

Lecture 6

January 28, 2015

1. Try 2.4.53
2. Try 2.4.55. Hint:
 - From $0.1 = P(A \cap B)/P(A \cup B)$, explain why $P(A \cap B) = 0.10(0.10 + 0.16 - P(A \cap B))$
 - Find $P(A \cap B)$ from the identity above and then find $P(A|B)$.
3. Try 2.4.56
4. Try 2.4.59
5. Try 2.4.63. Hint: when you construct the tree, each node has two branches: the event and its complement. The tree extends three steps corresponding to A, B, C .
6. Try 2.4.65