| Test | f | | | | | | g | | | h | | |
|--------|------|---|------|---|------|---|------|----------------------|----------|---|------|---|
| | Dec | S | Ехро | Mantissa | Dec | S | Ехро | Mantissa | Dec | S | Ехро | Mantissa |
| | | i | nent | | | i | nent | | | i | nent | |
| | | g | | | | g | | | | g | | |
| | | n | | | | n | | | | n | | |
| Pos- | 1.67 | 0 | 0111 | 10101100101011000000 | 467 | 0 | 1000 | 00100100011001010111 | 7833.880 | 0 | 1000 | 11101001100111100001 |
| Pos | 45 | | 1111 | 10000011000100100110 | 8.34 | | 0001 | 00001010001111010111 | 33 | | 0001 | 01011101010011101000 |
| | | | 111 | 111010010111 | | | 011 | 000010100011 | | | 011 | 111110110000 |
| Pos- | 3.78 | 0 | 1000 | 11100011110101110000 | - | 1 | 1000 | 01001011101010111000 | - | 1 | 1000 | 00111001011011011001 |
| Neg | | | 0000 | 10100011110101110000 | 331. | | 0000 | 01010001111010111000 | 1253.712 | | 0001 | 10110011110100000111 |
| | | | 000 | 101000111101 | 67 | | 111 | 010100011111 | 6 | | 001 | 110010000101 |
| Neg- | 1 | 1 | 1000 | 00111011110101110000 | 89.7 | 0 | 1000 | 01100111000010100011 | - | 1 | 1000 | 10111010111101110011 |
| Pos | 9.87 | | 0000 | 10100011110101110000 | 6 | | 0000 | 11010111000010100011 | 885.9312 | | 0001 | 00011000111111000101 |
| | | | 010 | 101000111101 | | | 101 | 110101110001 | | | 000 | 000001001000 |
| Neg- | | 1 | 1000 | 00101010111000010100 | - | 1 | 1000 | 00011011111100011110 | 2652.046 | 0 | 1000 | 01001011100000010111 |
| Neg | 4.67 | | 0000 | 01111010111000010100 | 567. | | 0001 | 10111000010100011110 | 3 | | 0001 | 10110100101000100011 |
| | | | 001 | 011110101110 | 89 | | 000 | 101110000101 | | | 010 | 001110011100 |
| Zero | 0.0 | 0 | 0000 | 000000000000000000000000000000000000000 | 89.4 | 0 | 1000 | 01100101100110011001 | 0.0 | 0 | 0000 | 000000000000000000000000000000000000000 |
| Multi | | | 0000 | 000000000000000000000000000000000000000 | | | 0000 | 10011001100110011001 | | | 0000 | 000000000000000000000000000000000000000 |
| plicat | | | 000 | 00000000000 | | | 101 | 100110011010 | | | 000 | 00000000000 |
| ion | | | | | | | | | | | | |
| Overf | 1.0e | 0 | 1111 | 00011100110011110011 | 2.0e | 0 | 1111 | 00000000000000000000 | Infinity | 0 | 1111 | 000000000000000000000000000000000000000 |
| low | 308 | | 1111 | 10000101111010111100 | 308 | | 1111 | 00000000000000000000 | | | 1111 | 000000000000000000000000000000000000000 |
| Test | | | 110 | 100010011111 | | | 111 | 00000000000 | | | 111 | 00000000000 |
| Unde | 1.0e | 0 | 0000 | 01110011000011010110 | 2.0e | 0 | 0000 | 11100110000110101100 | 0.0 | 0 | 0000 | 000000000000000000000000000000000000000 |
| rflow | -308 | | 0000 | 01111000000110011110 | -308 | | 0000 | 11110000001100111101 | | | 0000 | 000000000000000000000000000000000000000 |
| Test | | | 000 | 100011010010 | | | 000 | 000110100100 | | | 000 | 00000000000 |
| Mixe | 1.23 | 0 | 0111 | 00111100000011001010 | 0.00 | 0 | 0111 | 01010111100110001110 | 1.234567 | 0 | 0111 | 10101000001100011011 |
| d | 456 | | 1111 | 01000010100000111101 | 000 | | 1100 | 11100010001100001000 | 8899999 | | 1100 | 11010111001001100011 |
| Preci | 789 | | 111 | 111000011011 | 001 | | 100 | 110000111010 | 999E-8 | | 100 | 111101111110 |
| sion | | | | | | | | | | | | |
| Test | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| Large | 1.0e | 0 | 1101 | 01001110011100011000 | 1.0e | 0 | 1101 | 01001110011100011000 | Infinity | 0 | 1111 | 000000000000000000000000000000000000000 |
|--------|-------|---|------|---|------|---|------|---|----------|---|------|---|
| Mag | 200 | | 0010 | 11010111110101110110 | 200 | | 0010 | 110101111110101110110 | • | | 1111 | 000000000000000000000000000000000000000 |
| nitud | | | 111 | 001001011010 | | | 111 | 001001011010 | | | 111 | 00000000000 |
| е | | | | | | | | | | | | |
| Multi | | | | | | | | | | | | |
| plicat | | | | | | | | | | | | |
| ion | | | | | | | | | | | | |
| Deno | 1.0e | 0 | 0000 | 000000000000000000000000000000000000000 | 2.0e | 0 | 0000 | 00000000000000000000 | 0.0 | 0 | 0000 | 000000000000000000000000000000000000000 |
| rmali | -323 | | 0000 | 000000000000000000000000000000000000000 | -323 | | 0000 | 000000000000000000000000000000000000000 | | | 0000 | 000000000000000000000000000000000000000 |
| zed | | | 000 | 000000000010 | | | 000 | 00000000100 | | | 000 | 00000000000 |
| Num | | | | | | | | | | | | |
| bers: | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| (smal | | | | | | | | | | | | |
| lest | | | | | | | | | | | | |
| repre | | | | | | | | | | | | |
| senta | | | | | | | | | | | | |
| ble | | | | | | | | | | | | |
| positi | | | | | | | | | | | | |
| ve | | | | | | | | | | | | |
| num | | | | | | | | | | | | |
| bers) | | | | | | | | | | | | |
| NaN | NaN | 0 | 1111 | 111111111111111111111 | 3.14 | 0 | 1000 | 10010001111010111000 | NaN | 1 | 1111 | 11111111111111111111 |
| Hand | | | 1111 | 111111111111111111111 | | | 0000 | 01010001111010111000 | | | 1111 | 11111111111111111111 |
| ling: | | | 111 | 11111111111 | | | 000 | 010100011111 | | | 111 | 11111111111 |
| | 3.14 | 0 | 1000 | 10010001111010111000 | NaN | 0 | 1111 | 11111111111111111111 | NaN | 1 | 1111 | 11111111111111111111 |
| | | | 0000 | 01010001111010111000 | | | 1111 | 11111111111111111111 | | | 1111 | 11111111111111111111 |
| | | | 000 | 010100011111 | | | 111 | 11111111111 | | | 111 | 11111111111 |
| Infini | Infin | 0 | 1111 | 000000000000000000000000000000000000000 | 5.0 | 0 | 1000 | 01000000000000000000 | Infinity | 0 | 1111 | 000000000000000000000000000000000000000 |
| ty | ity | | 1111 | 000000000000000000000000000000000000000 | | | 0000 | 000000000000000000000000000000000000000 | | | 1111 | 000000000000000000000000000000000000000 |
| | | | 111 | 00000000000 | | | 001 | 00000000000 | | | 111 | 00000000000 |

| Hand | 5.0 | 0 | 1000 | 010000000000000000000 | - | 1 | 1111 | 000000000000000000000000000000000000000 | - Infinity | 1 | 1111 | 000000000000000000000000000000000000000 |
|-------|-----|---|------|---|-------|---|------|---|------------|---|------|---|
| ling | | | 0000 | 000000000000000000000000000000000000000 | Infin | | 1111 | 000000000000000000000000000000000000000 | | | 1111 | 000000000000000000000000000000000000000 |
| | | | 001 | 00000000000 | ity | | 111 | 00000000000 | | | 111 | 00000000000 |
| Roun | 0.1 | 0 | 0111 | 10011001100110011001 | 0.2 | 0 | 0111 | 10011001100110011001 | 2.000000 | 0 | 0111 | 01000111101011100001 |
| ding | | | 1111 | 10011001100110011001 | | | 1111 | 10011001100110011001 | 0000000 | | 1111 | 01000111101011100001 |
| and | | | 011 | 100110011010 | | | 100 | 100110011010 | 004E-2 | | 001 | 010001111100 |
| Preci | | | | | | | | | | | | |
| sion | | | | | | | | | | | | |