No 41 Cymra emersser nam, rucer, Inanoneperennece

P. 1 mongeemba (r urnyan)

ymbs cn+m= cn+m-1 + cn+m-2 + . . + cn-1

D-60,

Bacarompun un bo, com uj n+1 adreumde. da,..an+i}

Bogaren bee m-cor. c nobrigienua un c m c c m c c m c c m c c m c c m c c m c c m c c m c c m c c m c c m c c m c c m c c m c c m

Rocrumalen no-gpyrany Dus komegoro i 6 do. m? boyanen me m-corem c nobm, l'unnopseu pobno i pay bemperseme a.

 $C_{n+m}^{n} = C_{n+m-1}^{m} + C_{n+m-2}^{m-1} + \cdots + C_{n-1}^{0}$ $m. \kappa. C_{n}^{\kappa} = C_{n}^{n-\kappa}$

 $C_{n+m} = C_{n+m-1} + C_{n+m-2} + \cdots + C_{n-1}$

m- 2;

- 0 n=1 0
- (2) n=2 Cm+2 2Cm+1 + Cm+...+Ci

(m+1)(m+21 = 1+2+ ... + (m+1)

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

每一一十支 127~+(m+12= Lm+1)(m+2)(m+3) (m 411 cm 45) - [m41) cm 21 (5 m 43) 12 + - + m = m (mx1)12m +11 Note, Magamabias n naugraan qp-my que cyrum (n-11 comenau. 9mb, $c_n - c_n' + c_n' - \cdots + (-1)^n c_n' = \{n = 0, 1\}$ 2 - bon=0: (°=1 $n>0: (1-1)^n = (n-(-1)^n + (-1)^n - ... + (-1)^n = 0$ $\frac{y_{mb}}{K=0}$ $\frac{\sum_{k=0}^{\infty} (K_{k}(-1)^{k}(n-k)^{m} = 0, m < n}{K=0}$ D-los Jackmannen da,..anz u boudeneur bee Anp-2 mg n nom c nobnngnemmen. Odremme -p-2. N=nm di: p-e advangalem cb-m di L= > ona me cogenneum ai N(di)= [n-1] M(di, di)=(n-2) M(1,--Im)=0, m. K. m < n.

Myrumum qp-ny bru. wan $0 = n^m - C_n^2 (n-1)^m + C_n^2 (n-2)^m - ... + (-1)^n (n-n)^m . C_n^2$