

Test	f				g				h			
	Dec	S i g n	Expo nent	Mantissa	Dec	S i g n	Expo nent	Mantissa	Dec	S i g n	Expo nent	Mantissa
Pos-Pos	1.67 45	0	0111 1111 111	10101100101011000000 10000011000100100110 111010010111	467 8.34	0	1000 0001 011	00100100011001010111 00001010001111010111 000010100011	7833.880 33	0	1000 0001 011	11101001100111100001 01011101010011101000 111110110000
Pos-Neg	3.78	0	1000 0000 000	11100011110101110000 10100011110101110000 101000111101	- 331. 67	1	1000 0000 111	01001011101010111000 01010001111010111000 010100011111	- 1253.712 6	1	1000 0001 001	00111001011011011001 10110011110100000111 110010000101
Neg-Pos	- 9.87	1	1000 0000 010	00111011110101110000 10100011110101110000 101000111101	89.7 6	0	1000 0000 101	01100111000010100011 11010111000010100011 110101110001	- 885.9312	1	1000 0001 000	10111010111101110011 00011000111111000101 000001001000
Neg-Neg	- 4.67	1	1000 0000 001	00101010111000010100 01111010111000010100 011110101110	- 567. 89	1	1000 0001 000	00011011111100011110 10111000010100011110 101110000101	2652.046 3	0	1000 0001 010	01001011100000010111 10110100101000100011 001110011100
Zero Multi plicat ion	0.0	0	0000 0000 000	00000000000000000000 00000000000000000000 000000000000	89.4	0	1000 0000 101	01100101100110011001 10011001100110011001 100110011010	0.0	0	0000 0000 000	00000000000000000000 00000000000000000000 000000000000
Overf low Test	1.0e 308	0	1111 1111 110	00011100110011110011 10000101111010111100 100010011111	2.0e 308	0	1111 1111 111	00000000000000000000 00000000000000000000 000000000000	Infinity	0	1111 1111 111	00000000000000000000 00000000000000000000 000000000000
Unde rflow Test	1.0e -308	0	0000 0000 000	01110011000011010110 01111000000110011110 100011010010	2.0e -308	0	0000 0000 000	11100110000110101100 11110000001100111101 000110100100	0.0	0	0000 0000 000	00000000000000000000 00000000000000000000 000000000000
Mixe d Peci sion Test	1.23 456 789	0	0111 1111 111	00111100000011001010 01000010100000111101 111000011011	0.00 000 001	0	0111 1100 100	01010111100110001110 11100010001100001000 110000111010	1.234567 8899999 999E-8	0	0111 1100 100	10101000001100011011 11010111001001100011 111101111110

Large Mag nitud e Multi plicat ion	1.0e 200	0	1101 0010 111	01001110011100011000 110101111110101110110 001001011010	1.0e 200	0	1101 0010 111	01001110011100011000 110101111110101110110 001001011010	Infinity	0	1111 1111 111	00000000000000000000 00000000000000000000 000000000000
Deno rmali zed Num bers:  (smal lest repre senta ble positi ve num bers)	1.0e -323	0	0000 0000 000	00000000000000000000 00000000000000000000 000000000010	2.0e -323	0	0000 0000 000	00000000000000000000 00000000000000000000 000000000100	0.0	0	0000 0000 000	00000000000000000000 00000000000000000000 000000000000
NaN Hand ling:	NaN	0	1111 1111 111	11111111111111111111 11111111111111111111 111111111111	3.14	0	1000 0000 000	10010001111010111000 01010001111010111000 010100011111	NaN	1	1111 1111 111	11111111111111111111 11111111111111111111 111111111111
	3.14	0	1000 0000 000	10010001111010111000 01010001111010111000 010100011111	NaN	0	1111 1111 111	11111111111111111111 11111111111111111111 111111111111	NaN	1	1111 1111 111	11111111111111111111 11111111111111111111 111111111111
Infini ty	Infin ity	0	1111 1111 111	00000000000000000000 00000000000000000000 000000000000	5.0	0	1000 0000 001	01000000000000000000 00000000000000000000 000000000000	Infinity	0	1111 1111 111	00000000000000000000 00000000000000000000 000000000000

Handling	5.0	0	1000 0000 001	01000000000000000000 00000000000000000000 000000000000	- Infinity	1	1111 1111 111	00000000000000000000 00000000000000000000 000000000000	- Infinity	1	1111 1111 111	00000000000000000000 00000000000000000000 000000000000
Rounding and Precision	0.1	0	0111 1111 011	10011001100110011001 10011001100110011001 100110011010	0.2	0	0111 1111 100	10011001100110011001 10011001100110011001 100110011010	2.000000 0000000 004E-2	0	0111 1111 001	01000111101011100001 01000111101011100001 010001111100