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# PART THREE

## STATISTICAL APPENDIX

For the user's convenience, as well as to lighten the text, the *Economic Survey of Europe* includes a set of appendix tables showing time series for the main economic indicators over a longer period. The data are presented in two sections, following the structure of the text: *Appendix A* provides macroeconomic indicators for the market economies of western Europe and North America for 1985-1998, *Appendix B* does the same for the east European countries, the Baltic states and the Commonwealth of Independent States for 1980-1999.

Re-estimated historical series are not yet available for all the transition economies, and longer time series could in some instances be obtained only by splicing older data with the new statistics (as explained in the notes to the tables). For the market economies of western Europe and North America data for the more recent years may also be subject to revision as more comprehensive benchmark figures become available.

Data were compiled from international and national statistical sources. Details on recent changes in national accounts methodology were provided in chapter 7 of the previous issue of this *Survey*. Aggregates are UN/ECE secretariat calculations, using PPPs obtained from the 1996 European Comparison Programme. The figures for 1999 are based on data available at mid-October 2000.

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APPENDIX TABLE A.1

**Real GDP in western Europe and North America, 1985-1999**  
(Percentage change over preceding year)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Western Europe</b> .....	2.6	3.0	3.1	4.1	3.3	3.4	1.7	1.4	0.1	2.4	2.6	1.9	2.8	2.7	2.0
<b>4 major countries</b> .....	2.5	2.8	2.7	4.3	3.3	3.1	1.9	1.3	-0.3	2.7	2.2	1.3	2.1	2.3	2.0
France <sup>a</sup> .....	1.5	2.4	2.5	4.6	4.2	2.6	1.0	1.5	-0.9	2.1	1.7	1.1	1.9	3.1	2.9
Germany <sup>b</sup> .....	2.0	2.3	1.5	3.7	3.6	5.7	5.1	2.2	-1.1	2.3	1.7	0.8	1.4	2.1	1.6
Italy .....	3.0	2.5	3.0	3.9	2.9	2.0	1.4	0.8	-0.9	2.2	2.9	1.1	1.8	1.5	1.4
United Kingdom .....	3.8	4.2	4.4	5.2	2.1	0.7	-1.5	0.1	2.3	4.4	2.8	2.6	3.5	2.6	2.1
<b>17 smaller countries</b> .....	2.8	3.3	3.9	3.6	3.5	4.0	1.5	1.6	0.7	1.8	3.4	3.1	4.1	3.5	2.2
Austria .....	2.2	2.3	1.7	3.2	4.2	4.6	3.4	1.3	0.5	2.4	1.7	2.0	1.2	2.9	2.1
Belgium .....	1.0	1.8	2.7	4.6	3.6	2.8	1.9	1.6	-1.5	3.0	2.6	1.2	3.4	2.4	2.7
Cyprus .....	4.7	3.8	7.0	8.5	7.9	7.4	0.6	9.7	0.7	5.9	6.1	1.9	2.4	5.0	4.5
Denmark .....	3.9	4.0	-0.3	0.8	0.2	1.0	1.1	0.6	-	5.5	2.8	2.5	3.1	2.5	1.7
Finland .....	3.1	2.5	4.2	4.7	5.1	-	-6.3	-3.3	-1.1	4.0	3.8	4.0	6.3	5.5	4.0
Greece .....	3.1	1.6	-0.5	4.5	3.8	-	3.1	0.7	-1.6	2.0	2.1	2.4	3.4	3.7	3.2
Iceland .....	3.3	6.3	8.5	-0.1	0.3	1.2	1.1	-3.3	1.0	3.7	1.0	5.6	5.3	4.7	4.4
Ireland .....	3.1	-0.4	4.7	5.2	5.8	8.5	1.9	3.3	2.7	5.8	9.7	7.7	10.7	8.6	9.8
Israel <sup>a</sup> .....	3.6	3.6	6.2	3.4	1.4	6.3	5.7	6.8	3.4	6.9	8.3	4.6	2.9	2.2	2.3
Luxembourg .....	2.9	7.8	2.3	10.4	9.8	2.2	6.1	4.5	8.7	4.2	3.8	2.9	7.3	5.0	4.9
Malta .....	2.6	3.9	4.1	8.4	8.2	6.3	6.3	4.7	4.5	5.7	6.2	4.0	4.9	3.4	4.2
Netherlands .....	3.1	2.8	1.4	2.6	4.7	4.1	2.3	2.0	0.8	3.2	2.3	3.0	3.8	4.1	3.9
Norway <sup>a</sup> .....	5.2	3.6	2.0	-0.1	0.9	2.0	3.1	3.3	2.7	5.5	3.8	4.9	4.7	2.0	0.9
Portugal .....	2.8	4.1	6.4	7.5	5.4	4.8	2.4	1.9	-1.4	2.5	3.7	3.6	3.7	3.5	3.0
Spain .....	1.7	3.2	5.6	5.2	4.7	3.7	2.3	0.7	-1.2	2.3	2.7	2.4	3.9	4.3	4.0
Sweden .....	1.9	2.3	3.1	2.3	2.4	1.4	-1.1	-1.4	-2.2	4.1	3.7	1.1	2.0	3.0	3.8
Switzerland .....	3.4	1.6	0.7	3.1	4.3	3.7	-0.8	-0.1	-0.5	0.5	0.5	0.3	1.7	2.1	1.5
Turkey .....	4.2	7.0	9.5	2.1	0.3	9.3	0.9	6.0	8.0	-5.5	7.2	7.0	7.5	3.1	-5.0
<b>North America</b> .....	4.0	3.4	3.5	4.2	3.4	1.6	-0.6	2.9	2.6	4.1	2.7	3.4	4.4	4.3	4.3
Canada .....	5.4	2.6	4.1	4.9	2.5	0.3	-1.9	0.9	2.3	4.7	2.8	1.5	4.4	3.3	4.5
United States <sup>a</sup> .....	3.8	3.4	3.4	4.2	3.5	1.8	-0.5	3.0	2.7	4.0	2.7	3.6	4.4	4.4	4.2
<b>Total above</b> .....	3.3	3.2	3.3	4.1	3.4	2.5	0.6	2.1	1.4	3.3	2.7	2.7	3.6	3.5	3.1
Japan .....	4.4	2.9	4.2	6.2	4.8	5.1	3.8	1.0	0.3	0.6	1.5	5.0	1.6	-2.5	0.2
<b>Total above, including Japan ..</b>	3.5	3.1	3.4	4.5	3.6	2.9	1.1	2.0	1.2	2.8	2.5	3.0	3.3	2.6	2.7
<i>Memorandum items:</i>															
European Union <sup>c</sup> .....	2.4	2.8	2.9	4.2	3.5	3.1	1.8	1.2	-0.4	2.8	2.4	1.7	2.5	2.7	2.4
Euro area .....	2.1	2.5	2.7	4.2	3.9	3.8	2.6	1.5	-0.8	2.4	2.3	1.5	2.3	2.7	2.4

*Source:* Eurostat; OECD; national statistics.

*Note:* All aggregates exclude Israel. Growth rates of regional aggregates have been calculated as weighted averages of growth rates in individual countries. Weights were derived from 1996 GDP data converted from national currency units into dollars using 1996 purchasing power parities. 1993 SNA/ESA95 definitions except for Iceland, Japan, Malta, Switzerland and Turkey.

<sup>a</sup> Annual changes are calculated from chained national currency series.

<sup>b</sup> West Germany 1985-1991.

<sup>c</sup> Fifteen countries.

APPENDIX TABLE A.2

**Real private consumption expenditure in western Europe and North America, 1985-1999**  
(Percentage change over preceding year)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Western Europe</b> .....	2.4	4.1	3.5	3.7	3.1	3.4	2.3	1.7	-	1.4	2.0	2.3	2.4	3.0	2.7
<b>4 major countries</b> .....	2.5	4.3	3.8	4.1	3.2	3.0	2.3	1.7	-0.2	1.6	1.7	1.7	1.8	2.8	2.7
France <sup>a</sup> .....	1.6	3.6	3.0	2.7	3.0	2.7	0.7	0.9	-0.4	1.2	1.2	1.3	0.2	3.3	2.1
Germany <sup>b</sup> .....	1.7	3.5	3.4	2.7	2.8	5.4	5.6	2.7	0.1	1.0	2.0	1.0	0.7	2.0	2.6
Italy .....	3.1	4.0	3.8	4.0	3.7	2.1	2.9	1.9	-3.7	1.5	1.7	1.2	3.0	2.3	1.7
United Kingdom .....	3.9	6.6	5.3	7.5	3.2	0.7	-1.7	0.5	2.9	2.9	1.7	3.6	3.9	4.0	4.3
<b>17 smaller countries</b> .....	2.3	3.7	2.8	2.9	3.1	4.1	2.4	1.9	0.6	1.1	2.5	3.5	3.5	3.4	2.7
Austria .....	1.9	2.2	2.9	3.3	3.7	3.8	2.8	3.0	0.7	1.8	2.9	3.2	0.1	1.5	2.7
Belgium .....	2.0	3.1	1.8	3.7	3.9	3.2	3.0	2.2	-1.0	2.0	1.0	0.7	2.1	3.3	1.9
Cyprus .....	5.9	1.7	5.5	10.5	6.9	9.0	9.9	3.2	-4.8	5.0	10.3	3.5	4.0	9.1	2.0
Denmark .....	4.1	5.9	-2.2	-0.7	-0.1	0.1	1.6	1.9	0.5	6.5	1.2	2.5	3.7	3.5	0.6
Finland .....	3.8	4.0	5.1	5.3	4.6	-0.6	-3.8	-4.4	-3.1	2.6	4.4	4.2	3.5	4.9	3.6
Greece .....	3.9	0.7	1.2	3.6	6.1	2.6	2.8	2.4	-0.8	2.0	2.8	2.1	3.1	2.2	2.6
Iceland .....	4.2	6.9	16.2	-3.8	-4.2	0.5	4.1	-4.5	-4.5	1.9	4.2	6.4	6.0	11.0	7.2
Ireland .....	4.6	2.0	3.3	4.5	6.5	1.4	1.8	2.9	2.9	4.4	4.1	6.4	7.5	7.8	7.8
Israel <sup>a</sup> .....	0.7	15.1	8.9	4.5	0.4	5.6	7.2	8.0	7.3	9.5	5.8	5.4	4.2	3.6	3.4
Luxembourg .....	2.7	5.7	4.6	4.6	5.1	5.7	6.3	-0.9	1.7	2.4	2.4	4.4	3.8	2.3	3.0
Malta .....	5.0	1.4	0.5	9.0	9.2	3.8	3.8	4.3	0.8	2.3	10.5	7.1	1.6	2.2	6.3
Netherlands .....	2.8	2.6	2.7	0.8	3.5	4.2	3.1	2.5	1.0	2.2	2.0	4.0	3.0	4.4	4.4
Norway <sup>a</sup> .....	9.4	5.0	-0.8	-2.0	-0.6	0.7	1.5	2.2	2.2	4.0	3.4	5.3	3.6	3.3	2.4
Portugal .....	0.7	5.6	5.3	6.9	3.1	6.0	3.6	3.6	0.9	2.2	5.3	3.9	3.1	5.7	4.7
Spain .....	2.0	3.3	5.8	4.9	5.7	3.6	2.9	2.2	-2.2	0.9	1.6	2.2	3.1	4.5	4.7
Sweden .....	2.7	4.4	4.6	2.4	1.2	-0.4	0.9	-1.4	-3.1	1.8	0.6	1.4	1.7	2.4	4.1
Switzerland .....	1.6	2.3	2.2	1.7	2.3	1.2	1.6	0.1	-0.9	1.0	0.6	0.7	1.3	2.3	2.2
Turkey .....	-0.6	5.8	-0.3	1.2	-1.0	13.1	2.7	3.2	8.6	-5.4	4.8	8.5	8.4	0.6	-3.1
<b>North America</b> .....	5.0	4.2	3.4	4.1	2.7	1.8	-0.3	2.8	3.2	3.7	2.9	3.1	3.6	4.6	5.1
Canada .....	5.2	4.0	4.1	4.4	3.6	1.3	-1.4	1.8	1.8	3.1	2.1	2.5	4.4	2.9	3.5
United States <sup>a</sup> .....	5.0	4.2	3.3	4.0	2.7	1.8	-0.2	2.9	3.4	3.8	3.0	3.2	3.6	4.7	5.3
<b>Total above</b> .....	3.7	4.1	3.4	3.9	2.9	2.6	1.0	2.3	1.6	2.6	2.5	2.7	3.0	3.8	3.9
Japan .....	3.3	3.5	4.2	5.3	4.8	4.4	2.5	2.1	1.2	1.9	2.1	2.9	0.5	-0.5	1.2
<b>Total above, including Japan ..</b>	3.6	4.0	3.6	4.1	3.2	2.9	1.3	2.2	1.6	2.5	2.4	2.8	2.6	3.1	3.5
<i>Memorandum items:</i>															
European Union <sup>c</sup> .....	2.5	4.0	3.7	3.9	3.4	3.0	2.3	1.7	-0.4	1.7	1.8	2.0	2.1	3.1	3.0
Euro area .....	2.1	3.5	3.6	3.3	3.5	3.6	3.2	2.0	-1.0	1.4	1.9	1.6	1.7	3.0	2.7

Source: Eurostat; OECD; national statistics.

Note: See appendix table A.1.

<sup>a</sup> Annual changes are calculated from chained national currency series.

<sup>b</sup> West Germany 1985-1991.

<sup>c</sup> Fifteen countries.

APPENDIX TABLE A.3

**Real general government consumption expenditure in western Europe and North America, 1985-1999**  
(Percentage change over preceding year)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Western Europe</b> .....	2.9	2.9	2.9	2.2	1.2	3.0	2.4	2.5	1.4	0.7	1.0	1.9	0.8	1.6	1.8
<b>4 major countries</b> .....	1.8	2.3	2.1	2.3	-	2.4	1.8	2.7	0.8	1.1	0.3	1.7	0.1	0.6	1.3
France <sup>a</sup> .....	2.2	2.4	2.2	3.2	1.6	2.5	2.7	3.8	4.6	0.7	-0.1	2.3	2.1	0.1	2.6
Germany <sup>b</sup> .....	2.1	2.5	1.5	2.1	-1.6	2.2	0.4	5.0	0.1	2.4	1.5	1.8	-0.9	0.5	-0.1
Italy .....	3.0	2.6	4.8	4.0	0.2	2.5	1.7	0.6	-0.2	-0.9	-2.2	1.0	0.8	0.7	0.6
United Kingdom .....	-0.1	1.6	-	-	0.8	2.5	2.9	0.5	-0.8	1.4	1.6	1.7	-1.4	1.1	3.0
<b>17 smaller countries</b> .....	5.1	4.0	4.5	2.0	3.5	4.1	3.5	2.1	2.3	-	2.2	2.4	2.2	3.4	2.8
Austria .....	1.3	1.8	0.2	1.1	1.4	1.3	2.2	2.0	2.7	2.5	-	1.3	-0.4	2.0	1.0
Belgium .....	2.5	1.3	2.7	-0.7	1.1	-0.3	3.6	1.5	-0.1	1.4	1.2	2.4	0.1	1.4	3.4
Cyprus .....	3.7	3.6	5.3	10.5	1.9	17.4	3.9	13.8	-14.3	4.1	2.9	11.7	3.7	6.4	-3.6
Denmark .....	2.1	0.9	2.1	-0.2	-0.8	-0.2	0.6	0.8	4.1	3.0	2.1	3.4	1.3	3.0	1.4
Finland .....	4.3	3.4	4.4	1.9	2.2	4.0	2.1	-2.4	-4.2	0.3	2.0	2.5	4.1	1.7	2.0
Greece .....	3.2	-0.8	0.9	5.7	5.5	0.6	-1.5	-3.1	2.6	-1.1	5.7	0.9	1.7	2.1	0.5
Iceland .....	6.5	7.3	6.5	4.7	3.0	4.4	3.2	-0.8	2.3	3.7	1.3	1.0	3.1	3.6	4.7
Ireland .....	1.8	2.6	-4.8	-5.0	-1.3	5.4	2.7	3.0	0.1	4.1	3.8	3.2	5.6	5.3	5.2
Israel <sup>a</sup> .....	2.9	-9.7	18.3	-2.5	-8.6	7.7	4.1	1.4	4.2	-0.2	1.8	5.1	1.9	2.0	2.9
Luxembourg .....	2.0	2.7	4.7	4.9	3.9	3.1	3.9	1.5	3.7	2.0	2.2	4.4	2.1	2.8	3.3
Malta .....	5.6	4.4	9.1	6.0	12.7	5.7	10.9	8.9	6.0	6.4	8.5	8.4	-1.1	-4.0	-1.1
Netherlands .....	2.4	3.6	2.6	1.4	1.5	1.6	1.5	1.7	1.5	0.6	0.8	-0.4	3.2	3.4	2.5
Norway <sup>a</sup> .....	2.3	1.9	4.6	-0.1	1.9	4.9	4.3	5.3	2.2	1.4	0.3	2.8	1.9	3.8	2.7
Portugal .....	6.4	7.2	3.8	8.6	6.6	5.4	10.3	1.1	0.9	2.1	2.7	-0.3	2.6	3.4	3.4
Spain .....	6.0	5.4	8.9	4.0	8.3	6.6	5.6	4.0	2.4	-0.3	1.8	1.3	2.9	3.7	2.9
Sweden .....	2.2	1.3	1.0	0.6	2.1	2.6	2.8	-	0.2	-0.9	-0.6	0.9	-1.0	2.2	1.8
Switzerland .....	3.4	3.4	1.7	4.5	5.4	5.4	3.5	0.7	-0.1	2.0	-0.1	2.0	0.6	-0.2	-0.4
Turkey .....	14.1	9.2	9.4	-1.1	0.8	8.0	3.7	3.6	8.6	-5.5	6.8	8.6	4.1	7.8	6.5
<b>North America</b> .....	6.3	5.1	2.8	1.5	2.8	3.3	1.3	0.5	-0.7	-	0.4	0.9	2.1	2.1	3.2
Canada .....	4.3	1.9	1.4	4.6	2.8	3.7	2.8	1.0	0.1	-1.2	-0.5	-1.4	-1.2	1.6	1.3
United States <sup>a,c</sup> .....	6.4	5.4	3.0	1.2	2.8	3.3	1.2	0.5	-0.8	0.1	0.4	1.1	2.4	2.1	3.3
<b>Total above</b> .....	4.6	4.0	2.9	1.8	2.0	3.2	1.8	1.5	0.3	0.3	0.7	1.4	1.4	1.8	2.5
Japan .....	0.3	5.1	1.6	2.3	2.0	1.5	2.0	2.0	2.4	2.4	3.3	1.9	1.5	1.5	1.3
<b>Total above, including Japan ..</b>	3.9	4.2	2.7	1.9	2.0	2.9	1.9	1.6	0.6	0.7	1.1	1.5	1.4	1.8	2.3
<i>Memorandum items:</i>															
European Union <sup>d</sup> .....	2.4	2.6	2.6	2.3	1.1	2.6	2.3	2.4	1.0	1.0	0.7	1.6	0.6	1.2	1.6
Euro area .....	2.8	2.9	3.2	2.8	1.1	2.8	2.2	3.1	1.3	0.9	0.4	1.5	1.0	1.2	1.4

Source: Eurostat; OECD; national statistics.

Note: See appendix table A.1.

<sup>a</sup> Annual changes are calculated from chained national currency series.

<sup>b</sup> West Germany 1985-1991.

<sup>c</sup> Includes final consumption expenditure and gross investment.

<sup>d</sup> Fifteen countries.

APPENDIX TABLE A.4

**Real gross domestic fixed capital formation in western Europe and North America, 1985-1999**  
(Percentage change over preceding year)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Western Europe</b> .....	2.8	4.4	7.2	8.1	6.4	4.5	-0.3	-0.2	-4.0	1.8	3.6	3.0	3.9	5.7	4.2
<b>4 major countries</b> .....	1.5	3.4	4.8	8.3	6.0	4.0	-	0.7	-5.2	2.5	2.2	1.6	2.1	5.5	5.0
France <sup>a</sup> .....	3.1	6.0	6.0	9.5	7.3	3.3	-1.5	-1.6	-6.4	1.5	2.0	-	-0.1	6.3	7.1
Germany <sup>b</sup> .....	-0.5	3.3	1.8	4.4	6.3	8.5	6.0	4.5	-4.5	4.0	-0.7	-0.8	0.6	3.0	3.3
Italy .....	0.4	2.3	4.2	6.7	4.2	4.0	1.0	-1.4	-10.9	0.1	6.0	3.6	1.2	4.1	4.4
United Kingdom .....	4.0	2.1	8.9	14.8	5.9	-2.3	-8.7	-0.7	0.8	3.6	2.9	4.9	7.5	10.1	6.1
<b>17 smaller countries</b> .....	5.4	6.2	11.8	7.6	7.3	5.5	-0.7	-1.7	-1.7	0.7	6.2	5.5	7.5	5.9	2.7
Austria .....	6.9	2.4	4.4	6.8	6.3	6.6	6.3	0.1	-2.0	8.4	1.2	2.1	0.8	6.8	2.9
Belgium .....	3.9	3.2	6.2	15.7	12.6	8.5	-4.1	1.7	-3.1	-0.1	4.9	0.8	6.7	4.6	4.8
Cyprus .....	-7.7	-7.1	4.5	10.6	20.0	-2.8	-1.6	16.2	-12.8	-2.5	-1.7	7.4	-4.5	2.4	-0.1
Denmark .....	14.3	16.5	-0.8	-3.0	-0.8	-2.1	-3.3	-2.0	-4.0	7.6	11.6	4.0	8.0	6.7	0.3
Finland .....	2.8	1.0	4.9	11.0	13.0	-4.6	-18.6	-16.7	-16.6	-2.7	10.6	8.4	11.9	9.4	4.6
Greece .....	5.2	-6.2	-5.1	8.9	7.1	5.0	4.8	-3.2	-3.5	-2.7	4.2	8.4	13.2	8.0	7.1
Iceland .....	1.0	-1.6	18.8	-0.2	-7.9	3.0	2.0	-11.3	-11.4	-1.1	-2.8	26.5	10.5	25.9	-2.0
Ireland .....	-7.7	-2.8	-1.1	5.2	10.1	13.4	-7.0	-	-5.1	11.8	13.3	16.5	17.8	14.7	12.5
Israel <sup>a</sup> .....	-9.2	7.4	6.1	1.6	-2.2	25.3	41.9	5.2	5.3	8.4	6.6	7.7	-2.4	-4.0	0.6
Luxembourg .....	-9.5	31.0	17.9	15.0	7.0	2.7	31.6	-9.0	28.4	-14.9	3.5	-3.5	10.5	1.5	9.0
Malta .....	-4.0	-8.7	30.7	6.1	1.0	17.9	-	-0.2	11.1	8.5	17.8	-8.4	-4.5	-3.4	0.8
Netherlands .....	7.0	6.9	0.9	4.5	4.9	1.6	0.2	0.6	-2.8	2.2	4.8	6.3	6.6	4.1	6.5
Norway <sup>a</sup> .....	-4.0	7.6	0.3	-1.8	-6.9	-10.8	-0.4	-3.1	4.3	4.5	3.4	9.9	13.9	5.8	-5.6
Portugal .....	-3.5	10.9	18.0	14.8	4.2	8.2	3.5	4.8	-5.8	3.5	-4.0	6.2	10.6	8.8	6.5
Spain .....	6.1	9.9	14.0	13.9	13.6	6.6	1.6	-4.4	-10.5	2.5	8.2	2.1	5.0	9.7	8.9
Sweden .....	5.2	0.3	8.2	6.6	11.3	1.3	-8.9	-10.8	-17.2	6.1	9.4	5.0	-2.2	9.4	8.1
Switzerland .....	2.8	5.4	4.0	8.1	5.3	3.8	-2.9	-6.6	-2.7	6.5	1.8	-2.4	1.5	4.4	1.8
Turkey .....	11.5	8.4	45.1	-1.0	2.2	15.9	0.4	6.4	26.4	-16.0	9.1	14.1	14.8	-3.9	-16.0
<b>North America</b> .....	..	..	..	4.2	3.0	-2.0	-6.7	5.8	7.2	9.0	5.4	9.0	10.0	11.1	9.2
Canada .....	10.3	5.4	10.7	9.8	5.9	-3.6	-3.5	-1.3	-2.7	7.4	-1.9	5.8	15.4	3.4	10.1
United States <sup>a,c</sup> .....	..	..	..	3.6	2.7	-1.8	-6.9	6.5	8.1	9.1	6.1	9.3	9.6	11.8	9.2
<b>Total above</b> .....	..	..	..	6.1	4.7	1.3	-3.5	2.8	1.6	5.4	4.5	6.0	7.0	8.4	6.7
Japan .....	5.0	4.8	9.1	11.5	8.2	8.5	3.3	-1.5	-2.0	-0.8	1.7	11.1	-0.8	-7.4	-1.0
<b>Total above, including Japan</b> ..	..	..	..	7.0	5.3	2.4	-2.4	2.1	1.0	4.4	4.1	6.8	5.8	5.9	5.5
<i>Memorandum items:</i>															
European Union <sup>d</sup> .....	2.5	4.2	5.5	8.7	6.9	4.2	-0.2	-0.3	-5.7	2.6	3.4	2.4	3.3	6.2	5.5
Euro area .....	1.8	4.6	5.1	7.8	7.1	5.7	1.7	0.2	-6.7	2.3	3.1	1.6	2.3	5.2	5.3

Source: Eurostat; OECD; national statistics.

Note: See appendix table A.1.

<sup>a</sup> Annual changes are calculated from chained national currency series.

<sup>b</sup> West Germany 1985-1991.

<sup>c</sup> Includes only gross domestic fixed investment of the private sector; the government sector gross investment is included in the final consumption expenditure of general government.

<sup>d</sup> Fifteen countries.

APPENDIX TABLE A.5

**Real total domestic demand in western Europe and North America, 1985-1999**  
(Percentage change over preceding year)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Western Europe</b> .....	2.4	3.9	3.9	4.4	3.5	3.6	1.4	1.4	-0.8	1.8	2.6	1.7	2.6	3.6	2.6
<b>4 major countries</b> .....	2.2	3.7	3.6	4.9	3.1	2.9	1.6	1.5	-1.4	2.3	1.8	1.1	1.7	3.3	2.7
France <sup>a</sup> .....	2.1	3.7	3.2	4.6	3.7	2.9	0.5	0.8	-1.6	2.1	1.6	0.7	0.7	3.7	2.7
Germany <sup>b</sup> .....	1.0	3.3	2.4	3.6	2.9	5.2	4.7	2.8	-1.1	2.3	1.7	0.3	0.6	2.4	2.4
Italy .....	3.2	3.1	4.3	4.1	3.1	2.7	2.1	0.9	-5.1	1.7	2.0	0.9	2.5	2.9	2.5
United Kingdom .....	3.0	4.7	4.9	8.0	2.8	-0.3	-2.7	0.8	2.2	3.4	1.8	3.0	3.8	4.6	3.6
<b>17 smaller countries</b> .....	2.9	4.4	4.5	3.6	4.3	4.8	1.1	1.1	0.3	0.7	4.1	3.0	4.2	4.1	2.4
Austria .....	1.9	2.1	2.6	3.2	3.0	4.3	3.6	1.4	0.8	3.6	1.9	2.0	0.5	2.7	1.7
Belgium .....	1.0	2.6	3.5	4.8	4.3	2.9	1.7	1.8	-1.5	2.1	1.9	0.9	2.6	3.9	2.1
Cyprus .....	2.2	-1.5	5.6	11.3	9.7	6.3	5.1	9.3	-9.5	7.4	7.8	4.6	1.1	7.7	0.9
Denmark .....	5.0	6.5	-2.3	-0.2	-0.1	-0.7	-0.1	0.9	-0.3	7.0	4.2	2.2	4.4	4.3	-0.4
Finland .....	3.2	2.8	5.1	6.5	6.9	-1.5	-8.5	-5.8	-5.7	3.7	4.4	2.9	6.0	5.7	2.8
Greece .....	5.6	-1.2	-1.5	7.3	5.3	2.8	3.7	-1.7	-0.9	1.1	4.2	3.3	4.1	3.1	3.2
Iceland .....	2.9	4.8	15.7	-0.9	-4.3	1.4	5.1	-5.3	-4.1	1.5	3.1	7.5	6.3	12.2	4.7
Ireland .....	1.2	1.2	-0.2	2.1	7.3	6.4	0.2	-0.1	1.0	5.1	6.4	7.3	9.3	10.2	6.0
Israel <sup>a</sup> .....	-2.2	5.4	9.0	2.5	-2.8	9.3	12.1	5.3	6.8	5.3	6.7	5.5	1.2	0.8	5.1
Luxembourg .....	0.6	8.7	5.4	6.7	8.6	3.2	8.7	-1.5	9.7	-0.5	3.2	2.7	5.5	2.4	4.0
Malta .....	3.5	-	3.5	11.5	8.3	7.6	4.9	0.1	4.8	5.9	9.5	2.8	-0.1	-1.2	5.2
Netherlands .....	3.7	3.8	1.4	1.8	4.7	3.5	1.9	1.6	-1.1	3.1	2.4	2.8	3.9	4.2	4.2
Norway <sup>a</sup> .....	5.6	7.4	-0.8	-3.0	-2.0	-0.5	0.8	1.5	3.1	4.0	4.3	4.2	6.4	5.4	-1.0
Portugal .....	1.0	8.2	9.9	10.7	3.9	5.9	3.8	3.7	-1.4	2.9	2.9	3.0	4.7	6.0	4.8
Spain .....	2.5	5.4	8.1	7.0	7.8	4.8	2.9	1.0	-4.2	1.3	3.2	1.9	3.4	5.6	5.5
Sweden .....	3.8	2.1	4.3	2.8	3.7	0.9	-2.1	-1.8	-5.2	3.1	1.9	0.7	0.7	3.8	3.5
Switzerland .....	1.9	4.5	2.0	2.6	4.1	3.9	-0.6	-2.7	-1.0	2.7	1.8	0.4	1.3	4.1	1.4
Turkey .....	3.2	7.0	8.9	-1.3	1.5	14.6	-0.6	5.6	14.2	-12.5	11.4	7.6	9.0	0.3	-4.0
<b>North America</b> .....	4.5	3.7	3.7	3.4	3.0	1.3	-1.1	2.9	3.0	4.3	2.4	3.5	4.8	5.3	5.1
Canada .....	5.8	3.4	4.7	5.3	4.1	-	-1.4	0.9	1.4	3.2	1.7	1.4	6.2	2.2	4.2
United States <sup>a</sup> .....	4.4	3.8	3.7	3.2	2.9	1.4	-1.1	3.1	3.2	4.4	2.4	3.7	4.7	5.5	5.2
<b>Total above</b> .....	3.5	3.8	3.8	3.9	3.2	2.4	0.2	2.1	1.1	3.0	2.5	2.6	3.7	4.4	3.8
Japan .....	3.8	3.9	5.1	7.4	5.6	5.2	2.9	0.4	0.1	1.0	2.3	5.7	0.2	-3.1	0.5
<b>Total above, including Japan ..</b>	3.5	3.8	4.0	4.5	3.6	2.9	0.6	1.9	0.9	2.7	2.4	3.1	3.1	3.2	3.3
<i>Memorandum items:</i>															
European Union <sup>c</sup> .....	2.4	3.7	3.7	4.9	3.7	3.1	1.6	1.2	-1.6	2.4	2.1	1.4	2.2	3.7	3.0
Euro area .....	2.0	3.6	3.7	4.4	3.9	3.9	2.5	1.5	-2.3	2.2	2.1	1.1	1.8	3.5	3.0

*Source:* Eurostat; OECD; national statistics.

*Note:* See appendix table A.1.

<sup>a</sup> Annual changes are calculated from chained national currency series.

<sup>b</sup> West Germany 1985-1991.

<sup>c</sup> Fifteen countries.

APPENDIX TABLE A.6

Real exports of goods and services in western Europe and North America, 1985-1999  
(Percentage change over preceding year)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Western Europe</b> .....	4.5	1.1	5.0	6.3	7.4	6.3	4.7	4.3	2.1	9.3	8.2	5.6	10.4	6.1	3.5
<b>4 major countries</b> .....	5.3	0.9	3.2	5.1	8.4	7.5	5.2	3.5	1.1	8.5	8.5	4.2	9.7	5.4	3.1
France <sup>a</sup> .....	2.6	-0.4	3.4	8.7	10.0	4.8	5.9	5.4	-	7.7	7.7	3.5	11.8	7.8	3.7
Germany <sup>b</sup> .....	7.6	-0.6	0.4	5.5	10.2	11.0	12.6	-0.8	-5.5	7.6	5.7	5.1	11.3	7.0	5.1
Italy .....	3.9	0.8	4.5	5.1	7.8	7.5	-1.4	7.3	9.0	9.8	12.6	0.6	6.5	3.3	-0.4
United Kingdom .....	6.0	4.5	5.9	0.6	4.8	4.9	-0.2	4.1	3.9	9.2	9.5	7.5	8.6	2.6	3.3
<b>17 smaller countries</b> .....	3.2	1.5	8.6	8.8	5.4	4.0	3.8	5.9	4.1	10.8	7.6	8.3	11.8	7.6	4.1
Austria .....	7.1	-2.3	3.1	10.2	11.3	7.9	5.9	1.7	-1.3	5.6	6.5	6.0	10.1	8.7	3.5
Belgium .....	0.3	2.8	5.0	9.6	8.3	4.6	3.1	3.7	-0.4	8.4	5.7	1.2	6.7	4.4	5.2
Cyprus .....	-1.1	-1.7	13.7	13.5	16.8	7.9	-8.4	18.7	-1.3	7.9	4.6	4.0	0.9	-2.4	8.2
Denmark .....	5.0	0.4	4.3	11.2	4.2	6.2	6.1	-0.9	-1.5	7.0	2.9	4.3	4.1	2.2	7.9
Finland .....	0.7	0.7	2.9	3.5	1.6	1.2	-7.3	10.3	16.7	13.1	8.6	5.8	14.1	8.9	6.3
Greece .....	1.3	14.0	16.0	9.0	4.6	-4.0	3.7	10.5	-3.5	6.3	0.9	3.5	7.9	4.2	6.2
Iceland .....	11.1	5.9	3.3	-3.6	2.9	-	-5.9	-1.9	7.1	10.0	-2.2	10.0	5.7	2.2	5.8
Ireland .....	6.6	2.9	13.7	9.0	10.3	8.7	5.7	13.9	9.7	15.1	20.0	12.2	17.4	21.4	12.4
Israel <sup>a</sup> .....	10.2	5.6	10.2	-1.5	4.0	2.0	-2.6	14.1	9.9	12.8	8.4	6.6	7.7	6.3	10.1
Luxembourg .....	9.5	3.3	4.4	11.7	8.1	3.4	6.7	4.8	2.8	4.4	4.4	4.0	10.5	9.9	5.2
Malta .....	7.4	7.0	12.6	6.1	10.7	13.3	7.5	9.7	5.3	7.1	5.4	-5.9	4.0	8.1	8.2
Netherlands .....	5.1	1.8	4.0	9.0	6.7	5.3	4.7	2.9	1.5	6.7	6.7	4.6	8.8	7.4	5.6
Norway <sup>a</sup> .....	7.2	2.2	1.1	6.4	11.0	8.6	6.1	5.2	3.2	8.7	4.3	9.3	6.1	0.3	1.7
Portugal .....	6.7	6.8	11.2	8.2	13.0	10.0	2.6	5.0	-3.6	8.7	13.5	7.2	8.5	7.6	5.0
Spain .....	2.7	1.9	6.3	5.1	3.0	3.2	7.9	7.4	8.5	16.7	10.0	10.4	15.3	8.3	6.6
Sweden .....	1.4	3.7	4.3	2.5	3.1	1.6	-2.3	2.3	7.6	14.1	11.3	3.5	13.0	7.3	5.2
Switzerland .....	8.0	-0.4	2.3	6.5	6.6	2.1	-2.1	3.0	1.5	1.8	1.6	2.5	9.0	4.6	5.9
Turkey .....	-1.9	-5.1	26.4	18.4	-0.3	2.5	3.7	11.0	7.7	15.2	8.0	22.0	19.1	12.0	-7.0
<b>North America</b> .....	2.9	7.2	10.6	15.5	10.9	8.4	6.2	6.3	4.0	9.3	10.2	8.0	12.0	2.8	3.5
Canada .....	5.5	5.2	3.3	9.5	1.3	4.7	2.3	7.9	10.9	13.1	9.0	5.9	8.8	8.9	10.0
United States <sup>a</sup> .....	2.7	7.4	11.2	16.1	11.8	8.7	6.5	6.2	3.3	8.9	10.3	8.2	12.3	2.3	2.9
<b>Total above</b> .....	3.7	4.1	7.8	10.9	9.2	7.3	5.4	5.3	3.0	9.3	9.2	6.8	11.2	4.5	3.5
Japan .....	5.4	-5.7	-0.5	5.9	9.1	6.9	5.2	4.9	1.3	4.6	5.4	6.3	11.6	-2.5	1.9
<b>Total above, including Japan ..</b>	4.0	2.6	6.5	10.1	9.1	7.3	5.4	5.3	2.8	8.5	8.6	6.7	11.3	3.4	3.2
<i>Memorandum items:</i>															
European Union <sup>c</sup> .....	4.7	1.4	4.1	5.7	7.7	6.5	4.9	4.0	1.8	9.2	8.4	4.8	10.1	6.0	4.0
Euro area .....	4.7	0.4	3.4	6.6	8.6	7.3	6.2	4.0	1.4	9.1	8.5	4.4	10.5	6.7	3.9

Source: Eurostat; OECD; national statistics.

Note: See appendix table A.1.

<sup>a</sup> Annual changes are calculated from chained national currency series.

<sup>b</sup> West Germany 1985-1991.

<sup>c</sup> Fifteen countries.



APPENDIX TABLE A.7

Real imports of goods and services in western Europe and North America, 1985-1999  
(Percentage change over preceding year)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Western Europe</b> .....	4.3	5.2	9.1	7.8	8.6	8.0	3.7	4.1	-1.8	6.4	8.4	4.8	9.8	9.2	5.6
<b>4 major countries</b> .....	4.2	4.8	7.6	7.8	8.2	7.3	4.4	4.1	-4.4	7.3	7.0	3.3	8.6	9.3	5.9
France <sup>a</sup> .....	4.2	6.5	7.7	8.8	8.0	5.5	3.1	1.8	-3.7	8.2	8.0	1.6	6.9	11.0	3.6
Germany <sup>b</sup> .....	4.5	2.7	4.2	5.1	8.3	10.3	13.1	1.5	-5.5	7.4	5.6	3.1	8.4	8.6	8.1
Italy .....	5.3	4.0	12.2	5.9	8.9	11.5	2.3	7.4	-10.9	8.1	9.7	-0.3	10.2	9.1	3.4
United Kingdom .....	2.5	6.9	7.9	12.8	7.4	0.5	-5.0	6.8	3.2	5.4	5.5	9.1	9.2	8.8	7.6
<b>17 smaller countries</b> .....	4.5	6.1	11.9	7.7	9.5	9.2	2.4	4.1	3.3	4.8	11.1	7.5	12.1	8.9	5.0
Austria .....	6.2	-2.9	5.4	10.4	8.4	7.3	6.5	1.8	-0.7	8.3	7.0	5.9	9.4	6.9	1.9
Belgium .....	0.2	4.5	6.7	10.4	9.6	4.8	2.8	4.1	-0.4	7.2	5.0	0.8	5.7	6.5	4.5
Cyprus .....	-4.5	-11.0	5.5	13.4	20.4	5.8	2.2	18.2	-18.1	8.2	11.5	6.7	-0.4	4.4	-0.5
Denmark .....	9.7	9.5	-3.1	8.3	4.1	1.2	3.0	-0.4	-2.7	12.3	7.3	3.5	8.0	7.3	2.2
Finland .....	6.2	1.5	9.2	10.9	9.0	-0.8	-13.5	0.6	1.3	12.8	7.8	6.4	11.3	8.3	3.2
Greece .....	12.8	3.8	16.6	8.0	10.6	8.7	6.0	-2.8	0.2	1.2	9.3	7.0	9.5	1.9	5.4
Iceland .....	9.4	0.9	23.3	-4.6	-10.3	1.0	5.7	-8.0	-8.6	4.2	3.8	16.6	8.5	23.3	6.3
Ireland .....	3.2	5.6	6.2	4.9	13.5	5.1	2.4	8.2	7.5	15.5	16.4	12.5	16.8	25.8	8.7
Israel <sup>a</sup> .....	-3.7	11.2	19.6	-2.8	-5.0	9.5	16.0	8.8	14.1	10.9	4.5	8.2	1.9	1.7	14.6
Luxembourg .....	7.0	3.8	7.5	8.2	6.6	4.5	9.0	-0.8	2.8	-0.1	3.8	4.0	9.3	8.3	4.9
Malta .....	9.2	0.1	12.3	11.1	11.1	15.7	5.4	3.0	5.9	7.5	10.0	-5.9	-1.7	2.5	9.1
Netherlands .....	6.3	3.5	4.2	7.6	6.7	4.2	4.1	2.1	-2.1	6.7	7.5	4.4	9.5	8.0	6.3
Norway <sup>a</sup> .....	8.9	11.8	-6.5	-2.4	2.2	2.5	0.2	0.7	4.4	4.9	5.6	8.0	11.3	9.3	-3.1
Portugal .....	1.4	16.9	23.1	18.0	6.1	14.0	7.3	10.7	-3.3	9.0	9.1	5.0	10.6	13.8	8.5
Spain .....	8.0	14.4	20.1	14.4	17.3	7.8	9.0	6.9	-5.2	11.3	11.0	8.0	13.3	13.4	11.9
Sweden .....	6.9	4.5	7.7	5.3	7.4	0.7	-4.9	1.1	-2.5	12.2	7.2	3.0	11.8	10.4	5.0
Switzerland .....	3.7	8.1	6.2	5.2	5.9	2.6	-1.6	-4.2	0.1	7.9	5.1	2.7	8.1	9.4	5.5
Turkey .....	-6.6	-3.5	23.0	-4.5	6.9	33.0	-5.2	10.9	35.8	-21.9	29.6	20.5	22.4	2.3	-3.7
<b>North America</b> .....	6.6	8.4	6.0	4.6	4.2	3.7	-0.2	6.6	8.9	11.7	8.0	8.4	13.8	11.4	10.6
Canada .....	8.8	8.5	5.6	13.7	6.3	2.3	3.2	6.2	7.4	8.3	6.2	5.8	15.1	6.1	9.4
United States <sup>a</sup> .....	6.4	8.4	6.1	3.8	4.0	3.8	-0.5	6.6	9.1	12.0	8.2	8.6	13.7	11.9	10.7
<b>Total above</b> .....	5.5	6.8	7.6	6.2	6.4	5.8	1.8	5.3	3.6	9.1	8.2	6.6	11.8	10.3	8.1
Japan .....	-1.4	1.9	9.5	20.9	18.6	7.9	-3.1	-0.7	-0.3	8.9	14.2	11.9	0.5	-7.6	5.3
<b>Total above, including Japan ..</b>	4.4	6.1	7.9	8.5	8.3	6.2	1.0	4.4	3.0	9.0	9.2	7.4	10.0	7.4	7.7
<i>Memorandum items:</i>															
European Union <sup>c</sup> .....	4.8	5.5	8.7	8.6	8.9	6.9	4.4	4.0	-3.8	7.9	7.5	3.9	9.2	9.5	6.2
Euro area .....	4.9	5.3	8.9	7.9	9.3	8.5	6.5	3.8	-5.3	8.3	7.8	2.9	9.1	9.8	6.1

Source: Eurostat; OECD; national statistics.

Note: See appendix table A.1.

<sup>a</sup> Annual changes are calculated from chained national currency series.

<sup>b</sup> West Germany 1985-1991.

<sup>c</sup> Fifteen countries.

APPENDIX TABLE A.8

**Industrial output in western Europe and North America, 1985-1999**  
(Percentage change over preceding year)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Western Europe</b> .....	3.3	2.7	2.5	4.4	4.1	3.8	-	-0.8	-2.6	4.5	4.0	0.8	4.2	3.4	1.3
<b>4 major countries</b> .....	3.1	2.1	1.8	4.9	3.9	4.0	0.1	-1.3	-3.6	4.6	2.5	0.1	3.2	3.0	1.1
France <sup>a</sup> .....	1.4	0.6	1.2	4.6	3.7	3.3	-0.2	-1.1	-3.7	3.9	2.5	0.9	3.7	5.2	2.1
Germany <sup>bc</sup> .....	4.8	1.8	0.4	3.6	4.9	5.2	2.4	-2.3	-7.6	3.6	1.2	0.6	3.5	4.2	1.5
Italy.....	0.1	4.1	2.6	6.9	3.9	6.3	-0.4	-1.3	-2.1	6.2	5.0	-1.9	3.8	1.1	-
United Kingdom <sup>c</sup> .....	5.5	1.4	4.1	5.2	2.1	-	-3.3	0.4	2.1	5.2	1.8	1.0	1.0	0.8	0.5
<b>14 smaller countries</b> .....	3.5	3.9	4.0	3.5	4.6	3.4	-0.1	0.3	-0.6	4.3	7.2	2.3	6.4	4.3	1.8
Austria <sup>d</sup> .....	4.7	1.2	1.0	4.4	5.8	6.8	1.9	-1.2	-1.5	4.0	4.9	1.0	6.4	8.2	5.6
Belgium <sup>d</sup> .....	2.5	0.8	2.1	5.8	3.4	1.5	-1.9	-0.4	-5.1	2.1	6.5	0.5	4.7	3.4	0.9
Denmark <sup>e</sup> .....	4.5	7.3	-3.0	2.2	2.0	3.1	-	3.4	-2.6	10.0	4.6	2.0	5.6	2.2	2.5
Finland.....	2.9	1.8	5.0	3.2	3.6	-0.6	-8.7	1.3	5.6	11.3	7.2	3.6	10.2	7.0	5.8
Greece.....	3.3	-0.3	-1.2	5.1	1.8	-2.5	-1.0	-1.1	-2.9	1.3	1.8	1.2	1.3	7.1	3.9
Ireland <sup>c</sup> .....	3.4	2.1	8.9	10.7	11.6	4.7	3.3	9.1	5.6	11.9	20.5	7.6	14.7	15.3	10.5
Israel.....	..	3.6	4.9	-3.1	-1.6	8.0	6.8	8.2	6.9	7.4	8.4	5.4	1.8	2.8	1.4
Luxembourg.....	-1.1	1.9	-0.6	8.7	7.8	2.6	0.4	-0.8	-4.3	5.9	2.0	0.1	5.8	-0.1	11.5
Netherlands <sup>d</sup> .....	4.8	0.2	1.1	0.1	5.1	2.4	1.8	-0.2	-1.1	4.9	4.5	2.5	3.1	1.4	0.5
Norway <sup>f</sup> .....	5.7	4.1	6.6	2.9	9.3	2.5	2.5	5.6	3.6	7.0	5.9	5.4	3.4	-0.6	-0.2
Portugal <sup>d</sup> .....	-1.3	7.3	4.4	3.8	6.7	9.0	-	-2.3	-5.2	-0.2	11.6	5.3	2.6	5.7	3.0
Spain <sup>d</sup> .....	1.8	3.3	4.6	3.1	5.1	-0.3	-0.7	-3.1	-4.7	7.7	4.8	-1.3	6.9	5.5	2.6
Sweden <sup>ag</sup> .....	2.9	0.2	2.8	2.9	2.9	0.3	-5.2	-1.7	-0.4	11.5	9.8	1.0	6.5	4.6	2.1
Switzerland <sup>d</sup> .....	5.6	3.8	1.2	7.8	1.5	4.8	0.5	-1.0	-1.8	4.3	2.0	-	4.7	3.6	3.4
Turkey <sup>a</sup> .....	5.9	11.7	10.5	1.6	3.6	9.5	2.7	5.0	8.0	-6.2	12.7	7.5	10.7	1.2	-3.7
<b>North America</b> .....	1.9	1.0	4.6	4.7	1.6	-0.4	-2.1	3.0	3.5	5.6	4.8	4.2	6.2	4.1	3.6
Canada <sup>d</sup> .....	5.4	-0.6	4.4	6.1	-0.4	-2.8	-3.8	1.1	4.5	6.5	4.5	1.4	4.4	2.4	4.4
United States.....	1.6	1.2	4.6	4.5	1.8	-0.2	-2.0	3.1	3.4	5.5	4.9	4.4	6.4	4.2	3.6
<b>Total above</b> .....	2.6	1.9	3.5	4.5	2.9	1.8	-1.0	1.0	0.3	5.0	4.4	2.4	5.2	3.7	2.4
Japan <sup>a</sup> .....	3.7	-0.2	3.4	9.4	5.8	4.2	1.9	-5.7	-3.5	1.3	3.3	2.3	3.5	-6.5	0.8
<b>Total above, including Japan</b> ..	2.8	1.5	3.5	5.4	3.4	2.2	-0.5	-0.2	-0.3	4.3	4.2	2.4	4.9	1.9	2.1
<i>Memorandum items:</i>															
European Union.....	3.0	2.1	2.1	4.5	4.1	3.5	-0.2	-1.2	-3.3	5.0	3.6	0.5	3.9	3.6	1.6
Euro area.....	2.6	2.3	1.9	4.5	4.6	4.3	0.6	-1.5	-4.3	4.8	3.8	0.3	4.3	4.0	1.7

*Source:* National statistics; OECD, *Main Economic Indicators* (Paris), various issues; UN/ECE secretariat estimates.

*Note:* Growth rates of regional aggregates have been calculated as weighted averages of growth rates in individual countries. Weights were derived from GDP originating in industry in 1995. Data were converted from national currency units into dollars using GDP purchasing power parities.

<sup>a</sup> Not adjusted for unequal number of working days in the month.

<sup>b</sup> West Germany 1985-1991.

<sup>c</sup> The index measures volume of net production, i.e. gross output minus the value of input used in the production process.

<sup>d</sup> The index measures value added.

<sup>e</sup> The index is based on deflated turnover. Data cover manufacturing, mining and quarrying (excluding crude oil production and exploration).

<sup>f</sup> Prior to 1989 the data correspond to the physical volume of production; from 1990 the data refer to value added at factor cost.

<sup>g</sup> Annual figures correspond to official annual figures and differ from the average of the monthly figures. Data cover manufacturing, mining and quarrying.

APPENDIX TABLE A.9

**Total employment in western Europe and North America, 1985-1999**  
(Percentage change over preceding year)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Western Europe</b> .....	0.7	1.1	1.3	1.6	1.9	1.8	0.5	-1.1	-1.5	0.1	1.1	0.7	0.6	1.7	1.6
<b>4 major countries</b> .....	0.7	0.6	0.7	0.9	1.6	1.8	1.8	0.4	-1.4	-1.6	-0.2	0.5	0.3	0.6	1.1
France.....	-0.8	0.4	0.8	0.9	1.7	1.0	0.1	-0.5	-1.2	-	0.8	0.3	0.3	1.2	1.5
Germany <sup>a</sup> .....	0.7	1.4	0.7	0.8	1.5	3.0	2.5	-1.5	-1.4	-0.2	0.2	-0.3	-0.2	0.9	1.1
Italy.....	0.9	0.7	0.2	1.1	0.7	1.6	1.9	-0.5	-2.5	-1.5	-0.1	0.6	0.4	1.0	1.2
United Kingdom <sup>b</sup> .....	1.2	0.2	2.0	3.6	3.2	1.0	-3.2	-2.6	-1.3	0.6	1.1	1.0	2.0	1.2	1.0
<b>17 smaller countries</b> .....	0.8	1.7	1.8	1.7	2.1	1.8	0.7	-0.8	-1.4	0.6	2.0	1.3	0.5	2.7	2.2
Austria.....	0.2	0.4	-	0.6	1.3	1.6	1.4	0.2	-0.6	-0.1	-	-0.6	0.5	0.8	1.4
Belgium.....	0.5	0.6	0.6	1.7	1.2	0.9	0.1	-0.5	-0.8	-0.4	0.7	0.4	0.7	1.2	1.3
Cyprus <sup>c</sup> .....	3.7	1.1	3.1	4.7	3.9	2.8	0.6	4.5	-0.1	2.3	3.4	1.0	-0.2	1.2	0.8
Denmark.....	2.5	2.3	0.4	-0.7	-0.7	-0.7	-0.6	-0.8	-1.5	1.4	0.5	0.7	1.0	2.0	1.1
Finland.....	1.0	-0.3	0.5	1.0	0.9	-0.5	-5.6	-7.2	-6.3	-1.1	1.6	1.4	3.3	2.1	2.2
Greece.....	1.0	0.4	-0.1	1.6	0.4	1.3	-2.3	1.5	0.9	1.9	0.9	-0.4	-0.3	3.4	1.2
Iceland <sup>c</sup> .....	3.6	3.1	6.0	-3.0	-1.5	-1.1	-0.1	-1.4	-0.8	0.5	0.9	2.3	1.8	3.4	2.7
Ireland.....	-2.5	0.5	0.6	0.3	-0.1	3.3	-0.1	3.1	1.5	3.2	5.4	3.8	5.6	5.0	5.1
Israel.....	0.7	1.4	2.6	3.5	0.5	2.1	6.1	4.2	6.1	6.9	5.2	2.4	1.4	1.6	3.1
Luxembourg.....	1.4	2.5	2.1	3.0	3.5	4.1	4.1	2.5	1.7	2.6	2.6	2.7	3.1	4.4	5.0
Malta <sup>d</sup> .....	1.3	2.1	5.9	2.5	0.9	0.8	2.5	1.0	0.5	-1.3	3.3	1.0	0.5	0.4	0.6
Netherlands.....	1.3	2.5	1.6	2.3	1.8	3.0	2.6	1.6	0.7	-0.1	2.4	2.3	3.2	3.3	2.8
Norway.....	2.7	3.3	2.1	-0.4	-2.8	-0.8	-0.8	-0.3	0.2	1.3	2.1	2.1	2.9	2.4	0.6
Portugal.....	-0.5	2.7	2.3	2.2	1.9	1.7	2.8	-1.6	-2.0	-1.0	-0.2	1.6	1.7	2.7	1.8
Spain.....	-0.9	2.2	3.1	2.9	4.1	2.6	0.2	-1.9	-4.3	-0.9	1.8	1.2	2.8	3.7	3.5
Sweden.....	1.0	0.6	0.8	1.4	1.5	0.9	-1.5	-4.4	-5.1	-0.8	1.4	-0.6	-0.6	1.2	2.4
Switzerland.....	2.0	2.3	2.5	2.6	2.7	3.2	1.8	-1.6	-0.7	-0.3	0.3	0.3	-0.3	1.2	0.6
Turkey.....	1.7	1.9	2.3	1.5	2.6	1.7	1.7	0.2	0.2	2.8	3.7	2.0	-2.5	2.8	2.2
<b>North America</b> .....	2.4	1.8	2.9	3.0	2.5	1.0	-1.2	-0.2	1.9	2.5	2.5	1.7	2.4	2.3	2.0
Canada.....	2.8	3.1	2.8	3.2	2.2	0.8	-1.8	-0.7	0.8	2.0	1.9	0.8	2.3	2.6	2.8
United States <sup>c</sup> .....	2.4	1.7	2.9	2.9	2.5	1.1	-1.1	-0.1	2.1	2.6	2.5	1.9	2.4	2.3	1.9
<b>Total above</b> .....	1.4	1.4	1.9	2.2	2.1	1.5	-0.2	-0.7	-0.1	1.1	1.7	1.2	1.3	2.0	1.8
Japan.....	0.6	0.5	0.4	1.2	1.5	1.7	2.0	1.1	0.4	0.1	0.2	0.5	1.1	-0.7	-0.8
<b>Total above, including Japan</b> ..	1.2	1.2	1.7	2.0	2.0	1.5	0.2	-0.4	-	0.9	1.4	1.0	1.3	1.5	1.4
<i>Memorandum items:</i>															
European Union <sup>e</sup> .....	0.5	1.0	1.1	1.6	1.8	1.8	0.4	-1.3	-1.8	-0.2	0.8	0.5	1.0	1.6	1.6
Euro area.....	0.2	1.1	1.0	1.3	1.7	2.1	1.4	-1.0	-1.8	-0.5	0.6	0.5	0.8	1.6	1.7

*Source:* Eurostat; OECD; national statistics.

*Note:* Total employment according to national account concept, while labour force survey concept is used for Canada, Israel, Turkey, United Kingdom; Austria (up to 1987); Portugal (up to 1990); Ireland, Netherlands, Spain (up to 1994). All aggregates exclude Israel.

<sup>a</sup> West Germany 1985-1991.

<sup>b</sup> Number of jobs.

<sup>c</sup> Full-time equivalent.

<sup>d</sup> Full-time occupied at the end of the year.

<sup>e</sup> Fifteen countries.

APPENDIX TABLE A.10

Standardized unemployment rates<sup>a</sup> in western Europe and North America, 1985-1999  
(Per cent of civilian labour force)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Western Europe</b> .....	9.4	9.4	9.3	8.8	8.1	7.6	7.7	8.4	10.1	10.5	10.0	10.0	9.9	9.4	8.8
<b>4 major countries</b> .....	9.3	9.3	9.2	8.6	7.9	7.3	7.4	8.0	9.8	10.1	9.8	10.0	10.1	9.7	9.2
France .....	10.2	10.3	10.5	10.0	9.4	9.0	9.5	10.4	11.7	12.3	11.7	12.4	12.3	11.8	11.3
Germany <sup>b</sup> .....	7.2	6.5	6.3	6.2	5.6	4.8	4.2	4.5	7.9	8.5	8.2	8.9	9.9	9.4	8.8
Italy .....	8.3	9.0	9.8	9.8	9.8	9.0	8.6	8.9	10.2	11.2	11.6	11.7	11.7	11.9	11.4
United Kingdom .....	11.5	11.6	10.6	8.7	7.3	7.1	8.9	10.0	10.5	9.6	8.7	8.2	7.0	6.3	6.1
<b>17 smaller countries</b> .....	9.6	9.5	9.4	9.0	8.5	8.0	8.2	9.1	10.6	11.2	10.4	10.1	9.6	9.0	8.3
Austria .....	3.6	3.1	3.8	3.6	3.1	3.2	3.5	3.6	4.0	3.8	3.9	4.4	4.4	4.5	3.8
Belgium .....	10.4	10.3	10.1	9.0	7.5	6.7	6.6	7.2	8.8	10.0	9.9	9.7	9.4	9.5	9.1
Cyprus <sup>c</sup> .....	3.3	3.7	3.4	2.8	2.3	1.8	3.0	1.8	2.6	2.7	2.6	3.1	3.4	3.3	3.8
Denmark .....	7.1	5.4	5.4	6.1	7.3	7.7	8.4	9.2	10.2	8.2	7.3	6.8	5.6	5.2	5.2
Finland .....	6.1	6.7	4.9	4.2	3.1	3.2	6.7	11.6	16.4	16.7	15.2	14.5	12.6	11.4	10.2
Greece .....	7.0	6.6	6.7	6.8	6.7	6.4	7.0	7.9	8.6	8.9	9.2	9.6	9.8	10.9	11.7
Iceland .....	0.9	0.6	0.5	0.6	1.6	1.8	2.6	4.3	5.3	5.4	4.9	3.8	3.9	2.7	2.1
Ireland .....	16.8	16.8	16.6	16.2	14.7	13.4	14.8	15.4	15.6	14.4	12.3	11.7	9.9	7.6	5.7
Israel <sup>d</sup> .....	6.7	7.1	6.1	6.4	8.9	9.6	10.6	11.2	10.0	7.8	6.9	6.7	7.7	8.5	8.9
Luxembourg .....	2.9	2.6	2.5	2.0	1.8	1.7	1.7	2.1	2.7	3.2	2.9	3.0	2.8	2.7	2.4
Malta <sup>e</sup> .....	8.1	6.9	4.4	4.0	3.7	3.8	3.6	4.0	4.5	4.1	3.8	4.4	5.0	5.1	5.3
Netherlands .....	8.3	8.3	8.1	7.6	6.9	6.2	5.8	5.6	6.6	7.1	6.9	6.3	5.2	4.1	3.3
Norway .....	2.7	2.0	2.1	3.2	5.0	5.3	5.6	6.0	6.1	5.5	5.0	4.9	4.1	3.3	3.3
Portugal .....	9.2	8.8	7.3	5.9	5.2	4.8	4.2	4.3	5.7	7.0	7.3	7.3	6.8	5.2	4.5
Spain .....	21.6	21.2	20.6	19.5	17.2	16.3	16.4	18.4	22.7	24.1	22.9	22.2	20.8	18.8	15.9
Sweden .....	2.9	2.7	2.2	1.8	1.6	1.7	3.1	5.6	9.1	9.4	8.8	9.6	9.9	8.3	7.2
Switzerland .....	0.9	0.8	0.7	0.6	0.5	0.5	2.0	3.1	4.0	3.8	3.5	3.9	4.2	3.5	3.1
Turkey <sup>d</sup> .....	7.1	7.9	8.3	8.4	8.7	8.2	7.9	7.9	7.6	8.1	6.9	6.1	6.4	6.8	7.6
<b>North America</b> .....	7.6	7.3	6.5	5.7	5.5	5.9	7.2	7.9	7.4	6.5	6.0	5.8	5.4	4.9	4.6
Canada .....	10.7	9.6	8.8	7.8	7.6	8.1	10.3	11.2	11.4	10.4	9.4	9.6	9.1	8.3	7.6
United States .....	7.2	7.0	6.2	5.5	5.3	5.6	6.8	7.5	6.9	6.1	5.6	5.4	4.9	4.5	4.2
<b>Total above</b> .....	8.6	8.5	8.1	7.5	7.0	6.8	7.5	8.2	9.0	8.8	8.3	8.2	7.9	7.4	7.0
Japan .....	2.6	2.8	2.9	2.5	2.3	2.1	2.1	2.2	2.5	2.9	3.2	3.4	3.4	4.1	4.7
<b>Total above, including Japan</b> ..	7.6	7.5	7.2	6.6	6.2	6.1	6.6	7.2	7.9	7.8	7.5	7.4	7.2	6.9	6.6
<i>Memorandum items:</i>															
European Union <sup>f</sup> .....	10.0	9.9	9.7	9.1	8.3	7.7	7.9	8.7	10.7	11.1	10.7	10.8	10.6	9.9	9.2
Euro area .....	10.1	10.0	10.0	9.6	8.9	8.2	7.8	8.5	10.9	11.6	11.3	11.5	11.5	10.9	10.0

Source: Eurostat; OECD; national statistics.

Note: All aggregates exclude Israel. Comparisons with previous years are limited by changes in methodology in Austria (1993), Finland (1984), Iceland (1991), Israel (1995), Norway (1989), Portugal (1983), Switzerland (1991) and the United States (1994).

<sup>a</sup> Eurostat-OECD definition except for Austria (1982-1992), Cyprus, Finland (1982-1983), Iceland (1982-1990), Israel, Malta, Switzerland (1982-1990) and Turkey.

<sup>b</sup> West Germany 1982-1990.

<sup>c</sup> Registered unemployment rate, average of monthly data.

<sup>d</sup> Definitions comply with ILO guidelines but do not follow the Eurostat-OECD standards.

<sup>e</sup> Registered unemployment rate at the end of the year.

<sup>f</sup> Fifteen countries.

APPENDIX TABLE A.11

**Consumer prices in western Europe and North America, 1985-1999**  
(Percentage change over previous year)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Western Europe</b> .....	6.1	3.6	3.3	3.6	5.1	5.6	5.1	4.5	3.6	3.0	3.0	2.4	2.0	1.7	1.3
<b>4 major countries</b> .....	5.5	2.6	2.8	3.2	4.9	5.2	4.6	4.2	3.3	2.7	2.9	2.4	2.0	1.6	1.2
France .....	5.8	2.7	3.1	2.7	3.6	3.3	3.2	2.4	2.1	1.7	1.7	2.0	1.2	0.7	0.5
Germany <sup>a</sup> .....	2.2	-0.2	0.3	1.2	2.8	2.7	3.6	5.1	4.5	2.7	1.8	1.5	1.8	0.9	0.6
Italy .....	9.2	5.8	4.8	5.1	6.3	6.5	6.3	5.3	4.6	4.1	5.2	3.9	1.7	1.8	2.2
United Kingdom .....	6.1	3.4	4.1	4.9	7.8	9.5	5.9	3.7	1.6	2.4	3.5	2.4	3.1	3.4	1.5
<b>16 smaller countries</b> .....	7.5	5.9	4.4	4.4	5.6	6.6	6.1	5.1	4.4	3.6	3.3	2.6	2.0	1.7	1.8
Austria .....	3.2	1.7	1.4	2.0	2.5	3.2	3.4	4.0	3.7	3.0	2.2	1.9	1.3	0.9	0.6
Belgium .....	4.9	1.3	1.5	1.1	3.2	3.4	3.2	2.4	2.8	2.4	1.5	2.0	1.6	1.0	1.1
Cyprus .....	5.1	1.2	2.8	3.4	3.8	4.5	5.0	6.5	4.9	4.7	2.6	2.9	3.6	2.2	1.7
Denmark .....	4.7	3.6	4.0	4.6	4.8	2.7	2.4	2.1	1.3	2.0	2.1	2.0	2.2	1.9	2.5
Finland .....	5.9	2.9	4.1	5.1	6.6	6.2	4.3	3.0	2.1	1.1	1.0	0.6	1.2	1.4	1.2
Greece .....	19.3	23.0	16.4	13.5	13.7	20.4	19.5	15.9	14.4	10.7	8.8	8.3	5.5	4.8	2.6
Iceland .....	32.6	22.7	18.8	19.1	20.8	15.4	6.8	3.7	4.1	1.5	1.7	2.3	1.8	1.7	3.4
Ireland .....	5.4	3.8	3.1	2.1	4.1	3.3	3.2	3.1	1.4	2.4	2.5	1.7	1.4	2.4	1.6
Israel .....	304.6	48.1	19.9	16.3	20.2	17.2	19.0	12.0	11.0	12.3	10.1	11.3	9.0	5.4	5.2
Luxembourg .....	4.1	0.3	-0.1	1.4	3.4	3.3	3.1	3.2	3.6	2.2	1.9	1.3	1.4	1.0	1.0
Malta .....	-0.3	2.0	0.5	0.9	0.9	3.0	2.5	1.6	4.1	4.1	4.0	2.5	3.2	2.2	2.1
Netherlands .....	2.3	0.2	-0.8	0.7	1.1	2.5	3.1	3.2	2.6	2.7	2.0	2.0	2.2	2.0	2.2
Norway .....	5.7	7.2	8.7	6.7	4.6	4.1	3.4	2.3	2.3	1.4	2.4	1.3	2.6	2.3	2.3
Portugal .....	19.6	11.8	9.4	9.7	12.6	13.4	10.5	9.5	6.7	5.4	4.2	3.1	2.3	2.8	2.3
Spain .....	8.8	8.8	5.2	4.8	6.9	6.7	5.9	5.9	4.6	4.8	4.6	3.6	2.0	1.8	2.3
Sweden .....	7.4	4.2	4.2	5.8	6.5	10.4	9.4	2.2	4.7	2.2	2.5	0.5	0.5	-0.1	0.4
Switzerland .....	3.4	0.8	1.4	1.9	3.2	5.5	5.8	4.1	3.3	0.8	1.8	0.8	0.5	-	0.8
Turkey .....	45.7	34.3	37.8	69.4	63.3	60.3	65.8	70.1	66.2	105.2	88.0	79.8	84.8	86.2	64.9
<b>North America</b> .....	3.6	2.0	3.7	4.1	4.8	5.4	4.3	2.9	2.9	2.4	2.8	2.9	2.2	1.5	2.2
Canada .....	4.0	4.1	4.4	4.0	5.0	4.8	5.6	1.5	1.8	0.2	2.2	1.6	1.6	0.9	1.7
United States .....	3.6	1.9	3.6	4.1	4.8	5.4	4.2	3.0	3.0	2.6	2.8	3.0	2.3	1.6	2.2
<b>Total above</b> .....	4.7	2.7	3.5	3.9	5.0	5.5	4.6	3.6	3.2	2.7	2.9	2.7	2.1	1.6	1.8
Japan .....	2.0	0.7	-	0.7	2.4	3.1	3.2	1.7	1.3	0.7	-0.1	0.1	1.8	0.6	-0.3
<b>Total above, including Japan</b> .....	4.3	2.4	3.0	3.4	4.6	5.1	4.4	3.3	3.0	2.4	2.5	2.3	2.1	1.4	1.5
<i>Memorandum items:</i>															
European Union <sup>b</sup> .....	6.1	3.6	3.3	3.6	5.2	5.6	5.1	4.5	3.7	3.1	3.1	2.5	2.0	1.7	1.3
Euro area .....	5.8	3.1	2.7	3.0	4.4	4.4	4.5	4.5	3.8	3.0	2.9	2.4	1.7	1.3	1.3

*Source:* National statistics.

*Note:* All aggregates exclude Israel and Turkey. Growth rates of regional aggregates have been calculated as weighted averages of growth rates in individual countries. Weights were derived from 1996 private final consumption expenditure converted from national currency units into dollars using 1996 purchasing power parities.

<sup>a</sup> West Germany 1985-1991.

<sup>b</sup> Fifteen countries.

APPENDIX TABLE B.1

**Real GDP/NMP in the ECE transition economies, 1980, 1986-1999**  
(Indices, 1989=100)

	1980	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Eastern Europe</b> .....	88.7	97.8	99.4	100.8	100.0	93.2	82.9	79.3	79.0	82.1	86.9	90.3	92.1	93.8	95.1
Albania .....	79.4	93.1	92.4	91.0	100.0	90.0	64.8	60.1	65.9	71.4	80.9	88.2	82.0	88.6	95.0
Bosnia and Herzegovina .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bulgaria .....	76.2	93.6	99.3	101.9	100.0	90.9	83.3	77.2	76.1	77.5	79.7	71.6	66.6	68.9	70.6
Croatia <sup>a</sup> .....	99.0	102.6	102.5	101.6	100.0	92.9	73.3	64.7	59.5	63.0	67.3	71.3	76.2	78.1	77.9
Czech Republic .....	..	93.2	93.7	95.7	100.0	98.8	87.3	86.9	86.9	88.8	94.1	98.7	97.7	95.5	95.3
Hungary .....	86.3	95.5	99.4	99.3	100.0	96.5	85.0	82.4	81.9	84.4	85.6	86.8	90.7	95.1	99.4
Poland .....	91.1	94.1	95.9	99.8	100.0	88.4	82.2	84.4	87.6	92.1	98.6	104.5	111.7	117.1	121.9
Romania .....	88.5	105.8	106.7	106.2	100.0	94.4	82.2	75.0	76.2	79.2	84.8	88.2	82.8	78.3	75.8
Slovakia .....	..	94.8	97.1	99.0	100.0	97.5	83.3	77.9	75.1	78.7	84.0	89.2	94.8	98.6	100.5
Slovenia .....	98.9	104.1	103.5	100.5	100.0	91.9	83.7	79.1	81.4	85.7	89.3	92.4	96.6	100.3	105.3
The former Yugoslav															
Republic of Macedonia .....	93.3	102.7	101.4	98.1	100.0	89.8	84.3	78.7	72.8	71.6	70.8	71.6	72.6	74.8	76.8
Yugoslavia <sup>a</sup> .....	95.7	101.4	100.2	98.8	100.0	92.1	81.4	58.7	40.6	41.7	44.2	46.8	50.3	51.5	41.6
<b>Baltic states</b> .....	67.8	85.6	89.0	96.0	100.0	97.8	89.9	67.9	58.2	55.2	56.4	58.8	63.7	66.7	65.1
Estonia .....	74.5	88.2	89.2	93.8	100.0	91.9	82.7	71.0	65.0	63.7	66.4	69.0	76.3	79.9	79.1
Latvia .....	68.5	85.1	89.0	93.6	100.0	102.9	92.2	60.1	51.1	51.5	51.0	52.7	57.3	59.5	59.5
Lithuania .....	64.7	84.9	88.9	98.4	100.0	96.7	91.2	71.8	60.2	54.3	56.1	58.7	63.0	66.2	63.4
<b>CIS<sup>b,c</sup></b> .....	77.5	92.4	93.9	98.1	100.0	96.8	90.9	78.0	70.4	60.3	56.9	55.0	55.6	54.0	55.5
Armenia .....	73.5	97.7	94.5	92.2	100.0	94.5	83.4	48.6	44.3	46.7	49.9	52.8	54.6	58.6	60.5
Azerbaijan .....	79.6	100.6	105.1	109.7	100.0	88.3	87.7	67.9	52.2	41.9	37.0	37.4	39.6	43.6	46.8
Belarus .....	65.7	88.9	91.3	92.4	100.0	98.1	96.9	87.6	81.0	70.8	63.4	65.2	72.6	78.7	81.4
Georgia .....	79.4	98.8	96.8	103.6	100.0	84.9	67.0	36.9	26.1	23.4	24.0	26.7	29.5	30.4	31.3
Kazakhstan .....	87.0	92.3	92.1	100.1	100.0	99.0	88.1	83.4	75.8	66.2	60.8	61.1	62.1	60.9	62.0
Kyrgyzstan .....	69.1	83.6	84.7	95.6	100.0	104.8	96.5	83.2	70.3	56.2	53.1	56.9	62.5	63.9	66.2
Republic of Moldova .....	72.1	89.2	90.3	91.9	100.0	97.6	80.5	57.2	56.5	39.0	38.3	36.0	36.6	34.2	32.7
Russian Federation .....	78.1	92.9	94.2	98.4	100.0	97.0	92.2	78.8	71.9	62.8	60.2	58.2	58.7	55.8	57.6
Tajikistan .....	80.8	95.0	93.9	106.9	100.0	100.2	91.7	62.1	52.0	40.9	35.8	29.8	30.3	32.0	33.1
Turkmenistan .....	80.7	93.4	97.1	107.5	100.0	101.8	97.0	82.5	83.7	69.2	64.2	68.5	60.7	63.8	74.0
Ukraine .....	75.0	90.0	93.4	95.2	100.0	96.4	88.0	79.3	68.0	52.5	46.1	41.5	40.2	39.4	39.3
Uzbekistan .....	76.0	88.0	88.4	97.0	100.0	99.2	98.7	87.7	85.7	81.2	80.5	81.9	86.1	89.9	93.9
<b>Total above</b> .....	80.3	93.7	95.2	98.7	100.0	95.9	88.8	78.2	72.4	65.9	64.8	64.3	65.4	64.6	66.1
<i>Memorandum items:</i>															
<b>CETE-5</b> .....	88.6	95.1	97.3	99.6	100.0	93.3	84.1	83.8	85.0	88.5	93.5	98.0	102.4	105.7	109.0
<b>SETE-7</b> .....	88.8	102.4	103.1	102.9	100.0	93.1	80.8	71.4	68.5	70.9	75.3	76.7	74.1	72.9	70.7
Czechoslovakia <sup>b</sup> .....	84.9	95.1	97.0	99.3	100.0	98.5	84.4	78.8	..	..	..	..	..	..	..
Yugoslavia (SFR) <sup>a</sup> .....	97.7	103.0	101.0	99.4	100.0	92.4	..	..	..	..	..	..	..	..	..
Former Soviet Union <sup>b</sup> .....	77.3	92.2	93.8	98.0	100.0	96.8	90.9	77.7	70.1	60.2	56.9	55.1	55.9	54.3	55.8
Former GDR .....	..	..	..	..	100.0	84.5	68.3	73.6	80.4	88.2	92.0	95.0	96.6	98.5	..

*Source:* UN/ECE Common Database, derived from national and CIS statistics.

*Note:* Data for the east European countries are based on a GDP measure, except where otherwise mentioned. For the countries of the former Soviet Union, NMP data for 1980-1990 were chain-linked to GDP data from 1990. Country indices were aggregated with previous year PPP-based weights obtained from the European Comparison Programme for 1996.

<sup>a</sup> Gross material product (1980-1989 for Croatia).

<sup>b</sup> Sum of individual country data for former members.

<sup>c</sup> Net material product for 1980-1990 (until 1992 in the case of Turkmenistan).

APPENDIX TABLE B.2

**Real total consumption expenditure in the ECE transition economies, 1980, 1986-1999**  
(Indices, 1989=100 or earliest year available thereafter)

	1980	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Bulgaria .....	..	..	..	..	100.0	100.6	92.3	89.4	86.2	82.3	80.7	75.3	64.0	68.8	72.0
Croatia .....	..	..	..	..	..	..	100.0	87.2	85.3	92.0	106.6	106.5	117.1	118.4	115.9
Czech Republic .....	..	..	91.3	93.1	100.0	104.9	85.5	88.4	90.2	94.5	97.2	103.0	104.6	102.3	103.2
Hungary .....	92.2	101.5	104.9	102.0	100.0	97.3	92.2	92.8	97.9	95.6	89.3	86.6	88.6	91.7	95.6
Poland .....	108.0	109.3	111.8	114.7	100.0	88.3	94.9	98.2	103.0	107.0	110.5	118.4	125.6	130.8	136.4
Romania .....	83.9	85.8	88.7	90.6	100.0	108.9	96.0	90.7	91.8	95.3	105.5	112.9	108.1	103.7	99.1
Slovakia .....	..	85.4	89.2	92.1	100.0	103.3	76.9	75.6	74.2	71.5	73.9	82.4	86.5	91.1	89.2
Slovenia .....	..	..	..	..	..	100.0	91.6	88.8	99.1	102.6	110.2	113.3	116.9	121.5	128.9
The former Yugoslav Republic of Macedonia .....	..	..	..	..	..	100.0	93.9	84.2	89.7	95.9	94.2	96.4	98.4	101.9	102.4
Estonia .....	..	..	..	..	..	..	..	..	100.0	101.2	110.4	116.5	124.4	131.3	131.8
Latvia .....	..	..	..	..	..	100.0	76.7	49.2	46.5	47.4	47.0	50.8	52.7	56.0	55.5
Lithuania .....	..	..	..	..	..	..	..	..	..	..	100.0	108.2	116.4	125.4	120.2
Armenia .....	..	..	..	..	..	100.0	97.4	84.9	66.4	68.9	74.5	76.8	81.7	85.4	85.7
Azerbaijan .....	..	..	..	..	..	..	..	..	100.0	80.3	78.0	84.3	93.2	103.8	..
Belarus .....	..	..	..	..	..	100.0	93.4	84.0	82.1	72.1	65.3	67.4	73.8	81.2	84.6
Georgia .....	..	..	..	..	..	100.0	79.2	77.1	45.4	42.4	46.1	..	..	..	..
Kazakhstan .....	..	..	..	..	..	100.0	96.8	96.1	84.9	67.7	55.0	51.3	51.8	49.0	48.3
Kyrgyzstan .....	..	..	..	..	..	..	100.0	87.2	77.1	62.0	52.0	55.3	50.8	58.5	60.9
Republic of Moldova .....	..	..	..	..	..	..	..	..	100.0	82.6	90.3	99.7	111.5	109.3	92.9
Russian Federation .....	..	..	..	..	..	100.0	93.9	89.0	88.1	85.8	83.3	80.7	82.7	76.7	72.6
Ukraine .....	..	..	..	..	..	100.0	94.3	88.6	72.0	65.0	62.6	57.4	56.4	56.3	56.6

Source: UN/ECE Common Database, derived from national and CIS statistics.

APPENDIX TABLE B.3

**Real gross fixed capital formation in the ECE transition economies, 1980, 1986-1999**  
(Indices, 1989=100 or earliest year available thereafter)

	1980	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Bulgaria .....	..	..	..	..	..	100.0	80.0	74.1	61.2	61.9	71.8	56.6	43.0	57.2	71.7
Croatia .....	..	..	..	..	..	..	100.0	88.5	94.5	93.6	108.2	148.8	183.5	189.0	177.9
Czech Republic .....	..	..	93.4	99.4	100.0	97.9	71.1	82.8	83.0	90.5	108.5	117.3	113.9	109.4	103.4
Hungary .....	114.7	100.8	110.7	100.6	100.0	92.9	83.1	81.0	82.6	92.9	88.9	94.8	103.6	117.3	125.0
Poland .....	124.6	116.4	116.5	126.5	100.0	75.2	71.9	73.6	75.7	82.6	96.2	115.2	140.1	160.0	171.1
Romania .....	163.7	163.3	161.0	157.6	100.0	64.4	44.0	48.9	52.9	63.9	68.3	72.2	73.4	69.6	62.1
Slovakia .....	..	..	..	..	..	100.0	74.8	71.5	67.7	64.6	68.0	89.7	100.4	111.6	90.6
Slovenia .....	..	..	..	..	..	100.0	88.5	77.1	85.4	97.4	113.8	123.9	138.2	153.9	180.1
The former Yugoslav Republic of Macedonia .....	..	..	..	..	..	100.0	95.8	79.9	73.6	67.3	74.1	79.0	75.6	76.7	77.6
Estonia .....	..	..	..	..	..	..	..	..	100.0	106.2	110.5	123.1	144.6	161.0	136.5
Latvia .....	..	..	..	..	..	100.0	36.1	25.7	21.6	21.8	23.7	29.0	35.0	50.4	45.1
Lithuania .....	..	..	..	..	..	..	..	..	..	..	100.0	117.6	143.6	157.8	149.0
Armenia .....	..	..	..	..	..	100.0	67.0	8.6	7.9	11.5	9.5	10.5	10.7	12.0	12.1
Azerbaijan .....	..	..	..	..	..	..	..	100.0	61.0	115.3	94.5	199.8	333.7	483.9	..
Belarus .....	..	..	..	..	..	100.0	105.3	85.6	79.1	68.3	48.1	46.6	56.7	62.5	59.1
Georgia .....	..	..	..	..	..	100.0	67.3	49.2	18.5	133.4	219.9	..	..	..	..
Kazakhstan .....	..	..	..	..	..	100.0	74.2	61.9	44.2	39.2	24.4	18.5	19.2	19.3	19.2
Kyrgyzstan .....	..	..	..	..	..	..	100.0	70.7	55.3	39.3	63.2	54.9	38.7	38.1	33.5
Republic of Moldova .....	..	..	..	..	..	..	..	..	100.0	56.5	50.8	63.8	60.4	66.0	53.2
Russian Federation .....	..	..	..	..	..	100.0	84.5	49.4	36.7	27.1	24.6	20.4	18.9	17.7	17.4
Ukraine .....	..	..	..	..	..	100.0	81.6	69.3	48.2	28.4	19.7	15.2	15.5	15.9	15.9

Source: UN/ECE Common Database, derived from national and CIS statistics.

APPENDIX TABLE B.4

Real gross industrial output in the ECE transition economies, 1980, 1986-1999  
(Indices, 1989=100)

	1980	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Eastern Europe</b> .....	82.8	96.0	98.5	100.6	100.0	85.9	70.1	62.8	61.4	65.3	70.2	73.8	77.4	78.5	78.0
Albania .....	77.0	91.9	93.3	95.2	100.0	86.7	50.4	35.2	31.7	25.8	23.9	18.1	18.6	22.7	26.3
Bosnia and Herzegovina .....	106.0	104.1	101.1	98.1	100.0	101.8	76.9	25.5	2.0	1.7	2.8	5.2	7.0	8.7	9.6
Bulgaria .....	71.3	92.4	98.0	101.1	100.0	83.2	66.4	54.2	48.8	54.0	56.4	59.3	53.4	49.1	43.1
Croatia .....	88.7	99.4	102.0	100.6	100.0	88.7	63.4	54.2	51.0	49.6	49.7	51.3	54.8	56.8	56.0
Czech Republic .....	81.5	94.5	96.5	98.5	100.0	96.6	75.7	69.8	66.1	67.4	73.3	74.8	78.1	79.4	76.9
Hungary .....	92.9	104.0	106.4	105.3	100.0	90.7	74.0	66.8	69.5	76.2	79.7	82.4	91.5	103.0	114.0
Poland .....	86.3	92.3	95.5	100.5	100.0	75.8	69.7	71.7	76.3	85.5	93.8	101.6	113.3	117.3	122.3
Romania .....	76.9	96.8	99.2	101.9	100.0	81.9	63.3	49.4	50.1	51.7	56.6	60.1	55.8	48.1	42.7
Slovakia .....	76.7	95.2	98.6	100.8	100.0	94.0	73.1	66.1	63.6	66.8	72.3	74.2	76.2	79.1	76.4
Slovenia .....	90.3	102.7	101.6	98.9	100.0	89.5	78.4	68.1	66.1	70.4	71.8	72.5	73.2	75.9	75.6
The former Yugoslav															
Republic of Macedonia .....	72.1	95.0	97.3	95.6	100.0	89.4	74.0	62.3	53.7	48.0	42.9	44.3	45.0	47.0	45.8
Yugoslavia .....	80.0	96.8	97.6	98.4	100.0	88.0	72.5	57.0	35.7	36.2	37.6	40.4	44.2	45.8	35.2
<b>Baltic states</b> .....	72.1	88.9	92.7	96.6	100.0	98.6	95.1	64.7	44.4	36.3	37.1	38.9	42.1	44.6	41.3
Estonia .....	78.5	93.5	96.3	99.3	100.0	100.0	92.8	59.8	48.6	47.1	48.0	49.4	56.6	59.0	56.7
Latvia .....	72.5	89.9	93.7	97.1	100.0	100.8	100.2	65.6	44.6	40.1	38.7	40.8	46.4	47.9	45.3
Lithuania .....	70.0	87.2	91.2	95.6	100.0	97.4	94.0	65.8	43.2	31.7	33.4	35.0	36.2	39.2	35.3
<b>CIS<sup>a</sup></b> .....	73.4	91.2	94.5	98.2	100.0	99.9	93.1	78.2	68.4	53.6	50.7	49.0	50.2	48.7	52.2
Armenia .....	76.3	105.3	110.3	109.1	100.0	92.5	85.4	44.2	39.5	41.6	42.2	42.8	43.2	42.3	44.5
Azerbaijan .....	76.1	92.7	96.1	99.4	100.0	93.7	85.4	59.4	47.7	35.9	28.2	26.3	26.4	27.0	28.0
Belarus .....	61.1	84.3	89.9	95.6	100.0	102.1	101.1	91.8	83.2	71.0	62.7	64.9	77.1	86.7	95.6
Georgia .....	70.6	93.9	96.2	99.3	100.0	94.3	73.0	39.6	25.0	15.2	13.2	14.1	15.2	15.0	16.1
Kazakhstan .....	72.4	90.2	94.1	97.6	100.0	99.2	98.3	84.7	72.2	51.9	47.7	47.8	49.7	48.5	49.8
Kyrgyzstan .....	66.7	87.8	89.0	95.1	100.0	99.4	99.1	73.5	56.3	35.5	26.7	27.8	38.8	40.9	40.2
Republic of Moldova .....	68.7	87.3	91.6	94.6	100.0	103.2	91.7	66.9	67.1	48.5	46.6	43.6	43.6	37.0	33.7
Russian Federation .....	74.4	91.8	95.0	98.6	100.0	99.9	91.9	75.4	64.7	51.2	49.5	47.5	48.5	46.0	49.7
Tajikistan .....	72.9	88.7	93.1	98.2	100.0	101.2	97.6	73.9	68.1	50.8	43.9	33.4	32.7	35.4	37.4
Turkmenistan .....	75.4	90.1	92.9	96.9	100.0	103.2	108.2	92.0	95.7	72.1	67.5	79.5	53.8	54.0	62.0
Ukraine .....	72.6	90.0	93.4	97.3	100.0	99.9	95.1	89.0	81.9	59.5	52.4	49.7	49.6	49.1	51.0
Uzbekistan .....	68.5	91.2	93.4	96.5	100.0	101.8	103.3	96.4	99.9	101.5	101.6	104.2	108.5	112.4	119.2
<b>Total above</b> .....	76.5	92.8	95.8	99.0	100.0	95.2	85.4	72.7	65.4	57.2	56.9	57.1	59.2	58.6	60.6
<i>Memorandum items:</i>															
<b>CETE-5</b> .....	85.4	95.8	98.3	100.7	100.0	87.0	73.1	69.6	70.4	76.0	82.2	86.3	93.5	97.7	100.4
<b>SETE-7</b> .....	78.6	96.3	98.8	100.6	100.0	84.1	65.4	52.0	47.0	48.3	51.1	53.9	51.8	48.0	42.5
Czechoslovakia .....	80.5	94.8	97.2	99.2	100.0	96.5	75.2	67.6	..	..	..	..	..	..	..
Yugoslavia (SFR) <sup>a</sup> .....	86.9	99.3	99.7	98.7	100.0	88.3	71.7	..	..	..	..	..	..	..	..
Former Soviet Union .....	73.4	91.1	94.5	98.2	100.0	99.8	93.2	77.7	67.5	53.0	50.2	48.6	49.9	48.6	51.8
Former GDR .....	75.2	92.5	94.7	97.7	100.0	72.7	37.0	34.8	36.8	42.0	44.4	45.9	49.1	52.8	55.3

Source: UN/ECE Common Database, derived from national and CIS statistics.

Note: Data for former Czechoslovakia and the SFR of Yugoslavia for 1980 until the breakup obtained as sum of individual country data for former members. For the countries of the former Soviet Union, data for 1980-1990 were chain-linked to national or CIS data from 1990. Country indices were aggregated with previous year PPP-based weights on the basis of data obtained from the European Comparison Programme for 1996.

<sup>a</sup> Generated from components.



APPENDIX TABLE B.5

**Total employment in the ECE transition economies, 1980, 1986-1999**  
(Indices, 1989=100)

	1980	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Eastern Europe</b> .....	96.7	99.5	100.0	99.9	100.0	97.1	90.7	85.4	82.6	82.6	82.2	82.7	82.7	83.0	81.2
Albania .....	77.9	93.1	95.9	97.6	100.0	99.2	97.5	76.0	72.7	80.7	79.0	77.5	76.9	75.3	74.0
Bosnia and Herzegovina .....	..	..	..	..	100.0	97.1	58.1	22.1	9.9	9.1	10.1	22.5	34.4	36.4	37.6
Bulgaria .....	100.0	102.5	102.8	102.4	100.0	93.9	81.6	75.0	73.8	74.3	75.2	75.3	72.3	72.2	70.4
Croatia .....	87.4	98.6	100.6	100.4	100.0	97.1	89.2	79.3	76.6	74.8	73.9	74.5	73.9	78.8	78.5
Czech Republic .....	95.3	98.5	98.9	99.4	100.0	99.1	93.6	91.2	89.7	90.4	92.8	93.4	91.6	90.2	86.9
Hungary <sup>a</sup> .....	104.2	102.6	101.7	100.7	100.0	96.7	86.7	78.1	73.2	71.8	70.4	69.8	69.8	70.7	72.9
Poland .....	102.0	101.1	100.8	100.1	100.0	95.8	90.1	86.3	84.3	85.1	86.7	88.3	90.8	92.9	92.4
Romania <sup>b</sup> .....	94.6	97.5	97.9	98.7	100.0	99.0	98.5	95.5	91.9	91.5	86.7	85.7	82.4	80.5	76.9
Slovakia <sup>b</sup> .....	90.8	98.0	99.0	99.8	100.0	98.2	85.9	86.8	84.6	83.7	85.7	84.5	82.6	81.8	78.0
Slovenia <sup>c</sup> .....	84.0	90.4	101.9	101.3	100.0	96.1	88.7	83.8	81.3	79.3	79.1	78.7	78.6	78.7	80.2
The former Yugoslav Republic of Macedonia .....	81.2	98.6	99.9	99.7	100.0	98.2	90.7	86.4	81.5	76.6	69.0	65.8	61.8	60.1	61.1
Yugoslavia .....	83.4	96.5	99.0	99.8	100.0	97.0	94.1	90.9	88.3	86.5	85.3	84.8	89.9	89.7	80.5
<b>Baltic states</b> <sup>d</sup> .....	94.9	98.8	99.4	99.6	100.0	98.5	98.9	94.4	89.0	83.2	80.6	80.1	80.9	80.5	79.5
Estonia .....	..	97.9	97.6	97.6	100.0	98.6	96.4	91.4	84.5	82.7	78.3	77.0	77.4	76.4	73.3
Latvia .....	97.0	99.8	100.4	100.5	100.0	100.1	99.3	92.0	85.6	77.0	74.3	72.3	73.7	74.1	73.8
Lithuania .....	93.4	98.5	99.5	99.8	100.0	97.3	99.7	97.5	93.4	88.0	86.4	87.2	87.7	87.0	86.6
<b>CIS</b> .....	93.8	97.8	98.4	98.8	100.0	100.2	98.9	96.6	94.2	91.4	90.5	89.8	88.5	87.5	..
Armenia .....	86.6	98.6	99.5	101.4	100.0	102.4	105.0	99.2	97.0	93.5	92.8	90.2	86.2	84.0	82.9
Azerbaijan .....	62.7	72.8	74.7	75.2	100.0	100.9	101.7	101.4	101.2	98.9	98.4	100.5	100.7	100.9	100.9
Belarus .....	95.4	98.8	99.0	99.5	100.0	99.1	96.6	94.1	92.9	90.4	84.8	84.0	84.1	85.0	85.5
Georgia .....	92.7	100.1	101.0	101.1	100.0	102.3	93.3	73.5	66.4	64.8	79.0	79.1	82.7	84.6	..
Kazakhstan .....	86.2	93.5	94.7	96.0	100.0	101.3	100.1	98.3	89.9	85.4	85.0	84.6	84.0	79.5	79.2
Kyrgyzstan .....	81.9	95.0	97.9	98.7	100.0	100.5	99.6	105.6	96.6	94.6	94.4	95.0	97.1	98.0	101.5
Republic of Moldova <sup>e</sup> .....	97.3	99.6	99.7	98.9	100.0	99.1	99.0	98.0	80.7	80.4	80.0	79.4	78.7	78.5	71.5
Russian Federation .....	96.9	99.5	99.7	99.9	100.0	99.6	97.7	95.3	93.7	90.6	87.9	87.2	85.5	84.2	84.6
Tajikistan .....	76.7	91.2	94.5	96.9	100.0	103.2	104.9	101.6	98.7	98.7	98.6	92.1	95.3	95.6	91.9
Turkmenistan .....	79.8	95.8	98.5	101.2	100.0	103.4	107.0	110.5	114.0	118.5	122.5	124.7	127.2	128.8	129.7
Ukraine .....	99.6	100.5	100.3	99.9	100.0	99.9	98.3	96.3	94.1	90.5	93.3	91.3	88.8	87.9	85.8
Uzbekistan .....	75.4	88.9	93.2	95.9	100.0	104.2	109.2	108.7	108.5	109.9	110.8	112.3	113.8	115.4	116.5
<b>Total above</b> .....	94.6	98.3	98.8	99.1	100.0	99.3	96.6	93.4	90.9	88.8	88.0	87.6	86.8	86.1	..
<i>Memorandum items:</i>															
<b>CETE-5</b> .....	99.7	100.3	100.5	100.1	100.0	96.7	89.8	85.8	83.3	83.5	84.7	85.5	86.4	87.4	86.6
<b>SETE-7</b> .....	92.3	98.2	99.2	99.7	100.0	97.6	91.9	84.9	81.5	81.4	78.9	78.8	77.7	77.0	73.8
<i>Former Soviet Union</i> .....	93.8	97.8	98.4	98.8	100.0	100.2	98.9	96.5	94.0	91.2	90.2	89.5	88.3	87.3	..

Source: UN/ECE Common Database, derived from national and CIS statistics.

<sup>a</sup> End of year, up to 1992; since 1992, annual average.

<sup>b</sup> End of year.

<sup>c</sup> Self-employed excluded until 1987.

<sup>d</sup> Excluding Estonia until 1985.

<sup>e</sup> Excluding Transnistria since 1993.

## APPENDIX TABLE B.6

## Employment in industry in the ECE transition economies, 1989-1999

(Indices, 1989=100)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Eastern Europe</b>	100.0	95.6	86.7	76.7	71.9	69.5	68.6	68.3	66.2	65.1	61.7
Albania	..	..	..	..	..	..	..	..	..	..	..
Bosnia and Herzegovina	100.0	98.3	60.3	23.3	8.3	9.2	18.7	22.0	26.8	28.9	28.9
Bulgaria	100.0	91.0	74.7	64.8	59.5	57.3	56.0	55.4	53.0	50.8	46.7
Croatia	100.0	102.4	84.8	70.3	70.4	67.3	59.5	59.0	56.6	60.0	58.3
Czech Republic	100.0	95.8	92.2	85.1	81.0	76.6	77.1	76.4	76.0	75.5	73.0
Hungary	100.0	97.0	85.4	77.3	69.1	66.0	62.5	61.9	63.0	65.9	66.4
Poland	100.0	93.7	86.1	76.7	74.4	73.8	76.2	75.6	75.8	75.0	72.8
Romania	100.0	96.5	91.6	79.5	73.0	69.4	65.4	66.0	59.0	55.8	49.5
Slovakia	100.0	95.7	88.2	78.7	74.0	71.7	71.6	71.6	70.2	67.3	65.4
Slovenia	100.0	95.1	85.2	84.6	78.1	75.1	72.2	71.5	68.5	67.8	66.7
The former Yugoslav											
Republic of Macedonia	100.0	95.3	87.3	81.6	77.5	72.9	63.1	59.0	54.4	52.5	55.4
Yugoslavia	100.0	100.9	92.1	87.2	85.0	82.7	80.6	78.8	76.3	74.2	65.3
<b>Baltic states</b>	100.0	96.8	95.5	87.0	74.2	63.1	60.8	58.0	57.7	55.8	54.0
Estonia	100.0	97.0	93.0	85.8	73.6	70.7	76.4	73.1	68.9	67.5	63.6
Latvia	100.0	97.0	92.1	81.4	69.0	56.3	53.1	50.1	51.9	47.6	45.7
Lithuania	100.0	96.7	99.0	91.4	78.0	64.5	59.5	57.0	57.1	56.5	55.7
<b>CIS</b>	100.0	97.9	96.7	91.8	88.3	79.7	73.3	69.2	63.8	62.6	..
Armenia	100.0	102.6	95.0	84.0	75.2	73.7	62.8	52.9	47.5	43.4	42.5
Azerbaijan	100.0	97.1	94.9	88.9	81.1	77.4	72.9	58.6	50.1	52.0	52.8
Belarus	100.0	98.6	96.9	92.1	88.5	84.4	75.2	74.4	74.5	75.5	76.2
Georgia	100.0	104.2	92.6	66.0	56.5	51.6	46.8	33.6	25.8	26.4	..
Kazakhstan	100.0	98.5	99.9	96.2	83.6	76.9	69.6	66.9	59.0	57.8	57.9
Kyrgyzstan	100.0	99.9	92.7	89.5	80.5	72.0	61.2	54.6	51.2	50.1	47.4
Republic of Moldova <sup>a</sup>	100.0	102.4	95.1	93.1	55.0	52.1	44.7	43.9	42.9	40.8	35.9
Russian Federation	100.0	97.2	96.1	91.3	89.8	80.7	74.1	70.4	64.5	63.0	62.6
Tajikistan	100.0	102.5	100.8	98.2	86.1	81.9	71.9	71.1	62.5	60.1	51.4
Turkmenistan	100.0	104.2	100.8	101.0	110.7	110.5	115.4	119.9	132.9	150.2	152.9
Ukraine	100.0	98.1	97.3	92.7	87.9	78.3	72.2	66.8	61.2	59.3	54.4
Uzbekistan	100.0	101.5	102.5	101.5	103.2	90.1	92.3	93.5	93.7	94.1	94.9
<b>Total above</b>	100.0	97.2	93.5	86.9	82.8	76.1	71.5	68.7	64.5	63.2	..
<i>Memorandum items:</i>											
<b>CETE-5</b>	100.0	94.9	87.5	79.1	75.1	73.0	73.6	73.1	73.0	72.7	70.9
<b>SETE-7</b>	100.0	96.5	85.9	73.8	68.2	65.3	62.5	62.4	58.1	56.0	50.7
<i>Former Soviet Union</i>	100.0	97.9	96.7	91.6	87.9	79.2	72.9	68.9	63.6	62.3	..

Source: UN/ECE Common Database, derived from national and CIS statistics.

<sup>a</sup> Excluding Transnistria since 1993.

APPENDIX TABLE B.7

**Registered unemployment in the ECE transition economies, 1990-1999**  
(Per cent of labour force, end-of-period)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Eastern Europe</b> .....	..	9.6	12.4	14.0	13.6	12.5	11.7	11.9	12.6	14.6
Albania .....	9.5	9.2	27.0	22.0	18.0	12.9	12.3	14.9	17.6	18.2
Bosnia and Herzegovina .....	..	..	..	..	..	..	..	39.0	38.5	39.1
Bulgaria .....	1.8	11.1	15.3	16.4	12.8	11.1	12.5	13.7	12.2	16.0
Croatia .....	..	14.1	17.8	16.6	17.3	17.6	15.9	17.6	18.6	20.8
Czech Republic .....	0.7	4.1	2.6	3.5	3.2	2.9	3.5	5.2	7.5	9.4
Hungary .....	1.7	7.4	12.3	12.1	10.9	10.4	10.5	10.4	9.1	9.6
Poland .....	6.5	12.2	14.3	16.4	16.0	14.9	13.2	10.3	10.4	13.0
Romania .....	1.3	3.0	8.2	10.4	10.9	9.5	6.6	8.8	10.3	11.5
Slovakia .....	1.6	11.8	10.4	14.4	14.8	13.1	12.8	12.5	15.6	19.2
Slovenia .....	..	10.1	13.3	15.5	14.2	14.5	14.4	14.8	14.6	13.0
The former Yugoslav										
Republic of Macedonia <sup>a</sup> .....	..	24.5	26.2	27.7	30.0	36.6	38.8	41.7	41.4	47*
Yugoslavia <sup>a b</sup> .....	..	21.0	24.6	24.0	23.9	24.7	26.1	25.6	27.2	27.4
<b>Baltic states</b> .....	..	..	2.1	4.5	5.3	6.6	6.4	6.3	7.3	9.1
Estonia <sup>c</sup> .....	..	..	1.6	5.0	5.1	5.0	5.6	4.6	5.1	6.7
Latvia .....	..	..	2.3	5.8	6.5	6.6	7.2	7.0	9.2	9.1
Lithuania .....	..	..	3.5	3.4	4.5	7.3	6.2	6.7	6.9	10.0
<b>CIS</b> .....	..	..	2.7	3.6	4.4	5.8	6.6	7.6	9.0	8.3
Armenia .....	..	..	3.5	6.3	6.0	8.1	9.7	11.0	8.9	11.5
Azerbaijan .....	..	..	0.2	0.7	0.9	1.1	1.1	1.3	1.4	1.2
Belarus .....	..	..	0.5	1.3	2.1	2.7	4.0	2.8	2.3	2.0
Georgia .....	..	..	0.3	2.0	3.8	3.4	3.2	8.0	4.2	5.6
Kazakhstan .....	..	..	0.4	0.6	1.0	2.1	4.1	3.9	3.7	3.9
Kyrgyzstan .....	..	..	0.1	0.2	0.8	3.0	4.5	3.1	3.1	3.0
Republic of Moldova .....	..	..	0.7	0.7	1.0	1.4	1.5	1.7	1.9	2.1
Russian Federation <sup>d</sup> .....	..	..	4.7	5.5	7.5	8.9	10.0	11.2	13.3	12.2
Tajikistan .....	..	..	0.4	1.1	1.8	1.8	2.4	2.8	2.9	3.1
Turkmenistan .....	..	..	..	..	..	..	..	..	..	..
Ukraine .....	..	..	0.3	0.4	0.3	0.6	1.5	2.8	4.3	4.3
Uzbekistan .....	..	..	0.1	0.2	0.3	0.3	0.3	0.3	0.4	0.5
<i>Memorandum items:</i>										
<b>CETE-5</b> .....	..	9.7	11.3	13.3	12.9	12.0	11.2	9.8	10.2	12.5
<b>SETE-7</b> .....	..	9.3	14.2	15.1	14.6	13.7	12.5	14.3	15.4	16.5
<i>Russian Federation</i> <sup>e</sup> .....	..	0.1	0.8	1.1	2.1	3.2	3.4	2.8	2.7	1.7
<i>Former-GDR</i> .....	..	..	13.5	15.4	13.5	14.9	15.9	19.4	17.4	17.7

**Source:** National statistics and direct communications from national statistical offices to UN/ECE secretariat.

<sup>a</sup> The data reported on employment cover only the social sector in agriculture, hence unemployment rates are biased upwards.

<sup>b</sup> Since 1999, excluding Kosovo and Metohia.

<sup>c</sup> Job seekers.

<sup>d</sup> Based on Russian Federation Goskomstat's monthly estimates according to the ILO definition, i.e. including all persons not having employment but actively seeking work.

<sup>e</sup> Registered unemployment.

APPENDIX TABLE B.8

**Consumer prices in the ECE transition economies, 1990-1999**  
(Annual average, percentage change over preceding year)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Albania .....	..	35.5	193.1	85.0	21.5	8.0	12.7	33.1	20.3	- 0.1
Bosnia and Herzegovina .....	594.0	116.2	64 218.3	38 825.1	553.5	- 12.1	- 21.2	11.8	4.9	- 0.6
Bulgaria .....	23.8	338.5	91.3	72.9	96.2	62.1	123.1	1 082.6	22.2	0.4
Croatia <sup>a</sup> .....	609.5	123.0	663.6	1 516.6	97.5	2.0	3.6	3.7	5.9	4.3
Czech Republic .....	9.9	56.7	11.1	20.8	10.0	9.1	8.9	8.4	10.6	2.1
Hungary .....	28.9	35.0	23.0	22.6	19.1	28.5	23.6	18.4	14.2	10.1
Poland .....	585.8	70.3	45.3	36.9	33.2	28.1	19.8	15.1	11.7	7.4
Romania .....	5.1	170.2	210.7	256.2	137.1	32.2	38.8	154.9	59.3	45.9
Slovakia .....	10.4	61.2	10.2	23.1	13.4	10.0	6.1	6.1	6.7	10.5
Slovenia .....	551.6	115.0	207.3	31.7	21.0	13.5	9.9	8.4	8.1	6.3
The former Yugoslav										
Republic of Macedonia <sup>a</sup> .....	608.4	114.9	1 505.5	353.1	121.0	16.9	4.1	3.8	1.1	- 1.4
Yugoslavia .....	580.0	122.0	8 926.0	2.2E+14	7.9E+10	71.8	90.5	23.2	30.4	44.1
Estonia .....	18.0	202.0	1 078.2	89.6	47.9	28.9	23.1	11.1	10.6	3.5
Latvia .....	10.9	172.2	951.2	109.1	35.7	25.0	17.7	8.5	4.7	2.4
Lithuania .....	9.1	216.4	1 020.5	410.1	72.0	39.5	24.7	8.8	5.1	0.8
Armenia .....	6.9	174.1	728.7	3 731.8	4 964.0	175.5	18.7	13.8	8.7	0.7
Azerbaijan .....	6.1	106.6	912.6	1 129.7	1 663.9	411.5	19.8	3.6	- 0.8	- 8.6
Belarus .....	4.7	94.1	971.2	1 190.9	2 219.6	709.3	52.7	63.9	73.2	293.7
Georgia .....	4.2	78.7	1 176.9	4 084.9	22 470.6	177.6	39.4	7.1	3.5	19.3
Kazakhstan .....	5.6	114.5	1 504.3	1 662.7	1 879.5	175.9	39.1	17.4	7.3	8.4
Kyrgyzstan .....	5.5	113.9	854.6	1 208.7	278.1	42.9	30.3	25.5	12.1	36.7
Republic of Moldova .....	5.7	114.4	1 308.0	1 751.0	486.4	29.9	23.5	11.8	7.7	39.3
Russian Federation .....	5.2	160.0	1 528.7	875.0	309.0	197.4	47.8	14.7	27.8	85.7
Tajikistan .....	5.9	112.9	822.0	2 884.8	350.3	682.1	422.4	85.4	43.1	27.5
Turkmenistan .....	5.7	88.5	483.2	3 128.4	2 562.1	1 105.3	714.0	83.7	16.8	..
Ukraine .....	5.4	94.0	1 209.6	4 734.9	891.2	376.7	80.2	15.9	10.6	22.7
Uzbekistan .....	5.8	97.3	414.5	1 231.8	1 281.4	117.3	56.3	73.2	17.7	29.0

*Source:* UN/ECE Common Database, derived from national statistics.

*Note:* From 1992 onwards indices derived from monthly data except for Armenia, Georgia, Hungary, Slovenia, Yugoslavia (from 1993); Turkmenistan (from 1995); Uzbekistan (from 1996).

<sup>a</sup> Retail prices.

APPENDIX TABLE B.9

**Producer price indices in the ECE transition economies, 1990-1999**  
(Annual average, percentage change over preceding year)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Albania .....	..	..	..	..	..	..	..	..	..	..
Bosnia and Herzegovina .....	..	129.5	70 374.7	10 967.6	1 184.8	68.7	-4.8	3.2	3.6	4.3
Bulgaria .....	14.7	296.4	56.1	28.3	59.1	48.9	129.7	888.1	20.0	3.2
Croatia .....	455.3	146.3	826.0	1510.4	77.7	0.8	1.3	3.7	-1.5	2.5
Czech Republic .....	2.5	70.3	10.8	9.3	5.4	7.8	4.9	5.1	4.9	1.1
Hungary .....	22.0	32.6	12.3	14.1	12.3	28.5	22.3	20.9	11.4	5.0
Poland .....	622.4	40.9	28.0	32.6	31.0	26.0	13.4	12.2	7.2	5.7
Romania .....	26.9	220.1	184.8	165.0	140.7	35.3	50.0	150.5	33.2	42.2
Slovakia .....	5.2	68.9	5.3	17.0	10.0	9.1	4.0	4.6	3.3	3.7
Slovenia .....	390.4	124.1	215.7	23.3	17.8	12.4	6.7	6.1	6.0	2.2
The former Yugoslav										
Republic of Macedonia .....	394.0	112.0	2 193.5	258.6	88.7	4.7	-0.1	3.5	4.0	-0.2
Yugoslavia .....	468.0	124.0	8 993.0	1.4E+13	7.9E+10	75.7	88.8	20.6	25.9	43.3
Estonia .....	19.3	208.4	1 208.0	75.2	36.1	25.5	14.7	8.8	4.1	-1.3
Latvia .....	..	192.0	1 310.0	117.1	17.0	12.0	13.8	4.3	2.0	-4.0
Lithuania .....	..	148.2	1 510.0	391.7	44.7	28.7	16.5	6.0	-3.8	3.0
Armenia .....	..	120.0	947.0	892.0	4 394.4	187.8	36.3	21.7	6.0	4.1
Azerbaijan .....	..	179.5	7 453.6	1 974.0	3 971.6	1 340.1	70.6	11.4	-5.5	-1.3
Belarus .....	2.1	151.1	1 939.2	1 536.3	3 362.1	538.6	35.7	89.4	72.8	355.7
Georgia .....	..	..	..	..	..	..	..	..	..	..
Kazakhstan .....	..	193.0	2 465.1	1 042.8	2 952.2	173.6	24.8	15.6	0.8	19.0
Kyrgyzstan .....	..	160.0	1 664.0	831.0	223.6	34.0	31.0	34.5	12.7	52.2
Republic of Moldova .....	..	130.0	1 210.9	1 078.5	711.7	52.2	30.2	14.9	9.7	47.1
Russian Federation .....	3.9	240.0	3 280.0	900.0	340.0	237.6	50.8	15.0	7.0	59.1
Tajikistan .....	..	163.0	1 316.5	1 080.0	665.5	351.7	340.7	103.7	28.4	45.6
Turkmenistan .....	..	211.0	994.0	1 610.0	911.0	296.5	2 974.9	260.6	-30.5	..
Ukraine .....	..	122.0	2 668.8	4 698.3	901.2	450.8	54.6	15.1	13.2	31.1
Uzbekistan .....	..	147.0	1 296.0	1 119.0	2 162.6	792.5	128.5	53.9	40.0	38.0

*Source:* UN/ECE Common Database, derived from national statistics.

*Note:* From 1994 onwards indices derived from monthly data except: Bosnia and Herzegovina, Croatia, Czech Republic, Poland, The former Yugoslav Republic of Macedonia (from 1992); Hungary, Romania, Slovakia, Slovenia (from 1993); Turkmenistan, Yugoslavia (from 1995).

APPENDIX TABLE B.10

**Nominal gross wages in industry in the ECE transition economies, 1990-1999**  
(Annual average, percentage change over preceding year)<sup>a</sup>

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Albania <sup>b</sup> .....	..	..	..	69.5	34.5	29.3	..	..	20.4	10.4
Bosnia and Herzegovina <sup>c</sup> .....	..	..	..	..	..	4.1	249.4	50.8	31.1	15.4
Bulgaria .....	20.8	175.5	132.8	55.1	53.9	57.7	90.4	882.9	34.5	..
Croatia <sup>c</sup> .....	453.7	40.7	466.7	1 444.1	130.5	44.0	11.8	16.3	10.6	10.1
Czech Republic .....	3.0	16.5	21.0	22.6	16.9	18.3	17.7	11.9	10.6	6.9
Hungary <sup>b</sup> .....	27.2	33.4	24.3	24.9	23.3	19.1	21.7	21.8	16.6	13.5
Poland <sup>c</sup> .....	365.5	64.0	41.2	37.8	39.8	30.1	25.8	19.9	14.1	37.5
Romania <sup>c</sup> .....	9.7	125.0	173.5	210.7	139.4	55.3	56.7	99.5	49.3	47.7
Slovakia <sup>b</sup> .....	4.3	15.0	16.9	23.1	17.7	15.2	14.6	11.1	8.0	7.9
Slovenia .....	361.5	68.4	196.7	45.1	27.1	17.1	14.0	12.1	10.7	9.3
The former Yugoslav										
Republic of Macedonia <sup>c</sup> .....	433.6	79.2	1 083.7	454.0	105.8	11.1	3.6	2.3	3.1	1.5
Yugoslavia <sup>c</sup> .....	400.0	100.6	4 886.4	-62.5	229.6	74.1	74.5	41.7	39.6	24.6
Estonia <sup>d</sup> .....	..	122.2	570.3	93.3	71.3	34.6	23.8	19.7	13.2	0.9
Latvia .....	..	104.5	609.8	112.0	60.0	24.1	14.9	21.6	6.5	4.0
Lithuania .....	15.3	183.9	632.5	246.1	70.0	43.2	34.0	21.7	12.0	2.5
Armenia .....	5.9	31.8	352.3	739.1	3 640.2	210.9	62.3	41.7	20.5	12.7
Azerbaijan .....	4.4	82.9	870.4	700.8	575.7	354.8	53.0	36.8	22.0	..
Belarus .....	14.1	112.1	910.9	1 073.8	69.6	618.7	58.5	96.8	109.4	323.9
Georgia .....	6.0	33.9	457.3	2 114.7	23 327.5	87.5	145.4	12.7	26.8	..
Kazakhstan .....	11.0	91.5	1 056.0	1 008.6	1 422.8	178.2	30.9	22.5	7.8	18.1
Kyrgyzstan .....	0.5	62.1	638.3	745.6	176.3	54.8	29.1	60.3	20.0	16.3
Republic of Moldova .....	14.2	90.1	815.0	773.0	284.4	43.8	32.2	24.9	16.6	22.5
Russian Federation .....	13.0	94.9	1 065.7	798.2	260.2	131.4	64.3	21.6	14.3	52.2
Tajikistan .....	8.0	76.2	550.2	917.5	142.2	145.2	425.3	71.9	96.4	26.4
Turkmenistan .....	..	83.8	1 010.1	1 467.7	622.2	686.2	915.3	121.5	27.1	..
Ukraine .....	39.0	107.9	1 419.0	2 286.1	737.8	408.5	71.5	13.5	5.9	18.1
Uzbekistan .....	..	82.3	706.1	1 159.3	806.8	278.4	99.8	76.3	60.3	50.0

Source: UN/ECE Common Database, derived from national statistics.

<sup>a</sup> Calculated from reported annual average wages.

<sup>b</sup> Gross wages in total economy. For Hungary for 1990-1992; for Slovakia for 1990-1991.

<sup>c</sup> Net wages in industry. For Poland and Romania for 1990-1992.

<sup>d</sup> Manufacturing for 1991-1993.

APPENDIX TABLE B.11

**Merchandise exports of the ECE transition economies, 1980, 1987-1999**  
(Billion dollars)

	1980	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Eastern Europe</b> .....	56.367	63.550	65.020	63.850	61.733	57.241	59.333	62.675	72.937	94.777	100.206	107.372	119.173	118.218
Albania .....	0.320	0.230	0.230	0.302	0.231	0.101	0.072	0.123	0.139	0.202	0.213	0.137	0.207	0.265
Bulgaria .....	7.160	7.841	7.554	6.651	5.232	3.433	3.992	3.769	3.935	5.345	4.890	4.940	4.194	3.959
Czechoslovakia .....	10.475	12.355	12.381	11.988	10.728	11.319	..	..	..	..	..	..	..	..
Czech Republic .....	..	..	..	..	..	..	8.767	14.463	15.882	21.273	22.180	22.779	26.351	26.845
Slovakia .....	..	..	..	..	..	..	3.500	5.458	6.714	8.585	8.822	9.640	10.775	10.246
Hungary .....	8.609	9.584	9.999	9.673	9.731	10.226	10.681	8.921	10.701	12.867	15.704	19.100	23.005	25.012
Poland .....	13.071	14.095	14.573	14.665	18.291	14.912	13.187	14.202	17.240	22.887	24.440	25.756	28.229	27.362
Romania .....	9.217	8.580	8.971	8.076	4.570	4.266	4.363	4.892	6.151	7.910	8.085	8.431	8.302	8.505
Yugoslavia (SFR) .....	7.514	10.866	11.311	12.496	12.950	12.984	14.772	..	..	..	..	..	..	..
Bosnia and Herzegovina .....	..	..	1.550	2.100	1.850	..	..	..	..	0.024	0.058	0.193	0.352	0.518
Croatia .....	..	..	2.300	2.600	4.020	3.310	4.353	3.709	4.260	4.633	4.512	4.171	4.541	4.271
Slovenia .....	1.836	2.757	3.278	3.408	4.118	3.874	6.681	6.083	6.828	8.316	8.310	8.369	9.050	8.546
The former Yugoslav Republic of Macedonia .....	..	..	..	0.654	1.113	1.095	1.199	1.055	1.086	1.204	1.147	1.180	1.310	1.192
Yugoslavia .....	..	4.063	4.298	4.461	4.651	4.704	2.539	..	..	1.531	1.846	2.677	2.858	1.498
<b>Baltic states</b> .....	..	..	..	..	..	..	2.139	4.197	4.324	5.844	6.877	8.467	8.759	7.657
Estonia .....	..	..	..	..	..	..	0.444	0.802	1.305	1.838	2.079	2.934	3.236	2.938
Latvia .....	..	..	..	..	..	..	0.843	1.401	0.988	1.304	1.443	1.673	1.812	1.723
Lithuania .....	..	..	..	..	..	..	0.852	1.994	2.031	2.705	3.355	3.860	3.711	2.996
<b>CIS: total</b> .....	..	..	..	..	..	..	..	..	89.991	110.622	121.936	122.913	104.266	103.117*
<b>CIS: non-CIS</b> .....	..	..	..	..	..	..	51.242	52.547	62.652	80.007	87.897	88.698	76.840	81.669*
Armenia .....	..	..	..	..	..	..	..	0.156	0.216	0.271	0.290	0.233	0.221	0.232
Non-CIS .....	..	..	..	..	..	..	0.026	0.029	0.058	0.101	0.162	0.138	0.140	0.176
Azerbaijan .....	..	..	..	..	..	..	1.484	0.725	0.653	0.637	0.631	0.781	0.606	0.929
Non-CIS .....	..	..	..	..	..	..	0.754	0.351	0.378	0.352	0.341	0.403	0.374	0.718
Belarus .....	..	..	..	..	..	..	..	..	2.510	4.707	5.652	7.301	7.070	5.922
Non-CIS .....	..	..	..	..	..	..	1.194	0.789	1.031	1.777	1.888	1.922	1.910	2.286
Georgia .....	..	..	..	..	..	..	..	..	0.156	0.154	0.199	0.240	0.193	0.238
Non-CIS .....	..	..	..	..	..	..	0.068	0.069	0.039	0.057	0.070	0.102	0.085	0.131
Kazakhstan .....	..	..	..	..	..	..	..	..	3.231	5.250	5.911	6.497	5.436	5.592
Non-CIS .....	..	..	..	..	..	..	1.398	1.501	1.357	2.366	2.732	3.515	3.266	4.131
Kyrgyzstan .....	..	..	..	..	..	..	0.317	0.396	0.340	0.409	0.505	0.604	0.514	0.454
Non-CIS .....	..	..	..	..	..	..	0.077	0.112	0.117	0.140	0.112	0.285	0.283	0.271
Republic of Moldova .....	..	..	..	..	..	..	0.470	0.483	0.565	0.746	0.795	0.875	0.632	0.462
Non-CIS .....	..	..	..	..	..	..	0.166	0.178	0.159	0.279	0.252	0.267	0.203	0.209
Russian Federation <sup>a</sup> .....	..	..	..	..	..	..	..	..	66.862	79.869	86.889	86.627	72.550	72.902*
Non-CIS .....	..	..	..	..	..	..	42.376	44.297	53.001	65.607	70.975	69.959	58.883	62.300*
Tajikistan .....	..	..	..	..	..	..	0.193	0.350	0.492	0.749	0.770	0.746	0.597	0.689
Non-CIS .....	..	..	..	..	..	..	0.109	0.227	0.399	0.497	0.439	0.473	0.394	0.374
Turkmenistan .....	..	..	..	..	..	..	..	..	2.145	1.881	1.682	0.751	0.594	1.187
Non-CIS .....	..	..	..	..	..	..	0.908	1.049	0.494	0.951	0.610	0.300	0.442	0.698
Ukraine .....	..	..	..	..	..	..	7.415	7.817	10.272	13.128	14.401	14.232	12.637	11.582
Non-CIS .....	..	..	..	..	..	..	3.297	3.223	4.653	6.168	6.996	8.646	8.435	8.329
Uzbekistan .....	..	..	..	..	..	..	..	..	2.549	2.821	4.211	4.026	3.218	2.928
Non-CIS .....	..	..	..	..	..	..	0.869	0.721	0.966	1.712	3.321	2.689	2.425	2.047
<b>Former Soviet Union</b> .....	57.942	63.406	62.016	62.286	59.056	46.660	..	..	..	..	..	..	..	..
<b>Total</b> .....	114.310	126.957	127.035	126.136	120.788	103.901	112.714	119.419	167.252	211.243	229.019	238.751	232.198	228.992*

Source: UN/ECE secretariat, based on national statistical publications and direct communications from national statistical offices.

Note: Trade flows reported include the "new trade" among members of the dissolved federal states: former Czechoslovakia (from 1993), SFR of Yugoslavia (from 1992) and the former USSR: for the Baltic states (from 1992) and for the CIS. Data excluding the "new trade" were shown in earlier issues of this publication. Changes in the method of recording trade are reflected from 1993 in data for the Czech Republic (inclusion of OPT transactions, etc.), from 1995 in Latvia (imports registered c.i.f.) and Lithuania (change from special to general system), from 1996 in Hungary (inclusion of trade flows of free trade zones) and from 1997 in Slovakia (inclusion of OPT transactions, etc.).

All trade values for the years 1991-1999 are expressed in dollars at prevailing market exchange rates. For earlier years, values reported in national currencies were adjusted by the ECE secretariat to remove distortions stemming from mutually inconsistent national rouble/dollar cross-rates in the valuation of the then important intra-CMEA trade flows. For details on the revaluation, see the note to table 2.1.3 and the discussion in box 2.1 in UN/ECE, *Economic Bulletin for Europe*, Vol. 43, 1991.

<sup>a</sup> Russian Goskomstat data excluding trade by physical persons (shuttle trade), but including trade flows not crossing the Russian borders such as off-board fish sales and natural gas deliveries under debt repayment agreements with former CMEA countries.

APPENDIX TABLE B.12

**Merchandise imports of the ECE transition economies, 1980, 1987-1999**  
(Billion dollars)

	1980	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Eastern Europe</b> .....	65.443	62.033	60.158	61.185	63.408	61.610	68.388	76.285	86.128	117.026	135.887	146.170	159.488	155.982
Albania .....	0.320	0.230	0.280	0.385	0.381	0.409	0.524	0.421	0.549	0.650	0.913	0.620	0.795	0.885
Bulgaria .....	6.321	8.222	8.131	7.325	5.584	2.700	4.530	5.120	4.272	5.638	5.074	4.932	4.957	5.450
Czechoslovakia .....	10.619	12.503	12.180	11.772	11.808	10.962	..	..	..	..	..	..	..	..
Czech Republic .....	..	..	..	..	..	..	10.368	14.617	17.427	25.265	27.919	27.563	28.789	28.863
Slovakia .....	..	..	..	..	..	..	3.889	6.332	6.634	8.777	11.112	11.622	13.006	11.245
Hungary .....	9.188	9.859	9.372	8.863	8.797	11.449	11.123	12.648	14.554	15.466	18.144	21.234	25.706	28.008
Poland .....	14.705	12.686	12.987	12.941	12.619	15.531	16.141	18.758	21.566	29.043	37.137	42.314	47.054	45.885
Romania .....	11.061	6.355	5.361	5.834	6.889	5.793	6.260	6.522	7.109	10.278	11.435	11.280	11.838	10.392
Yugoslavia (SFR) .....	13.229	12.178	11.847	14.064	17.330	14.765	..	..	..	..	..	..	..	..
Bosnia and Herzegovina .....	..	..	1.300	1.850	1.750	..	..	..	..	0.524	1.204	1.555	2.120	2.431
Croatia .....	..	..	2.900	3.750	5.133	3.811	4.346	4.166	5.229	7.510	7.788	9.104	8.383	7.777
Slovenia .....	2.463	2.722	2.914	3.216	4.727	4.131	6.141	6.501	7.304	9.492	9.421	9.367	10.098	9.954
The former Yugoslav Republic of Macedonia .....	..	..	..	0.934	1.531	1.274	1.206	1.199	1.484	1.719	1.627	1.754	1.912	1.796
Yugoslavia .....	..	4.851	4.915	5.383	6.701	5.548	3.859	..	..	2.665	4.113	4.826	4.830	3.296
<b>Baltic states</b> .....	..	..	..	..	..	..	1.802	4.101	5.251	8.006	10.110	12.809	13.768	11.851
Estonia .....	..	..	..	..	..	..	0.406	0.896	1.659	2.540	3.231	4.441	4.786	4.115
Latvia .....	..	..	..	..	..	..	0.794	0.961	1.240	1.818	2.320	2.724	3.189	2.946
Lithuania .....	..	..	..	..	..	..	0.602	2.244	2.352	3.649	4.559	5.644	5.794	4.791
<b>CIS: total</b> .....	..	..	..	..	..	..	..	..	63.137	79.576	86.960	94.316	81.127	61.813*
<b>CIS: non-CIS</b> .....	..	..	..	..	..	..	42.297	33.696	36.743	45.678	49.205	57.780	50.763	37.777*
Armenia .....	..	..	..	..	..	..	..	0.255	0.394	0.674	0.856	0.892	0.902	0.802
Non-CIS .....	..	..	..	..	..	..	0.050	0.087	0.188	0.340	0.578	0.593	0.672	0.626
Azerbaijan .....	..	..	..	..	..	..	0.940	0.629	0.778	0.668	0.961	0.794	1.077	1.036
Non-CIS .....	..	..	..	..	..	..	0.333	0.241	0.292	0.440	0.621	0.443	0.673	0.711
Belarus .....	..	..	..	..	..	..	..	..	3.066	5.564	6.939	8.689	8.549	6.664
Non-CIS .....	..	..	..	..	..	..	0.843	1.119	0.974	1.887	2.369	2.872	2.995	2.381
Georgia .....	..	..	..	..	..	..	..	..	0.338	0.385	0.687	0.944	0.884	0.602
Non-CIS .....	..	..	..	..	..	..	0.228	0.167	0.066	0.231	0.417	0.603	0.617	0.377
Kazakhstan .....	..	..	..	..	..	..	..	..	3.561	3.807	4.241	4.301	4.350	3.683
Non-CIS .....	..	..	..	..	..	..	0.469	0.494	1.384	1.154	1.295	1.969	2.290	2.088
Kyrgyzstan .....	..	..	..	..	..	..	0.421	0.448	0.317	0.522	0.838	0.709	0.842	0.600
Non-CIS .....	..	..	..	..	..	..	0.071	0.112	0.107	0.168	0.351	0.273	0.401	0.341
Republic of Moldova .....	..	..	..	..	..	..	0.640	0.628	0.659	0.841	1.072	1.172	1.024	0.573
Non-CIS .....	..	..	..	..	..	..	0.179	0.184	0.183	0.272	0.420	0.567	0.584	0.344
Russian Federation <sup>a</sup> .....	..	..	..	..	..	..	..	..	38.661	46.709	47.373	53.568	43.980	31.026*
Non-CIS .....	..	..	..	..	..	..	36.984	26.807	28.344	33.117	32.798	39.365	32.703	22.589*
Tajikistan .....	..	..	..	..	..	..	0.254	0.630	0.547	0.810	0.668	0.750	0.711	0.663
Non-CIS .....	..	..	..	..	..	..	0.132	0.374	0.314	0.332	0.285	0.268	0.265	0.148
Turkmenistan .....	..	..	..	..	..	..	..	..	1.468	1.364	1.011	1.183	1.008	1.478
Non-CIS .....	..	..	..	..	..	..	0.030	0.501	0.782	0.619	0.450	0.531	0.530	0.978
Ukraine .....	..	..	..	..	..	..	6.892	9.533	10.745	15.484	17.603	17.128	14.676	11.846
Non-CIS .....	..	..	..	..	..	..	2.049	2.652	2.907	5.488	6.427	7.249	6.779	5.103
Uzbekistan .....	..	..	..	..	..	..	..	..	2.603	2.748	4.712	4.186	3.125	2.841
Non-CIS .....	..	..	..	..	..	..	0.929	0.958	1.202	1.630	3.195	3.047	2.256	2.091
<b>Former Soviet Union</b> .....	52.218	53.794	58.044	64.983	64.963	45.405	..	..	..	..	..	..	..	..
<b>Total</b> .....	117.661	115.827	118.202	126.168	128.371	106.901	112.487	114.082	154.516	204.609	232.957	253.295	254.383	229.647*

Source: UN/ECE secretariat, based on national statistical publications and direct communications from national statistical offices.

Note: See appendix table B.11.

<sup>a</sup> Russian Goskomstat data excluding trade by physical persons (shuttle trade), but including trade flows not crossing the Russian borders such as off-board fish sales and natural gas deliveries under debt repayment agreements with former CMEA countries.



APPENDIX TABLE B.13

**Balance of merchandise trade of the ECE transition economies, 1980, 1987-1999**  
(Billion dollars)

	1980	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Eastern Europe</b> .....	-9.076	1.517	4.861	2.665	-1.675	-4.369	-9.055	-13.610	-13.190	-22.250	-35.680	-38.799	-40.315	-37.764
Albania .....	-	-	-0.050	-0.083	-0.150	-0.308	-0.452	-0.298	-0.410	-0.448	-0.701	-0.483	-0.589	-0.620
Bulgaria .....	0.839	-0.381	-0.577	-0.674	-0.352	0.732	-0.538	-1.352	-0.336	-0.293	-0.184	0.008	-0.763	-1.491
Czechoslovakia .....	-0.144	-0.147	0.201	0.216	-1.080	0.356	..	..	..	..	..	..	..	..
Czech Republic .....	..	..	..	..	..	..	-1.601	-0.154	-1.545	-3.992	-5.739	-4.784	-2.438	-2.018
Slovakia .....	..	..	..	..	..	..	-0.389	-0.874	0.080	-0.192	-2.290	-1.983	-2.231	-0.999
Hungary .....	-0.579	-0.276	0.627	0.810	0.934	-1.223	-0.442	-3.727	-3.853	-2.599	-2.440	-2.134	-2.701	-2.996
Poland .....	-1.634	1.409	1.586	1.724	5.672	-0.619	-2.955	-4.555	-4.326	-6.156	-12.697	-16.558	-18.825	-18.522
Romania .....	-1.844	2.225	3.610	2.242	-2.320	-1.528	-1.897	-1.630	-0.958	-2.368	-3.351	-2.849	-3.536	-1.887
Yugoslavia (SFR) .....	-5.715	-1.312	-0.536	-1.568	-4.380	-1.780	14.772	..	..	..	..	..	..	..
Bosnia and Herzegovina .....	..	..	0.250	0.250	0.100	..	..	..	..	-0.500	-1.146	-1.362	-1.768	-1.913
Croatia .....	..	..	-0.600	-1.150	-1.113	-0.501	0.007	-0.457	-0.969	-2.877	-3.276	-4.933	-3.842	-3.507
Slovenia .....	-0.626	0.035	0.365	0.192	-0.609	-0.257	0.540	-0.418	-0.476	-1.176	-1.111	-0.998	-1.048	-1.409
The former Yugoslav Republic of Macedonia .....	..	..	..	-0.280	-0.418	-0.179	-0.007	-0.144	-0.398	-0.515	-0.480	-0.574	-0.602	-0.604
Yugoslavia .....	..	-0.788	-0.617	-0.922	-2.050	-0.844	-1.320	..	..	-1.134	-2.267	-2.149	-1.972	-1.798
<b>Baltic states</b> .....	..	..	..	..	..	..	0.337	0.096	-0.927	-2.162	-3.232	-4.343	-5.009	-4.194
Estonia .....	..	..	..	..	..	..	0.038	-0.094	-0.353	-0.702	-1.152	-1.507	-1.550	-1.176
Latvia .....	..	..	..	..	..	..	0.049	0.440	-0.252	-0.514	-0.877	-1.051	-1.377	-1.223
Lithuania .....	..	..	..	..	..	..	0.250	-0.250	-0.322	-0.944	-1.204	-1.784	-2.083	-1.795
<b>CIS: total</b> .....	..	..	..	..	..	..	..	..	26.854	31.046	34.975	28.597	23.140	41.304*
<b>CIS: non-CIS</b> .....	..	..	..	..	..	..	8.945	18.851	25.909	34.329	38.692	30.919	26.077	43.892*
Armenia .....	..	..	..	..	..	..	..	-0.099	-0.178	-0.403	-0.566	-0.660	-0.682	-0.569
Non-CIS .....	..	..	..	..	..	..	-0.024	-0.058	-0.130	-0.239	-0.416	-0.455	-0.532	-0.450
Azerbaijan .....	..	..	..	..	..	..	0.544	0.096	-0.125	-0.031	-0.330	-0.013	-0.471	-0.107
Non-CIS .....	..	..	..	..	..	..	0.421	0.110	0.086	-0.088	-0.280	-0.040	-0.299	0.008
Belarus .....	..	..	..	..	..	..	..	..	-0.556	-0.857	-1.287	-1.388	-1.480	-0.742
Non-CIS .....	..	..	..	..	..	..	0.351	-0.330	0.057	-0.110	-0.481	-0.950	-1.085	-0.095
Georgia .....	..	..	..	..	..	..	..	..	-0.182	-0.231	-0.488	-0.704	-0.692	-0.364
Non-CIS .....	..	..	..	..	..	..	-0.160	-0.098	-0.027	-0.174	-0.347	-0.501	-0.532	-0.246
Kazakhstan .....	..	..	..	..	..	..	..	..	-0.330	1.443	1.670	2.196	1.086	1.910
Non-CIS .....	..	..	..	..	..	..	0.929	1.007	-0.027	1.212	1.437	1.547	0.976	2.043
Kyrgyzstan .....	..	..	..	..	..	..	-0.104	-0.052	0.023	-0.113	-0.333	-0.105	-0.328	-0.146
Non-CIS .....	..	..	..	..	..	..	0.005	-	0.010	-0.028	-0.239	0.012	-0.118	-0.070
Republic of Moldova .....	..	..	..	..	..	..	-0.170	-0.145	-0.094	-0.095	-0.277	-0.297	-0.392	-0.111
Non-CIS .....	..	..	..	..	..	..	-0.013	-0.006	-0.024	0.007	-0.168	-0.300	-0.381	-0.135
Russian Federation <sup>a</sup> .....	..	..	..	..	..	..	..	..	28.201	33.160	39.516	33.059	28.570	41.876*
Non-CIS .....	..	..	..	..	..	..	5.392	17.490	24.657	32.490	38.177	30.594	26.180	39.711*
Tajikistan .....	..	..	..	..	..	..	-0.061	-0.280	-0.055	-0.061	0.102	-0.004	-0.114	0.026
Non-CIS .....	..	..	..	..	..	..	-0.023	-0.147	0.085	0.165	0.154	0.205	0.129	0.225
Turkmenistan .....	..	..	..	..	..	..	..	..	0.677	0.517	0.670	-0.432	-0.414	-0.291
Non-CIS .....	..	..	..	..	..	..	0.878	0.548	-0.288	0.332	0.160	-0.231	-0.088	-0.280
Ukraine .....	..	..	..	..	..	..	0.523	-1.716	-0.473	-2.356	-3.202	-2.896	-2.038	-0.265
Non-CIS .....	..	..	..	..	..	..	1.248	0.571	1.746	0.680	0.569	1.397	1.657	3.227
Uzbekistan .....	..	..	..	..	..	..	..	..	-0.054	0.073	-0.501	-0.159	0.093	0.087
Non-CIS .....	..	..	..	..	..	..	-0.060	-0.237	-0.236	0.082	0.126	-0.358	0.169	-0.045
<b>Former Soviet Union</b> .....	5.724	9.612	3.972	-2.697	-5.907	1.255	..	..	..	..	..	..	..	..
<b>Total</b> .....	-3.351	11.130	8.833	-0.032	-7.583	-3.000	0.227	5.337	12.736	6.634	-3.937	-14.544	-22.185	-0.654*

Source: UN/ECE secretariat, based on national statistical publications and direct communications from national statistical offices.

Note: See appendix table B.11.

<sup>a</sup> Russian Goskomstat data excluding trade by physical persons (shuttle trade), but including trade flows not crossing the Russian borders such as off-board fish sales and natural gas deliveries under debt repayment agreements with former CMEA countries.

APPENDIX TABLE B.14

**Merchandise trade of the ECE transition economies by direction, 1980, 1987-1999**  
(Shares in total trade, per cent)

	1980	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Eastern Europe, to and from:</b>														
<i>Exports</i>														
World .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ECE transition economies .....	48.5	50.2	46.5	44.4	38.1	28.5	23.0	28.2	26.3	25.8	26.1	26.1	22.5	18.7
Former Soviet Union .....	27.1	29.7	27.2	25.5	22.3	17.9	12.4	9.8	9.0	8.9	9.4	10.3	7.5	4.7
Eastern Europe .....	21.4	20.5	19.3	18.9	15.8	10.7	10.7	18.5	17.4	16.9	16.7	15.8	14.8	13.5
Developed market economies .....	35.7	35.2	38.7	42.6	49.5	59.8	63.0	58.0	62.5	64.5	65.0	66.4	71.4	75.2
Developing economies .....	15.8	14.6	14.8	13.0	12.4	11.7	14.0	13.8	11.2	9.7	8.9	7.5	6.0	6.0
<i>Imports</i>														
World .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ECE transition economies .....	42.0	45.6	40.5	36.4	26.6	25.5	24.7	29.3	26.1	25.3	23.8	22.1	18.3	17.7
Former Soviet Union .....	26.8	30.7	26.3	23.5	18.3	20.2	17.9	16.5	14.1	13.2	12.7	11.2	8.6	8.4
Eastern Europe .....	18.8	20.5	19.6	18.7	14.3	8.1	6.8	12.8	12.0	12.1	11.1	10.9	9.6	9.1
Developed market economies .....	38.7	36.1	41.1	44.0	53.3	58.3	64.4	61.5	65.0	65.8	66.6	68.1	72.5	73.0
Developing economies .....	19.3	18.3	18.4	19.5	20.1	16.1	10.9	9.2	9.0	8.9	9.6	9.8	9.2	9.3
<b>Former Soviet Union/Russian Federation, to and from:</b>														
<i>Exports</i>														
World .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ECE transition economies .....	34.5	33.5	29.4	26.6	21.8	25.9	22.3	18.1	15.1	16.8	18.2	19.5	18.1	18.1
Eastern Europe .....	34.5	33.5	29.4	26.6	21.8	25.9	20.7	16.8	11.7	13.2	14.3	14.9	14.2	13.5
Developed market economies .....	42.2	35.3	38.9	41.8	49.5	56.5	57.9	59.7	66.6	60.6	58.1	58.6	60.0	57.6
Developing economies .....	23.3	31.2	31.7	31.6	28.7	17.6	19.9	22.2	18.3	22.6	23.8	21.9	21.9	24.3
<i>Imports</i>														
World .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ECE transition economies .....	31.5	38.2	32.4	27.6	24.7	26.0	15.9	10.6	14.1	15.5	12.6	13.7	11.9	9.6
Eastern Europe .....	31.5	38.2	32.4	27.6	24.7	26.0	15.0	10.0	11.7	12.4	10.6	11.1	9.8	8.3
Developed market economies .....	46.4	40.7	46.3	50.1	52.9	58.1	62.4	60.6	70.3	69.5	67.8	68.3	68.2	68.2
Developing economies .....	22.1	21.1	21.3	22.3	22.4	15.9	21.7	28.8	15.6	15.0	19.6	18.0	19.9	22.2

*Source:* UN/ECE Common Database, derived from national statistics.

*Note:* Data for 1980-1990 refer to the east European CMEA countries (Bulgaria, Czechoslovakia, German Democratic Republic, Hungary, Poland and Romania) and to the former Soviet Union. Trade data in national currencies were revalued at consistent rouble/dollar cross-rates (see the note to appendix table B.11). For 1991-1997, eastern Europe covers Bulgaria, former Czechoslovakia (from 1993, Czech Republic and Slovakia including their mutual trade), Hungary, Poland and Romania, and the second panel reflects non-CIS trade of the Russian Federation only.

Partner-country grouping has been recently revised with subsequent revisions back to 1980. Thus, the earlier reported "Transition economies" group is now replaced by "ECE transition economies", which covers the Baltic states, CIS and the east European countries including the successor states of the former SFR of Yugoslavia. The "Eastern Europe" partner-group now covers Albania, Bulgaria, the Czech Republic, Hungary, Poland, Romania, Slovakia and the successor states of the former SFR of Yugoslavia, which earlier were in the "Other socialist countries" subgroup. The rest of subgroup "Other socialist countries", which in previous series covered China, Cuba, Democratic People's Republic of Korea, Mongolia and Viet Nam, is now included in the "Developing countries" group.

APPENDIX TABLE B.15

**Exchange rates of the ECE transition economies, 1980, 1987-1999**  
(Annual averages, national currency units per dollar)

Unit <sup>a</sup>	1980	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Albania ..... lek	..	..	..	..	8.90	24.20	75.03	102.06	94.62	93.14	104.33	148.93	150.63	137.69
Bulgaria ..... lev	0.86	0.87	0.83	0.84	0.79	17.45	23.42	27.85	54.13	67.08	177.88	1 681.87	1 760.37	1 836.38
Czechoslovakia ..... koruna	5.37	14.79	14.37	15.06	18.56	29.56	28.30	..	..	..	..	..	..	..
Czech Republic ..... koruna	..	..	..	..	..	..	..	29.15	28.79	26.54	27.14	31.70	32.29	34.57
Slovakia ..... koruna	..	..	..	..	..	..	..	30.80	31.93	29.71	30.68	33.62	35.23	41.36
Hungary ..... forint	32.64	46.97	50.41	59.07	63.21	74.73	78.98	91.91	105.11	125.69	152.65	186.79	214.40	237.15
Poland ..... zloty <sup>b</sup>	3.05	265.08	430.64	1 439	9 500	10 576	13 627	18 136	22 723	2.42	2.70	3.28	3.49	3.96
Romania ..... leu	4.47	16.00	16.00	16.00	22.43	71.84	307.98	760.12	1 654	2 033	3 085	7 183	8 876	13 983
Yugoslavia (SFR) ..... dinar <sup>c</sup>	24.64	737.00	25 239	28 760	11.32	19.64	..	..	..	..	..	..	..	..
Bosnia and Herzegovina ..... dinar	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Croatia ..... kuna <sup>d</sup>	..	..	..	..	..	18.80	264.30	3 577.63	6.00	5.23	5.43	6.10	6.36	7.11
Slovenia ..... tolar	..	..	..	..	..	27.57	81.29	113.24	128.81	118.52	135.37	159.69	166.13	181.77
The former Yugoslav Republic of Macedonia ..... denar <sup>e</sup>	..	..	..	..	..	19.69	508.07	23.26	43.25	38.05	39.92	50.40	54.48	56.90
Yugoslavia ..... dinar <sup>f</sup>	..	..	..	..	..	19.64	508.07	..	..	4.74	4.96	5.72	9.23	..
Estonia ..... kroon <sup>g</sup>	..	..	..	..	..	..	12.11	13.22	12.98	11.46	12.03	13.88	14.07	14.68
Latvia ..... lats <sup>h</sup>	..	..	..	..	..	..	..	0.67	0.56	0.53	0.55	0.58	0.59	0.59
Lithuania ..... litas <sup>i</sup>	..	..	..	..	..	..	..	4.37	3.98	4.00	4.00	4.00	4.00	4.00
Armenia ..... dram	..	..	..	..	..	..	..	8.66	288.35	405.93	413.47	490.70	505.78	534.69
Azerbaijan ..... manat	..	..	..	..	..	..	..	..	1 169	4 417	4 295	3 987	3 869	4 132
Belarus ..... rouble <sup>j</sup>	..	..	..	..	..	..	..	2 177	4 017	11 538	13 472	26 729	58 971	267 750
Georgia ..... lari <sup>k</sup>	..	..	..	..	..	..	..	..	1.10	1.29	1.26	1.30	..	..
Kazakhstan ..... tenge	..	..	..	..	..	..	..	..	35.54	60.95	67.30	75.43	78.26	119.44
Kyrgyzstan ..... som	..	..	..	..	..	..	..	..	10.86	10.83	12.81	17.37	21.37	39.73
Republic of Moldova ..... leu	..	..	..	..	..	..	..	..	4.07	4.50	4.60	4.62	5.37	10.52
Russian Federation ..... rouble <sup>l</sup>	0.65	0.63	0.61	0.63	0.59	1.74	192.75	927.46	2 204	4 559	5 121	5 785	9.71	24.62
Tajikistan ..... rouble	..	..	..	..	..	..	..	..	..	107.59	292.89	560.64	..	1 235.57
Turkmenistan ..... manat	..	..	..	..	..	..	..	..	19.50	110.42	3 509	4 143	..	5 200
Ukraine ..... hryvnia <sup>m</sup>	..	..	..	..	..	..	..	4 796	31 700	147 314	1.83	1.86	2.51	4.13
Uzbekistan ..... sum <sup>n</sup>	..	..	..	..	..	..	..	932.15	9.96	29.81	40.15	66.43	..	124.64
Memorandum item: Former GDR ..... mark <sup>o</sup>	3.30	8.14	8.14	8.14	8.14	1.66	1.56	1.65	1.62	1.43	1.50	1.73	1.76	..

**Source:** UN/ECE Common Database, derived from national, IMF and CIS statistics. Annual averages are unweighted arithmetic averages of monthly values. Change or redenomination of currency is indicated by a vertical bar.

**Note:** Under the central planning system with its state foreign trade monopoly, exchange rates served primarily statistical and accounting purposes (notably the conversion of foreign trade values for statistics expressed in domestic currency), without direct impact on domestic price formation. Market-based exchange rates and a meaningful link to domestic currency values emerged only with the transformations from 1989 onward. The official exchange rates of the earlier period are therefore not suitable for the conversion to dollars of macroeconomic and other data of these countries expressed in domestic currency. These strictures should be kept in mind in the interpretation and use of the data for the 1980s shown above.

<sup>a</sup> Currency unit of the last period shown. For prior periods, see footnotes.

<sup>b</sup> The zloty was redenominated at 1:10,000 from 1 January 1995.

<sup>c</sup> The dinar was redenominated at 1:10,000 from 1 January 1990.

<sup>d</sup> The kuna replaced the Croat dinar on 3 May 1994 at 1:1,000; the 1994 average is shown in kuna terms.

<sup>e</sup> The denar (which had replaced the Yugoslav dinar 1:1 on 26 April 1992) was redenominated 1:100 on 1 May 1993; the 1993 average is shown in terms of that unit.

<sup>f</sup> The dinar was further redenominated on 1 July 1992 (1:10), 1 October 1993 (1:1 million), 1 January 1994 (1:1 trillion) and 24 January 1994 (1:13 million). Average annual exchange rates not available for 1993-1994.

<sup>g</sup> The kroon replaced the Soviet rouble in June 1992 with a peg to the deutsche mark (8:1); the average shown for 1992 refers to June-December.

<sup>h</sup> The lats replaced an earlier Latvian rouble at 1:200 on 18 October 1993; the 1993 average is shown in lat terms.

<sup>i</sup> The litas replaced the earlier talonas at 1:100 on 1 June 1993; the 1993 average is shown in litas terms.

<sup>j</sup> The Belarus rouble was redenominated 1:10 on 10 August 1994; the 1994 average here assumes this applied to the entire year. Annual averages were calculated from end-of-period monthly rates.

<sup>k</sup> The lari replaced the lari-kupon on 25 September 1995; the annual average for 1994 is shown in million lari-kupon, and that for 1995 in lari.

<sup>l</sup> 1980-1991: Soviet rouble/dollar rate used in the conversion of foreign trade data for statistical purposes. The rouble was redenominated at 1:1,000 from 1 January 1998.

<sup>m</sup> The hryvnia replaced the former karbovanets on 2 September 1996 at 1:100,000; the average for 1996 is shown in hryvnia terms.

<sup>n</sup> Sum-kupon in 1993.

<sup>o</sup> German Democratic Republic mark through 1990, deutsche mark thereafter.

APPENDIX TABLE B.16

**Current account balances of the ECE transition economies, 1990-1999**  
(Million dollars)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Eastern Europe<sup>a</sup></b> .....	-5 639	-2 147	-909	-7 896	-2 705	-1 836	-13 523	-15 071	-17 611	-20 333
Albania .....	-118	-168	-51	15	-157	-12	-107	-254	-45	-155
Bosnia and Herzegovina .....	..	..	..	..	-177	-193	-748	-1 060	-1 098	-2 191
Bulgaria .....	-1 710	-77	-361	-1 098	-32	-141	-57	367	-61	-686
Croatia <sup>b</sup> .....	-621	-589	329	623	853	-1 442	-1 091	-2 325	-1 530	-1 523
Czech Republic .....	-122	1 708	-456	456	-787	-1 369	-4 292	-3 211	-1 336	-1 029
Hungary <sup>c</sup> .....	127	267	324	-3 455	-3 911	-2 480	-1 678	-981	-2 298	-2 076
Poland <sup>c</sup> .....	716	-1 359	-269	-2 868	677	5 310	-1 371	-4 312	-6 858	-11 569
Romania .....	-3 254	-1 013	-1 506	-1 174	-428	-1 774	-2 571	-2 137	-2 968	-1 296
Slovakia .....	-767	-786	173	-601	665	391	-2 098	-1 952	-2 059	-1 083
Slovenia <sup>b</sup> .....	518	129	926	192	573	-99	31	11	-147	-783
The former Yugoslav Republic of Macedonia <sup>b</sup> .....	-409	-259	-19	15	-158	-222	-289	-276	-308	-135
Yugoslavia .....	..	..	..	..	-400	-1 037	-1 334	-1 555	-1 180	-1 220
<b>Baltic states</b> .....	..	..	548	353	-59	-788	-1 400	-1 890	-2 426	-2 134
Estonia .....	..	..	36	22	-167	-158	-398	-563	-478	-294
Latvia .....	..	..	191	417	201	-16	-279	-345	-650	-646
Lithuania .....	..	..	321	-86	-94	-614	-723	-981	-1 298	-1 194
<b>CIS</b> .....	..	..	..	10 267	5 700	5 032	6 946	-3 606	-6 385	23 732
Armenia .....	..	..	..	-67	-104	-218	-291	-307	-403	-307
Azerbaijan .....	..	153	488	-160	-123	-319	-821	-915	-1 363	-600
Belarus .....	..	..	131	-435	-444	-458	-516	-788	-866	-257
Georgia .....	..	..	-248	-354	-277	-216	-275	-375	-417	-195
Kazakhstan .....	..	-1 300	-1 900	-641	-905	-213	-751	-799	-1 225	-171
Kyrgyzstan .....	..	..	-61	-88	-84	-235	-425	-138	-371	-185
Republic of Moldova .....	..	..	-152	-155	-82	-95	-192	-275	-323	-23
Russian Federation <sup>d</sup> .....	-6 300	2 500	1 142	12 792	8 850	8 025	12 448	2 545	1 040	25 301
Tajikistan .....	..	..	-53	-208	-170	-89	-70	-56	-107	48
Turkmenistan .....	-308	447	926	776	84	23	2	-580	-934	-700
Ukraine .....	..	..	-526	-765	-1 163	-1 152	-1 184	-1 335	-1 296	834
Uzbekistan .....	..	..	-236	-429	118	-21	-980	-584	-122	-14
<b>Total above<sup>a</sup></b> .....	..	..	..	2 723	2 936	2 407	-7 977	-20 567	-26 423	1 264
<i>Memorandum items:</i>										
<b>CETE-5</b> .....	473	-41	698	-6 277	-2 783	1 753	-9 408	-10 445	-12 698	-16 539
<b>SETE-7<sup>a</sup></b> .....	-6 112	-2 106	-1 607	-1 619	78	-3 589	-4 115	-4 626	-4 913	-3 794
Asian CIS .....	..	..	..	-1 170	-1 461	-1 288	-3 611	-3 754	-4 941	-2 124
Three European CIS <sup>e</sup> .....	..	..	-547	-1 356	-1 689	-1 705	-1 892	-2 397	-2 484	555

Source: National balance of payments statistics; IMF.

<sup>a</sup> Totals excluding Bosnia and Herzegovina and Yugoslavia.

<sup>b</sup> Excludes transactions with the republics of the former SFR of Yugoslavia: Croatia (1991-1992), Slovenia (1990-1991) and The former Yugoslav Republic of Macedonia (1990-1992).

<sup>c</sup> Convertible currencies. Hungary until 1995; Poland until 1992.

<sup>d</sup> 1990-1992 excluding transactions with the Baltic and CIS countries.

<sup>e</sup> Belarus, Republic of Moldova and Ukraine.

APPENDIX TABLE B.17

**Inflows of foreign direct investment <sup>a</sup> in ECE transition economies, 1990-1999**  
(Million dollars)

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
<b>Eastern Europe <sup>b</sup></b>	479	2 332	3 124	4 165	3 575	9 230	7 974	9 400	14 270	17 361
Albania <sup>c</sup>	..	–	20	58	53	70	90	48	45	41
Bosnia and Herzegovina	..	..	..	..	–	–	–	–	100	60*
Bulgaria <sup>c</sup>	4	56	42	40	105	90	109	505	537	806
Croatia	–	–	16	120	117	115	506	530	898	1 408
Czech Republic	132	513	1 004	654	869	2 562	1 428	1 300	2 720	5 108
Hungary	311	1 459	1 471	2 339	1 146	4 453	2 275	2 173	2 036	1 944
Poland (cash basis) <sup>c</sup>	10	117	284	580	542	1 132	2 768	3 077	5 129	6 471
Romania	–	40	77	94	341	419	263	1 215	2 031	1 041
Slovakia	18	82	100	168	250	202	330	161	508	330
Slovenia	4	65	111	113	128	177	194	375	248	181
The former Yugoslav										
Republic of Macedonia <sup>c</sup>	–	–	–	–	24	9	11	16	118	30
Yugoslavia	..	..	..	..	..	..	..	740	..	..
<b>Baltic states</b>	..	..	119	238	460	454	685	1 142	1 863	1 139
Estonia	..	..	82	162	215	202	151	267	581	305
Latvia	..	..	29	45	214	180	382	521	357	348
Lithuania	..	..	8	30	31	73	152	355	926	486
<b>CIS</b>	..	..	..	1 875	1 720	3 969	5 188	10 611	6 733	6 599
Armenia <sup>c</sup>	..	..	..	1	8	25	18	52	221	122
Azerbaijan <sup>c</sup>	..	..	–	60	22	284	627	1 115	1 024	510
Belarus	..	..	7	18	11	15	73	200	149	225
Georgia <sup>c</sup>	..	..	–	–	8	6	40	203	265	82
Kazakhstan <sup>d</sup>	..	..	100	228	635	964	1 137	1 321	1 151	1 584
Kyrgyzstan <sup>c</sup>	..	..	0	10	38	96	47	83	109	36
Republic of Moldova	..	25	17	14	12	67	24	76	81	34
Russian Federation <sup>c</sup>	–	100	1 454	1 211	640	2 016	2 479	6 639	2 761	3 309
Tajikistan <sup>c</sup>	..	..	9	9	12	20	25	30	24	21
Turkmenistan <sup>c</sup>	–	–	11	79	103	233	108	102	64	60*
Ukraine	..	..	170	198	159	267	521	623	743	496
Uzbekistan <sup>c</sup>	..	..	9	48	73	–24	90	167	140	121
<b>Total above <sup>b</sup></b>	..	..	..	6 278	5 756	13 653	13 847	21 153	22 866	25 098
<i>Memorandum items:</i>										
<b>CETE-5</b>	475	2 236	2 970	3 853	2 935	8 526	6 995	7 087	10 641	14 034
<b>SETE-7 <sup>b</sup></b>	4	96	155	312	640	704	979	2 313	3 629	3 326
Asian CIS	..	..	..	435	899	1 605	2 092	3 073	2 998	2 535
Three European CIS <sup>e</sup>	..	..	194	229	181	349	617	899	974	755
Poland (accrual basis)	89	291	678	1 715	1 875	3 659	4 498	4 908	6 365	7 270

*Source:* National balance of payments statistics IMF.

<sup>a</sup> Inflows into the reporting country.

<sup>b</sup> Excluding Bosnia and Herzegovina.

<sup>c</sup> Net of residents' investments abroad. Bulgaria, 1990-1994; Poland, 1990-1992.

<sup>d</sup> Drawings less repayments.

<sup>e</sup> Belarus, Republic of Moldova and Ukraine.