3. Va Reary

11.11.2020

$$1 := 1$$
 $2 := 1+1$
 $3 := 2+1 = 1+1+1$
 $1 := 1$

1 < 2 < 3 < ...

Benjoile:

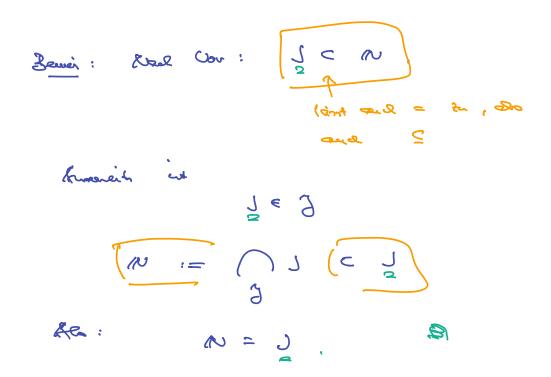
- 1. Cularuses (1, 0)
- 2. E gome Loven
- 3. $\left\{ \frac{\alpha}{s} : \alpha \geq \lambda \right\}$

Ceperbaigie

4. Die Proison Gilen Rome wirk. 14.

J Familie alle viserPlice Tailougen

Jey =: (R) C (R)
visual him Rays.



Bouni: Sei

N:2 { N e N : A(n) 114 cook }

Don 164:

(1) N e N cy (n)

(ii) Cod N e N , Aoun ouch

N+1 e N cy (2).

Afro: N when the Toleren va N.

A880: N=N.

$$\sqrt{1+5+3+...+n} = \frac{5}{n(n+n)}$$

Brown: (A: N=1:

$$\frac{u(u_{+1})}{2} \Big|_{u=x} = \frac{1}{2} = \frac{1}{2}$$

$$A(u) = \frac{(u+1)(u+2)}{(u+1)} + \frac{(u+1)}{(u+1)}$$

$$= \frac{(u+1)(u+2)}{2} + \frac{(u+1)}{2}$$

$$= \frac{(u+1)(u+2)}{2}$$

$$= \frac{2}{(u+1)(u+2)} + \frac{2}{(u+1)}$$

$$= \frac{2}{(u+1)(u+2)} + \frac{2}{(u+1)}$$

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$$= \frac{2}{(u+1)(u+2)} + \frac{2}{(u+1)(u+2)}$$

Zu zegen: (14×1) ≥ 1,4 mx, ×2-1, m≥1. Band, (A, 421. (14x) = 1+1.x ~ tebrjen: ond vielly fir x <-1, Do see XFR (S: froduce: (14x) = 140x , x2-1. Behvelle : (x+x) = (x+x) (x+x) > (14x1) (12xx) = 1+x + ux + ux = \text{\(1 \text{\}\)}}\\ \ext{\(1 \text{\\xi}\\\ \ext{\\xi}\\ \ext{\\ > 1+ (um) x. ARD j'll and: &(un): (1+x) = 1+ (un1x.)

Berni: (2) 021, 08 dV

Betweete { 06 dV: 0213.

Therefore the wear out betweete Details:

(ii) There were and betweete Details:

(iii) A(u): 04 and 0.

(A: A(u) ist niety, to with another the and out of the and out o

(iii) Betredte

A(n): 021 V 021 EN

(A: ACA) int wood .

(S: Sei A(m) walk. ARD (W)

ne M. Dan also Socsetel:

Alami in ever, som

(um) - 1 = a & R.

Civi Behow te:

A(n): $n-m \in \mathbb{N}$ for one one \mathbb{N} with m < n.

(A: ACa) (A Now , Le N Noise UN (A) (1)

(3, Es belle selle). Sorbe:

A(util: (utal-on & on pai on on onl

(Casultion vibra un:) In unest willing.

(It rebelow I < m < nth ' SUD

un-1 < a serie und, 2000 mg (18)

Rix ACM: N- COMMI & NO

€ (m+n)-w € 12.

Col Sei uzun E arr. (-n

Brown

Ura E 1

Aun (in forge ura E A)

Aco Rel and (il:

Ura = 1

Bright: $2^{n} \geq u^{2}$ for all $u \geq 4$. $u = x : 2^{n} = 2 \geq x^{2} = 4$ $u = 3 : 2^{3} = 4 \leq 2^{3} = 4$ $u = 3 : 2^{3} = 4 \leq 2^{3} = 4$ $u = 3 : 2^{3} = 4 \leq 2^{3} = 4$ $u = 3 : 2^{3} = 4 \leq 2^{3} = 4$

NCR, 15 N MCR pricet son int som ent bookvirt, Sovike 260 ۔ wif & E R Paris 3 : image me ma A E R. ta regen: on F A. Da out Daine sulas Solvane va A, exists up Approximation som REY: mz a < outl Face unce, for a. si confee 654: u ≤ 6 < a < m+1. Down Kalph: N 9 2-6 < m+1-6 < (m+n) - m = 1

Aes: 42 .

Bremi: Sei

U = (aen: n int amaitement?

Regensum: a to p.

Also es. on a vai a e a.

Les information des for

M < 2 < 3 < ... — or ?

Sup N = a ?

Benoi: Angenoem, \mathcal{N} in beodroid:

Sup \mathcal{N} = \mathcal{E} \mathcal{E} \mathcal{E} .

Den in \mathcal{E} $\mathcal{E$

Benni: Sei 200. Dann $\frac{1}{\xi} \in \mathbb{R}.$ $\frac{1}{\xi} \in \mathbb{R}.$ $\frac{1}{\chi} \in \mathbb{R}.$ $\frac{1}{\chi}$

Leven: $A \subset M$ micet Dee, meel obse Gesch.

Es gilt else ein $G \in M$: A < G

Down int $6-A := \{6-0 : 0 \in A \} \subseteq A$ $A \in Cod G-A = ain win was Down$ Con to Town : G-un :

Bipie:

$$\alpha = \frac{\alpha}{3}$$