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// APCS2 pd1
// HW05 -- Splittin' n Mergin'
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First, given a deck of cards, half (or close to half) will be given out.
Halves of the given deck by the person before will continue to be given out until people only have one card left.
From the smallest unit, each card is sorted, from smallest to the largest [2,A], including the order of the suits.
It is then given back to the person who gave it to them, and that person will sort the cards they have and the ones that you gave them by comparing each one of the given ones to the ones that they had.
This will continue until there is one deck that is sorted.

*assume that all cards do
not have suits for now

[A, 5, 9, 2, J, 4, 7, K]

[A, 5, 9, 2]   [J, 4, 7, K]

[A, 5]   [9, 2]   [J, 4]   [7, K]

[A]   [5] [9]   [2] [J]   [4] [7]   [K]

*orange arrows
are going back,
indicated by the
colored rectangles

[5, A]   [2, 9]   [4, J]   [7, K]

[2, 5, 9, A]   [4, 7, J, K]

[2, 4, 5, 7, 9, J, K, A]