representation of the second number. 111...11 (100 1's) = 1099+1098+...+10°) 11...11 (60 1's)=(1059+1058) 2 will use Euclidean and algorithm. . We will use Euclidean god algorithm.

(1094/0984...+109) = subtracted from (1094/0984...+109) Lee will get $10^{32} + 10^{38} + ... + 10^{\circ}$. $10^{59} + 10^{58} + ... + 10^{\circ}$) $-10^{20} (10^{92} + 10^{38} + ... + 10^{\circ}) = (10^{12} + 10^{18} + ... + 10^{\circ})$ $(10^{39} + 10^{38} + ... + 10^{\circ}) - 10^{20} (10^{12} + 10^{18} + ... + 10^{\circ}) = (10^{12} + 10^{18} + ... + 10^{\circ})$: 111.... 111 (201's) of the god Prob 51: Prove that if (n-1)[+1 is to divisible by n, then n is a prime number. · IKEN s.t. [nK=[n-1]!+1] 0-1: gcd(nK, [n-1)!)=1 · If n would had been composite, its prime factorization would be, 2n, gnezho fupto primes loss than n, where otherst one of the common factor than O · But then, Pi would had been the good of nk, h-1)!, which is a contradiction. $[n_1=n_2=n_3=\dots=n_i'=\dots=0]$ So, n must be prime