Here are the questions from [3.3 Conditional independencies in state space models - Quiz]

1. The markov property simplifies the structure of our filtering problem and means that we only need to store the posterior distribution of the current state in each recursion?

Optional Answers:

1. true
2. false

2. Can you find arguments for why it Is resonable that the current measurement is conditionally independent of the state at all other time instances if we condition on the current state?

Optional Answers:

Thank You