2019年3月29日 9:16

Bolls & Bhs

(ace 4.
$$P_{r}(k \geq c \cdot \frac{m}{n}) = o(1)$$

$$\leq 2^{2}?$$

$$P_{r}(X_{1} \geq c \cdot \frac{m}{n}) = x_{1} + x_{2} + x_{3} + x_{4} + x_{5} +$$

Compose conditions from
$$(X_1 \ge 1, X_2 \ge 1, --, X_1 \ge 1) = (-oct)$$

$$P_r(X_1 = 0 \text{ or } X_2 = 0 - -- \text{ or } X_1 = 0) = o(1)$$

$$= M_r(X_1 = 0)$$

$$P_r(X_1 = 0) = (1 - \frac{1}{n})^m = o(\frac{1}{n})$$

$$= o(\frac{1}{n})^{n-m}$$

$$Z_{2} = \begin{cases} 1 & 1 - \frac{1}{1}, \\ 2 & \frac{1}{1 - \frac{1}{1}}, \\ 3 & \frac{1}{1}, \\ \frac{1}{1$$

$$Z_{i} = win \{t, | wt = 1\}.$$

$$W_{i} : W_{i} = \begin{cases} w_{i} \\ w_{i} = 1 \end{cases}$$

$$E(Z_{i}) = \begin{cases} w_{i} \\ w_{i} = 1 \end{cases}$$

$$G(T)=\sum_{i=1}^{N}G(Z_i)=\sum_{i=1}^{N}\frac{u}{u-i+1}$$
 $\approx u \cdot l_{u}u$.

$$V_{ar}(T) = V_{ar}(\underbrace{\overset{\sim}{\xi}}_{z} Z_{i}) = \underbrace{\overset{\sim}{\xi}}_{z} V_{ar}(Z_{i}) = \Theta(h^{2})$$

$$Pr(|T-E(T)| \ge C)$$
 $\le \frac{Var(T)}{C^2}$

$$\operatorname{Pr}\left(\left| 7 - \operatorname{vlmn} \right| \ge \operatorname{c'vlmn}\right) \le \frac{\operatorname{Qv}^2}{\left(\operatorname{c'nlmn}\right)^2} = 011\right).$$

stable marriage problem

- O stable marriage.
- D. Thu! Men propose Algorithm is

I stable marriage.

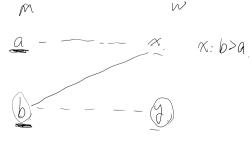
a · X



best for the men.

Men propose Ago:

M



random M arbitrary. Pr (# Propose < culum) = 1-01).

E (step. 6) = 6.

E(青水和出し 打出的都是熔散)=?