

PRODOTTO CARTESIANO $B \times A$

A Cura di Enzo Exposito

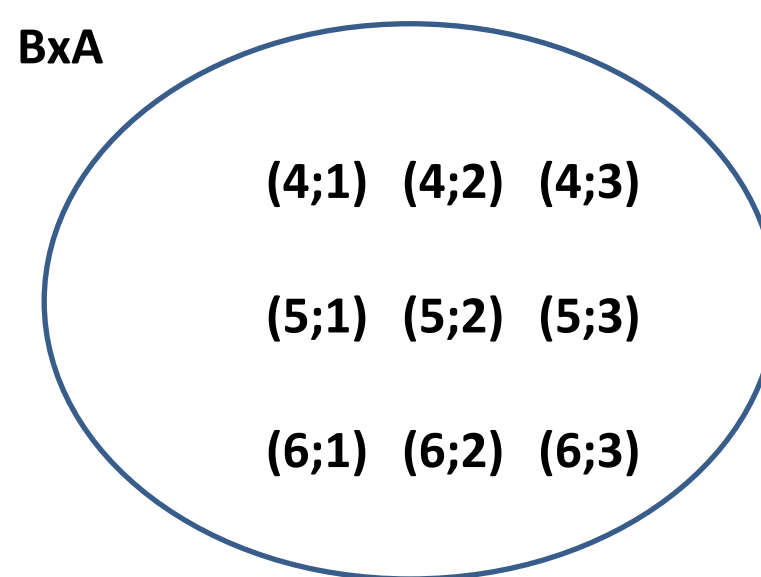
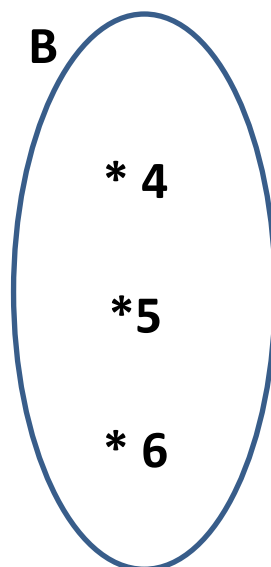
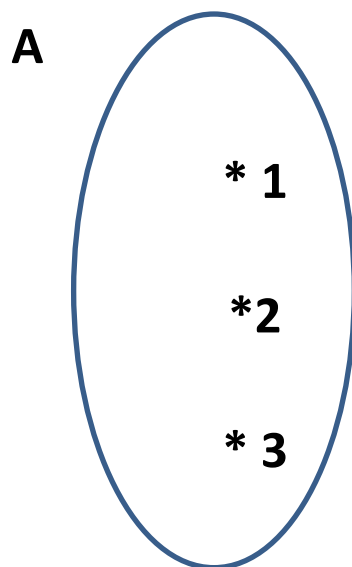
$$A = \{1, 2, 3\}$$

$$B = \{4, 5, 6\}$$

$$A \times B = \{(1;4), (1;5), (1;6), (2;4), (2;5), (2;6), (3;4), (3;5), (3;6)\}$$

$$B \times A = \{(4;1), (4;2), (4;3), (5;1), (5;2), (5;3), (6;1), (6;2), (6;3)\}$$

$$B \times A = \{(4;1), (4;2), (4;3), (5;1), (5;2), (5;3), (6;1), (6;2), (6;3)\}$$



Diagrammi di Eulero-Venn

Diagramma a Frecche BxA

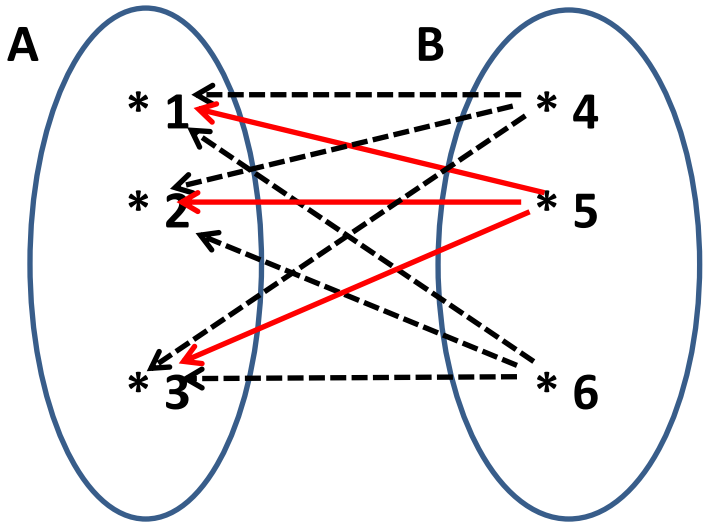


Diagramma ad Albero BxA

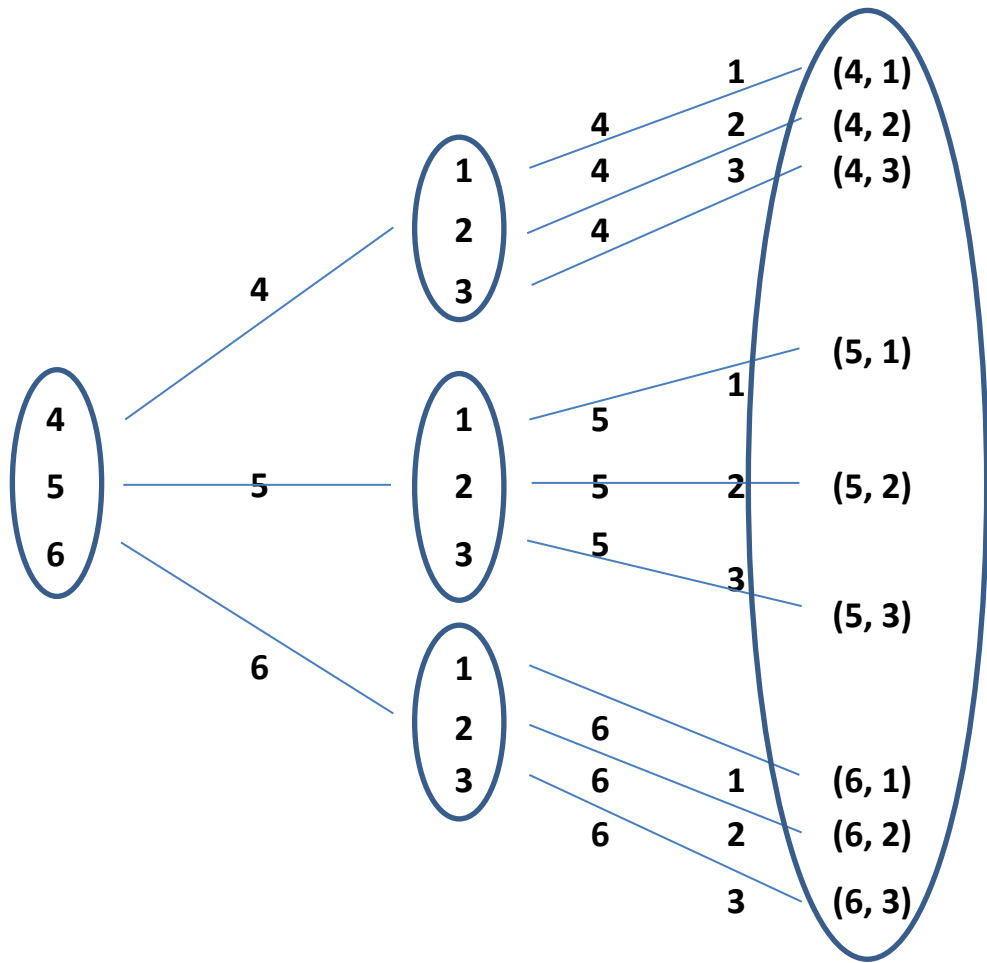


Tabella a Doppia Entrata BxA


B \ A	1	2	3
4	(4;1)	(4;2)	(4;3)
5	(5;1)	(5;2)	(5;3)
6	(6;1)	(6;2)	(6;3)


Matrice BxA

Riga 1	(4;1)	(4;2)	(4;3)
Riga 2	(5;1)	(5;2)	(5;3)
Riga 3	(6;1)	(6;2)	(6;3)
	Colonna 1	Colonna 2	Colonna 3

Matrice Generica

a_{ij}

m colonne
 j cresce 

n righe
 i cresce 

$$\begin{pmatrix} a_{11} & a_{12} & \dots & a_{1m} \\ a_{21} & a_{22} & \dots & a_{2m} \\ \vdots & \vdots & \ddots & \vdots \\ a_{n1} & a_{n2} & \dots & a_{nm} \end{pmatrix}$$

matrice $n \times m$

A Cura di Enzo Expsyto

Diagramma Cartesiano: BxA

$x \in B$	$y \in A$
4	1
4	2
4	3
5	1
5	2
5	3
6	1
6	2
6	3

A Cura di Enzo Exosyto

