#

# h,k,l, Fc-squared, Fo-squared, sigma(Fo-squared) and status flag

#

data\_b2a

\_shelx\_title ' b2 in P2(1)/c'

\_shelx\_refln\_list\_code 4

\_shelx\_F\_calc\_maximum 181.90

\_exptl\_crystal\_F\_000 697.75

\_reflns\_d\_resolution\_high 0.7094

loop\_

\_symmetry\_equiv\_pos\_as\_xyz

'x, y, z'

'-x, y+1/2, -z+1/2'

'-x, -y, -z'

'x, -y-1/2, z-1/2'

\_cell\_length\_a 8.7900

\_cell\_length\_b 11.5380

\_cell\_length\_c 6.1650

\_cell\_angle\_alpha 90.000

\_cell\_angle\_beta 99.200

\_cell\_angle\_gamma 90.000

\_shelx\_F\_squared\_multiplier 1.000

loop\_

\_refln\_index\_h

\_refln\_index\_k

\_refln\_index\_l

\_refln\_F\_squared\_calc

\_refln\_F\_squared\_meas

\_refln\_F\_squared\_sigma

\_refln\_observed\_status

1 0 0 219.46 196.03 2.79 o

2 0 0 318.42 285.26 5.40 o

3 0 0 14764.63 15411.29 38.91 o

4 0 0 1000.97 1110.15 12.75 o

5 0 0 8775.58 9163.82 40.01 o

6 0 0 5026.81 4889.74 32.90 o

7 0 0 3374.11 3462.88 30.90 o

8 0 0 178.82 183.15 9.88 o

9 0 0 5529.14 5315.26 61.98 o

10 0 0 10.90 13.40 7.82 o

11 0 0 889.50 904.28 22.64 o

12 0 0 572.88 580.46 20.14 o

1 1 0 190.68 209.10 5.84 o

2 1 0 305.37 414.44 6.43 o

3 1 0 1557.69 1535.31 12.93 o

4 1 0 5117.81 5143.69 26.83 o

5 1 0 8715.85 8771.58 39.34 o

6 1 0 400.49 381.20 22.32 o

7 1 0 346.38 364.51 13.05 o

8 1 0 9350.79 9343.26 74.35 o

9 1 0 1160.10 1188.71 22.16 o

10 1 0 20.46 16.40 7.47 o

11 1 0 0.61 -1.76 7.77 o

12 1 0 1119.49 1093.97 26.47 o

0 2 0 249.50 243.99 6.35 o

1 2 0 23.35 29.08 3.58 o

2 2 0 128.77 148.23 6.44 o

3 2 0 396.40 418.87 42.41 o

4 2 0 1787.07 1696.70 27.04 o

5 2 0 2228.81 2350.95 21.25 o

6 2 0 1198.03 1214.62 31.94 o

7 2 0 6008.30 5988.00 40.98 o

8 2 0 150.01 166.74 9.47 o

9 2 0 785.13 786.32 37.35 o

10 2 0 520.46 550.20 29.19 o

11 2 0 82.70 102.36 10.74 o

12 2 0 2.94 5.09 8.42 o

1 3 0 29015.12 27884.93 340.91 o

2 3 0 21047.04 20734.29 157.71 o

3 3 0 4255.92 4247.81 23.67 o

4 3 0 3536.57 3551.81 24.28 o

5 3 0 1277.03 1175.10 15.96 o

6 3 0 913.42 944.77 15.90 o

7 3 0 40.41 43.42 11.68 o

8 3 0 4933.63 4799.90 72.46 o

9 3 0 0.41 2.84 6.49 o

10 3 0 793.94 804.89 36.66 o

11 3 0 496.51 507.19 17.66 o

12 3 0 34.50 37.81 9.73 o

0 4 0 27266.33 26239.87 75.55 o

1 4 0 5374.45 5390.69 25.13 o

2 4 0 985.16 1045.10 20.69 o

3 4 0 5959.01 6043.66 30.47 o

4 4 0 180.11 207.54 7.65 o

5 4 0 3741.80 3947.25 29.56 o

6 4 0 4614.95 4587.12 34.78 o

7 4 0 101.84 102.41 8.28 o

8 4 0 909.72 911.43 18.87 o

9 4 0 1930.57 1909.99 34.86 o

10 4 0 162.03 142.07 11.23 o

11 4 0 0.32 -6.68 8.07 o

1 5 0 470.75 576.48 94.78 o

2 5 0 5004.81 5179.13 66.19 o

3 5 0 705.23 711.64 11.95 o

4 5 0 235.03 240.21 8.50 o

5 5 0 302.45 295.27 10.14 o

6 5 0 1046.82 991.81 17.79 o

7 5 0 2070.32 1980.65 26.10 o

8 5 0 3.08 -2.59 6.43 o

9 5 0 120.41 130.34 9.83 o

10 5 0 536.39 480.22 23.52 o

11 5 0 246.07 239.10 13.89 o

0 6 0 5378.53 5278.30 42.75 o

1 6 0 476.25 510.48 10.44 o

2 6 0 4737.67 4930.90 43.87 o

3 6 0 365.37 399.92 21.21 o

4 6 0 1157.48 1103.22 16.87 o

5 6 0 14.11 19.45 6.37 o

6 6 0 2682.06 2699.12 29.14 o

7 6 0 4026.68 3896.63 40.09 o

8 6 0 69.47 60.66 8.42 o

9 6 0 2351.42 2371.01 33.33 o

10 6 0 952.03 975.69 23.49 o

11 6 0 225.71 190.53 13.22 o

1 7 0 7684.31 7762.31 64.39 o

2 7 0 5108.15 5333.65 51.25 o

3 7 0 3673.73 3694.47 29.93 o

4 7 0 1218.74 1185.87 21.98 o

5 7 0 79.57 81.04 13.74 o

6 7 0 768.46 772.49 17.12 o

7 7 0 102.01 96.29 11.50 o

8 7 0 119.84 121.99 9.89 o

9 7 0 1221.81 1240.09 25.55 o

10 7 0 990.03 1012.26 24.71 o

11 7 0 5.35 12.36 8.85 o

0 8 0 2433.03 2515.78 35.71 o

1 8 0 8801.39 8473.54 45.65 o

2 8 0 2353.31 2314.15 24.77 o

3 8 0 733.96 740.66 24.47 o

4 8 0 605.56 588.30 14.85 o

5 8 0 73.85 89.82 11.42 o

6 8 0 1178.74 1230.14 27.90 o

7 8 0 259.95 235.20 23.09 o

8 8 0 2405.45 2436.74 33.87 o

9 8 0 93.37 89.60 10.31 o

10 8 0 90.86 94.46 11.05 o

1 9 0 670.23 647.21 20.69 o

2 9 0 275.53 290.21 26.70 o

3 9 0 305.12 350.30 12.01 o

4 9 0 123.22 110.91 8.80 o

5 9 0 2612.53 2703.20 37.43 o

6 9 0 2486.12 2435.22 31.75 o

7 9 0 1453.14 1428.39 26.04 o

8 9 0 886.73 886.55 22.22 o

9 9 0 1925.97 1920.94 33.13 o

10 9 0 262.40 253.92 18.72 o

0 10 0 2417.06 2453.45 40.52 o

1 10 0 1442.19 1422.49 22.40 o

2 10 0 10.74 4.30 6.49 o

3 10 0 2868.35 2984.89 46.02 o

4 10 0 453.86 487.82 20.26 o

5 10 0 1080.41 1065.66 21.79 o

6 10 0 5.76 11.49 7.15 o

7 10 0 348.87 343.97 14.69 o

8 10 0 420.70 391.14 20.86 o

9 10 0 919.21 988.99 24.95 o

1 11 0 276.01 267.69 20.35 o

2 11 0 4630.85 4497.57 41.52 o

3 11 0 1459.41 1489.21 32.11 o

4 11 0 376.10 398.54 14.68 o

5 11 0 1048.35 1005.02 22.04 o

6 11 0 444.38 385.48 15.42 o

7 11 0 448.67 455.63 17.36 o

8 11 0 0.02 12.53 8.38 o

9 11 0 187.67 222.98 14.81 o

0 12 0 224.61 238.15 17.34 o

1 12 0 2503.79 2396.92 42.58 o

2 12 0 1589.74 1566.94 65.76 o

3 12 0 24.03 24.03 7.95 o

4 12 0 108.88 133.09 10.50 o

5 12 0 310.25 289.06 26.87 o

6 12 0 2.64 4.05 12.88 o

7 12 0 1830.15 1905.45 33.26 o

8 12 0 542.87 545.14 20.03 o

1 13 0 305.77 268.05 20.18 o

2 13 0 127.88 113.10 10.25 o

3 13 0 505.84 500.41 17.06 o

4 13 0 9.04 43.86 31.59 o

5 13 0 10.85 16.69 8.68 o

6 13 0 0.16 -6.70 8.53 o

7 13 0 1934.02 1863.00 61.21 o

0 14 0 37.88 32.97 12.36 o

1 14 0 443.89 459.01 17.12 o

2 14 0 419.41 401.51 22.92 o

3 14 0 0.19 6.96 8.19 o

4 14 0 5.11 13.86 8.91 o

5 14 0 413.88 425.91 17.72 o

6 14 0 528.20 550.37 19.91 o

1 15 0 547.50 605.64 19.85 o

2 15 0 2582.64 2508.68 56.40 o

3 15 0 112.27 115.52 19.66 o

4 15 0 428.37 393.45 18.09 o

0 16 0 1567.38 1558.88 44.99 o

1 16 0 756.24 745.18 23.01 o

2 16 0 86.57 83.09 11.41 o

-12 1 1 804.03 871.90 33.48 o

-11 1 1 262.57 271.98 19.06 o

-10 1 1 752.27 798.76 27.64 o

-9 1 1 584.95 564.21 22.49 o

-8 1 1 655.01 643.54 21.98 o

-7 1 1 1234.12 1297.90 27.47 o

-6 1 1 6071.29 5962.70 51.17 o

-5 1 1 3519.12 3574.50 35.71 o

-4 1 1 209.86 224.24 9.44 o

-3 1 1 33087.41 31635.79 81.39 o

-2 1 1 2080.15 2185.08 19.06 o

-1 1 1 69.47 64.04 5.32 o

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2 1 1 1705.87 1585.67 17.51 o

3 1 1 14563.42 14403.07 58.89 o

4 1 1 267.71 238.67 10.13 o

5 1 1 605.82 565.07 16.14 o

6 1 1 5794.96 5924.76 53.57 o

7 1 1 667.28 632.89 21.12 o

8 1 1 1011.66 1002.23 27.13 o

9 1 1 55.11 73.32 11.85 o

10 1 1 188.49 185.61 16.48 o

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-12 2 1 44.37 49.79 14.42 o

-11 2 1 3017.14 3111.76 55.97 o

-10 2 1 53.26 54.94 12.71 o

-9 2 1 4.98 11.33 9.44 o

-8 2 1 611.05 566.27 21.29 o

-7 2 1 396.58 413.12 17.34 o

-6 2 1 148.95 140.45 10.82 o

-5 2 1 187.98 175.48 10.30 o

-4 2 1 0.00 7.04 5.67 o

-3 2 1 4681.14 4777.61 33.65 o

-2 2 1 217.58 208.79 8.24 o

-1 2 1 187.13 317.82 8.93 o

0 2 1 293.52 311.12 8.76 o

1 2 1 9.35 17.86 6.01 o

2 2 1 32968.50 31835.65 80.70 o

3 2 1 848.96 870.19 15.80 o

4 2 1 8.20 6.35 6.01 o

5 2 1 8143.43 8060.39 57.35 o

6 2 1 67.39 65.42 9.79 o

7 2 1 620.67 667.41 21.46 o

8 2 1 315.69 272.66 16.66 o

9 2 1 2059.96 2040.34 41.72 o

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11 2 1 3955.43 3959.62 65.93 o

-12 3 1 38.46 34.34 13.91 o

-11 3 1 68.32 65.25 14.42 o

-10 3 1 1417.96 1390.96 36.57 o

-9 3 1 344.32 301.85 18.03 o

-8 3 1 355.24 308.72 17.17 o

-7 3 1 798.18 795.32 23.01 o

-6 3 1 6956.51 6948.44 57.52 o

-5 3 1 1.08 17.17 7.21 o

-4 3 1 3236.46 3254.27 32.80 o

-3 3 1 3794.27 3816.25 32.28 o

-2 3 1 76.88 101.82 7.04 o

-1 3 1 741.08 796.01 13.74 o

0 3 1 918.70 1030.21 15.11 o

1 3 1 20165.23 19886.21 64.22 o

2 3 1 160.53 166.21 8.41 o

3 3 1 11.08 12.36 6.01 o

4 3 1 8202.05 8463.20 55.12 o

5 3 1 2849.14 2973.20 36.23 o

6 3 1 170.49 170.16 12.71 o

7 3 1 4.16 32.80 9.27 o

8 3 1 558.93 626.20 22.32 o

9 3 1 95.46 107.83 12.88 o

10 3 1 428.16 429.43 23.18 o

11 3 1 107.22 110.92 15.80 o

-12 4 1 48.66 37.77 13.91 o

-11 4 1 13.06 15.97 11.50 o

-10 4 1 5.48 14.59 10.47 o

-9 4 1 700.35 669.30 25.07 o

-8 4 1 1277.57 1390.44 32.28 o

-7 4 1 2651.58 2624.81 40.35 o

-6 4 1 1274.09 1265.10 26.44 o

-5 4 1 15092.70 15193.41 80.87 o

-4 4 1 13247.85 13597.44 70.23 o

-3 4 1 465.48 439.90 12.88 o

-2 4 1 2965.83 2957.91 28.85 o

-1 4 1 1488.18 1544.80 20.26 o

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1 4 1 2241.49 2290.51 24.90 o

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3 4 1 8332.76 8596.44 53.74 o

4 4 1 11463.27 11483.61 67.31 o

5 4 1 1703.82 1902.12 30.56 o

6 4 1 1589.56 1666.71 31.08 o

7 4 1 2662.52 2667.05 42.41 o

8 4 1 308.92 302.37 17.51 o

9 4 1 1405.51 1400.23 36.74 o

10 4 1 379.30 389.76 22.66 o

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-11 5 1 1081.02 1204.15 37.60 o

-10 5 1 15.71 12.19 11.68 o

-9 5 1 3273.05 3237.62 52.71 o

-8 5 1 220.18 270.95 17.00 o

-7 5 1 8.78 28.85 9.44 o

-6 5 1 20.74 50.82 9.96 o

-5 5 1 5134.88 5115.87 49.45 o

-4 5 1 2235.39 2554.24 33.14 o

-3 5 1 5891.28 5975.06 46.70 o

-2 5 1 10714.52 10752.33 59.07 o

-1 5 1 1065.63 1142.16 19.40 o

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1 5 1 8976.57 8865.67 52.71 o

2 5 1 979.47 1005.66 19.40 o

3 5 1 11775.19 11722.11 67.14 o

4 5 1 476.73 462.39 15.97 o

5 5 1 1173.88 1135.12 25.41 o

6 5 1 4549.15 4414.98 51.85 o

7 5 1 1.56 4.46 8.76 o

8 5 1 1686.08 1617.78 37.26 o

9 5 1 225.08 228.71 17.17 o

10 5 1 55.11 86.02 14.25 o

11 5 1 555.45 587.91 28.33 o

-11 6 1 14.78 27.99 13.05 o

-10 6 1 22.59 24.21 11.68 o

-9 6 1 916.95 858.17 29.36 o

-8 6 1 0.50 5.15 9.62 o

-7 6 1 650.11 689.56 23.35 o

-6 6 1 1197.80 1213.42 28.16 o

-5 6 1 226.82 211.02 13.74 o

-4 6 1 3741.47 3815.91 42.75 o

-3 6 1 85.57 95.81 9.62 o

-2 6 1 107.47 94.61 9.10 o

-1 6 1 2202.85 2265.44 29.70 o

0 6 1 14930.98 15274.97 74.18 o

1 6 1 1205.04 1103.19 21.29 o

2 6 1 522.94 461.02 15.45 o

3 6 1 19386.44 19581.26 92.72 o

4 6 1 3708.58 3747.40 43.96 o

5 6 1 593.61 593.92 20.09 o

6 6 1 1194.35 1233.34 29.70 o

7 6 1 1501.20 1567.98 35.20 o

8 6 1 1436.54 1447.11 35.71 o

9 6 1 823.79 815.24 29.36 o

10 6 1 3161.28 3285.18 59.92 o

11 6 1 315.88 309.58 22.66 o

-11 7 1 486.44 472.87 26.10 o

-10 7 1 672.97 658.48 28.67 o

-9 7 1 755.71 784.68 29.19 o

-8 7 1 4.16 14.94 9.96 o

-7 7 1 1733.11 1697.28 36.40 o

-6 7 1 1736.82 1850.09 35.89 o

-5 7 1 2203.30 2286.56 37.43 o

-4 7 1 11630.35 11490.83 78.30 o

-3 7 1 1741.75 1906.92 31.08 o

-2 7 1 1481.43 1564.72 27.30 o

-1 7 1 2799.28 2888.72 35.89 o

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1 7 1 104.33 105.25 9.96 o

2 7 1 3184.91 3171.51 38.80 o

3 7 1 87.53 61.47 10.47 o

4 7 1 532.94 511.50 19.23 o

5 7 1 1606.47 1691.27 33.48 o

6 7 1 3237.89 3280.89 48.59 o

7 7 1 7.33 17.17 9.44 o

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9 7 1 25.71 33.83 11.50 o

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-10 8 1 20.15 12.02 12.02 o

-9 8 1 57.84 32.28 13.05 o

-8 8 1 84.85 63.01 12.71 o

-7 8 1 193.82 218.06 15.97 o

-6 8 1 671.80 636.33 23.69 o

-5 8 1 241.91 247.42 15.97 o

-4 8 1 202.63 289.15 15.97 o

-3 8 1 6.37 -2.40 9.10 o

-2 8 1 3685.32 3625.49 43.96 o

-1 8 1 64.64 106.80 11.33 o

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1 8 1 38.37 42.24 9.27 o

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3 8 1 171.82 141.31 12.71 o

4 8 1 2632.86 2636.14 41.38 o

5 8 1 740.23 739.35 24.04 o

6 8 1 60.98 54.77 10.99 o

7 8 1 63.36 76.41 12.36 o

8 8 1 59.60 45.50 13.22 o

9 8 1 2.02 -8.76 10.47 o

10 8 1 269.92 289.15 21.46 o

-10 9 1 162.80 174.96 18.20 o

-9 9 1 717.37 652.64 28.50 o

-8 9 1 77.06 61.13 13.74 o

-7 9 1 326.44 324.69 19.40 o

-6 9 1 14.06 18.03 9.96 o

-5 9 1 580.94 573.49 22.49 o

-4 9 1 483.83 442.13 19.92 o

-3 9 1 543.62 557.17 20.78 o

-2 9 1 546.95 552.71 19.92 o

-1 9 1 3046.77 3088.92 43.61 o

0 9 1 134.69 151.61 12.88 o

1 9 1 156.18 172.05 13.56 o

2 9 1 20.79 22.32 9.44 o

3 9 1 89.04 100.62 11.85 o

4 9 1 473.74 452.61 19.92 o

5 9 1 929.20 874.31 27.99 o

6 9 1 207.16 223.56 16.83 o

7 9 1 0.82 -5.84 10.82 o

8 9 1 472.97 424.79 23.35 o

9 9 1 118.41 133.41 17.00 o

-9 10 1 533.37 501.20 26.79 o

-8 10 1 6.47 2.58 11.33 o

-7 10 1 28.02 23.69 11.33 o

-6 10 1 248.22 263.05 18.20 o

-5 10 1 2224.63 2215.82 42.93 o

-4 10 1 453.49 452.78 20.60 o

-3 10 1 1100.61 1040.86 28.50 o

-2 10 1 1600.81 1577.26 34.17 o

-1 10 1 1.91 8.59 9.27 o

0 10 1 1353.66 1315.75 30.56 o

1 10 1 3912.28 3787.41 51.17 o

2 10 1 19.16 19.75 10.13 o

3 10 1 7361.90 7137.83 72.63 o

4 10 1 2558.09 2467.19 44.99 o

5 10 1 41.79 39.49 11.85 o

6 10 1 242.15 216.86 16.83 o

7 10 1 1.24 5.32 10.47 o

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9 10 1 765.50 801.85 32.62 o

-9 11 1 396.05 401.78 25.24 o

-8 11 1 720.57 682.69 29.36 o

-7 11 1 1520.83 1487.97 40.69 o

-6 11 1 897.24 952.43 31.76 o

-5 11 1 2619.28 2585.66 48.94 o

-4 11 1 3340.92 3331.02 53.57 o

-3 11 1 517.04 556.32 23.52 o

-2 11 1 3233.95 3210.32 50.48 o

-1 11 1 377.56 368.13 19.40 o

0 11 1 2559.66 2506.51 44.13 o

1 11 1 82.22 92.89 12.36 o

2 11 1 2015.53 2035.53 40.87 o

3 11 1 33.72 45.33 11.50 o

4 11 1 13.93 31.25 10.99 o

5 11 1 1932.24 2100.78 44.81 o

6 11 1 1196.55 1230.25 36.06 o

7 11 1 9.86 20.09 12.19 o

8 11 1 7.20 -2.58 11.50 o

-8 12 1 1993.57 1944.36 49.45 o

-7 12 1 11.22 25.58 13.22 o

-6 12 1 333.79 336.71 22.15 o

-5 12 1 1233.15 1260.12 36.74 o

-4 12 1 317.34 335.85 20.09 o

-3 12 1 141.29 133.76 14.94 o

-2 12 1 49.31 43.44 12.02 o

-1 12 1 2000.89 1957.92 41.55 o

0 12 1 265.93 301.68 18.54 o

1 12 1 25.94 37.26 10.47 o

2 12 1 107.69 121.22 14.25 o

3 12 1 671.11 659.85 26.27 o

4 12 1 205.15 209.30 17.34 o

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6 12 1 1526.96 1556.31 42.07 o

7 12 1 122.61 134.79 17.34 o

-7 13 1 4.98 18.37 12.88 o

-6 13 1 39.62 40.01 14.08 o

-5 13 1 37.81 36.23 13.56 o

-4 13 1 821.55 846.49 30.56 o

-3 13 1 468.78 456.73 23.52 o

-2 13 1 199.43 189.73 16.83 o

-1 13 1 921.04 904.18 31.25 o

0 13 1 1262.19 1226.30 35.20 o

1 13 1 940.90 945.39 31.42 o

2 13 1 98.05 84.65 13.91 o

3 13 1 158.13 146.98 16.31 o

4 13 1 1845.74 1867.09 45.16 o

5 13 1 43.38 36.23 13.05 o

6 13 1 25.19 24.38 12.53 o

-6 14 1 213.59 220.29 20.78 o

-5 14 1 1592.87 1757.72 46.19 o

-4 14 1 959.95 944.71 34.34 o

-3 14 1 261.03 232.48 20.09 o

-2 14 1 1526.13 1464.79 40.69 o

-1 14 1 2123.87 2119.49 48.08 o

0 14 1 59.20 49.79 13.39 o

1 14 1 409.70 390.79 23.18 o

2 14 1 1195.94 1157.44 36.74 o

3 14 1 1.03 4.46 11.33 o

4 14 1 2213.44 2182.33 51.34 o

5 14 1 2.13 4.29 11.33 o

-4 15 1 470.75 506.86 27.13 o

-3 15 1 628.75 694.02 31.25 o

-2 15 1 51.71 58.04 14.08 o

-1 15 1 36.34 36.06 14.25 o

0 15 1 113.64 104.91 16.48 o

1 15 1 202.16 202.78 19.92 o

2 15 1 135.44 107.83 17.17 o

3 15 1 120.47 137.71 17.34 o

4 15 1 478.15 501.54 27.64 o

-1 16 1 76.36 75.89 14.77 o

0 16 1 715.91 677.88 32.28 o

1 16 1 403.05 405.22 26.27 o

-12 0 2 91.02 111.09 16.31 o

-11 0 2 38.90 42.58 12.88 o

-10 0 2 2284.86 2305.45 45.50 o

-9 0 2 5341.65 5212.19 62.67 o

-8 0 2 4241.57 4082.91 51.68 o

-7 0 2 6.06 7.73 9.10 o

-6 0 2 6897.06 6774.68 55.97 o

-5 0 2 4.40 12.53 6.87 o

-4 0 2 7276.12 7318.98 47.73 o

-3 0 2 5595.90 5603.33 37.95 o

-2 0 2 12047.51 11636.43 49.62 o

-1 0 2 31265.84 28640.10 72.63 o

0 0 2 11746.85 11079.26 45.33 o

1 0 2 4322.50 4291.70 30.05 o

2 0 2 164.09 187.33 8.76 o

3 0 2 9969.05 9839.22 54.77 o

4 0 2 9676.56 9517.45 59.41 o

5 0 2 2.13 -2.23 7.55 o

6 0 2 2047.13 2020.76 34.00 o

7 0 2 1.64 2.40 8.76 o

8 0 2 1955.55 1826.40 37.95 o

9 0 2 19.95 14.59 10.13 o

10 0 2 820.09 788.11 29.70 o

11 0 2 470.70 477.85 25.93 o

-12 1 2 3.66 5.67 12.53 o

-11 1 2 125.85 128.78 15.28 o

-10 1 2 771.73 737.46 27.13 o

-9 1 2 1813.93 1756.51 37.60 o

-8 1 2 662.06 652.30 22.32 o

-7 1 2 148.02 153.85 12.53 o

-6 1 2 4406.77 4306.29 45.16 o

-5 1 2 1120.38 1171.87 21.81 o

-4 1 2 7795.89 7577.39 48.76 o

-3 1 2 1706.64 1800.13 22.15 o

-2 1 2 3236.30 3270.41 27.64 o

-1 1 2 13435.17 12955.62 52.37 o

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1 1 2 5805.57 5698.11 35.20 o

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3 1 2 3317.45 3385.80 32.80 o

4 1 2 2757.20 2926.84 33.65 o

5 1 2 1459.05 1406.41 26.10 o

6 1 2 6477.83 6312.12 59.24 o

7 1 2 161.48 192.31 13.74 o

8 1 2 3481.02 3364.68 51.17 o

9 1 2 240.87 233.00 17.69 o

10 1 2 577.03 571.42 26.10 o

11 1 2 333.60 303.23 23.52 o

-12 2 2 141.44 166.38 17.86 o

-11 2 2 370.70 381.52 23.18 o

-10 2 2 37.32 34.34 11.50 o

-9 2 2 325.87 322.97 18.20 o

-8 2 2 1148.09 1159.50 28.85 o

-7 2 2 24.10 21.12 9.79 o

-6 2 2 1015.15 1058.03 23.69 o

-5 2 2 3665.86 3609.70 38.12 o

-4 2 2 608.15 638.22 15.97 o

-3 2 2 1959.55 2005.65 24.38 o

-2 2 2 1322.88 1331.04 19.06 o

-1 2 2 2461.84 2383.40 24.38 o

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2 2 2 4542.57 4641.45 36.06 o

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-10 3 2 11.32 12.36 10.30 o

-9 3 2 3602.08 3577.24 53.40 o

-8 3 2 1439.45 1367.44 31.76 o

-7 3 2 436.42 423.76 18.20 o

-6 3 2 679.07 690.76 20.43 o

-5 3 2 67.80 91.17 9.44 o

-4 3 2 21.93 15.45 7.04 o

-3 3 2 14059.37 14081.47 66.79 o

-2 3 2 81.32 87.74 7.73 o

-1 3 2 393.99 369.16 11.50 o

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4 3 2 1304.83 1261.15 24.04 o

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9 3 2 907.00 943.33 31.42 o

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-11 4 2 140.55 143.03 16.48 o

-10 4 2 0.11 -7.21 10.47 o

-9 4 2 1177.06 1159.85 32.28 o

-8 4 2 2400.27 2475.77 42.41 o

-7 4 2 360.68 362.46 17.34 o

-6 4 2 3957.53 3912.06 46.36 o

-5 4 2 687.69 689.56 19.23 o

-4 4 2 104.14 98.90 9.62 o

-3 4 2 575.45 560.44 15.62 o

-2 4 2 0.56 1.72 6.35 o

-1 4 2 0.38 -5.84 5.84 o

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-11 5 2 66.33 61.81 13.74 o

-10 5 2 196.88 215.31 18.20 o

-9 5 2 30.32 48.59 10.99 o

-8 5 2 1209.21 1192.30 31.08 o

-7 5 2 629.67 570.74 21.63 o

-6 5 2 569.35 570.91 20.09 o

-5 5 2 108.95 101.48 11.50 o

-4 5 2 117.73 108.69 10.30 o

-3 5 2 214.49 246.05 12.19 o

-2 5 2 15837.79 15939.80 77.44 o

-1 5 2 6027.20 6248.93 47.73 o

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-11 6 2 477.92 466.51 25.76 o

-10 6 2 1280.42 1300.30 37.77 o

-9 6 2 33.30 20.60 11.68 o

-8 6 2 1713.01 1649.03 37.43 o

-7 6 2 567.02 594.60 22.32 o

-6 6 2 346.56 336.88 17.17 o

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-4 6 2 1835.71 1839.96 31.42 o

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-2 6 2 580.11 581.73 17.34 o

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-11 7 2 295.28 333.27 23.35 o

-10 7 2 955.34 997.07 34.17 o

-9 7 2 312.22 316.28 20.43 o

-8 7 2 60.69 65.76 12.88 o

-7 7 2 1395.63 1340.31 33.31 o

-6 7 2 13.42 17.51 9.62 o

-5 7 2 2249.17 2112.11 37.09 o

-4 7 2 2168.35 2268.87 37.09 o

-3 7 2 8800.18 8750.29 67.99 o

-2 7 2 4.67 12.02 8.76 o

-1 7 2 1080.94 1047.21 23.69 o

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-9 8 2 109.24 98.21 14.77 o

-8 8 2 949.50 1001.88 31.94 o

-7 8 2 1855.64 1901.26 40.52 o

-6 8 2 96.64 78.30 12.53 o

-5 8 2 1756.79 1709.30 35.03 o

-4 8 2 954.80 940.07 26.27 o

-3 8 2 61.14 65.59 11.16 o

-2 8 2 793.67 799.96 23.35 o

-1 8 2 13811.36 13847.61 87.22 o

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2 8 2 3353.24 3279.17 44.47 o

3 8 2 26.94 35.37 10.65 o

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5 8 2 3510.81 3465.29 51.00 o

6 8 2 210.41 183.21 15.28 o

7 8 2 494.34 524.21 23.87 o

8 8 2 141.47 136.50 16.14 o

9 8 2 6.34 5.32 11.68 o

-10 9 2 539.92 490.90 26.61 o

-9 9 2 562.32 551.85 26.96 o

-8 9 2 107.46 110.58 15.45 o

-7 9 2 3192.72 3208.77 54.60 o

-6 9 2 154.50 150.75 15.11 o

-5 9 2 47.62 44.99 10.47 o

-4 9 2 964.09 957.24 27.82 o

-3 9 2 293.01 285.20 16.83 o

-2 9 2 4491.90 4431.46 53.91 o

-1 9 2 686.72 624.14 21.98 o

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4 9 2 5982.35 5970.26 67.65 o

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6 9 2 49.81 17.86 11.33 o

7 9 2 5010.53 5124.97 71.43 o

8 9 2 424.66 439.39 24.55 o

9 9 2 409.24 466.34 26.27 o

-9 10 2 66.60 86.19 16.14 o

-8 10 2 449.49 426.34 23.69 o

-7 10 2 190.43 200.89 17.86 o

-6 10 2 2141.74 2127.05 44.30 o

-5 10 2 408.25 411.06 21.46 o

-4 10 2 2111.04 2157.78 42.41 o

-3 10 2 1699.81 1688.35 36.40 o

-2 10 2 794.59 815.93 25.93 o

-1 10 2 2459.64 2456.37 42.41 o

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-9 11 2 67.75 88.08 15.62 o

-8 11 2 715.60 796.87 31.76 o

-7 11 2 178.73 163.63 16.83 o

-6 11 2 30.46 25.76 11.68 o

-5 11 2 3.39 3.26 10.47 o

-4 11 2 200.35 195.05 16.31 o

-3 11 2 13.35 14.42 10.82 o

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-8 12 2 7.15 -1.20 12.71 o

-7 12 2 1562.63 1669.12 44.81 o

-6 12 2 488.69 460.68 25.07 o

-5 12 2 224.71 189.22 17.86 o

-4 12 2 179.12 166.89 16.14 o

-3 12 2 383.24 390.97 21.63 o

-2 12 2 27.63 31.08 10.82 o

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-7 13 2 40.66 54.60 14.77 o

-6 13 2 631.61 617.10 28.85 o

-5 13 2 98.75 104.91 15.62 o

-4 13 2 77.92 77.44 14.77 o

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4 13 2 118.89 117.96 15.62 o

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-6 14 2 353.69 298.93 23.69 o

-5 14 2 5.56 9.62 13.22 o

-4 14 2 230.41 243.99 21.12 o

-3 14 2 1230.04 1205.86 38.46 o

-2 14 2 55.16 79.84 14.59 o

-1 14 2 64.69 56.83 13.91 o

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3 14 2 251.67 284.85 22.15 o

4 14 2 253.96 253.95 21.12 o

5 14 2 13.25 31.76 13.05 o

-4 15 2 995.81 1041.55 37.95 o

-3 15 2 291.80 289.83 21.81 o

-2 15 2 1954.57 1964.79 49.11 o

-1 15 2 679.39 656.93 29.88 o

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-7 1 3 4776.31 4603.16 52.54 o

-6 1 3 237.44 288.80 14.77 o

-5 1 3 5721.23 5685.23 50.31 o

-4 1 3 11256.20 11091.79 65.08 o

-3 1 3 47.35 45.16 7.21 o

-2 1 3 15798.87 15311.20 71.94 o

-1 1 3 81.82 87.05 7.73 o

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3 1 3 64.99 83.79 9.44 o

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-11 2 3 1303.33 1244.15 37.26 o

-10 2 3 121.15 127.92 15.45 o

-9 2 3 494.02 456.04 21.63 o

-8 2 3 133.40 147.32 13.05 o

-7 2 3 1074.53 1028.67 26.44 o

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-5 2 3 362.70 335.68 15.11 o

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-4 3 3 1065.73 1061.46 22.66 o

-3 3 3 21.17 21.12 7.90 o

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-9 4 3 1541.25 1460.84 36.74 o

-8 4 3 593.80 562.32 22.49 o

-7 4 3 1551.71 1451.06 32.45 o

-6 4 3 6741.22 6643.50 62.67 o

-5 4 3 6352.45 6220.08 57.52 o

-4 4 3 5388.98 5423.04 51.17 o

-3 4 3 9706.58 9649.32 65.42 o

-2 4 3 1988.38 2040.85 29.70 o

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-9 5 3 183.11 204.33 16.14 o

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-5 5 3 41.30 46.53 10.65 o

-4 5 3 1593.68 1612.28 30.56 o

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-10 6 3 2510.73 2425.29 51.17 o

-9 6 3 3.08 11.16 11.16 o

-8 6 3 53.14 63.36 12.36 o

-7 6 3 150.10 131.35 13.91 o

-6 6 3 3780.43 3674.08 50.82 o

-5 6 3 2385.13 2385.29 39.49 o

-4 6 3 3292.16 3312.82 44.64 o

-3 6 3 14458.87 14414.40 88.08 o

-2 6 3 462.23 495.53 18.03 o

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-10 7 3 59.19 68.51 14.42 o

-9 7 3 31.08 58.04 13.05 o

-8 7 3 383.65 358.51 20.60 o

-7 7 3 2603.39 2629.10 46.87 o

-6 7 3 180.28 172.90 14.59 o

-5 7 3 2376.83 2414.65 41.21 o

-4 7 3 2502.96 2474.57 40.69 o

-3 7 3 1109.50 1176.85 28.67 o

-2 7 3 5552.75 5508.55 56.83 o

-1 7 3 81.71 68.17 11.33 o

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-8 8 3 99.22 112.98 15.11 o

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-6 8 3 761.91 719.26 26.10 o

-5 8 3 732.61 721.66 25.07 o

-4 8 3 1360.19 1300.82 31.42 o

-3 8 3 1645.43 1638.90 34.34 o

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-8 9 3 99.61 110.23 15.11 o

-7 9 3 4.76 -2.40 10.47 o

-6 9 3 75.48 87.74 13.91 o

-5 9 3 46.73 27.47 11.50 o

-4 9 3 1.20 20.95 10.30 o

-3 9 3 341.08 315.59 17.86 o

-2 9 3 84.13 98.73 12.36 o

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-9 10 3 32.54 34.86 12.71 o

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-6 10 3 309.90 311.98 20.09 o

-5 10 3 2727.95 2759.94 50.48 o

-4 10 3 3294.34 3244.66 52.88 o

-3 10 3 822.78 794.29 27.47 o

-2 10 3 494.69 492.61 21.63 o

-1 10 3 203.13 214.80 16.14 o

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1 10 3 7072.60 6925.26 74.35 o

2 10 3 257.32 265.79 18.03 o

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6 10 3 127.48 124.48 15.11 o

7 10 3 215.59 192.48 19.75 o

-8 11 3 273.03 306.15 22.49 o

-7 11 3 1988.57 1904.35 46.87 o

-6 11 3 7.61 34.17 12.53 o

-5 11 3 1724.44 1727.67 42.07 o

-4 11 3 1250.81 1249.65 35.89 o

-3 11 3 271.10 299.79 18.72 o

-2 11 3 1284.73 1235.40 34.34 o

-1 11 3 552.35 600.27 24.73 o

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-4 12 3 932.47 787.77 30.39 o

-3 12 3 497.36 507.04 24.73 o

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-6 13 3 131.17 147.84 18.20 o

-5 13 3 23.37 41.21 14.77 o

-4 13 3 0.38 -5.84 11.68 o

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-2 13 3 197.40 200.03 18.37 o

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-5 14 3 2217.70 2147.65 53.06 o

-4 14 3 1207.05 1277.12 40.69 o

-3 14 3 212.42 190.42 19.92 o

-2 14 3 1227.05 1290.00 39.15 o

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-10 0 4 1569.55 1570.04 40.01 o

-9 0 4 1428.03 1423.93 35.71 o

-8 0 4 1154.92 1157.27 30.91 o

-7 0 4 8733.93 8291.67 74.52 o

-6 0 4 0.60 5.84 8.59 o

-5 0 4 266.90 254.29 14.77 o

-4 0 4 163.88 137.53 11.50 o

-3 0 4 8237.48 8459.94 63.01 o

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-1 0 4 16908.57 16384.85 80.53 o

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-10 1 4 136.79 163.46 16.14 o

-9 1 4 137.02 164.49 15.11 o

-8 1 4 1948.11 1921.69 39.15 o

-7 1 4 101.71 93.75 11.50 o

-6 1 4 530.71 542.75 19.75 o

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-4 1 4 81.14 67.14 9.44 o

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-5 2 4 202.57 191.45 13.74 o

-4 2 4 1782.22 1721.14 31.08 o

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-11 3 4 271.43 294.47 21.81 o

-10 3 4 219.23 221.32 17.86 o

-9 3 4 4643.79 4562.13 63.87 o

-8 3 4 1.72 -8.41 9.96 o

-7 3 4 10.08 15.45 9.96 o

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-4 3 4 44.88 47.05 10.47 o

-3 3 4 3856.52 3782.43 44.81 o

-2 3 4 85.90 99.76 10.65 o

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-7 4 4 734.92 676.85 24.55 o

-6 4 4 5.67 5.15 9.10 o

-5 4 4 252.09 254.81 15.28 o

-4 4 4 1551.15 1494.67 31.08 o

-3 4 4 3078.32 2991.91 41.55 o

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-11 5 4 72.45 86.02 15.97 o

-10 5 4 1894.57 1882.71 45.33 o

-9 5 4 78.60 66.96 13.22 o

-8 5 4 1459.43 1433.03 36.23 o

-7 5 4 2075.94 1953.97 40.35 o

-6 5 4 49.70 37.26 10.99 o

-5 5 4 109.56 122.60 12.36 o

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-10 6 4 380.30 351.82 23.18 o

-9 6 4 301.47 283.82 20.43 o

-8 6 4 349.47 356.80 20.60 o

-7 6 4 62.98 55.80 11.68 o

-6 6 4 169.60 181.32 15.11 o

-5 6 4 788.22 789.66 25.24 o

-4 6 4 2480.68 2426.50 41.38 o

-3 6 4 413.18 412.77 18.89 o

-2 6 4 1838.75 1873.10 35.20 o

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-10 7 4 7.29 23.52 13.39 o

-9 7 4 2731.96 2830.17 55.80 o

-8 7 4 51.79 55.97 14.08 o

-7 7 4 256.17 270.26 17.86 o

-6 7 4 3319.27 3239.51 52.20 o

-5 7 4 1287.80 1271.80 32.80 o

-4 7 4 1650.86 1583.27 35.03 o

-3 7 4 138.23 111.61 13.05 o

-2 7 4 1558.78 1499.13 33.14 o

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-7 8 4 374.91 378.26 21.98 o

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-3 8 4 453.12 446.43 20.78 o

-2 8 4 4382.72 4190.91 56.15 o

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2 9 4 768.08 780.04 27.13 o

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-7 10 4 1208.24 1154.53 37.77 o

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-5 10 4 84.20 77.78 13.91 o

-4 10 4 464.60 475.44 23.52 o

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-4 12 4 15.15 0.52 12.88 o

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-3 14 4 246.12 270.95 22.32 o

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-10 1 5 157.75 168.95 17.34 o

-9 1 5 11.04 9.79 10.65 o

-8 1 5 39.35 36.40 10.82 o

-7 1 5 193.47 166.21 14.94 o

-6 1 5 7744.05 7554.38 72.80 o

-5 1 5 60.34 64.04 10.47 o

-4 1 5 3243.21 3057.33 44.30 o

-3 1 5 4803.51 4766.80 53.91 o

-2 1 5 382.44 358.69 16.83 o

-1 1 5 341.91 363.84 16.48 o

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-7 3 5 75.14 70.05 12.36 o

-6 3 5 3821.57 3735.21 53.57 o

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-3 3 5 1818.33 1814.55 35.71 o

-2 3 5 1206.70 1229.73 29.02 o

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-4 4 5 6900.12 6961.49 70.91 o

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-9 5 5 64.08 56.15 14.42 o

-8 5 5 177.48 143.54 15.97 o

-7 5 5 1374.27 1433.89 36.92 o

-6 5 5 145.84 162.26 14.94 o

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-9 6 5 331.21 324.86 21.81 o

-8 6 5 408.23 402.99 23.01 o

-7 6 5 4.85 15.45 12.02 o

-6 6 5 154.54 151.61 15.28 o

-5 6 5 361.18 366.76 20.43 o

-4 6 5 844.61 873.96 28.50 o

-3 6 5 541.63 560.44 22.84 o

-2 6 5 63.23 66.45 11.68 o

-1 6 5 188.45 201.41 14.77 o

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-9 7 5 481.70 451.75 25.58 o

-8 7 5 898.11 895.60 32.80 o

-7 7 5 335.57 340.31 20.95 o

-6 7 5 708.19 715.14 27.99 o

-5 7 5 4549.27 4435.07 63.01 o

-4 7 5 699.74 633.58 25.76 o

-3 7 5 1393.01 1381.69 35.54 o

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-8 9 5 158.98 149.04 18.37 o

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-4 9 5 262.37 267.68 19.23 o

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-4 10 5 315.01 337.39 22.49 o

-3 10 5 109.19 102.16 15.45 o

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-6 11 5 270.26 265.97 22.32 o

-5 11 5 2474.38 2631.16 56.32 o

-4 11 5 203.64 223.21 19.75 o

-3 11 5 314.09 365.21 23.01 o

-2 11 5 892.78 904.53 33.14 o

-1 11 5 568.42 567.48 27.47 o

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1 11 5 635.20 678.91 29.19 o

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3 11 5 15.53 13.39 13.74 o

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-5 12 5 508.21 453.64 26.44 o

-4 12 5 1515.00 1527.29 44.81 o

-3 12 5 97.65 89.97 15.62 o

-2 12 5 85.90 94.26 16.83 o

-1 12 5 2716.44 2604.72 55.97 o

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1 12 5 265.00 322.63 22.66 o

2 12 5 115.38 100.79 16.66 o

3 12 5 1128.72 1183.54 39.66 o

-3 13 5 208.98 158.48 20.09 o

-2 13 5 113.33 147.49 18.20 o

-1 13 5 140.57 122.42 18.20 o

0 13 5 147.56 142.34 18.89 o

-10 0 6 67.13 71.26 15.11 o

-9 0 6 10614.01 10500.28 104.05 o

-8 0 6 23.87 52.03 13.05 o

-7 0 6 1.34 -7.90 9.79 o

-6 0 6 1653.30 1658.81 37.77 o

-5 0 6 510.08 490.72 22.32 o

-4 0 6 417.56 411.06 20.26 o

-3 0 6 3166.06 3085.83 47.22 o

-2 0 6 13.49 36.74 10.82 o

-1 0 6 43.22 55.29 10.82 o

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-9 1 6 15.23 16.31 13.39 o

-8 1 6 12.19 10.65 11.33 o

-7 1 6 66.57 51.34 11.68 o

-6 1 6 1038.28 1016.82 30.22 o

-5 1 6 0.91 9.96 10.30 o

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-3 1 6 1418.97 1459.13 33.65 o

-2 1 6 432.90 384.10 18.89 o

-1 1 6 6797.73 6672.00 67.99 o

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-9 2 6 19.25 21.81 12.71 o

-8 2 6 176.07 207.42 17.69 o

-7 2 6 14.59 22.49 11.16 o

-6 2 6 80.94 100.10 13.22 o

-5 2 6 1119.39 1123.45 31.76 o

-4 2 6 270.42 273.52 18.03 o

-3 2 6 2640.94 2575.19 45.33 o

-2 2 6 4176.33 4128.58 55.12 o

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-5 3 6 124.28 125.00 14.59 o

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-9 4 6 2353.25 2306.99 52.03 o

-8 4 6 125.03 133.41 15.45 o

-7 4 6 272.62 267.51 19.40 o

-6 4 6 215.59 197.29 16.66 o

-5 4 6 46.44 37.60 11.50 o

-4 4 6 1311.79 1312.15 34.68 o

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-2 4 6 3.81 -9.44 9.96 o

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-8 5 6 311.75 291.38 21.63 o

-7 5 6 4.66 3.61 12.88 o

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-5 5 6 8.83 10.13 11.85 o

-4 5 6 62.80 73.66 13.05 o

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-7 6 6 30.50 43.78 14.25 o

-6 6 6 42.23 51.68 13.22 o

-5 6 6 1527.70 1564.89 40.35 o

-4 6 6 4.94 -10.30 10.99 o

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-2 8 6 89.30 81.90 14.77 o

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-7 9 6 126.75 113.15 18.03 o

-6 9 6 83.33 109.20 15.97 o

-5 9 6 450.75 447.97 25.76 o

-4 9 6 1022.15 1005.32 35.37 o

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-5 5 7 649.35 600.44 28.67 o

-4 5 7 70.80 102.33 15.11 o

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