

Am -88-383

Crystal structure of franklinfurnceite: A tridoctahedral zincosilicate intermediate between chlorite and mica

Peacor, et al.

To be deposited: Table 2

American Mineralogist, 73, 7-8, 876-887

TABLE 2. OBSERVED AND CALCULATED STRUCTURE FACTORS FOR FRANKLINFURNACEITE

| H  | K  | L | FO     | FC     | A      | B      | PHI    | DEL(F) | SIG*(F) |
|----|----|---|--------|--------|--------|--------|--------|--------|---------|
| 2  | 0  | 0 | 257.24 | 251.26 | 251.07 | 9.72   | 2.22   | 5.99   | 0.25    |
| 4  | 0  | 0 | 19.84  | 17.32  | 17.15  | 2.42   | 8.05   | 2.52   | 0.66    |
| 6  | 0  | 0 | 20.60  | 19.25  | 19.23  | 0.92   | 2.73   | 1.35   | 1.10    |
| 3  | 1  | 0 | 35.88  | 34.99  | 2.16   | -34.92 | 273.53 | 0.89   | 0.28    |
| 5  | 1  | 0 | 22.43  | 21.50  | -9.35  | -19.36 | 244.23 | 0.93   | 0.51    |
| 7  | 1  | 0 | 23.56  | 24.59  | 23.75  | 6.35   | 14.97  | -1.02  | 0.92    |
| 2  | 2  | 0 | 20.82  | 18.11  | 1.29   | 18.06  | 85.91  | 2.71   | 0.29    |
| 4  | 2  | 0 | 20.96  | 22.13  | 20.07  | -9.33  | 335.07 | -1.17  | 0.42    |
| 6  | 2  | 0 | 26.09  | 25.16  | 11.27  | -22.50 | 296.61 | 0.93   | 0.64    |
| 3  | 3  | 0 | 39.01  | 36.71  | 33.32  | -15.42 | 335.17 | 2.30   | 0.28    |
| 5  | 3  | 0 | 119.27 | 122.01 | 121.95 | 3.87   | 1.82   | -2.74  | 0.31    |
| 2  | 4  | 0 | 30.03  | 30.69  | 15.11  | -26.71 | 299.49 | -0.66  | 0.32    |
| 4  | 4  | 0 | 25.47  | 24.71  | 14.45  | 20.04  | 54.21  | 0.76   | 0.39    |
| 6  | 4  | 0 | 28.67  | 28.95  | 0.81   | 28.94  | 88.39  | -0.28  | 0.65    |
| 1  | 5  | 0 | 38.63  | 38.02  | 28.49  | -25.18 | 318.53 | 0.61   | 0.23    |
| 3  | 5  | 0 | 33.54  | 12.23  | -8.86  | 8.43   | 136.41 | -2.93  | 0.91    |
| 5  | 5  | 0 | 93.30  | 33.49  | -30.16 | 14.54  | 154.26 | 0.05   | 0.44    |
| 2  | 6  | 0 | 172.96 | 171.00 | 167.51 | 34.37  | 11.60  | 1.96   | 0.25    |
| 4  | 6  | 0 | 22.95  | 24.22  | 22.70  | -8.45  | 339.58 | -1.27  | 0.49    |
| 6  | 6  | 0 | 26.54  | 25.92  | 21.10  | -15.07 | 324.46 | 0.61   | 0.67    |
| 1  | 7  | 0 | 66.51  | 66.57  | 46.53  | 47.60  | 45.65  | -0.06  | 0.20    |
| 3  | 7  | 0 | 31.86  | 32.79  | 7.22   | 31.98  | 282.73 | -0.92  | 0.45    |
| 5  | 7  | 0 | 19.66  | 19.54  | 5.55   | -18.74 | 286.48 | 0.11   | 0.69    |
| 2  | 8  | 0 | 12.13  | 11.44  | -11.31 | 1.71   | 171.42 | 0.68   | 0.75    |
| 4  | 8  | 0 | 13.82  | 14.44  | 13.06  | 6.17   | 25.29  | -0.62  | 0.92    |
| 1  | 9  | 0 | 82.99  | 82.47  | -53.79 | -62.52 | 229.29 | 0.52   | 0.22    |
| 3  | 9  | 0 | 33.13  | 32.36  | 22.80  | -22.97 | 314.79 | 0.77   | 0.49    |
| 2  | 10 | 0 | 14.57  | 18.68  | 14.73  | -11.48 | 322.07 | -4.11  | 0.87    |
| 4  | 10 | 0 | 18.13  | 20.23  | 17.58  | 10.01  | 29.64  | -2.10  | 0.90    |
| 1  | 11 | 0 | 16.51  | 15.36  | 15.20  | -2.25  | 351.58 | 1.15   | 0.67    |
| 3  | 11 | 0 | 14.30  | 13.09  | -12.97 | -1.81  | 187.97 | 1.21   | 1.08    |
| -6 | 0  | 1 | 23.43  | 19.03  | 18.96  | 1.61   | 4.86   | 4.39   | 0.94    |
| -4 | 0  | 1 | 97.06  | 96.24  | -96.14 | -4.41  | 182.63 | 0.82   | 0.37    |
| -2 | 0  | 1 | 79.45  | 78.96  | -78.86 | -4.08  | 182.96 | 0.49   | 0.25    |
| 2  | 0  | 1 | 234.88 | 222.33 | 222.19 | 7.64   | 1.97   | 12.56  | 0.26    |
| 4  | 0  | 1 | 31.76  | 31.18  | 30.86  | 4.49   | 8.28   | 0.58   | 0.50    |
| -5 | 1  | 1 | 23.40  | 27.23  | 12.79  | -24.04 | 298.02 | -3.83  | 0.72    |
| -3 | 1  | 1 | 62.21  | 63.04  | -28.79 | -56.08 | 242.82 | -0.83  | 0.33    |
| 3  | 1  | 1 | 47.03  | 46.19  | 2.30   | 46.14  | 87.15  | 0.84   | 0.37    |
| 5  | 1  | 1 | 65.36  | 65.52  | -65.15 | -7.01  | 186.14 | -0.16  | 0.49    |
| 7  | 1  | 1 | 68.47  | 71.53  | -68.46 | -20.73 | 196.85 | -3.06  | 0.70    |
| -6 | 2  | 1 | 13.07  | 12.71  | -1.53  | 12.61  | 96.93  | 0.36   | 1.54    |
| -4 | 2  | 1 | 47.46  | 47.62  | 45.31  | -14.63 | 342.11 | -0.15  | 0.41    |
| -2 | 2  | 1 | 34.62  | 35.49  | 2.35   | -35.42 | 273.79 | -0.87  | 0.31    |
| 4  | 2  | 1 | 60.79  | 60.39  | -35.42 | 48.91  | 125.91 | 0.41   | 0.28    |
| 2  | 2  | 1 | 36.95  | 37.03  | 35.20  | 11.51  | 18.10  | -0.08  | 0.46    |
| 6  | 2  | 1 | 41.86  | 43.43  | 43.13  | -5.10  | 353.26 | -1.56  | 0.71    |
| -7 | 3  | 1 | 25.18  | 23.95  | 23.86  | -2.10  | 354.98 | 1.23   | 1.23    |
| -5 | 3  | 1 | 147.54 | 149.44 | 147.80 | 22.08  | 8.49   | -1.90  | 0.42    |
| -3 | 3  | 1 | 388.12 | 393.66 | 390.47 | 50.01  | 7.30   | -5.54  | 0.30    |
| 3  | 3  | 1 | 37.48  | 36.78  | 34.03  | -13.96 | 337.70 | 0.69   | 0.41    |
| 5  | 3  | 1 | 77.65  | 80.38  | 80.28  | 4.01   | 2.86   | -2.73  | 0.46    |
| -6 | 4  | 1 | 22.57  | 19.99  | 4.94   | -19.37 | 284.31 | 2.58   | 1.01    |
| -4 | 4  | 1 | 52.74  | 56.03  | 44.52  | 34.03  | 37.40  | -3.29  | 0.42    |
| -2 | 4  | 1 | 51.65  | 50.81  | 30.88  | 40.34  | 52.56  | 0.85   | 0.40    |
| 2  | 4  | 1 | 36.63  | 36.89  | 0.35   | -36.88 | 270.55 | -0.25  | 0.45    |

|    |    |   |        |        |         |        |        |       |      |
|----|----|---|--------|--------|---------|--------|--------|-------|------|
| 4  | 4  | 1 | 32.93  | 34.72  | 26.15   | 22.83  | 41.12  | -1.79 | 0.52 |
| 6  | 4  | 1 | 51.10  | 52.15  | 41.79   | 31.19  | 36.73  | -1.05 | 0.63 |
| -5 | 5  | 1 | 12.20  | 12.05  | -1.15   | 12.00  | 95.50  | 0.15  | 1.19 |
| -3 | 5  | 1 | 74.84  | 76.51  | -76.29  | 5.85   | 175.61 | -1.67 | 0.33 |
| -1 | 5  | 1 | 33.95  | 33.47  | -33.22  | -4.07  | 186.98 | 0.48  | 0.35 |
| 1  | 5  | 1 | 26.01  | 27.56  | 27.33   | 3.60   | 7.50   | -1.56 | 0.44 |
| 3  | 5  | 1 | 12.72  | 14.74  | 7.13    | -12.89 | 298.95 | -2.01 | 0.94 |
| 5  | 5  | 1 | 62.69  | 62.65  | -60.94  | -14.57 | 193.45 | 0.03  | 0.49 |
| -6 | 6  | 1 | 16.66  | 21.40  | 17.33   | -12.55 | 324.08 | -4.74 | 1.64 |
| -4 | 6  | 1 | 82.21  | 83.08  | -72.17  | -41.16 | 209.69 | -0.87 | 0.41 |
| -2 | 6  | 1 | 83.61  | 80.67  | -63.44  | -49.83 | 218.15 | 2.94  | 0.37 |
| 2  | 6  | 1 | 151.04 | 146.37 | 145.74  | 13.53  | 5.30   | 4.67  | 0.37 |
| 4  | 6  | 1 | 39.22  | 40.48  | 40.47   | 0.32   | 0.45   | -1.26 | 0.52 |
| -5 | 7  | 1 | 23.22  | 24.03  | 15.63   | -18.25 | 310.58 | -0.82 | 0.83 |
| -3 | 7  | 1 | 40.50  | 40.05  | 18.56   | -35.49 | 297.61 | 0.45  | 0.57 |
| -1 | 7  | 1 | 8.24   | 8.65   | 4.13    | -7.60  | 298.48 | -0.41 | 1.22 |
| 1  | 7  | 1 | 41.01  | 40.13  | 18.40   | 35.66  | 62.71  | 0.88  | 0.37 |
| 3  | 7  | 1 | 26.31  | 26.23  | -2.37   | 26.12  | 95.19  | 0.08  | 0.72 |
| 5  | 7  | 1 | 44.74  | 48.22  | -43.51  | -20.79 | 205.54 | -3.48 | 0.63 |
| -4 | 8  | 1 | 25.86  | 25.87  | 25.84   | 1.25   | 2.78   | -0.00 | 0.84 |
| -2 | 8  | 1 | 19.45  | 18.72  | 6.99    | -17.37 | 291.93 | 0.73  | 0.65 |
| 2  | 8  | 1 | 55.46  | 56.29  | -45.60  | 33.00  | 144.11 | -0.83 | 0.45 |
| 4  | 8  | 1 | 38.61  | 39.20  | 16.98   | 35.33  | 64.32  | -0.59 | 0.71 |
| -3 | 9  | 1 | 191.65 | 192.62 | 182.03  | 62.99  | 19.09  | -0.97 | 0.46 |
| -1 | 9  | 1 | 123.70 | 120.63 | 116.21  | 32.35  | 15.56  | 3.07  | 0.28 |
| 1  | 9  | 1 | 20.41  | 22.10  | 19.76   | -9.90  | 333.38 | -1.69 | 0.72 |
| 3  | 9  | 1 | 27.80  | 28.03  | 21.89   | -17.52 | 321.33 | -0.23 | 0.80 |
| -4 | 10 | 1 | 37.74  | 37.26  | 25.95   | 26.74  | 45.86  | 0.47  | 0.73 |
| -2 | 10 | 1 | 23.77  | 26.64  | 16.59   | -20.84 | 308.52 | -2.86 | 0.81 |
| 4  | 10 | 1 | 26.26  | 26.11  | 18.18   | 18.75  | 45.88  | 0.15  | 0.94 |
| -3 | 11 | 1 | 47.23  | 47.56  | -46.39  | -10.50 | 192.75 | -0.33 | 0.63 |
| -1 | 11 | 1 | 11.99  | 16.23  | -15.80  | -3.72  | 193.23 | -4.25 | 1.39 |
| 1  | 11 | 1 | 18.18  | 18.47  | 11.65   | 14.32  | 50.87  | -0.28 | 0.93 |
| -6 | 0  | 2 | 211.13 | 210.13 | 209.79  | 11.91  | 3.25   | 1.00  | 0.47 |
| -4 | 0  | 2 | 151.42 | 147.68 | 147.45  | 8.20   | 3.18   | 3.74  | 0.36 |
| -2 | 0  | 2 | 4.52   | 3.38   | 2.85    | 1.81   | 32.43  | 1.14  | 1.41 |
| 2  | 0  | 2 | 120.63 | 116.78 | 116.56  | 7.07   | 3.47   | 3.85  | 0.28 |
| 4  | 0  | 2 | 195.62 | 190.32 | 190.00  | 10.86  | 3.27   | 5.30  | 0.38 |
| 6  | 0  | 2 | 87.11  | 86.64  | 86.31   | 7.60   | 5.03   | 0.47  | 0.54 |
| -7 | 1  | 2 | 22.69  | 24.21  | 19.70   | 14.07  | 35.53  | -1.51 | 1.34 |
| -5 | 1  | 2 | 14.34  | 15.40  | 1.77    | 15.30  | 83.40  | -1.06 | 1.06 |
| -3 | 1  | 2 | 19.92  | 21.91  | -20.78  | -6.94  | 198.48 | -1.99 | 0.51 |
| 3  | 1  | 2 | 92.04  | 91.72  | 80.12   | 44.63  | 29.12  | 0.32  | 0.33 |
| 5  | 1  | 2 | 82.70  | 82.48  | 75.74   | 32.65  | 23.32  | 0.23  | 0.46 |
| 7  | 1  | 2 | 28.88  | 24.50  | 21.11   | -12.44 | 329.50 | 4.38  | 1.02 |
| -6 | 2  | 2 | 44.39  | 44.64  | -40.81  | 18.11  | 156.06 | -0.26 | 0.63 |
| -4 | 2  | 2 | 34.42  | 35.02  | -34.40  | 6.54   | 169.24 | -0.59 | 0.47 |
| -2 | 2  | 2 | 48.83  | 49.48  | 32.15   | -37.61 | 310.53 | -0.65 | 0.30 |
| 4  | 2  | 2 | 120.11 | 117.61 | -117.07 | -11.31 | 185.52 | 2.50  | 0.28 |
| 6  | 2  | 2 | 44.62  | 45.44  | -43.84  | 11.95  | 176.21 | 0.58  | 0.37 |
| -7 | 3  | 2 | 66.93  | 63.89  | -61.62  | -16.89 | 195.33 | 3.03  | 0.67 |
| -5 | 3  | 2 | 60.51  | 59.09  | -55.65  | -19.86 | 199.64 | 1.42  | 0.49 |
| -3 | 3  | 2 | 68.95  | 68.33  | 67.95   | -7.17  | 353.98 | 0.62  | 0.33 |
| 3  | 3  | 2 | 19.26  | 18.40  | -8.22   | -16.46 | 243.47 | 0.85  | 0.58 |
| 5  | 3  | 2 | 17.75  | 22.85  | 19.98   | -11.09 | 330.96 | -5.10 | 1.02 |
| -6 | 4  | 2 | 36.20  | 31.81  | -1.72   | -31.76 | 266.90 | 4.39  | 0.71 |
| -4 | 4  | 2 | 12.86  | 12.82  | -10.55  | -7.28  | 214.62 | 0.04  | 0.97 |
| -2 | 4  | 2 | 75.69  | 73.34  | 14.79   | 71.84  | 78.36  | 2.35  | 0.38 |

|    |    |   |        |        |         |        |        |       |      |
|----|----|---|--------|--------|---------|--------|--------|-------|------|
| 2  | 4  | 2 | 107.81 | 104.99 | -100.29 | -31.07 | 197.21 | 2.82  | 0.38 |
| 4  | 4  | 2 | 91.47  | 90.09  | -83.01  | -35.01 | 202.87 | 1.37  | 0.40 |
| 6  | 4  | 2 | 31.34  | 32.22  | -23.40  | -22.14 | 223.42 | -0.88 | 0.84 |
| -5 | 5  | 2 | 12.05  | 13.43  | -2.91   | -13.11 | 257.48 | -1.38 | 1.32 |
| -3 | 5  | 2 | 27.43  | 27.87  | -27.59  | -3.96  | 188.16 | -0.44 | 0.46 |
| -1 | 5  | 2 | 75.15  | 75.38  | -54.89  | 51.66  | 136.74 | -0.23 | 0.31 |
| 1  | 5  | 2 | 73.96  | 72.56  | 47.96   | 54.45  | 48.63  | 1.41  | 0.31 |
| 3  | 5  | 2 | 63.90  | 65.94  | 65.90   | 2.26   | 1.97   | -2.04 | 0.37 |
| 5  | 5  | 2 | 59.35  | 58.32  | 58.19   | -3.86  | 356.20 | 1.03  | 0.51 |
| -6 | 6  | 2 | 164.42 | 162.22 | 156.80  | 41.55  | 14.84  | 2.21  | 0.50 |
| -4 | 6  | 2 | 114.66 | 113.05 | 109.36  | 28.64  | 14.67  | 1.61  | 0.38 |
| -2 | 6  | 2 | 18.84  | 20.59  | 17.86   | -10.24 | 330.17 | -1.75 | 0.66 |
| 0  | 6  | 2 | 45.54  | 43.57  | 37.51   | -22.17 | 329.41 | 1.97  | 0.30 |
| 2  | 6  | 2 | 96.47  | 93.41  | 93.41   | 0.40   | 0.25   | 3.06  | 0.40 |
| 4  | 6  | 2 | 137.71 | 138.86 | 134.96  | 32.66  | 13.60  | -1.15 | 0.40 |
| 6  | 6  | 2 | 67.69  | 68.70  | 64.65   | 23.23  | 19.76  | -1.01 | 0.58 |
| -5 | 7  | 2 | 22.03  | 21.77  | 14.58   | 16.16  | 47.95  | 0.27  | 0.94 |
| -3 | 7  | 2 | 11.40  | 12.49  | -7.36   | -10.09 | 233.91 | -1.09 | 1.33 |
| -1 | 7  | 2 | 22.73  | 21.17  | 7.38    | -19.84 | 290.41 | 1.56  | 0.51 |
| 1  | 7  | 2 | 32.30  | 32.90  | 26.59   | 19.37  | 36.07  | -0.60 | 0.42 |
| 3  | 7  | 2 | 80.85  | 81.59  | 61.53   | 53.58  | 41.05  | -0.73 | 0.51 |
| 5  | 7  | 2 | 75.90  | 75.04  | 60.70   | 44.11  | 36.00  | 0.87  | 0.49 |
| -4 | 8  | 2 | 23.40  | 22.53  | -22.53  | -0.25  | 180.63 | 0.88  | 0.91 |
| -2 | 8  | 2 | 20.51  | 19.74  | 18.08   | 7.91   | 23.62  | 0.77  | 0.70 |
| 0  | 8  | 2 | 15.13  | 11.79  | -11.58  | -2.18  | 190.65 | 3.34  | 0.68 |
| 2  | 8  | 2 | 72.83  | 72.22  | -69.26  | -20.44 | 196.44 | 0.62  | 0.42 |
| 4  | 8  | 2 | 101.84 | 100.82 | -99.59  | -15.69 | 188.95 | 1.02  | 0.58 |
| -3 | 9  | 2 | 42.49  | 41.32  | 39.12   | -13.30 | 341.21 | 1.17  | 0.63 |
| -1 | 9  | 2 | 107.73 | 105.87 | 103.61  | 21.76  | 11.86  | 1.85  | 0.30 |
| 1  | 9  | 2 | 34.36  | 33.60  | 33.46   | -3.09  | 354.73 | 0.76  | 0.49 |
| 3  | 9  | 2 | 26.28  | 27.79  | 1.42    | -27.75 | 272.92 | -1.51 | 0.77 |
| -4 | 10 | 2 | 12.62  | 7.77   | 7.23    | 2.85   | 21.51  | 4.85  | 1.57 |
| -2 | 10 | 2 | 39.64  | 38.50  | 10.86   | 36.93  | 73.61  | 1.14  | 0.54 |
| 0  | 10 | 2 | 10.62  | 6.87   | -2.36   | 6.45   | 110.06 | 3.75  | 1.20 |
| 2  | 10 | 2 | 53.39  | 53.02  | -39.35  | -35.53 | 222.08 | 0.37  | 0.54 |
| 4  | 10 | 2 | 33.74  | 36.43  | -24.91  | -26.58 | 226.85 | -2.69 | 0.88 |
| -3 | 11 | 2 | 23.83  | 23.05  | -22.73  | -3.80  | 189.50 | 0.78  | 0.87 |
| -1 | 11 | 2 | 49.97  | 49.95  | -42.85  | 25.67  | 149.07 | 0.02  | 0.42 |
| 1  | 11 | 2 | 44.60  | 45.71  | 12.18   | 44.05  | 74.54  | -1.11 | 0.46 |
| 3  | 11 | 2 | 39.91  | 41.40  | 33.60   | 24.19  | 35.75  | -1.49 | 0.66 |
| -6 | 0  | 3 | 48.54  | 50.76  | 50.65   | 3.34   | 3.77   | -2.22 | 0.63 |
| -4 | 0  | 3 | 147.28 | 145.70 | 145.52  | 7.25   | 2.85   | 1.57  | 0.37 |
| -2 | 0  | 3 | 47.51  | 35.90  | -35.70  | 3.78   | 173.96 | 11.60 | 0.30 |
| 2  | 0  | 3 | 125.33 | 113.44 | 113.42  | -2.32  | 358.83 | 11.89 | 0.28 |
| 4  | 0  | 3 | 33.81  | 31.28  | 31.15   | 2.84   | 5.21   | 2.54  | 0.52 |
| 6  | 0  | 3 | 60.98  | 60.11  | 59.82   | 5.90   | 5.63   | 0.87  | 0.61 |
| -7 | 1  | 3 | 18.37  | 12.89  | -7.61   | -10.41 | 233.85 | 5.48  | 1.50 |
| -5 | 1  | 3 | 46.20  | 45.88  | 15.23   | 43.28  | 70.62  | 0.32  | 0.51 |
| -3 | 1  | 3 | 43.95  | 44.84  | -31.48  | 31.94  | 134.58 | -0.89 | 0.38 |
| -1 | 1  | 3 | 115.52 | 123.19 | -119.24 | -30.92 | 194.54 | -7.67 | 0.21 |
| 3  | 1  | 3 | 174.86 | 175.44 | -168.34 | -49.41 | 196.36 | -0.58 | 0.22 |
| 5  | 1  | 3 | 64.12  | 62.16  | -56.04  | -26.89 | 205.64 | 1.96  | 0.36 |
| 5  | 1  | 3 | 9.10   | 10.65  | 10.65   | -0.02  | 359.91 | -1.55 | 1.73 |
| -6 | 2  | 3 | 16.59  | 17.57  | -16.81  | 5.12   | 163.04 | -0.98 | 1.22 |
| -4 | 2  | 3 | 41.27  | 41.91  | -37.92  | 17.85  | 154.80 | -0.65 | 0.45 |
| -2 | 2  | 3 | 69.69  | 67.47  | 58.11   | 34.29  | 30.55  | 2.22  | 0.28 |
| 2  | 2  | 3 | 120.07 | 116.48 | 110.39  | -37.15 | 341.40 | 3.59  | 0.28 |
| 4  | 2  | 3 | 23.53  | 25.47  | 18.57   | 17.43  | 43.18  | -1.94 | 0.65 |
| 6  | 2  | 3 | 43.92  | 44.34  | -38.46  | 22.08  | 150.14 | -0.42 | 0.66 |
| -7 | 3  | 3 | 72.73  | 71.09  | 69.16   | 16.42  | 13.36  | 1.65  | 0.68 |

|    |    |        |        |        |        |        |       |      |
|----|----|--------|--------|--------|--------|--------|-------|------|
| -5 | 3  | 14.50  | 13.35  | 12.41  | -4.93  | 338.35 | 1.15  | 0.99 |
| -3 | 3  | 52.18  | 52.72  | 50.59  | -14.84 | 343.66 | -0.54 | 0.36 |
| -1 | 3  | 105.54 | 109.61 | 109.60 | -1.49  | 359.22 | -4.07 | 0.30 |
| 1  | 3  | 285.20 | 279.28 | 276.45 | 39.60  | 8.15   | 5.93  | 0.31 |
| 3  | 3  | 149.00 | 147.48 | 145.88 | 21.68  | 8.45   | 1.52  | 0.33 |
| 5  | 3  | 61.99  | 65.93  | 65.93  | -0.27  | 359.76 | -3.94 | 0.51 |
| -6 | 4  | 10.05  | 10.03  | -6.07  | -7.98  | 232.77 | 0.03  | 1.95 |
| -4 | 4  | 9.03   | 10.45  | -8.27  | -6.38  | 217.64 | -1.42 | 1.36 |
| -2 | 4  | 38.22  | 38.65  | 37.67  | 8.67   | 12.97  | -0.43 | 0.49 |
| 2  | 4  | 138.05 | 133.90 | 118.12 | 63.07  | 28.10  | 4.15  | 0.28 |
| 4  | 4  | 36.02  | 33.16  | 30.58  | -12.80 | 337.29 | 2.87  | 0.54 |
| 6  | 4  | 30.43  | 30.77  | -10.35 | -28.97 | 250.34 | -0.34 | 0.88 |
| -5 | 5  | 23.11  | 22.58  | 20.56  | -9.34  | 335.56 | 0.54  | 0.75 |
| -3 | 5  | 30.15  | 30.00  | -20.95 | -21.47 | 225.70 | 0.15  | 0.49 |
| -1 | 5  | 81.09  | 85.39  | -85.07 | -7.48  | 185.02 | -4.30 | 0.31 |
| 1  | 5  | 165.10 | 167.34 | 167.28 | 4.40   | 178.49 | -2.23 | 0.31 |
| 3  | 5  | 64.46  | 64.22  | -63.86 | -6.82  | 186.09 | 0.23  | 0.40 |
| 5  | 5  | 14.67  | 14.18  | 5.26   | -13.17 | 291.77 | 0.49  | 1.18 |
| -6 | 6  | 36.00  | 39.49  | 39.49  | -0.40  | 359.42 | -3.49 | 0.87 |
| -4 | 6  | 114.35 | 111.41 | 110.69 | 12.63  | 6.51   | 2.94  | 0.40 |
| -2 | 6  | 19.13  | 21.60  | 17.91  | -12.08 | 325.99 | -2.47 | 0.73 |
| 0  | 6  | 36.62  | 36.47  | -7.81  | -35.62 | 257.63 | 0.15  | 0.37 |
| 2  | 6  | 48.36  | 47.25  | 39.80  | -25.47 | 327.38 | 1.11  | 0.49 |
| 4  | 6  | 23.67  | 25.22  | 24.53  | -5.86  | 346.55 | -1.54 | 0.72 |
| 6  | 6  | 49.74  | 48.90  | 48.82  | 2.78   | 3.25   | 0.84  | 0.71 |
| -5 | 7  | 43.34  | 42.57  | 7.82   | 41.85  | 79.42  | 0.77  | 0.59 |
| -3 | 7  | 13.13  | 17.19  | -14.55 | 9.17   | 147.79 | -4.07 | 1.36 |
| -1 | 7  | 81.84  | 81.33  | -64.25 | -49.86 | 217.81 | 0.51  | 0.33 |
| 1  | 7  | 66.36  | 67.89  | -52.57 | -42.97 | 219.26 | -1.54 | 0.36 |
| 3  | 7  | 29.37  | 28.83  | -18.52 | -22.10 | 230.04 | 0.54  | 0.75 |
| 5  | 7  | 17.76  | 18.45  | 17.36  | -6.24  | 340.23 | -0.69 | 1.08 |
| -4 | 8  | 44.09  | 44.17  | -39.03 | 20.67  | 152.10 | -0.08 | 0.68 |
| -2 | 8  | 53.80  | 54.17  | 27.04  | 46.94  | 60.06  | -0.37 | 0.46 |
| 0  | 8  | 82.62  | 81.19  | 77.27  | 24.93  | 17.88  | 1.43  | 0.33 |
| 2  | 8  | 55.16  | 52.90  | 52.86  | -1.94  | 357.89 | 2.26  | 0.49 |
| 4  | 8  | 12.30  | 12.31  | 8.27   | 9.12   | 47.81  | -0.01 | 1.65 |
| -3 | 9  | 32.01  | 34.14  | 29.28  | -17.55 | 329.06 | -2.13 | 0.71 |
| -1 | 9  | 71.54  | 72.96  | 72.57  | 7.52   | 5.92   | -1.42 | 0.36 |
| 1  | 9  | 131.33 | 134.62 | 128.23 | 40.99  | 17.73  | -3.29 | 0.35 |
| 3  | 9  | 80.03  | 79.83  | 77.05  | 20.89  | 15.17  | 0.20  | 0.54 |
| -2 | 10 | 28.92  | 29.34  | 28.03  | 8.68   | 17.20  | -0.42 | 0.66 |
| 0  | 10 | 78.08  | 78.43  | 60.16  | 50.32  | 39.91  | -0.35 | 0.35 |
| 2  | 10 | 83.69  | 81.51  | 60.34  | 54.80  | 42.24  | 2.18  | 0.49 |
| -3 | 11 | 20.69  | 19.68  | -18.23 | -7.39  | 202.08 | 1.01  | 1.07 |
| -1 | 11 | 52.48  | 51.88  | -48.96 | -17.14 | 199.30 | 0.61  | 0.42 |
| 1  | 11 | 84.91  | 85.66  | -83.49 | -19.19 | 192.94 | -0.76 | 0.40 |
| 3  | 11 | 38.08  | 38.19  | -34.33 | -16.74 | 205.99 | -0.11 | 0.75 |
| -6 | 0  | 32.97  | 37.02  | 36.98  | 1.68   | 2.61   | -4.05 | 0.75 |
| -4 | 0  | 102.61 | 101.46 | 101.19 | 7.40   | 4.18   | 1.14  | 0.37 |
| -2 | 0  | 260.78 | 265.54 | 265.30 | 11.29  | 2.44   | -4.75 | 0.26 |
| 0  | 0  | 230.08 | 234.54 | 234.41 | 7.94   | 1.94   | -4.46 | 0.22 |
| 2  | 0  | 161.09 | 149.49 | 149.47 | 2.38   | 0.91   | 11.61 | 0.30 |
| 4  | 0  | 78.29  | 80.83  | 80.80  | 2.49   | 1.77   | -2.54 | 0.42 |
| 6  | 0  | 80.04  | 79.33  | 78.97  | 7.65   | 5.53   | 0.70  | 0.56 |
| -7 | 1  | 14.55  | 9.35   | -8.99  | -2.55  | 195.82 | 5.20  | 1.73 |
| -5 | 1  | 34.44  | 36.34  | 36.31  | 1.54   | 2.44   | -1.90 | 0.58 |
| -3 | 1  | 149.81 | 151.31 | 146.38 | 38.30  | 14.66  | -1.49 | 0.33 |
| -1 | 1  | 133.14 | 138.81 | 132.46 | 41.49  | 17.39  | -5.67 | 0.22 |
| 1  | 1  | 28.27  | 26.36  | 23.85  | -11.23 | 334.77 | 1.91  | 0.33 |
| 3  | 1  | 67.38  | 66.75  | -33.59 | -57.68 | 239.79 | 0.63  | 0.38 |

|    |    |   |        |        |         |        |        |       |      |
|----|----|---|--------|--------|---------|--------|--------|-------|------|
| 5  | 1  | 4 | 12.78  | 12.05  | -7.58   | -9.37  | 231.04 | 0.73  | 1.22 |
| -6 | 2  | 4 | 28.36  | 28.31  | -17.25  | -22.44 | 232.46 | 0.05  | 0.86 |
| -4 | 2  | 4 | 65.17  | 63.53  | -63.14  | 7.03   | 173.65 | 1.64  | 0.41 |
| -2 | 2  | 4 | 149.91 | 152.35 | -147.89 | 36.56  | 166.11 | -2.44 | 0.28 |
| 0  | 2  | 4 | 99.48  | 98.53  | -98.53  | 1.11   | 179.35 | 0.95  | 0.24 |
| 2  | 2  | 4 | 36.88  | 35.90  | 21.70   | -28.60 | 307.19 | 0.98  | 0.36 |
| 4  | 2  | 4 | 64.30  | 65.95  | 62.84   | -20.03 | 342.32 | -1.66 | 0.44 |
| 6  | 2  | 4 | 9.28   | 14.68  | 11.10   | 9.61   | 40.90  | -5.41 | 2.44 |
| -7 | 3  | 4 | 76.23  | 74.24  | 74.02   | 5.68   | 4.39   | 1.99  | 0.65 |
| -5 | 3  | 4 | 22.76  | 22.02  | 21.49   | -4.80  | 347.40 | 0.74  | 0.78 |
| -3 | 3  | 4 | 24.07  | 24.04  | -9.68   | -22.01 | 246.27 | 0.03  | 0.51 |
| -1 | 3  | 4 | 110.08 | 104.71 | 103.78  | -13.85 | 352.40 | 5.37  | 0.33 |
| 1  | 3  | 4 | 42.49  | 44.43  | 44.25   | -3.97  | 354.87 | -1.95 | 0.28 |
| 3  | 3  | 4 | 107.83 | 104.89 | 104.54  | 8.47   | 4.63   | 2.94  | 0.35 |
| 5  | 3  | 4 | 31.58  | 34.27  | 33.23   | -8.41  | 345.79 | -2.70 | 0.71 |
| -6 | 4  | 4 | 21.07  | 23.08  | -18.84  | 13.32  | 144.75 | -2.01 | 1.28 |
| -4 | 4  | 4 | 67.75  | 64.95  | -55.57  | -33.64 | 211.19 | 2.80  | 0.44 |
| -2 | 4  | 4 | 91.75  | 94.77  | -74.47  | -58.61 | 218.21 | -3.02 | 0.30 |
| 0  | 4  | 4 | 62.47  | 58.67  | -44.31  | -38.46 | 220.96 | 3.80  | 0.35 |
| 2  | 4  | 4 | 33.91  | 31.73  | 30.89   | 7.26   | 13.24  | 2.19  | 0.40 |
| 4  | 4  | 4 | 62.85  | 63.93  | 50.75   | 38.88  | 37.46  | -1.08 | 0.44 |
| 6  | 4  | 4 | 13.27  | 10.03  | 9.60    | 2.90   | 16.79  | 3.24  | 1.70 |
| -5 | 5  | 4 | 37.94  | 38.36  | 30.24   | 23.60  | 37.97  | -0.42 | 0.59 |
| -3 | 5  | 4 | 121.28 | 117.75 | 116.96  | 13.65  | 6.66   | 3.53  | 0.35 |
| -1 | 5  | 4 | 73.88  | 77.21  | 74.70   | -19.56 | 345.33 | -3.33 | 0.35 |
| 1  | 5  | 4 | 10.70  | 6.94   | 6.32    | 2.87   | 24.40  | 3.76  | 0.84 |
| 3  | 5  | 4 | 68.50  | 69.53  | -60.57  | 34.14  | 150.59 | -1.04 | 0.40 |
| 5  | 5  | 4 | 15.04  | 16.29  | -15.08  | 6.18   | 157.71 | -1.25 | 1.25 |
| -6 | 6  | 4 | 34.87  | 36.21  | 33.31   | -14.22 | 336.88 | -1.34 | 0.75 |
| -4 | 6  | 4 | 83.08  | 82.19  | 81.69   | 9.10   | 6.36   | 0.89  | 0.41 |
| -2 | 6  | 4 | 176.36 | 177.40 | 172.62  | 40.93  | 13.34  | -1.04 | 0.40 |
| 0  | 6  | 4 | 145.30 | 141.60 | 140.13  | 20.39  | 8.28   | 3.70  | 0.33 |
| 2  | 6  | 4 | 83.92  | 83.58  | 83.32   | -6.61  | 355.47 | 0.33  | 0.45 |
| 4  | 6  | 4 | 56.02  | 60.50  | 60.40   | -3.59  | 356.60 | -4.48 | 0.50 |
| -5 | 7  | 4 | 29.47  | 28.68  | 26.87   | 10.02  | 20.45  | 0.79  | 0.83 |
| -3 | 7  | 4 | 97.53  | 96.11  | 83.89   | 46.91  | 29.21  | 1.42  | 0.51 |
| -1 | 7  | 4 | 104.57 | 107.62 | 95.20   | 50.18  | 27.79  | -3.04 | 0.35 |
| 3  | 7  | 4 | 39.42  | 38.44  | 4.92    | -38.12 | 277.36 | 0.55  | 0.46 |
| 5  | 7  | 4 | 13.44  | 17.79  | -7.85   | -15.96 | 243.79 | -4.35 | 1.53 |
| -4 | 8  | 4 | 52.95  | 49.45  | -48.65  | -8.86  | 190.32 | 3.50  | 0.65 |
| -2 | 8  | 4 | 101.74 | 100.30 | -100.19 | -4.79  | 182.74 | 1.43  | 0.44 |
| 0  | 8  | 4 | 65.06  | 63.98  | -57.63  | -27.79 | 205.74 | 1.08  | 0.38 |
| 2  | 8  | 4 | 31.19  | 28.79  | 9.26    | -27.26 | 288.75 | 2.40  | 0.56 |
| 4  | 8  | 4 | 34.20  | 34.56  | 33.78   | 7.30   | 12.20  | -0.37 | 0.83 |
| -3 | 9  | 4 | 33.10  | 32.51  | -3.39   | -32.33 | 264.02 | 0.59  | 0.71 |
| -1 | 9  | 4 | 35.59  | 37.98  | 18.73   | -33.04 | 299.55 | -2.39 | 0.47 |
| 3  | 9  | 4 | 31.93  | 34.36  | 31.00   | -14.80 | 334.48 | -2.42 | 0.56 |
| -4 | 10 | 4 | 59.22  | 58.56  | 58.24   | 6.20   | 6.08   | 0.65  | 0.59 |
| -2 | 10 | 4 | 46.64  | 46.17  | -25.92  | -38.21 | 235.85 | 0.47  | 0.75 |
| 0  | 10 | 4 | 41.79  | 42.54  | -15.19  | -39.74 | 249.09 | -0.75 | 0.56 |
| 2  | 10 | 4 | 22.17  | 22.27  | -7.79   | -20.86 | 249.52 | -0.09 | 0.75 |
| -3 | 11 | 4 | 20.74  | 21.89  | 20.69   | 7.15   | 19.06  | -1.16 | 0.93 |
| -1 | 11 | 4 | 62.64  | 60.90  | 51.91   | 31.86  | 31.54  | 1.74  | 0.59 |
| 1  | 11 | 4 | 33.07  | 33.84  | 32.96   | 7.66   | 13.08  | -0.77 | 0.54 |
| -6 | 0  | 5 | 10.25  | 4.11   | 2.40    | 3.34   | 54.26  | 6.13  | 1.52 |
| -4 | 0  | 5 | 39.48  | 38.03  | -3.23   | -2.06  | 212.57 | 4.95  | 2.13 |
| -2 | 0  | 5 | 43.02  | 44.72  | 44.57   | 3.66   | 357.45 | 1.39  | 0.45 |
| 0  | 0  | 5 | 172.34 | 172.31 | 172.18  | 6.71   | 4.70   | -1.71 | 0.31 |
|    |    |   |        |        |         |        | 2.23   | 0.03  | 0.25 |

|    |    |   |        |        |        |        |        |       |      |
|----|----|---|--------|--------|--------|--------|--------|-------|------|
| 2  | 0  | 5 | 21.54  | 20.68  | 20.54  | 2.34   | 6.50   | 0.86  | 0.49 |
| 4  | 0  | 5 | 84.25  | 81.35  | -81.26 | -3.75  | 182.64 | 2.90  | 0.44 |
| 6  | 0  | 5 | 59.71  | 58.51  | -58.40 | -3.60  | 183.53 | 1.21  | 0.59 |
| -7 | 1  | 5 | 38.15  | 38.32  | -35.83 | -13.59 | 200.77 | -0.17 | 0.84 |
| -5 | 1  | 5 | 73.06  | 75.00  | -65.44 | -36.65 | 209.25 | -1.94 | 0.46 |
| -3 | 1  | 5 | 66.02  | 67.03  | -57.02 | -35.24 | 211.72 | -1.01 | 0.35 |
| -1 | 1  | 5 | 57.54  | 58.35  | 33.95  | 47.46  | 54.43  | -0.81 | 0.28 |
| 1  | 1  | 5 | 89.93  | 87.67  | 66.76  | 56.83  | 40.41  | 2.26  | 0.28 |
| 3  | 1  | 5 | 14.22  | 11.71  | 4.05   | -10.98 | 290.22 | 2.52  | 0.77 |
| 5  | 1  | 5 | 50.20  | 49.69  | -41.49 | -27.35 | 213.39 | 0.51  | 0.54 |
| -6 | 2  | 5 | 89.20  | 89.00  | 88.90  | -4.36  | 357.19 | 0.20  | 0.52 |
| -4 | 2  | 5 | 65.01  | 66.12  | 65.78  | -6.70  | 354.19 | -1.12 | 0.41 |
| -2 | 2  | 5 | 10.01  | 11.03  | -1.84  | 10.88  | 99.61  | -1.02 | 0.75 |
| 0  | 2  | 5 | 102.22 | 101.43 | -85.89 | 53.95  | 147.86 | 0.79  | 0.26 |
| 2  | 2  | 5 | 25.62  | 25.84  | -20.78 | 15.36  | 143.52 | -0.21 | 0.47 |
| 4  | 2  | 5 | 33.36  | 32.92  | 9.71   | -31.46 | 287.15 | 0.44  | 0.54 |
| 6  | 2  | 5 | 26.04  | 28.79  | 20.85  | -19.84 | 316.43 | -2.75 | 1.03 |
| -5 | 3  | 5 | 134.08 | 130.61 | 129.14 | 19.51  | 8.59   | 3.47  | 0.45 |
| -3 | 3  | 5 | 138.00 | 140.07 | 139.33 | 14.38  | 5.89   | -2.07 | 0.33 |
| -1 | 3  | 5 | 145.93 | 145.70 | 145.70 | -0.53  | 359.79 | 0.23  | 0.25 |
| 1  | 3  | 5 | 118.15 | 116.98 | 116.93 | 3.32   | 1.63   | 1.17  | 0.28 |
| 3  | 3  | 5 | 98.54  | 94.30  | 93.15  | 14.64  | 8.93   | 4.25  | 0.37 |
| 5  | 3  | 5 | 182.47 | 184.29 | 182.38 | 26.47  | 8.26   | -1.82 | 0.46 |
| -6 | 4  | 5 | 76.82  | 78.00  | 71.44  | 31.29  | 23.65  | -1.17 | 0.58 |
| -4 | 4  | 5 | 82.57  | 78.88  | 75.89  | 21.52  | 15.83  | 3.69  | 0.42 |
| -2 | 4  | 5 | 18.20  | 21.38  | 20.60  | -5.72  | 344.48 | -3.19 | 0.61 |
| 0  | 4  | 5 | 50.56  | 50.68  | -19.90 | -46.61 | 246.88 | -0.12 | 0.40 |
| 2  | 4  | 5 | 32.73  | 31.67  | -20.61 | -24.04 | 229.39 | 1.07  | 0.42 |
| 4  | 4  | 5 | 35.99  | 34.07  | -6.01  | 33.54  | 100.16 | 1.92  | 0.57 |
| 6  | 4  | 5 | 42.51  | 45.87  | 15.45  | 43.19  | 70.31  | -3.37 | 0.75 |
| -5 | 5  | 5 | 60.71  | 79.26  | -79.07 | 5.43   | 176.07 | 1.45  | 0.50 |
| -3 | 5  | 5 | 64.87  | 65.03  | -63.90 | -12.09 | 190.72 | -0.16 | 0.40 |
| -1 | 5  | 5 | 48.47  | 49.79  | 18.99  | -46.03 | 292.42 | -1.32 | 0.40 |
| 1  | 5  | 5 | 47.89  | 47.59  | 47.26  | -5.55  | 353.30 | 0.30  | 0.42 |
| 3  | 5  | 5 | 30.35  | 32.42  | 6.25   | 31.81  | 78.88  | -2.07 | 0.54 |
| 5  | 5  | 5 | 59.35  | 60.64  | -59.27 | 12.82  | 167.79 | -1.29 | 0.54 |
| -6 | 6  | 5 | 18.47  | 21.40  | 1.68   | -21.33 | 274.50 | -2.92 | 1.43 |
| -4 | 6  | 5 | 24.62  | 26.74  | 17.89  | -19.88 | 311.98 | -2.12 | 0.72 |
| -2 | 6  | 5 | 38.26  | 37.06  | 36.85  | -3.92  | 353.93 | 1.20  | 0.50 |
| 0  | 6  | 5 | 109.95 | 108.69 | 107.95 | 12.68  | 6.70   | 1.26  | 0.37 |
| 2  | 6  | 5 | 34.88  | 35.85  | 25.33  | -25.37 | 314.95 | -0.97 | 0.56 |
| 4  | 6  | 5 | 71.02  | 69.79  | -51.18 | -47.44 | 222.83 | 1.23  | 0.46 |
| -5 | 7  | 5 | 46.67  | 45.63  | -25.58 | -37.79 | 235.91 | 1.04  | 0.62 |
| -3 | 7  | 5 | 34.35  | 34.98  | -14.55 | -31.82 | 245.42 | -0.64 | 0.65 |
| -1 | 7  | 5 | 39.03  | 41.13  | 26.91  | 31.10  | 49.13  | -2.10 | 0.44 |
| 1  | 7  | 5 | 62.77  | 65.68  | 44.66  | 48.16  | 47.16  | -2.91 | 0.42 |
| 5  | 7  | 5 | 25.57  | 23.97  | -9.49  | -22.01 | 246.68 | 1.59  | 0.84 |
| -4 | 8  | 5 | 35.99  | 36.11  | 36.05  | 2.13   | 3.38   | -0.12 | 0.77 |
| 0  | 8  | 5 | 70.74  | 70.02  | -66.89 | 20.71  | 162.79 | 0.72  | 0.41 |
| 2  | 8  | 5 | 28.03  | 28.47  | -27.40 | 7.73   | 164.25 | -0.44 | 0.68 |
| -3 | 9  | 5 | 73.33  | 72.86  | 71.92  | 11.70  | 9.24   | 0.46  | 0.56 |
| -1 | 9  | 5 | 55.93  | 55.56  | 54.87  | -8.72  | 350.97 | 0.36  | 0.42 |
| 1  | 9  | 5 | 53.54  | 54.92  | 54.83  | 3.06   | 3.20   | -1.38 | 0.46 |
| 3  | 9  | 5 | 79.72  | 81.00  | 76.15  | 27.62  | 19.93  | -1.28 | 0.58 |
| -4 | 10 | 5 | 59.33  | 58.56  | 51.52  | 27.84  | 28.39  | 0.77  | 0.67 |
| -2 | 10 | 5 | 18.34  | 20.82  | 20.04  | 5.64   | 15.71  | -2.49 | 0.97 |
| 0  | 10 | 5 | 23.86  | 23.93  | 10.00  | -21.74 | 294.70 | -0.07 | 0.73 |
| 2  | 10 | 5 | 27.09  | 25.71  | -8.23  | -24.35 | 251.33 | 1.38  | 0.71 |
| -1 | 11 | 5 | 19.10  | 19.12  | 8.38   | -17.19 | 295.98 | -0.02 | 0.88 |
| 1  | 11 | 5 | 20.53  | 23.26  | 17.74  | 15.05  | 40.32  | -2.73 | 0.92 |

|    |   |   |        |        |         |        |        |       |      |
|----|---|---|--------|--------|---------|--------|--------|-------|------|
| -6 | 0 | 6 | 76.02  | 78.70  | 78.18   | 5.88   | 4.28   | -2.67 | 0.54 |
| -4 | 0 | 6 | 80.06  | 83.51  | 83.49   | 1.78   | 1.22   | -3.44 | 0.40 |
| -2 | 0 | 6 | 116.10 | 117.63 | 117.59  | 3.04   | 1.48   | -1.54 | 0.30 |
| 0  | 0 | 6 | 78.43  | 83.63  | 83.09   | 9.46   | 6.49   | -5.20 | 0.28 |
| 2  | 0 | 6 | 321.07 | 314.80 | 314.53  | 13.11  | 2.39   | 6.27  | 0.33 |
| 4  | 0 | 6 | 171.83 | 177.48 | 177.27  | 8.57   | 2.77   | -5.64 | 0.41 |
| 6  | 0 | 6 | 12.34  | 8.35   | 8.19    | 1.61   | 11.15  | 3.99  | 2.00 |
| -7 | 1 | 6 | 35.38  | 35.80  | 34.63   | 9.09   | 14.71  | -0.42 | 0.89 |
| -5 | 1 | 6 | 11.26  | 18.51  | 5.78    | -17.59 | 288.19 | -7.25 | 1.34 |
| -3 | 1 | 6 | 54.43  | 56.99  | -48.16  | -30.48 | 212.33 | -2.56 | 0.37 |
| -1 | 1 | 6 | 50.00  | 52.23  | -49.92  | -15.35 | 197.10 | -2.23 | 0.30 |
| 1  | 1 | 6 | 60.48  | 60.95  | 9.57    | 60.19  | 80.96  | -0.47 | 0.31 |
| 3  | 1 | 6 | 64.56  | 65.41  | 31.95   | 57.07  | 60.76  | -0.85 | 0.40 |
| 5  | 1 | 6 | 23.22  | 25.28  | 17.36   | -18.37 | 313.37 | -2.06 | 0.91 |
| -6 | 2 | 6 | 39.76  | 38.05  | -36.94  | 9.13   | 166.12 | 1.71  | 0.65 |
| -4 | 2 | 6 | 40.33  | 40.94  | 26.67   | -31.07 | 310.65 | -0.61 | 0.49 |
| -2 | 2 | 6 | 43.24  | 44.01  | 25.31   | -36.01 | 305.10 | -0.77 | 0.33 |
| 0  | 2 | 6 | 39.72  | 36.12  | 6.29    | 35.57  | 79.98  | 3.61  | 0.33 |
| 2  | 2 | 6 | 88.93  | 90.11  | -79.22  | 42.95  | 151.54 | -1.18 | 0.33 |
| 4  | 2 | 6 | 45.14  | 43.58  | -42.17  | -10.98 | 194.60 | 1.57  | 0.51 |
| 6  | 2 | 6 | 19.95  | 23.33  | -19.08  | -13.43 | 215.13 | -3.38 | 1.24 |
| -5 | 3 | 6 | 27.13  | 28.98  | 28.31   | 6.18   | 12.31  | -1.85 | 0.73 |
| -3 | 3 | 6 | 110.08 | 112.99 | 112.63  | 9.07   | 4.60   | -2.92 | 0.35 |
| -1 | 3 | 6 | 26.82  | 28.67  | 16.88   | -23.18 | 306.07 | -1.85 | 0.37 |
| 1  | 3 | 6 | 143.58 | 143.16 | -135.75 | -45.46 | 198.52 | 0.41  | 0.28 |
| 3  | 3 | 6 | 79.44  | 78.27  | -74.60  | -23.68 | 197.61 | 1.17  | 0.38 |
| 5  | 3 | 6 | 22.98  | 20.92  | 20.82   | 2.09   | 5.72   | 2.06  | 0.93 |
| -6 | 4 | 6 | 32.82  | 31.75  | -17.69  | -26.36 | 236.14 | 1.07  | 0.80 |
| -4 | 4 | 6 | 41.15  | 42.90  | 25.10   | 34.79  | 54.19  | -1.75 | 0.51 |
| -2 | 4 | 6 | 67.02  | 67.83  | 30.32   | 60.67  | 63.45  | -0.81 | 0.33 |
| 0  | 4 | 6 | 17.85  | 15.13  | -10.25  | -11.12 | 227.32 | 2.72  | 0.66 |
| 2  | 4 | 6 | 58.56  | 57.29  | -32.18  | -47.40 | 235.82 | 1.26  | 0.36 |
| 4  | 4 | 6 | 23.79  | 23.42  | -23.42  | -0.45  | 181.11 | 0.37  | 0.75 |
| 6  | 4 | 6 | 15.96  | 17.68  | -15.77  | 7.98   | 153.16 | -1.71 | 1.55 |
| -5 | 5 | 6 | 11.76  | 16.65  | -6.68   | 15.25  | 113.66 | -4.89 | 1.43 |
| -3 | 5 | 6 | 75.99  | 73.54  | -71.09  | 18.80  | 165.19 | 2.45  | 0.37 |
| -1 | 5 | 6 | 42.30  | 42.98  | -42.86  | 3.21   | 175.72 | -0.68 | 0.44 |
| 1  | 5 | 6 | 35.78  | 35.00  | 30.12   | -17.83 | 329.38 | 0.77  | 0.47 |
| 3  | 5 | 6 | 29.35  | 28.95  | 28.59   | -4.59  | 350.88 | 0.39  | 0.54 |
| 5  | 5 | 6 | 16.68  | 19.98  | 3.73    | 19.63  | 79.25  | -3.30 | 1.25 |
| -6 | 6 | 6 | 57.15  | 59.42  | 58.19   | 12.00  | 11.66  | -2.27 | 0.65 |
| -4 | 6 | 6 | 55.59  | 54.29  | 54.27   | -1.36  | 358.57 | 1.30  | 0.49 |
| -2 | 6 | 6 | 76.93  | 77.60  | 77.42   | 5.27   | 3.89   | -0.67 | 0.46 |
| 0  | 6 | 6 | 101.70 | 101.76 | 98.78   | 24.43  | 13.89  | -0.06 | 0.41 |
| 2  | 6 | 6 | 224.83 | 223.18 | 217.24  | 51.14  | 13.25  | 1.65  | 0.46 |
| 4  | 6 | 6 | 129.28 | 131.55 | 128.88  | 26.37  | 11.56  | -2.27 | 0.44 |
| -5 | 7 | 6 | 15.51  | 15.65  | 15.29   | -3.38  | 317.54 | -0.14 | 1.34 |
| -3 | 7 | 6 | 15.46  | 18.50  | -7.77   | -16.79 | 245.18 | -3.04 | 1.04 |
| -1 | 7 | 6 | 33.62  | 34.57  | -25.47  | -23.36 | 222.53 | -0.94 | 0.51 |
| 1  | 7 | 6 | 33.69  | 34.13  | -2.19   | 34.06  | 93.69  | -0.44 | 0.52 |
| 3  | 7 | 6 | 63.63  | 64.85  | 28.26   | 58.36  | 64.16  | -1.22 | 0.59 |
| 5  | 7 | 6 | 25.20  | 23.61  | 23.40   | -3.10  | 352.46 | 1.60  | 0.93 |
| -4 | 8 | 6 | 21.96  | 21.25  | 14.19   | -15.83 | 311.87 | -0.71 | 1.06 |
| -2 | 8 | 6 | 14.03  | 14.14  | 13.91   | 2.53   | 10.30  | -0.11 | 1.07 |
| 0  | 8 | 6 | 38.46  | 38.72  | -1.87   | 38.67  | 92.77  | -0.26 | 0.54 |
| 2  | 8 | 6 | 71.23  | 70.22  | -67.58  | 19.07  | 164.24 | 1.01  | 0.50 |
| 4  | 8 | 6 | 39.63  | 39.34  | -36.64  | -14.34 | 201.38 | 0.29  | 0.59 |
| -3 | 9 | 6 | 59.02  | 60.48  | 60.21   | 5.64   | 5.35   | -1.46 | 0.59 |
| -1 | 9 | 6 | 31.38  | 33.52  | 19.99   | -26.91 | 306.61 | -2.15 | 0.59 |
| 1  | 9 | 6 | 77.61  | 79.75  | -52.23  | -60.26 | 229.08 | -2.14 | 0.46 |



|    |    |   |        |        |         |        |        |       |      |
|----|----|---|--------|--------|---------|--------|--------|-------|------|
| 3  | 9  | 6 | 58.02  | 57.05  | -37.00  | -43.42 | 229.57 | 0.98  | 0.65 |
| -2 | 10 | 6 | 45.70  | 48.11  | 27.07   | 39.78  | 55.77  | -2.41 | 0.56 |
| 0  | 10 | 6 | 9.59   | 11.79  | 6.19    | -10.04 | 301.64 | -2.21 | 1.60 |
| 2  | 10 | 6 | 28.71  | 27.18  | 3.68    | -26.93 | 277.79 | 1.53  | 0.72 |
| -1 | 11 | 6 | 32.35  | 32.58  | -32.54  | -1.78  | 183.13 | -0.24 | 0.66 |
| 1  | 11 | 6 | 12.43  | 11.26  | 9.82    | 5.51   | 29.30  | 1.17  | 1.34 |
| -6 | 0  | 7 | 60.08  | 61.91  | 61.67   | 5.41   | 5.01   | -1.83 | 0.57 |
| -4 | 0  | 7 | 16.65  | 18.76  | 18.71   | 1.33   | 4.07   | -2.11 | 0.80 |
| -2 | 0  | 7 | 144.80 | 148.45 | -148.39 | -4.42  | 181.71 | -3.65 | 0.31 |
| 0  | 0  | 7 | 102.95 | 100.27 | -100.20 | -3.63  | 182.07 | 2.69  | 0.30 |
| 2  | 0  | 7 | 53.95  | 51.38  | 51.27   | 3.29   | 3.67   | 2.57  | 0.37 |
| 4  | 0  | 7 | 172.21 | 178.77 | 178.60  | 7.79   | 2.50   | -6.56 | 0.42 |
| 6  | 0  | 7 | 69.09  | 74.38  | 74.25   | 4.55   | 3.51   | -5.29 | 0.62 |
| -5 | 1  | 7 | 34.35  | 35.10  | 10.24   | 33.58  | 73.04  | -0.75 | 0.61 |
| -3 | 1  | 7 | 14.56  | 14.11  | -2.81   | -13.83 | 258.52 | 0.45  | 0.70 |
| -1 | 1  | 7 | 70.69  | 71.80  | -34.46  | -62.99 | 241.31 | -1.11 | 0.30 |
| 1  | 1  | 7 | 50.02  | 48.43  | -48.40  | 1.67   | 178.02 | 1.58  | 0.33 |
| 3  | 1  | 7 | 41.36  | 42.30  | -28.83  | 30.95  | 132.98 | -0.94 | 0.49 |
| 5  | 1  | 7 | 13.03  | 9.25   | -7.79   | 4.99   | 147.38 | 3.78  | 1.31 |
| -6 | 2  | 7 | 44.24  | 45.15  | -43.91  | 10.52  | 166.53 | -0.92 | 0.67 |
| -4 | 2  | 7 | 39.89  | 41.22  | -40.86  | -5.40  | 187.52 | -1.33 | 0.49 |
| -2 | 2  | 7 | 59.42  | 64.07  | 51.35   | -38.32 | 323.27 | -4.65 | 0.33 |
| 0  | 2  | 7 | 54.40  | 53.61  | 50.42   | -18.24 | 340.11 | 0.78  | 0.33 |
| 4  | 2  | 7 | 26.53  | 27.81  | 13.07   | 24.55  | 61.96  | -1.28 | 0.49 |
| 6  | 2  | 7 | 34.44  | 33.94  | -14.92  | 30.49  | 116.07 | 0.49  | 0.57 |
| 8  | 2  | 7 | 29.93  | 35.53  | 35.20   | 4.79   | 7.75   | -5.60 | 0.96 |
| -5 | 3  | 7 | 61.44  | 59.38  | 59.28   | 3.37   | 3.26   | 2.06  | 0.50 |
| -3 | 3  | 7 | 110.08 | 112.28 | 111.03  | 16.70  | 8.56   | -2.20 | 0.36 |
| -1 | 3  | 7 | 298.71 | 304.69 | 302.48  | 36.66  | 6.91   | -5.98 | 0.28 |
| 1  | 3  | 7 | 217.02 | 217.45 | 216.48  | 20.54  | 5.42   | -0.43 | 0.31 |
| 3  | 3  | 7 | 14.03  | 14.13  | 13.87   | -2.70  | 349.00 | -0.10 | 0.87 |
| 5  | 3  | 7 | 11.68  | 6.74   | 3.52    | -5.75  | 301.48 | 4.93  | 1.55 |
| -6 | 4  | 7 | 22.40  | 22.79  | -17.75  | -14.30 | 218.86 | -0.39 | 1.04 |
| -4 | 4  | 7 | 29.38  | 32.37  | -31.76  | -6.24  | 191.11 | -2.99 | 0.65 |
| -2 | 4  | 7 | 56.21  | 59.17  | 14.82   | 57.28  | 75.49  | -2.96 | 0.36 |
| 0  | 4  | 7 | 77.02  | 78.09  | 50.58   | 59.50  | 49.64  | -1.08 | 0.33 |
| 2  | 4  | 7 | 40.64  | 38.11  | 32.42   | -20.03 | 328.30 | 2.53  | 0.41 |
| 4  | 4  | 7 | 44.24  | 46.97  | 26.57   | -38.73 | 304.45 | -2.73 | 0.54 |
| -5 | 5  | 7 | 14.26  | 13.10  | 8.44    | -10.02 | 310.10 | 1.16  | 1.23 |
| -3 | 5  | 7 | 26.65  | 28.84  | -2.02   | 28.77  | 94.03  | -2.19 | 0.59 |
| -1 | 5  | 7 | 74.52  | 75.70  | -64.68  | 39.33  | 148.70 | -1.17 | 0.44 |
| 1  | 5  | 7 | 59.68  | 59.61  | -55.45  | -21.89 | 201.54 | 0.07  | 0.35 |
| 3  | 5  | 7 | 37.85  | 39.37  | -18.53  | -34.73 | 241.92 | -1.52 | 0.50 |
| 5  | 5  | 7 | 14.38  | 13.29  | -11.25  | -7.07  | 212.13 | 1.09  | 1.41 |
| -6 | 6  | 7 | 49.15  | 47.33  | 47.25   | 2.88   | 3.48   | 1.82  | 0.70 |
| -4 | 6  | 7 | 31.32  | 29.56  | 19.54   | -22.18 | 311.38 | 1.76  | 0.63 |
| -2 | 6  | 7 | 100.60 | 102.25 | -85.43  | -56.19 | 213.33 | -1.65 | 0.47 |
| 0  | 6  | 7 | 77.73  | 76.79  | -64.08  | -42.31 | 213.44 | 0.94  | 0.46 |
| 2  | 6  | 7 | 39.16  | 38.53  | 37.80   | -7.48  | 348.80 | 0.62  | 0.59 |
| 4  | 6  | 7 | 126.56 | 128.52 | 126.88  | 20.47  | 9.17   | -1.97 | 0.45 |
| -5 | 7  | 7 | 40.82  | 40.24  | 17.99   | 35.99  | 63.44  | 0.58  | 0.63 |
| -3 | 7  | 7 | 11.26  | 8.36   | -2.19   | -8.07  | 254.79 | 2.89  | 1.33 |
| -1 | 7  | 7 | 43.01  | 44.34  | -4.91   | -44.07 | 263.64 | -1.33 | 0.51 |
| 1  | 7  | 7 | 19.71  | 19.13  | -17.73  | -7.17  | 202.01 | 0.59  | 0.72 |
| 3  | 7  | 7 | 21.51  | 22.51  | -8.94   | 20.66  | 113.40 | -1.00 | 0.77 |
| 5  | 7  | 7 | 11.50  | 6.54   | 5.95    | 2.73   | 24.62  | 4.96  | 1.88 |
| -4 | 8  | 7 | 39.29  | 35.78  | -34.98  | -7.53  | 192.15 | 3.51  | 0.77 |
| -2 | 8  | 7 | 30.64  | 30.76  | 30.51   | 3.93   | 7.34   | -0.13 | 0.63 |
| 0  | 8  | 7 | 32.16  | 32.64  | 27.30   | 17.90  | 33.25  | -0.48 | 0.54 |
| 2  | 8  | 7 | 12.90  | 12.25  | 1.68    | 12.13  | 82.14  | 0.65  | 1.19 |

|    |    |   |        |        |        |        |        |       |      |
|----|----|---|--------|--------|--------|--------|--------|-------|------|
| 4  | 8  | 7 | 26.75  | 25.43  | -24.61 | 6.40   | 165.42 | 1.32  | 0.80 |
| -3 | 9  | 7 | 86.92  | 89.18  | 83.57  | 31.11  | 20.42  | -2.26 | 0.56 |
| -1 | 9  | 7 | 161.79 | 164.98 | 154.94 | 56.69  | 20.10  | -3.19 | 0.45 |
| 1  | 9  | 7 | 111.80 | 112.68 | 109.70 | 25.73  | 13.20  | -0.87 | 0.47 |
| 3  | 9  | 7 | 16.33  | 17.09  | 9.52   | -14.19 | 303.86 | -0.76 | 1.25 |
| -2 | 10 | 7 | 22.90  | 24.11  | 2.30   | 24.00  | 84.51  | -1.21 | 0.83 |
| 0  | 10 | 7 | 53.04  | 51.76  | 33.66  | 39.33  | 49.44  | 1.28  | 0.52 |
| 2  | 10 | 7 | 27.60  | 26.78  | 26.74  | -1.49  | 356.81 | 0.83  | 0.75 |
| -1 | 11 | 7 | 49.13  | 50.53  | -48.68 | 13.55  | 164.45 | -1.40 | 0.57 |
| 1  | 11 | 7 | 38.82  | 37.69  | -33.32 | -17.60 | 207.84 | 1.13  | 0.62 |
| -6 | 0  | 8 | 94.22  | 95.49  | 95.11  | 8.48   | 5.09   | -1.27 | 0.52 |
| -4 | 0  | 8 | 219.91 | 224.48 | 224.17 | 11.77  | 3.01   | -4.57 | 0.40 |
| -2 | 0  | 8 | 188.12 | 193.85 | 193.70 | 7.60   | 2.25   | -5.73 | 0.33 |
| 0  | 0  | 8 | 14.93  | 14.35  | 14.32  | 0.99   | 3.96   | 0.58  | 0.59 |
| 2  | 0  | 8 | 45.37  | 44.67  | 44.67  | 0.65   | 0.83   | 0.69  | 0.42 |
| 4  | 0  | 8 | 76.77  | 77.92  | 77.67  | 6.30   | 4.63   | -1.15 | 0.49 |
| 6  | 0  | 8 | 108.65 | 116.10 | 115.66 | 10.06  | 4.97   | -7.44 | 0.57 |
| -5 | 1  | 8 | 48.31  | 49.06  | 25.56  | 41.87  | 58.59  | -0.75 | 0.54 |
| -3 | 1  | 8 | 53.17  | 52.51  | 46.24  | 24.88  | 28.29  | 0.67  | 0.41 |
| -1 | 1  | 8 | 55.27  | 56.90  | 38.14  | -42.22 | 312.10 | -1.63 | 0.35 |
| 1  | 1  | 8 | 48.46  | 51.21  | 21.28  | -46.58 | 294.56 | -2.75 | 0.37 |
| 3  | 1  | 8 | 52.60  | 55.15  | 54.49  | 8.50   | 8.87   | -2.55 | 0.49 |
| 5  | 1  | 8 | 54.51  | 55.60  | 51.06  | 22.01  | 23.32  | -1.09 | 0.61 |
| -6 | 2  | 8 | 10.51  | 10.83  | 0.10   | 10.83  | 89.48  | -0.32 | 1.90 |
| -4 | 2  | 8 | 44.02  | 42.31  | -34.89 | 23.94  | 149.54 | 1.71  | 0.47 |
| -2 | 2  | 8 | 48.73  | 51.66  | -51.50 | -3.99  | 184.43 | -2.93 | 0.36 |
| 0  | 2  | 8 | 55.01  | 54.45  | -16.51 | -51.88 | 252.35 | 0.56  | 0.33 |
| 2  | 2  | 8 | 20.45  | 22.43  | -17.67 | -13.83 | 218.05 | -1.99 | 0.56 |
| 4  | 2  | 8 | 39.70  | 39.81  | -36.65 | 15.54  | 157.02 | -0.11 | 0.54 |
| 6  | 2  | 8 | 60.98  | 63.67  | -63.67 | -0.04  | 180.04 | -2.69 | 0.67 |
| -5 | 3  | 8 | 75.07  | 74.10  | -69.37 | -26.05 | 200.58 | 0.97  | 0.50 |
| -3 | 3  | 8 | 69.55  | 70.99  | -66.54 | -24.74 | 200.39 | -1.44 | 0.38 |
| -1 | 3  | 8 | 62.37  | 63.07  | 62.99  | -3.15  | 357.13 | -0.70 | 0.33 |
| 1  | 3  | 8 | 246.79 | 250.09 | 248.99 | 23.43  | 5.38   | -3.30 | 0.33 |
| 3  | 3  | 8 | 93.34  | 92.82  | 92.58  | 6.65   | 4.11   | 0.52  | 0.42 |
| 5  | 3  | 8 | 37.49  | 36.11  | -33.22 | -14.16 | 203.08 | 1.38  | 0.68 |
| -6 | 4  | 8 | 8.96   | 5.49   | 2.06   | -5.09  | 292.04 | 3.47  | 2.49 |
| -4 | 4  | 8 | 35.54  | 34.52  | -10.67 | -32.83 | 251.99 | 1.02  | 0.57 |
| -2 | 4  | 8 | 31.30  | 32.13  | -25.70 | -19.28 | 216.88 | -0.83 | 0.49 |
| 0  | 4  | 8 | 43.69  | 44.28  | -10.21 | 43.09  | 103.33 | -0.59 | 0.37 |
| 2  | 4  | 8 | 6.45   | 9.96   | 3.58   | 9.30   | 68.95  | -3.51 | 1.65 |
| 4  | 4  | 8 | 46.77  | 50.36  | -27.44 | -42.22 | 236.98 | -3.59 | 0.54 |
| -5 | 5  | 8 | 36.24  | 35.98  | 34.62  | -9.80  | 344.19 | 0.25  | 0.68 |
| -3 | 5  | 8 | 37.50  | 37.57  | 36.82  | 7.43   | 11.41  | -0.06 | 0.51 |
| -1 | 5  | 8 | 23.04  | 23.61  | 11.34  | 20.70  | 61.29  | -0.56 | 0.54 |
| 1  | 5  | 8 | 33.17  | 33.64  | -29.90 | 15.42  | 152.72 | -0.47 | 0.46 |
| 3  | 5  | 8 | 34.51  | 37.39  | 35.10  | 12.88  | 20.15  | -2.88 | 0.57 |
| 5  | 5  | 8 | 54.83  | 55.20  | 54.11  | 10.95  | 11.44  | -0.37 | 0.62 |
| -4 | 6  | 8 | 173.45 | 171.59 | 167.78 | 35.95  | 12.09  | 1.86  | 0.42 |
| -2 | 6  | 8 | 133.34 | 134.24 | 132.67 | 20.50  | 8.79   | -0.90 | 0.49 |
| 0  | 6  | 8 | 17.97  | 16.62  | 9.71   | -13.49 | 305.76 | 1.35  | 0.82 |
| 2  | 6  | 8 | 21.28  | 23.60  | 20.29  | -12.06 | 329.28 | -2.32 | 0.72 |
| 4  | 6  | 8 | 58.47  | 60.85  | 60.84  | 1.34   | 1.26   | -2.38 | 0.54 |
| -5 | 7  | 8 | 36.00  | 34.07  | 6.29   | 33.48  | 79.37  | 1.94  | 0.70 |
| -3 | 7  | 8 | 47.17  | 48.80  | 39.75  | 28.29  | 35.44  | -1.63 | 0.65 |
| -1 | 7  | 8 | 41.64  | 43.41  | 37.45  | -21.94 | 329.64 | -1.77 | 0.56 |
| 1  | 7  | 8 | 47.95  | 48.97  | 43.43  | -22.64 | 332.47 | -1.03 | 0.54 |
| 3  | 7  | 8 | 46.35  | 46.57  | 42.20  | 19.70  | 25.03  | -0.22 | 0.51 |
| -4 | 8  | 8 | 41.74  | 41.38  | -39.40 | 12.64  | 162.22 | 0.36  | 0.73 |
| -2 | 8  | 8 | 42.55  | 41.90  | -37.88 | -17.92 | 205.31 | 0.64  | 0.58 |

|    |    |   |        |        |        |        |        |       |      |
|----|----|---|--------|--------|--------|--------|--------|-------|------|
| 0  | 8  | 8 | 33.45  | 33.06  | -1.57  | -33.02 | 267.28 | 0.39  | 0.62 |
| 2  | 8  | 8 | 23.89  | 23.95  | -18.65 | -15.03 | 218.88 | -0.06 | 0.83 |
| 4  | 8  | 8 | 33.94  | 36.19  | -35.76 | -5.54  | 188.81 | -2.25 | 0.70 |
| -3 | 9  | 8 | 50.70  | 53.42  | -32.92 | -42.07 | 231.96 | -2.71 | 0.65 |
| -1 | 9  | 8 | 37.70  | 37.81  | 36.24  | -10.76 | 343.46 | -0.11 | 0.61 |
| 1  | 9  | 8 | 119.07 | 119.98 | 117.31 | 25.17  | 12.11  | -0.91 | 0.51 |
| 3  | 9  | 8 | 56.82  | 59.46  | 58.93  | 7.96   | 7.69   | -2.64 | 0.68 |
| -2 | 10 | 8 | 17.88  | 14.91  | -2.78  | -14.65 | 259.25 | 2.97  | 1.02 |
| 2  | 10 | 8 | 22.67  | 23.69  | -1.84  | 23.61  | 94.46  | -1.01 | 0.83 |
| 2  | 10 | 8 | 9.64   | 12.70  | 11.35  | 5.70   | 26.68  | -3.06 | 1.94 |
| 1  | 11 | 8 | 24.36  | 24.48  | -24.43 | 1.62   | 176.19 | -0.12 | 0.91 |
| -6 | 0  | 9 | 38.64  | 39.27  | -39.20 | -2.29  | 183.34 | -0.63 | 0.67 |
| -4 | 0  | 9 | 56.42  | 58.24  | 58.12  | 3.87   | 3.81   | -1.82 | 0.46 |
| -2 | 0  | 9 | 239.58 | 244.25 | 244.12 | 7.87   | 1.85   | -4.67 | 0.35 |
| 0  | 0  | 9 | 111.11 | 110.38 | 110.31 | 4.09   | 2.12   | 0.72  | 0.33 |
| 2  | 0  | 9 | 87.75  | 89.00  | -88.97 | -2.37  | 181.53 | -1.25 | 0.40 |
| 4  | 0  | 9 | 26.27  | 25.77  | -25.59 | -3.04  | 186.77 | 0.50  | 0.77 |
| -5 | 1  | 9 | 27.35  | 26.96  | -25.22 | -9.52  | 200.69 | 0.39  | 0.78 |
| -3 | 1  | 9 | 31.74  | 33.05  | -0.86  | 33.03  | 91.49  | -1.31 | 0.51 |
| -1 | 1  | 9 | 28.13  | 30.68  | -27.18 | 14.25  | 152.33 | -2.56 | 0.45 |
| 1  | 1  | 9 | 72.10  | 74.05  | -62.73 | -39.35 | 212.10 | -1.95 | 0.37 |
| 3  | 1  | 9 | 84.69  | 83.18  | -78.38 | -27.86 | 199.57 | 1.51  | 0.45 |
| 5  | 1  | 9 | 25.32  | 27.85  | -25.26 | 11.73  | 155.08 | -2.53 | 0.93 |
| -6 | 2  | 9 | 29.27  | 27.56  | 27.09  | -5.08  | 349.37 | 1.71  | 0.77 |
| -4 | 2  | 9 | 35.13  | 37.27  | 17.86  | 32.71  | 61.36  | -2.14 | 0.51 |
| -2 | 2  | 9 | 29.32  | 27.54  | -11.09 | 25.20  | 113.76 | 1.78  | 0.45 |
| 0  | 2  | 9 | 33.62  | 33.14  | 32.88  | -4.19  | 352.74 | 0.48  | 0.41 |
| 2  | 2  | 9 | 89.46  | 88.83  | 88.73  | -4.29  | 357.23 | 0.63  | 0.38 |
| 4  | 2  | 9 | 50.99  | 52.44  | 52.13  | -5.72  | 353.74 | -1.45 | 0.57 |
| -5 | 3  | 9 | 100.55 | 99.36  | 98.71  | 11.35  | 6.56   | 1.18  | 0.50 |
| -3 | 3  | 9 | 7.74   | 6.06   | -3.73  | -4.78  | 231.99 | 1.68  | 1.36 |
| -1 | 3  | 9 | 52.97  | 53.60  | 53.43  | -4.24  | 355.46 | -0.63 | 0.37 |
| 1  | 3  | 9 | 98.21  | 97.81  | 97.79  | 2.30   | 1.35   | 0.40  | 0.37 |
| 3  | 3  | 9 | 156.39 | 157.46 | 156.31 | 18.98  | 6.92   | -1.06 | 0.42 |
| 5  | 3  | 9 | 93.29  | 95.45  | 94.13  | 15.77  | 9.51   | -2.15 | 0.54 |
| -6 | 4  | 9 | 37.86  | 30.31  | 24.86  | 17.34  | 34.91  | 7.55  | 0.77 |
| -4 | 4  | 9 | 45.82  | 47.11  | 32.97  | -33.66 | 314.41 | -1.30 | 0.52 |
| -2 | 4  | 9 | 44.27  | 43.90  | 36.27  | -24.74 | 325.70 | 0.37  | 0.42 |
| 0  | 4  | 9 | 51.92  | 51.41  | 43.48  | 27.44  | 32.25  | 0.51  | 0.38 |
| 2  | 4  | 9 | 71.07  | 72.13  | 59.80  | 40.34  | 34.00  | -1.06 | 0.41 |
| 4  | 4  | 9 | 54.24  | 53.51  | 44.21  | 30.15  | 34.29  | 0.73  | 0.54 |
| -5 | 5  | 9 | 33.33  | 31.85  | -30.87 | -7.85  | 194.27 | 1.48  | 0.75 |
| -3 | 5  | 9 | 27.94  | 26.01  | -4.96  | -25.53 | 280.98 | 1.93  | 0.57 |
| -1 | 5  | 9 | 40.68  | 44.04  | -36.94 | -23.97 | 212.98 | -3.35 | 0.44 |
| 1  | 5  | 9 | 58.23  | 60.34  | -60.29 | -2.44  | 182.32 | -2.11 | 0.40 |
| 3  | 5  | 9 | 84.48  | 83.67  | -83.57 | 4.06   | 177.22 | 0.81  | 0.45 |
| 5  | 5  | 9 | 21.99  | 26.48  | -26.46 | -1.05  | 182.28 | -4.49 | 1.19 |
| -4 | 6  | 9 | 44.41  | 42.80  | 42.80  | 0.40   | 0.53   | 1.61  | 0.57 |
| -2 | 6  | 9 | 158.41 | 160.66 | 158.22 | 27.89  | 10.00  | -2.26 | 0.36 |
| 0  | 6  | 9 | 79.84  | 81.34  | 81.10  | 6.23   | 4.39   | -1.50 | 0.51 |
| 2  | 6  | 9 | 59.55  | 57.92  | -47.96 | -32.47 | 214.10 | 1.63  | 0.44 |
| 4  | 6  | 9 | 35.23  | 35.78  | -16.15 | -31.92 | 243.16 | -0.55 | 0.68 |
| -5 | 7  | 9 | 15.54  | 16.36  | -7.23  | -14.67 | 243.76 | -0.82 | 1.54 |
| -3 | 7  | 9 | 25.85  | 26.49  | 2.35   | 26.38  | 84.92  | -0.64 | 0.65 |
| -1 | 7  | 9 | 13.45  | 11.33  | 5.08   | 10.12  | 63.34  | 2.13  | 1.12 |
| 1  | 7  | 9 | 59.03  | 62.24  | -35.86 | -50.87 | 234.82 | -3.21 | 0.54 |
| 3  | 7  | 9 | 56.20  | 55.19  | -41.39 | -36.51 | 221.42 | 1.01  | 0.49 |
| -4 | 8  | 9 | 13.16  | 15.90  | 3.93   | 15.40  | 75.67  | -2.74 | 1.47 |
| -2 | 8  | 9 | 25.90  | 25.61  | -24.83 | 6.38   | 165.59 | 0.26  | 0.78 |
| 0  | 8  | 9 | 17.55  | 19.08  | 14.84  | 11.99  | 38.94  | -1.53 | 1.12 |

|    |    |    |        |        |        |        |        |       |      |
|----|----|----|--------|--------|--------|--------|--------|-------|------|
| 2  | 3  | 9  | 63.55  | 65.03  | 58.90  | 27.55  | 25.07  | -1.48 | 0.59 |
| -3 | 9  | 9  | 16.43  | 17.31  | -1.81  | -17.21 | 264.00 | -0.87 | 1.39 |
| -1 | 9  | 9  | 21.02  | 23.64  | 14.56  | -18.63 | 308.01 | -2.62 | 0.97 |
| 3  | 9  | 9  | 57.95  | 58.75  | 58.60  | 4.15   | 4.05   | -0.80 | 0.58 |
| 3  | 9  | 9  | 102.90 | 104.02 | 99.54  | 30.20  | 16.88  | -1.12 | 0.63 |
| -2 | 10 | 9  | 36.06  | 34.86  | 34.85  | -0.49  | 359.20 | 1.21  | 0.72 |
| 0  | 10 | 9  | 42.56  | 42.34  | 32.07  | 27.64  | 40.76  | 0.22  | 0.65 |
| 2  | 10 | 9  | 45.90  | 45.47  | 33.49  | 30.75  | 42.56  | 0.44  | 0.68 |
| -4 | 0  | 10 | 30.81  | 30.19  | 30.18  | 1.04   | 1.96   | 0.62  | 0.59 |
| -2 | 0  | 10 | 106.01 | 110.34 | 110.11 | 7.11   | 3.70   | -4.33 | 0.37 |
| 0  | 0  | 10 | 187.83 | 190.79 | 190.46 | 11.22  | 3.37   | -2.96 | 0.35 |
| 2  | 0  | 10 | 123.28 | 121.78 | 121.50 | 8.19   | 3.86   | 1.50  | 0.41 |
| 4  | 0  | 10 | 50.56  | 52.60  | 52.52  | 2.79   | 3.04   | -2.04 | 0.59 |
| -5 | 1  | 10 | 22.72  | 22.61  | 12.20  | -19.03 | 302.67 | 0.11  | 0.87 |
| -3 | 1  | 10 | 27.43  | 26.27  | 19.54  | 17.56  | 41.95  | 1.16  | 0.57 |
| -1 | 1  | 10 | 92.18  | 94.41  | 82.81  | 45.34  | 28.70  | -2.24 | 0.37 |
| 1  | 1  | 10 | 68.04  | 68.58  | 64.98  | 21.94  | 18.66  | -0.54 | 0.41 |
| 3  | 1  | 10 | 14.38  | 11.91  | -11.90 | 0.43   | 177.91 | 2.47  | 1.08 |
| 5  | 1  | 10 | 55.44  | 57.52  | -54.35 | -18.84 | 199.12 | -2.08 | 0.63 |
| -6 | 2  | 10 | 11.92  | 12.39  | 6.41   | -10.60 | 301.18 | -0.47 | 1.88 |
| -4 | 2  | 10 | 32.94  | 34.28  | -31.63 | -13.21 | 202.67 | -1.34 | 0.56 |
| -2 | 2  | 10 | 78.43  | 80.11  | -80.00 | 4.20   | 176.99 | -1.68 | 0.38 |
| 0  | 2  | 10 | 99.84  | 100.77 | -99.65 | 14.99  | 171.44 | -0.93 | 0.36 |
| 2  | 2  | 10 | 37.38  | 36.54  | -36.38 | -3.45  | 185.41 | 0.84  | 0.50 |
| 4  | 2  | 10 | 23.06  | 21.45  | 18.95  | -10.06 | 332.04 | 1.61  | 0.84 |
| -5 | 3  | 10 | 125.28 | 122.47 | 121.36 | 16.40  | 7.70   | 2.81  | 0.49 |
| -3 | 3  | 10 | 70.57  | 71.31  | 71.15  | 4.77   | 3.83   | -0.74 | 0.42 |
| -1 | 3  | 10 | 86.67  | 85.58  | -81.92 | -24.76 | 196.82 | 1.09  | 0.37 |
| 1  | 3  | 10 | 38.64  | 38.94  | -30.26 | -24.51 | 219.01 | -0.30 | 0.46 |
| 3  | 3  | 10 | 11.54  | 9.82   | 3.61   | -9.14  | 291.58 | 1.71  | 1.36 |
| 5  | 3  | 10 | 39.64  | 39.00  | 38.47  | 6.42   | 9.48   | 0.63  | 0.77 |
| -6 | 4  | 10 | 12.34  | 13.85  | 2.07   | 13.70  | 81.43  | -1.52 | 1.99 |
| -4 | 4  | 10 | 15.34  | 13.12  | -12.51 | 3.98   | 162.37 | 2.22  | 1.07 |
| -2 | 4  | 10 | 77.42  | 77.09  | -60.92 | -36.97 | 211.25 | -0.64 | 0.40 |
| 0  | 4  | 10 | 25.79  | 30.48  | -29.73 | 202.68 | 0.33   | 0.38  | 0.38 |
| 4  | 4  | 10 | 25.91  | 23.48  | -27.79 | 12.51  | 155.76 | -4.69 | 0.62 |
| -5 | 5  | 10 | 20.57  | 17.96  | 16.36  | 16.84  | 45.82  | 2.43  | 0.81 |
| -1 | 5  | 10 | 82.52  | 84.69  | -13.40 | 11.96  | 138.26 | 2.61  | 1.03 |
| 1  | 5  | 10 | 49.91  | 51.39  | 48.38  | 17.31  | 19.69  | -2.17 | 0.40 |
| 3  | 5  | 10 | 16.21  | 15.70  | -15.54 | 2.22   | 171.85 | -1.47 | 0.45 |
| -4 | 6  | 10 | 22.69  | 18.97  | 15.85  | -10.43 | 326.66 | 3.72  | 0.88 |
| -2 | 6  | 10 | 83.52  | 83.54  | 83.16  | 8.04   | 5.52   | -0.02 | 0.41 |
| 0  | 6  | 10 | 148.81 | 149.18 | 145.36 | 33.52  | 12.99  | -0.37 | 0.37 |
| 2  | 6  | 10 | 99.10  | 102.42 | 99.74  | 23.26  | 13.13  | -3.32 | 0.42 |
| 4  | 6  | 10 | 41.39  | 43.52  | 43.40  | 3.29   | 4.34   | -2.13 | 0.68 |
| -5 | 7  | 10 | 29.33  | 28.19  | 27.64  | -5.53  | 348.69 | 1.14  | 0.92 |
| -3 | 7  | 10 | 41.34  | 39.67  | 27.50  | 28.59  | 46.11  | 1.67  | 0.52 |
| -1 | 7  | 10 | 63.59  | 65.32  | 43.31  | 48.90  | 48.47  | -1.73 | 0.57 |
| 1  | 7  | 10 | 51.28  | 52.80  | 45.02  | 27.59  | 31.50  | -1.52 | 0.62 |
| 3  | 7  | 10 | 10.91  | 7.94   | -7.90  | -0.76  | 185.49 | 2.97  | 1.59 |
| -4 | 8  | 10 | 32.99  | 33.21  | -28.02 | -17.82 | 212.45 | -0.21 | 0.72 |
| -2 | 8  | 10 | 59.94  | 60.65  | -58.42 | -16.29 | 195.58 | -0.71 | 0.61 |
| 0  | 8  | 10 | 77.64  | 74.15  | -74.05 | 3.84   | 177.04 | 3.49  | 0.56 |
| 2  | 8  | 10 | 29.44  | 29.28  | -27.84 | 9.06   | 161.97 | 0.16  | 0.86 |
| -3 | 9  | 10 | 48.62  | 48.27  | 48.19  | 2.73   | 3.25   | 0.35  | 0.68 |
| -1 | 9  | 10 | 46.32  | 44.08  | -27.45 | -34.49 | 231.48 | 2.24  | 0.66 |
| 1  | 9  | 10 | 38.92  | 39.76  | -17.02 | -35.93 | 244.65 | -0.84 | 0.72 |
| -2 | 10 | 10 | 43.59  | 43.78  | -25.69 | -35.44 | 234.06 | -0.19 | 0.72 |
| 0  | 10 | 10 | 39.89  | 39.31  | -23.94 | -31.18 | 232.49 | 0.58  | 0.68 |

|    |   |    |        |        |        |        |        |       |      |
|----|---|----|--------|--------|--------|--------|--------|-------|------|
| -6 | 0 | 11 | 38.43  | 39.62  | 39.54  | 2.55   | 3.69   | -1.20 | 0.81 |
| -4 | 0 | 11 | 55.46  | 54.23  | -54.17 | -2.63  | 182.78 | 1.23  | 0.49 |
| -2 | 0 | 11 | 27.45  | 27.61  | -27.48 | -2.71  | 185.64 | -0.16 | 0.52 |
| 0  | 0 | 11 | 14.22  | 6.66   | -6.22  | 2.37   | 159.15 | 7.57  | 0.75 |
| 2  | 0 | 11 | 72.54  | 74.11  | 73.90  | 5.58   | 4.32   | -1.57 | 0.46 |
| 4  | 0 | 11 | 42.11  | 42.49  | 42.43  | 2.31   | 3.11   | -0.38 | 0.66 |
| -5 | 1 | 11 | 55.79  | 55.01  | -52.06 | -17.76 | 198.83 | 0.78  | 0.58 |
| -3 | 1 | 11 | 67.13  | 66.48  | -65.83 | -9.24  | 187.99 | 0.65  | 0.44 |
| -1 | 1 | 11 | 28.13  | 29.34  | -29.31 | -1.26  | 182.46 | -1.20 | 0.52 |
| 1  | 1 | 11 | 42.87  | 42.32  | 36.56  | 21.32  | 30.25  | 0.55  | 0.47 |
| 3  | 1 | 11 | 45.29  | 46.39  | 40.94  | 21.82  | 28.06  | -1.10 | 0.54 |
| 5  | 1 | 11 | 16.24  | 14.89  | 9.94   | -11.08 | 311.87 | 1.35  | 1.52 |
| -6 | 2 | 11 | 10.79  | 9.28   | 9.24   | -0.94  | 354.20 | 1.51  | 2.21 |
| -4 | 2 | 11 | 73.45  | 73.54  | 72.47  | -12.52 | 350.20 | -0.09 | 0.47 |
| -2 | 2 | 11 | 55.77  | 54.98  | 54.96  | -1.38  | 358.56 | 0.79  | 0.42 |
| 0  | 2 | 11 | 23.34  | 19.84  | -18.46 | 7.27   | 158.50 | 3.50  | 0.54 |
| 2  | 2 | 11 | 80.16  | 82.66  | -81.75 | 12.24  | 171.49 | -2.50 | 0.45 |
| 4  | 2 | 11 | 26.87  | 24.72  | -23.93 | 6.17   | 165.55 | 2.16  | 0.81 |
| -5 | 3 | 11 | 78.61  | 76.67  | 76.01  | 10.06  | 7.54   | 1.93  | 0.54 |
| -3 | 3 | 11 | 146.07 | 147.05 | 145.65 | 20.25  | 7.92   | -0.98 | 0.42 |
| -1 | 3 | 11 | 116.13 | 111.55 | 110.76 | 13.27  | 6.83   | 4.58  | 0.40 |
| 1  | 3 | 11 | 57.54  | 57.14  | 57.13  | -0.83  | 359.17 | 0.40  | 0.45 |
| 3  | 3 | 11 | 97.46  | 99.51  | 99.28  | 6.77   | 3.90   | -2.05 | 0.47 |
| 5  | 3 | 11 | 75.81  | 79.98  | 78.32  | 16.22  | 11.70  | -4.17 | 0.59 |
| -4 | 4 | 11 | 67.02  | 66.48  | 48.12  | 45.87  | 43.63  | 0.53  | 0.51 |
| -2 | 4 | 11 | 54.25  | 53.73  | 47.67  | 24.80  | 27.49  | 0.52  | 0.46 |
| 0  | 4 | 11 | 18.35  | 17.15  | -13.26 | -10.88 | 219.38 | 1.20  | 0.75 |
| 2  | 4 | 11 | 47.69  | 46.69  | -40.77 | -22.76 | 209.17 | 1.00  | 0.51 |
| 4  | 4 | 11 | 14.90  | 12.09  | -3.43  | -11.60 | 253.52 | 2.81  | 1.41 |
| -5 | 5 | 11 | 61.40  | 55.62  | -55.23 | -6.53  | 186.74 | 5.78  | 0.58 |
| -3 | 5 | 11 | 68.65  | 68.64  | -68.62 | 1.54   | 178.71 | 0.01  | 0.47 |
| -1 | 5 | 11 | 31.90  | 29.65  | -28.42 | 8.45   | 163.43 | 2.25  | 0.54 |
| 1  | 5 | 11 | 35.66  | 36.81  | 35.40  | -10.06 | 344.14 | -1.15 | 0.54 |
| 3  | 5 | 11 | 25.75  | 27.08  | 24.39  | -11.76 | 334.26 | -1.32 | 0.81 |
| -4 | 6 | 11 | 43.90  | 41.69  | -31.98 | -26.76 | 219.92 | 2.21  | 0.61 |
| -2 | 6 | 11 | 35.05  | 38.07  | -19.11 | -32.92 | 239.86 | -3.02 | 0.54 |
| 0  | 6 | 11 | 16.77  | 18.46  | 4.55   | -17.89 | 284.27 | -1.69 | 0.89 |
| 2  | 6 | 11 | 53.08  | 54.56  | 54.20  | 6.21   | 6.53   | -1.47 | 0.51 |
| 4  | 6 | 11 | 27.78  | 29.30  | 29.06  | -3.67  | 352.80 | -1.52 | 0.93 |
| -3 | 7 | 11 | 44.08  | 41.31  | -38.10 | -15.97 | 202.74 | 2.76  | 0.54 |
| -1 | 7 | 11 | 7.53   | 12.42  | -12.33 | -1.50  | 186.93 | -4.90 | 2.27 |
| 1  | 7 | 11 | 34.73  | 33.62  | 26.34  | 20.88  | 38.41  | 1.12  | 0.56 |
| 3  | 7 | 11 | 50.76  | 52.85  | 44.20  | 28.97  | 33.24  | -2.10 | 0.56 |
| -4 | 8 | 11 | 53.94  | 52.69  | 48.56  | 20.45  | 22.83  | 1.25  | 0.57 |
| -2 | 8 | 11 | 32.22  | 31.41  | 23.65  | 20.67  | 41.15  | 0.82  | 0.77 |
| 0  | 8 | 11 | 19.49  | 18.30  | -17.12 | 6.47   | 159.29 | 1.18  | 0.97 |
| 2  | 8 | 11 | 59.57  | 61.82  | -61.61 | -5.03  | 184.67 | -2.24 | 0.52 |
| -3 | 9 | 11 | 101.52 | 99.92  | 94.68  | 31.94  | 18.64  | 1.60  | 0.65 |
| -1 | 9 | 11 | 78.20  | 78.92  | 75.85  | 21.80  | 16.03  | -0.72 | 0.62 |
| 1  | 9 | 11 | 37.95  | 38.43  | 38.31  | -2.99  | 355.53 | -0.48 | 0.77 |
| -6 | 0 | 12 | 101.82 | 98.02  | 97.61  | 8.94   | 5.23   | 3.80  | 0.57 |
| -4 | 0 | 12 | 91.76  | 88.84  | 88.60  | 6.53   | 4.22   | 2.92  | 0.47 |
| -2 | 0 | 12 | 55.01  | 50.93  | 50.89  | 2.16   | 2.43   | 4.07  | 0.45 |
| 0  | 0 | 12 | 134.20 | 138.79 | 138.76 | 2.88   | 1.19   | -4.59 | 0.40 |
| 2  | 0 | 12 | 118.48 | 117.14 | 116.86 | 8.06   | 3.95   | 1.34  | 0.46 |
| 4  | 0 | 12 | 125.63 | 127.23 | 126.78 | 10.67  | 4.81   | -1.60 | 0.54 |
| -5 | 1 | 12 | 37.56  | 34.72  | 28.92  | 19.20  | 33.58  | 2.85  | 0.72 |
| -3 | 1 | 12 | 24.33  | 19.58  | -11.90 | -15.55 | 232.58 | 4.75  | 0.63 |
| -1 | 1 | 12 | 55.80  | 53.40  | -45.56 | -27.84 | 211.43 | 2.41  | 0.45 |
| 1  | 1 | 12 | 21.09  | 20.67  | -16.39 | -12.59 | 217.52 | 0.42  | 0.72 |

|    |   |    |        |        |        |        |        |       |      |
|----|---|----|--------|--------|--------|--------|--------|-------|------|
| 3  | 1 | 12 | 36.00  | 37.65  | 35.15  | 13.47  | 20.97  | -1.64 | 0.72 |
| 5  | 1 | 12 | 46.73  | 49.20  | 40.71  | 27.63  | 34.16  | -2.47 | 0.75 |
| -6 | 2 | 12 | 46.51  | 45.46  | -45.02 | -6.31  | 187.98 | 1.05  | 0.73 |
| -4 | 2 | 12 | 23.86  | 17.85  | -17.84 | -0.43  | 181.38 | 6.01  | 0.80 |
| -2 | 2 | 12 | 55.98  | 59.50  | 58.90  | -8.42  | 351.87 | -3.52 | 0.45 |
| 0  | 2 | 12 | 43.08  | 42.16  | 37.39  | -19.48 | 332.48 | 0.92  | 0.45 |
| 2  | 2 | 12 | 7.86   | 11.74  | -10.20 | 5.81   | 150.32 | -3.88 | 2.13 |
| 4  | 2 | 12 | 55.19  | 59.22  | -53.46 | 25.49  | 154.51 | -4.03 | 0.65 |
| -5 | 3 | 12 | 21.72  | 20.38  | -11.32 | -16.94 | 236.25 | 1.34  | 1.07 |
| -3 | 3 | 12 | 12.00  | 8.54   | 5.91   | -6.14  | 314.04 | 3.46  | 1.15 |
| -1 | 3 | 12 | 71.22  | 69.87  | 69.52  | 6.98   | 5.73   | 1.35  | 0.44 |
| 1  | 3 | 12 | 60.37  | 58.15  | 58.09  | -2.69  | 357.34 | 2.22  | 0.47 |
| 3  | 3 | 12 | 42.07  | 41.42  | -35.40 | 21.50  | 211.27 | 0.66  | 0.67 |
| -4 | 4 | 12 | 16.26  | 12.00  | -11.95 | -1.10  | 185.28 | 4.26  | 1.08 |
| -2 | 4 | 12 | 47.56  | 47.38  | 44.25  | 16.94  | 20.95  | 0.18  | 0.51 |
| 0  | 4 | 12 | 59.48  | 61.44  | 53.76  | 29.75  | 28.96  | -1.96 | 0.45 |
| 2  | 4 | 12 | 9.41   | 8.56   | 4.79   | -7.10  | 303.99 | 0.85  | 1.62 |
| 4  | 4 | 12 | 49.69  | 49.92  | -26.14 | -42.53 | 238.43 | -0.23 | 0.68 |
| -5 | 5 | 12 | 27.14  | 23.87  | 23.82  | 1.51   | 3.62   | 3.27  | 0.98 |
| -3 | 5 | 12 | 23.56  | 18.47  | -15.80 | 9.57   | 148.80 | 5.09  | 0.77 |
| -1 | 5 | 12 | 65.04  | 62.65  | -62.11 | 8.19   | 172.49 | 2.40  | 0.46 |
| 1  | 5 | 12 | 36.02  | 35.63  | -34.97 | -6.83  | 191.06 | 0.40  | 0.54 |
| 3  | 5 | 12 | 36.52  | 36.88  | 35.13  | -11.22 | 342.29 | -0.36 | 0.68 |
| -4 | 6 | 12 | 76.46  | 76.35  | 75.58  | 10.81  | 8.14   | 0.11  | 0.54 |
| -2 | 6 | 12 | 41.62  | 40.25  | 40.07  | -3.82  | 354.55 | 1.38  | 0.54 |
| 0  | 6 | 12 | 89.88  | 89.77  | 89.22  | 9.90   | 6.33   | 0.12  | 0.42 |
| 2  | 6 | 12 | 93.30  | 93.57  | 90.32  | 24.45  | 15.15  | -0.27 | 0.46 |
| -3 | 7 | 12 | 18.89  | 18.29  | -5.33  | -17.50 | 253.05 | 0.60  | 1.03 |
| -1 | 7 | 12 | 24.00  | 24.07  | -12.29 | -20.70 | 239.29 | -0.07 | 0.78 |
| 1  | 7 | 12 | 11.92  | 10.67  | 5.37   | -9.22  | 300.23 | 1.25  | 1.44 |
| 3  | 7 | 12 | 21.84  | 23.67  | 22.83  | 6.22   | 15.23  | -1.83 | 1.06 |
| -2 | 8 | 12 | 36.60  | 37.63  | 37.51  | 2.99   | 4.55   | -1.03 | 0.82 |
| 0  | 8 | 12 | 18.68  | 18.60  | 16.37  | -8.83  | 331.66 | 0.09  | 1.10 |
| 2  | 8 | 12 | 11.59  | 9.02   | -8.96  | 0.99   | 173.71 | 2.57  | 1.45 |
| -1 | 9 | 12 | 36.91  | 39.02  | 39.02  | 0.20   | 0.29   | -2.11 | 0.83 |
| 1  | 9 | 12 | 27.96  | 31.25  | 27.38  | -15.06 | 331.19 | -3.29 | 0.99 |
| -4 | 0 | 13 | 51.01  | 47.69  | 47.44  | 4.88   | 5.87   | 3.32  | 0.57 |
| -2 | 0 | 13 | 54.47  | 52.28  | 52.26  | 1.51   | 1.66   | 2.19  | 0.49 |
| 0  | 0 | 13 | 50.12  | 47.87  | -47.74 | -3.47  | 184.16 | 2.26  | 0.46 |
| 2  | 0 | 13 | 36.13  | 33.19  | -33.08 | -2.67  | 184.62 | 2.94  | 0.62 |
| 4  | 0 | 13 | 19.64  | 14.78  | 14.44  | 3.15   | 12.31  | 4.86  | 1.31 |
| -5 | 1 | 13 | 45.16  | 42.19  | 41.13  | 9.42   | 12.90  | 2.96  | 0.70 |
| -3 | 1 | 13 | 41.15  | 38.58  | 34.76  | 16.75  | 25.73  | 2.57  | 0.56 |
| -1 | 1 | 13 | 20.22  | 19.53  | -17.23 | -9.20  | 208.10 | 0.69  | 0.75 |
| 1  | 1 | 13 | 66.27  | 65.38  | -49.11 | -43.17 | 221.32 | 0.89  | 0.46 |
| 3  | 1 | 13 | 37.02  | 36.15  | -35.13 | -8.55  | 193.68 | 0.87  | 0.75 |
| -4 | 2 | 13 | 42.25  | 41.76  | -39.07 | 14.75  | 159.32 | 0.49  | 0.63 |
| -2 | 2 | 13 | 29.42  | 32.96  | -32.76 | -23.76 | 332.02 | -3.54 | 0.62 |
| 0  | 2 | 13 | 50.18  | 50.66  | 44.74  | -23.76 | 332.02 | -0.48 | 0.47 |
| 2  | 2 | 13 | 56.99  | 58.03  | 57.04  | -10.69 | 349.38 | -1.04 | 0.54 |
| 4  | 2 | 13 | 35.39  | 34.71  | 30.70  | 16.19  | 27.81  | 0.69  | 0.82 |
| -5 | 3 | 13 | 39.65  | 35.21  | 35.21  | -0.08  | 359.88 | 4.44  | 0.72 |
| -3 | 3 | 13 | 93.26  | 87.54  | 87.19  | 7.79   | 5.11   | 5.71  | 0.47 |
| -1 | 3 | 13 | 118.34 | 118.20 | 116.48 | 20.07  | 9.78   | 0.15  | 0.44 |
| 1  | 3 | 13 | 152.22 | 152.19 | 150.26 | 24.16  | 9.14   | 0.04  | 0.44 |
| 3  | 3 | 13 | 94.78  | 97.20  | 96.93  | 7.21   | 4.25   | -2.42 | 0.54 |
| -4 | 4 | 13 | 27.39  | 27.13  | -15.41 | -22.34 | 235.40 | 0.26  | 0.82 |
| -2 | 4 | 13 | 15.86  | 16.24  | -4.38  | -15.64 | 254.34 | -0.38 | 1.03 |
| 0  | 4 | 13 | 40.99  | 40.78  | 31.09  | 26.40  | 40.33  | 0.21  | 0.54 |
| 2  | 4 | 13 | 64.04  | 62.37  | 47.76  | 40.11  | 40.02  | 1.67  | 0.52 |

|    |   |    |        |        |        |        |        |       |      |
|----|---|----|--------|--------|--------|--------|--------|-------|------|
| 4  | 4 | 13 | 30.43  | 29.92  | 28.87  | 7.86   | 15.23  | 0.50  | 0.96 |
| -5 | 5 | 13 | 42.07  | 41.67  | 41.60  | 2.36   | 3.25   | 0.40  | 0.80 |
| -3 | 1 | 5  | 24.12  | 21.58  | 19.75  | -8.71  | 336.20 | 2.54  | 0.82 |
| -1 | 5 | 13 | 28.88  | 25.34  | -25.33 | -0.87  | 181.96 | -2.30 | 0.61 |
| 1  | 5 | 13 | 63.22  | 65.51  | -63.31 | 16.86  | 165.09 | 1.23  | 0.52 |
| -3 | 5 | 13 | 42.09  | 40.86  | -40.72 | -3.34  | 184.69 | 1.47  | 0.65 |
| -4 | 6 | 13 | 36.84  | 35.37  | 35.30  | 2.21   | 3.58   | 0.57  | 0.72 |
| -2 | 4 | 6  | 35.52  | 34.95  | 33.18  | -11.00 | 341.66 | 1.38  | 0.61 |
| 0  | 6 | 13 | 50.89  | 49.62  | -33.58 | -36.53 | 227.41 | 1.27  | 0.51 |
| 2  | 6 | 13 | 31.20  | 32.20  | -20.26 | -25.03 | 231.01 | -0.99 | 0.72 |
| -3 | 7 | 13 | 49.20  | 47.82  | 41.46  | 23.83  | 29.89  | 1.38  | 0.61 |
| -1 | 7 | 13 | 9.74   | 4.91   | 3.28   | -3.65  | 311.95 | 4.83  | 1.62 |
| 1  | 7 | 13 | 45.98  | 43.55  | -18.29 | -39.52 | 245.16 | 2.43  | 0.54 |
| -2 | 8 | 13 | 33.03  | 33.91  | -31.32 | -13.00 | 202.55 | -0.88 | 0.73 |
| 0  | 8 | 13 | 33.01  | 31.94  | 29.35  | -12.60 | 336.77 | 1.07  | 0.62 |
| -1 | 9 | 13 | 78.53  | 77.31  | 73.02  | 25.41  | 19.19  | 1.22  | 0.67 |
| -4 | 0 | 14 | 99.68  | 95.05  | 94.74  | 7.63   | 4.60   | 4.63  | 0.51 |
| -2 | 0 | 14 | 152.17 | 149.97 | 149.62 | 10.27  | 3.93   | 2.20  | 0.45 |
| 0  | 0 | 14 | 105.50 | 105.08 | 104.89 | 6.27   | 3.42   | 0.42  | 0.45 |
| 0  | 0 | 14 | 30.83  | 31.51  | -31.51 | 0.39   | 179.30 | -0.68 | 0.77 |
| -5 | 1 | 14 | 21.59  | 18.90  | -14.53 | -12.09 | 219.75 | 2.69  | 1.17 |
| -3 | 1 | 14 | 43.61  | 41.59  | 28.85  | 29.96  | 46.08  | 2.02  | 0.57 |
| -1 | 1 | 14 | 60.26  | 60.35  | 46.47  | 38.52  | 39.66  | -0.09 | 0.50 |
| 1  | 1 | 14 | 36.74  | 35.00  | 33.23  | -10.99 | 341.70 | 1.73  | 0.59 |
| 3  | 1 | 14 | 29.60  | 28.23  | 7.14   | -27.31 | 284.65 | 1.37  | 0.89 |
| -4 | 2 | 14 | 31.95  | 26.93  | -25.70 | 8.06   | 162.60 | 5.02  | 0.78 |
| -2 | 2 | 14 | 61.75  | 61.91  | -59.70 | 16.39  | 164.64 | -0.16 | 0.51 |
| 0  | 2 | 14 | 51.17  | 52.29  | -52.23 | -2.49  | 182.73 | -1.12 | 0.51 |
| 2  | 2 | 14 | 40.30  | 37.75  | -17.91 | -33.23 | 241.68 | 2.54  | 0.66 |
| 4  | 2 | 14 | 31.18  | 32.69  | -27.07 | -18.33 | 214.10 | -1.51 | 0.96 |
| -5 | 3 | 14 | 25.68  | 20.78  | 20.46  | -3.63  | 349.93 | 4.90  | 1.01 |
| -3 | 3 | 14 | 40.45  | 41.23  | -37.27 | -17.61 | 205.29 | -0.78 | 0.66 |
| -1 | 3 | 14 | 29.65  | 29.54  | -25.61 | -14.74 | 209.92 | 0.12  | 0.63 |
| 1  | 3 | 14 | 18.34  | 14.16  | 14.05  | -1.72  | 353.03 | 4.18  | 0.93 |
| 3  | 3 | 14 | 93.30  | 95.13  | 94.51  | 10.84  | 6.54   | -1.83 | 0.57 |
| -2 | 4 | 14 | 17.76  | 13.37  | -6.81  | -11.51 | 239.39 | 4.39  | 1.25 |
| -4 | 4 | 14 | 47.60  | 44.18  | -33.70 | -28.57 | 220.29 | 3.42  | 0.56 |
| 0  | 4 | 14 | 42.53  | 43.39  | -41.14 | -13.77 | 198.50 | -0.86 | 0.52 |
| 2  | 4 | 14 | 40.14  | 45.38  | -36.06 | 27.55  | 142.62 | -5.24 | 0.84 |
| -3 | 5 | 14 | 36.16  | 34.48  | 31.05  | -14.99 | 334.22 | 1.68  | 0.66 |
| -1 | 5 | 14 | 43.36  | 41.22  | 41.09  | 3.29   | 4.58   | 2.15  | 0.57 |
| 1  | 5 | 14 | 40.75  | 43.20  | 25.45  | 34.91  | 53.91  | -2.45 | 0.65 |
| 3  | 5 | 14 | 28.41  | 27.70  | -13.27 | 24.32  | 118.62 | 0.71  | 0.96 |
| -4 | 6 | 14 | 79.09  | 77.85  | 73.89  | 24.54  | 18.37  | 1.24  | 0.58 |
| -2 | 6 | 14 | 118.87 | 118.21 | 114.36 | 29.91  | 14.66  | 0.66  | 0.49 |
| 0  | 6 | 14 | 84.42  | 82.28  | 81.81  | 8.85   | 6.17   | 2.14  | 0.47 |
| 2  | 6 | 14 | 23.44  | 24.51  | -15.45 | -19.03 | 230.92 | -1.07 | 1.02 |
| -3 | 7 | 14 | 34.28  | 32.84  | 17.37  | 27.88  | 58.08  | 1.44  | 0.73 |
| -1 | 7 | 14 | 58.84  | 57.62  | 36.63  | 44.48  | 50.53  | 1.22  | 0.54 |
| 1  | 7 | 14 | 26.75  | 25.91  | 25.84  | 1.84   | 4.06   | 0.84  | 0.78 |
| -2 | 8 | 14 | 53.24  | 51.94  | -51.84 | 3.22   | 176.44 | 1.31  | 0.58 |
| 0  | 8 | 14 | 45.24  | 47.25  | -46.65 | -7.49  | 189.12 | -2.01 | 0.62 |
| -4 | 0 | 15 | 21.98  | 18.38  | -18.29 | -1.82  | 185.68 | 3.60  | 1.06 |
| -2 | 0 | 15 | 31.79  | 22.94  | 22.63  | 3.77   | 9.47   | 8.85  | 0.70 |
| 0  | 0 | 15 | 106.14 | 106.94 | 106.71 | 7.03   | 3.77   | -0.80 | 0.46 |
| 2  | 0 | 15 | 90.49  | 86.67  | 86.60  | 3.37   | 2.23   | 3.83  | 0.54 |
| -5 | 1 | 15 | 32.38  | 34.91  | -30.58 | -16.83 | 208.84 | -2.52 | 1.01 |
| -3 | 1 | 15 | 44.74  | 47.03  | -47.02 | 0.80   | 179.02 | -2.29 | 0.67 |
| -1 | 1 | 15 | 46.40  | 42.13  | -23.35 | 35.06  | 123.66 | 4.27  | 0.56 |
| 1  | 1 | 15 | 27.95  | 28.13  | -20.80 | 18.94  | 137.68 | -0.18 | 0.75 |

|    |   |    |        |        |        |        |        |       |      |
|----|---|----|--------|--------|--------|--------|--------|-------|------|
| 3  | 1 | 15 | 34.57  | 31.65  | -18.94 | -25.36 | 233.25 | 2.92  | 0.89 |
| -4 | 2 | 15 | 41.27  | 37.36  | 34.07  | -15.32 | 335.80 | 3.91  | 0.68 |
| -2 | 2 | 15 | 33.27  | 34.30  | 24.12  | 24.39  | 45.32  | -1.03 | 0.68 |
| 0  | 2 | 15 | 30.83  | 32.89  | 4.87   | 32.52  | 81.49  | -2.05 | 0.65 |
| -3 | 3 | 15 | 13.85  | 11.19  | 6.66   | -9.00  | 306.50 | 2.66  | 1.59 |
| -1 | 3 | 15 | 81.11  | 78.21  | 78.07  | 4.69   | 3.44   | 2.90  | 0.54 |
| 3  | 3 | 15 | 37.32  | 36.46  | -34.18 | -12.69 | 200.38 | 0.86  | 0.59 |
| -4 | 4 | 15 | 76.91  | 74.57  | 73.78  | 10.80  | 8.33   | 2.34  | 0.62 |
| -2 | 4 | 15 | 53.66  | 49.36  | 29.41  | 39.64  | 53.43  | 4.30  | 0.67 |
| 0  | 4 | 15 | 32.76  | 25.98  | 24.83  | -7.65  | 342.87 | 6.78  | 0.77 |
| 0  | 4 | 15 | 36.74  | 34.64  | 22.68  | -26.18 | 310.90 | 2.10  | 0.61 |
| -2 | 4 | 15 | 29.21  | 28.43  | 20.63  | 19.57  | 43.49  | 0.77  | 0.89 |
| -3 | 5 | 15 | 52.02  | 49.58  | -48.04 | -12.24 | 194.29 | 2.45  | 0.63 |
| -1 | 5 | 15 | 26.00  | 23.18  | -1.91  | -23.10 | 265.28 | 2.82  | 0.83 |
| 1  | 5 | 15 | 23.19  | 23.62  | -20.61 | -11.55 | 209.26 | -0.43 | 0.89 |
| -2 | 6 | 15 | 29.98  | 27.34  | 27.29  | -1.64  | 356.55 | 2.63  | 0.80 |
| 0  | 6 | 15 | 86.81  | 85.52  | 84.29  | 14.45  | 9.73   | 1.29  | 0.50 |
| 2  | 6 | 15 | 68.45  | 66.31  | 66.01  | 6.33   | 5.48   | 2.13  | 0.61 |
| -1 | 7 | 15 | 36.22  | 34.35  | -29.41 | 17.75  | 148.89 | 1.87  | 0.67 |
| 1  | 7 | 15 | 20.61  | 18.46  | -5.42  | 17.65  | 107.07 | 2.15  | 0.99 |
| -4 | 0 | 16 | 26.35  | 25.81  | -25.81 | -0.12  | 180.27 | 0.54  | 1.07 |
| -2 | 0 | 16 | 12.79  | 4.89   | 4.83   | 0.78   | 9.16   | 7.90  | 1.57 |
| 0  | 0 | 16 | 98.75  | 96.08  | 95.85  | 6.72   | 4.01   | 2.67  | 0.49 |
| 2  | 0 | 16 | 152.63 | 150.28 | 149.91 | 10.49  | 4.00   | 2.35  | 0.54 |
| -3 | 1 | 16 | 33.69  | 33.60  | 23.99  | -23.51 | 315.58 | 0.09  | 0.88 |
| -1 | 1 | 16 | 19.66  | 19.05  | 15.85  | 10.56  | 33.67  | 0.61  | 0.99 |
| 1  | 1 | 16 | 43.97  | 42.37  | 25.10  | 34.13  | 53.66  | 1.61  | 0.66 |
| 3  | 1 | 16 | 22.03  | 20.57  | 20.50  | 1.61   | 4.48   | 1.46  | 1.45 |
| -4 | 2 | 16 | 27.63  | 24.94  | -0.71  | -24.93 | 268.38 | 2.69  | 1.04 |
| -2 | 2 | 16 | 8.80   | 12.69  | -8.51  | -9.41  | 227.86 | -3.89 | 2.36 |
| 0  | 2 | 16 | 38.22  | 38.28  | -35.06 | 15.37  | 156.33 | -0.06 | 0.63 |
| 2  | 2 | 16 | 43.89  | 42.33  | -40.50 | 12.32  | 163.07 | 1.55  | 0.71 |
| -3 | 3 | 16 | 90.17  | 83.90  | 83.39  | 9.29   | 6.36   | 6.27  | 0.57 |
| -1 | 3 | 16 | 74.53  | 71.25  | 71.12  | 4.23   | 3.40   | 3.28  | 0.52 |
| 1  | 3 | 16 | 42.99  | 41.63  | -39.45 | -13.30 | 198.63 | 1.36  | 0.65 |
| -2 | 4 | 16 | 12.90  | 11.20  | -3.83  | 10.53  | 110.00 | 1.69  | 1.73 |
| 0  | 4 | 16 | 34.82  | 35.88  | -10.23 | -34.39 | 253.43 | -1.06 | 0.68 |
| 2  | 4 | 16 | 36.95  | 36.26  | -12.68 | -33.98 | 249.54 | 0.69  | 0.81 |
| -3 | 5 | 16 | 27.17  | 26.70  | 6.68   | 25.85  | 75.50  | 0.47  | 1.01 |
| 1  | 5 | 16 | 36.79  | 34.61  | 30.35  | -16.63 | 331.28 | 2.18  | 0.72 |
| 0  | 6 | 16 | 71.98  | 72.07  | 71.05  | 12.07  | 9.64   | -0.09 | 0.56 |
| -4 | 0 | 17 | 55.40  | 48.20  | 48.15  | 2.10   | 2.49   | 7.21  | 0.75 |
| -2 | 0 | 17 | 45.77  | 43.41  | -43.30 | -3.14  | 184.14 | 2.36  | 0.67 |
| 0  | 0 | 17 | 31.53  | 27.49  | -27.29 | -3.31  | 186.92 | 4.04  | 0.75 |
| 2  | 0 | 17 | 16.16  | 4.75   | -4.52  | 1.44   | 162.32 | 11.41 | 1.65 |
| -3 | 1 | 17 | 39.46  | 38.89  | -19.94 | -33.39 | 239.15 | 0.56  | 0.81 |
| -1 | 1 | 17 | 32.59  | 32.06  | -24.38 | -20.82 | 220.50 | 0.53  | 0.75 |
| 1  | 1 | 17 | 15.07  | 14.58  | -6.54  | 13.03  | 116.66 | 0.49  | 1.48 |
| -2 | 2 | 17 | 38.83  | 37.09  | 32.46  | -17.96 | 331.04 | 1.74  | 0.73 |
| 0  | 2 | 17 | 19.38  | 17.82  | 17.81  | 0.52   | 1.66   | 1.56  | 1.15 |
| 2  | 2 | 17 | 21.23  | 16.95  | -8.34  | 14.76  | 119.49 | 4.28  | 1.15 |
| -3 | 3 | 17 | 82.14  | 76.43  | 75.58  | 11.39  | 8.57   | 5.71  | 0.62 |
| -1 | 3 | 17 | 144.24 | 140.79 | 138.88 | 23.13  | 9.46   | 3.45  | 0.50 |
| 1  | 3 | 17 | 116.48 | 114.34 | 113.00 | 17.44  | 8.77   | 2.14  | 0.54 |
| -2 | 4 | 17 | 41.94  | 39.52  | 23.71  | 31.62  | 53.13  | 2.41  | 0.73 |
| 0  | 4 | 17 | 28.46  | 26.07  | 24.80  | 8.02   | 17.92  | 2.39  | 0.86 |
| -1 | 5 | 17 | 38.53  | 39.65  | -39.51 | -3.27  | 184.72 | -1.11 | 0.75 |
| -2 | 0 | 18 | 109.69 | 106.01 | 105.81 | 6.49   | 3.51   | 3.69  | 0.56 |
| 0  | 0 | 18 | 14.75  | 13.56  | 13.44  | 1.83   | 7.75   | 1.18  | 1.55 |
| -3 | 1 | 18 | 19.25  | 14.09  | 12.62  | 6.26   | 26.39  | 5.17  | 1.52 |



|    |   |    |       |       |        |        |        |       |      |
|----|---|----|-------|-------|--------|--------|--------|-------|------|
| -1 | 1 | 18 | 21.47 | 23.32 | -16.32 | -16.66 | 225.59 | -1.85 | 1.17 |
| -1 | 1 | 18 | 37.47 | 34.22 | -32.45 | -10.85 | 198.49 | 3.25  | 0.82 |
| -2 | 2 | 18 | 22.19 | 22.38 | -16.64 | -14.97 | 221.98 | -0.20 | 1.17 |
| 0  | 2 | 18 | 36.18 | 35.92 | 34.64  | -9.52  | 344.64 | 0.26  | 0.77 |
| -1 | 3 | 18 | 12.51 | 7.03  | 1.09   | -6.95  | 278.92 | 5.48  | 1.81 |
| 0  | 4 | 18 | 26.28 | 27.36 | 15.53  | 22.52  | 55.41  | -1.07 | 1.01 |
| 0  | 0 | 19 | 31.39 | 27.46 | 27.40  | 1.81   | 3.78   | 3.93  | 0.91 |
| -1 | 1 | 19 | 25.69 | 22.67 | 21.80  | 6.22   | 15.94  | 3.02  | 1.03 |