

Regression Number: 16
Regression Name: Nonlinear Bretton Woods Formula with Population
Quota Review: Eleventh

$$Q = (0.0028 Y - 0.04422 R + 0.01156 P + 0.48769 VC + 2.63217 POP) \times (1 + C/Y)$$

(15.94) (-8.05) (5.42) (10.69) (7.63)

where Q is the actual quota; Y is GDP in a recent year (1994); R is average monthly reserves in a recent year (1994); P and C are the annual average current payments and receipts, respectively, over a recent five year period (1991-94); VC is the variability of current receipts, defined as one standard deviation from a five-year moving average over a recent 13-year period (1982-1994); POP is population in 1994; t-ratios are given in parentheses.

| | | | |
|-----------------------|-------------------------|-----------------------|------------|
| Sample size | 183 | R-squared | 0.97 |
| Description of sample | All Members | Adjusted R-squared | 0.97 |
| Estimation method | Nonlinear Least Squares | S.E. of regression | 583.5 |
| | | SSR (from estimation) | 60,606,730 |

Relative Contributions of Variables in the Estimated Formula
(In percent)

| | |
|-------|-------------|
| Y | 25.8 |
| R | -17.0 |
| P | 21.4 |
| VC | 42.2 |
| POP | 7.2 |
| C/Y | <u>20.4</u> |
| Total | 100.0 |

Table L16. Results of Regression Equation No. 16
(Countries ranked by actual quota under the Eleventh General Review)

| | Actual Quota Amount | Estimated Quota Amount 1/ (In millions of SDRs) | Adjusted Estimated Quota | | Adjusted Estimated Quota Shares | | Residuals' Columns | | Memo Item: Calculated Quotas Based on Existing 5-Formula System | |
|----------------|---------------------|--|--------------------------|--------|---------------------------------|-----------|-----------------------|----------|---|------------------------|
| | | | Quota | Quota | Shares | Shares | (1)-(3) | (4)-(5) | Amount (in mill SDRs) | Shares (In percent) |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | |
| United States | 37,149.3 | 34,789.9 | 36,867.1 | 17.521 | 17.388 | 282.22 | 0.13 | 94,099.0 | 17.251 | |
| Japan | 13,312.8 | 15,599.9 | 16,531.2 | 6.279 | 7.797 | -3,218.44 | -1.52 | 55,658.4 | 10.204 | |
| Germany | 13,008.2 | 16,514.3 | 17,500.3 | 6.135 | 8.254 | -4,492.09 | -2.12 | 49,132.1 | 9.007 | |
| France | 10,738.5 | 11,239.5 | 11,910.5 | 5.065 | 5.617 | -1,172.03 | -0.55 | 30,435.0 | 5.580 | |
| United Kingdom | 10,738.5 | 8,791.5 | 9,316.4 | 5.065 | 4.394 | 1,422.12 | 0.67 | 27,227.4 | 4.992 | |
| Italy | 7,055.5 | 7,686.8 | 8,145.8 | 3.328 | 3.842 | -1,090.28 | -0.51 | 22,804.1 | 4.181 | |
| Saudi Arabia | 6,985.5 | 3,696.0 | 3,916.7 | 3.295 | 1.847 | 3,068.80 | 1.45 | 7,159.1 | 1.312 | |
| Canada | 6,369.2 | 7,717.6 | 8,178.3 | 3.004 | 3.857 | -1,809.14 | -0.85 | 17,830.8 | 3.269 | |
| Russia | 5,945.4 | 6,574.3 | 6,966.8 | 2.804 | 3.286 | -1,021.38 | -0.48 | 10,052.3 | 1.843 | |
| Netherlands | 5,162.4 | 3,901.8 | 4,134.7 | 2.435 | 1.950 | 1,027.67 | 0.49 | 15,442.1 | 2.831 | |
| China | 4,687.2 | 5,422.6 | 5,746.4 | 2.211 | 2.710 | -1,059.16 | -0.50 | 9,042.6 | 1.658 | |
| Belgium | 4,605.2 | 4,969.0 | 5,265.6 | 2.172 | 2.483 | -660.44 | -0.31 | 13,248.5 | 2.429 | |
| India | 4,158.2 | 3,455.7 | 3,662.0 | 1.961 | 1.727 | 496.21 | 0.23 | 4,156.0 | 0.762 | |
| Switzerland | 3,458.5 | 1,555.5 | 1,648.4 | 1.631 | 0.777 | 1,810.09 | 0.85 | 8,697.2 | 1.594 | |
| Australia | 3,236.4 | 2,339.6 | 2,479.3 | 1.526 | 1.169 | 757.10 | 0.36 | 6,554.6 | 1.202 | |
| Spain | 3,048.9 | 2,655.8 | 2,814.3 | 1.438 | 1.327 | 234.57 | 0.11 | 11,343.3 | 2.080 | |
| Brazil | 3,036.1 | 2,491.3 | 2,640.1 | 1.432 | 1.245 | 396.03 | 0.19 | 7,479.9 | 1.371 | |
| Venezuela | 2,659.1 | 1,553.3 | 1,646.1 | 1.254 | 0.776 | 1,013.02 | 0.48 | 2,853.6 | 0.523 | |
| Mexico | 2,585.8 | 2,919.8 | 3,094.1 | 1.220 | 1.459 | -508.28 | -0.24 | 7,246.7 | 1.329 | |
| Sweden | 2,395.5 | 1,616.2 | 1,712.7 | 1.130 | 0.808 | 682.77 | 0.32 | 6,886.0 | 1.262 | |
| Argentina | 2,117.1 | 1,053.5 | 1,116.4 | 0.998 | 0.527 | 1,000.67 | 0.47 | 3,487.7 | 0.639 | |
| Indonesia | 2,079.3 | 2,168.8 | 2,298.3 | 0.981 | 1.084 | -218.98 | -0.10 | 4,318.0 | 0.792 | |
| Austria | 1,872.3 | 1,963.8 | 2,081.0 | 0.883 | 0.981 | -208.70 | -0.10 | 6,972.5 | 1.278 | |
| South Africa | 1,868.5 | 952.9 | 1,009.8 | 0.881 | 0.476 | 858.70 | 0.41 | 2,429.2 | 0.445 | |
| Nigeria | 1,753.2 | 1,983.6 | 2,102.1 | 0.827 | 0.991 | -348.87 | -0.17 | 2,246.8 | 0.412 | |
| Norway | 1,671.7 | 1,509.8 | 1,600.0 | 0.788 | 0.755 | 71.71 | 0.03 | 5,209.6 | 0.955 | |
| Denmark | 1,642.8 | 1,527.5 | 1,618.7 | 0.775 | 0.763 | 24.13 | 0.01 | 5,450.0 | 0.999 | |
| Korea | 1,633.6 | 2,824.4 | 2,993.1 | 0.770 | 1.412 | -1,359.46 | -0.64 | 9,049.7 | 1.659 | |
| Iran | 1,497.2 | 1,844.3 | 1,954.5 | 0.706 | 0.922 | -457.26 | -0.22 | 3,095.9 | 0.568 | |
| Malaysia | 1,486.6 | 856.8 | 907.9 | 0.701 | 0.428 | 578.66 | 0.27 | 5,608.4 | 1.028 | |
| Kuwait | 1,381.1 | 2,204.5 | 2,336.2 | 0.651 | 1.102 | -955.05 | -0.45 | 2,832.9 | 0.519 | |
| Ukraine | 1,372.0 | 1,623.2 | 1,720.1 | 0.647 | 0.811 | -348.08 | -0.16 | 2,172.1 | 0.398 | |
| Poland | 1,369.0 | 1,066.9 | 1,130.6 | 0.646 | 0.533 | 238.40 | 0.11 | 2,657.1 | 0.487 | |
| Finland | 1,263.8 | 1,115.1 | 1,181.7 | 0.596 | 0.557 | 82.08 | 0.04 | 3,463.0 | 0.635 | |
| Algeria | 1,254.7 | 1,153.3 | 1,222.1 | 0.592 | 0.576 | 32.59 | 0.02 | 1,811.0 | 0.332 | |
| Iraq | 1,188.4 | 1,440.6 | 1,526.6 | 0.560 | 0.720 | -338.19 | -0.16 | 1,810.1 | 0.332 | |
| Libya | 1,123.7 | 1,027.8 | 1,089.2 | 0.530 | 0.514 | 34.49 | 0.02 | 1,720.9 | 0.315 | |
| Thailand | 1,081.9 | 655.4 | 694.5 | 0.510 | 0.328 | 387.37 | 0.18 | 4,701.3 | 0.862 | |
| Hungary | 1,038.4 | 489.2 | 518.4 | 0.490 | 0.244 | 520.01 | 0.25 | 1,644.2 | 0.301 | |
| Pakistan | 1,033.7 | 744.9 | 789.4 | 0.488 | 0.372 | 244.31 | 0.12 | 1,131.9 | 0.208 | |

Table I.16. Results of Regression Equation No. 16
(Countries ranked by actual quota under the Eleventh General Review)

| | Actual Quota Amount | Estimated Quota Amount 1/ | Adjusted Estimated Quota | | Actual Quota Shares | Adjusted Estimated Quota Shares | 'Residuals' | Memo Item: | | |
|-------------------------|---------------------|---------------------------|--------------------------|-----------------------|---------------------|---------------------------------|-------------|--|---------|---------|
| | | | Quota | Quota | | | | Calculated Quotas Based on Existing 5-Formula System | | |
| | | | Amount | (In millions of SDRs) | Shares | Shares | Columns | (1)-(3) | (4)-(5) | (8) (9) |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | |
| Romania | 1,030.2 | 846.8 | 897.4 | 0.486 | 0.423 | 132.84 | 0.06 | 1,243.8 | 0.228 | |
| Turkey | 964.0 | 1,200.0 | 1,271.7 | 0.455 | 0.600 | -307.70 | -0.15 | 2,905.9 | 0.533 | |
| Egypt | 943.7 | 562.5 | 596.1 | 0.445 | 0.281 | 347.57 | 0.16 | 2,054.5 | 0.377 | |
| Israel | 928.2 | 482.8 | 511.6 | 0.438 | 0.241 | 416.59 | 0.20 | 2,101.2 | 0.385 | |
| New Zealand | 894.6 | 441.5 | 467.8 | 0.422 | 0.221 | 426.79 | 0.20 | 1,429.0 | 0.262 | |
| Philippines | 879.9 | 692.9 | 734.3 | 0.415 | 0.346 | 145.62 | 0.07 | 1,852.2 | 0.340 | |
| Portugal | 867.4 | 447.2 | 473.9 | 0.409 | 0.224 | 393.46 | 0.19 | 3,046.1 | 0.558 | |
| Singapore | 862.5 | -127.2 | -134.8 | 0.407 | -0.064 | 997.33 | 0.47 | 8,339.7 | 1.529 | |
| Chile | 856.1 | 93.4 | 98.9 | 0.404 | 0.047 | 757.17 | 0.36 | 1,398.3 | 0.256 | |
| Ireland | 838.4 | 882.2 | 934.9 | 0.395 | 0.441 | -96.46 | -0.05 | 3,320.4 | 0.609 | |
| Greece | 823.0 | 373.2 | 395.4 | 0.388 | 0.187 | 427.56 | 0.20 | 2,091.0 | 0.383 | |
| Czech Republic | 819.3 | 769.2 | 815.2 | 0.386 | 0.384 | 4.14 | 0.00 | 1,736.0 | 0.318 | |
| Colombia | 774.0 | 317.3 | 336.2 | 0.365 | 0.159 | 437.76 | 0.21 | 1,324.3 | 0.243 | |
| Bulgaria | 640.2 | 786.9 | 833.9 | 0.302 | 0.393 | -193.69 | -0.09 | 1,046.6 | 0.192 | |
| Peru | 638.4 | 224.3 | 237.7 | 0.301 | 0.112 | 400.68 | 0.19 | 858.3 | 0.157 | |
| United Arab Emirates | 611.7 | 1,091.9 | 1,157.0 | 0.288 | 0.546 | -545.34 | -0.26 | 2,176.5 | 0.399 | |
| Morocco | 588.2 | 260.8 | 276.3 | 0.277 | 0.130 | 311.87 | 0.15 | 919.4 | 0.169 | |
| Bangladesh | 533.3 | 421.7 | 446.9 | 0.252 | 0.211 | 86.43 | 0.04 | 484.4 | 0.089 | |
| Congo, Dem. Republic of | 533.0 | 322.4 | 341.6 | 0.251 | 0.161 | 191.35 | 0.09 | 301.1 | 0.055 | |
| Zambia | 489.1 | 128.0 | 135.6 | 0.231 | 0.064 | 353.48 | 0.17 | 183.3 | 0.034 | |
| FRY (Serbia/Montenegro) | 467.7 | 876.4 | 928.7 | 0.221 | 0.438 | -461.03 | -0.22 | 1,076.3 | 0.197 | |
| Sri Lanka | 413.4 | 153.6 | 162.8 | 0.195 | 0.077 | 250.58 | 0.12 | 426.6 | 0.078 | |
| Belarus | 386.4 | 580.2 | 614.9 | 0.182 | 0.290 | -228.48 | -0.11 | 648.9 | 0.119 | |
| Ghana | 369.0 | 88.2 | 93.4 | 0.174 | 0.044 | 275.57 | 0.13 | 155.5 | 0.029 | |
| Kazakhstan | 365.7 | 697.1 | 738.7 | 0.172 | 0.348 | -372.98 | -0.18 | 1,032.1 | 0.189 | |
| Croatia | 365.1 | 519.4 | 550.4 | 0.172 | 0.260 | -185.33 | -0.09 | 860.9 | 0.158 | |
| Slovak Republic | 357.5 | 417.9 | 442.9 | 0.169 | 0.209 | -85.36 | -0.04 | 748.1 | 0.137 | |
| Zimbabwe | 353.4 | 117.5 | 124.5 | 0.167 | 0.059 | 228.85 | 0.11 | 234.1 | 0.043 | |
| Trinidad and Tobago | 335.6 | 226.6 | 240.2 | 0.158 | 0.113 | 95.45 | 0.05 | 320.4 | 0.059 | |
| Vietnam | 329.1 | 335.7 | 355.7 | 0.155 | 0.168 | -26.60 | -0.01 | 345.7 | 0.063 | |
| Cote d'Ivoire | 325.2 | 247.4 | 262.2 | 0.153 | 0.124 | 62.99 | 0.03 | 379.0 | 0.069 | |
| Sudan | 315.1 | 214.8 | 227.7 | 0.149 | 0.107 | 87.44 | 0.04 | 198.5 | 0.036 | |
| Uruguay | 306.5 | 94.9 | 100.5 | 0.145 | 0.047 | 205.96 | 0.10 | 302.7 | 0.055 | |
| Ecuador | 302.3 | 245.4 | 260.0 | 0.143 | 0.123 | 42.28 | 0.02 | 517.2 | 0.095 | |
| Syrian Arab Republic | 293.6 | 423.5 | 448.8 | 0.138 | 0.212 | -155.21 | -0.07 | 723.7 | 0.133 | |
| Tunisia | 286.5 | 245.2 | 259.8 | 0.135 | 0.123 | 26.66 | 0.01 | 621.4 | 0.114 | |
| Angola | 286.3 | 427.6 | 453.2 | 0.135 | 0.214 | -166.87 | -0.08 | 516.1 | 0.095 | |
| Luxembourg | 279.1 | 733.4 | 777.2 | 0.132 | 0.367 | -498.09 | -0.24 | 1,587.8 | 0.291 | |
| Uzbekistan | 275.6 | 326.8 | 346.3 | 0.130 | 0.163 | -70.68 | -0.03 | 495.4 | 0.091 | |
| Jamaica | 273.5 | 118.1 | 125.2 | 0.129 | 0.059 | 148.33 | 0.07 | 280.5 | 0.051 | |

Table I.16. Results of Regression Equation No. 16
(Countries ranked by actual quota under the Eleventh General Review)

| | Actual Quota Amount | Estimated Quota Amount 1/ | Adjusted Estimated Quota | | Adjusted Quota Shares | Adjusted Quota Shares | 'Residuals' | | Memo Item: Calculated Quotas Based on Existing 5-Formula System | |
|-------------------------------|---------------------|---------------------------|--------------------------|---------------------------|-----------------------|-----------------------|-----------------|---------|---|---------------------|
| | | | Actual Quota Amount 1/ | Estimated Quota Amount 2/ | | | Columns (1)-(3) | (4)-(5) | Amount (in mill SDRs) | Shares (in percent) |
| | | | (In millions of SDRs) | (In percent) | | | (1)-(3) | (4)-(5) | (in mill SDRs) | (in percent) |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | |
| Kenya | 271.4 | 195.1 | 206.7 | 0.128 | 0.097 | 64.70 | 0.03 | 273.7 | 0.050 | |
| Qatar | 263.8 | 314.4 | 333.2 | 0.124 | 0.157 | -69.36 | -0.03 | 509.2 | 0.093 | |
| Myanmar | 258.4 | 309.6 | 328.1 | 0.122 | 0.155 | -69.69 | -0.03 | 628.4 | 0.115 | |
| Yemen, Republic of | 243.5 | 285.3 | 302.3 | 0.115 | 0.143 | -58.81 | -0.03 | 421.6 | 0.077 | |
| Slovenia | 231.7 | 408.8 | 433.2 | 0.109 | 0.204 | -201.54 | -0.10 | 776.9 | 0.142 | |
| Dominican Republic | 218.9 | 190.4 | 201.8 | 0.103 | 0.095 | 17.14 | 0.01 | 370.0 | 0.068 | |
| Brunei Darussalam | 215.2 | 484.8 | 513.7 | 0.101 | 0.242 | -298.55 | -0.14 | 553.7 | 0.102 | |
| Guatemala | 210.2 | 95.3 | 101.0 | 0.099 | 0.048 | 109.22 | 0.05 | 259.9 | 0.048 | |
| Panama | 206.6 | 179.1 | 189.8 | 0.097 | 0.090 | 16.81 | 0.01 | 372.0 | 0.068 | |
| Lebanon | 203.0 | 32.3 | 34.3 | 0.096 | 0.016 | 168.74 | 0.08 | 436.0 | 0.080 | |
| Tanzania | 198.9 | 137.6 | 145.9 | 0.094 | 0.069 | 53.04 | 0.03 | 142.8 | 0.026 | |
| Oman | 194.0 | 496.7 | 526.4 | 0.091 | 0.248 | -332.36 | -0.16 | 833.6 | 0.153 | |
| Cameroon | 185.7 | 203.2 | 215.3 | 0.088 | 0.102 | -29.64 | -0.01 | 285.3 | 0.052 | |
| Uganda | 180.5 | 87.6 | 92.9 | 0.085 | 0.044 | 87.63 | 0.04 | 86.5 | 0.016 | |
| Bolivia | 171.5 | 86.2 | 91.3 | 0.081 | 0.043 | 80.16 | 0.04 | 155.4 | 0.028 | |
| El Salvador | 171.3 | 70.3 | 74.5 | 0.081 | 0.035 | 96.80 | 0.05 | 192.5 | 0.035 | |
| Jordan | 170.5 | 155.3 | 164.5 | 0.080 | 0.078 | 5.98 | 0.00 | 434.1 | 0.080 | |
| Bosnia-Herzegovina | 169.1 | 254.7 | 269.9 | 0.080 | 0.127 | -100.79 | -0.05 | 392.5 | 0.072 | |
| Costa Rica | 164.1 | 85.0 | 90.0 | 0.077 | 0.042 | 74.07 | 0.04 | 282.4 | 0.052 | |
| Afghanistan, Islamic State of | 161.9 | 72.8 | 77.2 | 0.076 | 0.036 | 84.73 | 0.04 | 54.2 | 0.010 | |
| Senegal | 161.8 | 101.2 | 107.2 | 0.076 | 0.051 | 54.58 | 0.03 | 158.8 | 0.029 | |
| Azerbaijan | 160.9 | 248.3 | 263.1 | 0.076 | 0.124 | -102.19 | -0.05 | 251.2 | 0.046 | |
| Gabon | 154.3 | 271.8 | 288.0 | 0.073 | 0.136 | -133.72 | -0.06 | 383.3 | 0.070 | |
| Georgia | 150.3 | 91.6 | 97.1 | 0.071 | 0.046 | 53.24 | 0.03 | 108.4 | 0.020 | |
| Lithuania | 144.2 | 207.6 | 220.0 | 0.068 | 0.104 | -75.78 | -0.04 | 326.3 | 0.060 | |
| Cyprus | 139.6 | 80.7 | 85.5 | 0.066 | 0.040 | 54.12 | 0.03 | 330.5 | 0.061 | |
| Namibia | 136.5 | 97.5 | 103.3 | 0.064 | 0.049 | 33.19 | 0.02 | 190.9 | 0.035 | |
| Bahrain | 135.0 | 315.0 | 333.9 | 0.064 | 0.157 | -198.86 | -0.09 | 589.0 | 0.108 | |
| Ethiopia | 133.7 | 218.7 | 231.7 | 0.063 | 0.109 | -98.02 | -0.05 | 131.9 | 0.024 | |
| Papua New Guinea | 131.6 | 127.0 | 134.5 | 0.062 | 0.063 | -2.94 | 0.00 | 232.4 | 0.043 | |
| Bahamas, The | 130.3 | 91.9 | 97.4 | 0.061 | 0.046 | 32.92 | 0.02 | 190.5 | 0.035 | |
| Nicaragua | 130.0 | 49.3 | 52.2 | 0.061 | 0.025 | 77.76 | 0.04 | 85.1 | 0.016 | |
| Honduras | 129.5 | 72.3 | 76.6 | 0.061 | 0.036 | 52.86 | 0.03 | 138.7 | 0.025 | |
| Liberia | 129.2 | 27.5 | 29.2 | 0.061 | 0.014 | 100.05 | 0.05 | 33.8 | 0.006 | |
| Latvia | 126.8 | 152.4 | 161.4 | 0.060 | 0.076 | -34.65 | -0.02 | 253.1 | 0.046 | |
| Moldova | 123.2 | 136.1 | 144.2 | 0.058 | 0.068 | -21.02 | -0.01 | 163.5 | 0.030 | |
| Madagascar | 122.2 | 73.5 | 77.9 | 0.058 | 0.037 | 44.29 | 0.02 | 75.4 | 0.014 | |
| Iceland | 117.6 | 59.1 | 62.7 | 0.055 | 0.030 | 54.95 | 0.03 | 197.3 | 0.036 | |
| Mozambique | 113.6 | 75.5 | 80.0 | 0.054 | 0.038 | 33.62 | 0.02 | 76.9 | 0.014 | |
| Guinea | 107.1 | 65.3 | 69.2 | 0.051 | 0.033 | 37.92 | 0.02 | 104.8 | 0.019 | |

Table I.16. Results of Regression Equation No. 16
(Countries ranked by actual quota under the Eleventh General Review)

| | Actual Quota Amount | Estimated Quota Amount 1/ (In millions of SDRs) | Adjusted Estimated Quota Shares | | Adjusted Estimated Quota Shares | | 'Residuals' | | Memo Item: Calculated Quotas Based on Existing 5-Formula System | |
|---------------------------|------------------------|---|---|--------|------------------------------------|---------|--------------------|--------------------|---|------------------------|
| | | | Quota Amount 2/ (In millions of SDRs) | Shares | Quota Shares | Shares | Columns (1)-(3) | Columns (4)-(5) | Amount (in mill SDRs) | Shares (In percent) |
| | | | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
| Sierra Leone | 103.7 | 26.7 | 28.2 | 0.049 | 0.013 | 75.45 | 0.04 | 27.8 | 0.005 | |
| Malta | 102.0 | 10.0 | 10.6 | 0.048 | 0.005 | 91.41 | 0.04 | 315.3 | 0.058 | |
| Mauritius | 101.6 | 43.9 | 46.5 | 0.048 | 0.022 | 55.08 | 0.03 | 199.2 | 0.037 | |
| Paraguay | 99.9 | 70.6 | 74.8 | 0.047 | 0.035 | 25.13 | 0.01 | 197.0 | 0.036 | |
| Mali | 93.3 | 51.3 | 54.4 | 0.044 | 0.026 | 38.92 | 0.02 | 69.8 | 0.013 | |
| Suriname | 92.1 | 86.5 | 91.7 | 0.043 | 0.043 | 0.43 | 0.00 | 97.8 | 0.018 | |
| Armenia | 92.0 | 95.4 | 101.1 | 0.043 | 0.048 | -9.10 | 0.00 | 101.8 | 0.019 | |
| Guyana | 90.9 | 20.3 | 21.5 | 0.043 | 0.010 | 69.40 | 0.03 | 61.1 | 0.011 | |
| Kyrgyz Republic | 88.8 | 129.6 | 137.3 | 0.042 | 0.065 | -48.54 | -0.02 | 143.3 | 0.026 | |
| Cambodia | 87.5 | 41.2 | 43.7 | 0.041 | 0.021 | 43.85 | 0.02 | 34.9 | 0.006 | |
| Tajikistan | 87.0 | 229.6 | 243.3 | 0.041 | 0.115 | -156.31 | -0.07 | 225.4 | 0.041 | |
| Congo, Republic of | 84.6 | 181.7 | 192.6 | 0.040 | 0.091 | -107.97 | -0.05 | 228.0 | 0.042 | |
| Haiti | 81.9 | 43.4 | 46.0 | 0.039 | 0.022 | 35.90 | 0.02 | 42.8 | 0.008 | |
| Somalia | 81.7 | 32.7 | 34.6 | 0.039 | 0.016 | 47.07 | 0.02 | 17.3 | 0.003 | |
| Rwanda | 80.1 | 37.7 | 39.9 | 0.038 | 0.019 | 40.20 | 0.02 | 31.4 | 0.006 | |
| Burundi | 77.0 | 24.2 | 25.7 | 0.036 | 0.012 | 51.31 | 0.02 | 30.5 | 0.006 | |
| Turkmenistan | 75.2 | 143.0 | 151.5 | 0.035 | 0.071 | -76.29 | -0.04 | 272.1 | 0.050 | |
| Togo | 73.4 | 32.5 | 34.5 | 0.035 | 0.016 | 38.95 | 0.02 | 47.4 | 0.009 | |
| Nepal | 71.3 | 73.4 | 77.8 | 0.034 | 0.037 | -6.51 | 0.00 | 100.5 | 0.018 | |
| Fiji | 70.3 | 48.3 | 51.2 | 0.033 | 0.024 | 19.15 | 0.01 | 109.7 | 0.020 | |
| Malawi | 69.4 | 72.4 | 76.8 | 0.033 | 0.036 | -7.36 | 0.00 | 74.3 | 0.014 | |
| Macedonia, FYR | 68.9 | 76.4 | 81.0 | 0.032 | 0.038 | -12.08 | -0.01 | 144.4 | 0.026 | |
| Barbados | 67.5 | 66.6 | 70.6 | 0.032 | 0.033 | -3.09 | 0.00 | 120.1 | 0.022 | |
| Niger | 65.8 | 57.5 | 61.0 | 0.031 | 0.029 | 4.84 | 0.00 | 67.3 | 0.012 | |
| Estonia | 65.2 | 92.4 | 98.0 | 0.031 | 0.046 | -32.77 | -0.02 | 167.1 | 0.031 | |
| Mauritania | 64.4 | 32.4 | 34.4 | 0.030 | 0.016 | 30.04 | 0.01 | 52.9 | 0.010 | |
| Botswana | 63.0 | -75.8 | -80.3 | 0.030 | -0.038 | 143.32 | 0.07 | 358.4 | 0.066 | |
| Benin | 61.9 | 51.0 | 54.1 | 0.029 | 0.026 | 7.82 | 0.00 | 73.3 | 0.013 | |
| Burkina Faso | 60.2 | 48.5 | 51.4 | 0.028 | 0.024 | 8.80 | 0.00 | 64.3 | 0.012 | |
| Chad | 56.0 | 37.2 | 39.4 | 0.026 | 0.019 | 16.58 | 0.01 | 42.2 | 0.008 | |
| Central African Republic | 55.7 | 18.7 | 19.8 | 0.026 | 0.009 | 35.88 | 0.02 | 35.6 | 0.007 | |
| Lao, People's Dem. Republ | 52.9 | 26.8 | 28.4 | 0.025 | 0.013 | 24.52 | 0.01 | 34.8 | 0.006 | |
| Mongolia | 51.1 | 67.8 | 71.8 | 0.024 | 0.034 | -20.74 | -0.01 | 85.8 | 0.016 | |
| Swaziland | 50.7 | 39.4 | 41.8 | 0.024 | 0.020 | 8.94 | 0.00 | 108.7 | 0.020 | |
| Albania | 48.7 | 59.2 | 62.7 | 0.023 | 0.030 | -13.99 | -0.01 | 86.4 | 0.016 | |
| Lesotho | 34.9 | 38.7 | 41.0 | 0.016 | 0.019 | -6.13 | 0.00 | 93.8 | 0.017 | |
| Equatorial Guinea | 32.6 | 5.5 | 5.8 | 0.015 | 0.003 | 26.77 | 0.01 | 8.2 | 0.001 | |
| Gambia, The | 31.1 | 15.9 | 16.8 | 0.015 | 0.008 | 14.25 | 0.01 | 29.2 | 0.005 | |
| Belize | 18.8 | 23.2 | 24.6 | 0.009 | 0.012 | -5.81 | 0.00 | 39.9 | 0.007 | |
| San Marino | 17.0 | 39.4 | 41.7 | 0.008 | 0.020 | -24.72 | -0.01 | 90.8 | 0.017 | |

Table L16. Results of Regression Equation No. 16
(Countries ranked by actual quota under the Eleventh General Review)

| | Actual Quota Amount | Estimated Quota Amount 1/ (In millions of SDRs) | Adjusted Estimated Quota Amount 2/ (In millions of SDRs) | Actual Quota Shares | Adjusted Estimated Quota Shares | 'Residuals' | | Memo Item: Calculated Quotas Based on Existing 5-Formula System | |
|--------------------------------|------------------------|---|--|------------------------|------------------------------------|--------------|---------|---|------------------------|
| | | | | | | Columns | | Amount (in mill SDRs) | Shares (In percent) |
| | | | | | | (1)-(3) | (4)-(5) | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Vanuatu | 17.0 | 7.3 | 7.8 | 0.008 | 0.004 | 9.22 | 0.00 | 16.2 | 0.003 |
| Djibouti | 15.9 | 13.4 | 14.2 | 0.007 | 0.007 | 1.72 | 0.00 | 29.1 | 0.005 |
| Eritrea | 15.9 | 20.3 | 21.5 | 0.007 | 0.010 | -5.59 | 0.00 | 30.6 | 0.006 |
| St. Lucia | 15.3 | 10.7 | 11.3 | 0.007 | 0.005 | 3.98 | 0.00 | 33.3 | 0.006 |
| Guinea-Bissau | 14.2 | 8.3 | 8.8 | 0.007 | 0.004 | 5.38 | 0.00 | 9.9 | 0.002 |
| Antigua and Barbuda | 13.5 | 19.3 | 20.5 | 0.006 | 0.010 | -6.95 | 0.00 | 51.9 | 0.010 |
| Grenada | 11.7 | 8.1 | 8.5 | 0.006 | 0.004 | 3.16 | 0.00 | 16.6 | 0.003 |
| Samoa | 11.6 | 3.7 | 3.9 | 0.005 | 0.002 | 7.68 | 0.00 | 11.6 | 0.002 |
| Solomon Islands | 10.4 | 11.5 | 12.2 | 0.005 | 0.006 | -1.82 | 0.00 | 19.9 | 0.004 |
| Cape Verde | 9.6 | 5.4 | 5.7 | 0.005 | 0.003 | 3.88 | 0.00 | 15.5 | 0.003 |
| Comoros | 8.9 | 5.3 | 5.6 | 0.004 | 0.003 | 3.29 | 0.00 | 10.4 | 0.002 |
| St. Kitts and Nevis | 8.9 | 3.3 | 3.5 | 0.004 | 0.002 | 5.37 | 0.00 | 12.8 | 0.002 |
| Seychelles | 8.8 | 9.8 | 10.4 | 0.004 | 0.005 | -1.58 | 0.00 | 24.6 | 0.005 |
| St. Vincent and the Grenadines | 8.3 | 7.6 | 8.1 | 0.004 | 0.004 | 0.22 | 0.00 | 16.2 | 0.003 |
| Dominica | 8.2 | 3.8 | 4.0 | 0.004 | 0.002 | 4.15 | 0.00 | 11.2 | 0.002 |
| Maldives | 8.2 | 9.6 | 10.2 | 0.004 | 0.005 | -2.00 | 0.00 | 23.9 | 0.004 |
| Sao Tome and Principe | 7.4 | 1.6 | 1.7 | 0.003 | 0.001 | 5.71 | 0.00 | 3.2 | 0.001 |
| Tonga | 6.9 | 3.9 | 4.2 | 0.003 | 0.002 | 2.75 | 0.00 | 10.0 | 0.002 |
| Bhutan | 6.3 | 7.1 | 7.5 | 0.003 | 0.004 | -1.21 | 0.00 | 14.4 | 0.003 |
| Kiribati | 5.6 | -12.4 | -13.1 | 0.003 | -0.006 | 18.75 | 0.01 | 13.6 | 0.002 |
| Micronesia, Fed. States of | 5.1 | 4.0 | 4.2 | 0.002 | 0.002 | 0.90 | 0.00 | 13.1 | 0.002 |
| Marshall Islands | 3.5 | 3.4 | 3.6 | 0.002 | 0.002 | -0.11 | 0.00 | 7.8 | 0.001 |
| Palau, Republic of | 3.1 | 1.9 | 2.0 | 0.001 | 0.001 | 1.07 | 0.00 | 5.7 | 0.001 |
| Total | 212,029.0 | 200,083.0 | 212,029.0 | 100.0 | 100.0 | 0.0 | 0.0 | 545,459.1 | 100.0 |
| Memo: Sum of squared residuals | | | | | | 68,738,429.6 | 15.29 | | |

1/ Based on the "estimate" generated by the regression equation.

2/ Based on the estimated quotas shown in Col. (2) but adjusted so that their total equals the total of actual quotas.

By WEO Classification

| | | | | | | | | | |
|--|-----------|-----------|-----------|--------|--------|------------|-------|-----------|--------|
| Advanced Economies | 133,990.9 | 131,649.5 | 139,509.6 | 63.195 | 65.797 | -5,518.70 | -2.60 | 411,706.7 | 75.479 |
| Major Industrial Countries | 98,372.0 | 102,339.4 | 108,449.6 | 46.396 | 51.148 | -10,077.63 | -4.75 | 297,186.9 | 54.484 |
| Other Advanced Economies | 35,618.9 | 29,310.0 | 31,060.0 | 16.799 | 14.649 | 4,558.94 | 2.15 | 114,519.8 | 20.995 |
| Developing Countries | 61,922.5 | 50,466.5 | 53,479.6 | 29.205 | 25.223 | 8,442.86 | 3.98 | 104,840.4 | 19.221 |
| Net Creditors | 10,775.0 | 9,316.1 | 9,872.4 | 5.082 | 4.656 | 902.63 | 0.43 | 15,785.9 | 2.894 |
| Net Debtors | 51,147.5 | 41,150.4 | 43,607.3 | 24.123 | 20.567 | 7,540.22 | 3.56 | 89,054.5 | 16.327 |
| of which HIPC or least developed countries | 7,567.4 | 5,201.4 | 5,511.9 | 3.569 | 2.600 | 2,055.47 | 0.97 | 7,210.5 | 1.322 |
| Transition Economies | 16,115.6 | 17,967.0 | 19,039.8 | 7.601 | 8.980 | -2,924.16 | -1.38 | 28,912.1 | 5.301 |
| Total | 212,029.0 | 200,083.0 | 212,029.0 | 100.0 | 100.0 | 0.0 | 0.0 | 545,459.1 | 100.0 |