

Two sequence based card tricks.

October 1, 2011

Sequences and Card Tricks

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- 4 *Have someone choose a card from the top of one of the halves and look at it.*

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- 2 *Shuffle the deck three times (butterfly shuffle).*
- 3 *Cut the deck in "half"*
- 4 *Have someone choose a card from the top of one of the halves and look at it.*
- 5 *Place the card on the other half and put the half on top of it so the card he chose is somewhere in the middle.*

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- 1 *Take a 52 sorted deck of cards.*
- 2 *Shuffle the deck three times (butterfly shuffle).*
- 3 *Cut the deck in "half"*
- 4 *Have someone choose a card from the top of one of the halves and look at it.*
- 5 *Place the card on the other half and put the half on top of it so the card he chose is somewhere in the middle.*
- 6 *Now find the card!*

Example (Card trick No. 2)

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① *Pre-arrange the cards*

$A_{\clubsuit}, 2_{\clubsuit}, \dots, 8_{\clubsuit}, A_{\diamond}, \dots, 8_{\diamond}, A_{\heartsuit}, \dots, 8_{\heartsuit}, A_{\spadesuit}, \dots, 8_{\spadesuit}$ as
discussed in class.

Example (Card trick No. 2)

- 1 *Pre-arrange the cards*
 $A_{\clubsuit}, 2_{\clubsuit}, \dots, 8_{\clubsuit}, A_{\diamond}, \dots, 8_{\diamond}, A_{\heartsuit}, \dots, 8_{\heartsuit}, A_{\spadesuit}, \dots, 8_{\spadesuit}$ as discussed in class.
- 2 *Have someone cut the deck anywhere he wants.*

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- 2 *Have someone cut the deck anywhere he wants.*
- 3 *Have him pick five consecutive cards and tell you their colors in order they were picked. For instance: **R B B R B**.*

Example (Card trick No. 2)

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- 2 *Have someone cut the deck anywhere he wants.*
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- 4 *Tell him what are the five cards!*

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- 2 *Have someone cut the deck anywhere he wants.*
- 3 *Have him pick five consecutive cards and tell you their colors in order they were picked. For instance: **R B B R B**.*
- 4 *Tell him what are the five cards!*
- 5 *Put the cards back and repeat the same “magic” again.*