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APCS2 pd1

HW04-- So Easy, Even a Caveturtle Can Do It

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Step by Step Process:

1. The first person who has the deck of cards has to split it in half and give one half to one person and the other half to another.
2. Then those two people split their deck in half and give to two other people. Remember who gave you the card(s).
3. Repeat step 2 until there are no cards left to give out and the people who do have cards only have one card, which is already sorted because one card by itself is sorted.
4. Starting from the people who most recently got their card (those who should only have 1 card right now), give it back to the person who gave you the card.
5. The people who just got cards from 2 people should sort the two cards in the order specified. The order for the suits from least to greatest is spades, hearts, clubs, and then diamonds. Ace is high in this case.
6. Now those people who just sorted the cards right then should return those cards to the people who gave them cards in the first place.
7. Repeat steps 5 and 6 until the deck reaches the original person who should now have 2 sorted halves of the starting deck.
8. That person can now make one sorted deck based on their two halves decks that are already sorted.