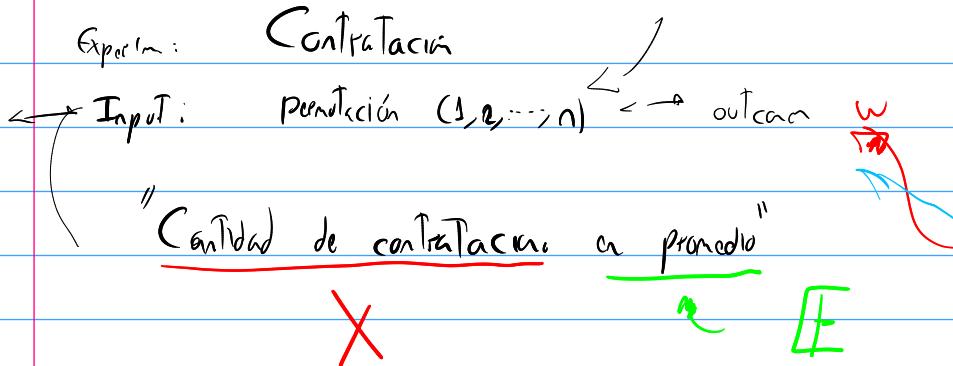


Experiencia: Contratación



- $X$ : Cantidad de contrataciones de una permutación

$$X(1423) = 2$$

$$X(1234) = 4$$

$$X(2143) = 2$$

$$X(4123) = 1$$

$$E[X] = \sum_{a=1}^n a P(X=a)$$

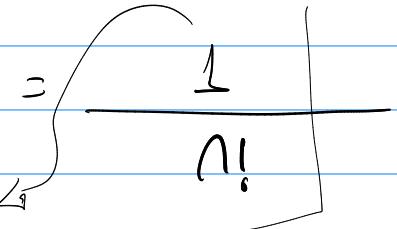
$$\begin{aligned} & \rightarrow P(X=1) \\ & \rightarrow P(X=n) \end{aligned}$$

Im( $X$ )

$$P(X=n) = P(\text{"Contraten } n \text{ personas"})$$

$$= P(\text{En cada dia hay una contratacio})$$

$$a_1 < a_2 < a_3 < a_4 < \dots < a_n$$



$$X_i: \# \text{ contratos en dia } i \iff X_i \in \{0, 1\}$$

$$X = \sum_{i=1}^n X_i \rightarrow E(X) = \sum_{i=1}^n E(X_i)$$

$$E(X_i) = \sum_{a=0}^1 a P(X_i=a) = P(X_i=1)$$

$\rightarrow P(\text{"Contrato el dia } i\text{"})$