STOR-609 Assessment 1 - Marks and Feedback

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1 Quality of Source Code

- Your source code is good quality. Generally quite concise and effective.
- You have provided good supporting comments where appropriate.
- You have introduced some error and exception handling.

Mark (out of 5) : 5

2 Solution

- For both problems you have provided example code that produces a correct solution.
- Your code is designed so that it was easy for me to change the problem and produce further correct solutions (i.e. your code is both **re-usable** and **re-runnable**)

Mark (out of 5) : 5

3 Understanding Design Principles

- Your backtracking algorithm(s) rely on global definitions for the procedures they require. These should be passed as arguments (higher order programming).
- Your backtracking algorithm is not generic as required. You have rewritten the whole algorithm with minor changes to facilitate the analysis of a new problem. This is not considered **re-usable**.

Suggestions

- It would be useful for you to consider the computational complexity of your methods in more detail (i.e. how much extra "computation" is required as your problem size increases).

Mark (out of 5) : 3

4 Quality of Written Communication

- You have provided some supporting information regarding how your methods work for each of the problems.

Suggestions

- It would be really good if you also provided pseudo code for each of your **accept**, **reject**, **first**, and **next** methods.

Mark (out of 5) : 4

5 Overall Comments and Marks

- Make sure you understand how you can avoid the use of global methods and data in your code.
- Where data is shared encapsulate it together with the methods using a class pattern (object based programming).
- Do you remember looking at bitwise operations in the **Introductory Python Course** ? How might they be useful in the context of this assignment ?

Overall Mark (out of 20) : 17