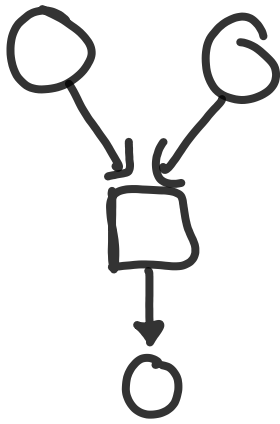


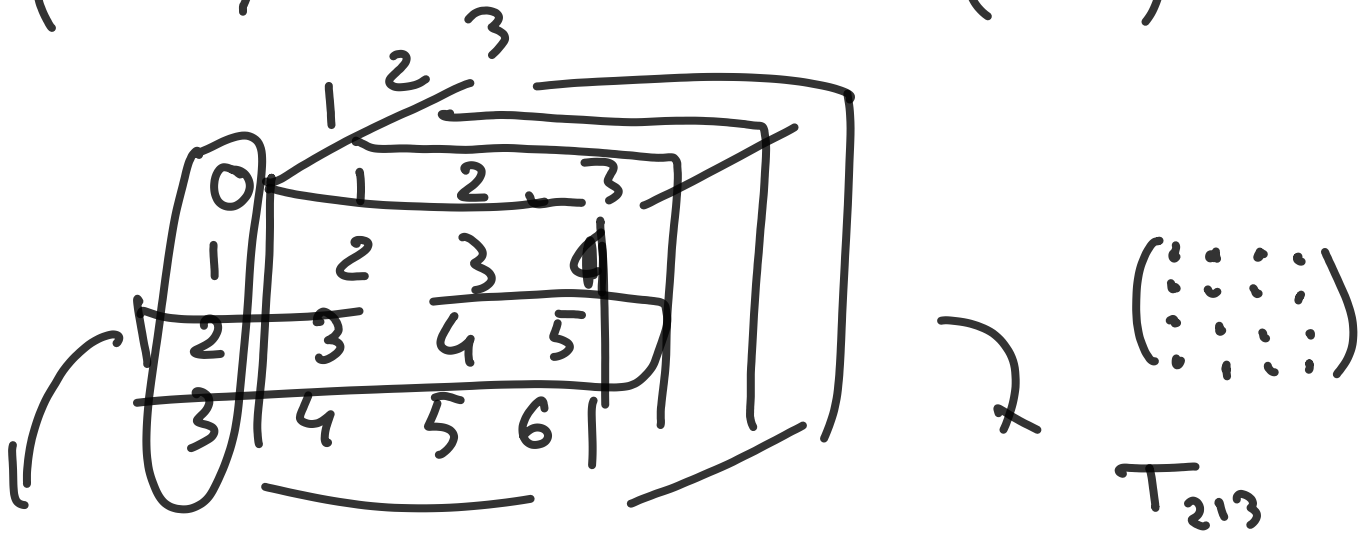
$$1 = \infty \cdot 0 = \infty (0 + 0) \stackrel{\text{distributiva}}{=} \infty 0 + \infty 0 = 1 + 1 = 2$$

Somma  
 di vettori

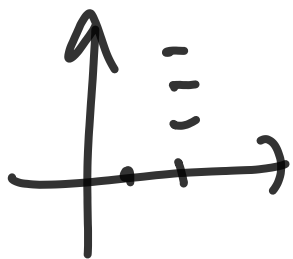


Associativa.

$$(a + b) + c = a + (b + c)$$



$$(1+2)+3 = 1+(2+3)$$



$$\begin{pmatrix} a_{11} & a_{12} & a_{13} & a_{14} \\ a_{21} & a_{22} & \dots & \dots \end{pmatrix}$$

$$\begin{pmatrix} a_{21} & a_{22} \\ a_{11} & a_{12} & a_{13} & a_{14} \end{pmatrix}$$

$$\begin{pmatrix} a_{13} & \dots \\ a_{12} & \dots \\ a_{21} & a_{31} & a_{41} \end{pmatrix}$$

⋮

+	0	1	2	3	4	5	6	7	8	9
0	0	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	7	8	9	10
2	2	3	4	5	6	7	8	9	10	11
3	3	4	5	6	7	8	9	10	11	12
4	4	5	6	7	8	9	10	11	12	13
5	5	6	7	8	9	10	11	12	13	14
6	6	7	8	9	10	11	12	13	14	15
7	7	8	9	10	11	12	13	14	15	16
8	8	9	10	11	12	13	14	15	16	17
9	9	10	11	12	13	14	15	16	17	18

$$(a+b) \quad a + (b+i)$$

$$(a+j)+b \quad (a+j)+(b+i)$$

$$a + (b+i) + (a+j) + b$$

$$2a + 2b + i + j$$

=

$$(a+b) + (a+j) + (b+i)$$

$$2a + 2b + i + j$$

x	0	1	2	3	4	5	6	7	8	9
0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9
2	0	2	4	6	8	10	12	14	16	18
3	0	3	6	9	12	15	18	21	24	27
4	0	4	8	12	16	20	24	28	32	36
5	0	5	10	15	20	25	30	35	40	45
6	0	6	12	18	24	30	36	42	48	54
7	0	7	14	21	28	35	42	49	56	63
8	0	8	16	24	32	40	48	56	64	72
9	0	9	18	27	36	45	54	63	72	81

$$ab \quad a(b+i)$$

$$(a+j)b \quad (a+j)(b+i)$$

$$a(b+i)(a+j)b = ab(a+j)(b+i)$$

