Algorithm PA#3 report

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|  |  | DFS | | BFS | | Coloring | | |
| input file | input size  vertices/edges | runtime  (s) | memory (MB) | runtime  (s) | memory (MB) | Number of colors | runtime  (s) | memory (MB) |
| n4 | 4/5 | 0 | 14.656 | 0 | 14.656 | 3 |  | 14.656 |
| n10 | 10/21 | 0 | 14.656 | 0 | 14.656 | 4 | 0.002999 | 14.656 |
| n100 | 100/290 | 0 | 14.656 | 0 | 14.656 | 5 | 0.003998 | 14.656 |
| n1000 | 1000/2989 | 0.002 | 15.08 | 0.002 | 15.08 | 5 | 0.013997 | 15.08 |
| n10000 | 10000/29990 | 0.024996 | 19.036 | 0.021997 | 19.168 | 6 | 0.128979 | 19.168 |

