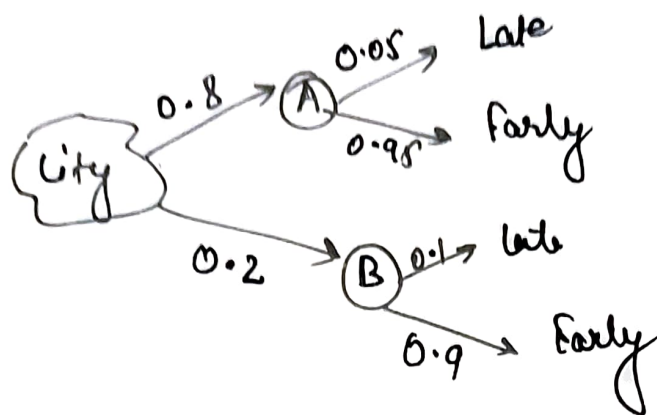


Q5



$$P(A|L) = \frac{P(L|A) \cdot P(A)}{P(\cancel{A}) \cdot P(L|A) + P(B) \cdot P(L|B)}$$

$$= \frac{0.05 \times 0.8}{0.8 \times 0.05 + 0.2 \times 0.1}$$

$$= \underline{\underline{0.666}}$$