BFS:

|  |  |  |
| --- | --- | --- |
| Graph | GASengine (ms) | vertexAPI2 (ms) |
| Bitcoin | 447 | 922 |
| twitter | 48 | 16 |
| Traceroute | 56 | 82 |
| Wiki | 110 | 88 |
| Kron\_20 | 167 (max degree start) | OOM |

SSSP:

|  |  |  |
| --- | --- | --- |
| Graph | GASengine (ms) | vertexAPI2 (ms) |
| Bitcoin | 740 | 8684 |
| twitter | 112 | 69 |
| Traceroute | 118 | OOM |
| Wiki | 236 | 515 |
| Kron\_20 | 1395 (max degree start) | OOM |

CC: I guess the reason vertexAPI2 gets wrong answer (comparing to my result) is it uses directed edges for CC

|  |  |  |
| --- | --- | --- |
| Graph | GASengine (ms) | vertexAPI2 (ms) |
| Bitcoin | 2196 | Wrong answer |
| twitter | 1048 | Wrong answer |
| Traceroute | 3883 | Seg fault |
| Wiki | 3691 | Wrong answer |
| Kron\_20 | 2762 | OOM |

PageRank

|  |  |  |
| --- | --- | --- |
| Graph | GASengine (ms) | vertexAPI2 (ms) |
| Bitcoin | 21366 | 1801 |
| twitter | 5547 | 685 |
| Traceroute | 498 | cudaMalloc error 2 |
| Wiki | 13882 | 2445 |
| Kron\_20 | 2433 | OOM |