The following table is a list of selected binary floating point values and the corresponding decimal value.
All binary numbers are 64 bits - one bit to the left of the radix point and 63 to the right.
The notation "2^59" means 2 raised to the 59th power where "59" is a decimal value.

These values were computed using the IEEE-754 Analysis calculator available at
http://babbage.cs.qc.cuny.edu/IEEE-754/ using

the Binary128 calculator but truncating the rightmost 48 bits after ensuring that they are all zero.

```
1.0000000000000000000000000000000000000000000000000000000000000000 x2^00 =                            1
...
1.1011110000101101101011001110100111011001000000000000000000000000 x2^59 =   1,000,000,000,000,000,000
1.1011110000101101101011001110100111011001000000000000000000000001 x2^59 =   1,000,000,000,000,000,000.0625
1.1011110000101101101011001110100111011001000000000000000000000010 x2^59 =   1,000,000,000,000,000,000.125
1.1011110000101101101011001110100111011001000000000000000000000011 x2^59 =   1,000,000,000,000,000,000.1875
1.1011110000101101101011001110100111011001000000000000000000000100 x2^59 =   1,000,000,000,000,000,000.25
...
1.1111111111111111111111111111111111111111111111111111111111111101 x2^59 =   1,152,921,504,606,846,975.8125
1.1111111111111111111111111111111111111111111111111111111111111110 x2^59 =   1,152,921,504,606,846,975.875
1.1111111111111111111111111111111111111111111111111111111111111111 x2^59 =   1,152,921,504,606,846,975.9375
1.0000000000000000000000000000000000000000000000000000000000000000 x2^60 =   1,152,921,504,606,846,976
1.0000000000000000000000000000000000000000000000000000000000000001 x2^60 =   1,152,921,504,606,846,976.125
1.0000000000000000000000000000000000000000000000000000000000000010 x2^60 =   1,152,921,504,606,846,976.25
...
1.1111111111111111111111111111111111111111111111111111111111111111 x2^60 =   2,305,843,009,213,693,951.875
1.0000000000000000000000000000000000000000000000000000000000000000 x2^61 =   2,305,843,009,213,693,952
1.0000000000000000000000000000000000000000000000000000000000000001 x2^61 =   2,305,843,009,213,693,952.25
...
1.1111111111111111111111111111111111111111111111111111111111111111 x2^62 =   4,611,686,018,427,387,903.75
1.0000000000000000000000000000000000000000000000000000000000000000 x2^62 =   4,611,686,018,427,387,904
1.0000000000000000000000000000000000000000000000000000000000000001 x2^62 =   4,611,686,018,427,387,904.5
...
1.1111111111111111111111111111111111111111111111111111111111111110 x2^62 =   9,223,372,036,854,775,807
1.1111111111111111111111111111111111111111111111111111111111111111 x2^62 =   9,223,372,036,854,775,807.5
1.0000000000000000000000000000000000000000000000000000000000000000 x2^63 =   9,223,372,036,854,775,808
1.0000000000000000000000000000000000000000000000000000000000000001 x2^63 =   9,223,372,036,854,775,809
...
1.1111111111111111111111111111111111111111111111111111111111111110 x2^63 =  18,446,744,073,709,551,614
1.1111111111111111111111111111111111111111111111111111111111111111 x2^63 =  18,446,744,073,709,551,615
1.0000000000000000000000000000000000000000000000000000000000000000 x2^64 =  18,446,744,073,709,551,616
1.0000000000000000000000000000000000000000000000000000000000000001 x2^64 =  18,446,744,073,709,551,618
...
1.1111111111111111111111111111111111111111111111111111111111111001 x2^65 =  73,786,976,294,838,206,456
1.1111111111111111111111111111111111111111111111111111111111111111 x2^65 =  73,786,976,294,838,206,460
1.0000000000000000000000000000000000000000000000000000000000000000 x2^66 =  73,786,976,294,838,206,464
1.0000000000000000000000000000000000000000000000000000000000000001 x2^66 =  73,786,976,294,838,206,472
1.0000000000000000000000000000000000000000000000000000000000000010 x2^66 =  73,786,976,294,838,206,480
1.0000000000000000000000000000000000000000000000000000000000000011 x2^66 =  73,786,976,294,838,206,488
1.0000000000000000000000000000000000000000000000000000000000000100 x2^66 =  73,786,976,294,838,206,496
...
1.0101101011110001110101111000101101011000110000111111111111111100 x2^66 =  99,999,999,999,999,999,968
1.0101101011110001110101111000101101011000110000111111111111111101 x2^66 =  99,999,999,999,999,999,976
1.0101101011110001110101111000101101011000110000111111111111111110 x2^66 =  99,999,999,999,999,999,984
1.0101101011110001110101111000101101011000110000111111111111111111 X2^66 =  99,999,999,999,999,999,992
```

1.0101101011110001110101111000101101011000110001000000000000000000 X2^66 = 100,000,000,000,000,000,000