

disc3

November 10, 2022

1.
 - 1.1 False
 - 1.2 ~~False~~(True)
 - 1.3 False
2.
 - 2.1 2
 - 2.2 $2^{127} \times 1.\underbrace{1111 \dots 111}_{23ones}$
 - 2.3 $2^{-127-23+1} = 2^{-149}$
 - 2.4 2^{-126}
 - 2.5
- 0
- 0x40500000(0x41040000)
- 15 $\times 2^{-141}$
- 0x421E4000
- 297.491668701(NaN)
- 0xFF800000
3.
 - 3.1 $2 + 2^{-22}$
 - 3.2 $4 + 4^{-22}$
 - 3.3 $2^{-22}, 4^{-22}$
 - 3.4 2^{x-150}
 - 3.5 $2^{24} - 1$