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APCS2 - pd 01

HW04 - So Easy, Even a Caveturtle Can Do It

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1. Everybody stands in a line.
2. Split the deck into two multiple times, until every person is holding only one card.
 - a. When splitting, the middle person will give it to the people in the middle on both sides of them and then that person will do the same.
3. The people at the ends of the line will compare with the person directly next to them. They will put their card in the correct position, using the “magic” algorithm.
 - a. Magic algorithm: you have 2 sorted lists. You look at the 1st values and then put the larger on the bottom and do that until you have completely merged them.
4. The middle person will now have 2 sorted decks. They will use the magic algorithm to merge it into one deck.