PA5 Grading Rubric

**Name:**

|  |  |  |  |
| --- | --- | --- | --- |
| Requirements |  | Points assigned | Pointed earned |
| D2L | PA6\_Firstname\_Lastname.zip before deadline | Met |  |
| CS server | Files under PA6 directory No unnecessary files | Met |  |
|  | No compile error | Met |  |
| Automatic run | The program should not interact with user. No segmentation fault | Met |  |
| makefile | Provide a makefile that is correctly defined and produces an executable without any errors | Met |  |
| Word file | Three required screen shots to show the above three requirements related to submission to CS server   * **ls –al** command to show the timestamps of all files * **make** command to show there is no compilation error * **Run your program to show your result** | Met |  |
| 20% Penalty (-6 points) | | Yes/No |  |
| Implementation | R1: create an adjacency list | 2 |  |
| R2: compute the average node degree | 2 |  |
| R3: Dijkstra's algorithm from the node1 | 3 |  |
| R4: Prim's algorithm | 3 |  |
| Implementation of the link (2, 4) cut | 2 |  |
| Correct output | R2: average node degree | 2 |  |
| R3: shortest paths from 1 to every other node | 4 |  |
| R4:minimum spanning tree | 4 |  |
| R5: shortest path from 1 to every other node after a link (2,4) cut | 4 |  |
| R6: MST after a link (2,4) cut | 4 |  |
| Total | | 30 |  |





