Grading Policy for Assignment-2

The marks of Assignment-2 are now up on Moodle. You can check your total marks along with marks breakup (under comments). In case of any totaling discrepancy, inform using the Google form link given at the end of this document.

Some points -

- Students who submitted late have been given a 20% penalty (i.e. 20 marks) on their actual score.
- Students whose partners submitted but they themselves didn't submit have also been given a penalty of 20 marks.

For the above 2 cases, if the student gives a genuine enough explanation, we can consider to reverse the penalty but not surely. Such cases can explain their reasons using the Google form link given at the end.

****DO NOT email the instructor or the tutors/TAs regarding any regrading request, only regrading requests made using the Google form given at the end will be considered. You have been given sufficient time to fill the form.**

Grading Scheme

Automatic Grading

- 60 marks have been allocated to hidden test cases as given.

T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12
2	2	2	4	4	6	6	10	10	10	2	2

- The hidden test cases are now available to be seen in the following Google drive folder. https://drive.google.com/drive/folders/1w-pJxOBLUy6qdMZOvJAGPV94SP6R04oM?usp=sharing

- The grading in test cases is binary - if it passes you get the full marks else 0. In case a test case doesn't pass, it could be because it exceeded the time limit, there was a wrong answer or some runtime error.

- There were some cases where the code was giving compilation errors. In such cases, care was taken to ensure that this wasn't a machine/platform specific issue and 0 was given only after confirming this.

- Care was taken to not give 0 to students on test cases where the output was supposed to be "NULL MATRIX!" but some students had missed the exclamation mark at the end or written something else. Marks for carelessness were deducted in the "Coding Practices" section though in some cases.

Manual Grading

- **Node Struct(10) -** Marks have been given here for the correct node struct as used in model solution. Marks have been deducted for any other struct used, according to how inefficient such a struct was deemed (could be because it occupies more space then required or makes other operations for the sparse matrix costlier). Many students have used different node structs for headers, marks have been deducted in such cases because it was explicitly mentioned in the assignment to use only one kind of node struct.

- **Coding Practices(10) -** Marks here were reserved for coding practices like proper commenting, proper indentation, using functions for different parts of the program, proper variable and function naming, avoiding use of global variables etc. The marks have been given on how easier it was to understand your code while grading which is a really important characteristic of good code. Also some marks have been deducted in this section for carelessness of students (not using correct output format, improper file naming, writing code which gives compilation warnings etc.)

- **Input Reading(10) -** Marks were given here on the basis of how efficient your input reading was in comparison to the input reading in model solution. 7 marks have been given to almost all the different approaches used by students for input reading (marks deduction only when very easily avoidable resource wastage was found). 3 marks were reserved for any extra optimizations made by the students.

- **Design(10) -** Marks were reserved here for the design of your data structure and the matrix multiplication algorithm. Space usage of the data structure was taken into consideration. Again, 7 marks have been given to almost everyone for any approach that they have used (marks deduction only when very easily avoidable resource wastage was found). 3 marks were reserved for any extra optimizations made as in the model solution. For the matrix multiplication algorithm, if you have used the simple $O(m^3)$ time algorithm or anything better, no marks have been deducted. Only in case of unnecessary complications/avoidable loops in the algorithm have marks been deducted.

Google Form Link (For regrading)

https://docs.google.com/forms/d/e/1FAIpQLSdn6IFl9PZ6cBujb-ig5l7vvx5RcCcKbVc1z7eGikuRFBBddQ/viewform?usp=sf_link

Deadline to fill the form is until 6:00 PM on September 14, 2022. No regrading requests will be entertained after that.