

## PRODOTTI CARTESIANI $A \times B$ e $B \times A$

A Cura di Enzo Exosyto

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

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

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

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

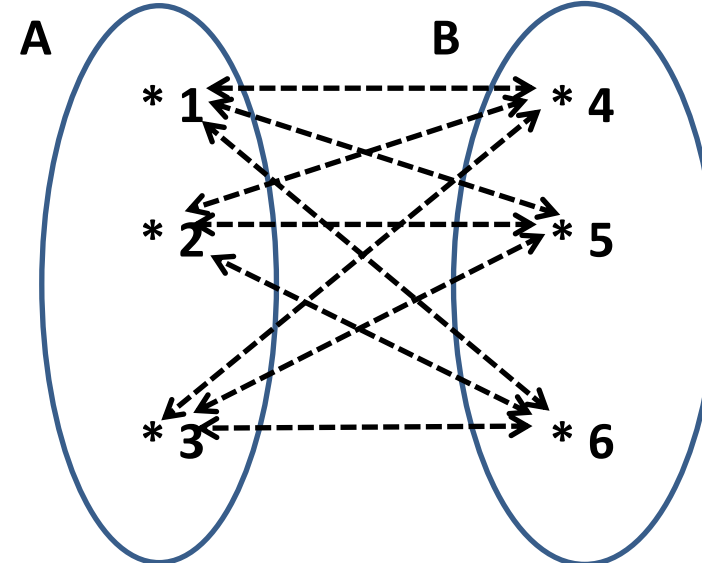
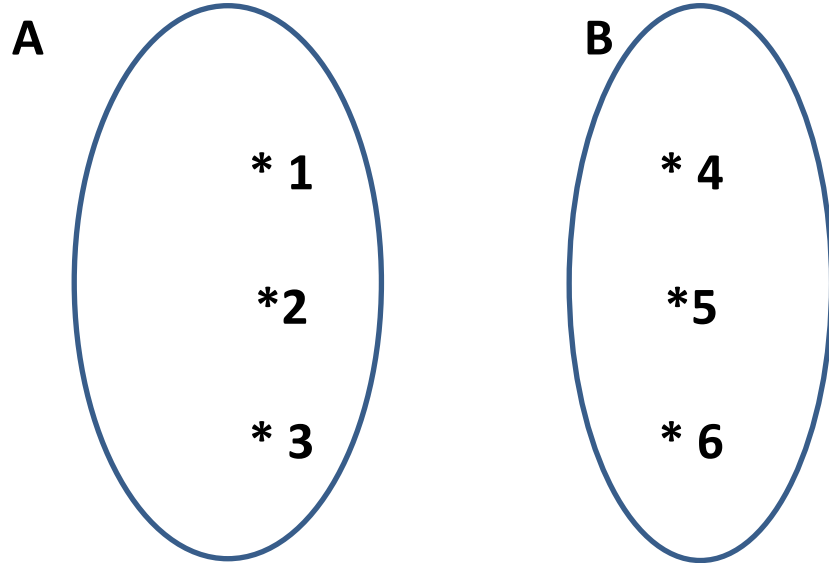
$$A \times B = \{(1;4), (1;5), (1;6), \\ (2;4), (2;5), (2;6), \\ (3;4), (3;5), (3;6)\}$$

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

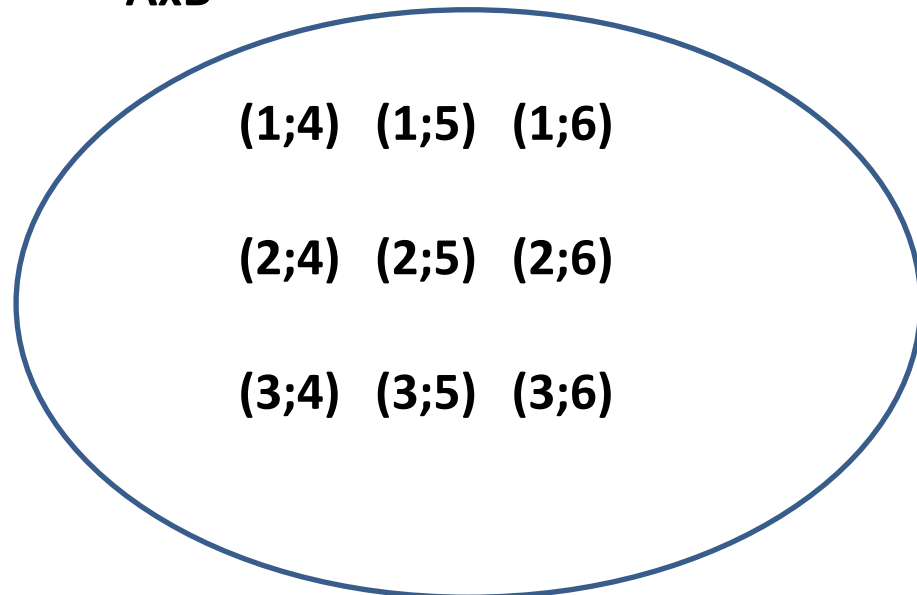
## Diagrammi di Eulero-Venn

## Diagrammi a Freccce $A \times B$ e $B \times A$

A Cura di Enzo Exosyto



$A \times B$



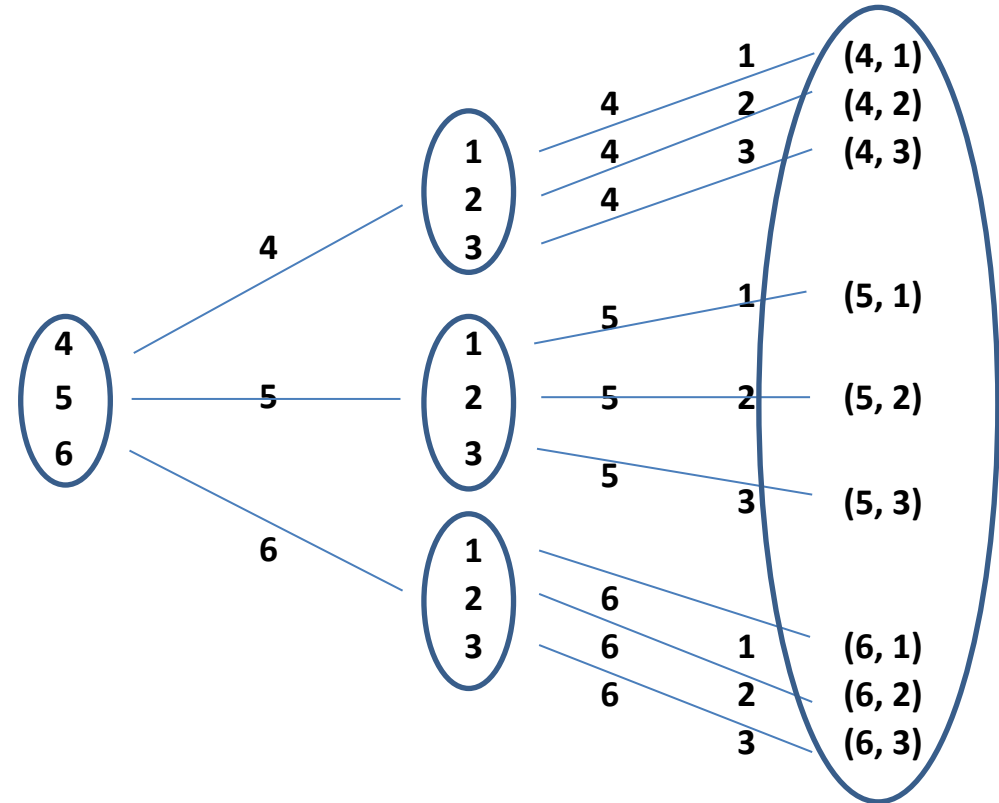
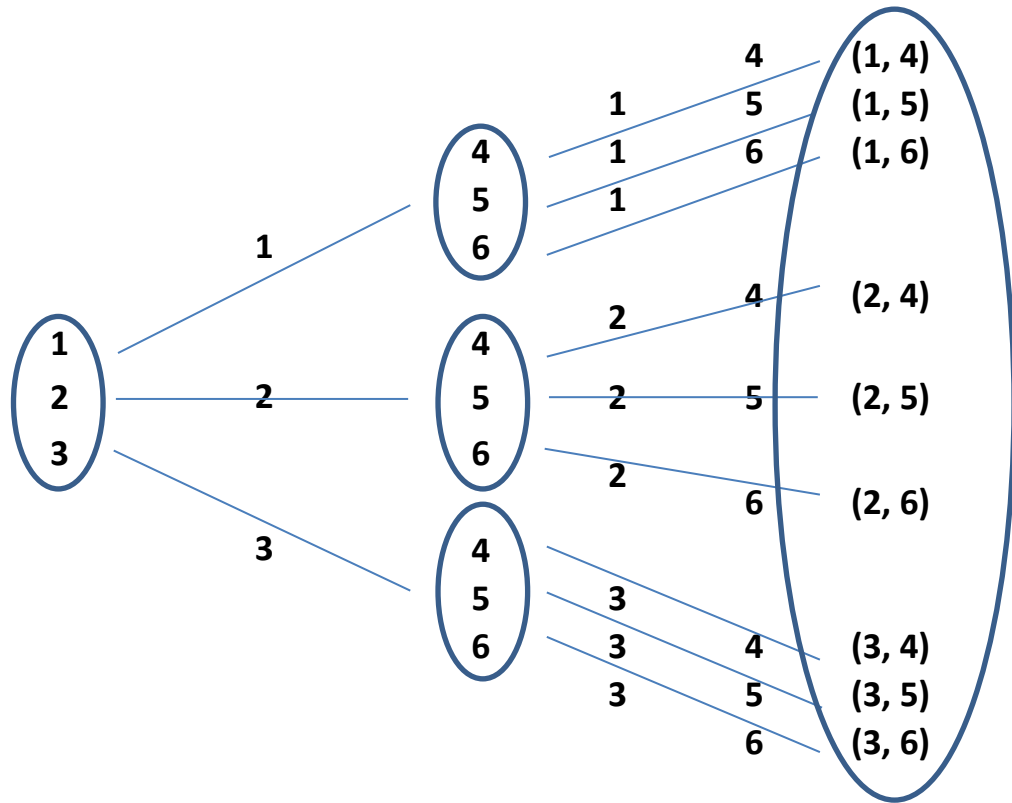
$B \times A$



### Diagramma ad Albero AxB

### Diagramma ad Albero BxA

A Cura di Enzo Expsyto



## Tabelle a Doppia Entrata AxB e BxA

A Cura di Enzo Expsyto

| 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) |

| 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) |

## Matrici: Righe A x Colonne B - Righe B x Colonne A

| 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 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 |

# Diagrammi Cartesiani: $A \times B$ e $B \times A$

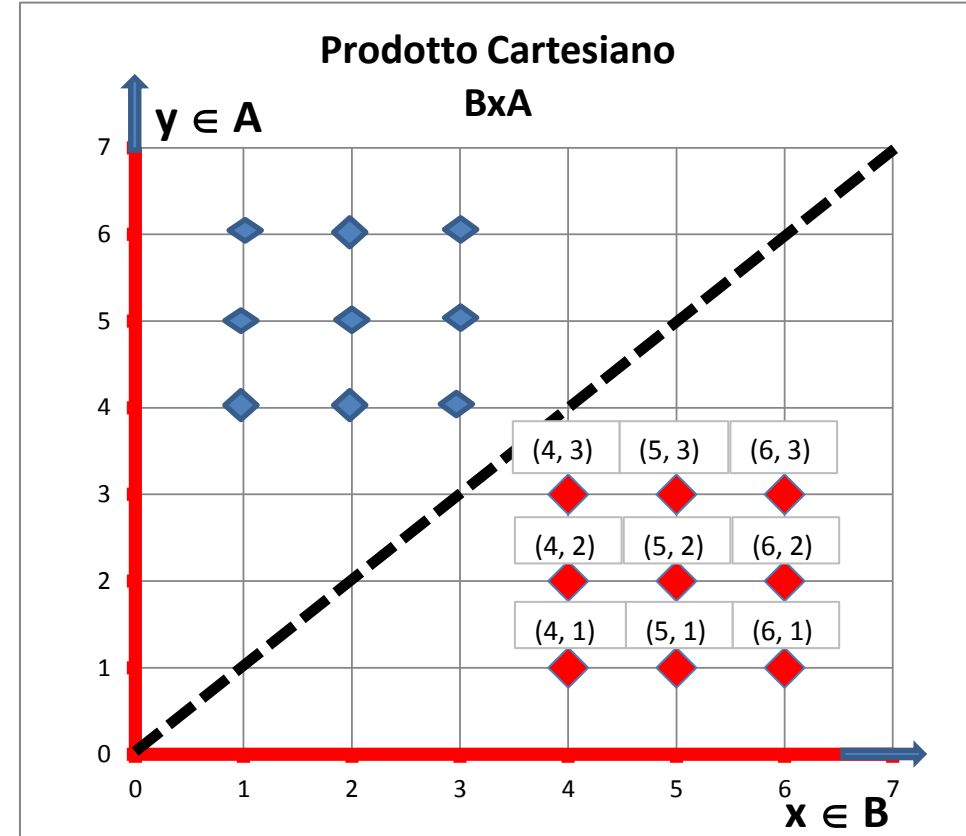
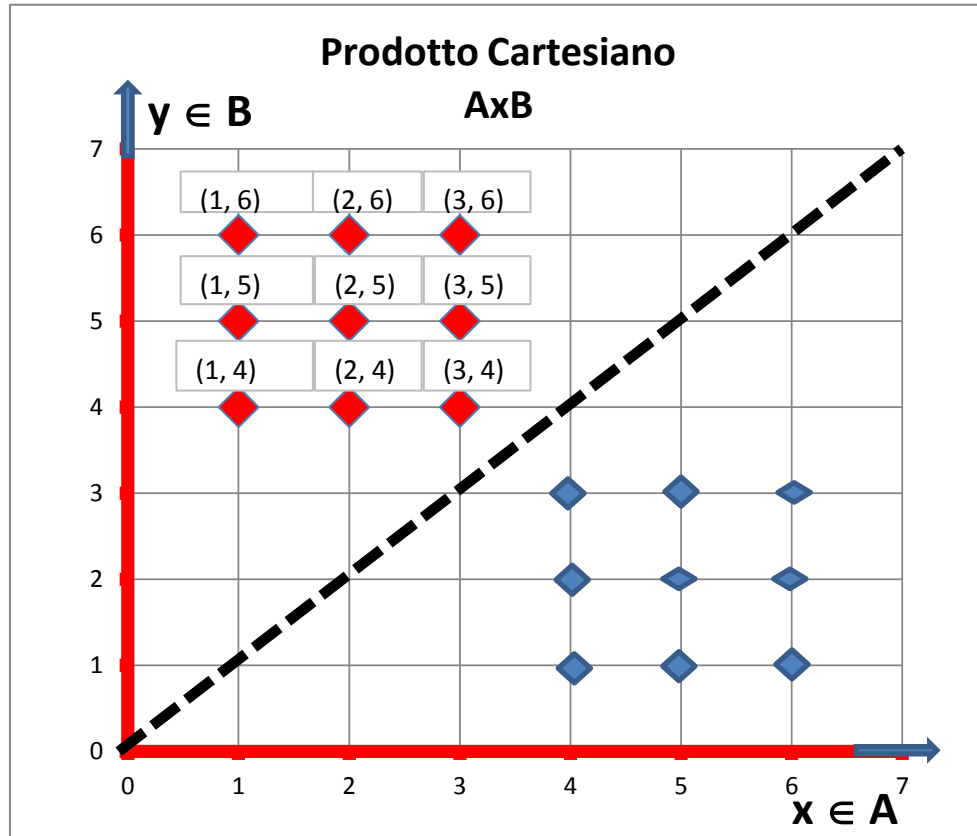
A Cura di Enzo Exposito

## Prodotto 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         |

## Prodotto Cartesiano $B \times A$

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



# Diagrammi Cartesiani AxB, BxA e Loro Simmetria

A Cura di Enzo Expsyto

## AxB

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

## 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         |

## Simmetria dei Grafici Risultanti

