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Problem 1

Remove two cards from the bag.

Compare the values.

Discard the smaller value.

Remove another card and repeat comparison and discard. Do this repeatedly until all cards have been removed.

The largest value left at the end is the largest in the set.

Problem 2

Given a value of money, first divide by 25 and record the result of the division as the number of quarters.

Take the remainder from the above division and divide by 10 and record the result of the division as the number of dimes.

Take the remainder from the above division and divide by 5 and record the result of the division as the number of nickels.

The remainder from the above division is the number of pennies.

You now have the number of each coin to dispense.