

COP 3503 Spring 2022 Program #2 Grading Criteria (100 points total)

1. Properly Reads Input (from keyboard, 2 pts for reading from file, 2 pts to process multiple cases, 6 pts for reading in a whole board) (10 points)
2. Has the proper brute force set up, with a recursive function that takes in the position to fill (either 1 or 2 parameters) and number of bombs (10 points)
3. Utilizes some form of backtracking beyond brute force (10 points) – may award partial
4. Follows specification for output (10 pts – 2 pts for output to screen, 2 pts for case header, 2 pts for a puzzle of 7 lines, 7 chars each being outputted, 2 pts if all chars on the board are valid, 2 pts for putting a blank line after each puzzle)
5. Header Comment, Comments, Use of White space, Good consistent coding style (10 points)
6. 25 test cases, 2 points a piece. (50 points) – **Run Time Limit = 5 seconds total (namely, only give credit to cases finished in the first 5 seconds and then stop running their program, if necessary.)**