A, B - Nyouzh. wampuyse. Ease A^G where choice, mo $(A^G)^T = B^T \cdot A^T$.

$$A'=$$
 m' , $B'=$
 $p=> B'\cdot A'$ where $p=> 0$ constants

(AB)' unuem pagnepn. $n \times p$, $u B' \cdot A'$ where ty me $pagnepoints. => (AB)' = B' \cdot A'$ beguenne.

$$U_{ij} \in (AB)' \Rightarrow U_{ij} = U_{ji}' = (a_{ji} \cdot b_{ii} + ... + a_{jm} \cdot b_{mi})$$

$$V_{ij} \in B' \cdot A' \Rightarrow V_{ij} = (b_{ii}' \cdot a_{ij}' + ... + b_{im}' \cdot a_{mj}') =$$

$$= (a_{ji} \cdot b_{ii} + ... + a_{jm} \cdot b_{mi}) = U_{ij} \blacksquare$$