

Array Processing and Two Examples – Part III

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Objectives

- To apply arrays in application development
(AnalyzeNumbers, DeckOfCards) (§§7.3–7.4)

Problem. Analyze Numbers

- Read one hundred numbers, compute their average, and find out how many numbers are above the average

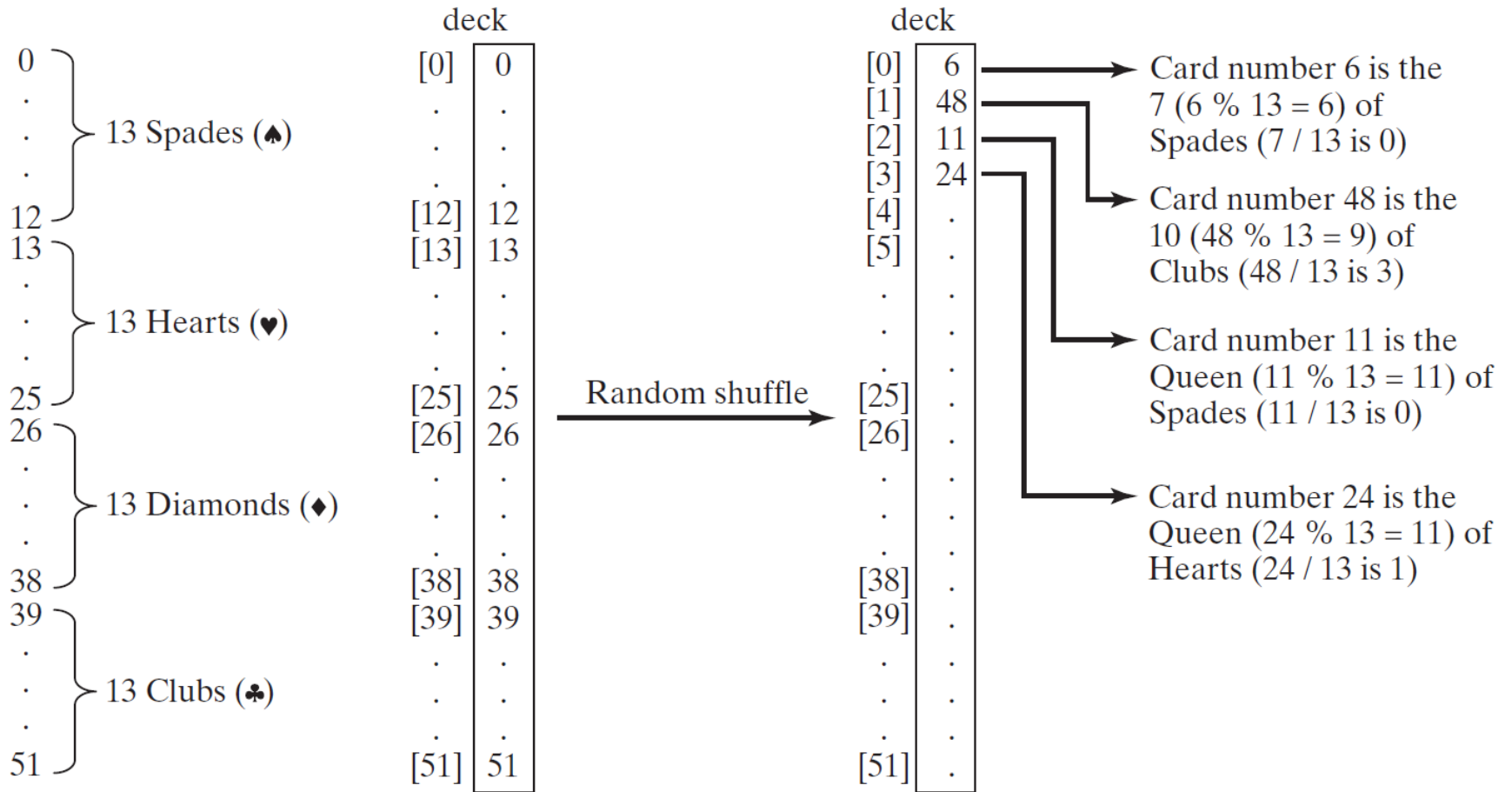
Questions?

Problem. Deck of Cards

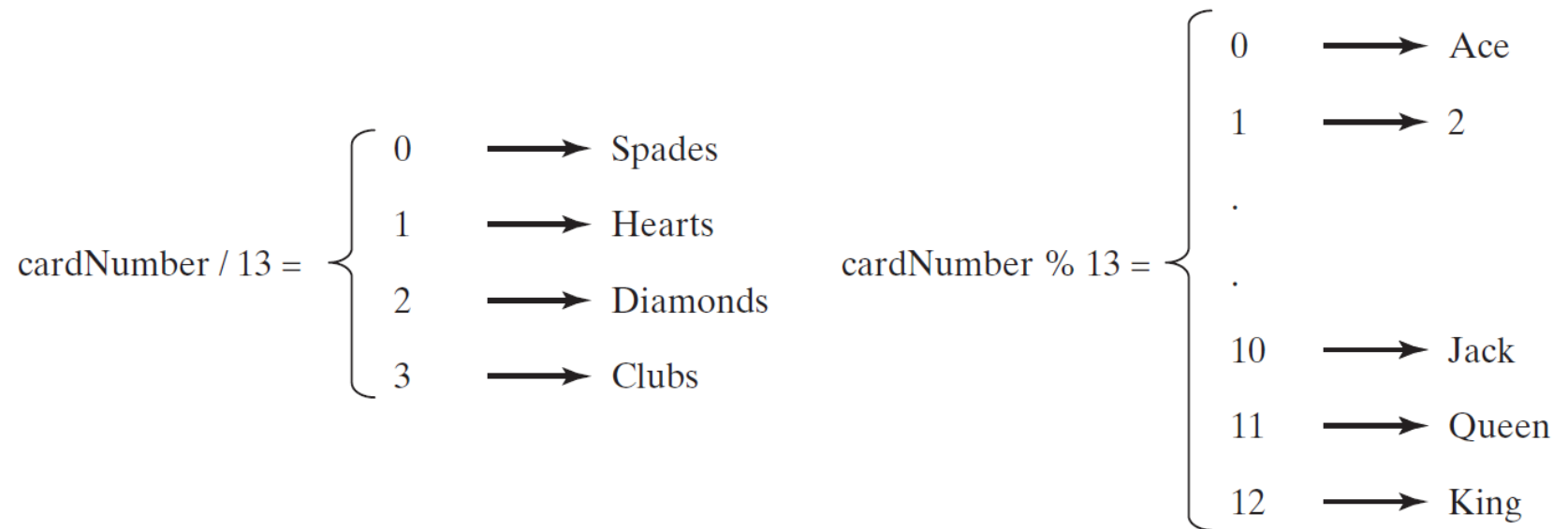
- The problem is to write a program that picks four cards randomly from a deck of 52 cards.
- All the cards can be represented using an array named `deck`, filled with initial values 0 to 51, as follows

```
int[] deck = new int[52];  
// Initialize cards  
for (int i = 0; i < deck.length; i++) {  
    deck[i] = i;  
}
```

Solution. Deck of Cards



Solution. Deck of Cards Continued



Questions?