-.031. -13125

. a, b, c = IR A = {a, b, c}

8.95

7.39)

B=A+ 1000 1

Nolan

3.4. LEN : 34. DEN 5.10 -11.09

.0≤r<3 ->1, N=3g+r e2

NZCVV: ((.u 0=1

. 9 + 0 Pol N>8 . N=39 SIC

1=5 V.N : 3 21N

. & N

A*CA+ .> 1100 €

. N∈A*

. K + 0 1k M + 0 613'

: 3"-'4",0 > 7">)

PINSI 0 PRIJULS 3M-1.4K, 0 EN. N = 3 (3M-1.4K) + 4.0 EA+

2.5 = 3 - 22k NUNGES UIGIE: A* \$ A* 1251

'. له نکم.

8.817 $A = \{15,33\}$. N ∈ A* 56 .> 110-7 9/n SIC 55/n =10 VOICE NEA* 'n' N=55k ex KEN p"> SIC K = 1 Plu N = 5.11.K 128

U=2.11. (51,50) SIC 8-19-18 U E SILISIA 80.8.91N 2 JU BSILA. = 10 lc > PE NEA" oponilore X'XEN° ein,5 n= 15x 338 N= 3x . 2x . 3g - 11g N= 3x+y. 5 x 118

N (1) IN. V. ET LUERY CHEGY MAIL.» (RX 1 < B'X)

X, y, X+y-2 = N. 1~ N. X+y>2 128 3x+y-2. 5x. 113 EN : 15 N) N= 9 (3x+y-2,5x,110) 19c/ N P. . SUN

23/15/1c 1 Dola gnoe == Jag == M. John C. U. 330 CNAI) T(NAI) T(NA) T(NAI) T(NAI) T(NAI) T(NAI) T(NAI) 3800 CNAVE

1 (N+1) Lc/6.

ANSIE SO 10) I (cil. 32 M3 N.

7)86

. ひ>-1 , , , , ,

(1+a)">/+na 100 NEW 200 1100

(10.4 EN EN -135 EN EN LOS)

(10.4 (c) (1=1).

3 cl 2) ela relle sale 1=1.

: 915, 23513 L/N - U) Jy N $(1+\alpha)^n \ge 1+n\alpha$ 1- < D 30/ 0 (0 (0)) ((0)) ((0)) ((0)) ((0)) $(1+\alpha)^{n+1} \ge (1+n\alpha)(1+\alpha)$ (1+a) 1+ na+a+na2 ,52 " (1+a)" > 1+(n+1)a+na2 > 1+ (n+1)a

36. 22 J/ WISZE, Cili 496 Des 180. Des 180.

$$\frac{1}{\sqrt{2}} \int_{-\infty}^{\infty} \int_{-\infty}^{$$

8.490 M =, M120 M2 23/19 &

1201c 20.1c 3 1201c 20.1c 3

1+2+3+...+3n = N=1 -01-2 2000 210 210 1+2+3 -6

$$\int_{1}^{2} \frac{1}{2^{2}} \frac{1}{2$$

$$= \frac{n+1}{6} \left[n(2n+1) + 6(n+1) \right]$$

$$= \frac{n+1}{6} \left[2n^2 + n + 6n + 6 \right]$$

$$= \frac{n+1}{6} \left[2n^2 + 7n + 6 \right]$$

$$= \frac{n+1}{6} \left[2n^2 + 4n + 3n + 6 \right]$$

=
$$\frac{n+1}{6} \left[2n(n+2) + 3(n+2) \right]$$

$$= \frac{n+1}{6} \left(n+2 \right) \left(2n+3 \right)$$

$$\frac{n+1}{6}(n+2)(2n+3) = \frac{n^3+3n^2+1}{6}(n+1)(2n+1)+(n+1)^2 = \frac{n^3+3n^2+1}{6}(n+2)(2n+3) = \frac{2n^3+3n^2+1}{6} + \frac{n^3+3n^2+1}{6}$$

$$\frac{2n^3+3n^2+6n+2n^2+3n+6}{6} = \frac{2n^3+3n^2+1}{6} + \frac{n^3+3n^2+1}{6}$$

30, 22-1/ 27.12 8.2 relle walle 37 vyl.
130, 22-1/ 27.10 (20) 20.2 relle walle 37 vyl.

: UEN 222 "> 11/2)

$$1 + X + X^2 + ... + X^n = \frac{X^{n+1} - 1}{X - 1}$$

Valar

(1 c. v 2) Ale en[ElZsie Ag (W)

(1 cm (all) > 12 () = 1):

: girno 23

$$\frac{X^{2}-1}{X^{2}-1} = X+1 : 1.N' = 3$$

$$/ + X + ... + X^{N} + X^{N+1} = \frac{X^{N+2} - 1}{X - 1}$$

$$= \frac{X^{h+1}}{X^{-1}} + X^{n+1} = \frac{X^{h+1}}{X^{-1} + X^{h+2}} \times \frac{X^{h+1}}{X^{-1}}$$

 $\int_{X} \int_{X} \int_{X$

DE. 22-1/21/21- 100/2019 1050 1050 1050

$$\int = \int (+ X + X^{2} + ... + X^{n}) / X$$

$$\int = \frac{X^{n+1} - 1}{X - 1} : \Omega$$

$$X = X + X^{2} + ... + X^{n} + X^{n+1}$$

 $(x-1)S = -1+x^{N+1} - 3 = \frac{x^{N+1}-1}{x-1}$

(16-11) 4211. (16/2 Aer. 10/2) 12 X 210 (16) 10/2 (16) 1

6.92

1.2-3.....

3, < UI 1-122 NEM 1K3 N 1

VOICE

ge (2) 1/2 rale t=1. , e. (+ 34 Jeg. M. v roll yelv per U. 3 = N1 (10.0 Reli 1+11: 3, ≥ Ui \.3 1,3 \\ \.2.2.1 3"+1 < 3 · n1 (U+1). Vi 53. Ni: 825 Ni 2 [127] LIC 128 N+1 58 >3

: 128

$$3^{n+1} \leq (n+1) n! = (n+1)!$$

9 c (2) x (2) x (1+4)

150 Jec. 25/11 WAS EN (COTT - 49/2 Jest 2012)

4 5 JU - 23 SIS LINE ROJU COSSIL CON, PRINCE C,

: NY 913

7+1 - Lesser Meine Meine Menser Meine Menser Menser

2 160h (CIC 32 U 2002) 2 EE.

8.82 16 | 13°-3° 1.815 N∈N [58.5 11~3 VAIRE TIC. U EN BY -3 SISTICO JACU U. 2) : N=2 1/2/ -1/12) ,01) (rall a OV: 13-3 = 16.10 . 16 13-32 105

301 235/c (cella ARIC Z=N.

$$13^{n+2} - 3^{n+2} = 13^{2} \cdot 13^{n} - 3^{2} \cdot 3^{n}$$

$$= 169 \cdot 13^{n} - 9 \cdot 3^{n}$$

$$= 160 \cdot 13^{n} + 9 \cdot 13^{n} - 9 \cdot 3^{n}$$

$$= 160 \cdot 13^{n} + 9 \cdot 13^{n} - 9 \cdot 3^{n}$$

$$= 160 \cdot 10^{n} + 9 \cdot 13^{n} - 9 \cdot 3^{n}$$

13 -3 = 16 (10.13 + 9K) 16 / 13 -3 = 3 = 16 (10.13 + 9K) 9 cl 439/c relle ser 2748 198. All 20/2/20 (c) (c) (c) (d) 28 28:

78/6 . \frac{1}{n+1} + \frac{1}{n+2} + \frac{1}{24} > \frac{1}{2} \quad \quad \frac{1}{2} \quad \quad \frac{1}{2} \quad \quad \frac{1}{2} \quad \quad \frac{1}{2} \quad \quad \quad \frac{1}{2} \quad \quad \quad \quad \quad \quad \quad \quad \quad \qua (10.0 (10.1 M) M) LONE MAN (10.0) (10.0 Call Pell : W = 1 = : SILNE = 3 Z :/N. 33 シーラリント (1.4 (C.4 (C) 2×11- 11.

$$\frac{1}{h+1} + \frac{1}{h+2} + \dots + \frac{1}{2n} \ge \frac{1}{2}$$

$$\frac{1}{n+2} + \frac{1}{n+3} + \frac{1}{2n} + \frac{1}{2n+1} + \frac{1}{2(n+1)} = \frac{1}{2} : \stackrel{(n+1)}{\square}$$

$$\frac{1}{N+1} + \frac{1}{n+2} + \frac{1}{n+2} + \frac{1}{2n} > \frac{1}{2}$$

$$\frac{1}{2n+1} + \frac{1}{2n+2} - \frac{1}{n+1} : = -3 \times 10^{2} \cdot 2^{1} \cdot 2^{1} \cdot 3^{1} \cdot 3^{1}$$

 $\frac{1}{h+2} + \frac{1}{h+3} + \dots + \frac{1}{2n+1} + \frac{1}{2n+2} > \frac{1}{2} + \frac{1}{2n+1} + \frac{1}{2n+2} - \frac{1}{n+1}$

$$\frac{1}{2} + \frac{1}{2n+1} + \frac{1}{2n+2} - \frac{1}{n+1} > 0$$

$$\frac{1}{2(n+1)} + \frac{1}{2(n+1)} = \frac{1}{2(n+1)} > 0$$

$$\frac{1}{2n+1} > \frac{1}{2n+2} > 0$$

$$138$$

(27, 12, 56, 29) U 24). PS. 4. 158. BS. 13 1, rs.

NEW JOIN

$$\frac{1}{N+1} > \frac{1}{2N}$$

$$\frac{1}{N+2} > \frac{1}{2N}$$

$$\vdots$$

$$\frac{1}{2n} > \frac{1}{2n}$$
 $\frac{1}{n+1} + \frac{1}{2n} > \frac{1}{2n} = \frac{1}{2}$

8.5.7

. A=4a,5>

J) 211.210 A+

(2) · (1) - 1 - 1 - 2 N B - 1 - 1 - 1 - 5 8 (3)

. ATEB SK

(2) 1 (1) _1 ~ ~ ~ ~ ~ B . > n.))1 B

1. (E & U'W∈M° [2] "Na+MP ∈ B" -1,7m o 2, 3] . (5) .

(m+0 1 N+0) ok . MEND ST. NEND SIE . na+mb eB Sk

> (1: " (c.17 per 0 = N); (1: " (c.17 per 0 = N); (1: " () pla per 0 = N); (1: " () pla per 0 = N);

: W & 2.35/5 M -) R(2 2.31) · M=1 -121 (1) 48 A S B e 83' b & B . 0- a+ 1. b ∈ B , L. M > M. ((', COlt sel W. Mb & B : M+1 -122 v. 21) " WP ∈ B =.3 SIS 1, Ky - U) = N 1131 b EB 1/2/ c. & orice ou. ell. pel . b(m+1) = bm+b ∈ B

86, 22, 1/2/21/2 10/2 10/2 98 WEN 0.0+M.bEB.MEN G8 128 ((, v (cilit 1981 v) (10.4 selv 10=1);

14. "M=N

10. "M=N

10. "M(1- relix selv 0=N)

10. "Month of the selv 0=N. MEN. JE na+mb EB ynja med, 65 (n+1) a + mb & B : 53 (na+mb) + a

(20 V.Mo.? 00.