|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Algorithm Execution Time (s) | | | | | | | | |
| Greedy | Jones-Plasmann | | | | Large-Degree-First | | | |
| Graph | Size | Threads: | 1 | 2 | 4 | 8 | 1 | 2 | 4 | 8 |
| v10.gra | 1 KB |  |  |  |  |  |  |  |  |  |
| v100.gra | 13 KB |  |  |  |  |  |  |  |  |  |
| arXiv\_sub\_6000-1.gra | 0.3 MB |  |  |  |  |  |  |  |  |  |
| agrocyc\_dag\_uniq.gra | 1 MB |  |  |  |  |  |  |  |  |  |
| uniprotenc\_150m.scc.gra | 2 MB |  |  |  |  |  |  |  |  |  |
| citeseer.scc.gra | 8 MB |  |  |  |  |  |  |  |  |  |
| uniprotenc\_22m.scc.gra | 19 MB |  |  |  |  |  |  |  |  |  |
| uniprotenc\_100m.scc.gra | 232 MB |  |  |  |  |  |  |  |  |  |
| go\_uniprot.gra | 255 MB |  |  |  |  |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | Peak Memory Usage (s) | | | | | | | | |
| Greedy | Jones-Plasmann | | | | Large-Degree-First | | | |
| Graph | Size | Threads: | 1 | 2 | 4 | 8 | 1 | 2 | 4 | 8 |
| v10.gra | 1 KB |  |  |  |  |  |  |  |  |  |
| v100.gra | 13 KB |  |  |  |  |  |  |  |  |  |
| arXiv\_sub\_6000-1.gra | 0.3 MB |  |  |  |  |  |  |  |  |  |
| agrocyc\_dag\_uniq.gra | 1 MB |  |  |  |  |  |  |  |  |  |
| uniprotenc\_150m.scc.gra | 2 MB |  |  |  |  |  |  |  |  |  |
| citeseer.scc.gra | 8 MB |  |  |  |  |  |  |  |  |  |
| uniprotenc\_22m.scc.gra | 19 MB |  |  |  |  |  |  |  |  |  |
| uniprotenc\_100m.scc.gra | 232 MB |  |  |  |  |  |  |  |  |  |
| go\_uniprot.gra | 255 MB |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | | Number of Colours Used | | |
| Graph | Number of Nodes | Greedy | Jones-Plasmann | Large-Degree-First |
| v10.gra | 10 | 6 | 6 | 6 |
| v100.gra | 100 | 78 | 78 | 78 |
| arXiv\_sub\_6000-1.gra | 6000 | 30 | 29 | 27 |
| agrocyc\_dag\_uniq.gra | 12 684 | 5 | 5 | 4 |
| uniprotenc\_150m.scc.gra | 25 037 600 / 184 672? I think my file is corrupt | 2 | 4 | 3 |
| citeseer.scc.gra | 693 947 | 2 | 5 | 4 |
| uniprotenc\_22m.scc.gra | 1 595 444 | 2 | 4 |  |
| uniprotenc\_100m.scc.gra | 16 087 295 |  |  |  |
| go\_uniprot.gra | 6 967 956 |  |  |  |