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| **Application/ Program name:** | L4-2 |
| **Written by:** | Bailey Nichols |

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| **Purpose or problem definition:** |
| The assignment is to write a definition of the function Prim2 to implement Primm’s algorithm, then to add it as a member to the class msTreeType. |
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| **Program Procedures:** |
| The program will accept a connected weighted graph G= (V, E) of n vertices numbered 0, 1, … n-1; starting with vertex s, with a weight matrix of w.  Then output to console the minimal span of the tree. |
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| **Algorithm/Processing/Conditions:** |
| **Inputs:** |
| The program will accept a connected weighted graph |
| **Processes:** |
| The program will use Primm’s Algorithm to find a minimal spanning tree |
| **Outputs:** |
| The program will output to console the minimal span of the tree. |
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| **Notes & Restriction:** |
| All the code comes from the handout.  Malik, D. S. (2018). *C++ Programming: Program Design Including Data Structures.* Pearson Education. Kindle Edition. Page 1440-1447      [https://en.wikipedia.org/wiki/Prim%27s\_algorithm](https://en.wikipedia.org/wiki/Prim's_algorithm) |
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| **Comments:** |
| I ran out of time on this one and none of the files run. Sorry if you tried to test them. |