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"Quantum-Computing"(Q-C) = Simple-Arithmetic Since Digits = Quanta/Bosons Via Algebraic-INVERSION 1881(<1901-05-25) of Digits On-Average Logarithmic-Law = ONLY BEQS!!! E. I. PI, EDWARD CARL-LUDWIG SIEGEL, FUZZYICS=CATEGORYICS(SON OF TRIZ) — Digits'(On Average) Newcomb(1881)-Weyl(1914)-Benford(1938) "NeWBe" Logarithmic-Law <P> = log{base=10}(1 + 1/d) = log{base=10}([d + 1]/d) Siegel [Abs.973-60-124, AMS Nat.Mtg.(2002)] INVERSION to ONLY Bose-Einstein quantum-statistics(BEQS) d = 1/[10^(<P>)-1] ~ 1/[exp(<P>)-1]~ 1/[exp(<w>)-1] ~ {1/[1+(<w>)+...]-1] ~ "1"/<w>^1.000...Archimedes' Zipf-law HYPERBOLICITY ("noise" ~ "generalized-susceptibility") power-spectrum INEVITABILITY with gapFUL BEC to digit d = 0, <P(0)> = oo, GAP = [<P(0)>=oo]-[<P(1)>=0.32]=oo has deep meaning for (so called) Q-C. Identification of digits(BCE) as quanta(1901-05 ACE) because quanta are/always were digits: energy-levels: ground-state d=0, first excited-state d=1,..., with no intermediate/fractional-levels, separated by quantum: Q = (d=1)-(d=0) = 1 means (on average any/all simple arithmetic computations with digits are ab initio by definition Q-C. Example: a blank-check is a BEC of digits d=0; writing some non-zero digits d>0, then signing check, is quantum-excitation from d=0 to d>0. Thus (so called) Q-C has existed since man learned to count/manipulate hand's digits. Simple arithmetic(except for: division; factoring with remainders) is/has been from time immemorial (on average) "Q-C"!!!

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FUZZYICS=CATEGORYICS(SON OF TRIZ)

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