Binary Search Algorithm

1. Find the middle value of the list of cards.
2. If the query card is greater than the middle value, it must be in the first half of the decreasing cards. Create a list only containing the cards in the first half.
3. If the query card is equal to the middle value, we have found the randomly selected card.
4. If the query card is less than the middle value, it must be in the second half of the decreasing cards. Create a list only containing the cards in the second half.
5. If the length of the list of cards is 0, return Nones
6. Repeat this process until the query card is found.