# Dimacs Results

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Dataset** | **|V|** | **|E|** | **ω(G)** | **Best** | **Generation** | **Status** |
| brock200\_1 | 200 | 14834 | 21∗ | 21 | 2 | E |
| brock200\_2 | 200 | 9876 | 12∗ | 12 | 1 | E |
| brock200\_3 | 200 | 12048 | 15∗ | 15 | 1 | E |
| brock200\_4 | 200 | 13089 | 17∗ | 17 | 1 | E |
| brock400\_1 | 400 | 59723 | 27∗ | 27 | 138 | E |
| brock400\_2 | 400 | 59786 | 29∗ | 29 | 52 | E |
| brock400\_3 | 400 | 59681 | 31∗ | 31 | 30 | E |
| brock400\_4 | 400 | 59765 | 33∗ | 33 | 4 | E |
| brock800\_1 | 800 | 207505 | 23∗ | 23 | 131 | E |
| brock800\_2 | 800 | 208166 | 24∗ | 24 | 159 | E |
| brock800\_3 | 800 | 207333 | 25∗ | 25 | 18 | E |
| brock800\_4 | 800 | 207643 | 26∗ | 21 | 19 | L |
| C125.9 | 125 | 6963 | 34∗ | -1 | -1 | L |
| C250.9 | 250 | 27984 | 44∗ | -1 | -1 | L |
| C500.9 | 500 | 112332 | >=57 | -1 | -1 | L |
| C1000.9 | 1000 | 450079 | >=68 | -1 | -1 | L |
| C2000.5 | 2000 | 999836 | 16∗ | -1 | -1 | L |
| C2000.9 | 2000 | 1799532 | >=80 | -1 | -1 | L |
| C4000.5 | 4000 | 4000268 | 18∗ | -1 | -1 | L |
| DSJC500.5 | 500 | 125248 | 13∗ | -1 | -1 | L |
| DSJC1000.5 | 1000 | 499652 | 15∗ | -1 | -1 | L |
| keller4 | 171 | 9435 | 11∗ | 11 | 1 | E |
| keller5 | 776 | 225990 | 27∗ | 27 | 5 | E |
| keller6 | 3361 | 4619898 | 59∗ | 56 | 36 | L |
| MANN\_a9 | 45 | 918 | 16∗ | 16 | 1 | E |
| MANN\_a27 | 378 | 70551 | 126∗ | 126 | 3 | E |
| MANN\_a45 | 1035 | 533115 | 345∗ | 343 | 10 | L |
| MANN\_a81 | 3321 | 5506380 | 1100∗ | 1092 | 2 | L |
| hamming6-2 | 64 | 1824 | 32∗ | 32 | 1 | E |
| hamming6-4 | 64 | 704 | 4∗ | 4 | 1 | E |
| hamming8-2 | 256 | 31616 | 128∗ | 128 | 2 | E |
| hamming8-4 | 256 | 20864 | 16∗ | 16 | 1 | E |
| hamming10-2 | 1024 | 518656 | 512∗ | 512 | 2 | E |
| hamming10-4 | 1024 | 434176 | >=40 | 40 | 17 | E |
| gen200-p0.9-44 | 200 | 17910 | 44∗ | -1 | -1 | L |
| gen200-p0.9-55 | 200 | 17910 | 55∗ | -1 | -1 | L |
| gen400-p0.9-55 | 400 | 71820 | 55∗ | -1 | -1 | L |
| gen400-p0.9-65 | 400 | 71820 | 65∗ | -1 | -1 | L |
| gen400-p0.9-75 | 400 | 71820 | 75∗ | -1 | -1 | L |
| c-fat200-1 | 200 | 1534 | 12∗ | 12 | 1 | E |
| c-fat200-2 | 200 | 3235 | 24∗ | 24 | 1 | E |
| c-fat200-5 | 200 | 8473 | 58∗ | 58 | 1 | E |
| c-fat500-1 | 500 | 4459 | 14∗ | 14 | 1 | E |
| c-fat500-2 | 500 | 9139 | 26∗ | 26 | 1 | E |
| c-fat500-5 | 500 | 23191 | 64∗ | 64 | 1 | E |
| c-fat500-10 | 500 | 46627 | 126∗ | 126 | 1 | E |
| johnson8-2-4 | 28 | 210 | 4∗ | 4 | 1 | E |
| johnson8-4-4 | 70 | 1855 | 14∗ | 14 | 1 | E |
| johnson16-2-4 | 120 | 5460 | 8∗ | 8 | 1 | E |
| johnson32-2-4 | 496 | 107880 | >=16 | 16 | 1 | E |
| p\_hat300-1 | 300 | 10933 | 8∗ | 8 | 1 | E |
| p\_hat300-2 | 300 | 21928 | 25∗ | 25 | 2 | E |
| p\_hat300-3 | 300 | 33390 | 36∗ | 36 | 6 | E |
| p\_hat500-1 | 500 | 31569 | 9∗ | 9 | 1 | E |
| p\_hat500-2 | 500 | 62946 | 36∗ | 36 | 3 | E |
| p\_hat500-3 | 500 | 93800 | 50∗ | 50 | 8 | E |
| p\_hat700-1 | 700 | 60999 | 11∗ | 11 | 2 | E |
| p\_hat700-2 | 700 | 121728 | 44∗ | 44 | 5 | E |
| p\_hat700-3 | 700 | 183010 | 62∗ | 62 | 4 | E |
| p\_hat1000-1 | 1000 | 122253 | 10∗ | 10 | 1 | E |
| p\_hat1000-2 | 1000 | 244799 | 46∗ | 46 | 4 | E |
| p\_hat1000-3 | 1000 | 371746 | 68∗ | 68 | 79 | E |
| p\_hat1500-1 | 1500 | 284923 | 12∗ | 12 | 19 | E |
| p\_hat1500-2 | 1500 | 568960 | 65∗ | 65 | 9 | E |
| p\_hat1500-3 | 1500 | 847244 | 94∗ | 94 | 117 | E |
| san200\_0.7\_1 | 200 | 13930 | 30∗ | 30 | 1 | E |
| san200\_0.7\_2 | 200 | 13930 | 18∗ | 18 | 2 | E |
| san200\_0.9\_1 | 200 | 17910 | 70∗ | 70 | 1 | E |
| san200\_0.9\_2 | 200 | 17910 | 60∗ | 60 | 2 | E |
| san200\_0.9\_3 | 200 | 17910 | 44∗ | 44 | 2 | E |
| san400\_0.5\_1 | 400 | 39900 | 13∗ | 13 | 1 | E |
| san400\_0.7\_1 | 400 | 55860 | 40∗ | 40 | 1 | E |
| san400\_0.7\_2 | 400 | 55860 | 30∗ | 30 | 2 | E |
| san400\_0.7\_3 | 400 | 55860 | 22∗ | 22 | 1 | E |
| san400\_0.9\_1 | 400 | 71820 | 100∗ | 100 | 2 | E |
| san1000 | 1000 | 250500 | 15∗ | 15 | 2 | E |
| sanr200\_0.7 | 200 | 13868 | 18∗ | 18 | 2 | E |
| sanr200\_0.9 | 200 | 17863 | 42∗ | 42 | 4 | E |
| sanr400\_0.5 | 400 | 39984 | 13∗ | 13 | 20 | E |
| sanr400\_0.7 | 400 | 55869 | 21∗ | 21 | 3 | E |

# Less Values Found

1. brock800\_4

2. C125.9

3. C250.9

4. C500.9

5. C1000.9

6. C2000.5

7. C2000.9

8. C4000.5

9. DSJC500.5

10. DSJC1000.5

11. keller6

12. MANN\_a45

13. MANN\_a81

14. gen200-p0.9-44

15. gen200-p0.9-55

16. gen400-p0.9-55

17. gen400-p0.9-65

18. gen400-p0.9-75

# Greater Values Found