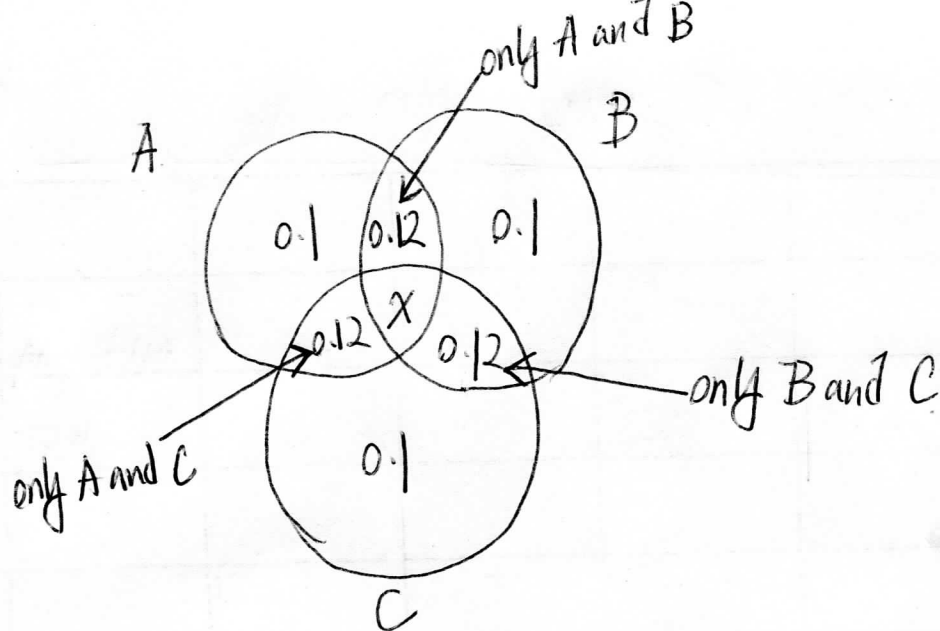


B)



$$1 - 3 \times 0.1 - 3 \times 0.12 = 0.34$$

$$P(A|B) = \frac{P(A \cap B)}{P(B)}$$

$$Pr(A \cap B \cap C | A \cap B) = \frac{1}{3} = \frac{X}{0.12 + X} \Rightarrow X = 0.06$$

$$Y = 0.28$$

$$Pr(\text{none} | A^c) = \frac{Y}{1 - Pr(A)} = \frac{0.28}{1 - 0.1 - 2 \times 0.12 - 0.06}$$

$$= \frac{0.28}{0.6} = 0.46$$