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EEE 4334

Code Assignment 1/ HW 2

All parts of the main assignment have been completed. In addition, I have also implemented the locking nodes and partial sum of gains feature.

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| 01.in | 02.in | 03.in |
| Initial Cut = 70 | Initial Cut = 1420 | Initial Cut = 13733 |
| Time: .006s | Time: .014s | Time = .661s |
| PartA: 1, 2, 3, 4, 5 | Too Large | Too Large |
| PartB: 6, 7, 8, 9, 10 | Too Large | Too Large |
| Final Cut = 32 | Final Cut = 786 | Final Cut = 7680 |
| Final time: .135s | Final Time: 1.125s | Final Time: 337.408s |
| PartA: 1, 2, 9, 4, 5 | Too Large | Too Large |
| PartB: 6, 7, 8, 3, 10 | Too Large | Too Large |

In order to run the program, navigate to the file location in the console. Enter:  
Assignment2.exe(space)[input file here](space)[output file here]  
The source code was compiled on a 64 bit Windows 10 OS.  
Specs are an Intel I5, 8 GB of ram, no GPU.

The program cannot handle any values higher than -999999 as this is my negative infinity. It could be increased, however I didn’t see the point as the input files don’t have any nodes past 100,000, and the largest weight is 10.