A	A	- 1		1	
/1)	7 1	1	11	U	1
LV	10	1	1	u)
-	A PERSON A	riche.	-	-	اد

Refinition: with min E/N a new volved (min) makerix A is an min tuple at elements aij (= 1, ..., m, j=1, ..., n, which is ordered according to a rectangular scheme consisting of an news and a columns:

A = [azz azz ... azz], a; E | R.

and and ... and]

-> IR MXn is the set of all real valued (myn) matrices. A ER mxn com he equivalently represented as a EIRMA by stacking all a alumns of the matrix Into a long nector.

A E TR 4×2 a E

→ the sum of two indfrices AERMAN, BERMAN:

of Matrices

A+B:= a12+b21 ... an+b2n & RMXn

-> the elements Ci; of the product C= AB & R mxk are computed as (i) = 5 ai, bis (=1,...,m,) = 1,..., K

> means in multiply chement of ith new of A and ith along of B and sim then (dot product)

* > matrices can only be multiplied it neighboring dimensions match