$$M_{i}V \in V$$
, $\{e_{i}\}_{ST-BASIS}$
 $\{u_{i}V_{i}\}=\{\sum_{i}U_{i}e_{i},\sum_{j}V_{j}e_{j}\}=\sum_{i,j}U_{i}e_{i},V_{j}e_{j}\}=\sum_{i}U_{i}V_{j}$ $\{e_{i},e_{j}\}_{i}=\sum_{i}U_{i}V_{i}=U^{T}V$

WIW: = (WW) T(WV)

 $\langle u, v \rangle = \sum_{i,j} u_i v_j \langle w_i, w_j \rangle$