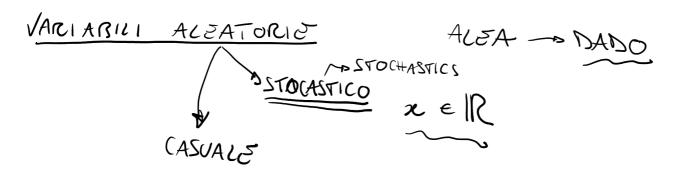
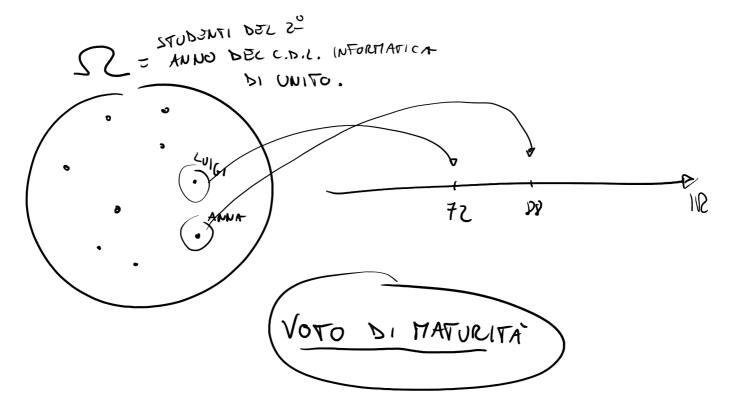
EVENTI 
$$(R, P(R), P)$$

$$P(A) A \in P(R).$$



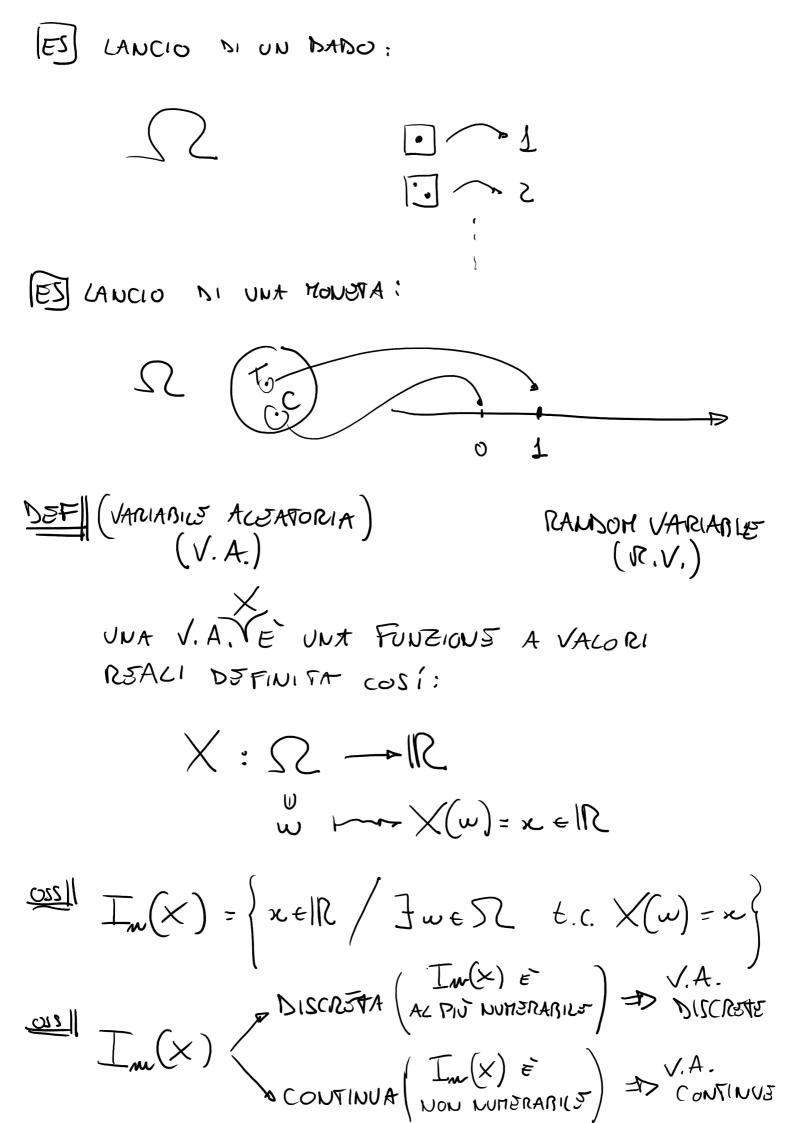


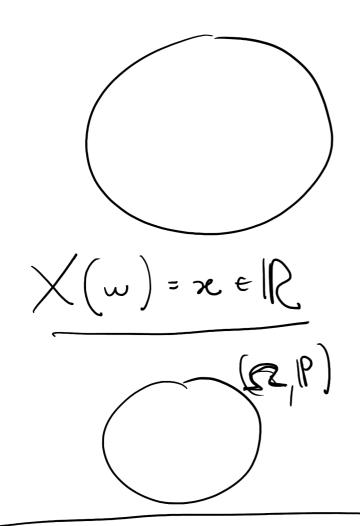
STO BEFINENDO UNT FUNCIONE

(ES) CANCIO S VOLTE UNA MONETA EQUA.
SOND INTERESSATO AL "Nº BI TESTE"

$$\int C = \left\{ w = (w_1, w_2, w_3, w_4, w_5), w_i \in [T, C], i=1,..., s \right\}$$

$$w' = (T, T, T, C, C)$$





V.A. DISCRETE

$$X: \Omega \longrightarrow \mathbb{R}$$

$$\times \left( \left\{ \left( \tau, \tau, \varsigma \varphi \right) \right\} \right) = 2$$

P UNIFORMS.

A = "0473000 2 T3573"

$$A = \left\{ \left( T_{i}T_{i}ccc\right), \left( T_{i}C_{i}T_{i}C_{i}C_{i}\right), - - \right\}$$

#12=32

$$(T,T,C,C,C)$$

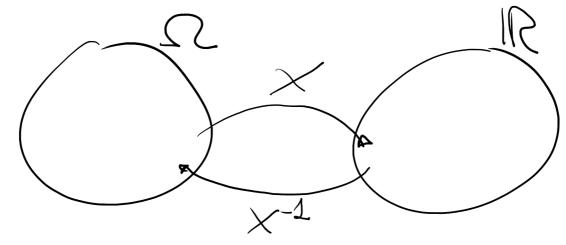
$$X = Z$$

$$\begin{cases} x = (w) \times (w) = z \end{cases}$$

CONTRO-IMMAGNUE
ARSIEVUI EUROAMMI
DI {z} = IR

$$P(A) = \frac{\#A}{\#S} = \frac{\#X^{-1}(z)}{\#S}$$

$$P(\{\omega \in S \mid X(\omega) = z\}) = P(X = z)$$
NOTARIONE



$$P(A) = P(X^{-1}(z))$$

$$S = X^{-1}\left(\left\{0,1,2\right\}\right)$$

$$0002 \text{ ouo} \text{ 512G-100} \text{ 1.7}$$

Z E UNX FUNZIONE

E QUINDI

$$\times^{-1}(0)$$
,  $\times^{-1}(1)$ ,  $\times^{-1}(2)$ 

JONO DIZCIONTI

$$|P(B) = |P(x^{-1}(\langle 0,1,2 \rangle)) = |P(x^{-1}(0)) + |P(x^{-1}(1))|$$

$$|P(X < 3)) = |P(X = 0) + |P(X = 1)|$$

$$|P(X < 3)) + |P(X = 2)|$$

DEF (FUNZIONE DI MASSA DI PROB.)
(PROBABILITY MASS FUNCTION - PMF)

CA PMF DI X E DEFINITA COSÍ:

DENSITA

DISCRETA

 $I_{m}(\times) = \{1, 2, 3, 4, 5, 6\}$ 

- "CONTA IL Nº PACLINI E
AGGIUNGE U.1"

$$I_{m}(\gamma) = \{1.1, 2.1, 3.1, 4.1, 5.1, 6.1\}$$

$$K \in I_{m}(\gamma)$$

ES LANCIO S VOLTE UNA MONETA EQUA.

CONTO IL Nº DI TESTE.

DETERMINARE LA PMF DI X = "U° DI

(2) the Im(X) BETERNINO PX(K).

$$P((c,c,c,c,c)) = P((w \in SZ/X(w) = 0))$$

$$= P(((c,c,c,c,c))) = \frac{1}{32}$$

$$K=z$$

$$P_{X}(z)=P(X=z)=P(\{w\in SZ/X(w)=z\})$$

$$=\frac{(z)}{3Z}$$

$$\frac{1}{2} \frac{1}{2} \frac{1$$

$$\{x=x\} = X^{-A}(x)$$
 $CS$ 

$$\bigcup_{\kappa \in \underline{T}_{\kappa}(x)} \times \overline{T}_{\kappa}(x) = \sum_{\kappa \in \underline{T}_{\kappa}(x)} x$$

$$\times^{-1}(\kappa) \wedge \times^{-1}(h) = \overline{\rho}$$
 $\times^{-1}(\kappa) \wedge \times^{-1}(h) = \overline{\rho}$ 
 $\times^{-1}(\kappa) \wedge \times^{-1}(h) = \overline{\rho}$ 

HO IN PRATICA DEFINITO UNA PARTIZIONE DI SC INBOTTA DA X

A 
$$\subseteq$$
  $\subseteq$ 

$$P(A) = P(A \land \bigcup_{\kappa \in T_{m}(x)} x^{-1}(\kappa))$$

$$= P(\bigcup_{\kappa \in T_{m}(x)} x^{-1}(\kappa))$$

$$= P(X = K)$$

$$= P(X = K)$$