$A = \begin{pmatrix} 4 & 3 & 1 \\ 3 & 1 \end{pmatrix} = \begin{bmatrix} 11 \\ 2 \end{bmatrix}$ $A = \begin{pmatrix} 4 & 3 & 1 \\ 3 & 1 \end{pmatrix} = \begin{bmatrix} 11 \\ 2 \end{pmatrix}$

(Sea 1816) July 1819, 19 1814 Non Non AS, Az, A, A, Al KISAS (Sea

 $|A| = \left| \left\langle \begin{array}{c} 2, \frac{1}{2} 2 + \frac{1}{2} = 3 & \text{fe silves} \end{array} \right| = \left(\begin{array}{c} 5 \\ 2 \end{array} \right) \quad |A_2| = \left(\begin{array}{c} 3 \\ 2 \end{array} \right) \quad |A_3| = 0 \Rightarrow A_3 = \emptyset$

|Ainas =0 -1100 (; poster = 1.3211

AINAx = { 4, 4, 4, 4, 4, 4 = 0

 $|A, UA_2UA_3| = {5 \choose 2} - {3 \choose 2}$

116411

 $|A \wedge A_1 \cup A_2 \cup A_3| = {11 \choose 2} - {5 \choose 2} - {3 \choose 2}$

Ay = fulle 1'8'2) ~ 117 , 130 } => [Ay = 43]

999,999 - |A2UA3UA4| = 949,999 - (499499-3) -31-9-3 13)

 $\frac{1}{2^{k}} \sum_{i=0}^{k} \binom{n}{i} \binom{n}{i} \frac{1}{2^{k}} \binom{n}{i} \binom{n}{i} \frac{1}{2^{k}} \binom{n}{i} \binom{n}$

$$X = \begin{cases} (1A)^{1000} & (1A)^{1000} & (1A) \\ A_1 = \begin{cases} (1A)^{1000} & (1A)^{1000} & (1A) \\ A_2 = (1A)^{1000} & (1A)^{1000} & (1A) \\ A_3 = (1A)^{1000} & (1A)^{1000} & (1A) \\ A_4 = \begin{cases} (1A)^{1000} & (1A)^{1000} & (1A)^{100} \\ A_1 = (1A)^{1000} & (1A)^{1000} & (1A)^{1000} \\ A_1 = (1A)^{1000} & (1A)^{1000}$$

5 دعید دیادنام ددیالر - عدمالا ددرد. , M-

1) (p)(p) = (p)(p-q)2) $\sum_{j=0}^{\infty} (-1)^{j}(\frac{1}{j}) = 0$ 2) $\sum_{j=0}^{\infty} (-1)^$

45/2) 11, 117, 1171 500 + 1000 (11/10) 5111 11000 (11/10)

 $\sum_{J=q}^{P} (-1)^{J-q} {\binom{J}{q}} {\binom{F}{r}} = \sum_{j=q}^{P} (-1)^{j+q} {\binom{P}{r}} {\binom{P-P}{q}} = {\binom{P}{q}} \sum_{J=q}^{P} (-1)^{J+q} {\binom{P-Q}{r}} = {\binom{P}{q}} \sum_{i=J-q}^{P-q} {\binom{P-Q}{r}} = {\binom{P}{q}} \sum_{i=J-q}^{P-q} {\binom{P-Q}{r}} = {\binom{P-$

AND when the see (1) were come is pres seen - line is pri 6 XEA Y XEB V XEL V XE AUBY XEAUCY XEBUC Y XEAUBUC

AND RELATIONAL SON /SEL MINERAL PRES 1300 66 MINAL

 $X = \{(A,B,C)| CnJ(e,N)\}_{A,B,C}$ $\{X = \{(A,B,C)| CnJ(e,N)\}_{A,B,C}\}_{A,B,C}$ $\{X = \{(A,B,C)| CnJ(e,N)\}_{A,B,C}\}_{A,B,C}$ $X_{i} \in \{(A, \emptyset, C) \mid M \notin \mathbb{Z} \in S^{(n-i)}\}$ $|X_i| (a^{n-i})^3 = a^{3(n-i)}$ [t] = (n) |[t] = i Xn+= {(A, B, c) | A, B, c= 1 = 1> (= 1 Xn, +) = 1 X \ UXIt 1sin Mer pord

 $|UX_{1+}| = \underset{(i)}{\mathcal{E}} X_{1+} - \underset{(i)}{\mathcal{E}} X_{2+} - X_{n_{\pm}} = \underset{(i)}{\overset{\wedge}{\sum}} \binom{n}{i} \binom{n}{i} \binom{n}{i}^{i-1} 2^{3(n-i)}$

 $|X| - |U \times_{i \in I}| = \lambda^{3n} + \sum_{i=1}^{n} {n \choose i} {n \choose i} = \sum_{i=1}^{n} {n \choose i} = \sum_{i=1}$

.5f(m,n)=nf(m-1,n)+nf(m-1,n-1) :1311 /1311 @ 7212 0 7 נוכית באינקוקנה א ח (נית בת לתונית באינקוקיה א ו באשו ויחבות m 68 f(m,1)=1 17/22 vis ign f(w'u) biden w 200 20 vvg (N4)! > ; how f(pr, n4) pipor to soon 68 sole see . (3

f(k,n4) = (14) f(k-1/n) + (n4) f(k-1/n)

= (n =1) ((n=1) f(k-2)(n=1) = (n=1) f(k-2,n)) = n=1 f(k-1,n) = k-n-1

 $= \frac{(v_{1})^{1} \times (v_{1})^{2}}{(v_{1})^{1} \times (v_{1})^{2}} + \frac{(v_{1})^{1}}{(v_{1})^{2}} + \frac{(v$

16491 Elevel 1/2 1980.

A = { por ple pro - resks 6 18213 (33 - } |A, |= |A, | = 0(n).n. A,={ 150 find the post the 67 ht pe 216 - [A, UAz] 110 - Ges le post

AIDIAZ = { PR pre pro present G { 132() 23 per (n) per

הטבר וחינחול ב ול ב מו ב אלין ח השרות אלים האשיק באי סור יש (חום אנשריות הטבר וחינחון (חום אנשריות הטבר וחינת וחום אנשריות alin work with the (م) عرف المانير دادي دين ١٩٥ ع (١١) من المرازل ساوير دين ١٩٥ مان אכשרות בכך שפני התנוץ יתקימו לביף לפתח ולם אפשרות של אי סקר של כוכם ניתן לצול את כל אי תסוק ש הבארע נקבל לואת

|A, UAi| = n!o(n) + n!o(n) - o(n)

$$X = \begin{cases} 1 - q & \text{le } \text{ piros } & \text{le } \text{ firos } & \text{le } \text{ firos } \\ X_2 = \begin{cases} 1 - q & \text{le } \text{ piros } & \text{le } \text{ firos } \\ \text{le } \text{ firos } & \text{le } \text{ firos } & \text{le } \text{ firos } \\ \text{le } \text{ firos } & \text{le } \text{ firos } & \text{le } \text{ firos } \\ \text{le } \text{ firos } & \text{le } \text{ firos } & \text{le } \text{ firos } \\ \text{le } \text{ firos } & \text{le } \text{ firos } & \text{le } \text{ firos } \\ \text{le } \text{ firos } & \text{le } \text{ firos } & \text{le } \text{ firos } \\ \text{le } \text{ firos } \\ \text{le } \text{ firos } & \text{le } \text{ firos } \\ \text{le } \text{ firos } & \text{le } \text{ firos } \\ \text{le } \text{ firos } \\ \text{le } \text{ firos } & \text{le } \text{ firos } \\ \text{le } \text{ firos } & \text{le } \text{ firos } \\ \text{le } \text{ firos } \\ \text{le } \text{ firos } & \text{le } \text{ firos } \\ \text{le } \text{ firos } & \text{le } \text{ firos } \\ \text{le } \text{ firo$$

$$|X| = |(X \mid X_{33} \cup X_{639} \cup X_{45})| = |X| - |X_{23} \cup X_{639} \cup X_{45}| = |X| - |X_{23} \cup X_{639} \cup X_{45}| = |X| - |X|$$

$$|X = 9! |X_{34}| = |X_{45}| = 8! |X_{6+8}| = 1! |X_{34} \cap X_{6+8}| = |X_{45} \cap X_{6+8}| = 6!$$

$$|X_{34} \cap X_{45}| = |X_{345}| = |X_{345}| = 1! |X_{34} \cap X_{45} \cap X_{6+8}| = |X_{345} \cap X_{6+8}| = 1!$$

$$|X_{34} \cap X_{45}| = |X_{345} \cap X_{6+8}| = |X_{345} \cap X_{6+8}| = |X_{345} \cap X_{6+8}| = 1!$$

$$|X_{34} \cap X_{45}| = |X_{345} \cap X_{6+8}| = |X_{345} \cap X_{6+8}| = 1!$$

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$$|X_{34} \cap X_{45}| = |X_{345} \cap X_{6+8}| = |X_{34$$