beint officers of a number 01 11 = 36 [1,2,3,4,6,9,12,18,36] 80 = 0 (N). 40 = 0 (80 st (V)) GX6 = 86 Both all distres. check It a number to forme ur not 02 no is divisible by their and by I and no or divisors \$2 out =0 for (1=1-TW) (45 (N2-1==0) (out = enf +1 12 (0 /1 / =1) on = cut +1 1 4c = 0 (sqot (n)) 20 = 1(1). perme factors of given N. Eq. N= 60 1/2/3, 4, 10, 6, 10 12,15,00,30,60 J. N = 30 5,7

GN = 780

2,8

Brute Posce OU Power exponentiation ron loop and multiply your J = 5 V = C and again. how, pow (21 H) Punc (xin) { ~ 82. any = 1 Now 2 = 8 4 and n = 20 10 6 hue (n > 0) ($2^{2} \rightarrow (2^{0}) (2) \rightarrow (2^{0})^{20}/2$ 17 (n y. l = =1) < any = anx n; = (4) 10 ond = 1 x2 > n = n-13 reduction possible. elle (,
n = n/2; NOW, 4 10 - (42) 10/2 > 3 2= ana; = (11) E return one; Now 16 6 - (18) x 18 4 5-2 = 1/pl an = (x2 x)6 $164 = ((16)^2)^{4/2}$ $= (286)^2$ and return (1/02). (216)2 = ((216) °) 72 · 12 we have to handle double mala ease. z (1886) + then put doesless. 80, an = 1×2×11×60086. 70 = 0 (10g 2) · when power is odd, remove and add 4 to simily in ans.

