Det: Pengrenen grucheme (PS) (who a no-cropo obyo om aine, orner-Spalmence, non were too popular jet.).

za nomendene na crosinocaree na grachemeno no jegono ne IR, gacelar croinocaree na grachemeno za egno un no cere x1, x2...
V: 4h.

na genero lo vi. Toca ce napera manarno genore/genoles.

С примери по-место се розбири:

пр: Стентиста от ролите правиме РУ:

$$L(m) = \begin{cases} L(m-1) + n, & n \in \mathbb{N}^* \\ 1, & n = 0 \end{cases}$$

30 Tope nue, re note, no me me me ce sammalure c nell.

Заб. Очесто всто ремучентно У-те дефитра тенова редиза.

Bestromme de by To or onesarmen buturem' no To 30to gue

$$\overline{D}_{1} = \sum_{i} \sum_{j} \sum_{j} \sum_{i} \sum_{j} \sum_{j}$$

$$M(n) = \int M(n-2) + 2n-1$$
,  $n \in \mathbb{N}$ ,  $n \neq 2$ 

M(m) ~ L(m) getrimpor: 1,2,4,7, M, 16 ...

Penenne un PJ: TOBA e popular za granara corpana (C mosto ne zacobar perpalum Gunnero? za no-manu crosmocar), nora zagula cregura
zuenola peguga varo j-mero.

SUP

2. Unglicy : toza newy poson, poraro anane vongejar za peneme (namelo gralmeneza gocuma cipam) a apocro ro apobepelane gain c lapono.

3. C reroga na suparreprienzationo gralmente: an uname PJ or ourgenen lug, a toza arropation gypertho nograline peri. 670.4

1. Macrop Teoperara (30). caro ro cnovenalan, no nana ja 3 ymr 6 2037 xxpc): ornolo, ono PI e or onjegeren big, orroparanzano mana.

1. Mp C porguerane pouvere: L(m) = 5 L(m-1) + 4 , n & N+

L(m) = L(m-1) + m

L(u) = L(u-2) + (u-1) + 4

L(n) = L(n-2) + (n-2) + (n-1) + n

L(m) = L(0) + 1+2 + -- + m // L(0) = 1

L(47 = 1 + 1 + 2 ... + h = 1 + n (4+1)

J. Ub. Who colour un edounes a milliating on w:

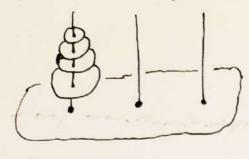
1. Fogu: N=0, L(0) = 1+0 V

2. Crunua: L(4+6):= L(4) + (4+6)

L(4+6):= 1+ (4+6) + (4+6) = 1+ (4+1)(4+2) / B>pm.

DUTP

Yanoricane you (upercorbane no grande)!



Lewlow:

- tomen ga recent growlere who egin no egin no

- nomen ya manuz Care priocere who no nono or pure upter.

- He HOME NO-TOLAN JUL IN HAMIZEARE CEPTS

Vortel e messagement à jocurreren spot xopole H(4) zu meneulane ha n gram or hari-relies go mi-geanns npar?

Peni Oreligno za n=1, H(m)=1.

30 n=12 mare h(n) = H(n-1)+1+ H(n-1), sayou naple recent copulte n-1 grow no openio upat; upercar Cure noi-rozema yer no general upor; upercorlare occamente v-1 gione or spegnes un gecme.

how uporos:  $H(m) = \begin{cases} 2H(m-1) + 1, & m = 2\\ 1, & m = 1 \end{cases}$ 

Perennero na PS-20 e 11(47 = 2 - 1 (na op 6 e gorazano).

Munimo wonorenno Py a wonownom webyensi

Dageme PS: an= C, anit... Cran-i 3, règers

- CA-CLEIR, CL +0 au voncraha u « vryo e uncommen. Tola e Amerino

P3 or 18- en pez c voncountin médigiens à c kpains réropisi.

haranmer geoles en a,=q, ... a v=qv ( un ao=qo - au-1=qv.).

Bumm e, re a k m Spi.

Merry has supercepromenous frame has governouse and CX, and and CX, and a true of the has a source on cx, and cx, and

(9) x"-C1 x + ... - Cu = 0 - tolor e suprere persono 3- une.

Correction ocho Comina T. na arredynata & was tosho k no Sp.

vopenia spoetia apartinocure. Nipalania an hymnin-las or sopenize C

apartinocure: A= [ 21 ... 2 u]

hem posurme vopem a or A a B1-- Bt, t = V.

Hem Si e a rportnocr Vi (205. oreligno Vit -- + Vt = V).

Torala obygos peneme e:

5 an= A1,1 Bi + A1,2 m Bi + ... + A1, x, Mi Bi+

+ Az, 1 32 + Az, 2 n. 32 + -- + Az, x, 6 x = 1 52

Bu oue new lacture vonctation Ain in to the V na Sp. 4 known gu organ naregem ou acrem C hammure you his at 9, ... at 9 gr 30s. In ne we gigen namem genolar, occuber pen. C naparerpar-

Muneino nemoranto PS:

Dageno a PS: an= Ciani+ ... + Craniz + Pianis, t... + peasis beconsterne mot

romorenen mot heronoterne mot

vegero: Lil-voncentari; ci...Cr, cr. +0 - voncentiari; bi...be-gee

no de bornsm noncrana; bi(n)... be(n) - nomnom un n.

JXCIP

Herez me nonorennozo y me sa pemaline na PI or liga . 1

Парво итпориране нежомогенники пост и напирале корените на raparreprenensaro y-ne na xonorennow PS. Noywene n-Con or experie A.

here B e Myrant-low or victoria br... be, voro bi una marmon despilas + 1. Obeginalare A + B 4 occio Cane общого решение спряно това обединение, мино преди в В. Equacileman ocosenoci a, re voncianare Ai, i au volere or v me Sp. a spasen ja speckernen ogefranson common an or 6, zu ga merepun banza di,i.

Пр. Решеге следного РУ: (пенати на фибонат)  $F_{n} = \begin{cases} F_{n-1} + F_{n-2}, & n = 2 \\ 1, & n = 4 \end{cases}$  0, & n = 0

Pen: Yaparrepuenzhoro j-me! x = x + x -2 /: x -2 x2-x-1 =0

Mystum-los or upennie: A= { 1+55 , 1-55 } H

OSogo pen: F==VA. (1+55)" + A2 (1-55)"

Fr = 1 = Ar. (1-15)2 + Az (1-15)

Fremone

An= 1/5, A2 = -1/5 => Fn= 1/5 (1.55) - 1/5 (1.55)

Mp. Penere cheznoro PI: (PI ma Xaroricarse ym).  $h(n) = \begin{cases} 2h(n-3)+1, & n \ge 2 \\ 1, & n = 3 \end{cases}$ Pen: Xupurepicario 5-me: x"= 2 x"-1 |: x"-1 x-2=0 == wpenc: A= {2}m 1= 1 m°. 1" == B= 513m AUB= {1, 22m OSys pen: h(m) = A1. 1" + A22" estage - the man h(2)= 2h(1)+1= 2.1+1=3 L(L)= 1 = A. 1 + A2 2 = Ax+ 2 A2 L(2) = 3 = A.12 + A222 = A1 + 41 A2  $A_{\lambda} = 1-2A_{\lambda}$   $3 = 1-2A_{\lambda} + 4A_{\lambda}$   $= > \left(A_{\lambda} = 1, A_{\lambda} = 1\right)$ => h(m)=-11"+1.2" = 2"-1 V Ap: Penere cuegnoso PS: an= 10an-1-24an-2+17-13a-47+16-6"+13n+8"n2+n4"+8"-3 + 13 681 m2. 4" Tropos no non l'emgane la liga (): an= NOan-2 - 24an-2 + (13n+17) 1 + (15681 n2 + n-132). 4" + M.C. + (m2 + B. ) B. xapar. 1-me: x"= 10x"-1-24x"-2 1:x"-2 x2-10x+24=0 x=4, x== == 54,63m DOVO

herororenmon wer: {1,1,4,4,6,8,8,8}m

Xororenna u nexomorenno: {1.1, 4, 4, 4, 4, 6, 6, 8, 8, 8} m

Osygno per. e:

a= A1. 1" + A2n. 1" + A34" + A4n4" + A5n24" + A6 n34" + A16" +
A8n6" + A28" + Anon8" + A11 n28"