Missing the first part Let $MnF = \{n \times n\}$ $A, B \in MnF, A_{ij} = ijthentryofA$ then A = B iff $A_{ij} = B_{ij} \ \forall i_j$ Define: + on MnF by $(A + B)_{ij} = A_{ij} + B_{ij}$ · on MnF by $(AB)_{ij} = \sum_{k=1}^{n} nA_{ik}B_{kj}$