

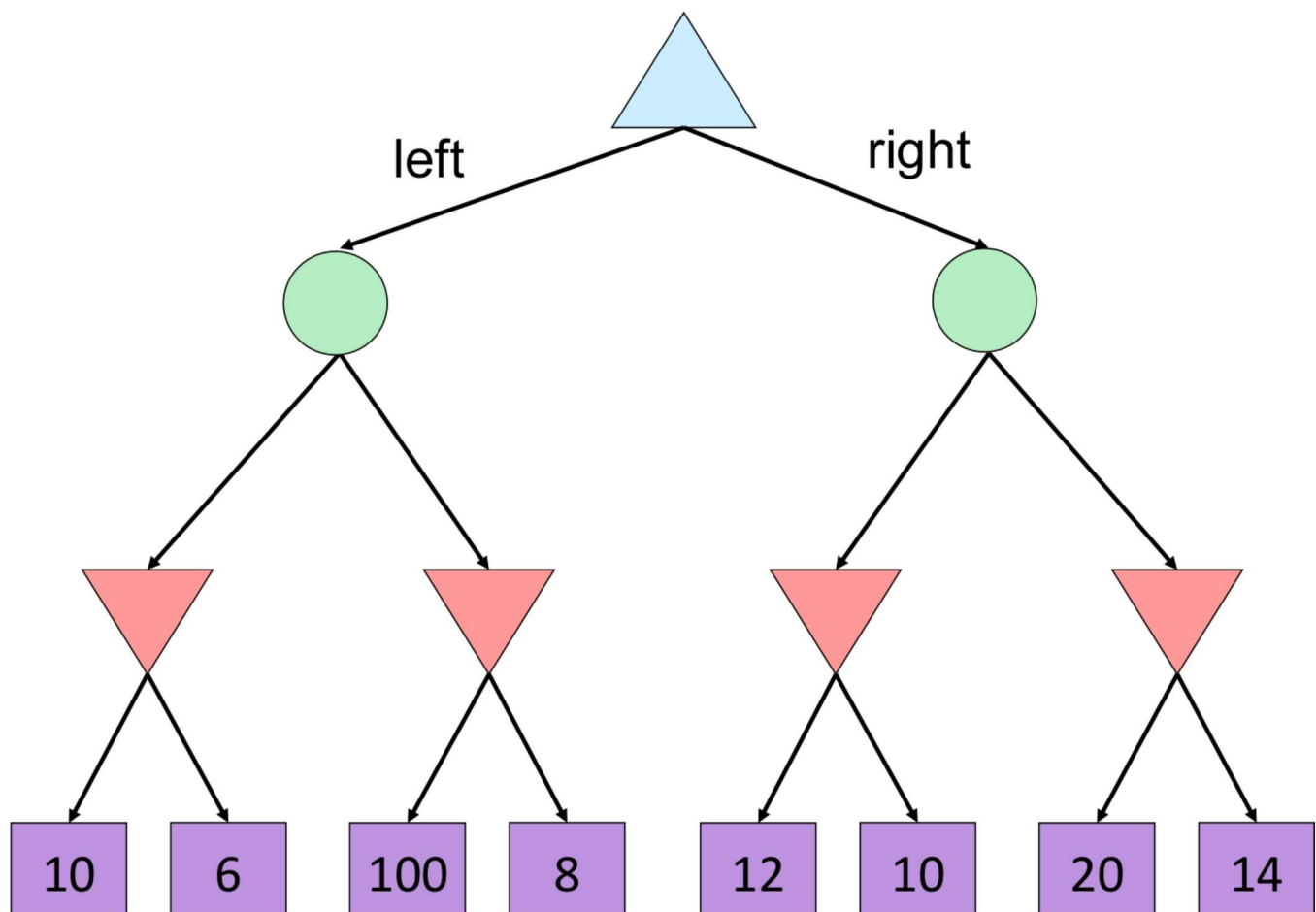
Quiz 3: Other Games

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4/4 points (ungraded)

Part 1

Consider the mixed layers game below, which has a maximizer playing first, followed by a chance node (assume each outcome at a chance node is equally likely), followed by a minimizer.



What is the value of the game?

12



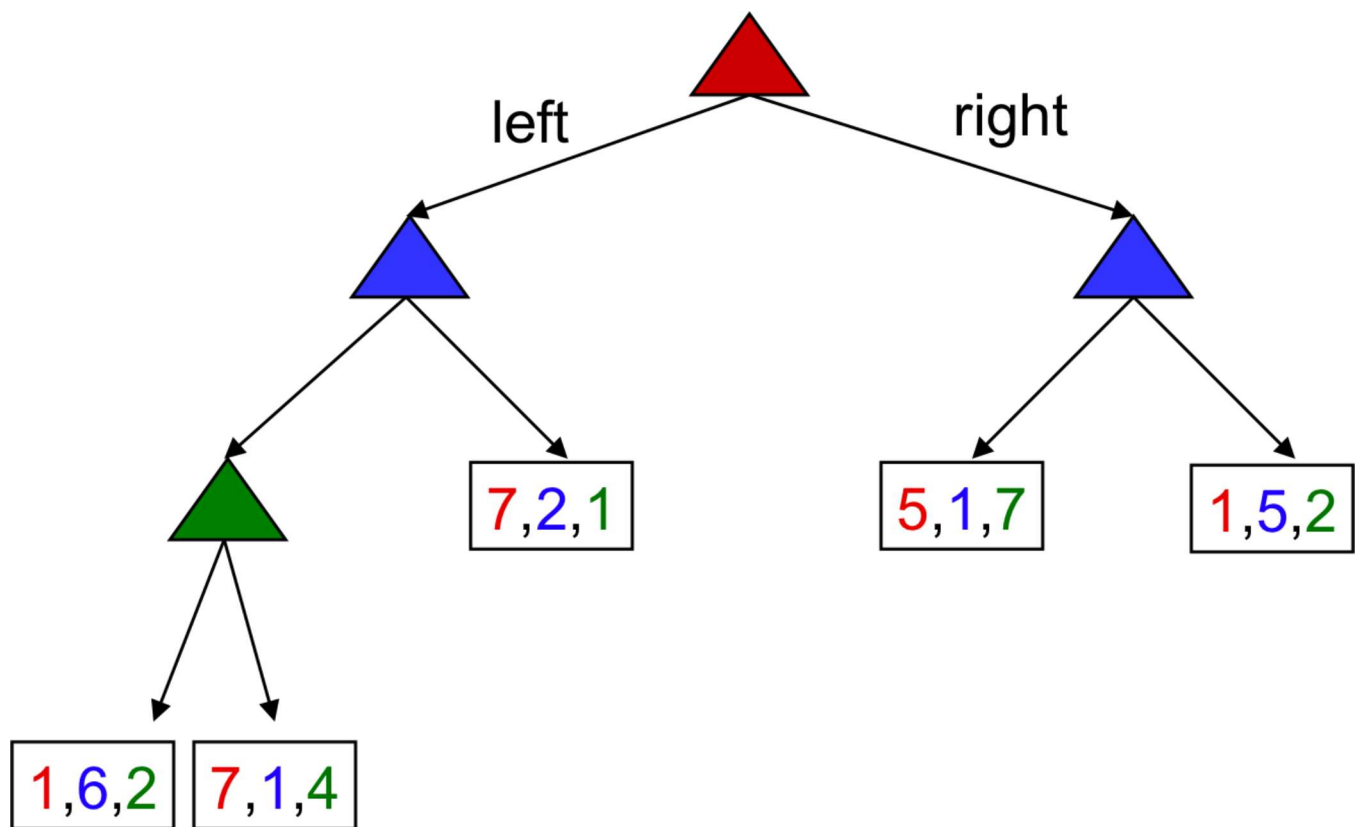
Which action is optimal for the maximizer?

☐ Left

☒ Right ✓

Part 2

Consider the 3 player game shown below. In each outcome node, there are three utility values, one for each of the players, with the first value being the utility for the first (red) player, the middle value being the utility for the second (blue) player, and the last value being the utility for the last (green) player.



What will be the outcome of the game?

☐ (1, 6, 2)

☐ (7, 1, 4)

☒ (7, 2, 1) ✓

☐ (5, 1, 7)

☐ (1, 5, 2)

Which action will the first player choose?

☒ Left ✓

☐ Right

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✓ Correct (4/4 points)