

# LANCIO DI UN DADO

$$\Omega = \{1, 2, 3, 4, 5, 6\}$$

$$A = \{2, 4, 6\} \subset \Omega$$

"IL RISULTATO  
È PARI"

$$B = \{5, 6\} \subset \Omega$$

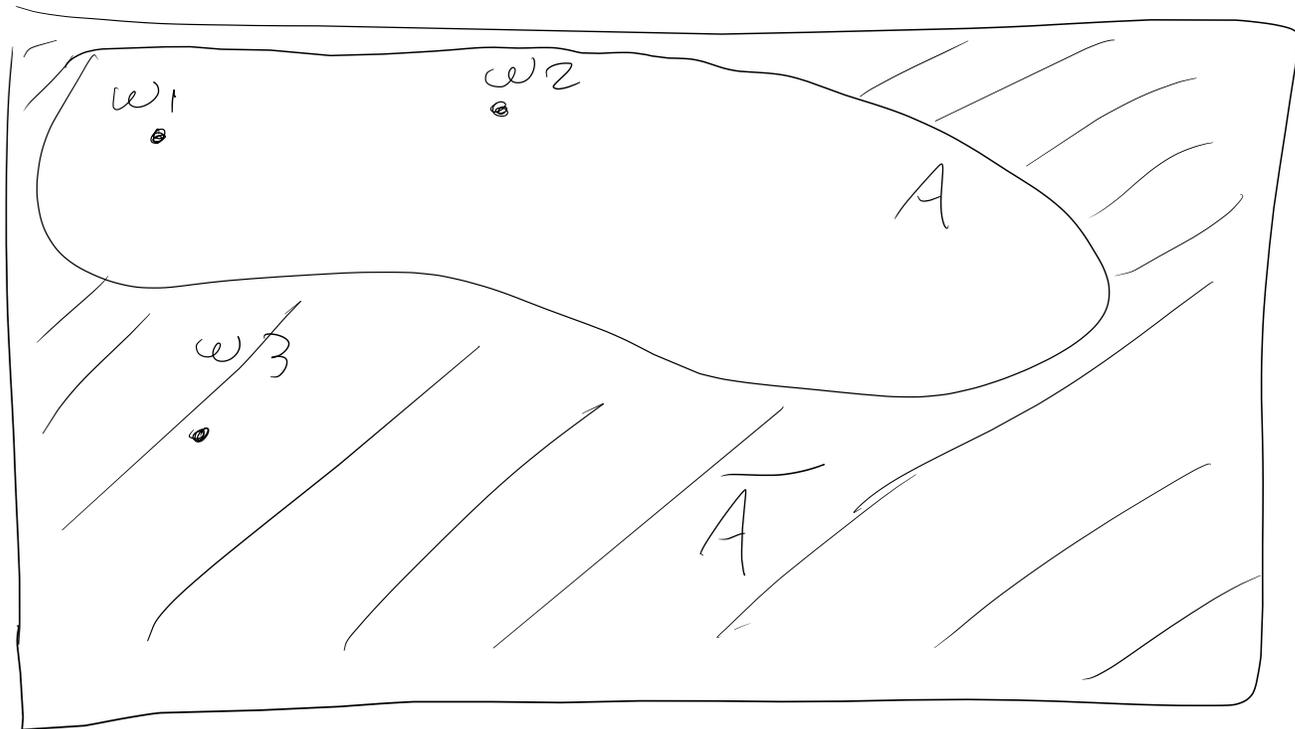
"IL RISULTATO  
È MAGGIORE DI 4"

Il

$\omega^* = 3 \notin A$  È FALSO

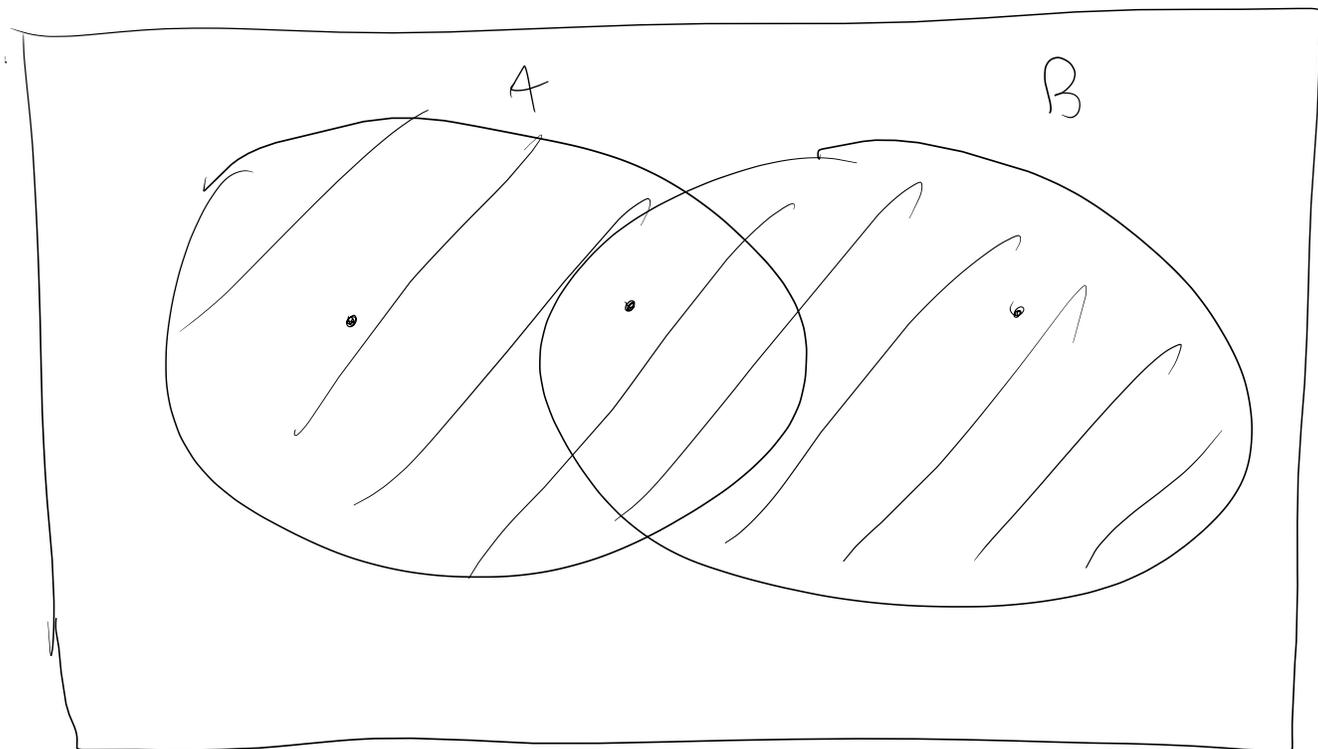
$$\mathcal{F} = \{ \{2, 4, 6\}, \{1, 3, 5\} \}$$

$$\mathcal{G} = \{ \{1\}, \{2\}, \{3\}, \{4\}, \{5\}, \{6\}, \\ \text{---} \}$$

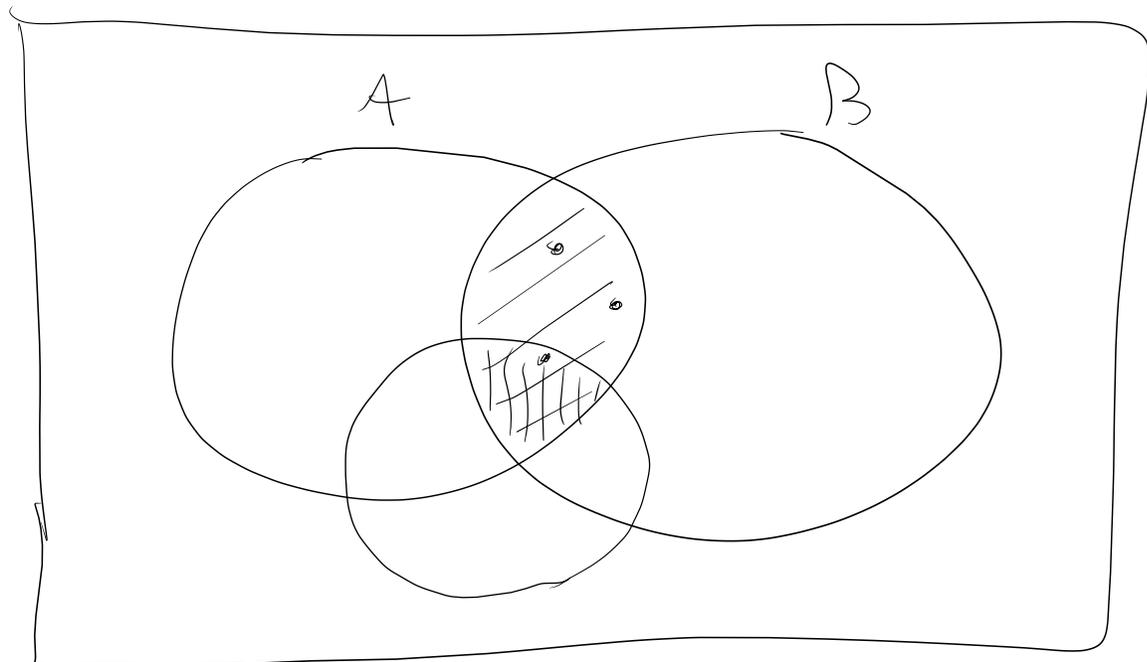


$\Omega$

	$A$	$\bar{A}$
$V$	$V$	$F$
$F$	$F$	$V$

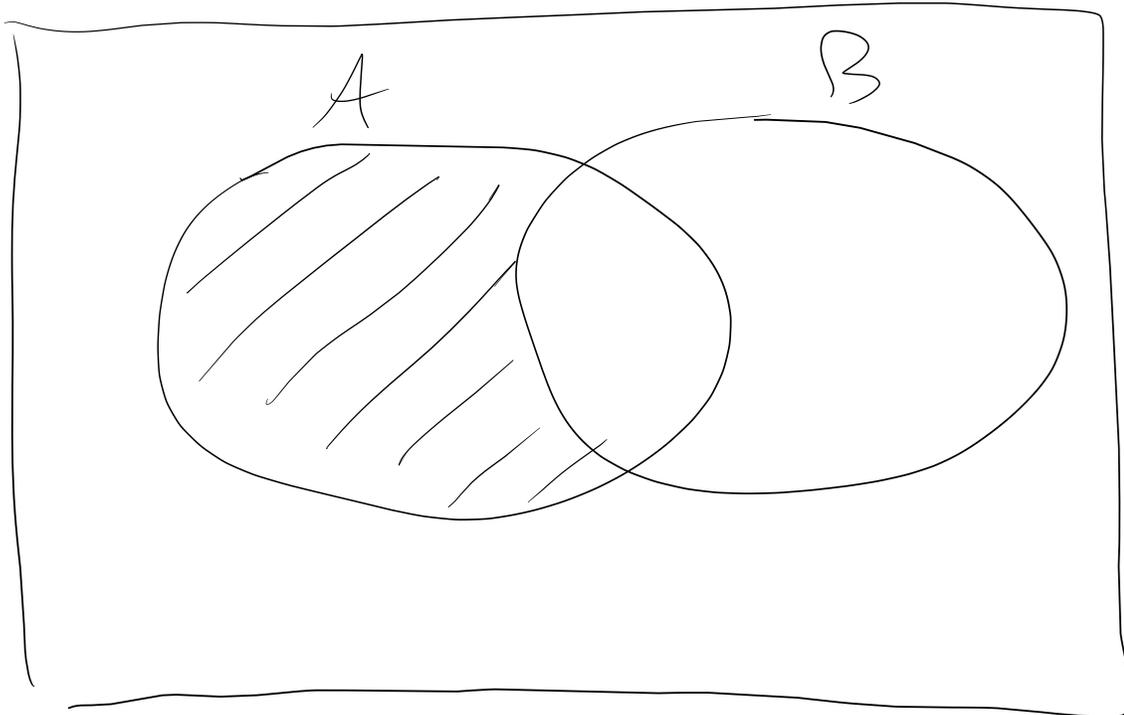


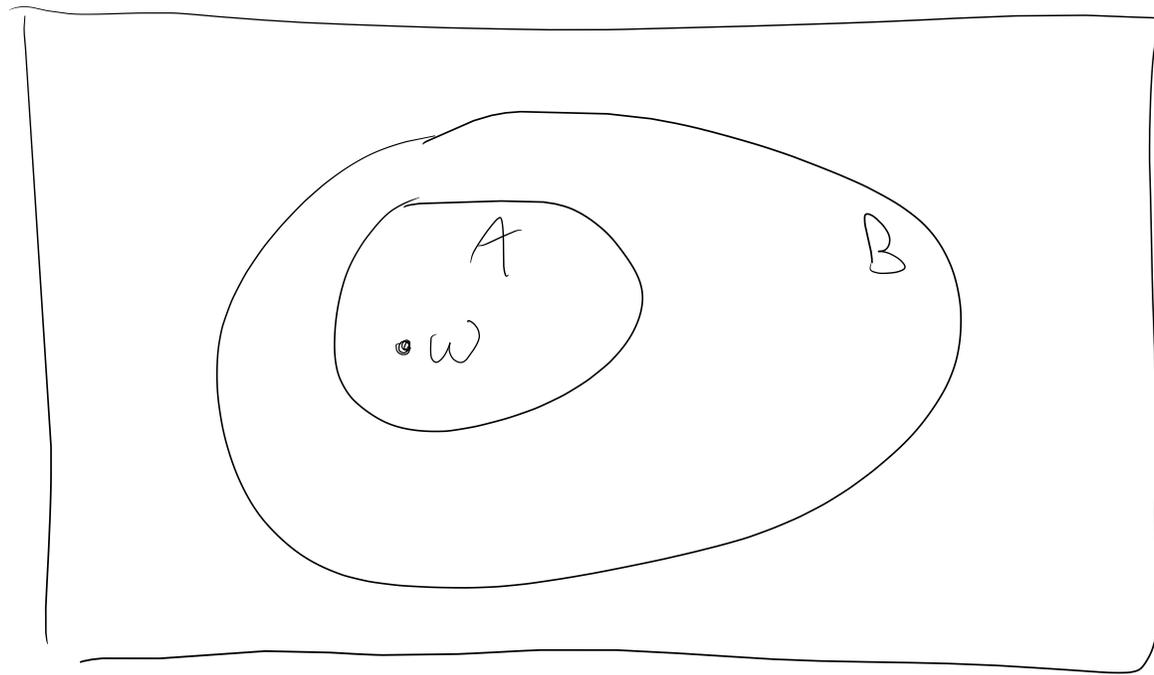
A	B	$A \cup B$
V	V	V
V	F	V
F	V	V
F	F	F



A	B	$A \cap B$
V	V	V
V	F	F
F	V	F
F	F	F

$$A - B = A \cap \bar{B}$$

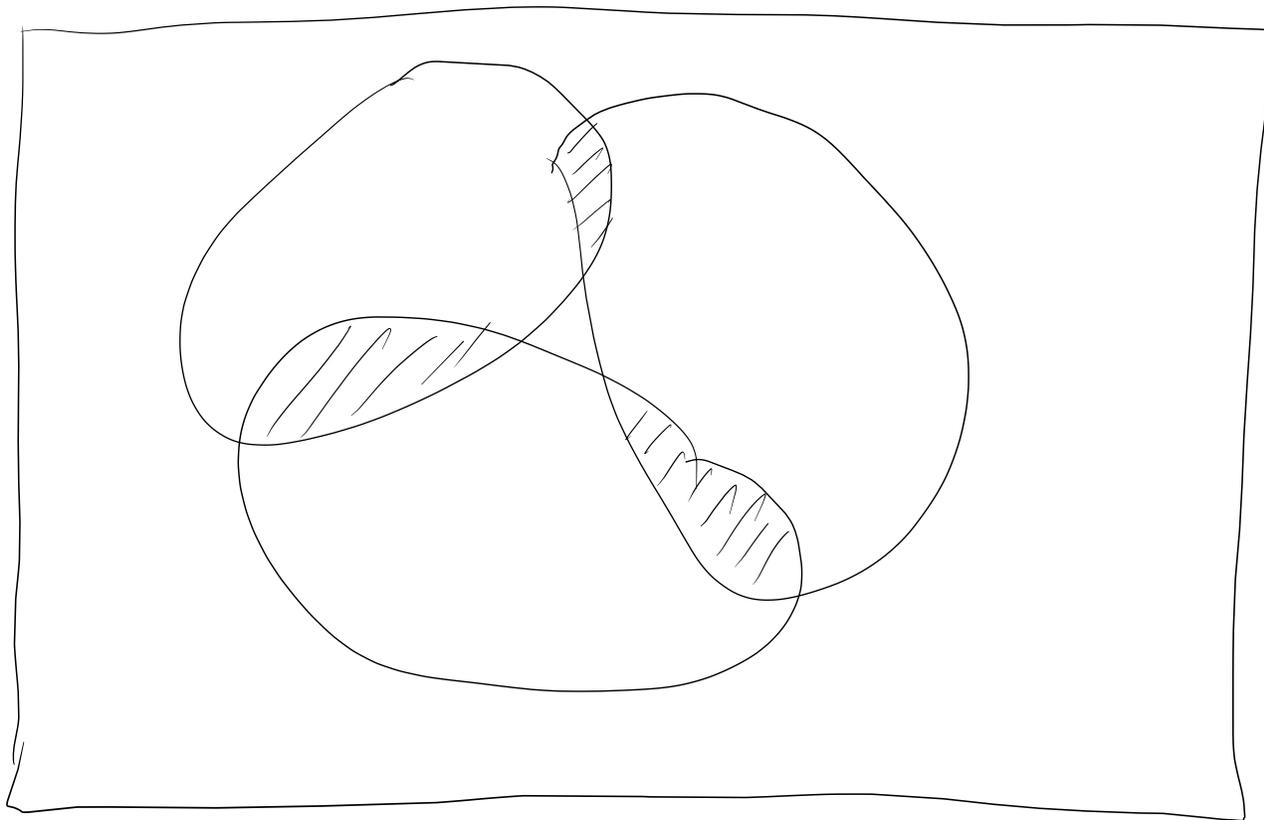




$A \subset B$

$\{2\} \subset \{2, 4, 6\}$

$\{2\} \subset \{2, 4, 6\}$



$\{1\}$   $\{2\}$   $\{3\}$

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

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

$$\Omega = \{T, C\}$$

$$\begin{array}{c} \left\{ \begin{array}{cc} 0 & 1 \\ \downarrow & \downarrow \\ T & C \end{array} \right\} \end{array}$$

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LANCIO DI DUE MONETE

$$\Omega = \{T, C\}$$

$$\Omega^2 = \Omega \times \Omega = \left\{ (T, T), (T, C), (C, T), (C, C) \right\}$$

TT, TC, CT, CC

LANCIO DI  $n$  MONETE

$$\Omega^n = \{T, C\}^n = \left\{ \underbrace{TTT \dots T}_{n \text{ volte}}, TT T \dots TC, \dots, CCC \dots C \right\}$$

$$\underbrace{\Omega_1}_{m_1} \times \underbrace{\Omega_2}_{m_2} \times \dots \times \underbrace{\Omega_n}_{m_n} \rightarrow \text{HA } m_1 \cdot m_2 \cdot \dots \cdot m_n \text{ POSSIBILI RISULTATI}$$

LANCIO DI  $\infty$  MONETE

$$\{L_1 L_2 L_3 \dots L_n \dots\} \quad \{L_i = T \text{ o } L_i = C, i = 1, 2, \dots\}$$



LANCIO DI UN DADO SEGUITO DA LANCI DI  
UNA MONETA PARI AL ESITO DEL DADO

$$\Omega = \left\{ \begin{array}{l} (1, L_1), \\ (2, L_1, L_2), \\ (3, L_1, L_2, L_3), \\ \vdots \\ (6, L_1, L_2, \dots, L_6) \end{array} \right.$$

$$\left. \begin{array}{l} L_i = T \text{ o } L_i = C \end{array} \right\}$$

$$2 + 2^2 + \dots + 2^6 \text{ ELEMENTI}$$

PARTITA DI CALCIO

$$\Omega = \{1, x, z\}$$

$$\Omega = \{(l_1, l_2) \mid l_1, l_2 \in \mathbb{N}\}$$

$$\Omega = \{(t_1, t_2, l_1, l_2) \mid t_1, t_2, l_1, l_2 \in \mathbb{N} \\ t_1 \leq l_1, t_2 \leq l_2\}$$

PREZZO DI UNA/M AZIONI

$$\Omega = [0, +\infty)$$

$$\Omega^n = [0, +\infty)^n$$

N. DI MINISTRI CON  $n$  CONTRATTI

$$\underbrace{\{0, 1, 2, \dots\}}_N^n$$