

Exercise 1

The following exercises are due on **28.3.2012**

1. Assume that there are four players and a randomized poker card deck. Describe a way to sort the deck using the efforts of all four player in parallel.

The order within a colour is Ace - King - Queen - Knave- 10 -9 - 8 - 7- 6- 5- 4- 3- 2. The very first card in the sorted deck is the Ace of Clubs, the next ones are the King of Clubs, the Queen of Clubs, the Jack of Clubs, the 10 of Clubs ... down to the 2 of Clubs. The next card is Ace of Spades, followed by the King of Spades etc. The hearts and diamonds cards follow in the same order.

2. Again four players but the order of the sorted deck should be: Ace of Clubs, Ace of Spades, Ace of Hearts, Ace of Diamonds, King of Clubs, King of Spades, etc.