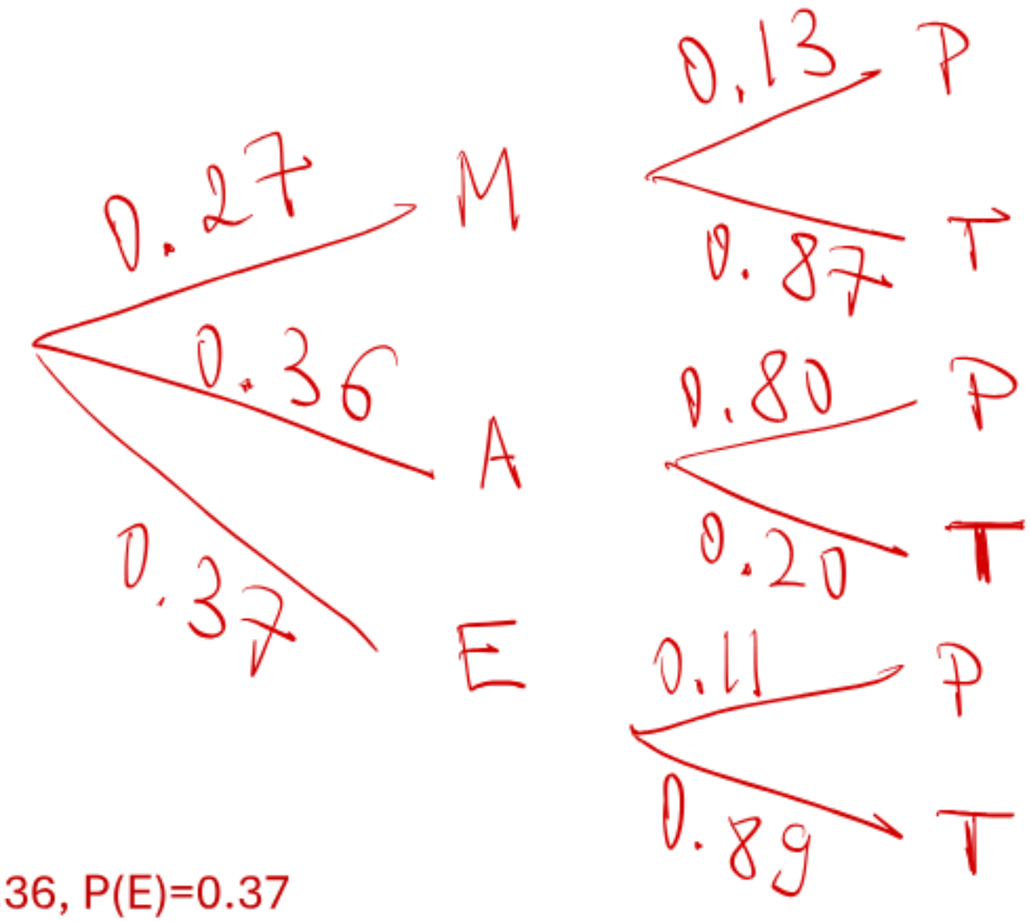
Question 11

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)=0.27, P(A)=0.36, P(E)=0.37

The conditional probabilities are:

- P(T|M) = 0.87 and P(P|M) = 1-0.87 = 0.13
- P(T|A) = 1 – 0.80 = 0.20 and P(P|A) = 0.80
- P(T|E) = 1-0.11 = 0.89 and P(P|E) = 0.11