



IF the atom is in S, then the NESCRIVIT can be considered in some every state where that I atom is in 5, and the remaining 1023 atoms are in states giving vise to UR every of referencing Hures (S2(S1) ways the reservoir could Nave Up with our atomin S, I total number of couliguators if in so then SZR(SZ) ways to leave UR. Probability Ratio we can't yet calculate probabilities but we Can form ratios blc they are pop to total ways, P(S2) pubability of other in S2 PR(S2) tor S2 P(S1) pubability of atom in S1 PR(S2) tor S2 P(S1) pubability of atom in S1 PR(S2) tof ways firs1





