Analysis Assignment 2 Report

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Time Analysis:

The time complexity is $O(mn)$ at most as we traverse through m n times in a nested loop which we use to calculate the resultMatrix and the statusMatrix and afterwards we use another loop of time complexity of $O(n)$ or $O(m)$ to get the sequence string so the maximum possible time complexity is $O(mn)$ as it should be as it was stated in the Assignment 2 description.