

CSC7426 : Basics of Software and Data Engineering

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<http://jpaulgibson.synology.me/Teaching/TSP/CSC7426/>

The Balance Problem

<http://jpaulgibson.synology.me/Teaching/TSP/CSC7426/L1-TheBalanceProblem.pdf>

The Ternary Weight System

A simple class to weigh - on a balance with 2 cups - a given integer value using a ternary weight set:

1, 3, 9, 27, 81, 243, ...

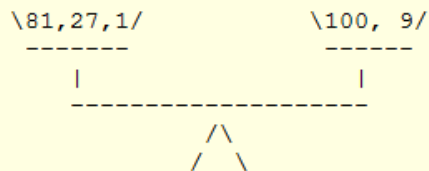
Input (on the command line) should be a valid integer value

If there is no valid integer value input on the command line then the default value of 100 will be used.

The output will be a text string on `System.out` of the form:

```
To weigh 100 in right cup of balance, one needs to place the ternary weights in the left (L) and right (R) cups as follows -  
L : 81  
L : 27  
R : 9  
L : 1
```

This is to represent the balance in the state:



TO DO: Develop this application (in whatever language you wish) and demonstrate your best Software and Data Engineering techniques/skills.