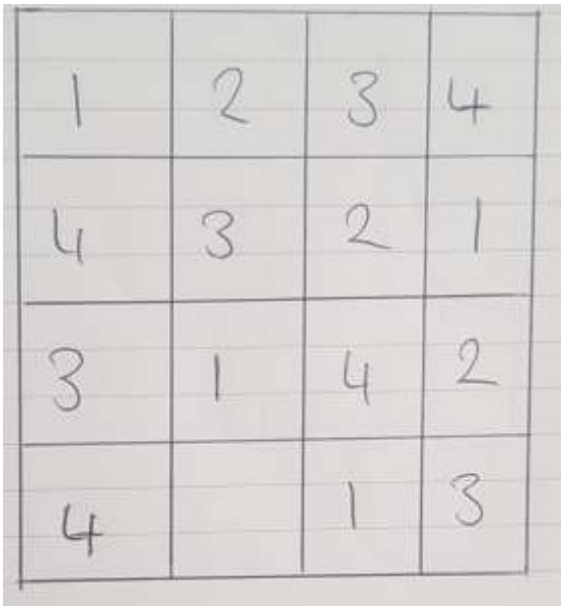
Task 10: Give an example of a valid Pseudoku puzzle with only one blank entry that cannot be generated by the algorithm outlined in this assignment. Briefly explain why this algorithm cannot generate it.

Answer:



This is an example of complete and valid Pseudoku puzzle that cannot be created because it is not cyclically permuted by the algorithm outlined in this assignment. So, it is limited by its cyclic permutations hence it cannot be generated.

Task 11: Describe a method that can be used to generate Pseudoku puzzles that cannot be generated by the method in this assignment. You can use a flowchart, or small amounts of code, to explain how your method would deviate from the one in this assignment.

Answer:

One method that can be used to generate Pseudoku puzzle that cannot be generated by the method in this assignment is by starting with a single column that takes the values from 1-4 only and then cyclically permuting this column until you generate 4 columns. So instead of starting with a single row that takes values from 1-4 and cyclically permuting the row until you get 4 rows you start with columns and this would therefore generate Pseudoku puzzles that cannot be generated by the method in this assignment as you start with columns instead of rows.