POTD23.1. Problem of the Day #23

Download and Extract

An initial setup of files is provided to you via a shell script: Download potd-q23

Using a terminal, extract the initial files by running the shell script you just downloaded (you will need to navigate to the directory where you saved the file):

```
sh potd-q23.sh
```

Your files for this problem will be in the `potd-q23` directory.

The Problem

Complete the `listSymmetricDifference` function that accepts two `Node *` (the heads of two linked lists) and returns a `Node *` that points to the head of a new linked list. This function must create a new list (containing new nodes, allocated on the heap) that contains the symmetric difference between the two lists, i.e., all the nodes that occur in exactly one list. Your output list can be in any order, but it should not have any duplicates.

For example:

```
List 1: 0 1 2
List 2: 3 2 1
Symmetric Difference: 0 3

List 1: 0 2 2 2 8 5 6 7 8 9
List 2: 10 4 2 5 4 5 7 5 9 0
Symmetric Difference: 4 6 8 10
```

A `main` function has been provided that exercises your `listSymmeticDifference` function.

Upload Solution

Drop files here or click to upload.

Only the files listed below will be accepted—others will be ignored.

Files

○ Node.cpp
not uploaded

Save & Grade | Save only

POTD 23

Total points: 0/1

Score: 0%

Question

Value: 1

History:

Awarded points: 0/1

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