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   Sommario/riassunto A family of commercially feasible ways for new systems to perform
                       floating-point arithmetic is defined. This standard specifies constraints
                       on parameters defining values of basic and extended floating-point
                       numbers; add, subtract, multiply, divide, square root, remainder, and
                       compare operations; conversions between integers and floating-point
                       numbers; conversions between different floating-point precisions;
                       conversion between basic precision floating-point numbers and
                       decimal strings; and floating-point exceptions and their handling,
                       including nonnumbers. It is intended that an implementation of a
                       floating-point system conforming to this standard can be realized
                       entirely in software, entirely in hardware, or in any combination of
                       software and hardware. Retrofitting issues are not considered.