Create method for every feature:

Row by Row Reading the data –

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1. Create an Extension Methods for Transform the input to array

* Prepare the INPUT - Input array - Split on newline bases

1. Create an Extension 2nd Method for Transform the array to 2D array

(Array of rows by Newlines) –

In this Total 15 rows which pass as a parameter in method and in this create a table Holder name 2D array

[0,1][0,2][0,3]….[0,15] then [1,1] [1,2][1,3]……..[1,15]

This series will continue run [0,15] [14,15]

1. Extract Number from the row

* Check as per row the numbers through help of regex

1. Reset all the Even number to zero

* Store in EvenCache dictionary

1. Walking through the Odd Node –

In this method Check [0,1][0,2][0,3]….[0,15] then [1,1] [1,2][1,3]……..[1,15]

Use matrix type loop and

Conditions Check-

* IsEven
* Max

All method run as an extension methods run in like method Chaining.

This is optimize way and efficient.

OUTPUT-

The Maximum Total Sum of Odd Numbers from Top to Bottom Is: 8068