

Machine	Number of general-purpose registers	Architectural style	Year
EDSAC	1	Accumulator	1949
IBM 701	1	Accumulator	1953
CDC 6600	8	Load-store	1963
IBM 360	16	Register-memory	1964
DEC PDP-8	1	Accumulator	1965
DEC PDP-11	8	Register-memory	1970
Intel 8008	1	Accumulator	1972
Motorola 6800	2	Accumulator	1974
DEC VAX	16	Register-memory, memory-memory	1977
Intel 8086	1	Extended accumulator	1978
Motorola 68000	16	Register-memory	1980
Intel 80386	8	Register-memory	1985
ARM	16	Load-store	1985
MIPS	32	Load-store	1985
HP PA-RISC	32	Load-store	1986
SPARC	32	Load-store	1987
PowerPC	32	Load-store	1992
DEC Alpha	32	Load-store	1992
HP/Intel IA-64	128	Load-store	2001
AMD64 (EMT64)	16	Register-memory	2003

FIGURE e2.23.1 The number of general-purpose registers in popular architectures over the years.