



Hence each move adds a new piece to the board, and therefore each transition creates a new configuration.

- **Communication:** Your program should converse by generating the grid numbers of moves made by itself; you should enter grid numbers to make your moves. You might also like to dump out a representation of the board, in text format. That would be easier to follow than mere coordinates.

- **Creativity:** Feel free to design any new clever search optimizations, heuristics, or efficiency considerations that you like!

**Bonus! [+10%] Alpha-beta:** Add the alpha-beta pruning procedure to your algorithm!