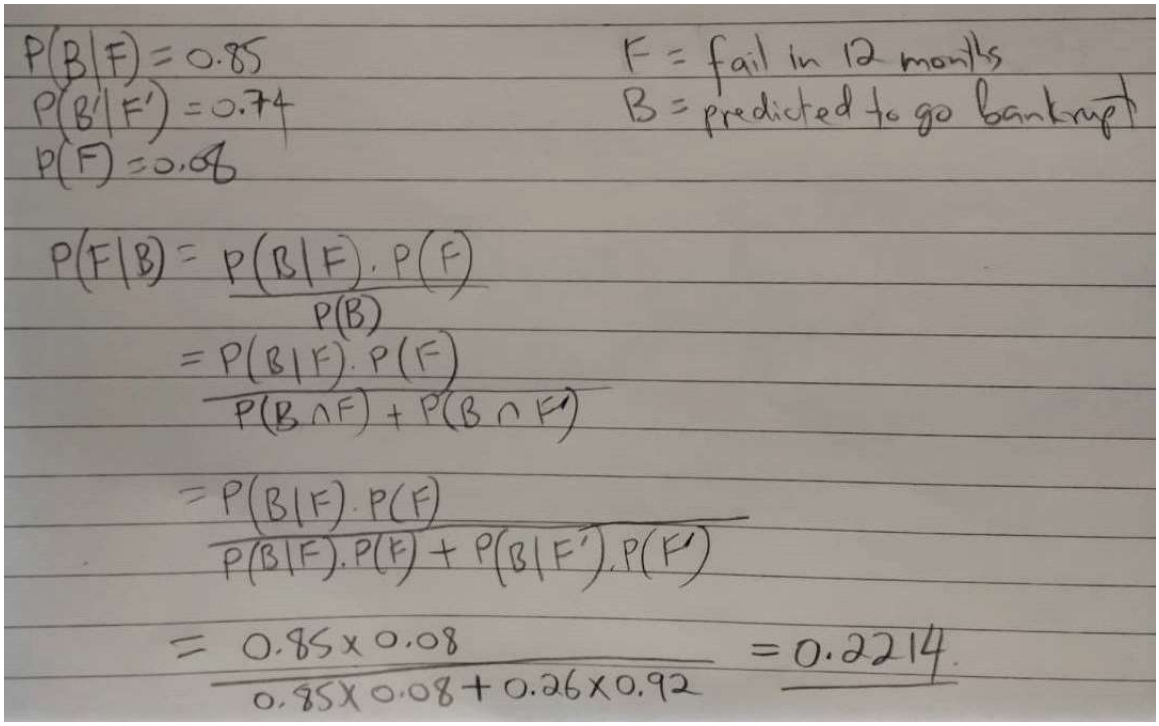
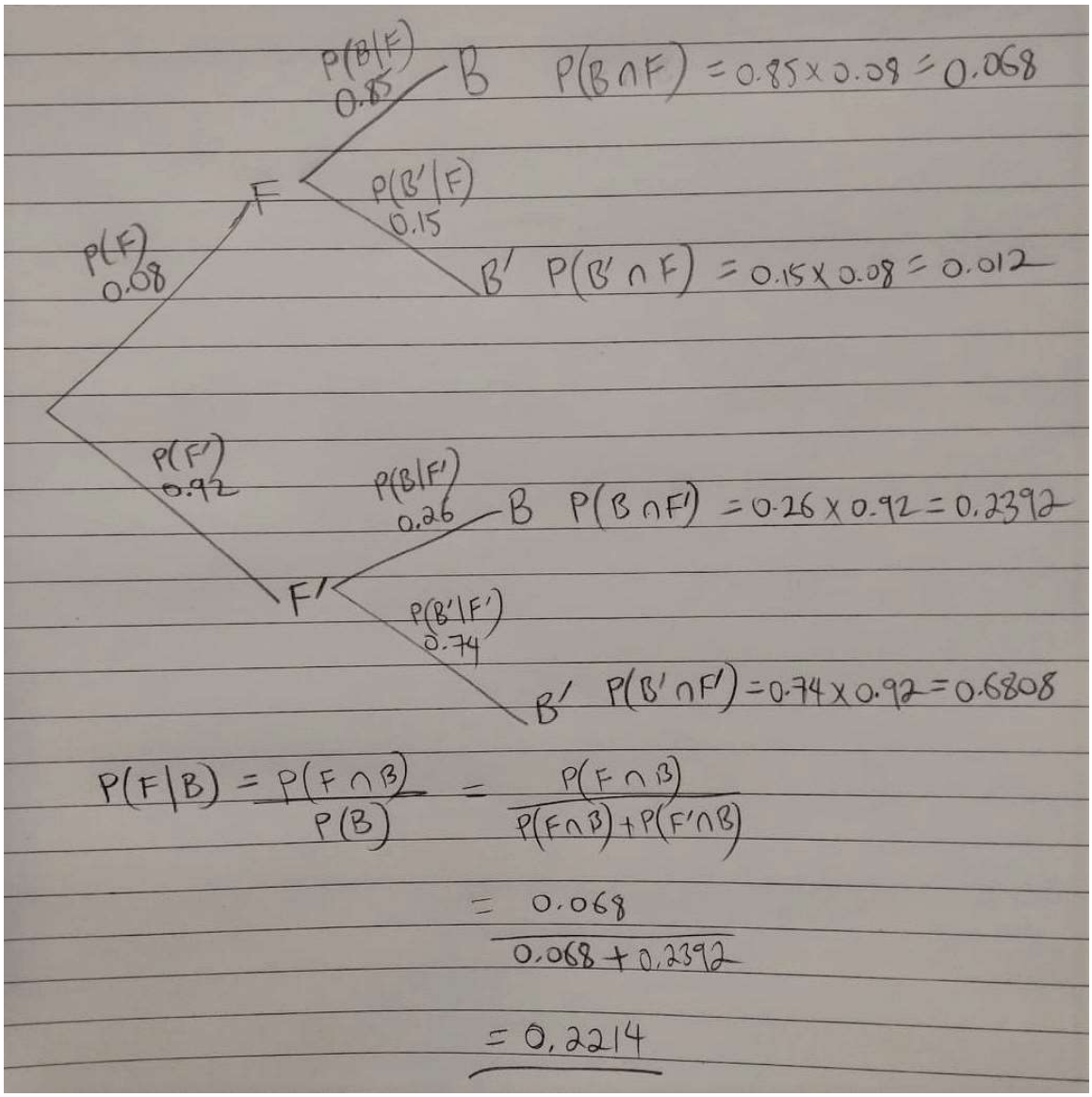
## Calculations for Question 3






$$P(F|B) = \frac{P(F \cap B)}{P(B)} = \frac{P(F \cap B)}{P(F \cap B) + P(F' \cap B)}$$

$$= \frac{0.068}{0.068 + 0.2392}$$

$$= 0.2214$$