

My algorithm was straightforward as I ran out of time. Nevertheless, I got pretty close, but couldn't implement the ending. The playing algorithm it was a bit complicated. Initially I call for the human to bid. Depending on who wins the bid he or the computer gets to go first. The bidding system for the computer was as follows. Using the AI players hand of cards Sort all the cards of common suits into their separate integers that represent the card number in terms of lowest to highest 2 to Ace. Now getting that, you can declare what you want to bid on. Keeping a counter on the high cards we decide what to bid on. If we have more than 5 high cards we decide to bid a smudge. If we have 4 high cards we decide to bid 4. if we have 3 high cards we bid 2, else we pass the bid. Getting this we can now decide the Trump card for the AI. We sort this by the Suits that have the most is going to determine the trump card suit. After that we take that and array of trump and get sort by the highest trump card. Therefore, the Ai should have a good chance of winning. After that we return, and the other players begin playing. This is for the trump card declaration. Now to play the cards for the AI. We simply take note of the trump card. Now sort every card that is a trump into an array. After you do that, sort it by the highest number. Return that value, set everything in the data fields.