Alice and Bob are out for coffee, and they decide to play a game. They take all of the coins they have and lay them in a row on the table. There is an even number of coins and they are a mix of pennies, nickles, dimes, quarters, half dollars and dollars. Alice and Bob take turns picking a coin from either end of the row and keep it in a pile next to them. Prove that if Alice goes first, she always has a strategy to have at least as much money as Bob after all of the coins have been taken.