**COSC241 Assignment - Deal with It Report**

**Group 12:**

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**Answer the following questions:**

**(a)**  Consider the count values resulting from the “pick up by rows” specifications (those beginning with an L or R). What values do they take and why?

**(b)**  What is the maximum count value produced for any specification and any pile size of 20 or less? What pile size(s), row length(s) and specification(s) produce it? Given a pile size, row length, and specification can you think of a way of computing its count that doesn’t rely on actually carrying out that many transformations?

**(c)**  There are 720 possible card piles consisting of the numbers 1 through 6 in some order. Call such a pile accessible if it can be reached from the original pile 123456 by some sequence of transformations. How many accessible piles are there? What about seven, eight or nine card piles? For how large a value of n do you think it might be feasible to compute the number of accessible piles (and why)?

**CODE COMMENTING:**

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**\* Deal with It – COSC241 ASSIGNMENT**

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**\* Purpose of this assignment is to create a sorting program to sort cards…**

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