711	.01944	.00931	.01057	.01108	.02166	.00626	.00627							24
.00311	.00180	.00132	.00283	.00464	.01121	.00333	.00243	.00334	.00339	.00290	.00193							25
.00996	.00537	.00325	.00438	.27007	.01016	.00832	.01461	.00407	.01449	.00161	.00300							26A
.02401	.01763	.01374	.01365	.28886	.01651	.01269	.01981	.01171	.05695	.01677	.00641							26B
.01148	.00489	.00315	.00829	.01965	.01182	.01274	.00649	.02289	.00831	.00330	.02953							27A
.00061	.00035	.00028	.00041	.00097	.00490	.00064	.00280	.00114	.00112	.00022	.00361							27B
.00504	.00223	.00123	.00221	.00592	.00491	.00712	.00236	.00523	.00319	.00142	.00497							28
.00042	.00006	.00005	.00014	.00020	.00139	.00014	.00028	.01569	.00050	.00006	.00027							29A
.01304	.00041	.00047	.00172	.00103	.00132	.00146	.00081	.00193	.00132	.00095	.00104							29B
.00071	.00034	.00024	.00048	.00074	.00070	.00324	.00078	.00104	.00104	.00032	.00313							30
.00993	.00466	.00397	.00829	.00896	.01264	.01911	.00836	.00736	.01034	.00970	.03417							31
.01167	.00730	.00370	.00668	.01322	.01858	.02706	.00572	.01671	.00924	.00328	.01112							32
.00516	.00011	.00027	.00026	.00021	.00015	.00019	.00096	.00021	.00093	.00053	.00009							33+34
.00094	.00114	.00095	.00150	.00069	.00510	.00621	.00064	.00261	.00217	.00039	.00200							35
.00154	.00100	.00075	.00117	.00143	.00315	.00292	.00132	.00150	.00246	.00076	.01844							36
.00560	.00388	.00170	.00379	.00356	.00527	.02353	.00303	.00304	.00416	.00396	.01289							37
.00674	.00612	.00164	.00318	.00315	.00597	.01868	.00320	.00273	.00371	.00332	.01027							38
.00039	.00017	.00011	.00032	.00036	.00711	.00039	.00044	.00059	.00060	.00016	.00048							39
.00152	.00173	.00066	.00092	.00160	.00156	.00396	.00139	.00116	.00281	.00100	.01277							40
.00254	.00213	.00058	.00131	.00096	.00150	.01543	.00102	.00154	.00129	.00151	.00215							41
.00548	.00451	.00186	.00279	.00320	.00369	.01530	.00269	.00282	.00382	.00165	.00821							42
.00043	.00032	.00023	.00080	.00041	.00050	.00490	.00036	.00029	.00036	.00035	.00096							43
.00036	.00023	.00018	.00077	.00035	.00092	.00090	.00045	.00030	.00044	.00023	.00379							44+45
.00011	.00009	.00008	.00051	.00011	.00016	.00019	.00009	.00009	.00011	.00015	.00029							46
.00083	.00064	.00040	.00208	.00071	.00064	.00194	.00048	.00049	.00060	.00045	.00144							47
.00093	.00040	.00030	.00149	.00171	.00106	.00074	.00031	.00044	.00056	.00021	.00052							48
.00129	.00061	.00044	.00203	.00077	.00158	.00376	.00064	.00058	.00079	.00087	.00252							49
.00254	.00151	.00099	.00242	.00200	.00168	.00862	.00134	.00127	.00157	.00300	.01459							50
.00861	.09210	.00569	.00467	.00343	.00138	.00280	.00191	.00398	.00328	.00074	.00176							51
.00454	.00036	.00030	.00077	.00060	.00078	.00776	.00155	.00059	.00108	.00077	.00927							52
.00237	.00362	.00083	.00360	.00171	.00106	.00480	.00099	.00116	.00125	.00063	.00315							53
.00754	.00010	.00007	.00013	.00012	.00016	.00030	.00014	.00013	.00028	.00006	.00100							54
.00105	.00089	.00040	.00078	.00081	.00106	.00404	.00145	.00096	.00163	.00090	.00514							55
.00110	.00232	.00057	.00083	.00111	.00047	.00091	.00112	.00084	.00095	.00024	.00187							56
.01732	.07340	.00502	.01217	.00613	.00259	.00920	.00332	.00561	.00503	.00168	.00339							57
.00141	.00344	.00206	.00168	.00156	.00114	.00684	.00632	.00116	.00156	.00091	.00268							58
.00013	.00009	.00008	.00015	.00012	.00016	.00437	.00013	.00010	.00014	.00060	.00016							59A
.00289	.00207	.00185	.00316	.00280	.00370	.10208	.00302	.00228	.00326	.01655	.00345							59B
.00033	.00035	.00025	.00040	.00031	.00033	.00088	.00027	.00066	.00032	.00126	.00038							60
.00019	.00013	.00016	.00102	.00025	.00027	.00033	.00055	.00016	.00022	.00040	.00053							61
.00195	.00178	.00046	.00104	.00130	.00064	.00183	.00071	.01719	.00169	.00045	.00174							62
.01206	.00225	.00335	.00388	.00524	.00087	.00131	.00140	.00326	.00322	.00058	.00096							63
.01704	.00137	.00201	.00265	.02012	.00278	.00197	.00465	.00154	.00566	.00104	.00234							64
.00299	.00218	.00183	.00281	.00523	.00682	.00475	.00276	.00316	.00323	.00940	.00493							65A
.01510	.00704	.00765	.01043	.01961	.02609	.02003	.00977	.01085	.01345	.02734	.02396							65B
.00102	.00049	.00047	.00078	.00098	.00202	.00140	.00089	.00079	.00086	.00290	.00432							65C
.00589	.00731	.00567	.00729	.00635	.00684	.00786	.00534	.00551	.00630	.03237	.00482							65D
.00200	.00157	.00139	.00190	.00220	.00281	.00427	.00159	.00166	.00199	.00547	.00332							65E
.02130	.03062	.01950	.01964	.03681	.01224	.01800	.01673	.01550	.01792	.00643	.01594							66
.00677	.00338	.00170	.00264	.20324	.00730	.00575	.01034	.00225	.00662	.00073	.00200							67
.01870	.00831	.00655	.00743	.01375	.02923	.01654	.02030	.01176	.01447	.00818	.05151							68A
.00971	.00274	.00247	.00372	.00622	.01107	.00889	.00555	.00549	.00686	.00405	.03839							68B
.00279	.00068	.00069	.00080	.00119	.00329	.00206	.00186	.00178	.00201	.00278	.01933							68C
.03744	.04878	.01406	.02279	.03991	.08506	.06473	.03120	.03036	.03170	.01550	.03766							69A
.00247	.00137	.00121	.00297	.00235	.00386	.00817	.00275	.00208	.00467	.00115	.01354							69B
.02110	.01911	.01967	.01770	.01917	.02382	.22149	.02087	.01600	.02382	.01292	.02918							70A
.00537	.00280	.00300	.00390	.00564	.00531	.00853	.00433	.00577	.00560	.00322	.00723							70B
																		71A
.07788	.04982	.07116	.04307	.05268	.07696	.06990	.09306	.07832	.13562	.02232	.05570							71B
.00495	.00501	.00733	.00631	.00532	.00580	.00608	.00486	.00493	.00553	.00143	.00314							72A
1.04749	.00300	.00205	.00361	.00366	.00526	.01222	.00458	.00376	.00401	.00099	.00338							72B
.01243	1.07042	.03113	.02178	.01447	.00938	.01516	.01083	.01663	.02562	.00481	.01141							73A
.04851	.03167	1.08605	.04214	.03212	.02224	.02419	.03857	.02845	.02879	.00648	.07301							73B
.05637	.05550	.10692	1.05246	.14817	.04707	.05174	.06276	.06140	.07345	.02284	.05155							73C
.00735	.00368	.00190	.00353	.21999	.00793	.00625	.01122	.00247	.00721	.00080	.00219							73D
.00639	.00647	.00543	.00831	.00662	1.01412	.00735	.00652	.01024	.01013	.00316	.00490							74
.00900	.00797	.00667	.00870	.01006	.00931	.85550	.00989	.00832	.00925	.00614	.01207							75
.00462	.00306	.00240	.00376	.00900	.01477	.00424	1.17992	.00872	.00067	.00183								76
.00008	.00007	.00013	.00124	.00013	.00099	.00008	.00053	1.02179	.00016	.00005	.00008							77A
.00520	.00809	.00429	.00432	.00913	.00323	.00270	.00319	.00382	1.00682	.00092	.00214							77B
.00923	.00901	.01253	.00848	.00799	.01225	.01260	.00915	.01236	.01314	1.00160	.00897							78
.00839	.00351	.00364	.00360	.00617	.01081	.01401	.01097	.00590	.00770	.00694	1.01522							79
														1.00000				82
																1.00000		84
																	1.00000	85
1.73151	**1.68485**	**1.52430**	**1.46813**	**1.80247**	**2.08868**	**1.89597**	**1.78416**	**1.59392**	**1.77551**	**1.33821**	**2.11687**			**1.00000**		**1.00000**	**1.00000**	