Sum of all terms in while loop of after running x times is-This is x(x+1) <= n. 1 X=+X C=n O (Jn) #. 2). i rum for n+1 - n + times. A 1= 2n+2-10 = 11+2 j rum for n - n +1 1 2n-n +2-2 =)

ond King K, κ^2 , κ^3 , κ^3 , κ^3 , κ^3 , κ^2 , $\kappa^$ Of nalogn O (log(nm)

3 O(g(n)) = J(n) ranger from According to Sig-Oh Notation f(m) - 5 1 + 2 n + 7 n + 60(m), B(n 2 15 and for every increase messe: we can me that for 7 n + 7 be them Soor las (4) (-) 7 (-) (m) 17 COURT 1 5 1+ u It side value will always 7356 Y ON E M.W.

According to Big state notation B(3), (C2 -S(n) & f(n) & (+-g(n)) サカンかのヨ(いつの、しょういのかろ to no +7 n +1 is who's bounded Jon 10210 C215 have already proved the So, the equation on left side 2 O(n3). (m) 5 (n) 2 (m)

RES 2 For Lary n 2 50 3 20 + 7 n + 1 LASI wasabu values of 1 the カースの will be Constant 2

10 80 1-8-ROM 7 (m) 6. 25 E (W) 2000 -<u>.</u> (m2) 1this term to be should be 3 (4) b. Can 2) on 氏でのく)子 like C, = 4 + 20++n+1 < 4 (a) + for this f(n) is true このつか ten positive カナン a or equal to 15. m.

of mos of (n>no) be achieved Con cold about humbers than the 3 c= (u) gen | (u) f { our or 2417 4 14 1 600 - 645 100 is no and any value of bor in 3. & The C. n 2 5 n + 2 n + 3 n + 1 3. 1+4+42 type 8cm SN+2+7 +-3 (is some food 13 Eynel his

THE PEREFEE { O C C 9(m) & f(m), t/n > no to sof sunt or (m) Is "" Cn 5 5 n 3 + 2 n 2 + 7 n + 1 For 100 orample, when ho=3 (n2 < 5 n3 + 2 n2 + 7 n +) values of C where has O and Similar to areview w/n2) & Or OU E CORDE S (DC

Vumber of 8tels

smetry (4) g there dominant 10tal