Camilo Organizado
Timido
Metialoso Qué es mas probable. Bibliotecario branjero P(B) (A) P(A|B) =P(B)Bibliote Kuri os Grajeros P (Organzado | BIS/10/4iavio) = $\frac{P}{P}$ (A \cap B) P(A1B) = P(A, D)P (10 1) P(B) P(A,B) <] P(B)

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P(A)B) = P(B)A) P(A) Teorema Je
P(B) Bayes Prior
P(Bibli | Organizado) = P(Bibliotecario)
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Write a function that receives P(X|Y) and P(Y) and returns P(X)

$$P(x|y) = \frac{P(y|x)P(x)}{P(y)}$$

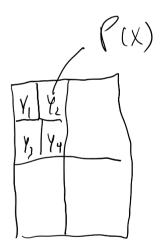
$$P(x) P(y|x) = P(x|y) P(y)$$

$$= P(x) P(y|x) = P(x|y) P(y)$$

$$= P(x) P(y|x) = P(x|y) P(y)$$

$$P(x)$$
 $\sum_{Y_i} P(Y|X) = \sum_{Y_i} P(X|Y) P(Y)$

$$P(x) = \sum_{Y_i} P(x_{i}, Y_i) P(y_i)$$



Assume that X is a random variable that takes values in the set $\{0,1,\ldots,n-1\}$. Write a function that receives $P(X)$ and calc	ulates $E[X^2] - E[X]^2$