

COP 3503 Spring 2024 Program #2 Grading Criteria (100 points total)

1. Properly Reads Input (2 pts stdin, 2 pts to process multiple cases, 6 pts for reading in a whole case into array) (10 points)
2. Has the proper brute force set up, with a recursive function that takes in the permutation array, used array and an integer representing the slot to fill in. (10 points)
3. Utilizes some form of backtracking beyond brute force (10 points) – may award partial
4. Follows specification for output (2 pts – single integer per test case)
5. Header Comment, Comments, Use of White space, Good consistent coding style (8 points)
6. **If no backtracking is done, so 12! are tried award 10 execution points out of 60. If this is the case, you might have to wait more than the time limit for one case to finish. If the first sample case works in a minute, just award these 10 points.**

Otherwise, grade like this:

80 test cases, .75 points a piece, round down to nearest integer (60 points) – **Run Time Limit = 3X, where X is the run time of my solution on your (TAs) computer. Stop output at the end of the time limit and just grade those cases. You can be approximate with this.**

If program doesn't compile, max grade of 35 out of 100 → can get most pts from items 1 -5 above, but 5 pts for not compiling are taken off.