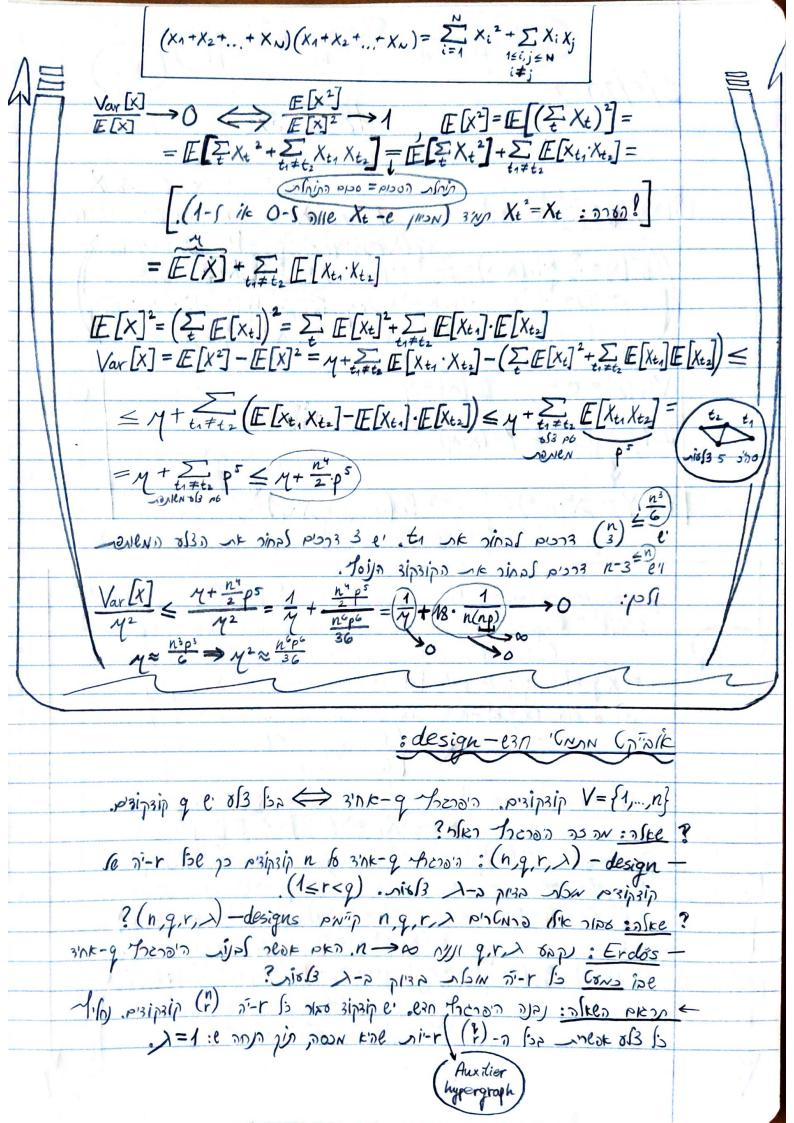
$\binom{n}{k} = \frac{n!}{k! (n-k)!} = \frac{n(n-1) \cdot \dots \cdot (n-k+1)}{k!} \approx \frac{n!}{k!}$ pwie k 3/5/2022 NN X Pr(X≥X·4) = = : (X>1) SE, M Ship DO X≥O DE = DIPTH EED $Pr(X \ge \lambda \cdot y) < \frac{1}{\lambda} \quad \text{of the any indial}$ $E[X] = \sum_{x} \times Pr(X = x) = \sum_{x < \lambda : y} \times Pr(X = x) + \sum_{x < \lambda : y} \times Pr(X = x) \ge \sum_{x < \lambda : y} \times Pr(X = x) = \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y} Pr(X = x) \ge \sum_{x < \lambda : y$ $Var(X) = \sigma^2$, E[X] = 42 $\mathbb{E}\left[\underbrace{(x-y)^2}\right] \Longrightarrow Y = (x-y)^2$ (Dipon éx) $\Pr(Y \ge \lambda^2 \cdot \sigma^2) \le \frac{1}{\lambda^2} \Rightarrow \Pr((x-y)^2 \ge \lambda^2 \sigma^2) \le \frac{1}{\lambda^2} \Rightarrow \text{ sine reckn}$ $\Pr(|X-y| \ge \lambda\sigma) \le \frac{1}{\lambda^2}$ $\Pr(|X-y| \ge \lambda\sigma) \le \frac{1}{\lambda^2}$ $\text{solio}(3) \stackrel{\text{fig. poin}}{=} 0$: 20'2'3 ÉE, PID'08 .p 1000 pe nk3 Ny 8/3 sol priprip n for the KID Gnp :DNE13# ? "essen" Gyp -2 sine sia35 pisis yk pi-p sik sia6: aske triangle) () Also Ajegis'a suniacia a'via allo t={x,y,z} pripripre nele los prelient noon ne X-2 (NO) . elien kin {x, y=} -e trikan le 1=3nn man nk X+ -> (NO) $X_t = \begin{cases} 1 & xy, yz, xz \in \mathbf{E} \\ 0 & \text{, sink} \end{cases}$ (2) 1/3 6(2) person (3) 1/3 2(3) 25 NIDEDED NIESED NOON $X = \sum_{t} X_{t} \Rightarrow E[X] = \sum_{t} E[X_{t}] =$ $=\binom{n}{3}p^3 \approx \frac{(h^3 \cdot p^3)}{6}$ > Pr(yz,xz,xy E) = p3 p= 1 sens ·elien 722 (* πρίος πιοροποίδ κ πρ → Ο ρε : 2) ρον (Pr (x>0) = Pr (x≥1) = Pr (x≥ (π/4) x) ≤ π/2 = η ≈ (πρ) → ο : πλη) .Pr(X=0) -> O sk, np -> 00 pk : DB6. P= logn : low() Pr(X=0) < Pr(|X-M|≥M) = Pr(|X-M|≥N·0) < 1= (3)= 1= 100/01 $M=X \circ$ $\frac{Var(x)}{E[X]^2} \rightarrow 0$ $X = \frac{Var(x)}{E[X]^2} - \frac{Var(x)}{E[X]^2}$ $Var(x) = \frac{E[X^2]}{E[X]^2} - \frac{1}{E[X]^2}$



הבשיה התקורת מיתכשת לבשית מצאת ביון משלם בהיפריבר הקנש. הבשיה של באול ביות לבשית מבשת לבולה באות באות באות באות ההיפרשה החדש שתכסות כתו את ב הקונקונים.