

1. \_
  - a. At node 1 the terminal payoff is -4. (dd) is at a depth of 4
  - b. Node 2 is (be) and its children because peer was (de). Evaders turn now and only move is (be)
  - c. Yes because the payoff at (de) is -4 and node 2 is (be) that move cannot be optimal for the pursuer given figure (a). Because of this we can conclude the payoff is less for the right child.
  - d. No because the right child has a value less than -4 so its successors below the right child would not be looked at
2. \_
  - a. True
  - b. True
  - c. True
  - d. True
- 3.

