E(XI= SAPINI - SAPINI) EXPINI
PINI). XXX ر أون مقرالماني $= \sum_{\alpha} E(x) > \alpha P(x) = \sum_{\alpha} \frac{E(x)}{\alpha} > P(x) = 0$ $= \sum_{\alpha} \frac{E(x)}{\alpha} > P(x) = 0$ P(12-11) = P((2-11)27 &) = (12-112) = E(12-112) = D x: ~ Bernoulli (] , i= 1, ~, N } $X = \begin{cases} N \\ N \end{cases} \sim B_{i,nomical}(N, \frac{\pi}{4}) \Rightarrow \begin{cases} E[S_{xi}] = N \times \frac{\pi}{4} \\ N \end{cases}$ $Vour[S_{xi}] = N \times \frac{\pi}{4}$ $Vour[S_{xi}] = N \times \frac{\pi}{4}$ $X = \sum_{i=1}^{N} x_{i} = \sum_{i=1}^{N} (1 - \sum_{i=1}^{N} x_{i})$ $\sum_{i=1}^{N} x_{i} = \sum_{i=1}^{N} (1 - \sum_{i=1}^{N} x_{i})$

Scanned with CamScanner

$$Z = 4 \times \longrightarrow \begin{cases} V_2 = \pi \\ V_{orr}(z) = \frac{\pi}{N} (4 - \pi) \end{cases}$$

$$i = \frac{1}{2} \cos \rho \left(|Z - |^{2} | \right) = \frac{\sigma_{z}^{2}}{\xi^{r}}$$

$$\begin{cases}
= 0,01 & \text{in } \frac{1-\frac{\sigma_{2}^{2}}{2}}{\sigma_{2}^{2}} = 0,4 \text{ and } \frac{\sigma_{2}^{2}}{\sigma_{2}^{2}} = 0,0 \text{ and } \frac{\sigma_{2}^{2}} = 0,0 \text{ and } \frac{\sigma_{2}^{2}}{\sigma_{2}^{2}} = 0,0 \text{ and }$$

الث

$$\begin{aligned} & 1|A||_{2}^{2} = \lambda_{\text{max}}(A^{H}A) = \sigma_{\text{max}} \\ & 1|A||_{F}^{2} = \sum_{i=1}^{\infty} |\alpha_{ij}|^{2} = 4\text{face}(A^{H}A) = \sum_{i=1}^{\infty} \lambda_{i}(A^{H}A) > \lambda_{\text{max}}(A^{H}A) \\ & = |A||_{2}^{2} = > |A||_{F}^{2} > |A||_{2}^{2} \end{aligned}$$

$$= |A||_{2}^{2} = |A||_{2$$

$$(\vee)$$

$$\frac{1+\tanh(\frac{\pi}{r})=\frac{1+\frac{e^{\pi}-1}{2}}{(e^{\pi}+1)r}=\frac{re^{\pi}}{r(1+e^{\pi})}=\frac{e^{\pi}}{(r+e^{\pi})}=\frac{e^{\pi}}{r(n)}$$

$$y(n, \omega) = \omega_0 + \mathcal{S}\left[\omega_j \mathcal{F}(\gamma^{n-p_j})\right]$$

$$=W_0+\left\{\begin{bmatrix}w'; \times \frac{1}{2}(1+\tanh(\frac{N-\gamma'}{5}))\end{bmatrix}\right\}$$

$$= \frac{1}{2} \left[\frac{1}{2} \left(\frac{w_{j}}{2} + \frac{w_{j}}{2} + \frac{w_{j}}{2} \right) \right]$$

$$= \frac{1}{2} \left[\frac{w_{j}}{2} + \frac{w_{j}}{2} + \frac{w_{j}}{2} \right]$$

$$= \frac{1}{2} \left[\frac{w_{j}}{2} + \frac{w_{j}}{2} + \frac{w_{j}}{2} \right]$$

$$= \frac{1}{2} \left[\frac{w_{j}}{2} + \frac{w_{j}}{2} + \frac{w_{j}}{2} \right]$$

$$= U_0 + \underbrace{\sum_{j=1}^{N} \left[V_j + \operatorname{tanh} \left(\frac{x - v_j}{s} \right) \right]}_{s}$$

$$V_{\circ} = W_{\circ} + \sum_{j=1}^{N} \frac{w_{j}}{2}$$

$$U_j = \frac{\omega_j}{2}$$