A is MATRIX MEM

B is MATRIX PAG

ARB is HATRIX MPXMG

WE HAVE

$$A \otimes B = \begin{bmatrix} a_{11} b_{11} & a_{11} b_{12} & a_{12} b_{11} & a_{12} b_{12} \\ a_{11} b_{21} & a_{11} b_{22} & a_{12} b_{21} & a_{12} b_{22} \\ a_{21} b_{11} & a_{21} b_{12} & a_{22} b_{11} & a_{22} b_{12} \\ a_{21} b_{21} & a_{21} b_{22} & a_{22} b_{21} & a_{22} b_{22} \end{bmatrix}$$

GEOMETRIC SERIES :

$$\frac{2}{N=0} \stackrel{\wedge}{\lambda} \stackrel{\wedge}{A_{\times}} = 1 + \lambda A_{\times} \stackrel{\otimes}{\underset{N=0}{\sum}} \stackrel{\wedge}{\lambda} \stackrel{\wedge}{A_{\times}} \Rightarrow \stackrel{\otimes}{\underset{N=0}{\sum}} \stackrel{\wedge}{\lambda} \stackrel{\wedge}{A_{\times}} = \left[\pm - \lambda A_{\times} \right]$$