

elif n:2==2: return expen(a, n-1) e(se: return pow(a*a, n/12) O(log, n) l'erepayur eautimosopower oster 708. x 0 x = 1 x = 1 x gen_Bin det gen_Bin (n, pretix) if n == 0: print (pre fix) gen_Bin(n-1, prefix + '0') gen_bin (n-1, prefix+'1') gen_Bin (3, "rucuo") det gen num (n, base, pretix) if n==0: print (prefix)

e/se: for digit in range (base) gen_num (n-l, prefix + Stridigit)) permutations det per (prefix, original): it lensprefix == lensoriginal); print (prefix) else: for letter in original: per (prefix + letter, original) if letter not in prefix Penypertitive conjupable 2 7 12 6481 1 5 9 10 40 R merge n ... j = 0 A [11517]9 110 112 40 64 65 81 91

while i < len(L) and j < len(R): if LCIJ <= PCiJ: ACK3=L[i] i+=1else: ALKJ = REj] j+=1K-1-1 While i < len(L): ACU]=L[i] i + = 1; u + = 1while $u \in len(R)$: