

Texas Hold'em Problems

We will assume that the only options for betting a player has are:

- Fold
- Check
- Raise half the post.
- Raise the post.
- Raise $3/2$ of the post.
- Raise 2 times the post.
- All In!

Write the following programs.

1. Given two cards rate how good they are by returning any of the options above. YOU make up a rating system, though you can use the table in the slides for guidance.
2. Given your two cards, and three cards on the table, rate how good they are by returning any of the options above.
3. Given your two cards, and four cards on the table, rate how good they are by returning any of the options above.
4. Given your two cards, and five cards on the table, rate how good they are by returning any of the options above.
5. (This is a comment, not a program.) These programs will not take into account how the other players bid. We may add that later.
6. The programs above can be used to PLAY Texas hold'em. All of you should write a program separately, and in the same language, so they can compete against each other.