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counce the following tempores topogod
0' (UX MICO 107 00 (0-1)x - (101x 60)
I write foun the first two terms to identify the rattern
        0: UK
        1(3) = 1(1)+5=5
        1(3) = x(2)+8=10
        2/4) = 2/3/+5-15
 of egentify the wathern for the sound follow
       The first term xVIIO
          who common gifference 9:0
 the general formula for the the term of an AP is
            Xn12 X11+62-114
  substituting the given voils
          72)=0(0-1) 0=1(0-1)
       we contion is x(v) = of v-1)
b) 200= 30(m) for 2 with 20124
Durite door we first two terms to identify the pottern.
        711/2 Y
       2(2) = 3×41) = 3·42/2
       2731-3255)=36
       7 A) = 3 x (3) = (08
Differently the section form.
       I we trust town x11:10
       The common ratio 23
we devery termore for the un felm of o'll is
              Kn1 = 2(11 pm)
    superfitations are sinen noticed
             NU1= 16-30=1
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The Solution is

×21 : 16-30-1

201 = x(2) for for up! on the x(1) (coinc for 150) for unit we can write termedure in terms of & graphyperior us of in the Gentlance 7 8x1 = x (5k-1)-15x sports gon the trial for terms to yought to batter. x(5) = x(1) 15; 1+5;3 2/41= x (32) = x(5) +10= 3441-1 x/8/2 x(3) = 2(4) +8 = 15 3) identify the general term by finding the pattern. we observe that; -2(2) = x (2/-1)+2/ we som the series! x (56)= 56(5K-1 + 5K-3 the geometric scrip with the term of s and the last t of exist for the additions to term the som of a spometric society of with ratio in given by = 2 1-1 Here ossi essi and usk 8=5 58-1 =5 (58-1) = 5 KH1 Adding the total x (5/1) = 5/4 - 5+1 = 5/41 -1 splution is x (5/2) = 5/41 = 1

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Example we topoing recovered or west.
    1) IN see use for all KS) I more hor as KS 1
          The retinence relation can be called singlified out
     woppog.
    i) substitute n=2 in the recomme
   a) iterate the recomment.
         for 100: 1(50) = 1111741
             W=1.7(2)=2(0+1=2(2)
             K/5) : 1(5) = 5(8) = 5(11) + 17 (11) + 17 (11) + 15
             843: 1(3) >1(8) =1 (1)+1 = (11)+1 +1 =11)+3
   3) generalize toe Pattern.
              1501 -2014K
             Since 1 = 24 . K = 109 2
             4(4) = 16g > 1(1) + poden
  A) resource the is a constant (
            z(n) = c+1092
             The gowton is the 120 logal
is unt water as somether and is inlet
Size.
     The recomence can be solved using the matter's
theorem to I divide - and conquer recommence of the top
             rul = ar [w] + (n)
       where a=2,6=3, and f(n) = ch
    lest deservine are voice of say of
           708 Pg = 808 5
using the properties of log withing
           109 32 = 109 x
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Now we worked few our wife works AND Olas 11 STV souls intoly me are in me min cots of me water theorem 1415 0 lue) with 62010 " The solution is

Mos = 0 (for) = d(n) = ans)

white submost primary sa phones WIN (VIO - W) if her conver viel) 100 1000 - untulon-ung) if tener = A(O-0) reson tome 8150

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apply no malforto oint lace tente (o

det retroup. [1-10-0) et minitable uses soit sont tob wreyned ropos in we arread it from ingles or power if some moninum of lumping transcriped to by the for the and the eviscoluna and pro him to me de and the post element u[u-1] to tetermine the over an maining value.

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on determine the remotence repairon to the ordanspare by Horran God and Dispose of march in market in the opposition the paper operation are the contrastions

Recomence relation serve

sale case when not , one algorithm Respons a single operation

> becording cost: open us! The opportuni

opposeru bertorme for an area or esisen per poser oberation per maked a reconcine can to win (-u [o--u-s]];

) Base cate;

s) becomes core

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too the composition by tent and along

Experson nemot.

= 1 + (u-1) = (-1) + (1-1)

> W.

the aboution is

for an input away of Gizen.

i) tols suges and d(U); to use the v(d)) whatep

LEGA to combose the order of down and are the Is worth

quan friday f(n) = 2225 241:74

agel of doop result or (d(2)) notation.

The notation of (siny degicions a lower bound on the sale of a fontion. I recifically that or (sin) onears the formally that where exist positive onstead that or subjective on the content that or subjective on the content that or subjective on the content to and no subjective for all new for all new formal (subjective)

e) establish toe me quality

-) we want to first constant c and no such that

75

showing hat the common of look or last of

is also lossed

goes fater han to tente found tox the especific remodision and then > 2(10) 1(D)= 2(2)

instruction, see forminant term on introffically Thus, we can concert that (1) = 20243 > 2(14)

we have shown must been exist constant (>) and no >n with the at fox all n2 10 रमेरड रम्त रिंग भ तरम

w) choose without. Acome for u for now, the inequality holds US 3.5 -3.5

3) smolify the inapolity THEY THE LOWER OXYEN TOWN OF FOUR BUTTEN yourse not one of the いろととうい