

PRODOTTO CARTESIANO $A \times B$

A Cura di Enzo Exposito

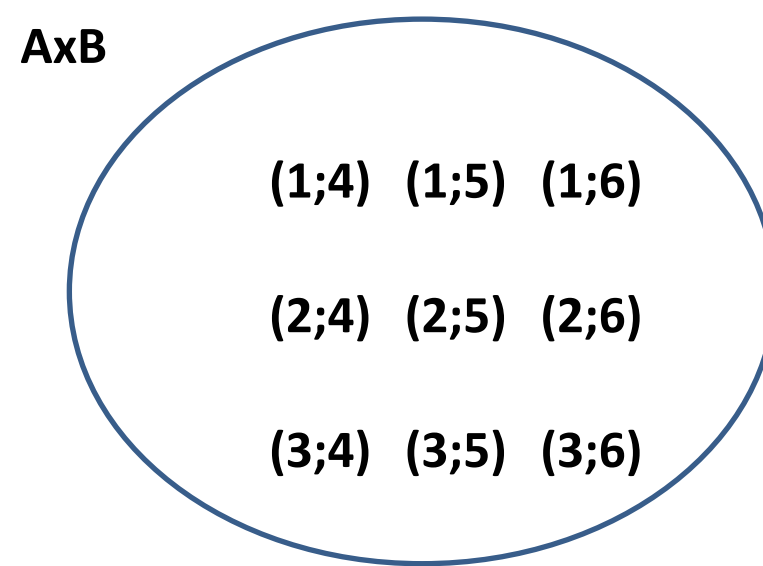
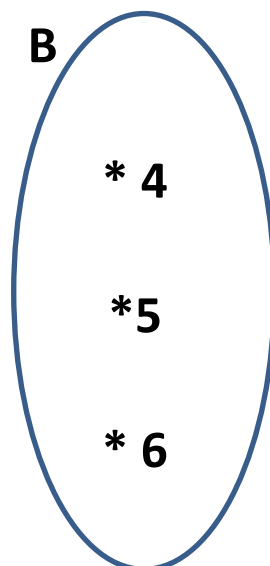
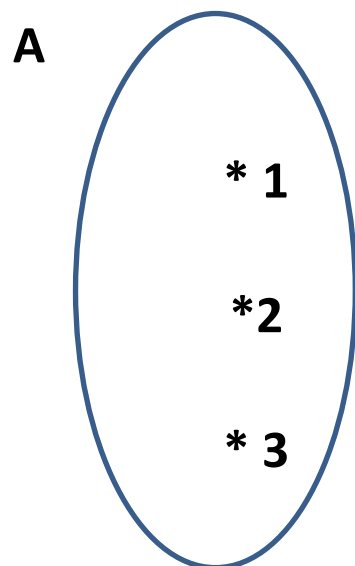
$$A = \{1, 2, 3\}$$

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

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

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

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



Diagrammi di Eulero-Venn

Diagramma a Freccie AxB

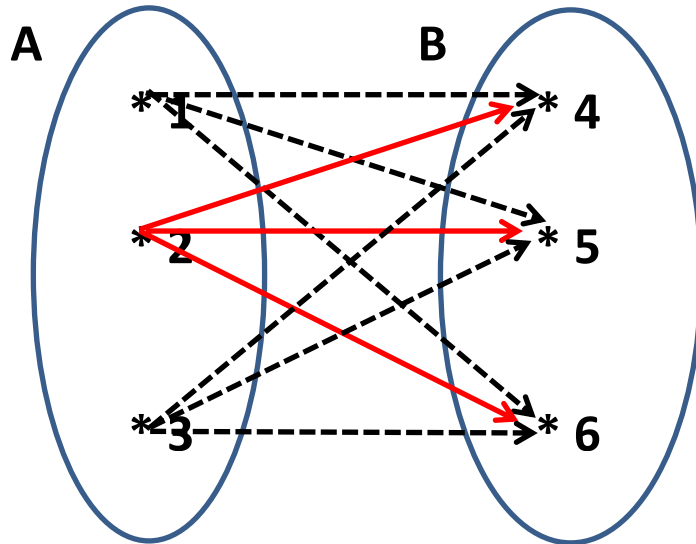
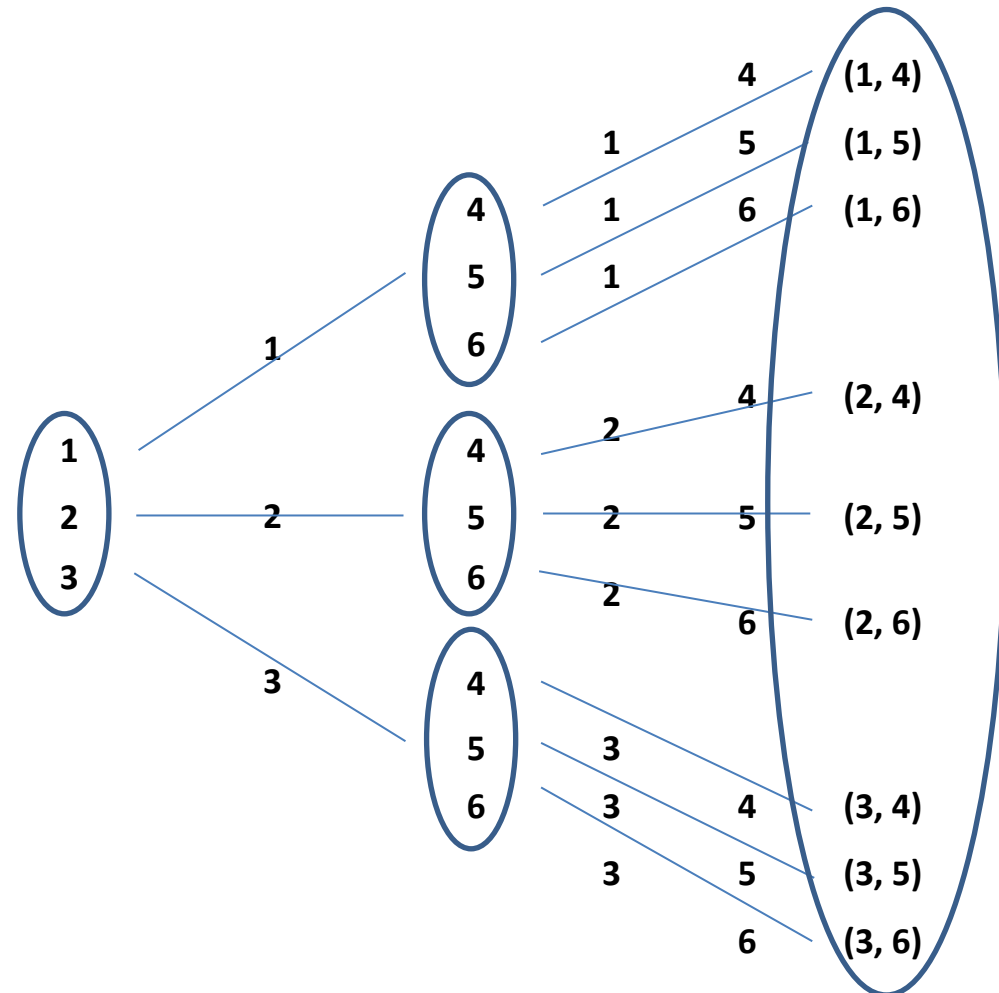


Tabella a Doppia Entrata AxB

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

Diagramma ad Albero AxB



Matrice AxB

Riga 1	(1;4)	(1;5)	(1;6)
Riga 2	(2;4)	(2;5)	(2;6)
Riga 3	(3;4)	(3;5)	(3;6)
	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: $A \times B$

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

A Cura di Enzo Exosyto

