lie nen an >1 . v.1

· Le linha (NO)

lis ln (1+h)" = ln (e) = 1

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li nlu (ani) = L= lin L lu (1+1) " 'SE

. L>P>1 P" , P" POON P DOON 10 L>1 -1 701CN

1 2010 MECTO 38. HOUT WAY & JOEULY.

 $\lim_{n \to \infty} n \ln \frac{a_n}{a_{n-1}} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty} L \ln \left(\frac{|\alpha|}{|\alpha|}\right)^n \frac{|\alpha|}{|\alpha|} = L = \lim_{n \to \infty$ 131'n a-1,p"enn Andons A 6,934 OCT 6651 b.1.2 2K 11) talises 2000,00 insh dote so y bush 0= nlnam = poln (142) ~ ZE lu ani cplu(1-i) = n/a in c nplu(1+i) ('s'c li au 21 de li antelim (1-1) de ocan 2 (1-1) f d lin (an) >1 # pe, nout uncl. " me Z nacel.

$$A_{n} = \sum_{n=1}^{\infty} \left(\frac{1}{k+1} \frac{2k-1}{2k+2} \right)$$

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$$A_$$

$$Q_{m} : 1 + \frac{1}{4} + \frac{1}{7} \cdot \frac{1}{16} \dots$$

$$b_{n} : \left(\frac{1}{5} - \frac{1}{3}\right) + \left(\frac{1}{5} - \frac{1}{6}\right) + \left(\frac{1}{8} - \frac{1}{9}\right) \dots$$

$$= \frac{1}{6} + \frac{1}{30} + \frac{1}{72} \dots$$

$$\frac{1.8}{3.1.1}$$
 $\frac{1}{3.1.2}$ $\frac{1}{3.1.2}$

NEN 35 *5(N=Q 798), 50 CK7. 16.3 قر من من الالدارات من من المادر من الالدارات من المادر من المادر المادر من المادر من المادر من المادر الم 138-1 (M) (M) (M) = Jag = JM) = 1 (M) W(1) ICIN 1 (M) 101218 2-0. 12 FT ,4 C+2 121827 $\int_{3}^{\infty} \frac{1}{\int_{3}^{\infty} \frac{1}{5} \int_{3}^{\infty} \frac{9'}{9} = \ln(9) \Big|_{1}^{\infty} = \lim_{M \to \infty} \ln(9M) - \ln(1) = \infty$ (prious aux for 2016 (a 25,262) bully green, lusur on 612 TEEL C. GETOL & MECLINE 20 = 01/2 € 10 1 × 10 € 10 € 5 MIGHTER .7322N Earbn 516 7322N J. 9 PK 3 * Label C, ail of NAW Fu cool f MC 2190' 1 LE, ed (301 1,0), edd).

SK nCALICIE NIG de P120 INS. E= (-1,1) $\sum_{n=1}^{\infty} X_n = \frac{1}{1-x}$ Sn= 5 Xh = 0 1-X 4. ع، دعاع مع دادن و تعداد المسلام عادا المرددو. an= 1001 >0 4 an= (-1)" | NOJ : P+p+n p 1016 0 0011000 1002 lu nos = lu nos = li nos = li nos = [1 = 1 WICH MICHOLD/NECELIA NEN 120CD NECELIA - 73 PAN 2 [Q] 7100 175 :1038 DE DED TICO Se +CIT - F 8004 NK DENJ $C_{n} = \sum_{k=1}^{n} \left(\frac{(-1)^{n}}{\sqrt{k+1}}, \frac{(-1)^{n}}{\sqrt{n-k+1}} \right)$

$$C_{n} = \sum_{k=1}^{n} \frac{(-1)^{k} \cdot (-1)^{n-k}}{\sqrt{(k-1)(n-k-1)}} = \sum_{k=1}^{n} \frac{(-1)^{k} \cdot (-1)^{n-k}}{\sqrt{(k-1)(n-k-1)}} = \sum_{k=1}^{n} \frac{(-1)^{k} \cdot (-1)^{n-k}}{\sqrt{(k-1)(n-k-1)}} = \sum_{k=1}^{n} \frac{(-1)^{k}}{\sqrt{(k-1)(n-k-1)}} = \sum_{k=1}^{n} \frac{(-1)^{k}}{\sqrt{n}}$$

$$(-1)^{n-k} \cdot (-1)^{n-k} = \sum_{k=1}^{n} \frac{(-1)^{k}}{\sqrt{n}} = \sum_{k=1}^{n} \frac{(-1)^{k}}{\sqrt{n}}$$

$$(-1)^{n-k} \cdot (-1)^{n-k} = \sum_{k=1}^{n} \frac{(-1)^{k}}{\sqrt{n}} = \sum_{k=1}^{n} \frac{(-1)^{k}}{\sqrt{n}}$$

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$$(-1)^{n-k} \cdot (-1)^{n-k} = \sum_{k=1}^{n} \frac{(-1)^{k}}{\sqrt{n}} = \sum_{k=1}^{n} \frac{(-1)^{k}}{\sqrt{n}}$$

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$$\frac{1}{(1-x)^2} = \frac{1}{1-x} \cdot \frac{1}{1-x} = \left(\sum_{k=0}^{\infty} x^k\right) \cdot \left(\sum_{k=0}^{\infty} x^k\right)$$

$$(1-x)^2 = \frac{1}{1-x} \cdot \frac{1}{1-x} = \left(\sum_{k=0}^{\infty} x^k\right) \cdot \left(\sum_{k=0}^{\infty} x^k\right)$$

$$(1-x)^2 = \frac{1}{1-x} \cdot \frac{1}{1-x} = \left(\sum_{k=0}^{\infty} x^k\right) \cdot \left(\sum_{k=0}^{\infty} x^k\right)$$

$$(1-x)^2 = \frac{1}{1-x} \cdot \frac{1}{1-x} = \left(\sum_{k=0}^{\infty} x^k\right) \cdot \left(\sum_{k=0}^{\infty} x^k\right)$$

: , GIL 2 gasus enver " round encept dia, :

$$\left(\frac{2}{2}X^{*}\right)\cdot\left(\frac{2}{2}X^{*}\right)=\frac{2}{2}\frac{2}{2}\frac{2}{2}X^{*}X^{*}$$

$$\frac{1}{2} \sum_{n=0}^{2} X_{n} \sum_{j=0}^{2} 1 = \sum_{n=0}^{2} X_{n} \cdot (v+1) = \sum_{j=0}^{2} x_{n} \cdot (v+1) = \sum_{j=0}^{2} x_{n} \cdot (v+1) = \sum_{j=0}^{2} x_{n} \cdot (v+1)$$

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