13 m : 3

 $(m)(n-i) = \frac{n!}{3!(m-i)!} \cdot \frac{(n-i)!}{(n-i)!(n-n)!} \cdot \frac{n!}{n!}$

 $= \binom{m}{n} \binom{n}{j}$

 $\mathfrak{S} = \sum_{s=0}^{n} \binom{n}{s} = \binom{n}{s} = \binom{n}{s} = \binom{n}{s} = \binom{n}{s} \xrightarrow{s}$

المعالم حالي

13 C

(1) 12/4 (10) 1- (10,0) 2-5.8

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(kis) - (kis) - (k+1);) 8(3= -30:)[bx alc @ (kis) - (0,0) (2-1);) (2-1);) (2-1);) (2-1);) (2-1);) (2-1);) (2-1);) (3-1)

R 1510 A (R+1.5) (2,16)

(v+1,i) ~ (v,i) (v-i) (v+1) (v-i) (v+1) (v-i) (v

| 1201 < 1 = 20 | 200 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

$$\int_{N}^{R=1} \left(\frac{1}{N} \right) = \int_{N}^{R=1} \left(\frac{1}{N+1} \right)$$

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ison 3

$$\sum_{k=1}^{n} k_{s} = \sum_{k=1}^{n} \left(\frac{1}{2} + \binom{1}{k} \right) = \sum_{k=1}^{n} \binom{1}{k} + \sum_{k=1}^{n} k$$

$$= \sum_{k=1}^{n} \binom{1}{2} + \binom{1}{2} + \binom{1}{2} + \sum_{k=1}^{n} k$$

$$= \sum_{k=1}^{n} \binom{1}{2} + \binom{1}$$

$$= \frac{1}{2} \left(\frac{1}{2} - \frac{1}{2} \frac{1}{2} + \frac{1}{2} \frac{1}{2}$$

:0/25 /83 (3/02/6 .30

دعور بدار عداد

$$\sum_{k=1}^{k} k_{3} = \sum_{k=1}^{n} \left[\binom{3}{k} + \binom{1}{k} + \binom{1}{k} \right] = \binom{n}{k} + \binom{n}{k} + \binom{3}{k} + \binom{3}{k$$

 $\frac{1}{N} = \frac{1}{N} = \frac{1$

 $\frac{k \leq N - k}{N_{i}} \qquad \frac{(k+1)! (N-k-1)!}{N_{i}!} \\
\frac{k}{N} \leq \binom{(k+1)!}{N_{i}!} \qquad \frac{(k+1)!}{N_{i}!} \qquad \frac{$

 $\begin{cases} 8 | x^{-1} | x^{-$

 $\sum_{N} \left(\frac{|\vec{N}|}{N} \right) = \sum_{N} \left(\frac{|\vec{N}|}{$

6 (22

 $a_{1}b_{1}(x,y) = a_{1}b_{2}(x,y) + b_{2}a_{1}b_{2}(y) + b_{3}a_{1}b_{2}(y) + b_{4}a_{1}b_{3}(y) + b_{4}a_{1}b_{$

 $= \frac{1}{(a_1^{1/3})^{3/3}} = \frac{1}{(a_1^{1/3$

a+p+c+0=100

a+p+c+0=100

20.6.66

20.6.66

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= 29+2c+30=18 = 200 (a/p/c/d) X = 200 36+2c+30 = -623 .24

8 24. 2 - (2) - (2

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1. 0 r/20 d de. 0 ped ripe 2: [1] ripe 2 [4/20]

(1 0.00 d d e. 0 bed ripe 2: [3] ripe

(1 0.00 d d e. 0 bed ripe 2: [4]] = [4/40]

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

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 $\int_{1}^{\infty} \int_{0}^{\infty} \int_{0$

85/24 5/25 (1) = 2 (5) us: 1/25 = loia, 19 143 k/2 E=m.

5/2/2 () (m-1) 1-1 1-2 2/200 -04 ۵۰۶٬۶۰۶ کرد ۱ تار، ۱۳۰۶٬۶۰۶ کرد ۱ تار،

 $\int_{N} d^{2} \cdot \int_{N} d^{2} \cdot$

7 (") (m-1) - 7 (") (m-1) -:

 $\sum_{i=1}^{n} {\binom{n}{i}} {\binom{m-1}{i}}_{i} = \sum_{i=1}^{n} {\binom{n}{i}} {\binom{m-1}{i}}_{i} - {\binom{m-2}{i}}_{i}$

 $= \sum_{i=1}^{n} {n \choose i} {m-1 \choose i} + \sum_{i=1}^{n} {n \choose i} {m-1 \choose i} - {m-2 \choose i}$

= > \frac{1}{2} \left(\frac{1}{n}\left(\frac{1}{n-1}\right)^{\frac{1}{n-2}} - \left(\frac{1}{n-2}\right)^{\frac{1}{n-2}}

(3) 2 (") (m-1) = m - (m-2) == 5 or 6 or m=3 (3) 2,37 (3)

. m=2 =3= in sand De sé lée