

(1) Find $P(A|B=F, E=F)$ & $P(D \cap S=T|A)$

x356+577

$$\textcircled{1} P(A|B=F, E=F) = 0.001 \text{ (given by graph)}$$

$$\textcircled{2} P(D \cap S=T|A=T) = P(D=T|A=T) \cdot P(S=T|A=T)$$

$$= 0.91 \cdot 0.75$$

$$= 0.6825$$

$$\textcircled{1} \cdot \textcircled{2} = 0.001 \cdot 0.6825$$

$$= 0.000683 \Rightarrow A$$