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The word will complete on three his action

P(B) = 0.6, P(A|B\*) = 0.85, P(A|B)=0.85

TO(A)  $P(A) = P(A \cap B^c) = 0 \text{ BS}, P(A \setminus B^c)$   $P(A) = P(A \cap B^c) \cup (A \cap B^c)$   $= \frac{32}{2} + (A \cap B) \cup (A \cap B)$   $= \frac{32}{2} + (A \cap B) \cup (A \cap B)$   $= \frac{32}{2} + (A \cap B) \cup (A \cap B)$   $= \frac{32}{2} + (A \cap B) \cup (A \cap B)$   $= \frac{32}{2} + (A \cap B) \cup (A \cap B)$   $= \frac{32}{2} + (A \cap B) \cup (A \cap B)$   $= \frac{32}{2} + (A \cap B) \cup (A \cap B)$   $= \frac{32}{2} + (A \cap B) \cup (A \cap B)$   $= \frac{32}{2} + (A \cap B) \cup (A \cap B)$   $= \frac{32}{2} + (A \cap B) \cup (A \cap B)$   $= \frac{32}{2} + (A \cap B) \cup (A \cap B)$   $= \frac{32}{2} + (A \cap B) \cup (A \cap B)$   $= \frac{32}{2} + (A \cap B) \cup (A \cap B)$   $= \frac{32}{2} + (A \cap B) \cup (A \cap B)$   $= \frac{32}{2} + (A \cap B)$   $= \frac{$ December 100 position of parties of the position of the positi Rule of total probability: Kill of their presenting:  $\frac{1}{2}$  there are overthe  $E_1,E_2,\dots E_n$  which position of a homeful space of an emission position  $\frac{1}{2}$  to  $\frac{1}{2}$  to  $\frac{1}{2}$  to  $\frac{1}{2}$  pc. (Fig. 2)  $\frac{1}{2}$  pc. ( Postition of a cat: Let S he a det I'm

Ai - v the conditions a postition of S if

Ai \( \) Ai (1 \) Ai = \( \) and \( \) Ai = S Prob. Let UT kep part care from throne partial agencies? Let present ag throne IT kep part care from throne text care from Agency 2. See the support of the care from Agency 2. See the support of the care from Agency 2 must be a support of the care from Agency 2 must be a support of the care from Agency 2 must be all change 1. See the support of the care from Agency 2 must be a support of the s  $\begin{array}{ll}
P(A \mid B_0) = 0.093 & P(M \mid B_0) \\
P(A) & = P(B_0) P(A \mid B_0) & P(A \mid B_0) \\
& + P(B_0) P(A \mid B_0) & P(A \mid B_0) \\
& = + 44
\end{array}$ B aged Treasure.

If B, B, B, E form a function of a domptic deprece of and PCR1 be o, (cic a domptic deprece of a PCHE) A Proc. In the Agency problem: tout the newfold or mis each of all dange of come from Agency 2? Roundon somethic: real
Objective: Associate meading with
Positive and funded that decimal
words formerly the national meads which
Explain the sounds from the national which
Correspond to the continuery comple parties. y X: 5 → IR EXP. S = & BIT3 X:5→ 1R x(H) = 2 | x(H)=0 x(T)=1 | x(T)=1 Remarks sortified at  $\{f, g, g\}$  the standard sortified  $\{f, g\}$  the standard sortified  $\{g, g\}$  to the standard sortified  $\{g, g\}$  the standard sortified  $\{g, g\}$  to the standard sortified → If (2=5), X:5 → 12 Jos the provisus example,
" X = 5" Correpords to be event \$ (1.4), (4.1), (2.1),
" X = 5" Correpords to be event \$ (1.4), (4.1), (2.1), " X = 9' corresponds to the want & (3,6), (4,5), (5,4), (6,2) } " X = 0" Corresponde to the sout \$\overline{\Pi}\$ If the random vertible is a construct faultien, for comple  $X:S \to \mathbb{R}$  is defined as  $X(S) = \mathbb{R}$  to  $X(S) = \mathbb{R}$  to X(SThen for any a ER, X=a compade to the event \$ gating The dijective of defining a mileon variable in to explain the events in forms of the real valued function. Next & How to And P(X=0)? or has

P(x=2)=f(x) diction function of one