$$\mathcal{H} = \left[ \vec{\mathcal{H}}_{1}^{\mathsf{T}}, \vec{\mathcal{H}}_{2}^{\mathsf{T}}, \cdots, \vec{\mathcal{H}}_{n}^{\mathsf{T}} \right]$$

$$\overline{\chi}_{i} = [(\chi_{i}^{i})^{T}, (\chi_{i}^{i})^{T}, \dots, (\chi_{i}^{L-1})^{T}]$$
,  $i = 1, 2, \dots, r$ 

$$\Rightarrow \bar{x}_{i} = (A \otimes I_{m}) \bar{x}_{i} + (B \otimes I_{m}) \sum_{i} C_{ij} (\bar{x}_{i} - \bar{x}_{i})$$

$$= \sum_{i} \sum_{j} C_{ij} (\bar{x}_{i} - \bar{x}_{i})$$

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$$= \sum_{j} \sum_{i} C_{ij} (\bar{x}_{i} - \bar{x}_{i})$$

$$\dot{\chi} = \left[ I_{n} \otimes (A \otimes I_{m}) - L \otimes (B \otimes I_{m}) \right] \chi$$

if 
$$\psi = I_{N} \otimes A - 4 \otimes B$$
  
(ie ·  $\psi_{N} = I_{N} \otimes A - 4 \otimes B$ 

$$\Rightarrow \psi \frac{1}{n} 2n \otimes [100...0]_{LXI} = \frac{1}{n} (I_n \otimes A - L \otimes B) 2n \otimes [10...0]_{LXI}$$

$$=\frac{1}{\sqrt{h}}(I_{1}^{1})\otimes(A[10...0]^{T})-\frac{1}{\sqrt{h}}(hI_{1})\otimes(B[10...0]^{T})=0_{ln}$$

$$\lim_{t\to\infty} \exp(+b) = w_{t}w_{t}$$

$$\lim_{t\to\infty} \exp(-b) = w_{t}w_{t}$$

$$\lim_{t\to\infty} \exp(-b) = w_{t}w_{t}$$

$$\lim_{t\to\infty} \chi(t) = \lim_{t\to\alpha} \exp(\alpha t) \chi(0) = \chi \chi(0) = \lim_{t\to\infty} \chi(0) = \lim_{t\to\alpha} \chi(0) = \lim_{$$

$$\frac{1}{n} \sum_{i=1}^{n} \frac{1}{n} \sum_{i=1}^{n} \left( x_{i}(\cdot) + \sum_{k=1}^{n} x_{i}^{k}(\cdot) - \frac{1}{b} x_{i}^{k}(\cdot) \right) = \frac{1}{n} \sum_{i=1}^{n} \left( x_{i}^{i}(\cdot) + \sum_{k=1}^{n} x_{i}^{k}(\cdot) - \frac{1}{b} x_{i}^{k}(\cdot) \right)$$

oleb 
$$\{SI - (A - \lambda_i : B)\} = S - bS^2 + (Y, \lambda_i - b)S + Y, \lambda_i$$
  
 $\lambda_i : Y, \lambda_i : S = Auymiba$