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Center for Strategic and International Studies

1800 K Street N.W.

Washington, DC 20006

(202) 775-3270

To download further data: CSIS.ORG

To contact author: Acordesman@aol.com

The Military Balance in North Africa

**An Analytic Overview: Military Expenditures
and Arms Transfers, Major Arms by Country
and Zone, and Qualitative Trends**

Anthony H. Cordesman

Arleigh A. Burke Chair in Strategy

with assistance from G. Ryan Faith

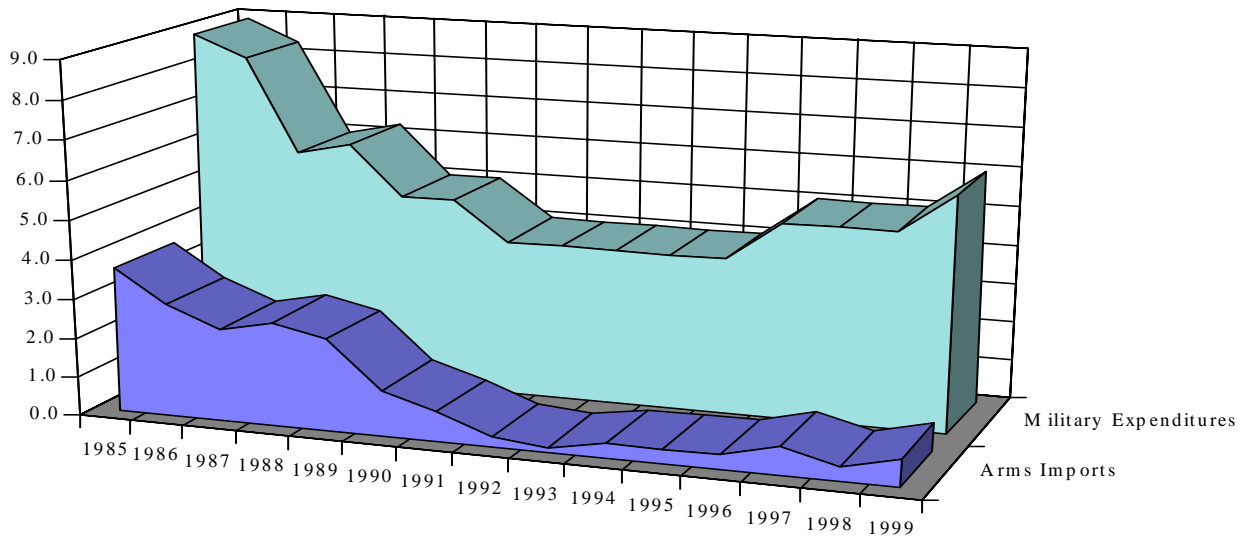
April 2003

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North African Military Expenditures and Arms Transfers in Constant Dollars Have Dropped to Low Levels by Global Standards

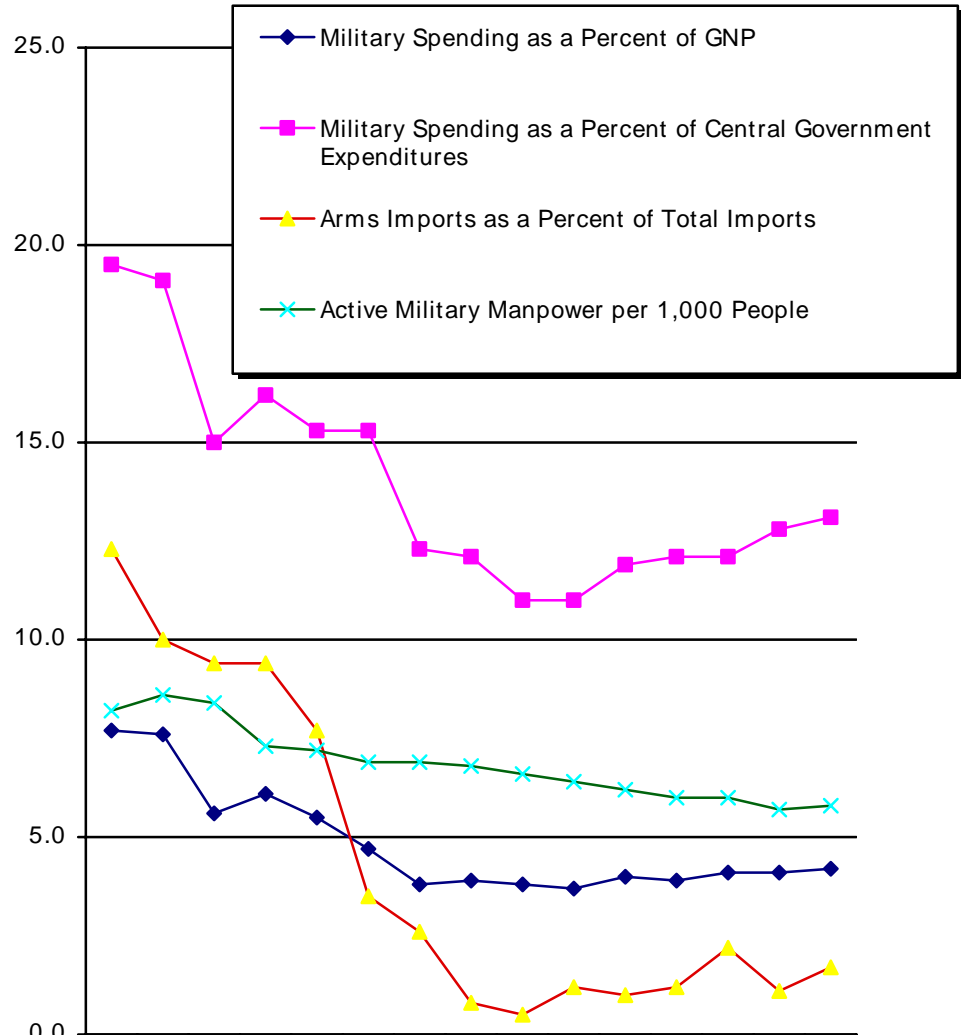
(Algerian, Libyan, Moroccan, and Tunisian spending in Constant \$US 1999 Billions)



	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Arms Imports	3.7	2.9	2.3	2.6	2.4	1.2	0.8	0.3	0.1	0.4	0.4	0.4	0.7	0.4	0.7
Military Expenditures	8.9	8.3	6.0	6.3	5.0	5.0	4.0	4.0	4.0	4.0	4.0	5.0	5.0	5.0	6.0

Source: Adapted by Anthony H. Cordesman from Bureau of Arms Control in the US State Department (formerly US State Department, Bureau of Arms Control), World Military Expenditures and Arms Transfers, various editions.

North African Military Efforts Declined Sharply as a Percent of GNP, Government Expenditures, Imports, and Total Population: 1985-1999

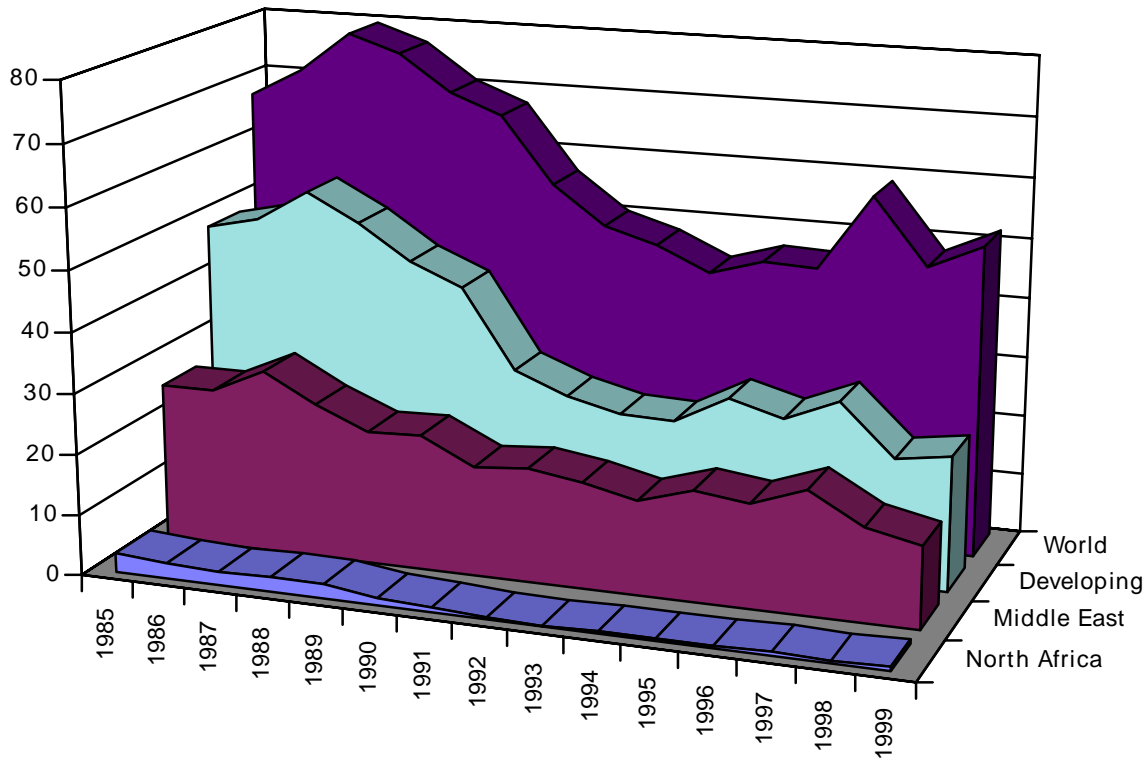


	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
◆ Military Spending as a Percent of GNP	7.7	7.6	5.6	6.1	5.5	4.7	3.8	3.9	3.8	3.7	4.0	3.9	4.1	4.1	4.2
■ Military Spending as a Percent of Central Government Expenditures	19.5	19.1	15.0	16.2	15.3	15.3	12.3	12.1	11.0	11.0	11.9	12.1	12.1	12.8	13.1
▲ Arms Imports as a Percent of Total Imports	12.3	10.0	9.4	9.4	7.7	3.5	2.6	0.8	0.5	1.2	1.0	1.2	2.2	1.1	1.7
× Active Military Manpower per 1,000 People	8.2	8.6	8.4	7.3	7.2	6.9	6.9	6.8	6.6	6.4	6.2	6.0	6.0	5.7	5.8

Source: Adapted by Anthony H. Cordesman from US State Department, World Military Expenditures and Arms Transfers, various editions, GPO, Washington. Middle East does not include North African states other than Egypt.

North African Arms Deliveries Are Declining, and Are a Minor Portion of the World Market: 1985-1999

(Arms Deliveries in Constant \$US 1999 Billions)

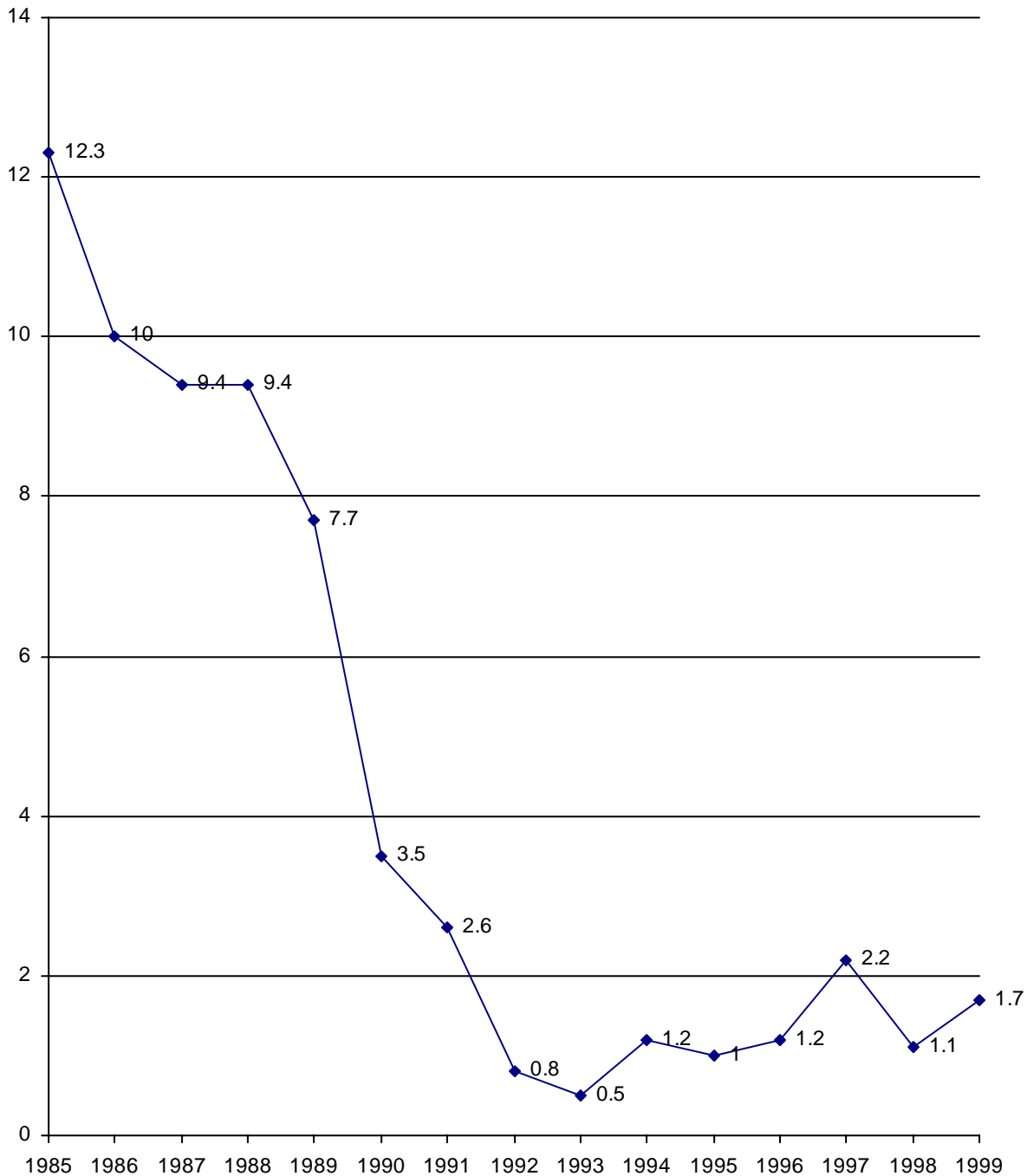


	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
North Africa	3.2	2.6	2.2	2.5	2.4	1.2	0.8	0.3	0.1	0.4	0.4	0.4	0.7	0.4	0.7
Middle East	26.2	26.2	30.2	25.6	22	22.3	18.1	18.8	17.5	15.5	18.2	17.1	20.3	15.4	13.5
Developing	48.7	50.7	56	51.5	45.8	42.2	29.1	25.7	23.6	23.3	28	25.6	29.3	20.9	22.2
World	67.9	72.5	79.3	76.5	70.5	67.2	56.2	49.9	47.4	43.5	46.1	45.8	58.4	47.5	51.6

Source: Adapted by Anthony H. Cordesman from Bureau of Arms Control in the US State Department, World Military Expenditures and Arms Transfers, various editions. Middle East does not include North African states other than Egypt.

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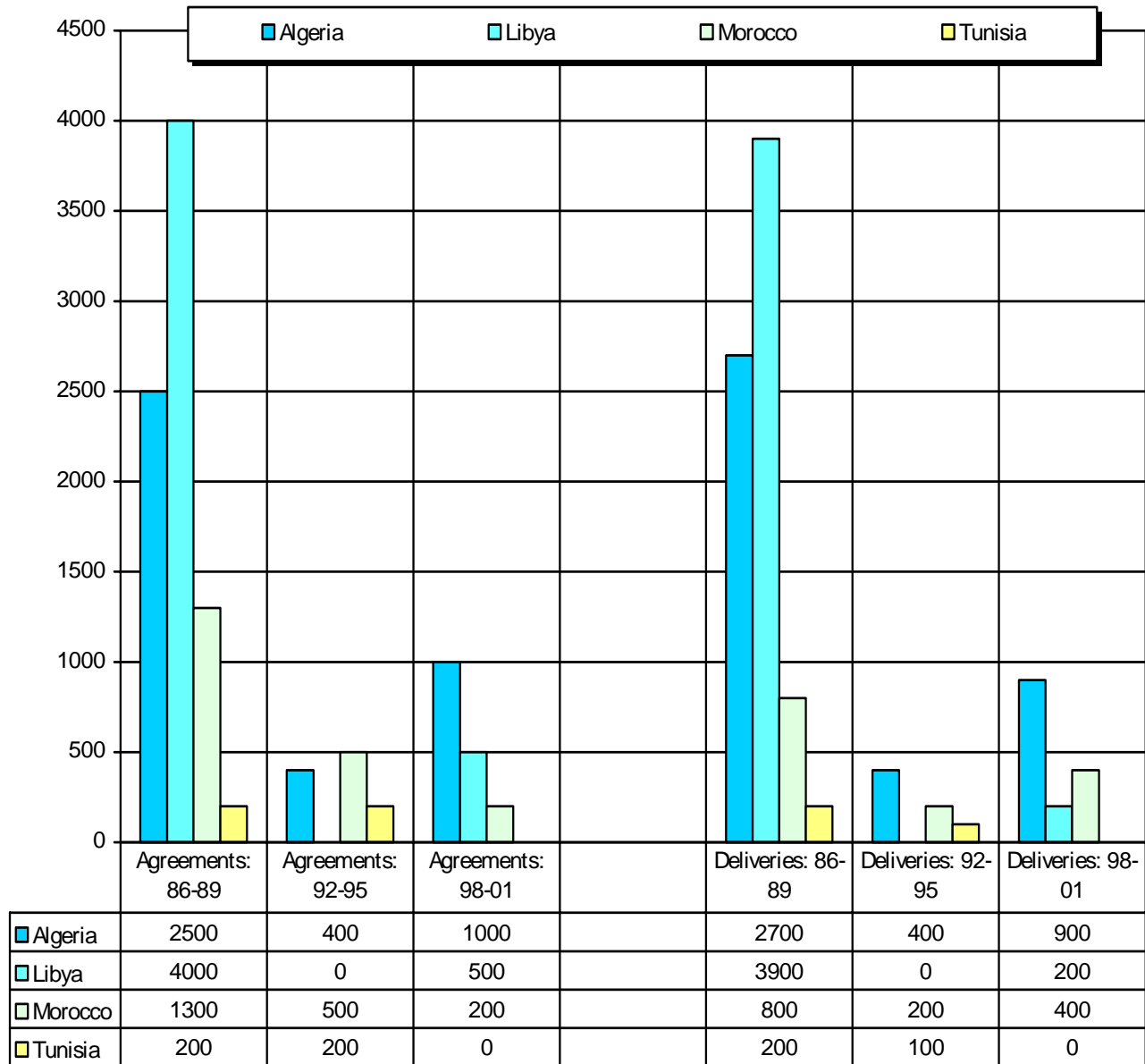
North African Arms Imports as a Percent of Total Imports: 1985-1999



Source: Adapted by Anthony H. Cordesman from Bureau of Arms Control in the US State Department, World Military Expenditures and Arms Transfers, various editions. North Africa does not include Egypt.

Trend in North African Agreements and Deliveries by Country: 1986-2001

(Arms Agreements and Deliveries to North African nations in \$US Current Millions)

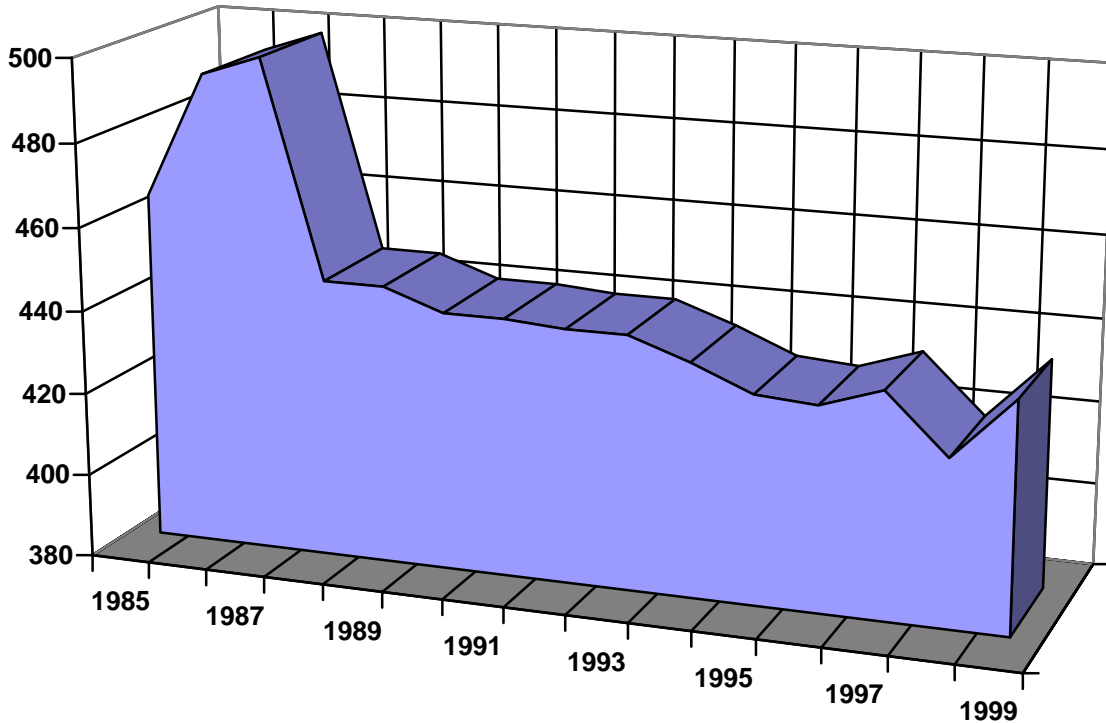


0 = Data less than \$50 million or nil. All data rounded to the nearest \$100 million.

Source: Richard F. Grimmett, Conventional Arms Transfers to the Developing Nations, Congressional Research Service, various editions.

Trends in North African Military Manpower

(Algerian, Libyan, Moroccan, and Tunisian Military Manpower in Thousands)

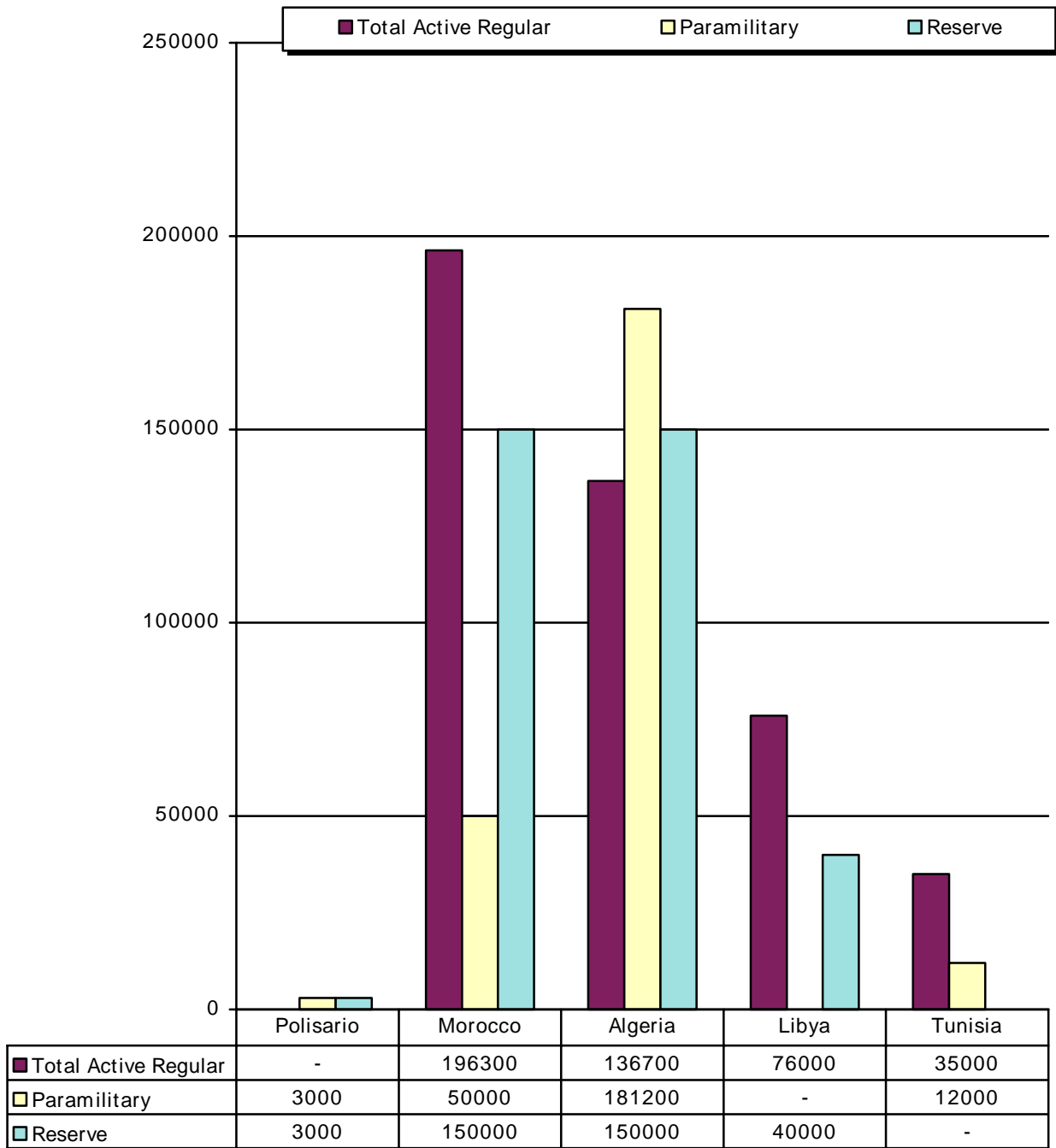


	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Manpower	464	494	499	447	447	442	442	441	441	436	430	429	434	420	435

Source: Adapted by Anthony H. Cordesman from the US State Department, World Military Expenditures and Arms Transfers, various editions. Middle East does not include North African states other than Egypt.

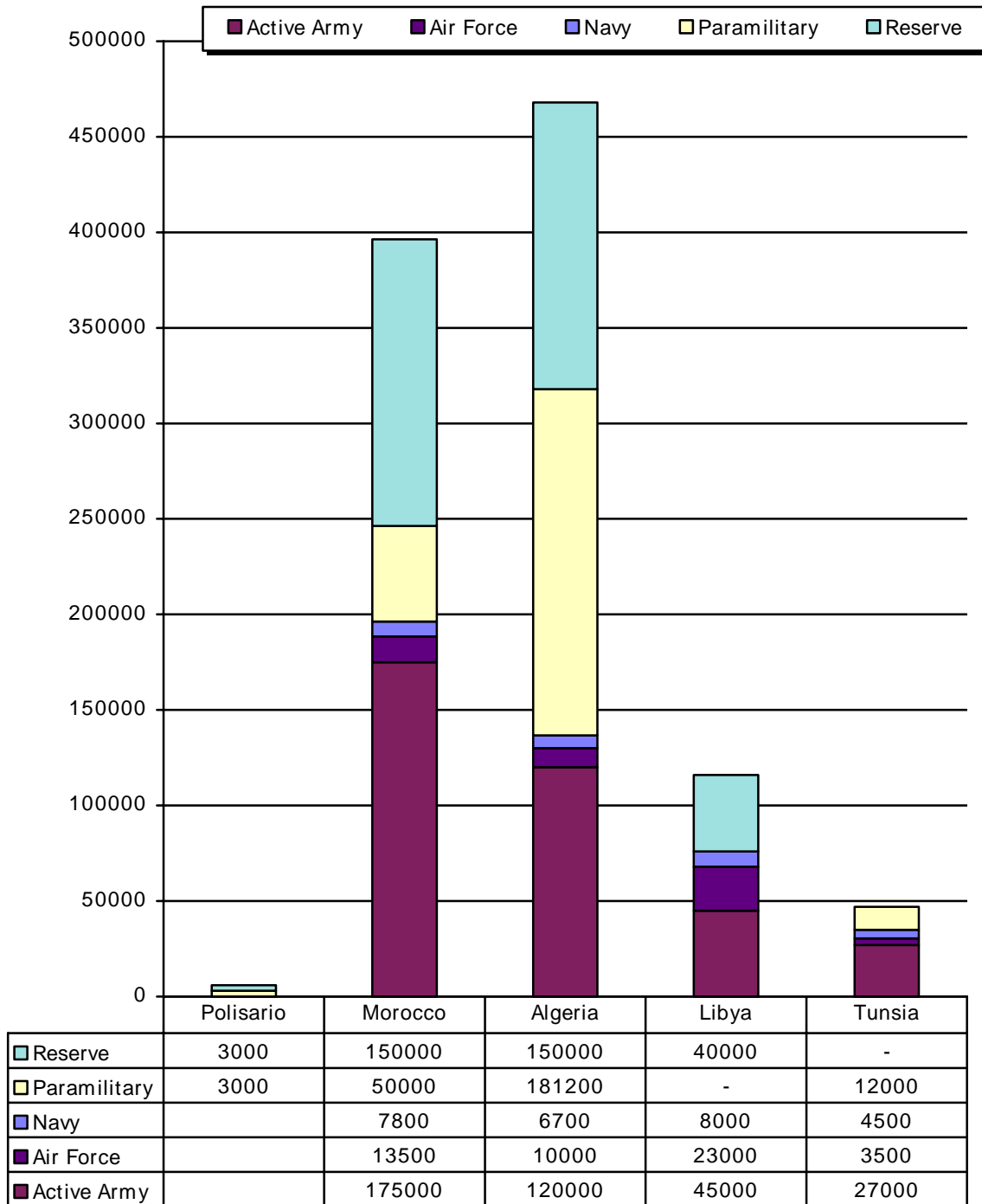
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Total Manpower in North African Military Forces in 2002-2003



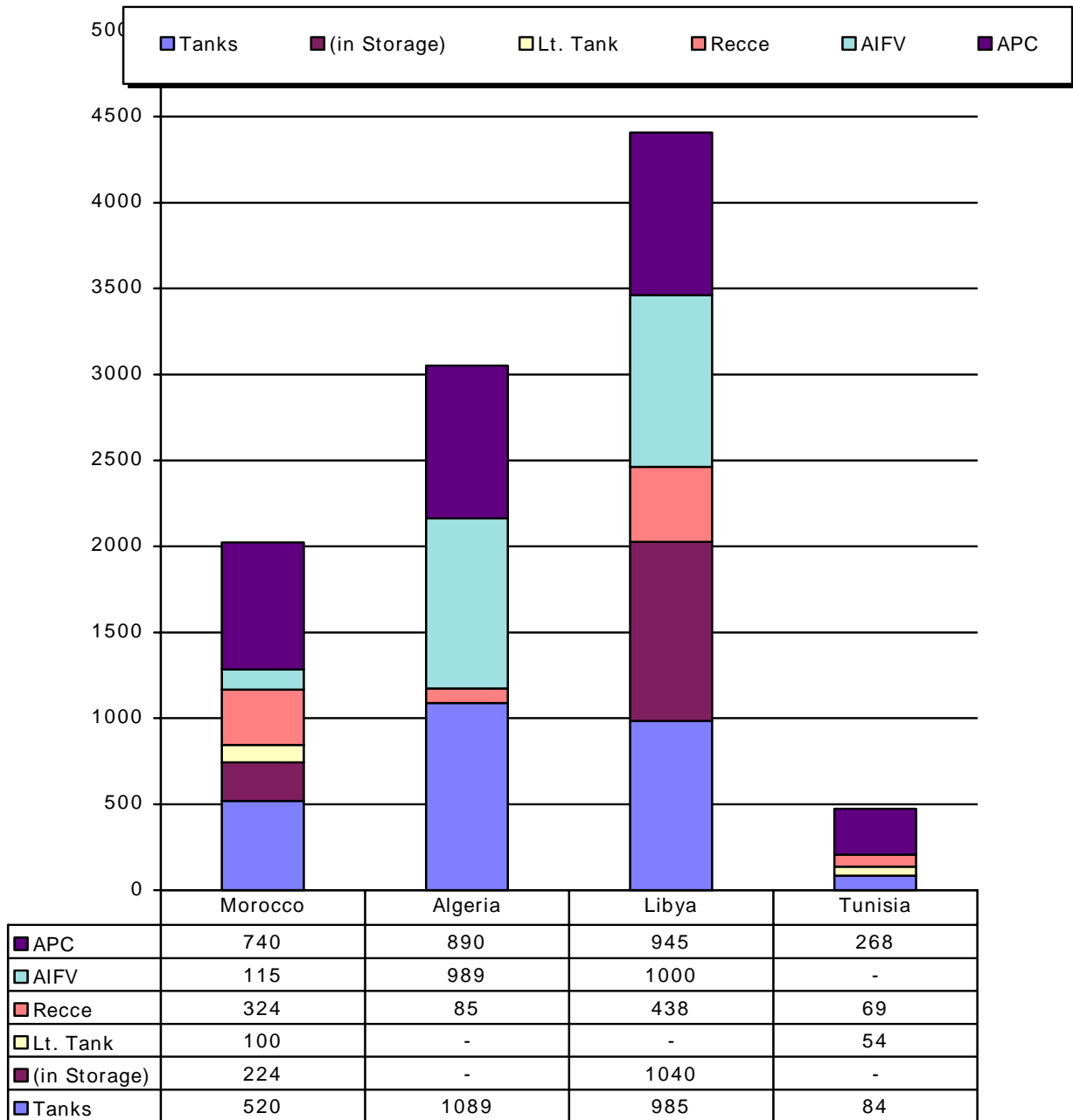
Source: Adapted by Anthony H. Cordesman from IISS, The Military Balance, various editions.

Total Regular Military Manpower in North African Forces by Service in 2002-2003



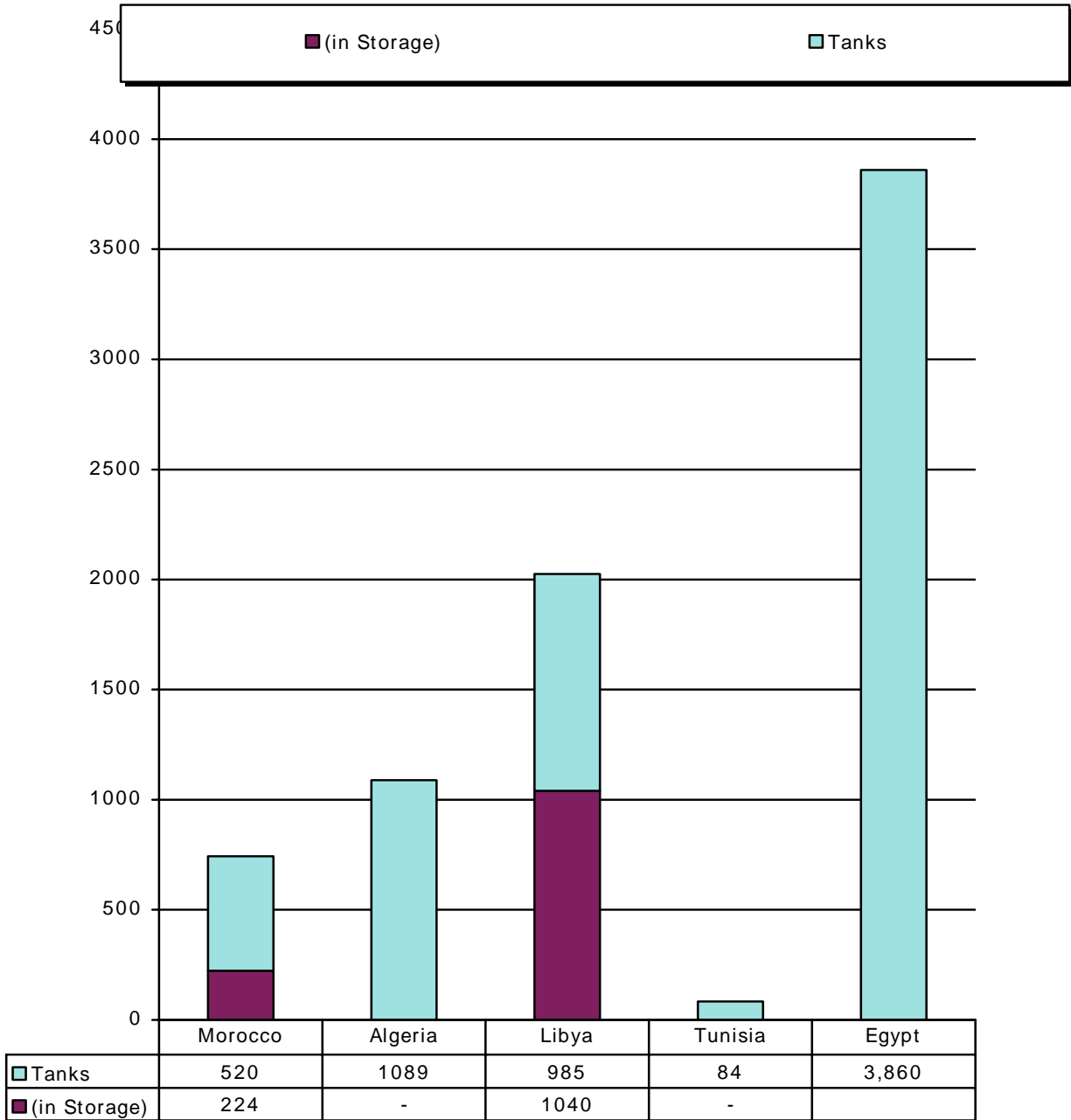
Source: Adapted by Anthony H. Cordesman from the IISS, The Military Balance, and JCSS, Military Balance in the Middle East, various editions.

Total North African Armor in 2002-2003



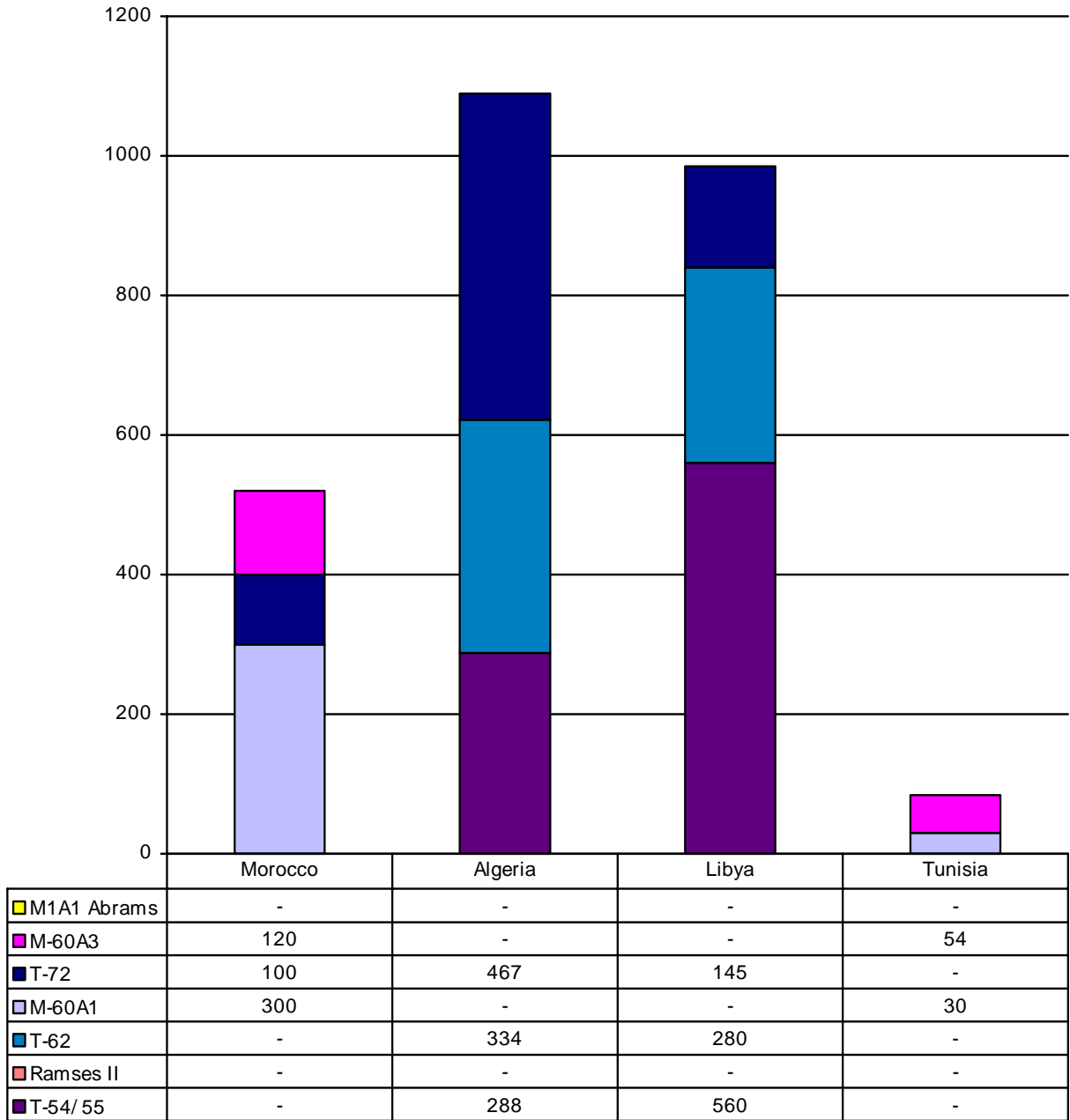
Source: Adapted by Anthony H. Cordesman from the IISS, *The Military Balance*, and JCSS, *Military Balance in the Middle East*, various editions.

Total North African Main Battle Tanks in 2002-2003



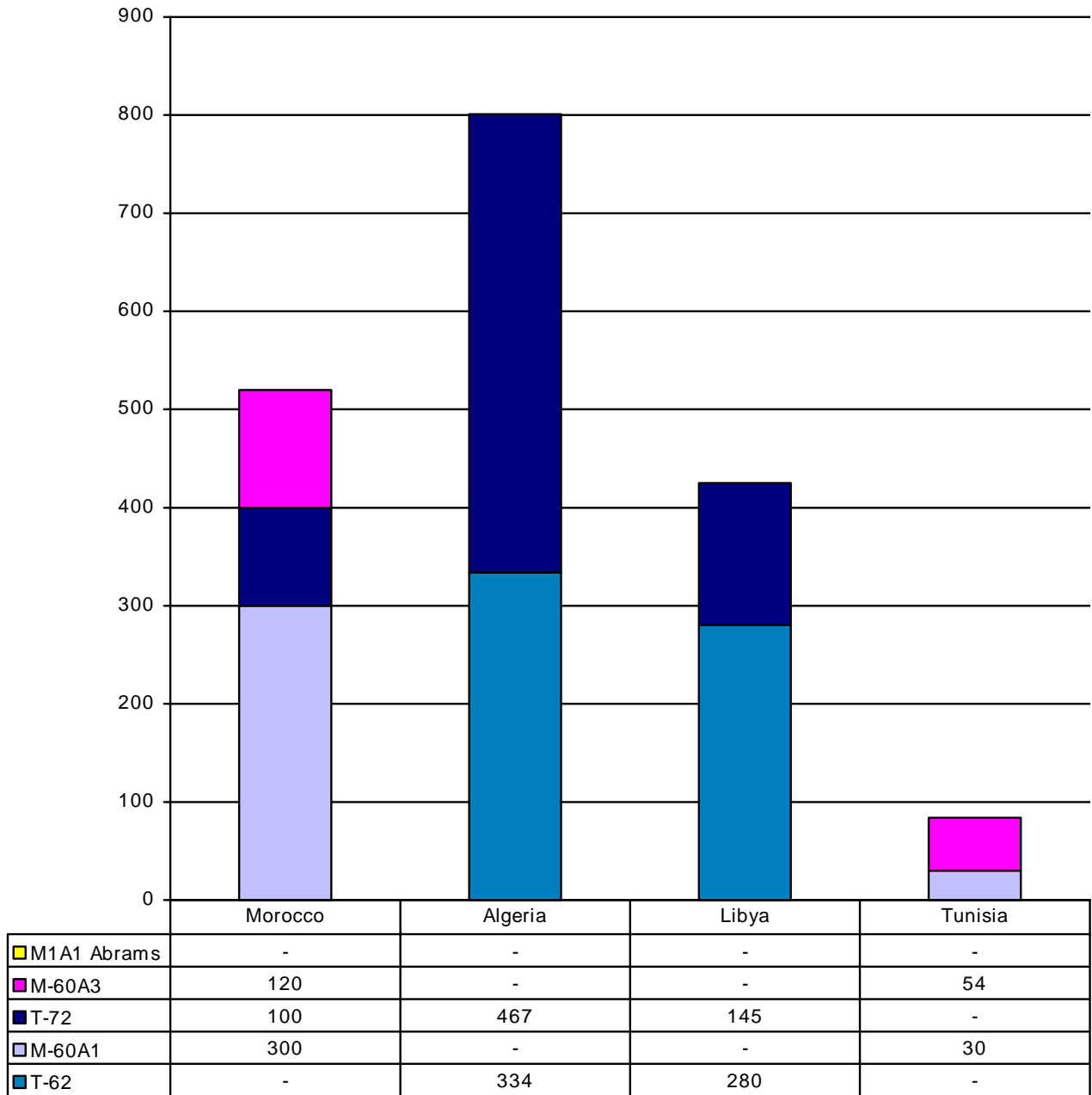
Source: Adapted by Anthony H. Cordesman from the IISS, The Military Balance, various editions.

Total North African Medium Active Main Battle Tanks by Type in 2002-2003



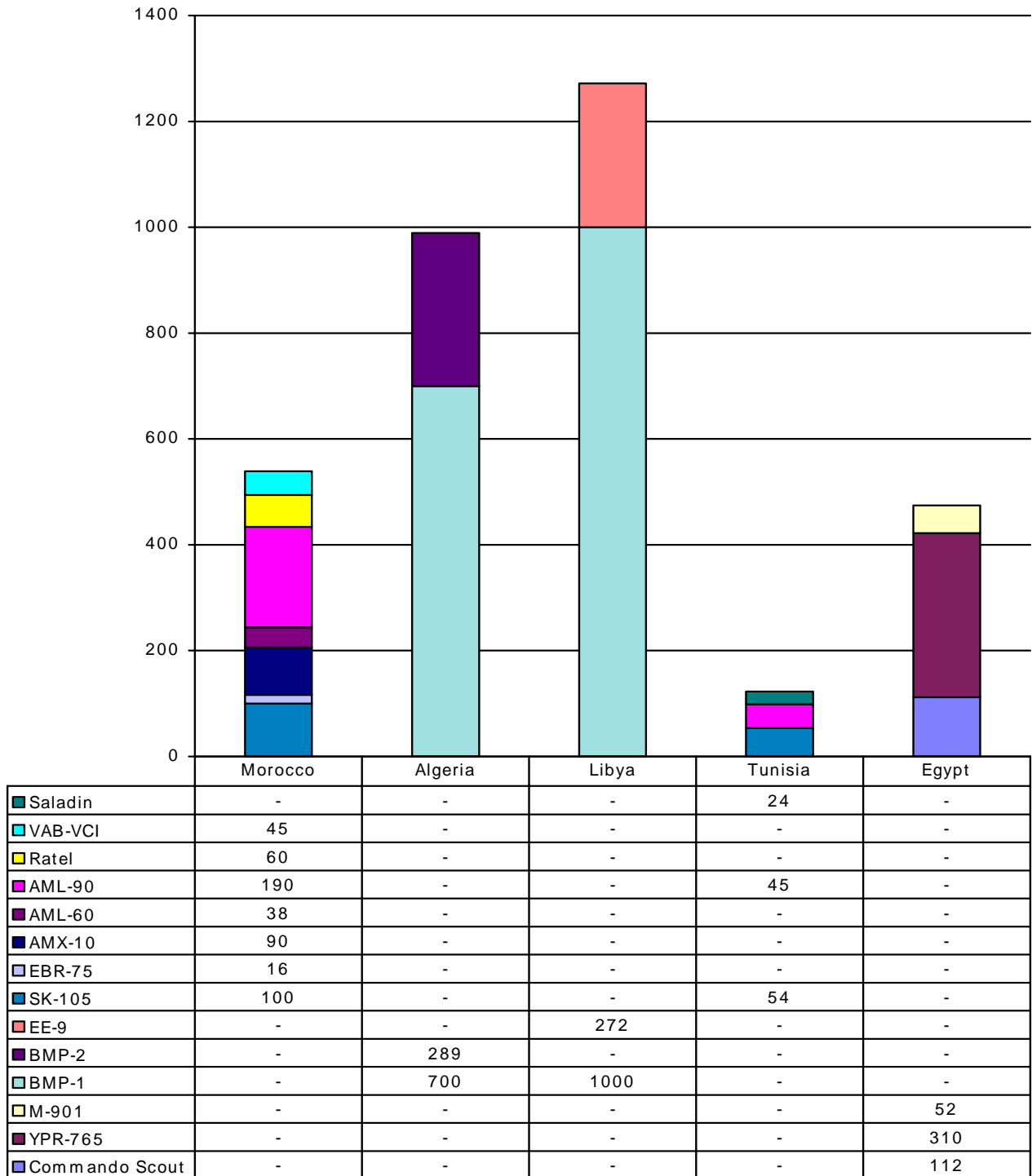
Source: Adapted by Anthony H. Cordesman from the IISS, The Military Balance, various editions.

Total North African Medium Quality and Modern Active Main Battle Tanks in 2002-2003



Source: Adapted by Anthony H. Cordesman from the IISS, The Military Balance, various editions.

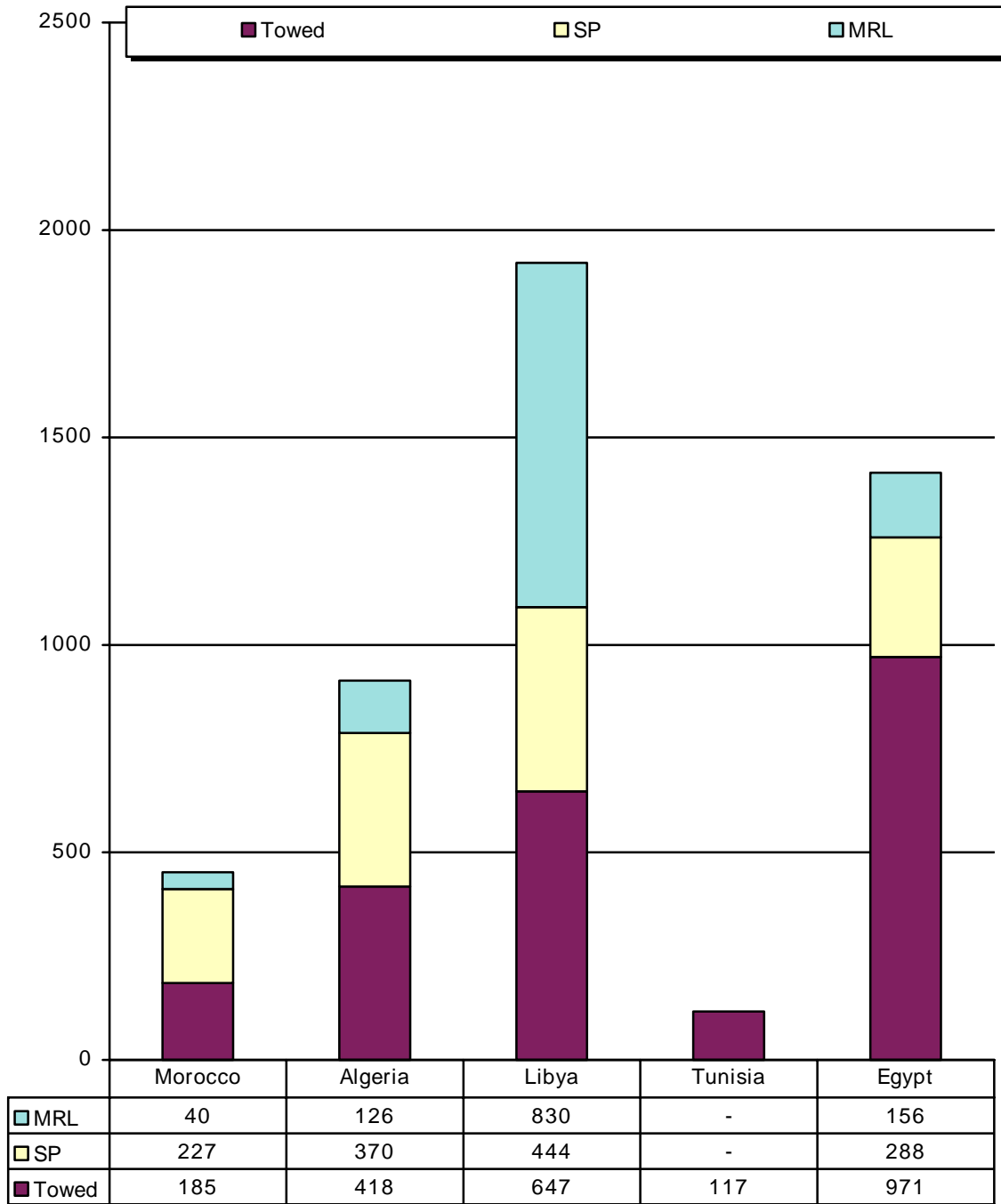
Total North African Medium Quality and Modern Other Armored Fighting Vehicles in 2002-2003 (Less APCs)



Source: Adapted by Anthony H. Cordesman from the IISS, The Military Balance, various editions.

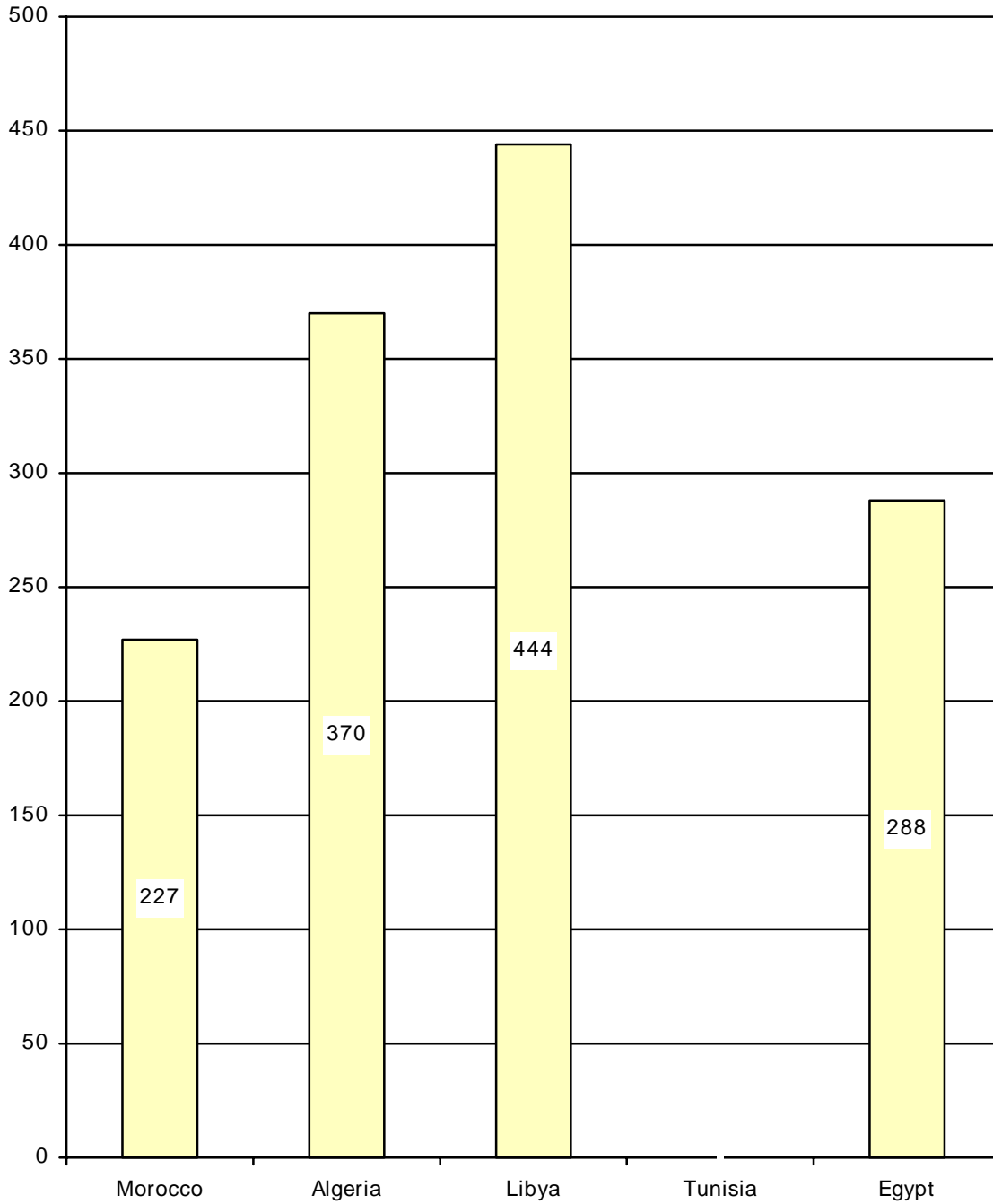
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Total North African Artillery in 2002-2003



Source: Adapted by Anthony H. Cordesman from the IISS, The Military Balance, various editions.

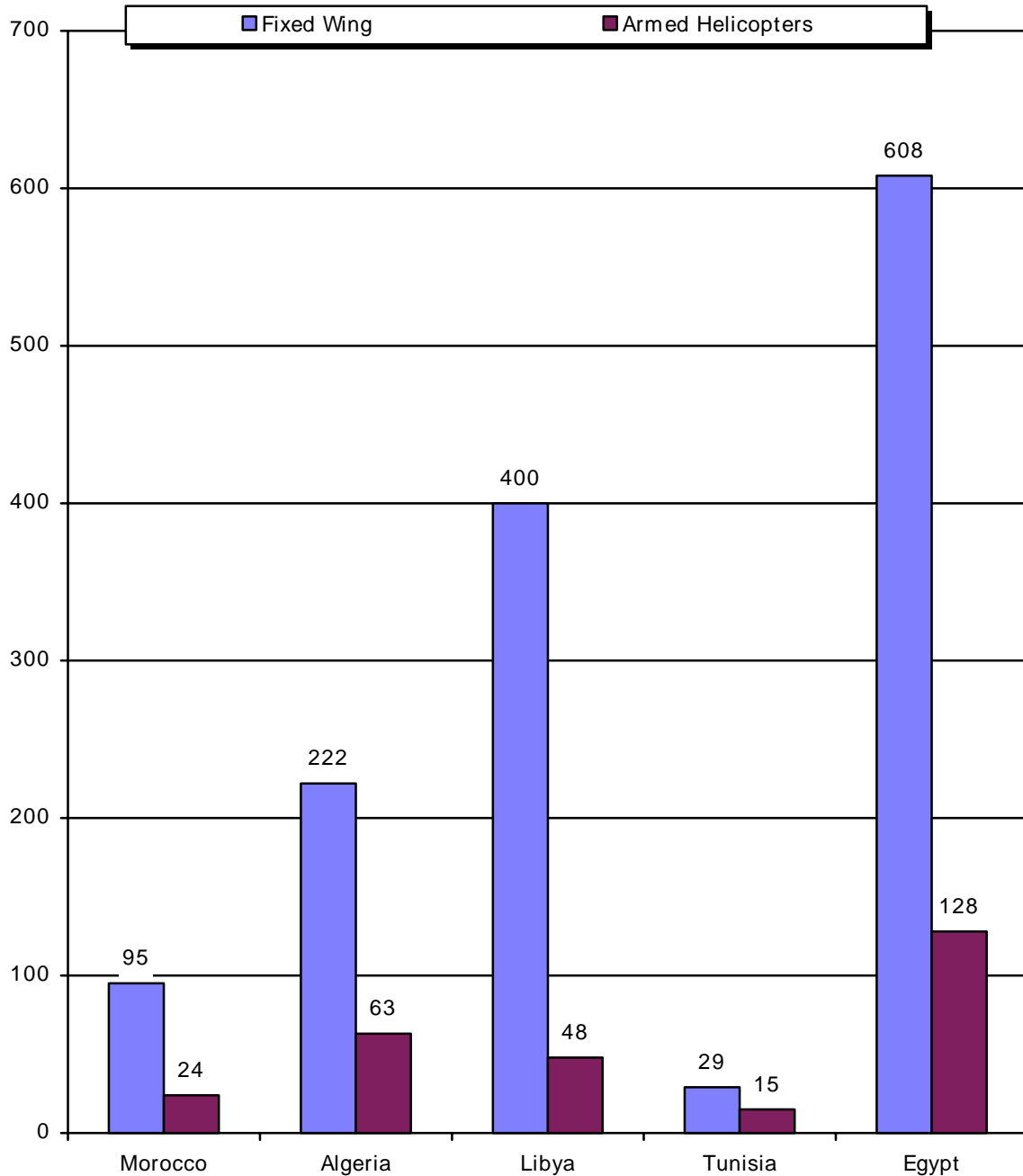
North African Self-Propelled Artillery in 2002-2003



Source: Adapted by Anthony H. Cordesman from the IISS, The Military Balance, various editions.

North Africa: Total Fixed Combat Aircraft and Armed Helicopters in 2003

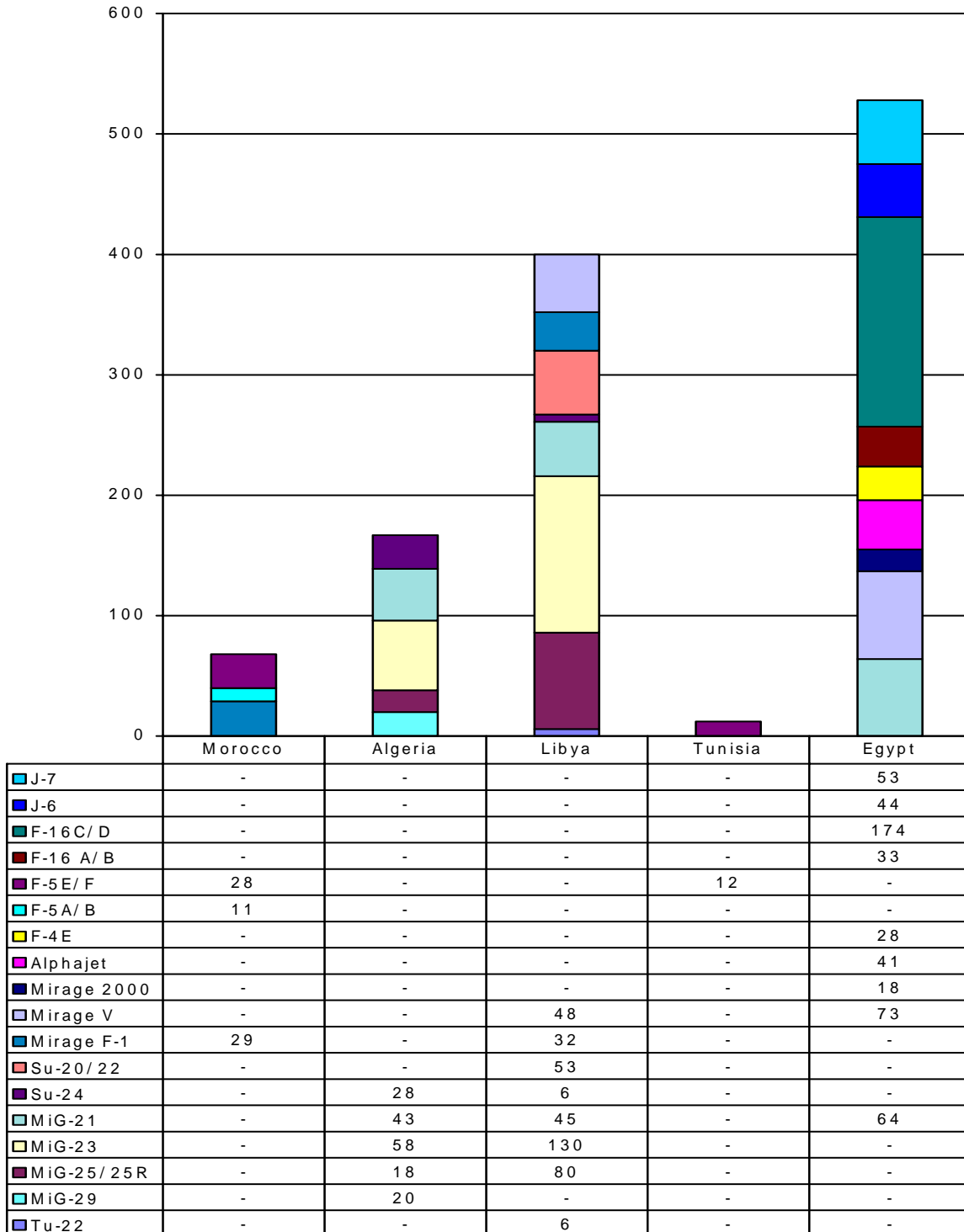
(Totals include all combat-capable, fixed-wing aircraft)



Source: Adapted by Anthony H. Cordesman from the IISS, *The Military Balance*, various editions.

North African Active Bomber, Fighter, FGA, and Strike Combat Aircraft by Type in 2003

(Does not include stored, unarmed electronic warfare or combat-capable recce and trainer aircraft)

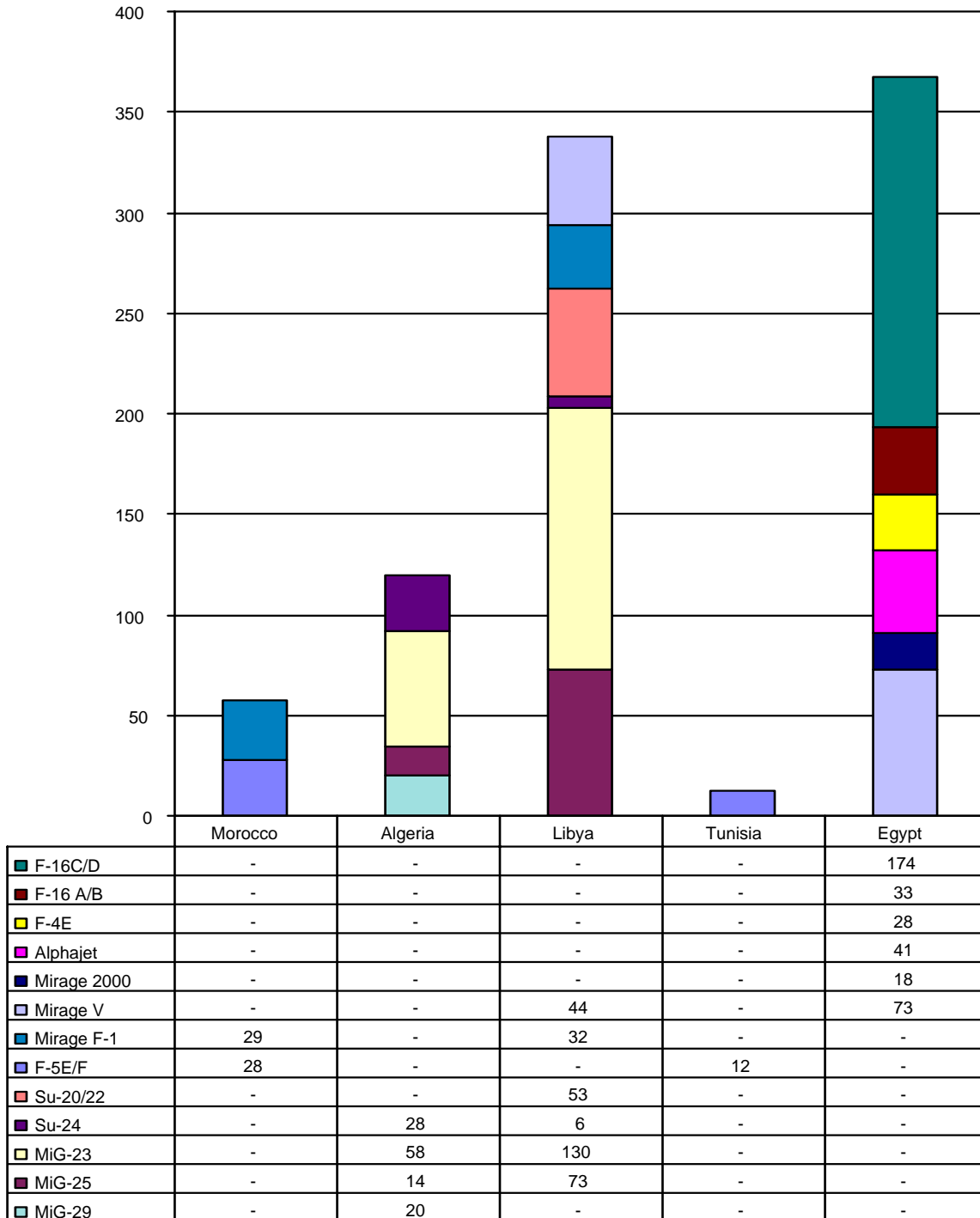


Source: Adapted by Anthony H. Cordesman from the IISS, The Military Balance, various editions.

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North African Medium and High Quality Combat Aircraft by Type in 2002-2003

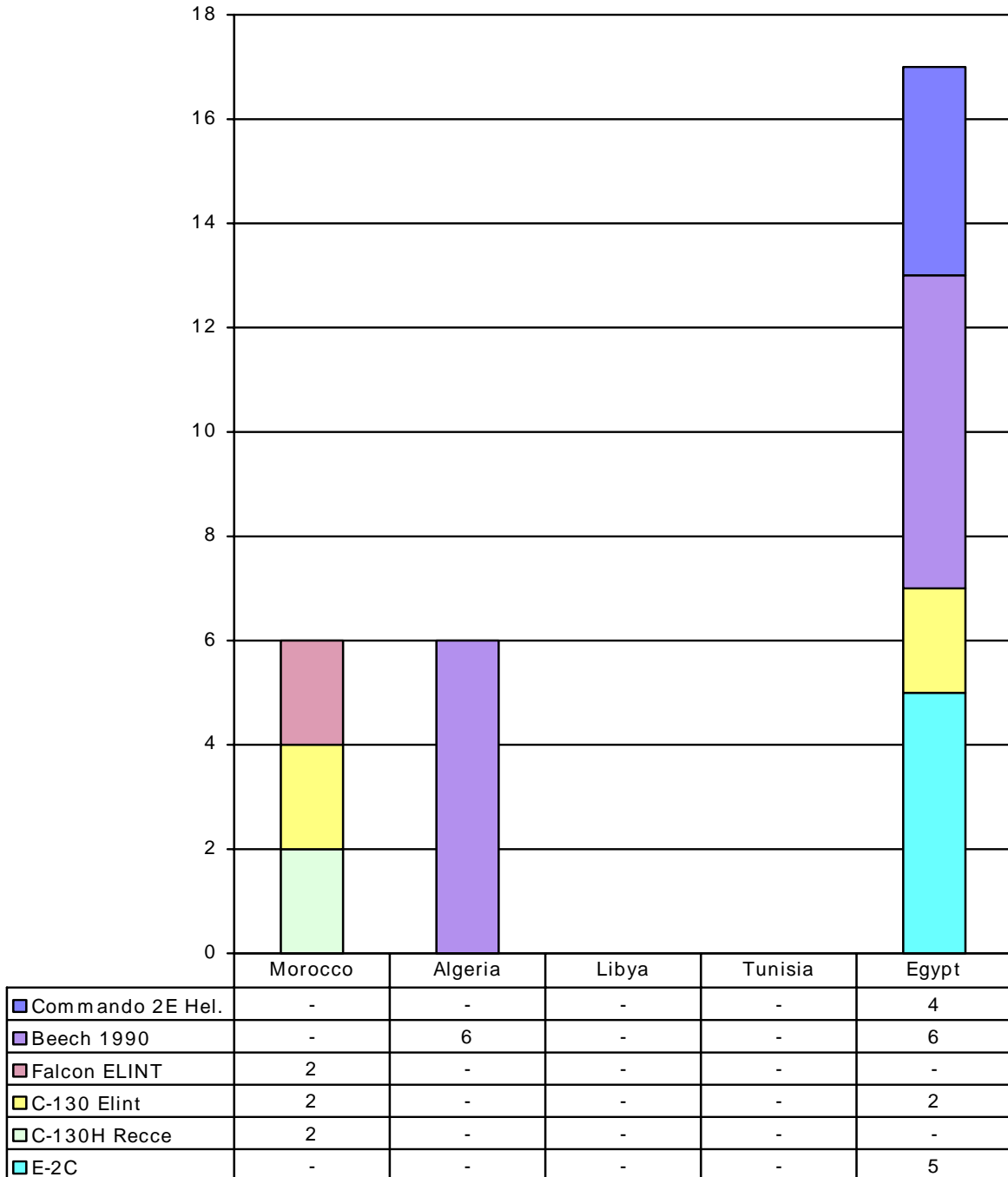
(Does not include stored, unarmed electronic warfare or combat-capable recce and trainer aircraft)



Source: Adapted by Anthony H. Cordesman from the IISS, The Military Balance, various editions.

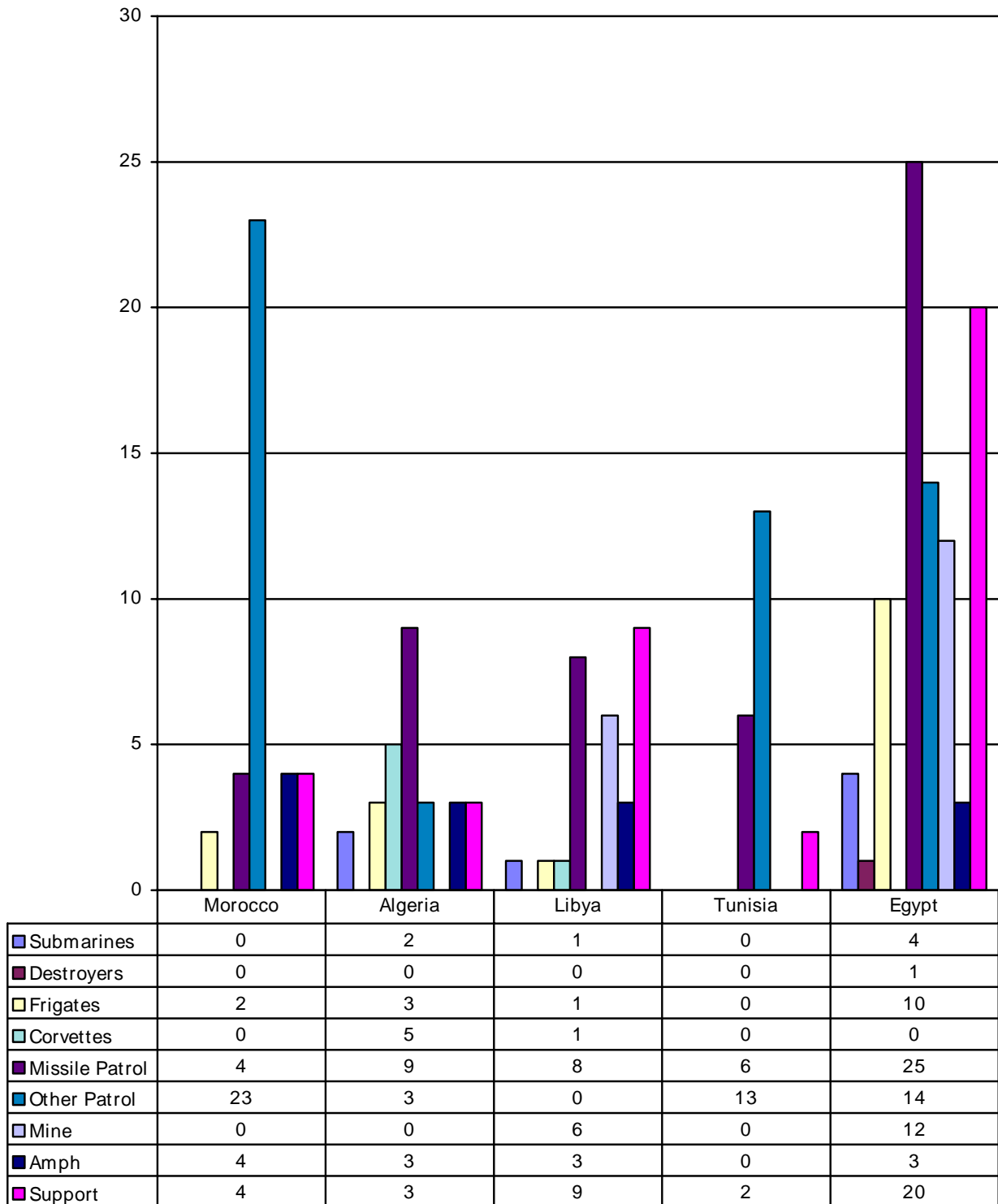
North African Active AEW, ELINT and Electronic Warfare Aircraft by Type in 2002-2003

(Does not include recce or dedicated maritime reconnaissance aircraft)



Source: Adapted by Anthony H. Cordesman from the IISS, The Military Balance, various editions.

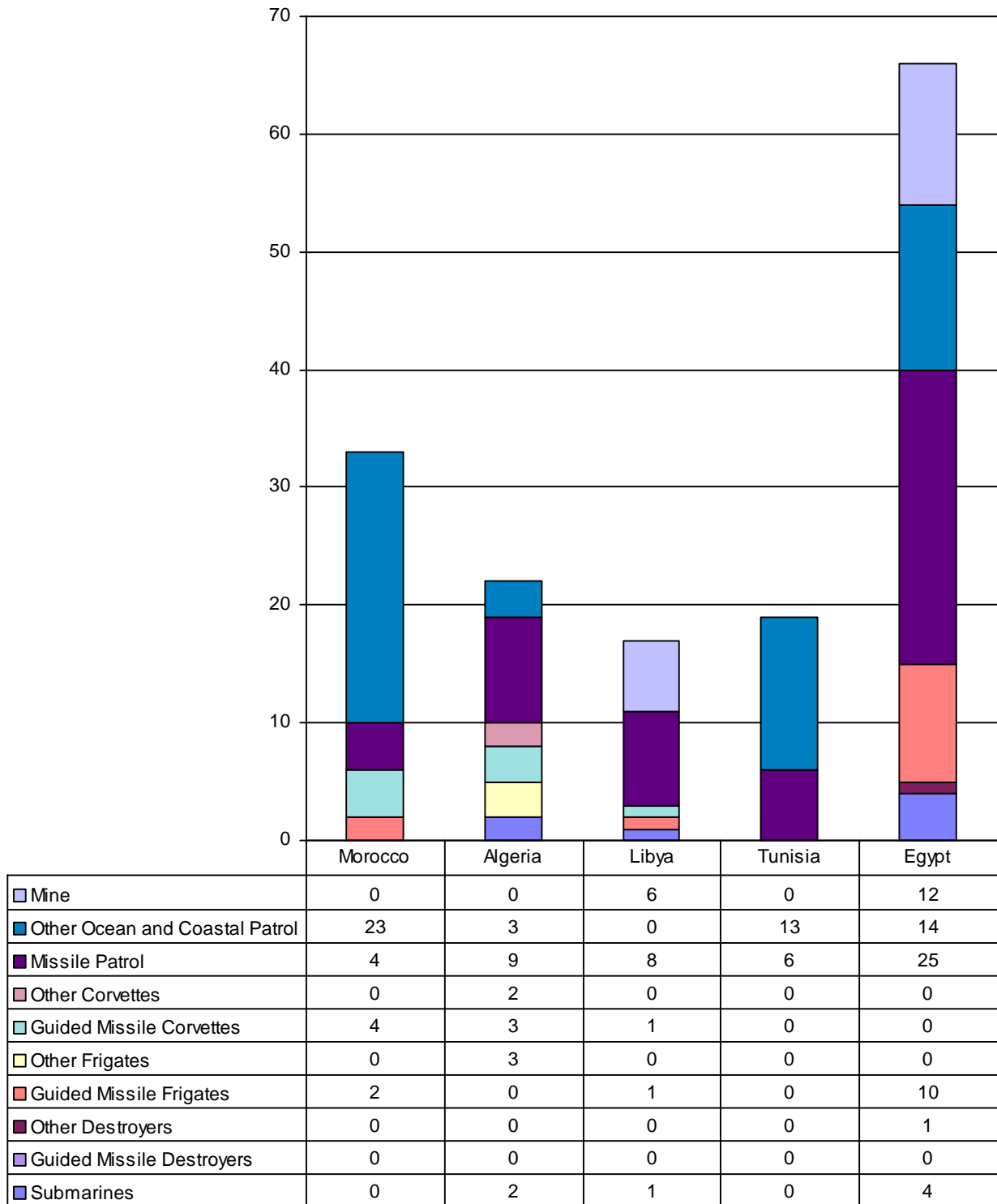
North African Naval Ships in Active Inventory by Category in 2002-2003



Source: Adapted by Anthony H. Cordesman from the IISS, *The Military Balance* and *Jane's Fighting Ships*, various editions.

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North African Major Active Combat Ships in 2002-2003



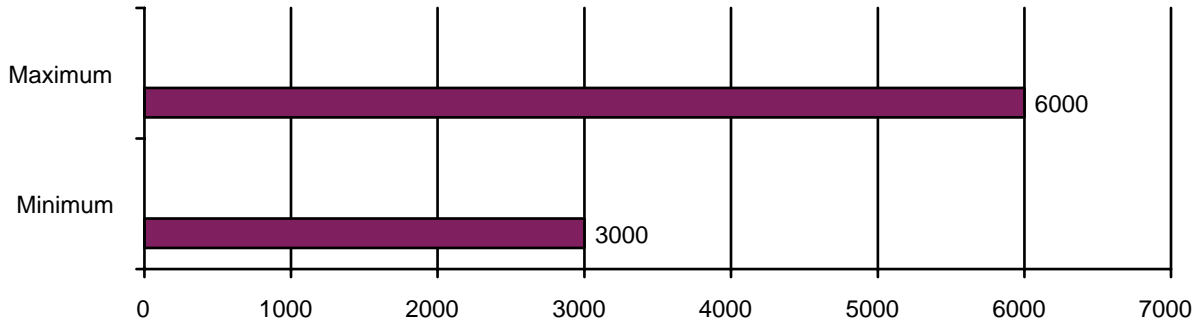
Source: Adapted by Anthony H. Cordesman from the IISS, The Military Balance and Jane's Fighting Ships, various editions

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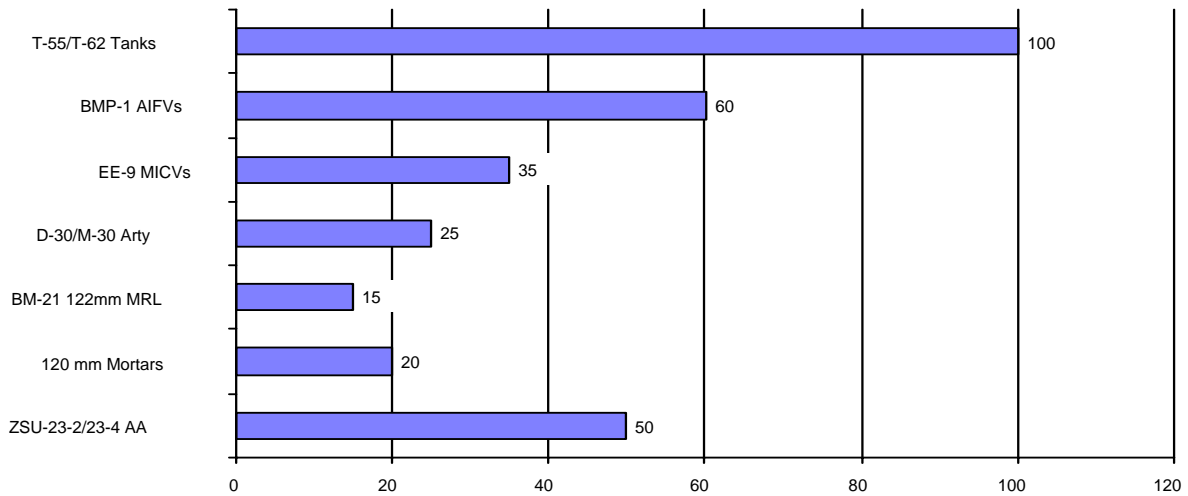
Polisario Forces in 2000

(Sahrawi People's Liberation Army)

Manpower



Weapons



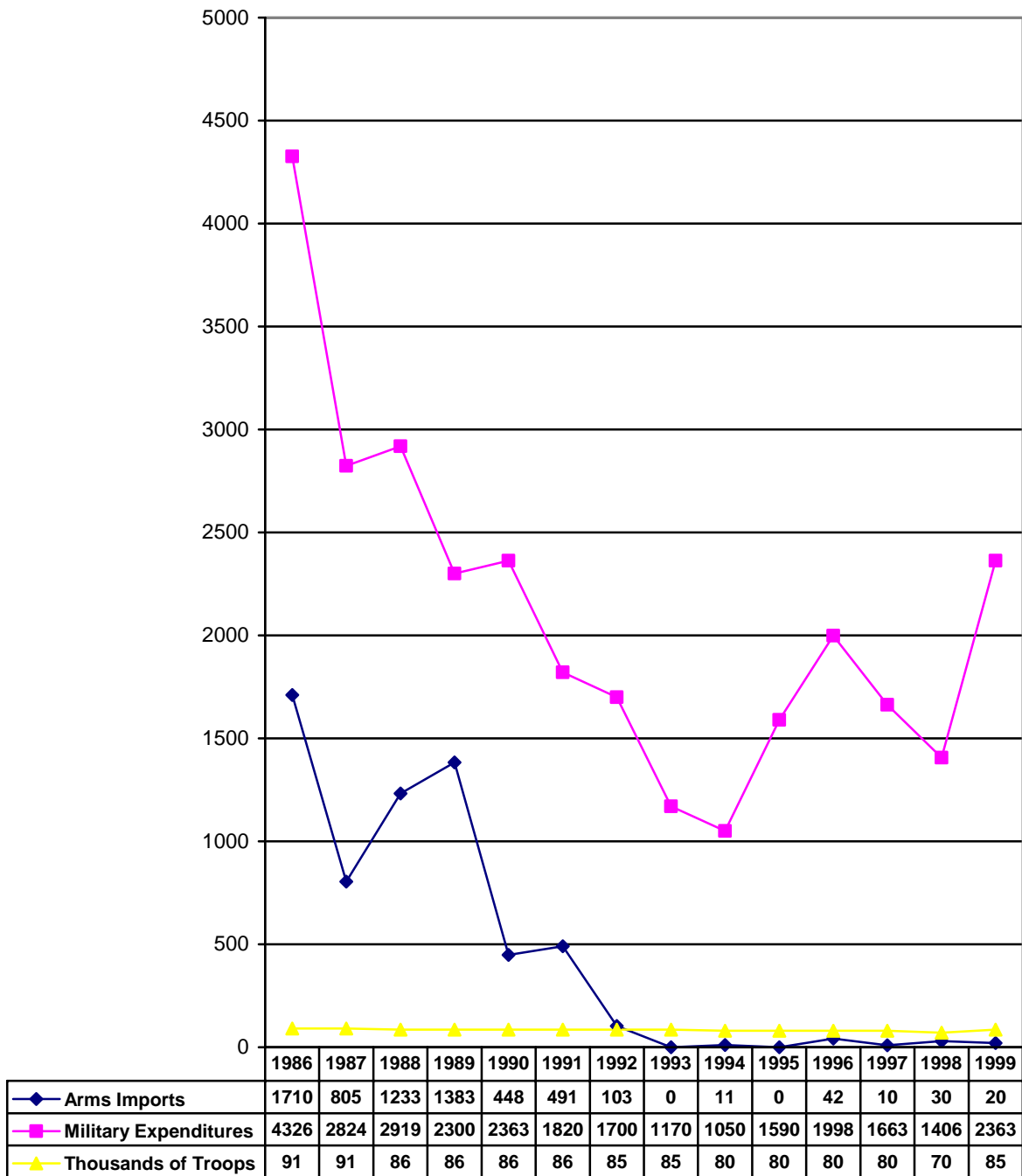
Other Equipment: Numbers Unknown

- Steyr SK-105 Light. Tanks
- Panhard APCs
- Ratel 20 AFVs
- Eland armored reconnaissance vehicles
- AML-90
- AT-3 Sagger anti-tank guided missiles
- SA-6, SA-7, SA-8, SA-9 surface-to-air missiles

Source: Adapted by Anthony H. Cordesman from data provided by US experts, the IISS, [Military Balance](#), and Jane's [Sentinel](#).

The Decline in Libyan Spending and Arms Imports: 1986-1999

(Constant \$US 1999 Millions)



Source: Adapted by Anthony H. Cordesman from US State Department, *World Military Expenditures and Arms Transfers*, GPO, Washington, various editions. Some data adjusted or estimated by author.

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