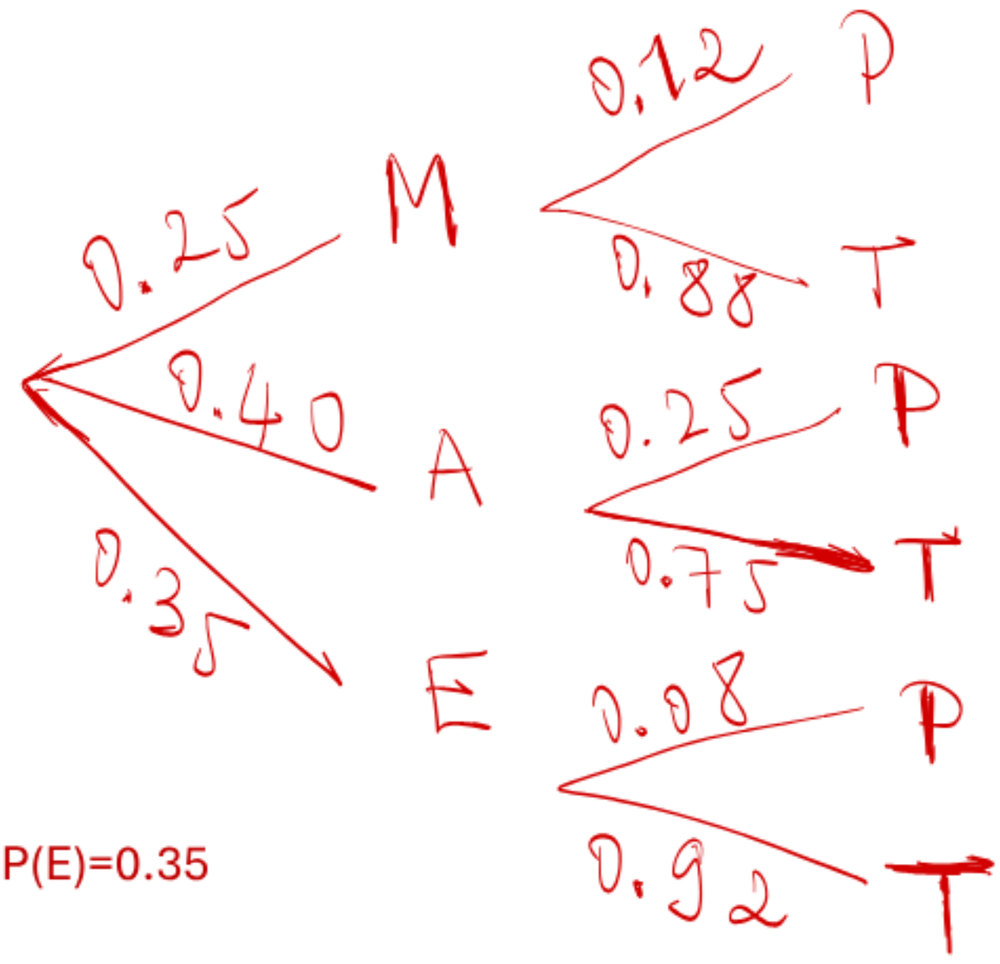
Question 11

a)

Solution: Let's define the following events:

- M: student is in the morning section
- A: student is in the afternoon section
- E: student is in the evening section
- P: student uses a printed textbook
- T: student uses an e-textbook



Let's assign the probabilities: P(M)=0.25, P(A)=0.40, P(E)=0.35

The conditional probabilities are:

- P(P|M) = 0.12 and P(T|M) = 1-0.12 = 0.88
- P(P|A) = 1 - 0.75 = 0.25 and P(T|A) = 0.75
- P(P|E) = 0.08 and P(T|E) = 1-0.08 = 0.92