

Table S1 RB indicators

| Month    |     | Sand response procedure          |                |                         |                                            |                                   |            |                                            |          |                          |                        | Pigging activity    |            | Corrosion inhibition           |                                  |                                            |          |            | Operational strategy               |                     |                                            |          |            |                                            |                                            |          |            |                                            |                         |            |      |      |      |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
|----------|-----|----------------------------------|----------------|-------------------------|--------------------------------------------|-----------------------------------|------------|--------------------------------------------|----------|--------------------------|------------------------|---------------------|------------|--------------------------------|----------------------------------|--------------------------------------------|----------|------------|------------------------------------|---------------------|--------------------------------------------|----------|------------|--------------------------------------------|--------------------------------------------|----------|------------|--------------------------------------------|-------------------------|------------|------|------|------|--------------------------------------------|--|--|--|--|--------------------------------------------|--|--|--|--|------------|--|--|--|--|------------|--|--|--|--|
|          |     | Acoustic Sand Detector           |                | Erosion probe           |                                            | Manual well-flow topside sampling |            | Response to sand indicator                 |          | Inspection & maintenance |                        | Equipment selection |            | Active inhibition system       |                                  |                                            |          |            | Managing chemical treatment        |                     |                                            |          |            | Regular inspection                         |                                            |          |            |                                            | Unscheduled inspection  |            |      |      |      | Production strategy                        |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
|          |     |                                  |                |                         |                                            |                                   |            |                                            |          |                          |                        |                     |            | Injection rate/production rate |                                  |                                            |          |            | Perforation of correct valves open |                     |                                            |          |            | Formalization & availability of procedures |                                            |          |            |                                            | Validation of chemicals |            |      |      |      | Overdue inspections                        |  |  |  |  | Formalization & availability of procedures |  |  |  |  | Training   |  |  |  |  | Experience |  |  |  |  |
|          |     |                                  |                |                         |                                            |                                   |            |                                            |          |                          |                        |                     |            | Capacity of injection          |                                  |                                            |          |            | Usability of injection equipment   |                     |                                            |          |            | Formalization & availability of procedures |                                            |          |            |                                            | Overdue inspections     |            |      |      |      | Formalization & availability of procedures |  |  |  |  | Training                                   |  |  |  |  | Experience |  |  |  |  |            |  |  |  |  |
| Watchdog | Age | Overdue inspection & maintenance | Loss of signal | Laboratory availability | Formalization & availability of procedures | Training                          | Experience | Formalization & availability of procedures | Training | Experience               | Compliance to schedule | Training            | Experience | Capacity of injection          | Usability of injection equipment | Formalization & availability of procedures | Training | Experience | Validation of chemicals            | Overdue inspections | Formalization & availability of procedures | Training | Experience | N of findings                              | Formalization & availability of procedures | Training | Experience | Formalization & availability of procedures | Training                | Experience |      |      |      |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 1        | 1   | 1.00                             | 2              | 1                       | 1                                          | 4.84                              | 4.04       | 4.17                                       | 4.08     | 4.10                     | 4.00                   | 2                   | 4.79       | 4.00                           | 4.05                             | 4.77                                       | 2        | 1          | 4.83                               | 4.00                | 4.10                                       | 2        | 3          | 4.17                                       | 4.00                                       | 4.13     | 2          | 4.35                                       | 4.02                    | 4.00       | 4.01 | 4.32 | 4.00 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 2        | 1   | 1.02                             | 2              | 1                       | 1                                          | 4.76                              | 4.00       | 4.52                                       | 4.03     | 4.60                     | 4.07                   | 2                   | 4.72       | 4.01                           | 5.11                             | 4.12                                       | 2        | 1          | 4.00                               | 4.07                | 4.04                                       | 2        | 3          | 5.15                                       | 4.03                                       | 4.02     | 2          | 4.32                                       | 4.05                    | 4.06       | 4.02 | 4.17 | 4.04 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 3        | 1   | 1.03                             | 2              | 1                       | 1                                          | 5.21                              | 3.99       | 5.30                                       | 4.00     | 5.19                     | 4.08                   | 2                   | 4.28       | 4.08                           | 6.00                             | 3.64                                       | 2        | 1          | 4.14                               | 4.11                | 3.99                                       | 2        | 3          | 4.74                                       | 4.10                                       | 4.00     | 2          | 4.66                                       | 3.98                    | 4.05       | 4.00 | 5.32 | 4.08 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 4        | 1   | 1.05                             | 2              | 1                       | 1                                          | 5.15                              | 3.99       | 4.13                                       | 3.99     | 4.80                     | 4.23                   | 2                   | 5.01       | 4.23                           | 5.90                             | 3.42                                       | 2        | 1          | 5.10                               | 4.04                | 3.95                                       | 2        | 3          | 4.67                                       | 4.18                                       | 3.98     | 2          | 4.61                                       | 3.91                    | 4.04       | 3.96 | 4.68 | 4.03 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 5        | 1   | 1.05                             | 2              | 1                       | 1                                          | 4.15                              | 3.96       | 4.74                                       | 3.99     | 5.24                     | 4.19                   | 2                   | 4.67       | 4.13                           | 5.62                             | 3.64                                       | 2        | 1          | 4.10                               | 4.23                | 3.98                                       | 2        | 3          | 4.08                                       | 4.08                                       | 3.99     | 2          | 4.75                                       | 3.83                    | 4.31       | 3.94 | 4.00 | 4.09 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 6        | 1   | 1.08                             | 2              | 1                       | 1                                          | 4.68                              | 3.83       | 4.05                                       | 3.97     | 4.06                     | 4.26                   | 2                   | 4.46       | 4.10                           | 4.81                             | 4.09                                       | 2        | 1          | 4.49                               | 4.26                | 3.85                                       | 2        | 3.5        | 5.42                                       | 4.29                                       | 3.88     | 2          | 5.29                                       | 3.87                    | 4.10       | 3.78 | 4.52 | 4.29 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 7        | 1   | 1.09                             | 2              | 1                       | 1                                          | 4.47                              | 3.98       | 4.30                                       | 3.86     | 4.24                     | 4.39                   | 2                   | 4.70       | 4.02                           | 3.61                             | 4.70                                       | 2        | 1          | 4.14                               | 4.37                | 3.79                                       | 2        | 3.5        | 4.50                                       | 4.02                                       | 3.82     | 2          | 4.77                                       | 3.69                    | 4.36       | 3.82 | 4.24 | 4.45 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 8        | 1   | 1.11                             | 2              | 1                       | 1                                          | 4.36                              | 3.98       | 4.88                                       | 3.87     | 4.11                     | 4.46                   | 2                   | 4.03       | 4.14                           | 2.60                             | 5.37                                       | 2        | 1          | 5.17                               | 4.24                | 3.80                                       | 2        | 3.5        | 4.15                                       | 4.34                                       | 3.71     | 2          | 4.32                                       | 3.91                    | 4.14       | 3.81 | 4.73 | 4.06 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 9        | 1   | 1.12                             | 2              | 1                       | 1                                          | 4.57                              | 3.58       | 5.38                                       | 3.62     | 4.84                     | 4.37                   | 2                   | 4.55       | 4.33                           | 1.79                             | 5.81                                       | 2        | 1          | 4.22                               | 4.43                | 3.67                                       | 2        | 3.5        | 4.07                                       | 4.34                                       | 3.81     | 2          | 5.06                                       | 3.87                    | 4.18       | 3.59 | 4.24 | 4.33 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 10       | 6   | 1.14                             | 2              | 1                       | 1                                          | 4.82                              | 3.71       | 5.13                                       | 3.99     | 4.41                     | 4.33                   | 2                   | 4.61       | 4.44                           | 1.55                             | 6.00                                       | 2        | 1          | 4.84                               | 4.12                | 3.44                                       | 2        | 3.5        | 5.11                                       | 4.06                                       | 3.80     | 2          | 5.36                                       | 3.64                    | 4.01       | 3.89 | 5.25 | 4.53 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 11       | 6   | 1.15                             | 2              | 1                       | 1                                          | 4.62                              | 3.48       | 4.26                                       | 3.47     | 4.12                     | 4.71                   | 2                   | 5.31       | 4.73                           | 1.84                             | 5.78                                       | 2        | 1          | 4.97                               | 4.10                | 3.70                                       | 2        | 3.5        | 4.13                                       | 4.54                                       | 3.52     | 2          | 5.21                                       | 3.41                    | 4.58       | 3.78 | 4.79 | 4.36 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 12       | 6   | 1.17                             | 2              | 1                       | 1                                          | 4.58                              | 3.34       | 4.06                                       | 3.88     | 4.90                     | 4.73                   | 2                   | 5.49       | 4.22                           | 2.69                             | 5.36                                       | 2        | 1          | 4.19                               | 4.27                | 3.44                                       | 2        | 1          | 5.20                                       | 4.68                                       | 3.58     | 2          | 5.25                                       | 3.95                    | 4.44       | 3.62 | 5.30 | 4.27 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 13       | 1   | 1.18                             | 2              | 1                       | 1                                          | 4.06                              | 3.64       | 4.67                                       | 3.79     | 4.57                     | 4.22                   | 2                   | 4.51       | 4.04                           | 3.95                             | 4.72                                       | 2        | 1          | 4.52                               | 4.66                | 3.48                                       | 2        | 1          | 5.18                                       | 4.08                                       | 3.44     | 2          | 4.64                                       | 3.25                    | 4.10       | 3.33 | 4.77 | 4.80 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 14       | 1   | 1.20                             | 2              | 1                       | 1                                          | 4.53                              | 3.85       | 4.58                                       | 3.34     | 4.19                     | 4.51                   | 2                   | 5.30       | 4.17                           | 5.05                             | 4.08                                       | 2        | 1          | 5.02                               | 4.59                | 3.60                                       | 2        | 1          | 4.96                                       | 4.41                                       | 3.32     | 2          | 4.54                                       | 3.36                    | 4.19       | 3.31 | 4.58 | 4.02 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 15       | 1   | 1.21                             | 2              | 1                       | 1                                          | 4.21                              | 3.92       | 4.81                                       | 3.62     | 4.68                     | 4.74                   | 2                   | 4.35       | 4.71                           | 5.86                             | 3.61                                       | 2        | 1          | 4.10                               | 4.93                | 3.28                                       | 2        | 2          | 4.60                                       | 4.44                                       | 3.86     | 2          | 5.45                                       | 3.99                    | 4.49       | 3.31 | 4.67 | 4.42 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 16       | 1   | 1.23                             | 2              | 1                       | 6                                          | 4.03                              | 3.37       | 4.65                                       | 3.79     | 5.39                     | 4.16                   | 2                   | 5.30       | 4.09                           | 5.91                             | 3.42                                       | 2        | 1          | 4.82                               | 5.02                | 3.31                                       | 2        | 2          | 4.43                                       | 4.34                                       | 3.30     | 2          | 5.32                                       | 3.30                    | 4.98       | 3.52 | 4.25 | 4.80 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 17       | 1   | 1.24                             | 2              | 1                       | 6                                          | 4.16                              | 3.86       | 4.31                                       | 3.40     | 4.98                     | 4.06                   | 2                   | 4.95       | 4.71                           | 5.61                             | 3.61                                       | 2        | 1          | 4.96                               | 5.08                | 3.84                                       | 2        | 1          | 5.23                                       | 4.58                                       | 3.52     | 2          | 4.31                                       | 3.24                    | 4.30       | 3.61 | 4.59 | 5.06 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 18       | 1   | 1.26                             | 2              | 1                       | 6                                          | 4.21                              | 3.55       | 4.89                                       | 3.27     | 4.79                     | 4.08                   | 2                   | 4.35       | 4.61                           | 3.84                             | 3.91                                       | 2        | 1          | 4.62                               | 4.44                | 3.33                                       | 2        | 1          | 4.11                                       | 4.43                                       | 3.35     | 2          | 4.77                                       | 3.57                    | 4.85       | 3.85 | 4.00 | 4.11 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 19       | 1   | 1.27                             | 2              | 1                       | 1                                          | 4.09                              | 3.37       | 4.21                                       | 3.20     | 5.04                     | 4.23                   | 2                   | 5.25       | 4.84                           | 2.93                             | 4.52                                       | 2        | 1          | 4.54                               | 5.06                | 3.01                                       | 2        | 1          | 4.65                                       | 4.83                                       | 3.33     | 2          | 5.27                                       | 2.97                    | 4.32       | 2.98 | 4.18 | 4.67 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 20       | 1   | 1.29                             | 2              | 1                       | 1                                          | 4.14                              | 3.57       | 4.29                                       | 2.98     | 5.29                     | 4.88                   | 2                   | 4.15       | 4.54                           | 2.40                             | 5.32                                       | 2        | 1          | 4.20                               | 4.65                | 3.54                                       | 2        | 1          | 4.79                                       | 5.13                                       | 3.57     | 2          | 4.62                                       | 2.93                    | 4.01       | 3.20 | 4.18 | 4.67 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 21       | 1   | 1.30                             | 2              | 6                       | 1                                          | 4.06                              | 3.52       | 4.90                                       | 3.18     | 5.17                     | 4.37                   | 2                   | 4.46       | 4.58                           | 1.70                             | 5.83                                       | 2        | 1          | 4.95                               | 5.24                | 3.85                                       | 2        | 2          | 4.43                                       | 4.98                                       | 3.01     | 2          | 5.23                                       | 3.66                    | 4.86       | 3.92 | 5.17 | 4.18 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 22       | 1   | 1.32                             | 2              | 1                       | 1                                          | 4.03                              | 3.57       | 4.55                                       | 3.67     | 4.71                     | 4.52                   | 2                   | 4.86       | 4.45                           | 1.54                             | 5.99                                       | 2        | 1          | 4.07                               | 4.16                | 3.78                                       | 2        | 2          | 4.36                                       | 4.68                                       | 3.54     | 2          | 4.07                                       | 3.87                    | 4.02       | 2.77 | 4.37 | 4.94 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 23       | 1   | 1.33                             | 2              | 1                       | 1                                          | 3.95                              | 2.81       | 4.04                                       | 3.40     | 4.04                     | 4.52                   | 2                   | 4.90       | 5.12                           | 1.81                             | 5.73                                       | 2        | 1          | 4.17                               | 4.55                | 3.12                                       | 2        | 2.5        | 4.50                                       | 4.65                                       | 3.19     | 2          | 4.64                                       | 3.09                    | 5.28       | 3.41 | 4.54 | 5.20 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 24       | 1   | 1.35                             | 2              | 1                       | 1                                          | 3.93                              | 2.72       | 4.36                                       | 3.01     | 4.07                     | 4.17                   | 2                   | 4.15       | 4.04                           | 2.58                             | 5.32                                       | 2        | 1          | 4.73                               | 4.98                | 3.24                                       | 2        | 2.5        | 4.12                                       | 5.28                                       | 2.76     | 2          | 4.97                                       | 3.83                    | 4.20       | 3.03 | 4.02 | 5.35 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 25       | 1   | 1.36                             | 2              | 1                       | 1                                          | 3.96                              | 3.28       | 4.93                                       | 3.08     | 4.13                     | 4.57                   | 2                   | 4.49       | 4.96                           | 3.58                             | 4.64                                       | 2        | 1          | 5.10                               | 4.31                | 3.15                                       | 2        | 2.5        | 4.97                                       | 4.61                                       | 3.35     | 2          | 4.89                                       | 3.40                    | 5.16       | 2.95 | 4.30 | 4.11 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 26       | 1   | 1.38                             | 2              | 1                       | 1                                          | 3.85                              | 3.84       | 4.22                                       | 3.38     | 4.64                     | 4.45                   | 2                   | 4.36       | 4.55                           | 4.53                             | 4.04                                       | 2        | 1          | 4.53                               | 5.41                | 2.88                                       | 2        | 2.5        | 4.35                                       | 4.23                                       | 2.86     | 2          | 4.04                                       | 3.05                    | 4.95       | 3.55 | 4.22 | 4.53 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 27       | 1   | 1.39                             | 2              | 1                       | 1                                          | 3.98                              | 3.49       | 4.07                                       | 2.72     | 4.47                     | 4.85                   | 2                   | 4.01       | 3.49                           | 4.03                             | 3.50                                       | 2        | 1          | 4.48                               | 5.44                | 3.10                                       | 2        | 2.5        | 4.56                                       | 4.30                                       | 3.86     | 2          | 4.26                                       | 3.38                    | 4.29       | 3.91 | 4.65 | 4.08 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 28       | 1   | 1.41                             | 2              | 1                       | 1                                          | 3.58                              | 2.95       | 4.11                                       | 3.82     | 4.62                     | 4.55                   | 2                   | 4.94       | 5.18                           | 5.29                             | 3.34                                       | 2        | 1          | 4.11                               | 4.32                | 3.17                                       | 2        | 1          | 4.03                                       | 4.68                                       | 3.05     | 2          | 4.15                                       | 2.74                    | 4.42       | 3.94 | 4.52 | 4.66 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 29       | 1   | 1.42                             | 2              | 1                       | 1                                          | 3.88                              | 3.75       | 4.07                                       | 2.60     | 4.49                     | 5.17                   | 2                   | 4.06       | 4.93                           | 4.99                             | 3.52                                       | 2        | 1          | 4.66                               | 4.79                | 3.86                                       | 2        | 1          | 4.28                                       | 4.04                                       | 2.86     | 2          | 4.65                                       | 2.69                    | 5.00       | 3.82 | 4.63 | 4.27 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 30       | 6   | 1.44                             | 2              | 1                       | 1                                          | 3.42                              | 3.46       | 4.40                                       | 2.74     | 4.47                     | 4.37                   | 2                   | 4.48       | 4.79                           | 4.14                             | 3.99                                       | 2        | 1          | 4.85                               | 4.62                | 2.73                                       | 2        | 1          | 4.03                                       | 5.14                                       | 2.65     | 2          | 4.06                                       | 3.40                    | 5.01       | 3.46 | 4.05 | 5.19 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 31       | 6   | 1.45                             | 2              | 1                       | 1                                          | 3.34                              | 3.04       | 4.36                                       | 3.50     | 4.03                     | 4.55                   | 2                   | 4.26       | 4.03                           | 2.89                             | 4.50                                       | 2        | 1          | 4.12                               | 4.15                | 3.28                                       | 2        | 2          | 4.10                                       | 4.32                                       | 3.83     | 2          | 4.68                                       | 3.09                    | 4.87       | 2.51 | 4.05 | 4.38 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 32       | 1   | 1.47                             | 2              | 1                       | 1                                          | 3.94                              | 3.49       | 4.08                                       | 3.41     | 4.44                     | 4.67                   | 2                   | 4.70       | 5.17                           | 2.28                             | 5.26                                       | 2        | 1          | 4.37                               | 4.59                | 2.51                                       | 2        | 2          | 4.66                                       | 4.47                                       | 3.26     | 2          | 4.72                                       | 2.70                    | 4.48       | 3.47 | 4.02 | 4.99 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 33       | 1   | 1.48                             | 2              | 1                       | 1                                          | 3.56                              | 3.48       | 4.48                                       | 3.68     | 4.26                     | 4.85                   | 2                   | 4.08       | 4.67                           | 1.69                             | 5.75                                       | 2        | 1          | 4.10                               | 5.03                | 3.28                                       | 2        | 3          | 4.04                                       | 4.83                                       | 3.93     | 2          | 4.26                                       | 2.55                    | 4.47       | 2.60 | 4.23 | 4.66 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 34       | 1   | 1.50                             | 2              | 1                       | 6                                          | 3.21                              | 2.58       | 4.36                                       | 2.88     | 4.53                     | 4.41                   | 2                   | 4.03       | 4.51                           | 1.48                             | 5.91                                       | 2        | 1          | 4.49                               | 4.88                | 3.07                                       | 2        | 3          | 4.55                                       | 4.61                                       | 3.86     | 2          | 4.32                                       | 3.84                    | 4.94       | 3.73 | 4.39 | 4.06 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 35       | 1   | 1.52                             | 2              | 1                       | 6                                          | 3.73                              | 3.94       | 4.26                                       | 2.75     | 4.30                     | 5.45                   | 2                   | 4.07       | 5.05                           | 1.71                             | 5.64                                       | 2        | 1          | 4.37                               | 5.14                | 3.24                                       | 2        | 3.5        | 4.45                                       | 4.65                                       | 2.54     | 2          | 4.02                                       | 3.05                    | 4.88       | 3.66 | 4.21 | 4.49 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 36       | 1   | 1.53                             | 2              | 1                       | 6                                          | 3.51                              | 3.83       | 4.26                                       | 3.54     | 4.22                     | 4.46                   | 2                   | 4.33       | 4.34                           | 2.31                             | 5.15                                       | 2        | 1          | 4.20                               | 4.57                | 3.11                                       | 2        | 1          | 4.28                                       | 4.96                                       | 3.25     | 2          | 4.09                                       | 2.79                    | 5.08       | 3.81 | 4.38 | 5.40 |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |
| 37       | 1   | 1.55                             | 2              | 1                       | 6                                          | 3.20                              | 3.47       | 4.23                                       | 2.69     | 4.04                     | 5.22                   | 2                   | 4.19       | 4.06                           |                                  |                                            |          |            |                                    |                     |                                            |          |            |                                            |                                            |          |            |                                            |                         |            |      |      |      |                                            |  |  |  |  |                                            |  |  |  |  |            |  |  |  |  |            |  |  |  |  |

|     |   |      |   |   |   |      |      |      |      |      |      |      |      |      |      |      |      |     |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |
|-----|---|------|---|---|---|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|
| 65  | 1 | 1.97 | 2 | 1 | 1 | 3.15 | 4.09 | 2.73 | 4.04 | 3.86 | 3.77 | 2    | 3.13 | 3.77 | 4.48 | 3.43 | 2    | 1   | 2.72 | 3.72 | 4.16 | 2    | 3   | 2.96 | 3.75 | 4.11 | 2    | 3.73 | 4.10 | 3.73 | 4.07 | 3.75 | 3.70 |      |
| 66  | 1 | 1.98 | 2 | 1 | 1 | 3.62 | 4.08 | 3.83 | 4.24 | 2.80 | 3.67 | 2    | 3.26 | 3.91 | 3.48 | 3.83 | 2    | 1   | 3.52 | 3.70 | 4.23 | 2    | 3.5 | 2.97 | 3.90 | 4.20 | 2    | 3.06 | 4.21 | 3.67 | 4.08 | 2.88 | 3.90 |      |
| 67  | 1 | 2.00 | 2 | 1 | 1 | 3.50 | 4.31 | 3.84 | 4.19 | 2.79 | 3.70 | 2    | 3.08 | 3.57 | 2.67 | 4.42 | 2    | 1   | 3.97 | 3.89 | 4.24 | 2    | 3.5 | 3.15 | 3.73 | 4.33 | 2    | 3.06 | 4.21 | 3.70 | 4.07 | 3.55 | 3.89 |      |
| 68  | 1 | 2.02 | 2 | 1 | 1 | 3.31 | 4.24 | 3.06 | 4.12 | 3.39 | 3.65 | 2    | 3.70 | 3.84 | 1.40 | 4.16 | 2    | 1   | 3.37 | 3.58 | 4.29 | 2    | 3.5 | 3.48 | 3.80 | 4.02 | 2    | 2.56 | 4.03 | 3.98 | 4.40 | 3.23 | 3.95 |      |
| 69  | 1 | 2.03 | 2 | 1 | 1 | 3.90 | 4.28 | 2.86 | 4.43 | 3.41 | 3.70 | 2    | 2.71 | 3.88 | 1.42 | 5.34 | 2    | 1   | 3.75 | 3.93 | 4.48 | 2    | 3.5 | 3.74 | 3.87 | 4.29 | 2    | 3.50 | 4.30 | 3.66 | 4.03 | 3.69 | 3.91 |      |
| 70  | 1 | 2.05 | 2 | 1 | 1 | 3.54 | 4.53 | 3.31 | 4.28 | 3.11 | 3.96 | 2    | 2.54 | 3.65 | 1.33 | 5.66 | 2    | 1   | 3.66 | 3.91 | 4.07 | 2    | 3.5 | 3.80 | 3.56 | 4.11 | 2    | 2.88 | 4.48 | 3.88 | 4.38 | 3.22 | 3.71 |      |
| 71  | 1 | 2.06 | 2 | 1 | 1 | 3.51 | 4.61 | 3.71 | 4.34 | 4.00 | 3.84 | 2    | 2.75 | 3.85 | 1.70 | 4.84 | 2    | 3.5 | 3.90 | 4.40 | 4.44 | 2    | 3.5 | 3.75 | 3.46 | 4.23 | 2    | 3.58 | 4.44 | 3.90 | 4.41 | 3.52 | 3.94 |      |
| 72  | 1 | 2.08 | 2 | 1 | 1 | 3.75 | 4.15 | 3.79 | 4.57 | 3.25 | 3.49 | 2    | 3.93 | 3.74 | 2.01 | 4.93 | 2    | 3   | 3.65 | 3.44 | 4.09 | 2    | 1   | 2.85 | 3.94 | 4.32 | 2    | 2.96 | 4.12 | 3.34 | 4.43 | 3.63 | 3.48 |      |
| 73  | 1 | 2.08 | 2 | 1 | 1 | 6    | 3.93 | 4.41 | 2.98 | 4.52 | 3.72 | 3.91 | 2    | 2.86 | 3.94 | 2.67 | 4.28 | 2   | 1    | 3.53 | 3.71 | 4.47 | 2   | 1    | 3.29 | 3.76 | 4.52 | 2    | 2.51 | 4.35 | 3.86 | 4.04 | 3.29 | 3.96 |
| 74  | 1 | 2.11 | 2 | 1 | 1 | 6    | 3.99 | 4.68 | 2.67 | 4.22 | 3.45 | 3.60 | 2    | 2.79 | 3.10 | 3.34 | 3.65 | 2   | 1    | 2.77 | 3.16 | 4.18 | 2   | 1    | 2.93 | 3.50 | 4.76 | 2    | 2.92 | 4.59 | 3.79 | 4.04 | 2.51 | 3.81 |
| 75  | 1 | 2.12 | 2 | 1 | 1 | 6    | 3.76 | 4.48 | 2.85 | 4.66 | 2.59 | 3.33 | 2    | 3.65 | 3.78 | 3.71 | 3.15 | 2   | 1    | 3.31 | 3.50 | 4.04 | 2   | 2    | 3.27 | 3.73 | 4.85 | 2    | 3.91 | 4.07 | 3.40 | 4.35 | 3.54 | 3.26 |
| 76  | 1 | 2.14 | 2 | 1 | 1 | 6    | 3.85 | 4.68 | 2.56 | 4.84 | 3.77 | 3.21 | 2    | 2.99 | 3.70 | 3.84 | 2.99 | 2   | 1    | 3.62 | 3.55 | 4.56 | 2   | 2    | 3.91 | 3.58 | 4.28 | 2    | 2.64 | 4.86 | 3.53 | 4.27 | 3.51 | 3.98 |
| 77  | 1 | 2.15 | 2 | 1 | 1 | 6    | 3.66 | 4.55 | 3.84 | 4.06 | 3.37 | 3.64 | 2    | 2.82 | 3.00 | 3.67 | 3.26 | 2   | 1    | 3.93 | 3.16 | 5.00 | 2   | 1    | 3.63 | 3.84 | 4.98 | 2    | 3.72 | 4.56 | 3.13 | 4.58 | 2.65 | 3.97 |
| 78  | 1 | 2.17 | 2 | 1 | 1 | 6    | 3.74 | 4.82 | 3.82 | 4.68 | 3.93 | 3.84 | 2    | 3.78 | 3.04 | 3.02 | 3.63 | 2   | 1    | 3.20 | 3.99 | 4.70 | 2   | 1    | 3.05 | 3.19 | 5.05 | 2    | 3.83 | 4.11 | 3.96 | 4.67 | 2.82 | 3.11 |
| 79  | 1 | 2.18 | 2 | 1 | 1 | 3.96 | 4.65 | 3.71 | 4.65 | 3.75 | 3.84 | 2    | 3.46 | 3.65 | 3.93 | 2.43 | 4.27 | 2   | 1    | 2.85 | 2.99 | 4.69 | 2   | 1    | 2.78 | 3.76 | 4.23 | 2    | 2.99 | 4.65 | 2.80 | 4.44 | 2.66 | 3.48 |
| 80  | 1 | 2.20 | 2 | 1 | 1 | 3.88 | 5.12 | 2.74 | 4.85 | 2.80 | 3.81 | 2    | 3.11 | 2.92 | 1.79 | 4.88 | 2    | 1   | 3.55 | 2.90 | 4.21 | 2    | 1   | 3.74 | 2.85 | 4.91 | 2    | 3.11 | 4.00 | 3.39 | 4.57 | 3.60 | 2.87 |      |
| 81  | 1 | 2.21 | 2 | 1 | 1 | 3.99 | 4.95 | 2.88 | 4.23 | 2.69 | 3.95 | 2    | 3.47 | 3.11 | 1.44 | 5.35 | 2    | 1   | 3.17 | 3.68 | 5.17 | 2    | 2   | 3.35 | 3.96 | 4.08 | 2    | 3.70 | 4.09 | 2.83 | 4.33 | 3.16 | 3.65 |      |
| 82  | 1 | 2.23 | 2 | 1 | 1 | 4.00 | 5.10 | 2.82 | 4.42 | 3.93 | 3.37 | 2    | 3.07 | 3.29 | 1.29 | 5.47 | 2    | 1   | 3.51 | 2.94 | 4.78 | 2    | 2   | 3.71 | 3.76 | 4.30 | 2    | 3.66 | 4.95 | 3.74 | 4.05 | 2.89 | 3.49 |      |
| 83  | 1 | 2.24 | 2 | 1 | 1 | 4.05 | 5.13 | 3.07 | 4.64 | 3.13 | 3.25 | 2    | 3.55 | 3.38 | 1.45 | 5.18 | 2    | 1   | 3.88 | 3.52 | 5.04 | 2    | 2   | 3.98 | 3.35 | 4.11 | 2    | 3.36 | 5.22 | 3.44 | 4.93 | 3.25 | 3.89 |      |
| 84  | 1 | 2.26 | 2 | 1 | 1 | 4.11 | 4.03 | 3.91 | 5.22 | 3.91 | 3.81 | 2    | 3.10 | 2.89 | 1.90 | 4.81 | 2    | 1   | 3.51 | 3.23 | 4.64 | 2    | 2.5 | 3.56 | 2.76 | 4.54 | 2    | 3.66 | 4.01 | 3.08 | 5.10 | 3.47 | 3.98 |      |
| 85  | 1 | 2.27 | 2 | 1 | 1 | 4.07 | 4.03 | 3.16 | 5.11 | 2.99 | 2.86 | 2    | 3.93 | 3.24 | 1.76 | 3.09 | 2    | 1   | 3.17 | 3.74 | 5.06 | 2    | 2.5 | 3.39 | 3.07 | 4.35 | 2    | 3.14 | 4.15 | 3.80 | 4.33 | 3.21 | 3.18 |      |
| 86  | 1 | 2.29 | 2 | 1 | 1 | 4.08 | 4.29 | 3.60 | 4.73 | 3.49 | 3.73 | 2    | 3.24 | 3.89 | 2.90 | 3.42 | 2    | 1   | 3.47 | 3.25 | 4.89 | 2    | 2.5 | 3.08 | 3.99 | 5.22 | 2    | 3.67 | 4.94 | 3.86 | 4.27 | 3.81 | 3.26 |      |
| 87  | 1 | 2.30 | 2 | 1 | 1 | 4.13 | 4.56 | 3.57 | 4.91 | 3.07 | 3.23 | 2    | 3.71 | 3.25 | 3.35 | 2.99 | 2    | 1   | 3.18 | 2.53 | 4.93 | 2    | 2.5 | 3.97 | 3.51 | 4.87 | 2    | 3.09 | 4.83 | 2.66 | 4.94 | 3.65 | 3.78 |      |
| 88  | 1 | 2.32 | 2 | 1 | 1 | 4.01 | 4.58 | 3.40 | 5.26 | 3.04 | 3.36 | 2    | 3.54 | 3.49 | 3.60 | 2.88 | 2    | 1   | 3.56 | 2.61 | 5.00 | 2    | 1   | 3.25 | 3.69 | 4.56 | 2    | 3.40 | 4.33 | 2.56 | 4.04 | 3.62 | 2.76 |      |
| 89  | 1 | 2.33 | 2 | 1 | 1 | 4.02 | 5.38 | 3.33 | 4.35 | 3.46 | 2.56 | 2    | 3.36 | 3.67 | 3.39 | 3.08 | 2    | 1   | 3.77 | 3.11 | 4.62 | 2    | 1   | 3.83 | 3.14 | 4.20 | 2    | 3.22 | 4.38 | 3.51 | 4.28 | 3.93 | 3.76 |      |
| 90  | 1 | 2.35 | 2 | 1 | 1 | 4.49 | 4.22 | 3.94 | 4.44 | 3.36 | 3.12 | 2    | 3.90 | 4.22 | 3.85 | 2.86 | 3.53 | 2   | 1    | 3.81 | 2.88 | 4.88 | 2   | 1    | 3.86 | 3.71 | 4.35 | 2    | 3.94 | 4.50 | 3.53 | 5.26 | 3.15 | 2.62 |
| 91  | 1 | 2.36 | 2 | 1 | 1 | 4.20 | 4.19 | 3.25 | 4.10 | 3.48 | 2.92 | 2    | 3.28 | 2.57 | 2.37 | 4.22 | 2    | 1   | 3.38 | 3.75 | 4.37 | 2    | 2   | 3.83 | 3.08 | 5.12 | 2    | 3.34 | 4.64 | 3.64 | 5.44 | 3.74 | 3.53 |      |
| 92  | 1 | 2.37 | 2 | 1 | 1 | 4.35 | 4.18 | 3.77 | 5.30 | 3.43 | 3.83 | 2    | 3.81 | 3.24 | 3.85 | 1.70 | 4.22 | 2   | 1    | 3.61 | 2.98 | 4.46 | 2   | 2    | 3.34 | 4.51 | 3.94 | 2    | 3.24 | 4.51 | 3.94 | 4.48 | 3.45 | 3.75 |
| 93  | 1 | 2.39 | 2 | 1 | 1 | 4.67 | 5.03 | 3.91 | 4.75 | 3.81 | 3.54 | 2    | 3.84 | 2.59 | 1.45 | 5.40 | 2    | 1   | 3.62 | 3.16 | 5.23 | 2    | 1   | 3.62 | 3.79 | 5.16 | 2    | 3.94 | 4.15 | 3.53 | 4.23 | 3.86 | 3.00 |      |
| 94  | 1 | 2.41 | 2 | 1 | 1 | 6    | 4.49 | 4.69 | 3.47 | 4.94 | 3.75 | 3.43 | 2    | 3.78 | 3.53 | 1.31 | 5.53 | 2   | 1    | 3.89 | 2.96 | 5.42 | 2   | 3    | 3.80 | 3.95 | 4.16 | 2    | 3.42 | 4.59 | 3.84 | 4.31 | 3.86 | 2.55 |
| 95  | 1 | 2.42 | 2 | 1 | 1 | 6    | 4.41 | 4.75 | 3.67 | 5.30 | 3.89 | 3.36 | 2    | 3.80 | 2.59 | 1.47 | 5.21 | 2   | 1    | 3.52 | 3.73 | 4.29 | 2   | 3.5  | 3.70 | 2.55 | 4.57 | 2    | 3.72 | 4.37 | 3.29 | 4.89 | 3.91 | 3.31 |
| 96  | 1 | 2.44 | 2 | 1 | 1 | 6    | 4.84 | 4.44 | 3.83 | 4.49 | 3.81 | 2.65 | 2    | 3.80 | 3.23 | 1.98 | 4.96 | 2   | 1    | 3.91 | 2.94 | 4.73 | 2   | 1    | 3.97 | 3.99 | 5.18 | 2    | 3.87 | 5.01 | 3.99 | 5.11 | 3.82 | 3.83 |
| 97  | 1 | 2.45 | 2 | 1 | 1 | 6    | 5.02 | 4.01 | 3.91 | 4.83 | 3.78 | 3.03 | 2    | 3.89 | 2.70 | 2.71 | 4.29 | 2   | 1    | 3.80 | 3.36 | 4.09 | 2   | 1    | 3.91 | 3.75 | 5.01 | 2    | 3.97 | 5.27 | 3.02 | 5.26 | 3.81 | 3.12 |
| 98  | 1 | 2.47 | 2 | 1 | 1 | 4.08 | 5.05 | 3.73 | 4.87 | 3.76 | 3.48 | 2    | 3.75 | 2.65 | 3.35 | 3.65 | 2    | 1   | 3.81 | 2.98 | 4.23 | 2    | 1   | 3.96 | 3.67 | 4.01 | 2    | 3.79 | 5.13 | 3.04 | 4.94 | 3.81 | 2.74 |      |
| 99  | 1 | 2.48 | 2 | 1 | 1 | 4.42 | 5.11 | 3.86 | 4.37 | 3.87 | 3.85 | 2    | 3.91 | 5.11 | 3.38 | 3.58 | 3.10 | 2   | 1    | 3.90 | 3.82 | 4.43 | 2   | 1    | 3.86 | 2.87 | 4.13 | 2    | 3.82 | 5.26 | 2.65 | 4.79 | 3.86 | 2.72 |
| 100 | 1 | 2.50 | 2 | 1 | 1 | 4.06 | 4.98 | 3.99 | 5.27 | 3.91 | 3.51 | 2    | 3.97 | 3.99 | 3.89 | 3.01 | 2    | 1   | 3.96 | 3.39 | 5.03 | 2    | 1.5 | 3.93 | 3.31 | 4.53 | 2    | 3.99 | 4.38 | 3.27 | 5.21 | 3.91 | 3.30 |      |
| 101 | 1 | 2.52 | 2 | 1 | 1 | 4.63 | 4.52 | 3.98 | 4.13 | 3.96 | 2.76 | 2    | 3.98 | 3.74 | 3.65 | 3.15 | 2    | 1   | 3.96 | 3.36 | 4.55 | 2    | 1.5 | 3.99 | 3.96 | 4.43 | 2    | 3.98 | 4.10 | 3.48 | 4.68 | 3.96 | 2.97 |      |
| 102 | 1 | 2.53 | 2 | 1 | 1 | 4.40 | 4.20 | 4.01 | 5.02 | 4.03 | 2.80 | 2    | 4.01 | 2.85 | 2.80 | 3.45 | 2    | 1   | 4.02 | 3.35 | 4.86 | 2    | 2   | 4.03 | 4.37 | 3.69 | 5.10 | 2    | 4.03 | 4.37 | 3.69 | 5.20 | 4.02 | 3.32 |
| 103 | 1 | 2.55 | 2 | 1 | 1 | 4.80 | 4.88 | 4.02 | 5.07 | 4.04 | 3.86 | 2    | 4.08 | 3.95 | 2.50 | 4.37 | 2    | 1   | 4.10 | 3.90 | 4.41 | 2    | 2   | 4.09 | 4.41 | 4.82 | 2    | 4.01 | 4.45 | 3.91 | 4.65 | 4.09 | 3.99 |      |
| 104 | 1 | 2.56 | 2 | 1 | 1 | 5.13 | 4.25 | 4.05 | 4.57 | 4.01 | 3.05 | 2    | 4.03 | 3.48 | 1.92 | 5.01 | 2    | 1   | 4.03 | 3.95 | 4.72 | 2    | 1   | 4.15 | 3.21 | 4.91 | 2    | 4.10 | 4.93 | 2.94 | 5.17 | 4.03 | 3.28 |      |
| 105 | 1 | 2.58 | 2 | 1 | 1 | 4.42 | 4.92 | 4.22 | 4.08 | 4.07 | 3.78 | 2    | 4.18 | 3.70 | 1.45 | 5.41 | 2    | 1   | 4.04 | 2.96 | 4.20 | 2    | 2   | 4.23 | 2.97 | 4.05 | 2    | 4.03 | 4.08 | 3.24 | 4.93 | 4.02 | 3.97 |      |
| 106 | 1 | 2.59 | 2 | 1 | 1 | 4.91 | 4.34 | 4.13 | 4.19 | 4.16 | 3.59 | 2    | 4.19 | 3.43 | 1.32 | 5.56 | 2    | 6   | 4.20 | 3.07 | 4.83 | 2    | 2   | 4.16 | 3.03 | 4.10 | 2    | 4.22 | 4.07 | 3.41 | 4.93 | 4.34 | 3.84 |      |
| 107 | 1 | 2.61 | 2 | 1 | 1 | 5.19 | 4.39 | 4.27 | 4.33 | 4.18 | 3.85 | 2    | 4.02 | 3.27 | 1.51 | 5.32 | 2    | 1   | 4.27 | 3.15 | 4.04 | 2    | 2   | 4.35 | 3.39 | 4.90 | 2    | 4.21 | 5.02 | 3.10 | 4.78 | 4.34 | 3.68 |      |
| 108 | 1 | 2.62 | 2 | 1 | 1 | 4.14 | 4.99 | 4.01 | 4.35 | 4.13 | 3.56 | 2    | 4.28 | 4.99 | 3.22 | 2.03 | 4.91 | 2   | 1    | 4.48 | 3.36 | 4.18 | 2   | 2    | 4.24 | 3.93 | 5.00 | 2    | 4.23 | 4.88 | 3.33 | 4    |      |      |

|     |   |      |   |   |   |      |      |      |      |      |      |   |      |      |      |      |   |   |      |      |      |   |     |      |      |      |   |      |      |      |      |      |      |
|-----|---|------|---|---|---|------|------|------|------|------|------|---|------|------|------|------|---|---|------|------|------|---|-----|------|------|------|---|------|------|------|------|------|------|
| 148 | 1 | 3.23 | 2 | 1 | 6 | 3.78 | 3.78 | 4.39 | 2.99 | 4.68 | 5.18 | 2 | 4.50 | 4.22 | 2.21 | 1.61 | 2 | 1 | 4.26 | 4.80 | 3.39 | 2 | 2   | 4.40 | 4.12 | 3.31 | 2 | 4.30 | 2.55 | 4.93 | 3.99 | 4.50 | 5.25 |
| 149 | 1 | 3.24 | 2 | 1 | 6 | 3.91 | 3.78 | 4.87 | 2.88 | 4.61 | 4.48 | 2 | 4.40 | 4.15 | 2.36 | 2.24 | 2 | 1 | 4.72 | 5.13 | 3.89 | 2 | 1   | 4.40 | 4.61 | 3.88 | 2 | 4.39 | 3.47 | 4.88 | 2.84 | 4.91 | 4.07 |
| 150 | 1 | 3.26 | 2 | 1 | 6 | 3.83 | 2.75 | 4.72 | 2.64 | 4.10 | 4.88 | 2 | 4.54 | 4.57 | 2.56 | 3.34 | 2 | 1 | 4.35 | 4.98 | 3.61 | 2 | 1   | 4.70 | 5.40 | 3.56 | 2 | 4.83 | 3.03 | 4.67 | 3.79 | 4.28 | 4.61 |
| 151 | 1 | 3.27 | 2 | 1 | 1 | 3.42 | 3.24 | 4.09 | 2.98 | 4.09 | 4.02 | 2 | 4.67 | 4.80 | 2.03 | 3.89 | 2 | 1 | 4.64 | 4.62 | 2.69 | 2 | 1   | 4.63 | 4.08 | 3.65 | 2 | 4.75 | 2.78 | 4.68 | 2.60 | 4.36 | 4.34 |
| 152 | 1 | 3.29 | 2 | 1 | 1 | 3.62 | 3.25 | 4.60 | 2.51 | 4.06 | 4.87 | 2 | 4.05 | 5.04 | 1.74 | 4.81 | 2 | 1 | 4.44 | 5.24 | 3.37 | 2 | 1   | 4.63 | 4.69 | 3.75 | 2 | 4.69 | 2.71 | 4.62 | 3.32 | 4.63 | 4.25 |
| 153 | 1 | 3.34 | 2 | 1 | 6 | 3.93 | 3.35 | 4.60 | 3.63 | 4.21 | 4.67 | 2 | 4.57 | 4.74 | 1.37 | 5.22 | 2 | 1 | 4.22 | 5.08 | 3.65 | 2 | 2   | 4.44 | 4.05 | 3.35 | 2 | 4.59 | 2.74 | 5.37 | 3.77 | 4.53 | 4.34 |
| 154 | 1 | 3.32 | 2 | 1 | 1 | 3.40 | 3.19 | 4.07 | 3.63 | 4.41 | 4.40 | 2 | 4.33 | 4.72 | 1.89 | 5.18 | 2 | 1 | 4.27 | 4.31 | 3.97 | 2 | 1   | 4.40 | 4.88 | 2.84 | 2 | 4.59 | 3.95 | 4.90 | 2.56 | 4.32 | 4.17 |
| 155 | 1 | 3.31 | 2 | 1 | 1 | 3.28 | 3.15 | 4.33 | 3.29 | 4.08 | 4.32 | 2 | 4.10 | 4.96 | 1.96 | 4.83 | 2 | 1 | 4.34 | 5.03 | 2.87 | 2 | 2.5 | 4.19 | 4.31 | 2.87 | 2 | 4.01 | 2.75 | 4.15 | 3.53 | 4.28 | 5.06 |
| 156 | 1 | 3.35 | 2 | 1 | 1 | 3.15 | 2.78 | 4.31 | 3.09 | 4.13 | 4.85 | 2 | 4.19 | 4.83 | 1.64 | 4.28 | 2 | 1 | 4.41 | 5.04 | 2.89 | 2 | 2.5 | 4.05 | 4.23 | 2.74 | 2 | 4.13 | 3.42 | 4.08 | 2.89 | 4.10 | 5.33 |
| 157 | 1 | 3.36 | 2 | 1 | 1 | 3.51 | 3.94 | 4.02 | 3.33 | 4.02 | 4.49 | 2 | 4.07 | 4.32 | 2.32 | 3.92 | 2 | 1 | 4.16 | 5.23 | 3.84 | 2 | 2.5 | 4.24 | 4.65 | 3.04 | 2 | 4.04 | 3.27 | 5.37 | 2.88 | 4.14 | 5.36 |
| 158 | 1 | 3.38 | 2 | 1 | 1 | 3.79 | 3.03 | 4.01 | 2.70 | 4.11 | 5.19 | 2 | 4.13 | 5.03 | 2.70 | 3.22 | 2 | 1 | 4.20 | 4.16 | 3.16 | 2 | 2.5 | 4.15 | 5.04 | 3.69 | 2 | 4.23 | 2.89 | 4.87 | 3.45 | 4.09 | 5.35 |
| 159 | 1 | 3.39 | 2 | 1 | 1 | 2.94 | 3.36 | 4.01 | 3.10 | 4.09 | 5.35 | 2 | 4.17 | 4.05 | 3.13 | 2.84 | 2 | 1 | 4.01 | 4.60 | 3.41 | 2 | 2.5 | 4.06 | 5.34 | 2.98 | 2 | 4.05 | 3.86 | 4.37 | 2.87 | 4.06 | 4.67 |
| 160 | 1 | 3.41 | 2 | 1 | 1 | 3.99 | 3.16 | 4.02 | 2.98 | 4.12 | 4.98 | 2 | 4.11 | 4.41 | 3.22 | 2.71 | 2 | 1 | 4.08 | 4.38 | 3.56 | 2 | 1   | 4.04 | 4.56 | 3.82 | 2 | 4.03 | 3.01 | 5.18 | 2.92 | 4.11 | 4.47 |
| 161 | 1 | 3.42 | 2 | 1 | 1 | 3.06 | 2.95 | 4.02 | 2.90 | 4.03 | 5.26 | 2 | 4.01 | 4.17 | 2.28 | 2.14 | 2 | 1 | 4.04 | 5.26 | 3.38 | 2 | 1   | 4.01 | 4.12 | 3.36 | 2 | 4.03 | 3.35 | 4.06 | 3.96 | 4.03 | 4.16 |
| 162 | 6 | 3.44 | 2 | 1 | 1 | 3.39 | 3.55 | 3.97 | 3.02 | 3.98 | 4.40 | 2 | 3.98 | 5.16 | 1.91 | 2.37 | 2 | 1 | 3.97 | 4.19 | 3.02 | 2 | 1   | 3.99 | 5.03 | 2.98 | 2 | 4.00 | 3.31 | 4.15 | 3.94 | 3.98 | 5.21 |
| 163 | 6 | 3.45 | 2 | 1 | 1 | 3.71 | 3.18 | 3.93 | 3.41 | 3.90 | 4.33 | 2 | 3.91 | 4.33 | 2.05 | 3.98 | 2 | 1 | 3.95 | 4.09 | 3.48 | 2 | 2   | 3.90 | 4.72 | 3.05 | 2 | 3.94 | 2.83 | 5.03 | 3.00 | 3.90 | 4.26 |
| 164 | 1 | 3.47 | 2 | 1 | 1 | 3.43 | 3.41 | 3.86 | 2.88 | 3.88 | 5.02 | 2 | 3.83 | 4.72 | 1.59 | 4.54 | 2 | 1 | 3.84 | 4.57 | 2.87 | 2 | 2   | 3.86 | 4.45 | 2.94 | 2 | 3.98 | 3.71 | 5.14 | 2.92 | 3.91 | 4.42 |
| 165 | 1 | 3.48 | 2 | 1 | 1 | 3.81 | 3.53 | 3.80 | 3.39 | 3.95 | 4.03 | 2 | 3.84 | 4.65 | 1.31 | 5.02 | 2 | 1 | 3.87 | 4.55 | 3.13 | 2 | 2   | 3.79 | 5.05 | 3.80 | 2 | 3.82 | 3.26 | 4.54 | 2.89 | 3.85 | 4.15 |
| 166 | 1 | 3.50 | 2 | 1 | 6 | 2.54 | 3.87 | 3.68 | 3.43 | 3.70 | 4.87 | 2 | 3.76 | 4.02 | 1.21 | 5.08 | 2 | 1 | 3.85 | 4.25 | 3.73 | 2 | 3   | 3.94 | 4.03 | 3.40 | 2 | 3.92 | 2.95 | 4.96 | 3.00 | 3.88 | 4.14 |
| 167 | 1 | 3.52 | 2 | 1 | 6 | 3.93 | 3.11 | 3.70 | 3.42 | 3.67 | 4.74 | 2 | 3.68 | 4.61 | 1.36 | 4.76 | 2 | 1 | 3.66 | 4.83 | 3.10 | 2 | 3.5 | 3.89 | 4.90 | 3.54 | 2 | 3.85 | 3.66 | 4.91 | 3.26 | 3.71 | 4.47 |
| 168 | 1 | 3.53 | 2 | 1 | 6 | 3.33 | 3.14 | 3.83 | 3.97 | 3.98 | 4.52 | 2 | 3.63 | 4.40 | 1.68 | 4.36 | 2 | 1 | 3.89 | 4.09 | 3.75 | 2 | 1   | 3.91 | 4.92 | 3.00 | 2 | 3.66 | 2.96 | 4.38 | 3.42 | 3.96 | 4.27 |
| 169 | 1 | 3.55 | 2 | 1 | 6 | 3.46 | 3.92 | 3.60 | 3.62 | 3.65 | 4.34 | 2 | 3.59 | 4.58 | 2.10 | 3.66 | 2 | 1 | 3.55 | 4.05 | 3.17 | 2 | 1   | 3.56 | 4.13 | 3.30 | 2 | 3.83 | 3.37 | 4.21 | 3.73 | 3.89 | 4.41 |
| 170 | 1 | 3.56 | 2 | 1 | 6 | 3.00 | 3.96 | 3.93 | 3.29 | 3.99 | 4.70 | 2 | 3.55 | 4.69 | 2.43 | 2.96 | 2 | 1 | 3.61 | 4.54 | 3.18 | 2 | 1   | 3.59 | 4.81 | 3.81 | 2 | 3.84 | 3.39 | 4.10 | 3.98 | 3.38 | 4.66 |
| 171 | 1 | 3.58 | 2 | 1 | 1 | 3.94 | 3.87 | 3.71 | 3.48 | 3.48 | 4.04 | 2 | 3.89 | 3.87 | 3.79 | 2.59 | 2 | 1 | 3.48 | 4.20 | 3.33 | 2 | 1   | 3.67 | 4.70 | 3.48 | 2 | 3.61 | 3.40 | 4.46 | 3.51 | 3.71 | 4.19 |
| 172 | 1 | 3.59 | 2 | 1 | 1 | 3.48 | 3.99 | 3.85 | 3.82 | 3.92 | 4.61 | 2 | 3.88 | 4.36 | 2.69 | 2.36 | 2 | 1 | 3.50 | 4.45 | 3.89 | 2 | 1.5 | 3.90 | 4.08 | 3.39 | 2 | 3.46 | 3.66 | 4.32 | 3.92 | 3.36 | 4.33 |
| 173 | 1 | 3.61 | 2 | 1 | 1 | 3.77 | 3.98 | 3.87 | 3.64 | 3.23 | 4.15 | 2 | 3.42 | 3.98 | 2.58 | 2.54 | 2 | 1 | 3.70 | 4.50 | 3.27 | 2 | 1.5 | 3.95 | 4.53 | 3.45 | 2 | 3.99 | 3.65 | 4.60 | 3.78 | 3.27 | 4.20 |
| 174 | 1 | 3.62 | 2 | 1 | 1 | 2.95 | 3.75 | 3.46 | 3.43 | 3.73 | 4.12 | 2 | 3.28 | 4.43 | 2.25 | 3.03 | 2 | 1 | 3.10 | 4.44 | 3.37 | 2 | 2   | 3.63 | 4.32 | 3.77 | 2 | 3.51 | 3.97 | 4.20 | 3.52 | 3.72 | 4.23 |
| 175 | 1 | 3.65 | 2 | 1 | 1 | 3.91 | 3.87 | 3.81 | 4.01 | 3.53 | 3.72 | 2 | 3.32 | 4.02 | 1.81 | 3.62 | 2 | 1 | 3.23 | 4.71 | 3.93 | 2 | 2   | 3.56 | 3.73 | 3.63 | 2 | 3.29 | 3.65 | 4.34 | 3.75 | 3.47 | 3.92 |
| 176 | 1 | 3.65 | 2 | 1 | 1 | 3.99 | 3.89 | 3.43 | 3.55 | 3.24 | 4.21 | 2 | 3.35 | 4.19 | 1.48 | 4.21 | 2 | 1 | 3.08 | 4.21 | 3.72 | 2 | 2   | 3.85 | 4.09 | 3.85 | 2 | 3.53 | 3.58 | 4.00 | 3.98 | 3.09 | 4.05 |
| 177 | 1 | 3.67 | 2 | 1 | 1 | 3.44 | 3.70 | 3.99 | 3.87 | 3.63 | 4.26 | 2 | 3.18 | 4.20 | 1.26 | 4.77 | 2 | 1 | 3.17 | 4.18 | 3.88 | 2 | 2   | 2.96 | 4.18 | 3.74 | 2 | 3.01 | 3.97 | 4.30 | 3.91 | 3.23 | 4.17 |
| 178 | 1 | 3.68 | 2 | 1 | 1 | 2.87 | 3.86 | 3.00 | 3.80 | 3.62 | 4.22 | 2 | 3.90 | 4.08 | 1.19 | 4.89 | 2 | 1 | 3.69 | 4.11 | 3.77 | 2 | 2   | 2.91 | 4.18 | 3.72 | 2 | 3.27 | 3.84 | 4.12 | 3.65 | 3.90 | 4.05 |
| 179 | 1 | 3.70 | 2 | 1 | 1 | 3.13 | 3.79 | 3.97 | 3.99 | 3.81 | 4.13 | 2 | 3.73 | 4.06 | 1.31 | 4.55 | 2 | 1 | 2.84 | 4.01 | 3.93 | 2 | 2   | 2.94 | 4.11 | 3.86 | 2 | 3.40 | 3.82 | 4.10 | 3.95 | 3.81 | 4.09 |
| 180 | 1 | 3.71 | 2 | 1 | 1 | 3.39 | 3.97 | 3.56 | 3.81 | 3.73 | 4.04 | 2 | 3.77 | 4.05 | 1.60 | 4.15 | 2 | 1 | 3.47 | 4.03 | 3.93 | 2 | 2   | 2.88 | 4.07 | 3.92 | 2 | 3.09 | 3.85 | 4.03 | 3.90 | 3.65 | 4.05 |
| 181 | 1 | 3.73 | 2 | 1 | 1 | 3.60 | 3.93 | 3.31 | 3.89 | 2.76 | 4.00 | 2 | 3.60 | 4.00 | 1.92 | 3.37 | 2 | 1 | 2.76 | 4.00 | 3.97 | 2 | 2.5 | 2.86 | 4.00 | 3.90 | 2 | 3.26 | 3.91 | 4.00 | 3.91 | 3.21 | 4.00 |
| 182 | 1 | 3.74 | 2 | 1 | 1 | 3.90 | 3.95 | 3.35 | 3.97 | 3.24 | 3.92 | 2 | 3.99 | 3.95 | 2.43 | 2.96 | 2 | 1 | 3.87 | 3.94 | 3.99 | 2 | 2.5 | 3.54 | 3.94 | 3.99 | 2 | 2.76 | 3.99 | 3.93 | 3.99 | 3.50 | 3.95 |
| 183 | 1 | 3.76 | 2 | 1 | 1 | 2.97 | 4.02 | 3.02 | 4.02 | 3.20 | 3.90 | 2 | 2.99 | 4.07 | 2.89 | 2.68 | 2 | 1 | 2.94 | 3.95 | 4.00 | 2 | 2.5 | 2.63 | 3.86 | 4.01 | 2 | 3.98 | 4.01 | 3.93 | 4.02 | 3.61 | 3.97 |
| 184 | 1 | 3.77 | 2 | 1 | 1 | 2.92 | 4.05 | 3.24 | 4.05 | 3.27 | 3.84 | 2 | 3.01 | 4.00 | 1.96 | 1.00 | 2 | 1 | 3.71 | 3.96 | 4.04 | 2 | 2.5 | 2.88 | 3.94 | 4.01 | 2 | 3.11 | 4.07 | 3.85 | 4.01 | 3.64 | 3.99 |
| 185 | 1 | 3.79 | 2 | 1 | 1 | 3.42 | 3.36 | 4.15 | 3.47 | 3.47 | 4.12 | 2 | 3.98 | 3.81 | 2.49 | 2.43 | 2 | 1 | 3.73 | 3.83 | 4.00 | 2 | 2.5 | 2.74 | 3.79 | 4.18 | 2 | 3.17 | 4.13 | 3.91 | 4.03 | 3.44 | 3.71 |
| 186 | 1 | 3.80 | 2 | 1 | 1 | 3.03 | 4.03 | 4.24 | 3.74 | 3.40 | 3.64 | 2 | 2.79 | 3.65 | 2.41 | 3.24 | 2 | 1 | 3.13 | 3.95 | 4.09 | 2 | 2.5 | 3.88 | 3.66 | 4.16 | 2 | 3.68 | 4.11 | 3.94 | 4.20 | 3.09 | 4.67 |
| 187 | 1 | 3.82 | 2 | 1 | 1 | 3.40 | 4.28 | 3.49 | 4.08 | 2.57 | 3.59 | 2 | 3.58 | 4.28 | 1.58 | 3.88 | 2 | 1 | 2.65 | 3.83 | 4.11 | 2 | 2.5 | 2.80 | 3.87 | 4.02 | 2 | 2.64 | 4.15 | 3.68 | 4.10 | 3.72 | 3.70 |
| 188 | 1 | 3.83 | 2 | 1 | 1 | 3.33 | 4.09 | 3.58 | 4.35 | 2.67 | 3.57 | 2 | 2.55 | 3.96 | 1.54 | 4.41 | 2 | 1 | 3.58 | 3.56 | 4.31 | 2 | 2.5 | 2.57 | 3.65 | 4.38 | 2 | 3.49 | 4.02 | 3.58 | 4.39 | 3.84 | 3.52 |
| 189 | 1 | 3.85 | 2 | 1 | 1 | 3.96 | 4.13 | 3.66 | 4.04 | 2.88 | 3.92 | 2 | 3.84 | 3.46 | 1.30 | 4.97 | 2 | 1 | 3.48 | 3.95 | 4.43 | 2 | 3   | 3.45 | 3.50 | 4.28 | 2 | 3.03 | 4.46 | 3.87 | 4.24 | 3.82 | 3.94 |
| 190 | 6 | 3.86 | 2 | 1 | 1 | 3.59 | 4.08 | 3.53 | 4.26 | 3.80 | 3.96 | 2 | 2.86 | 3.70 | 1.21 | 5.03 | 2 | 1 | 3.82 | 3.53 | 4.25 | 2 | 3   | 3.40 | 3.59 | 4.47 | 2 | 3.43 | 4.01 | 3.82 | 4.52 | 3.20 | 3.69 |
| 191 | 6 | 3.88 | 2 | 1 | 1 | 3.61 | 4.57 | 3.93 | 4.48 | 2.76 | 3.37 | 2 | 3.65 | 3.78 | 1.32 | 4.56 | 2 | 1 | 3.12 | 3.94 | 4.08 | 2 | 3   | 3.20 | 3.92 | 4.56 | 2 | 2.57 | 4.46 | 3.55 | 4.06 | 2.97 | 3.42 |
| 192 | 6 | 3.89 | 2 | 1 | 1 | 3.33 |      |      |      |      |      |   |      |      |      |      |   |   |      |      |      |   |     |      |      |      |   |      |      |      |      |      |      |

|     |   |      |   |   |   |      |      |      |      |      |      |   |      |      |      |      |      |   |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |
|-----|---|------|---|---|---|------|------|------|------|------|------|---|------|------|------|------|------|---|------|------|------|------|-----|------|------|------|------|------|------|------|------|------|------|------|
| 231 | 1 | 4.48 | 2 | 1 | 1 | 5.25 | 4.24 | 4.66 | 4.18 | 4.69 | 3.63 | 2 | 4.05 | 3.40 | 2.46 | 2.22 | 2    | 1 | 4.47 | 3.87 | 4.59 | 2    | 1   | 4.36 | 3.79 | 4.47 | 2    | 4.41 | 4.12 | 3.66 | 4.47 | 4.34 | 3.38 |      |
| 232 | 1 | 4.50 | 2 | 1 | 1 | 4.65 | 4.46 | 4.58 | 4.46 | 4.32 | 3.32 | 2 | 4.39 | 3.89 | 2.42 | 1.98 | 2    | 1 | 4.67 | 3.80 | 4.74 | 2    | 1.5 | 4.74 | 3.53 | 4.70 | 2    | 4.34 | 4.53 | 3.35 | 4.31 | 4.13 | 3.51 |      |
| 233 | 1 | 4.52 | 2 | 1 | 1 | 4.71 | 4.37 | 4.01 | 4.56 | 4.31 | 3.48 | 2 | 4.37 | 3.78 | 2.30 | 2.15 | 2    | 1 | 4.64 | 3.73 | 4.56 | 2    | 1.5 | 4.35 | 3.84 | 4.59 | 2    | 4.28 | 4.22 | 3.77 | 4.46 | 4.67 | 3.72 |      |
| 234 | 1 | 4.53 | 2 | 1 | 1 | 5.37 | 4.04 | 4.09 | 4.30 | 4.67 | 3.61 | 2 | 4.32 | 4.04 | 3.73 | 1.96 | 2.54 | 2 | 1    | 4.65 | 3.65 | 4.01 | 2   | 2    | 4.57 | 3.99 | 4.64 | 2    | 4.07 | 4.45 | 3.90 | 4.29 | 4.80 | 3.84 |
| 235 | 1 | 4.55 | 2 | 1 | 1 | 4.51 | 4.40 | 4.17 | 4.48 | 4.72 | 3.63 | 2 | 4.33 | 3.99 | 1.57 | 2.82 | 2    | 1 | 4.88 | 3.82 | 4.33 | 2    | 2   | 4.47 | 3.81 | 4.25 | 2    | 4.43 | 4.41 | 3.81 | 4.38 | 4.86 | 3.99 |      |
| 236 | 1 | 4.54 | 2 | 1 | 1 | 5.16 | 4.02 | 4.75 | 4.37 | 4.37 | 3.64 | 2 | 4.45 | 3.91 | 1.38 | 3.82 | 2    | 1 | 4.28 | 3.94 | 4.51 | 2    | 2   | 4.08 | 3.93 | 4.15 | 2    | 5.02 | 4.24 | 3.77 | 4.23 | 4.35 | 3.68 |      |
| 237 | 1 | 4.54 | 2 | 1 | 1 | 4.95 | 4.02 | 4.41 | 4.23 | 4.43 | 3.96 | 2 | 4.13 | 3.82 | 1.20 | 4.33 | 2    | 1 | 4.70 | 3.80 | 4.42 | 2    | 2   | 4.36 | 3.71 | 4.38 | 2    | 4.95 | 4.24 | 3.72 | 4.38 | 4.45 | 3.87 |      |
| 238 | 1 | 4.54 | 2 | 1 | 1 | 4.09 | 4.04 | 5.00 | 4.09 | 4.49 | 3.87 | 2 | 4.51 | 3.87 | 1.15 | 4.42 | 2    | 6 | 4.71 | 3.90 | 4.15 | 2    | 2   | 4.43 | 3.84 | 4.22 | 2    | 5.12 | 4.09 | 3.93 | 4.34 | 4.81 | 3.82 |      |
| 239 | 1 | 4.61 | 2 | 1 | 1 | 5.18 | 4.20 | 5.05 | 4.23 | 4.30 | 3.91 | 2 | 4.86 | 3.84 | 1.26 | 4.09 | 2    | 1 | 4.53 | 3.93 | 4.03 | 2    | 2   | 4.20 | 3.98 | 4.16 | 2    | 4.89 | 4.14 | 3.95 | 4.10 | 4.61 | 3.91 |      |
| 240 | 1 | 4.62 | 2 | 1 | 1 | 5.02 | 4.01 | 4.24 | 4.02 | 4.66 | 3.97 | 2 | 4.71 | 3.94 | 1.48 | 3.67 | 2    | 1 | 4.15 | 4.00 | 4.14 | 2    | 2   | 4.22 | 3.99 | 4.12 | 2    | 4.71 | 4.19 | 3.94 | 4.17 | 5.10 | 3.95 |      |
| 241 | 1 | 4.64 | 2 | 6 | 6 | 4.61 | 4.03 | 5.08 | 4.06 | 4.87 | 4.00 | 2 | 4.59 | 4.00 | 1.85 | 3.15 | 2    | 1 | 5.01 | 4.00 | 4.09 | 2    | 2.5 | 4.56 | 4.00 | 4.10 | 2    | 4.07 | 4.10 | 4.00 | 4.09 | 5.20 | 4.00 |      |
| 242 | 1 | 4.65 | 2 | 1 | 6 | 4.76 | 4.02 | 4.76 | 4.04 | 5.30 | 4.08 | 2 | 5.03 | 4.08 | 2.21 | 2.64 | 2    | 1 | 4.09 | 4.03 | 4.04 | 2    | 2.5 | 4.10 | 4.03 | 4.03 | 2    | 4.86 | 4.01 | 4.05 | 4.04 | 4.08 | 4.03 |      |
| 243 | 1 | 4.67 | 2 | 1 | 1 | 4.73 | 3.98 | 4.83 | 3.99 | 4.60 | 4.13 | 2 | 4.24 | 4.07 | 2.41 | 2.16 | 2    | 1 | 4.97 | 4.00 | 3.98 | 2    | 2.5 | 4.46 | 4.02 | 3.99 | 2    | 4.36 | 3.98 | 4.13 | 3.99 | 5.09 | 4.04 |      |
| 244 | 1 | 4.68 | 2 | 1 | 1 | 4.73 | 3.99 | 4.07 | 4.00 | 4.08 | 4.23 | 2 | 4.15 | 4.01 | 2.46 | 2.04 | 2    | 1 | 4.09 | 4.17 | 3.91 | 2    | 2.5 | 5.15 | 4.11 | 3.93 | 2    | 4.35 | 3.97 | 4.19 | 3.98 | 5.15 | 4.06 |      |
| 245 | 1 | 4.70 | 2 | 1 | 1 | 5.07 | 3.86 | 4.24 | 3.89 | 5.33 | 4.23 | 2 | 4.66 | 3.86 | 4.02 | 2.37 | 2.30 | 2 | 1    | 4.16 | 4.05 | 3.82 | 2   | 2.5  | 4.43 | 4.15 | 3.86 | 2    | 4.60 | 4.00 | 4.19 | 3.91 | 4.12 | 4.01 |
| 246 | 1 | 4.71 | 2 | 1 | 1 | 4.48 | 3.83 | 5.13 | 3.78 | 5.15 | 4.01 | 2 | 4.53 | 4.35 | 2.00 | 2.63 | 2    | 1 | 4.34 | 4.25 | 3.94 | 2    | 2.5 | 5.37 | 4.31 | 3.98 | 2    | 5.41 | 3.99 | 4.12 | 3.81 | 4.73 | 4.36 |      |
| 247 | 1 | 4.73 | 2 | 1 | 1 | 4.57 | 3.85 | 4.20 | 3.70 | 4.32 | 4.03 | 2 | 4.80 | 4.15 | 1.72 | 3.33 | 2    | 1 | 4.47 | 4.03 | 3.96 | 2    | 2.5 | 5.36 | 4.22 | 3.72 | 2    | 5.19 | 3.81 | 4.42 | 3.95 | 5.25 | 4.39 |      |
| 248 | 1 | 4.74 | 2 | 1 | 1 | 4.90 | 3.67 | 4.13 | 3.94 | 4.96 | 4.47 | 2 | 4.39 | 4.21 | 1.39 | 3.83 | 2    | 1 | 4.00 | 4.35 | 3.79 | 2    | 2.5 | 4.54 | 4.13 | 3.96 | 2    | 5.28 | 3.61 | 4.52 | 3.63 | 5.43 | 4.20 |      |
| 249 | 6 | 4.76 | 2 | 1 | 1 | 4.50 | 3.57 | 5.35 | 3.96 | 4.89 | 4.20 | 2 | 4.10 | 4.16 | 1.22 | 4.48 | 2    | 1 | 5.25 | 4.60 | 3.66 | 2    | 3   | 4.71 | 4.50 | 3.56 | 2    | 5.32 | 3.71 | 4.14 | 3.67 | 4.95 | 4.58 |      |
| 250 | 6 | 4.77 | 2 | 1 | 1 | 4.36 | 3.50 | 4.98 | 3.98 | 5.12 | 4.45 | 2 | 4.18 | 4.40 | 1.16 | 4.52 | 2    | 1 | 4.75 | 4.07 | 3.89 | 2    | 3   | 5.31 | 4.13 | 3.71 | 2    | 4.93 | 3.59 | 4.22 | 3.68 | 4.60 | 4.46 |      |
| 251 | 6 | 4.79 | 2 | 1 | 1 | 4.15 | 3.75 | 5.05 | 3.69 | 5.16 | 4.61 | 2 | 5.17 | 4.23 | 1.28 | 4.25 | 2    | 1 | 4.52 | 4.50 | 3.50 | 2    | 3   | 5.06 | 4.70 | 3.93 | 2    | 4.39 | 3.70 | 4.49 | 3.52 | 4.62 | 4.18 |      |
| 252 | 1 | 4.80 | 2 | 1 | 1 | 4.09 | 3.37 | 4.52 | 3.45 | 4.19 | 4.38 | 2 | 5.28 | 4.50 | 1.60 | 4.05 | 2    | 1 | 5.28 | 4.18 | 3.83 | 2    | 3   | 4.33 | 4.09 | 3.38 | 2    | 4.38 | 3.93 | 4.14 | 3.31 | 4.18 | 4.80 |      |
| 253 | 1 | 4.82 | 2 | 1 | 1 | 4.51 | 3.77 | 4.59 | 3.36 | 4.38 | 4.10 | 2 | 4.06 | 4.37 | 1.85 | 3.11 | 2    | 1 | 5.12 | 4.39 | 3.60 | 2    | 3   | 4.98 | 4.43 | 3.35 | 2    | 4.03 | 3.84 | 4.43 | 3.55 | 5.00 | 4.33 |      |
| 254 | 1 | 4.83 | 2 | 1 | 1 | 4.42 | 3.88 | 5.17 | 3.29 | 4.47 | 4.64 | 2 | 4.37 | 4.64 | 2.14 | 2.48 | 2    | 1 | 5.03 | 4.05 | 3.39 | 2    | 3   | 5.24 | 4.14 | 3.84 | 2    | 4.59 | 3.75 | 4.60 | 3.99 | 4.32 | 4.54 |      |
| 255 | 1 | 4.85 | 2 | 1 | 1 | 4.02 | 3.37 | 5.29 | 3.91 | 4.68 | 4.08 | 2 | 5.24 | 4.29 | 2.17 | 1.73 | 2    | 1 | 5.30 | 4.87 | 3.38 | 2    | 3   | 4.46 | 4.10 | 3.71 | 2    | 4.58 | 3.49 | 4.52 | 3.35 | 5.28 | 4.50 |      |
| 256 | 1 | 4.86 | 2 | 1 | 1 | 4.46 | 3.34 | 4.72 | 3.71 | 5.37 | 4.12 | 2 | 4.91 | 4.34 | 1.12 | 1.56 | 2    | 1 | 4.64 | 4.19 | 3.74 | 2    | 3   | 4.07 | 4.65 | 3.51 | 2    | 4.61 | 3.34 | 4.97 | 3.18 | 5.18 | 4.59 |      |
| 257 | 1 | 4.88 | 2 | 1 | 1 | 4.13 | 3.52 | 4.59 | 3.31 | 4.23 | 4.67 | 2 | 4.05 | 4.90 | 2.24 | 2.12 | 2    | 1 | 4.99 | 4.34 | 3.97 | 2    | 3   | 5.10 | 4.22 | 3.03 | 2    | 5.27 | 3.72 | 4.83 | 3.09 | 5.24 | 4.72 |      |
| 258 | 1 | 4.89 | 2 | 1 | 1 | 4.73 | 3.03 | 5.21 | 2.94 | 5.36 | 4.47 | 2 | 4.44 | 4.24 | 2.00 | 2.72 | 2    | 1 | 4.59 | 4.53 | 3.83 | 2    | 3   | 5.28 | 3.94 | 4.09 | 2    | 5.28 | 3.94 | 4.09 | 2.90 | 4.77 | 5.11 |      |
| 259 | 1 | 4.91 | 2 | 1 | 1 | 4.22 | 3.91 | 4.71 | 3.13 | 4.08 | 4.26 | 2 | 4.09 | 4.47 | 1.52 | 2.63 | 2    | 1 | 4.75 | 4.72 | 3.74 | 2    | 3   | 5.07 | 4.59 | 3.70 | 2    | 5.17 | 3.62 | 4.22 | 3.53 | 5.22 | 4.57 |      |
| 260 | 1 | 4.92 | 2 | 1 | 1 | 4.08 | 2.86 | 5.35 | 3.71 | 4.83 | 4.24 | 2 | 4.05 | 4.31 | 1.29 | 3.22 | 2    | 1 | 4.19 | 4.70 | 3.84 | 2    | 3   | 4.43 | 4.96 | 3.54 | 2    | 4.89 | 3.49 | 4.53 | 3.54 | 4.30 | 4.55 |      |
| 261 | 1 | 4.94 | 2 | 1 | 1 | 4.01 | 3.07 | 4.98 | 2.95 | 5.28 | 4.81 | 2 | 4.20 | 4.96 | 1.22 | 4.56 | 2    | 1 | 4.74 | 4.63 | 3.46 | 2    | 3.5 | 4.66 | 5.25 | 3.82 | 2    | 4.30 | 3.40 | 4.01 | 3.38 | 5.02 | 4.49 |      |
| 262 | 1 | 4.95 | 2 | 1 | 1 | 4.01 | 2.88 | 4.60 | 3.58 | 4.36 | 4.24 | 2 | 4.86 | 4.91 | 1.16 | 4.49 | 2    | 1 | 4.76 | 4.72 | 3.59 | 2    | 3.5 | 4.60 | 4.26 | 3.45 | 2    | 4.26 | 2.77 | 5.11 | 3.75 | 4.55 | 4.58 |      |
| 263 | 1 | 4.97 | 2 | 1 | 1 | 3.97 | 3.55 | 4.08 | 3.63 | 4.76 | 4.86 | 2 | 4.00 | 4.50 | 1.28 | 4.15 | 2    | 1 | 4.95 | 4.47 | 3.69 | 2    | 3.5 | 4.58 | 4.70 | 2.92 | 2    | 4.04 | 3.13 | 5.22 | 3.11 | 4.65 | 4.31 |      |
| 264 | 1 | 4.98 | 2 | 1 | 1 | 3.97 | 2.79 | 4.40 | 2.99 | 4.03 | 4.87 | 2 | 4.98 | 5.06 | 1.50 | 3.76 | 2    | 1 | 5.05 | 4.59 | 3.86 | 2    | 3.5 | 4.50 | 5.02 | 3.55 | 2    | 5.18 | 3.15 | 5.24 | 3.74 | 4.67 | 5.09 |      |
| 265 | 1 | 5.00 | 2 | 1 | 1 | 3.97 | 3.17 | 4.90 | 2.82 | 5.07 | 5.06 | 2 | 4.88 | 5.09 | 1.82 | 3.04 | 2    | 1 | 4.58 | 4.71 | 2.79 | 2    | 3   | 4.35 | 4.98 | 3.04 | 2    | 4.13 | 3.42 | 4.27 | 2.99 | 4.67 | 5.14 |      |
| 266 | 1 | 5.02 | 2 | 1 | 1 | 3.86 | 3.94 | 4.72 | 3.43 | 5.05 | 5.11 | 2 | 4.62 | 5.04 | 2.16 | 2.51 | 2    | 1 | 4.53 | 5.28 | 3.99 | 2    | 3   | 4.87 | 5.36 | 3.69 | 2    | 4.26 | 3.90 | 4.81 | 3.42 | 4.66 | 4.46 |      |
| 267 | 1 | 5.03 | 2 | 1 | 1 | 3.84 | 3.30 | 4.93 | 3.17 | 4.23 | 4.81 | 2 | 4.09 | 5.29 | 2.32 | 2.01 | 2    | 1 | 4.41 | 4.73 | 3.21 | 2    | 3   | 4.12 | 4.06 | 3.12 | 2    | 4.69 | 3.17 | 5.02 | 3.29 | 4.83 | 5.34 |      |
| 268 | 1 | 5.05 | 2 | 1 | 1 | 3.84 | 3.58 | 4.44 | 3.31 | 4.63 | 4.05 | 2 | 4.82 | 5.05 | 2.40 | 1.95 | 2    | 1 | 4.59 | 5.47 | 2.96 | 2    | 3   | 4.48 | 4.83 | 2.58 | 2    | 4.94 | 2.54 | 5.09 | 2.57 | 4.35 | 4.36 |      |
| 269 | 1 | 5.06 | 2 | 1 | 1 | 3.52 | 2.85 | 4.85 | 3.29 | 4.54 | 5.24 | 2 | 4.43 | 5.11 | 2.23 | 2.10 | 2    | 1 | 4.36 | 4.72 | 3.45 | 2    | 3   | 4.75 | 4.66 | 2.58 | 2    | 4.70 | 3.59 | 4.00 | 3.95 | 4.62 | 5.40 |      |
| 270 | 1 | 5.08 | 2 | 1 | 1 | 3.78 | 3.31 | 4.14 | 2.99 | 4.50 | 4.82 | 2 | 4.25 | 5.21 | 1.97 | 2.63 | 2    | 1 | 4.85 | 5.29 | 2.90 | 2    | 3.5 | 4.41 | 5.35 | 3.43 | 2    | 4.13 | 3.14 | 4.11 | 3.86 | 4.55 | 4.30 |      |
| 271 | 1 | 5.09 | 2 | 1 | 1 | 3.45 | 3.73 | 4.74 | 3.85 | 4.57 | 4.06 | 2 | 4.72 | 4.51 | 1.68 | 3.29 | 2    | 1 | 4.38 | 4.31 | 3.70 | 2    | 3.5 | 4.45 | 4.73 | 2.54 | 2    | 4.67 | 3.34 | 5.22 | 3.00 | 4.37 | 4.01 |      |
| 272 | 1 | 5.11 | 2 | 1 | 1 | 3.71 | 3.62 | 4.51 | 3.13 | 4.22 | 4.19 | 2 | 4.14 | 3.62 | 1.38 | 3.86 | 2    | 1 | 4.35 | 5.42 | 2.78 | 2    | 3.5 | 4.23 | 4.06 | 2.84 | 2    | 4.64 | 3.50 | 5.09 | 2.71 | 4.54 | 5.27 |      |
| 273 | 1 | 5.12 | 2 | 1 | 1 | 3.29 | 3.19 | 4.10 | 3.02 | 4.64 | 4.78 | 2 | 4.11 | 4.68 | 1.20 | 4.32 | 2    | 1 | 4.27 | 5.33 | 3.05 | 2    | 3.5 | 4.61 | 4.02 | 3.12 | 2    | 4.26 | 3.58 | 4.83 | 3.80 | 4.14 | 4.61 |      |
| 274 | 6 | 5.14 | 2 | 1 | 1 | 3.33 | 3.80 | 4.20 | 3.54 | 4.03 | 4.99 | 2 | 4.46 | 4.67 | 1.15 | 4.41 | 2    | 1 | 4.30 | 4.13 | 3.88 | 2    | 3.5 | 4.06 | 4.39 | 3.41 | 2    | 4.36 | 2.71 | 4.47 | 3.58 | 4.57 | 4.40 |      |
| 275 | 6 | 5.15 |   |   |   |      |      |      |      |      |      |   |      |      |      |      |      |   |      |      |      |      |     |      |      |      |      |      |      |      |      |      |      |      |

Table S2 TEC2O indicators

[illegible]

|    |    |          |          |      |   |    |    |   |    |    |   |   |   |   |   |   |   |     |          |   |  |  |      |      |   |  |          |          |          |          |          |          |     |     |          |          |          |          |      |      |          |          |          |      |      |          |          |          |          |          |      |     |     |      |      |     |     |     |
|----|----|----------|----------|------|---|----|----|---|----|----|---|---|---|---|---|---|---|-----|----------|---|--|--|------|------|---|--|----------|----------|----------|----------|----------|----------|-----|-----|----------|----------|----------|----------|------|------|----------|----------|----------|------|------|----------|----------|----------|----------|----------|------|-----|-----|------|------|-----|-----|-----|
| 12 | 12 | 0.021919 | 63.72025 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.04 | 2.50 | 0 |  | 19.7484  | 45.10288 |          | 13.4352  | 4.362186 | 5.832834 | 0.0 | 0.0 | 0.0      | 3.753152 | 60.02328 | 2.066634 | -1.0 | -1.0 |          | 4.476098 | 0.0      | 51   | -1.0 | 0.0      | 17.49578 | 3.238049 | 6.714147 | 41.41393 | -1.0 | 0.0 | 0.0 | 0.0  | -1.0 | 0.0 | 0.0 | 0.0 |
| 13 | 13 | 0.0224   | 63.69833 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.04 | 2.26 | 0 |  | 18.41305 | 51.65618 | 14.10159 | 2.57228  | 5.180786 | 0.0      | 0.0 | 0.0 | 3.644454 | 66.18743 | 1.964995 | -1.0     | -1.0 |      | 4.1857   | 0.0      | 51.08333 | -1.0 | 0.0  | 18.19089 | 3.09285  | 6.278551 | 43.94842 | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 14 | 14 | 0.023809 | 63.67593 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.04 | 2.07 | 0 |  | 18.02953 | 43.18641 | 10.68314 | 4.711084 | 5.123778 | 0.0      | 0.0 | 0.0 | 3.006274 | 63.17951 | 1.878014 | -1.0     | -1.0 |      | 3.937182 | 0.0      | 51.16667 | -1.0 | 0.0  | 16.98051 | 2.968591 | 5.905774 | 39.76976 | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 15 | 15 | 0.038464 | 63.65212 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.05 | 2.00 | 0 |  | 21.46782 | 30.59473 | 9.812352 | 2.578005 | 5.327159 | 0.0      | 0.0 | 0.0 | 3.697744 | 76.9674  | 1.879625 | -2.0     | -2.0 |      | 3.941786 | 0.0      | 51.25    | -1.0 | 0.0  | 17.79454 | 2.970893 | 5.91268  | 40.43421 | -2.0     | 0.0  | 0.0 | 0.0 | -2.0 | 0.0  | 0.0 | 0.0 |     |
| 16 | 16 | 0.038739 | 63.61366 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.05 | 2.07 | 0 |  | 18.37265 | 37.93562 | 9.212272 | 3.351683 | 4.834279 | 0.0      | 0.0 | 0.0 | 3.757768 | 65.86124 | 1.83962  | -2.0     | -2.0 |      | 3.827486 | 0.0      | 51.33333 | -1.0 | 0.0  | 17.69091 | 2.913743 | 5.741229 | 41.30956 | -2.0     | 0.0  | 0.0 | 0.0 | -2.0 | 0.0  | 0.0 | 0.0 |     |
| 17 | 17 | 0.023421 | 63.57492 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.05 | 2.18 | 0 |  | 20.3373  | 41.10054 | 15.56321 | 4.70256  | 5.143083 | 0.0      | 0.0 | 0.0 | 3.426868 | 84.89703 | 2.107107 | -1.0     | -1.0 |      | 4.591733 | 0.0      | 51.41667 | -1.0 | 0.0  | 17.13789 | 3.295867 | 6.887602 | 44.55877 | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 18 | 18 | 0.02261  | 63.5515  | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.05 | 2.42 | 0 |  | 21.46361 | 36.81543 | 9.449651 | 2.684689 | 4.336561 | 0.0      | 0.0 | 0.0 | 4.026686 | 79.10029 | 1.912777 | -1.0     | -1.0 |      | 4.036504 | 0.0      | 51.5     | -1.0 | 0.0  | 16.77588 | 3.018252 | 6.054757 | 43.20613 | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 19 | 19 | 0.022466 | 63.52889 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.06 | 2.73 | 0 |  | 20.16907 | 32.39887 | 13.47217 | 5.151565 | 3.735766 | 0.0      | 0.0 | 0.0 | 4.068784 | 79.15741 | 2.010601 | -1.0     | -1.0 |      | 4.316003 | 0.0      | 51.58333 | -1.0 | 0.0  | 16.09528 | 3.158002 | 6.474005 | 45.37565 | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 20 | 20 | 0.027302 | 63.50643 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.06 | 2.93 | 0 |  | 20.51736 | 34.57331 | 7.594233 | 4.454061 | 4.045896 | 0.0      | 0.0 | 0.0 | 3.343229 | 47.02264 | 1.725968 | -1.0     | -1.0 |      | 3.502765 | 0.0      | 51.66667 | -1.0 | 0.0  | 17.24288 | 2.751383 | 5.254148 | 38.18002 | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 21 | 21 | 0.02305  | 63.47912 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.06 | 3.00 | 0 |  | 20.18636 | 42.51426 | 18.44161 | 3.573579 | 4.632937 | 0.0      | 0.0 | 0.0 | 3.131654 | 72.8506  | 1.972327 | -1.0     | -1.0 |      | 4.206649 | 0.0      | 51.75    | -1.0 | 0.0  | 16.66577 | 3.103324 | 6.309973 | 56.05746 | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 22 | 22 | 0.022402 | 63.45607 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.07 | 2.89 | 0 |  | 24.94305 | 54.22454 | 14.45375 | 3.480501 | 4.69722  | 0.0      | 0.0 | 0.0 | 3.906034 | 67.59615 | 2.176692 | -1.0     | -1.0 |      | 4.790549 | 0.0      | 51.83333 | -1.0 | 0.0  | 16.35856 | 3.395275 | 7.185824 | 45.92572 | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 23 | 23 | 0.021106 | 63.43367 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.07 | 2.73 | 0 |  | 25.51737 | 53.82312 | 10.24277 | 5.172027 | 3.437337 | 0.0      | 0.0 | 0.0 | 3.17306  | 84.41049 | 2.120954 | -1.0     | -1.0 |      | 4.631296 | 0.0      | 51.91667 | -1.0 | 0.0  | 16.56644 | 3.315648 | 6.946944 | 49.0413  | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 24 | 24 | 0.022122 | 63.41257 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.07 | 2.47 | 0 |  | 21.9959  | 52.65721 | 16.92579 | 4.408616 | 4.77534  | 0.0      | 0.0 | 0.0 | 3.506647 | 75.16833 | 2.173099 | -1.0     | -1.0 |      | 4.780284 | 0.0      | 52       | -1.0 | 0.0  | 17.11114 | 3.390142 | 7.170425 | 43.1526  | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 25 | 25 | 0.021804 | 63.39044 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.08 | 2.22 | 0 |  | 18.52492 | 43.83102 | 5.885975 | 4.687596 | 5.442955 | 0.0      | 0.0 | 0.0 | 3.949628 | 78.00913 | 2.026161 | -1.0     | -1.0 |      | 4.360461 | 0.0      | 52.08333 | -1.0 | 0.0  | 16.72857 | 3.18023  | 6.540691 | 50.43807 | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 26 | 26 | 0.020913 | 63.36864 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.08 | 2.03 | 0 |  | 20.69236 | 46.79489 | 5.599155 | 5.467634 | 5.398405 | 0.0      | 0.0 | 0.0 | 3.618707 | 63.80815 | 2.031662 | -1.0     | -1.0 |      | 4.376178 | 0.0      | 52.16667 | -1.0 | 0.0  | 15.9187  | 3.188089 | 6.564266 | 44.58571 | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 27 | 27 | 0.024316 | 63.34773 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.08 | 3.96 | 0 |  | 24.08654 | 44.06834 | 16.83921 | 3.383156 | 4.643874 | 0.0      | 0.0 | 0.0 | 4.263683 | 67.95291 | 2.154172 | -1.0     | -1.0 |      | 4.726206 | 0.0      | 52.25    | -1.0 | 0.0  | 16.34892 | 3.363103 | 7.089308 | 49.144   | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 28 | 28 | 0.021608 | 63.32341 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.08 | 2.03 | 0 |  | 19.04244 | 46.50398 | 12.11721 | 5.370724 | 5.91238  | 0.0      | 0.0 | 0.0 | 4.308817 | 64.5698  | 2.193994 | -1.0     | -1.0 |      | 4.839983 | 0.0      | 52.33333 | -1.0 | 0.0  | 15.84435 | 3.419992 | 7.259975 | 44.38793 | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 29 | 29 | 0.02478  | 63.3018  | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.09 | 2.21 | 0 |  | 20.87527 | 46.74157 | 13.80291 | 4.411628 | 3.715946 | 0.0      | 0.0 | 0.0 | 3.603303 | 83.53066 | 2.047596 | -1.0     | -1.0 |      | 4.421703 | 0.0      | 52.41667 | -1.0 | 0.0  | 15.68284 | 3.210852 | 6.632555 | 53.38703 | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 30 | 30 | 0.024168 | 63.27702 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.09 | 2.41 | 0 |  | 23.51536 | 54.41996 | 18.48034 | 4.922379 | 5.367197 | 0.0      | 0.0 | 0.0 | 3.914716 | 83.34082 | 2.383486 | -1.0     | -1.0 |      | 5.381389 | 0.0      | 52.5     | -1.0 | 0.0  | 15.62068 | 3.690694 | 8.072083 | 55.24938 | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 31 | 31 | 0.022514 | 63.25286 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.09 | 2.71 | 0 |  | 20.66607 | 47.35678 | 14.05859 | 3.91898  | 5.059497 | 0.0      | 0.0 | 0.0 | 4.304968 | 84.21418 | 2.197942 | -1.0     | -1.0 |      | 4.851263 | 0.0      | 52.58333 | -1.0 | 0.0  | 16.62774 | 3.425631 | 7.276894 | 43.67939 | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 32 | 32 | 0.022553 | 63.23034 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.10 | 2.90 | 0 |  | 20.73009 | 50.41    | 9.496319 | 5.312253 | 4.335286 | 0.0      | 0.0 | 0.0 | 4.454653 | 77.56886 | 2.189295 | -1.0     | -1.0 |      | 4.826558 | 0.0      | 52.66667 | -1.0 | 0.0  | 16.12092 | 3.413279 | 7.239837 | 58.17956 | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 33 | 33 | 0.023365 | 63.20779 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.10 | 2.96 | 0 |  | 26.4033  | 45.74767 | 11.22235 | 5.436263 | 4.777559 | 0.0      | 0.0 | 0.0 | 3.157305 | 72.20613 | 2.14277  | -1.0     | -1.0 |      | 4.693628 | 0.0      | 52.75    | -1.0 | 0.0  | 15.11376 | 3.346814 | 7.040442 | 45.51027 | -1.0     | 0.0  | 0.0 | 0.0 | -1.0 | 0.0  | 0.0 | 0.0 |     |
| 34 | 34 | 0.03878  | 63.18442 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.10 | 2.86 | 0 |  | 17.86864 | 49.79249 | 8.629866 | 5.344943 | 4.697549 | 0.0      | 0.0 | 0.0 | 3.953364 | 78.26164 | 2.081286 | -2.0     | -2.0 |      | 4.517959 | 0.0      | 52.83333 | -1.0 | 0.0  | 15.47245 | 3.25898  | 6.776939 | 48.99437 | -2.0     | 0.0  | 0.0 | 0.0 | -2.0 | 0.0  | 0.0 | 0.0 |     |
| 35 | 35 | 0.03711  | 63.14564 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.11 | 2.68 | 0 |  | 18.56408 | 51.16668 | 14.31336 | 4.748023 | 4.073428 | 0.0      | 0.0 | 0.0 | 4.205385 | 72.55502 | 2.113438 | -2.0     | -2.0 |      | 4.609824 | 0.0      | 52.91667 | -1.0 | 0.0  | 15.9991  | 3.304912 | 6.914736 | 48.16051 | -2.0     | 0.0  | 0.0 | 0.0 | -2.0 | 0.0  | 0.0 | 0.0 |     |
| 36 | 36 | 0.035168 | 63.10853 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  |      |      |   |  |          |          |          |          |          |          |     |     |          |          |          |          |      |      |          |          |          |      |      |          |          |          |          |          |      |     |     |      |      |     |     |     |

|    |    |          |          |      |   |    |    |   |    |    |   |   |   |   |   |   |   |     |          |   |  |  |      |      |   |          |          |          |          |          |     |     |     |          |          |          |      |      |          |     |            |      |     |          |          |          |          |      |     |     |     |      |     |     |     |
|----|----|----------|----------|------|---|----|----|---|----|----|---|---|---|---|---|---|---|-----|----------|---|--|--|------|------|---|----------|----------|----------|----------|----------|-----|-----|-----|----------|----------|----------|------|------|----------|-----|------------|------|-----|----------|----------|----------|----------|------|-----|-----|-----|------|-----|-----|-----|
| 41 | 41 | 0.021501 | 62.96216 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.12 | 2.20 | 0 | 19.65813 | 55.24612 | 9.500224 | 5.573013 | 5.846273 | 0.0 | 0.0 | 0.0 | 4.179716 | 85.68546 | 2.308223 | -1.0 | -1.0 | 5.16639  | 0.0 | 53.41667   | -1.0 | 0.0 | 15.8792  | 3.583175 | 7.749526 | 59.70029 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 42 | 42 | 0.020474 | 62.94066 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.13 | 2.44 | 0 | 22.33117 | 55.71746 | 14.43768 | 5.631386 | 5.275009 | 0.0 | 0.0 | 0.0 | 3.565624 | 86.98085 | 2.322528 | -1.0 | -1.0 | 5.207223 | 0.0 | 53.5       | -1.0 | 0.0 | 16.21863 | 3.603612 | 7.810835 | 57.7281  | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 43 | 43 | 0.020261 | 62.92018 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.13 | 2.66 | 0 | 21.03679 | 57.32487 | 18.52556 | 5.672085 | 4.206181 | 0.0 | 0.0 | 0.0 | 3.855705 | 86.59737 | 2.329465 | -1.0 | -1.0 | 5.227042 | 0.0 | 53.58333   | -1.0 | 0.0 | 14.47213 | 3.613521 | 7.840564 | 58.16912 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 44 | 44 | 0.021519 | 62.89992 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.13 | 2.87 | 0 | 19.83658 | 56.77524 | 13.5391  | 5.909612 | 5.536075 | 0.0 | 0.0 | 0.0 | 3.665459 | 89.53955 | 2.323054 | -1.0 | -1.0 | 5.208725 | 0.0 | 53.66667   | -1.0 | 0.0 | 14.45421 | 3.604363 | 7.813088 | 56.55918 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 45 | 45 | 0.021319 | 62.8784  | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.14 | 2.92 | 0 | 24.22785 | 58.55267 | 13.8717  | 5.582693 | 4.249264 | 0.0 | 0.0 | 0.0 | 3.169683 | 88.14712 | 2.261817 | -1.0 | -1.0 | 5.033764 | 0.0 | 53.75      | -1.0 | 0.0 | 14.55349 | 3.516882 | 7.550645 | 61.49311 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 46 | 46 | 0.021185 | 62.85708 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.14 | 2.83 | 0 | 21.14232 | 61.16206 | 16.09211 | 6.438027 | 4.556717 | 0.0 | 0.0 | 0.0 | 3.457169 | 93.67983 | 2.37045  | -1.0 | -1.0 | 5.344143 | 0.0 | 53.83333   | -1.0 | 0.0 | 15.079   | 3.672071 | 8.016214 | 52.23459 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 47 | 47 | 0.020796 | 62.8359  | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.14 | 2.68 | 0 | 23.14714 | 60.52072 | 11.19725 | 6.335995 | 5.866141 | 0.0 | 0.0 | 0.0 | 3.33665  | 92.22933 | 2.400306 | -1.0 | -1.0 | 5.429447 | 0.0 | 53.91667   | -1.0 | 0.0 | 14.90964 | 3.714724 | 8.144171 | 54.92789 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 48 | 48 | 0.020146 | 62.8151  | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.15 | 2.43 | 0 | 18.93691 | 60.83479 | 15.97285 | 5.969303 | 4.264133 | 0.0 | 0.0 | 0.0 | 3.85944  | 97.09031 | 2.341587 | -1.0 | -1.0 | 5.261678 | 0.0 | 54         | -1.0 | 0.0 | 14.83667 | 3.630839 | 7.892518 | 57.58962 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 49 | 49 | 0.020414 | 62.79496 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.15 | 2.18 | 0 | 21.01773 | 64.1516  | 17.36402 | 6.081907 | 4.737924 | 0.0 | 0.0 | 0.0 | 3.312502 | 105.0448 | 2.42238  | -1.0 | -1.0 | 5.492514 | 0.0 | 54.08333   | -1.0 | 0.0 | 16.07239 | 3.746257 | 8.238771 | 56.55998 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 50 | 50 | 0.019751 | 62.77454 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.15 | 2.00 | 0 | 20.10782 | 58.34066 | 12.65521 | 6.385146 | 4.611588 | 0.0 | 0.0 | 0.0 | 3.576663 | 95.71194 | 2.30989  | -1.0 | -1.0 | 5.171114 | 0.0 | 54.16667   | -1.0 | 0.0 | 14.73244 | 3.585557 | 7.756672 | 59.03775 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 51 | 51 | 0.019089 | 62.75479 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.15 | 1.94 | 0 | 18.25913 | 68.4869  | 18.21462 | 5.892558 | 5.328865 | 0.0 | 0.0 | 0.0 | 3.12748  | 104.8577 | 2.411374 | -1.0 | -1.0 | 5.461069 | 0.0 | 54.25      | -1.0 | 0.0 | 14.38974 | 3.730534 | 8.191603 | 55.7335  | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 52 | 52 | 0.019403 | 62.7357  | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.16 | 1.99 | 0 | 18.69999 | 67.60445 | 17.02373 | 6.869923 | 5.052079 | 0.0 | 0.0 | 0.0 | 3.453162 | 104.2925 | 2.474537 | -1.0 | -1.0 | 5.641534 | 0.0 | 54.33333   | -1.0 | 0.0 | 15.53996 | 3.820767 | 8.462301 | 54.79714 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 53 | 53 | 0.019648 | 62.7163  | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.16 | 2.17 | 0 | 19.56659 | 63.87754 | 18.34122 | 7.46934  | 5.942764 | 0.0 | 0.0 | 0.0 | 3.394202 | 92.23325 | 2.516934 | -1.0 | -1.0 | 5.762669 | 0.0 | 54.41667   | -1.0 | 0.0 | 15.5007  | 3.881334 | 8.644003 | 60.62703 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 54 | 54 | 0.02001  | 62.69665 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.16 | 2.35 | 0 | 17.86847 | 66.43028 | 18.31106 | 6.270766 | 5.899942 | 0.0 | 0.0 | 0.0 | 3.264558 | 112.9033 | 2.494859 | -1.0 | -1.0 | 5.699598 | 0.0 | 54.5       | -1.0 | 0.0 | 14.3982  | 3.849799 | 8.549397 | 64.58619 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 55 | 55 | 0.019669 | 62.67664 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.17 | 2.46 | 0 | 19.95563 | 65.46343 | 18.32135 | 7.552019 | 5.05662  | 0.0 | 0.0 | 0.0 | 3.196987 | 105.8868 | 2.550365 | -1.0 | -1.0 | 5.858186 | 0.0 | 54.58333   | -1.0 | 0.0 | 14.94266 | 3.929093 | 8.787279 | 52.244   | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 56 | 56 | 0.020653 | 62.65697 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.17 | 2.87 | 0 | 18.33805 | 64.23272 | 17.54904 | 6.968806 | 5.802686 | 0.0 | 0.0 | 0.0 | 3.039653 | 119.7092 | 2.509794 | -1.0 | -1.0 | 5.742268 | 0.0 | 54.66667   | -1.0 | 0.0 | 15.1477  | 3.871134 | 8.613402 | 59.49411 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 57 | 57 | 0.024016 | 62.63632 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.17 | 2.92 | 0 | 17.53954 | 60.56003 | 18.58797 | 7.024306 | 5.625254 | 0.0 | 0.0 | 0.0 | 3.311403 | 113.7014 | 2.483433 | -1.0 | -1.0 | 5.66695  | 0.0 | 54.75      | -1.0 | 0.0 | 14.31234 | 3.833475 | 8.500425 | 62.41238 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 58 | 58 | 0.023898 | 62.6123  | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.18 | 2.83 | 0 | 18.80837 | 73.68525 | 18.76203 | 6.715868 | 5.900625 | 0.0 | 0.0 | 0.0 | 3.240723 | 111.7374 | 2.588423 | -1.0 | -1.0 | 5.966922 | 0.0 | 54.83333   | -1.0 | 0.0 | 15.20086 | 3.983461 | 8.950383 | 52.65228 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 59 | 59 | 0.02344  | 62.5884  | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.18 | 2.65 | 0 | 18.43781 | 62.2207  | 19.77724 | 7.608822 | 5.979389 | 0.0 | 0.0 | 0.0 | 3.094967 | 106.0141 | 2.526111 | -1.0 | -1.0 | 5.788888 | 0.0 | 54.91667   | -1.0 | 0.0 | 14.68232 | 3.894444 | 8.683332 | 59.69931 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 60 | 60 | 0.019853 | 62.56496 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.18 | 2.38 | 0 | 18.16213 | 76.62731 | 20       | 5.574738 | 6        | 0.0 | 0.0 | 0.0 | 3.024216 | 102.7736 | 2.493263 | -1.0 | -1.0 | 5.695036 | 0.0 | 55         | -1.0 | 0.0 | 15.91482 | 3.847518 | 8.542554 | 55.11099 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 61 | 61 | 0.019856 | 62.54511 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.18 | 2.12 | 0 | 17.5487  | 68.88639 | 20.41228 | 5.60658  | 6.071505 | 0.0 | 0.0 | 0.0 | 3.031579 | 127.375  | 2.535083 | -1.0 | -1.0 | 5.814523 | 0.0 | 55.08333   | -1.0 | 0.0 | 16.31378 | 3.907262 | 8.721785 | 58.54688 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 62 | 62 | 0.019064 | 62.52526 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.19 | 1.95 | 0 | 17.48495 | 55.84794 | 21.20875 | 7.155594 | 6.310804 | 0.0 | 0.0 | 0.0 | 2.975947 | 113.5829 | 2.489195 | -1.0 | -1.0 | 5.683415 | 0.0 | 55.16667   | -1.0 | 0.0 | 14.71239 | 3.841707 | 8.525122 | 60.81209 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 63 | 63 | 0.018638 | 62.50619 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.19 | 1.91 | 0 | 17.05513 | 59.79047 | 20.48208 | 8.334605 | 6.311599 | 0.0 | 0.0 | 0.0 | 2.965873 | 104.1909 | 2.527845 | -1.0 | -1.0 | 5.793841 | 0.0 | 55.25      | -1.0 | 0.0 | 15.48563 | 3.896921 | 8.690762 | 65.44442 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 64 | 64 | 0.018461 | 62.48755 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.19 | 2.00 | 0 | 16.93605 | 57.39429 | 22.81534 | 7.461246 | 6.492606 | 0.0 | 0.0 | 0.0 | 2.901343 | 93.02177 | 2.449282 | -1.0 | -1.0 | 5.569376 | 0.0 | 55.33333   | -1.0 | 0.0 | 14.22035 | 3.784688 | 8.354064 | 59.29237 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 65 | 65 | 0.019341 | 62.46909 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.20 | 2.15 | 0 | 16.96983 | 76.03968 | 22.97519 | 7.165931 | 6.207796 | 0.0 | 0.0 | 0.0 | 2.787974 | 121.3217 | 2.645604 | -1.0 | -1.0 | 6.130298 | 0.0 | 55.41667</ |      |     |          |          |          |          |      |     |     |     |      |     |     |     |

|    |    |          |          |      |   |    |    |   |    |    |   |   |   |   |   |   |   |     |          |   |  |      |      |   |          |          |          |          |          |     |     |     |          |          |          |      |      |          |     |          |      |     |          |          |          |          |      |     |     |     |      |     |     |     |     |
|----|----|----------|----------|------|---|----|----|---|----|----|---|---|---|---|---|---|---|-----|----------|---|--|------|------|---|----------|----------|----------|----------|----------|-----|-----|-----|----------|----------|----------|------|------|----------|-----|----------|------|-----|----------|----------|----------|----------|------|-----|-----|-----|------|-----|-----|-----|-----|
| 70 | 70 | 0.020521 | 62.37021 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.21 | 2.73 | 0 | 13.66516 | 55.06572 | 25.37956 | 8.321221 | 7.07293  | 0.0 | 0.0 | 0.0 | 2.558827 | 99.57434 | 2.465718 | -1.0 | -1.0 | 5.616338 | 0.0 | 55.83333 | -1.0 | 0.0 | 16.83539 | 3.808169 | 8.424507 | 58.9235  | -1.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 |
| 71 | 71 | 0.020095 | 62.34969 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.22 | 2.57 | 0 | 16.53809 | 68.09613 | 25.63975 | 5.682119 | 6.111082 | 0.0 | 0.0 | 0.0 | 2.884338 | 96.94373 | 2.443342 | -1.0 | -1.0 | 5.552407 | 0.0 | 55.91667 | -1.0 | 0.0 | 16.33684 | 3.776204 | 8.328611 | 63.17589 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72 | 72 | 0.021956 | 62.3296  | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 2.22 | 2.31 | 0 | 14.94841 | 59.93011 | 22.85033 | 8.053878 | 6.489582 | 0.0 | 0.0 | 0.0 | 2.652563 | 108.087  | 2.48766  | -1.0 | -1.0 | 5.679029 | 0.0 | 56       | -1.0 | 0.0 | 16.97911 | 3.839515 | 8.518544 | 66.20406 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 73 | 73 | 0.019902 | 62.30764 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 2.22 | 2.08 | 0 | 13.27277 | 64.68153 | 28.42253 | 8.219584 | 6.995653 | 0.0 | 0.0 | 0.0 | 2.410254 | 133.3528 | 2.665461 | -1.0 | -1.0 | 6.187031 | 0.0 | 56.08333 | -1.0 | 0.0 | 15.63765 | 4.093516 | 9.280547 | 65.92374 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 74 | 74 | 0.020592 | 62.28774 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 2.22 | 1.88 | 0 | 14.51207 | 79.66133 | 24.97796 | 6.283499 | 6.536719 | 0.0 | 0.0 | 0.0 | 2.929341 | 100.0799 | 2.554858 | -1.0 | -1.0 | 5.871023 | 0.0 | 56.16667 | -1.0 | 0.0 | 16.63625 | 3.935512 | 8.806535 | 53.56048 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 75 | 75 | 0.020981 | 62.26715 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 2.23 | 1.82 | 0 | 13.24909 | 58.96136 | 24.45957 | 7.761724 | 6.876669 | 0.0 | 0.0 | 0.0 | 2.14332  | 100.8276 | 2.383256 | -1.0 | -1.0 | 5.38073  | 0.0 | 56.25    | -1.0 | 0.0 | 17.4103  | 3.690365 | 8.071096 | 58.91763 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 76 | 76 | 0.03224  | 62.24616 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 2.23 | 1.90 | 0 | 14.06201 | 66.0199  | 28.39948 | 8.161404 | 6.327954 | 0.0 | 0.0 | 0.0 | 2.444993 | 128.8565 | 2.632603 | -2.0 | -2.0 | 6.093152 | 0.0 | 56.33333 | -1.0 | 0.0 | 16.54244 | 4.046576 | 9.139727 | 50.52866 | -2.0 | 0.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77 | 77 | 0.035165 | 62.21392 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 2.23 | 2.07 | 0 | 12.39064 | 56.22215 | 20.11167 | 5.984703 | 7.619233 | 0.0 | 0.0 | 0.0 | 2.891017 | 123.2178 | 2.419475 | -2.0 | -2.0 | 5.484216 | 0.0 | 56.41667 | -1.0 | 0.0 | 16.49025 | 3.742108 | 8.226323 | 53.28977 | -2.0 | 0.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 78 | 78 | 0.020532 | 62.17876 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.24 | 2.32 | 0 | 13.45212 | 59.33897 | 30.12499 | 6.709924 | 6.472572 | 0.0 | 0.0 | 0.0 | 2.35211  | 128.5808 | 2.509983 | -1.0 | -1.0 | 5.742809 | 0.0 | 56.5     | -1.0 | 0.0 | 16.27491 | 3.871405 | 8.614214 | 63.38779 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 79 | 79 | 0.019368 | 62.15823 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.24 | 2.54 | 0 | 10.49712 | 76.06504 | 31.03239 | 7.51017  | 8.305388 | 0.0 | 0.0 | 0.0 | 2.996687 | 98.01894 | 2.703734 | -1.0 | -1.0 | 6.296382 | 0.0 | 56.58333 | -1.0 | 0.0 | 17.33955 | 4.148191 | 9.444572 | 54.45203 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80 | 80 | 0.020383 | 62.13886 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.24 | 2.75 | 0 | 11.54714 | 77.87565 | 23.15945 | 6.689928 | 6.0799   | 0.0 | 0.0 | 0.0 | 2.905158 | 112.1431 | 2.497476 | -1.0 | -1.0 | 5.707073 | 0.0 | 56.66667 | -1.0 | 0.0 | 16.19395 | 3.853537 | 8.56061  | 54.45193 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 81 | 81 | 0.02001  | 62.11848 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.25 | 2.78 | 0 | 10.62487 | 56.22687 | 30.60228 | 7.540292 | 6.484433 | 0.0 | 0.0 | 0.0 | 2.074718 | 121.0795 | 2.420523 | -1.0 | -1.0 | 5.487209 | 0.0 | 56.75    | -1.0 | 0.0 | 16.90444 | 3.743604 | 8.230813 | 54.36516 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82 | 82 | 0.020939 | 62.09847 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.25 | 2.67 | 0 | 10.43968 | 70.17862 | 24.84578 | 6.507198 | 7.300662 | 0.0 | 0.0 | 0.0 | 1.776351 | 109.5129 | 2.356356 | -1.0 | -1.0 | 5.303873 | 0.0 | 56.83333 | -1.0 | 0.0 | 17.75753 | 3.651937 | 7.95581  | 47.98902 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 83 | 83 | 0.020514 | 62.07753 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.25 | 2.53 | 0 | 17.31879 | 56.58467 | 27.67887 | 7.533191 | 8.471832 | 0.0 | 0.0 | 0.0 | 2.985121 | 102.1537 | 2.685241 | -1.0 | -1.0 | 6.243546 | 0.0 | 56.91667 | -1.0 | 0.0 | 18.13589 | 4.121773 | 9.365319 | 47.55096 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 84 | 84 | 0.019374 | 62.05701 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.25 | 1.83 | 0 | 17.32277 | 72.71539 | 22.59905 | 5.665929 | 7.855175 | 0.0 | 0.0 | 0.0 | 2.854647 | 110.5191 | 2.61063  | -1.0 | -1.0 | 6.030371 | 0.0 | 57       | -1.0 | 0.0 | 17.47672 | 4.015185 | 9.045556 | 58.5882  | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85 | 85 | 0.02014  | 62.03764 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.26 | 1.98 | 0 | 15.6728  | 63.98288 | 27.50025 | 7.199772 | 6.026023 | 0.0 | 0.0 | 0.0 | 2.05725  | 91.12736 | 2.373154 | -1.0 | -1.0 | 5.351868 | 0.0 | 57.08333 | -1.0 | 0.0 | 17.37597 | 3.675934 | 8.027802 | 57.38524 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 86 | 86 | 0.019138 | 62.0175  | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.26 | 1.81 | 0 | 13.97822 | 71.3068  | 34.67125 | 6.147133 | 6.98006  | 0.0 | 0.0 | 0.0 | 2.171776 | 96.45289 | 2.517159 | -1.0 | -1.0 | 5.763312 | 0.0 | 57.16667 | -1.0 | 0.0 | 17.29646 | 3.881656 | 8.644968 | 50.01815 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87 | 87 | 0.019476 | 61.99836 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.26 | 1.78 | 0 | 13.84849 | 71.83359 | 33.92277 | 6.54102  | 6.622577 | 0.0 | 0.0 | 0.0 | 2.669381 | 97.35009 | 2.574163 | -1.0 | -1.0 | 5.926179 | 0.0 | 57.25    | -1.0 | 0.0 | 18.10817 | 3.963089 | 8.889268 | 59.81198 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 88 | 88 | 0.019372 | 61.97888 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.27 | 1.85 | 0 | 8.898281 | 64.50439 | 28.87208 | 6.941659 | 7.715349 | 0.0 | 0.0 | 0.0 | 2.61612  | 87.12379 | 2.40424  | -1.0 | -1.0 | 5.440686 | 0.0 | 57.33333 | -1.0 | 0.0 | 17.19084 | 3.720343 | 8.161029 | 55.03043 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 89 | 89 | 0.020409 | 61.95951 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.27 | 2.03 | 0 | 16.13129 | 66.24491 | 31.16156 | 5.719819 | 6.579595 | 0.0 | 0.0 | 0.0 | 2.499657 | 111.2172 | 2.529196 | -1.0 | -1.0 | 5.797702 | 0.0 | 57.41667 | -1.0 | 0.0 | 17.99309 | 3.898851 | 8.696553 | 42.03214 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90 | 90 | 0.018897 | 61.9391  | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.27 | 2.30 | 0 | 16.29416 | 64.16543 | 22.54195 | 7.115348 | 7.833222 | 0.0 | 0.0 | 0.0 | 2.341668 | 93.52453 | 2.477938 | -1.0 | -1.0 | 5.651252 | 0.0 | 57.5     | -1.0 | 0.0 | 16.58224 | 3.825626 | 8.476878 | 45.27374 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 91 | 91 | 0.020885 | 61.92021 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.28 | 2.53 | 0 | 16.36747 | 60.8507  | 30.19296 | 5.929705 | 7.4559   | 0.0 | 0.0 | 0.0 | 2.49477  | 98.22583 | 2.499133 | -1.0 | -1.0 | 5.711809 | 0.0 | 57.58333 | -1.0 | 0.0 | 18.35914 | 3.855904 | 8.567713 | 56.05791 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92 | 92 | 0.021644 | 61.89932 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.28 | 2.76 | 0 | 11.12613 | 58.31707 | 28.35345 | 5.849709 | 6.418485 | 0.0 | 0.0 | 0.0 | 2.84971  | 89.70799 | 2.295539 | -1.0 | -1.0 | 5.130112 | 0.0 | 57.66667 | -1.0 | 0.0 | 18.3255  | 3.565056 | 7.695168 | 51.50169 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 93 | 93 | 0.02394  | 61.87768 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 2.28 | 2.80 | 0 | 13.16477 | 59.4448  | 30.37495 | 5.995549 | 6.10282  | 0.0 | 0.0 | 0.0 | 2.40568  | 89.57637 | 2.301999 | -1.0 | -1.0 | 5.148568 | 0.0 | 57.75    | -1.0 | 0.0 | 18.75345 | 3.574284 | 7.722852 | 53.51444 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 94 | 94 | 0.023105 | 61.85374 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 2.28 | 2.68 | 0 | 12.81943 | 56.87797 | 22.74117 | 5.960976 | 8.897698 | 0.0 |     |     |          |          |          |      |      |          |     |          |      |     |          |          |          |          |      |     |     |     |      |     |     |     |     |



|     |     |          |          |      |   |    |    |   |    |    |   |   |   |   |   |   |   |     |          |   |  |  |      |      |   |          |          |          |          |          |     |     |     |          |          |          |      |      |          |     |          |      |     |          |          |          |          |      |     |     |     |      |     |     |     |     |
|-----|-----|----------|----------|------|---|----|----|---|----|----|---|---|---|---|---|---|---|-----|----------|---|--|--|------|------|---|----------|----------|----------|----------|----------|-----|-----|-----|----------|----------|----------|------|------|----------|-----|----------|------|-----|----------|----------|----------|----------|------|-----|-----|-----|------|-----|-----|-----|-----|
| 99  | 99  | 0.034505 | 61.69536 | 1.30 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.30 | 1.83 | 0 | 11.40027 | 56.61144 | 26.14735 | 5.571853 | 7.376137 | 0.0 | 0.0 | 0.0 | 2.618079 | 88.0474  | 2.270339 | -2.0 | -2.0 | 5.05811  | 0.0 | 58.25    | -1.0 | 0.0 | 18.73013 | 3.529055 | 7.587166 | 41.52581 | -2.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 |
| 100 | 100 | 0.020573 | 61.66085 | 1.30 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.30 | 1.90 | 0 | 14.24292 | 55.76226 | 26.401   | 5.54303  | 6.085099 | 0.0 | 0.0 | 0.0 | 2.836612 | 86.21387 | 2.26227  | -1.0 | -1.0 | 5.035057 | 0.0 | 58.33333 | -1.0 | 0.0 | 17.95534 | 3.517529 | 7.552586 | 45.07542 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 101 | 101 | 0.020558 | 61.64028 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.31 | 2.01 | 0 | 16.27552 | 54.66474 | 27.16471 | 5.486487 | 6.696943 | 0.0 | 0.0 | 0.0 | 2.630742 | 84.20926 | 2.306284 | -1.0 | -1.0 | 5.160812 | 0.0 | 58.41667 | -1.0 | 0.0 | 18.45975 | 3.580406 | 7.741218 | 40.5524  | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102 | 102 | 0.022887 | 61.61972 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.31 | 2.34 | 0 | 12.00984 | 54.23081 | 20.78173 | 5.310839 | 7.174767 | 0.0 | 0.0 | 0.0 | 2.549656 | 82.10637 | 2.139966 | -1.0 | -1.0 | 4.685617 | 0.0 | 58.5     | -1.0 | 0.0 | 19.63097 | 3.342808 | 7.028425 | 44.051   | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 103 | 103 | 0.022337 | 61.59683 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.31 | 2.61 | 0 | 15.95827 | 54.90078 | 20.46114 | 5.426285 | 7.571155 | 0.0 | 0.0 | 0.0 | 2.069605 | 84.56942 | 2.200367 | -1.0 | -1.0 | 4.858193 | 0.0 | 58.58333 | -1.0 | 0.0 | 19.38523 | 3.429096 | 7.287289 | 39.40194 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 104 | 104 | 0.022377 | 61.5745  | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.32 | 2.76 | 0 | 11.76029 | 53.83512 | 30.35504 | 5.098868 | 8.053429 | 0.0 | 0.0 | 0.0 | 2.922965 | 84.26597 | 2.349925 | -1.0 | -1.0 | 5.2855   | 0.0 | 58.66667 | -1.0 | 0.0 | 17.72688 | 3.64275  | 7.92825  | 41.05902 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105 | 105 | 0.025374 | 61.55212 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.32 | 4.82 | 0 | 15.39547 | 52.14115 | 29.26967 | 5.07505  | 7.94343  | 0.0 | 0.0 | 0.0 | 2.93214  | 74.06484 | 2.350675 | -1.0 | -1.0 | 5.287643 | 0.0 | 58.75    | -1.0 | 0.0 | 18.73067 | 3.643822 | 7.931465 | 46.92035 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 106 | 106 | 0.022351 | 61.52675 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.32 | 2.72 | 0 | 15.07049 | 51.92993 | 28.51258 | 5.454111 | 7.228773 | 0.0 | 0.0 | 0.0 | 1.981895 | 73.95142 | 2.190379 | -1.0 | -1.0 | 4.829654 | 0.0 | 58.83333 | -1.0 | 0.0 | 19.39002 | 3.414827 | 7.244481 | 39.93596 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107 | 107 | 0.022077 | 61.50439 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.32 | 2.57 | 0 | 11.28864 | 52.77519 | 26.96811 | 4.878811 | 6.143747 | 0.0 | 0.0 | 0.0 | 2.117559 | 84.26299 | 2.058317 | -1.0 | -1.0 | 4.452333 | 0.0 | 58.91667 | -1.0 | 0.0 | 18.2837  | 3.226167 | 6.6785   | 40.21615 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 108 | 108 | 0.028332 | 61.48232 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 3.33 | 2.29 | 0 | 13.02799 | 47.61583 | 21.89235 | 4.335872 | 7.065722 | 0.0 | 0.0 | 0.0 | 2.329798 | 71.19514 | 1.996533 | -1.0 | -1.0 | 4.275809 | 0.0 | 59       | -1.0 | 0.0 | 20.06952 | 3.137905 | 6.413714 | 39.40316 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 109 | 109 | 0.024499 | 61.45399 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.33 | 2.05 | 0 | 12.10423 | 54.5584  | 23.61561 | 4.129636 | 7.178744 | 0.0 | 0.0 | 0.0 | 2.093402 | 71.30947 | 2.015685 | -1.0 | -1.0 | 4.330529 | 0.0 | 59.08333 | -1.0 | 0.0 | 19.93726 | 3.165264 | 6.495793 | 44.27177 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110 | 110 | 0.022236 | 61.42949 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.33 | 1.86 | 0 | 14.30693 | 49.16491 | 25.18389 | 4.597269 | 7.384583 | 0.0 | 0.0 | 0.0 | 2.339252 | 68.58007 | 2.098988 | -1.0 | -1.0 | 4.571138 | 0.0 | 59.16667 | -1.0 | 0.0 | 19.25453 | 3.285569 | 6.856707 | 37.35663 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 111 | 111 | 0.022276 | 61.40725 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.34 | 1.82 | 0 | 17.17623 | 43.6567  | 20.27915 | 5.116652 | 6.394109 | 0.0 | 0.0 | 0.0 | 2.792961 | 71.73171 | 2.092413 | -1.0 | -1.0 | 4.549752 | 0.0 | 59.25    | -1.0 | 0.0 | 18.56958 | 3.274876 | 6.824629 | 38.63412 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 112 | 112 | 0.022513 | 61.38497 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.34 | 1.90 | 0 | 13.80031 | 48.77519 | 24.2018  | 4.207812 | 6.696962 | 0.0 | 0.0 | 0.0 | 2.460481 | 71.20134 | 2.035326 | -1.0 | -1.0 | 4.386645 | 0.0 | 59.33333 | -1.0 | 0.0 | 19.12459 | 3.193323 | 6.579968 | 36.88581 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 113 | 113 | 0.022904 | 61.36246 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.34 | 2.09 | 0 | 15.15422 | 42.69387 | 22.72008 | 4.623098 | 6.085791 | 0.0 | 0.0 | 0.0 | 2.848653 | 79.76041 | 2.066759 | -1.0 | -1.0 | 4.476454 | 0.0 | 59.41667 | -1.0 | 0.0 | 20.1211  | 3.238227 | 6.714681 | 38.4799  | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 114 | 114 | 0.022946 | 61.33956 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.35 | 2.35 | 0 | 14.63426 | 44.93286 | 21.05885 | 5.480933 | 6.189998 | 0.0 | 0.0 | 0.0 | 2.955592 | 84.06026 | 2.135663 | -1.0 | -1.0 | 4.673322 | 0.0 | 59.5     | -1.0 | 0.0 | 18.81844 | 3.336661 | 7.009983 | 38.28486 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115 | 115 | 0.022666 | 61.31661 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.35 | 2.44 | 0 | 16.50994 | 54.46001 | 20.21925 | 4.831195 | 6.166314 | 0.0 | 0.0 | 0.0 | 2.519273 | 58.04829 | 2.03857  | -1.0 | -1.0 | 4.395914 | 0.0 | 59.58333 | -1.0 | 0.0 | 18.5052  | 3.197957 | 6.593871 | 40.62992 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 116 | 116 | 0.026922 | 61.29394 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.35 | 2.77 | 0 | 17.3849  | 53.63272 | 21.98166 | 4.869728 | 6.011376 | 0.0 | 0.0 | 0.0 | 2.829572 | 78.44258 | 2.181874 | -1.0 | -1.0 | 4.805354 | 0.0 | 59.66667 | -1.0 | 0.0 | 18.58183 | 3.402677 | 7.208031 | 43.92808 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117 | 117 | 0.027664 | 61.26702 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.35 | 2.80 | 0 | 15.37085 | 41.7929  | 21.57946 | 3.238847 | 6.181773 | 0.0 | 0.0 | 0.0 | 2.835321 | 59.24991 | 1.898941 | -1.0 | -1.0 | 3.996975 | 0.0 | 59.75    | -1.0 | 0.0 | 18.95298 | 2.998488 | 5.995463 | 42.20271 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 118 | 118 | 0.0274   | 61.23936 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.36 | 2.64 | 0 | 17.34323 | 43.06504 | 20.70639 | 3.24876  | 6.291379 | 0.0 | 0.0 | 0.0 | 2.785861 | 84.32211 | 2.034212 | -1.0 | -1.0 | 4.383464 | 0.0 | 59.83333 | -1.0 | 0.0 | 17.80672 | 3.191732 | 6.575196 | 38.95295 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 119 | 119 | 0.023234 | 61.21196 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.36 | 2.43 | 0 | 16.49124 | 50.50842 | 20.09055 | 3.295372 | 6.031862 | 0.0 | 0.0 | 0.0 | 2.857862 | 84.95188 | 2.060434 | -1.0 | -1.0 | 4.458382 | 0.0 | 59.91667 | -1.0 | 0.0 | 18.02949 | 3.229191 | 6.687573 | 36.28361 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120 | 120 | 0.023718 | 61.18872 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.36 | 2.01 | 0 | 17.01919 | 35.58914 | 20       | 3.750615 | 6        | 0.0 | 0.0 | 0.0 | 2.936031 | 76.54294 | 1.964024 | -1.0 | -1.0 | 4.182924 | 0.0 | 60       | -1.0 | 0.0 | 19.8661  | 3.091462 | 6.274387 | 47.53032 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 121 | 121 | 0.023076 | 61.16501 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.37 | 1.66 | 0 | 17.37995 | 39.43756 | 19.99263 | 2.835956 | 5.930401 | 0.0 | 0.0 | 0.0 | 2.971479 | 82.39057 | 1.970393 | -1.0 | -1.0 | 4.201123 | 0.0 | 60.08333 | -1.0 | 0.0 | 19.36072 | 3.100561 | 6.301684 | 39.70592 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122 | 122 | 0.022695 | 61.14193 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.37 | 1.83 | 0 | 17.51512 | 44.13899 | 19.13705 | 4.060308 | 5.916899 | 0.0 | 0.0 | 0.0 | 3.012384 | 66.35927 | 2.006613 | -1.0 | -1.0 | 4.304609 | 0.0 | 60.16667 | -1.0 | 0.0 | 18.53145 | 3.152304 | 6.456913 | 43.07793 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 123 | 123 | 0.022278 | 61.11924 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 |   |     |          |   |  |  |      |      |   |          |          |          |          |          |     |     |     |          |          |          |      |      |          |     |          |      |     |          |          |          |          |      |     |     |     |      |     |     |     |     |

|     |     |          |          |      |   |    |    |   |    |    |   |   |   |   |   |   |   |     |          |   |  |  |      |      |   |          |          |          |          |          |     |     |     |          |          |          |      |      |          |     |          |      |     |          |          |          |          |      |     |     |     |      |     |     |     |
|-----|-----|----------|----------|------|---|----|----|---|----|----|---|---|---|---|---|---|---|-----|----------|---|--|--|------|------|---|----------|----------|----------|----------|----------|-----|-----|-----|----------|----------|----------|------|------|----------|-----|----------|------|-----|----------|----------|----------|----------|------|-----|-----|-----|------|-----|-----|-----|
| 128 | 128 | 0.023512 | 61.00173 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.39 | 2.70 | 0 | 18.95958 | 31.22184 | 16.30859 | 5.191749 | 5.520823 | 0.0 | 0.0 | 0.0 | 3.199305 | 42.03713 | 1.875803 | -1.0 | -1.0 | 3.930865 | 0.0 | 60.66667 | -1.0 | 0.0 | 17.24293 | 2.965432 | 5.896297 | 41.5504  | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 129 | 129 | 0.024549 | 60.97822 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.39 | 2.71 | 0 | 19.33749 | 31.61293 | 17.66202 | 4.659849 | 5.943087 | 0.0 | 0.0 | 0.0 | 3.339347 | 43.81222 | 1.924246 | -1.0 | -1.0 | 4.069276 | 0.0 | 60.75    | -1.0 | 0.0 | 17.74034 | 3.034638 | 6.103913 | 36.55398 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 130 | 130 | 0.024067 | 60.95367 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.39 | 2.60 | 0 | 20.38787 | 37.95449 | 15.59823 | 4.038031 | 5.915413 | 0.0 | 0.0 | 0.0 | 3.341838 | 55.60866 | 1.974161 | -1.0 | -1.0 | 4.211887 | 0.0 | 60.83333 | -1.0 | 0.0 | 17.32532 | 3.105944 | 6.317831 | 33.27162 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 131 | 131 | 0.023924 | 60.9296  | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.40 | 2.45 | 0 | 20.691   | 36.51074 | 17.65843 | 3.944741 | 5.750527 | 0.0 | 0.0 | 0.0 | 3.004418 | 68.19767 | 1.986417 | -1.0 | -1.0 | 4.246905 | 0.0 | 60.91667 | -1.0 | 0.0 | 17.07143 | 3.123452 | 6.370357 | 48.63406 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 132 | 132 | 0.023875 | 60.90568 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.40 | 2.16 | 0 | 17.68868 | 30.5455  | 19.67127 | 5.481633 | 5.550416 | 0.0 | 0.0 | 0.0 | 3.665433 | 84.72485 | 2.127991 | -1.0 | -1.0 | 4.651402 | 0.0 | 61       | -1.0 | 0.0 | 18.65241 | 3.325701 | 6.977104 | 45.92459 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 133 | 133 | 0.023272 | 60.8818  | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.40 | 1.91 | 0 | 19.84308 | 29.39274 | 19.65054 | 5.283621 | 4.916415 | 0.0 | 0.0 | 0.0 | 3.160775 | 38.20215 | 1.869944 | -1.0 | -1.0 | 3.914127 | 0.0 | 61.08333 | -1.0 | 0.0 | 17.43602 | 2.957063 | 5.87119  | 45.36211 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 134 | 134 | 0.022929 | 60.85853 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.41 | 1.75 | 0 | 21.50764 | 43.94712 | 17.61242 | 4.334438 | 4.64509  | 0.0 | 0.0 | 0.0 | 3.161894 | 45.62092 | 1.940702 | -1.0 | -1.0 | 4.116293 | 0.0 | 61.16667 | -1.0 | 0.0 | 17.3653  | 3.058146 | 6.174439 | 43.28893 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 135 | 135 | 0.022615 | 60.8356  | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.41 | 1.67 | 0 | 18.91996 | 40.97461 | 15.08154 | 3.158485 | 4.148631 | 0.0 | 0.0 | 0.0 | 3.344176 | 78.87075 | 1.89039  | -1.0 | -1.0 | 3.972543 | 0.0 | 61.25    | -1.0 | 0.0 | 16.84647 | 2.986272 | 5.958815 | 33.72544 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 136 | 136 | 0.022571 | 60.81299 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.41 | 1.78 | 0 | 21.60279 | 37.28448 | 13.0161  | 3.549404 | 4.308747 | 0.0 | 0.0 | 0.0 | 3.188931 | 84.2063  | 1.924712 | -1.0 | -1.0 | 4.070605 | 0.0 | 61.33333 | -1.0 | 0.0 | 17.50106 | 3.035302 | 6.105907 | 37.20737 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 137 | 137 | 0.022702 | 60.79041 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.42 | 1.95 | 0 | 22.46779 | 45.56226 | 19.7444  | 3.02458  | 4.537173 | 0.0 | 0.0 | 0.0 | 3.668364 | 81.52353 | 2.119973 | -1.0 | -1.0 | 4.628494 | 0.0 | 61.41667 | -1.0 | 0.0 | 17.59067 | 3.314247 | 6.94274  | 44.46506 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 138 | 138 | 0.023105 | 60.76771 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.42 | 2.28 | 0 | 23.04132 | 35.53678 | 8.99112  | 4.957774 | 5.955673 | 0.0 | 0.0 | 0.0 | 4.056638 | 72.9982  | 2.138217 | -1.0 | -1.0 | 4.680621 | 0.0 | 61.5     | -1.0 | 0.0 | 16.6931  | 3.34031  | 7.020931 | 44.84731 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 139 | 139 | 0.023962 | 60.74461 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.42 | 2.48 | 0 | 20.80568 | 39.12757 | 14.59748 | 5.096372 | 4.875988 | 0.0 | 0.0 | 0.0 | 3.048331 | 70.23896 | 1.991801 | -1.0 | -1.0 | 4.262289 | 0.0 | 61.58333 | -1.0 | 0.0 | 17.15732 | 3.131145 | 6.393434 | 47.26476 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 140 | 140 | 0.024299 | 60.72065 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.42 | 2.61 | 0 | 23.25378 | 38.80769 | 10.86475 | 4.584172 | 5.646904 | 0.0 | 0.0 | 0.0 | 3.491674 | 48.11419 | 1.981869 | -1.0 | -1.0 | 4.23391  | 0.0 | 61.66667 | -1.0 | 0.0 | 17.75157 | 3.116955 | 6.350865 | 40.86915 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 141 | 141 | 0.028046 | 60.69635 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.43 | 2.68 | 0 | 24.92221 | 34.996   | 18.5969  | 2.778903 | 4.378191 | 0.0 | 0.0 | 0.0 | 3.676722 | 46.93968 | 1.923689 | -1.0 | -1.0 | 4.067683 | 0.0 | 61.75    | -1.0 | 0.0 | 15.698   | 3.033841 | 6.101524 | 36.18814 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 142 | 142 | 0.026882 | 60.6683  | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.43 | 2.57 | 0 | 23.93866 | 43.04724 | 6.886353 | 3.937027 | 4.139606 | 0.0 | 0.0 | 0.0 | 3.829932 | 71.80096 | 1.979345 | -1.0 | -1.0 | 4.226701 | 0.0 | 61.83333 | -1.0 | 0.0 | 16.07497 | 3.11335  | 6.340051 | 44.50216 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 143 | 143 | 0.027672 | 60.64142 | 2.80 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.43 | 2.62 | 0 | 22.46352 | 35.4522  | 14.4683  | 3.312098 | 5.732095 | 0.0 | 0.0 | 0.0 | 3.780962 | 73.02934 | 2.053782 | -1.0 | -1.0 | 4.439377 | 0.0 | 61.91667 | -1.0 | 0.0 | 17.28929 | 3.219689 | 6.659066 | 49.63376 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 144 | 144 | 0.02165  | 60.61375 | 3.70 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 4.44 | 4.68 | 0 | 23.31105 | 54.30314 | 10.34396 | 3.374715 | 3.748299 | 0.0 | 0.0 | 0.0 | 3.146046 | 64.98268 | 1.923006 | -1.0 | -1.0 | 4.065732 | 0.0 | 62       | -1.0 | 0.0 | 16.75856 | 3.032866 | 6.098598 | 48.24193 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 145 | 145 | 0.023408 | 60.5921  | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.44 | 1.86 | 0 | 25.89006 | 44.31676 | 5.768507 | 3.555856 | 5.808119 | 0.0 | 0.0 | 0.0 | 4.359129 | 59.68858 | 2.116138 | -1.0 | -1.0 | 4.617536 | 0.0 | 62.08333 | -1.0 | 0.0 | 16.55742 | 3.308768 | 6.926304 | 57.37055 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 146 | 146 | 0.02463  | 60.56869 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.44 | 1.74 | 0 | 21.15423 | 43.69912 | 10.10062 | 3.813296 | 4.714295 | 0.0 | 0.0 | 0.0 | 3.055011 | 64.08967 | 1.871011 | -1.0 | -1.0 | 3.917176 | 0.0 | 62.16667 | -1.0 | 0.0 | 16.65122 | 2.958588 | 5.875763 | 49.47518 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 147 | 147 | 0.038295 | 60.54406 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.45 | 1.25 | 0 | 18.87235 | 43.18166 | 12.00711 | 4.377657 | 5.756391 | 0.0 | 0.0 | 0.0 | 4.445492 | 68.60904 | 2.133185 | -2.0 | -2.0 | 4.666244 | 0.0 | 62.25    | -1.0 | 0.0 | 15.70829 | 3.333122 | 6.999366 | 44.82856 | -2.0 | 0.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 |
| 148 | 148 | 0.038627 | 60.50576 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.45 | 1.51 | 0 | 18.85549 | 44.3892  | 8.651983 | 4.603775 | 4.780043 | 0.0 | 0.0 | 0.0 | 3.527398 | 55.48303 | 1.885828 | -2.0 | -2.0 | 3.95951  | 0.0 | 62.33333 | -1.0 | 0.0 | 16.35515 | 2.979755 | 5.939265 | 52.80678 | -2.0 | 0.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 |
| 149 | 149 | 0.024151 | 60.46714 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.45 | 1.95 | 0 | 25.33056 | 53.33226 | 10.18168 | 4.282052 | 3.205903 | 0.0 | 0.0 | 0.0 | 3.974583 | 75.78202 | 2.116044 | -1.0 | -1.0 | 4.617269 | 0.0 | 62.41667 | -1.0 | 0.0 | 15.45533 | 3.308634 | 6.925903 | 40.13256 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 150 | 150 | 0.022021 | 60.44299 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.45 | 2.16 | 0 | 22.22658 | 53.37251 | 13.8159  | 4.00272  | 5.841164 | 0.0 | 0.0 | 0.0 | 4.22287  | 73.43448 | 2.270872 | -1.0 | -1.0 | 5.059634 | 0.0 | 62.5     | -1.0 | 0.0 | 15.73445 | 3.529817 | 7.589451 | 50.2013  | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 151 | 151 | 0.023169 | 60.42096 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.46 | 2.52 | 0 | 22.19348 | 54.02832 | 7.611131 | 5.392487 | 4.629032 | 0.0 | 0.0 | 0.0 | 4.294307 | 64.68527 | 2.174065 | -1.0 | -1.0 | 4.783042 | 0.0 | 62.58333 | -1.0 | 0.0 | 15.09795 | 3.391521 | 7.174563 | 45.17539 | -1.0 | 0.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 152 | 152 | 0.027846 | 60.3978  | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.46 | 2.68 | 0 | 21.58245 | 51.34203 | 9.249407 | 4.215618 | 5.899345 | 0.0 | 0.0 | 0.0 | 4.262854 | 67.87464 |          |      |      |          |     |          |      |     |          |          |          |          |      |     |     |     |      |     |     |     |

|     |     |          |          |      |   |    |    |   |    |    |   |   |   |   |   |   |   |     |          |   |  |  |      |      |   |          |          |          |          |          |     |     |     |          |          |          |      |      |          |     |          |      |     |          |          |          |          |      |     |     |      |     |     |     |
|-----|-----|----------|----------|------|---|----|----|---|----|----|---|---|---|---|---|---|---|-----|----------|---|--|--|------|------|---|----------|----------|----------|----------|----------|-----|-----|-----|----------|----------|----------|------|------|----------|-----|----------|------|-----|----------|----------|----------|----------|------|-----|-----|------|-----|-----|-----|
| 157 | 157 | 0.021959 | 60.27937 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.48 | 1.90 | 0 | 23.56092 | 53.05876 | 18.37563 | 5.208222 | 3.913271 | 0.0 | 0.0 | 0.0 | 4.108079 | 82.11647 | 2.317837 | -1.0 | -1.0 | 5.193819 | 0.0 | 63.08333 | -1.0 | 0.0 | 15.24624 | 3.596909 | 7.790728 | 51.27061 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 158 | 158 | 0.021224 | 60.25741 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.48 | 1.75 | 0 | 21.4934  | 53.43146 | 14.03771 | 5.111824 | 3.310037 | 0.0 | 0.0 | 0.0 | 3.141786 | 82.93943 | 2.064246 | -1.0 | -1.0 | 4.469273 | 0.0 | 63.16667 | -1.0 | 0.0 | 14.39545 | 3.234636 | 6.703909 | 57.65558 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 159 | 159 | 0.02425  | 60.23619 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.48 | 3.70 | 0 | 22.73218 | 52.87064 | 16.07739 | 5.254884 | 4.882022 | 0.0 | 0.0 | 0.0 | 3.986356 | 81.56791 | 2.317004 | -1.0 | -1.0 | 5.19144  | 0.0 | 63.25    | -1.0 | 0.0 | 15.74931 | 3.59572  | 7.787161 | 57.58374 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 160 | 160 | 0.020849 | 60.21194 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.48 | 1.47 | 0 | 24.03661 | 54.54744 | 7.384747 | 5.480828 | 5.768687 | 0.0 | 0.0 | 0.0 | 3.651706 | 84.01814 | 2.281974 | -1.0 | -1.0 | 5.091353 | 0.0 | 63.33333 | -1.0 | 0.0 | 14.3428  | 3.545676 | 7.637029 | 49.98698 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 161 | 161 | 0.024602 | 60.19109 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.49 | 1.55 | 0 | 20.31714 | 55.30772 | 18.1316  | 5.537636 | 3.933273 | 0.0 | 0.0 | 0.0 | 3.687297 | 85.59421 | 2.246304 | -1.0 | -1.0 | 4.98944  | 0.0 | 63.41667 | -1.0 | 0.0 | 14.83489 | 3.49472  | 7.484159 | 50.50036 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 162 | 162 | 0.025094 | 60.16649 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.49 | 2.19 | 0 | 22.60856 | 56.73377 | 19.0754  | 5.691497 | 4.554026 | 0.0 | 0.0 | 0.0 | 4.166667 | 88.26691 | 2.43169  | -1.0 | -1.0 | 5.519113 | 0.0 | 63.5     | -1.0 | 0.0 | 15.74612 | 3.759557 | 8.27867  | 58.6744  | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 163 | 163 | 0.021935 | 60.14139 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.49 | 2.41 | 0 | 21.16334 | 57.11286 | 14.26485 | 5.871489 | 5.096411 | 0.0 | 0.0 | 0.0 | 3.285634 | 87.91191 | 2.277737 | -1.0 | -1.0 | 5.079249 | 0.0 | 63.58333 | -1.0 | 0.0 | 14.53331 | 3.539624 | 7.618873 | 59.07747 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 164 | 164 | 0.022246 | 60.11946 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.50 | 2.60 | 0 | 20.44802 | 55.91671 | 14.47822 | 5.852786 | 3.898708 | 0.0 | 0.0 | 0.0 | 3.798986 | 89.87383 | 2.253373 | -1.0 | -1.0 | 5.009638 | 0.0 | 63.66667 | -1.0 | 0.0 | 15.76593 | 3.504819 | 7.514457 | 61.18114 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 165 | 165 | 0.023663 | 60.09721 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.50 | 2.61 | 0 | 18.33763 | 60.30632 | 17.4942  | 6.043363 | 5.947057 | 0.0 | 0.0 | 0.0 | 4.048542 | 89.01041 | 2.446703 | -1.0 | -1.0 | 5.562008 | 0.0 | 63.75    | -1.0 | 0.0 | 14.24344 | 3.781004 | 8.343012 | 58.60564 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 166 | 166 | 0.037841 | 60.07355 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.50 | 2.49 | 0 | 23.0885  | 60.79735 | 11.6706  | 6.222981 | 4.191652 | 0.0 | 0.0 | 0.0 | 3.339093 | 94.35242 | 2.304563 | -2.0 | -2.0 | 5.155896 | 0.0 | 63.83333 | -1.0 | 0.0 | 15.66893 | 3.577948 | 7.733844 | 57.51306 | -2.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 |
| 167 | 167 | 0.037618 | 60.03571 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.51 | 2.34 | 0 | 22.85146 | 55.31052 | 19.07939 | 6.325759 | 4.167269 | 0.0 | 0.0 | 0.0 | 4.039594 | 86.21519 | 2.413692 | -2.0 | -2.0 | 5.467693 | 0.0 | 63.91667 | -1.0 | 0.0 | 15.92046 | 3.733846 | 8.201539 | 57.56831 | -2.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 |
| 168 | 168 | 0.036741 | 59.99809 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.51 | 2.07 | 0 | 18.00514 | 61.18764 | 19.47533 | 6.417229 | 5.737761 | 0.0 | 0.0 | 0.0 | 3.626626 | 88.54445 | 2.42427  | -2.0 | -2.0 | 5.497914 | 0.0 | 64       | -1.0 | 0.0 | 15.16573 | 3.748957 | 8.246871 | 56.60703 | -2.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 |
| 169 | 169 | 0.036945 | 59.96135 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.51 | 1.79 | 0 | 17.73304 | 55.25399 | 14.64543 | 6.511331 | 4.371837 | 0.0 | 0.0 | 0.0 | 3.606784 | 105.2613 | 2.297744 | -2.0 | -2.0 | 5.136412 | 0.0 | 64.08333 | -1.0 | 0.0 | 14.19616 | 3.568206 | 7.704617 | 54.47566 | -2.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 |
| 170 | 170 | 0.03311  | 59.9244  | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.52 | 1.65 | 0 | 18.31745 | 64.09689 | 17.9824  | 5.745275 | 4.608931 | 0.0 | 0.0 | 0.0 | 3.603679 | 94.29232 | 2.343991 | -2.0 | -2.0 | 5.268546 | 0.0 | 64.16667 | -1.0 | 0.0 | 15.527   | 3.634273 | 7.902819 | 59.11201 | -2.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 |
| 171 | 171 | 0.021287 | 59.89129 | 1.30 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.52 | 1.53 | 0 | 17.56648 | 56.32054 | 15.54439 | 5.780794 | 5.845006 | 0.0 | 0.0 | 0.0 | 3.343047 | 105.6506 | 2.333286 | -1.0 | -1.0 | 5.23796  | 0.0 | 64.25    | -1.0 | 0.0 | 15.408   | 3.61898  | 7.85694  | 55.41247 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 172 | 172 | 0.020524 | 59.87001 | 1.30 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.52 | 1.63 | 0 | 17.64736 | 68.49718 | 15.03436 | 6.81438  | 4.942751 | 0.0 | 0.0 | 0.0 | 3.354415 | 108.6311 | 2.429419 | -1.0 | -1.0 | 5.512626 | 0.0 | 64.33333 | -1.0 | 0.0 | 15.82828 | 3.756313 | 8.268939 | 52.08959 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 173 | 173 | 0.020023 | 59.84948 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.52 | 1.82 | 0 | 19.07696 | 59.76608 | 15.61597 | 7.12634  | 5.357564 | 0.0 | 0.0 | 0.0 | 3.027278 | 94.156   | 2.349607 | -1.0 | -1.0 | 5.284592 | 0.0 | 64.41667 | -1.0 | 0.0 | 13.69289 | 3.642296 | 7.926889 | 60.0962  | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 174 | 174 | 0.021086 | 59.82946 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.53 | 2.05 | 0 | 18.32525 | 66.11412 | 17.94559 | 5.683746 | 5.769469 | 0.0 | 0.0 | 0.0 | 3.353727 | 113.6095 | 2.470264 | -1.0 | -1.0 | 5.629326 | 0.0 | 64.5     | -1.0 | 0.0 | 15.66704 | 3.814663 | 8.443989 | 59.18753 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 175 | 175 | 0.021291 | 59.80837 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.53 | 2.28 | 0 | 18.19776 | 68.34726 | 17.92687 | 5.606973 | 5.822561 | 0.0 | 0.0 | 0.0 | 3.419993 | 114.4697 | 2.494076 | -1.0 | -1.0 | 5.697359 | 0.0 | 64.58333 | -1.0 | 0.0 | 15.09325 | 3.84868  | 8.546039 | 54.79589 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 176 | 176 | 0.021502 | 59.78708 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.53 | 2.50 | 0 | 19.377   | 61.49497 | 18.23368 | 7.346357 | 5.646895 | 0.0 | 0.0 | 0.0 | 3.034167 | 109.9137 | 2.492453 | -1.0 | -1.0 | 5.692723 | 0.0 | 64.66667 | -1.0 | 0.0 | 14.9704  | 3.846361 | 8.539084 | 65.9001  | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 177 | 177 | 0.021564 | 59.76558 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.54 | 2.54 | 0 | 18.38558 | 61.70014 | 18.94186 | 5.730899 | 5.648458 | 0.0 | 0.0 | 0.0 | 3.155307 | 88.37523 | 2.325594 | -1.0 | -1.0 | 5.215984 | 0.0 | 64.75    | -1.0 | 0.0 | 14.81448 | 3.607992 | 7.823976 | 62.93405 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 178 | 178 | 0.021497 | 59.74402 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.54 | 2.41 | 0 | 18.83436 | 58.31498 | 19.91428 | 6.105809 | 5.773227 | 0.0 | 0.0 | 0.0 | 3.179804 | 91.22728 | 2.365204 | -1.0 | -1.0 | 5.329153 | 0.0 | 64.83333 | -1.0 | 0.0 | 14.28064 | 3.664576 | 7.993729 | 62.86129 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 179 | 179 | 0.021418 | 59.72252 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.54 | 2.25 | 0 | 17.68735 | 59.75335 | 19.6707  | 6.022149 | 5.862606 | 0.0 | 0.0 | 0.0 | 3.145421 | 96.27543 | 2.365549 | -1.0 | -1.0 | 5.33014  | 0.0 | 64.91667 | -1.0 | 0.0 | 15.22957 | 3.66507  | 7.99521  | 66.03372 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 180 | 180 | 0.020077 | 59.7011  | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.55 | 1.95 | 0 | 17.95981 | 76.62444 | 20       | 6.400072 | 6        | 0.0 | 0.0 | 0.0 | 3.087303 | 110.8298 | 2.573919 | -1.0 | -1.0 | 5.925482 | 0.0 | 65       | -1.0 | 0.0 | 14.67312 | 3.962741 | 8.888224 | 64.74317 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 181 | 181 | 0.020913 | 59.68103 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.55 | 1.79 | 0 | 17.80889 | 68.36798 | 20.59998 | 5.512127 | 6.11727  | 0.0 | 0.0 | 0.0 | 3.014593 | 101.2567 | 2.431516 | -1.0 | -1.0 | 5.518618 | 0.0 | 65.08333 | -1.0 | 0.0 | 16.66161 | 3.759309 | 8.277927 | 62.78091 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 182 | 182 |          |          |      |   |    |    |   |    |    |   |   |   |   |   |   |   |     |          |   |  |  |      |      |   |          |          |          |          |          |     |     |     |          |          |          |      |      |          |     |          |      |     |          |          |          |          |      |     |     |      |     |     |     |

|     |     |          |          |      |   |    |    |   |    |    |   |   |   |   |   |   |   |     |          |   |  |  |      |      |   |          |          |          |          |          |     |     |     |          |          |          |      |      |          |     |          |      |     |          |          |          |          |      |     |     |      |     |     |     |     |
|-----|-----|----------|----------|------|---|----|----|---|----|----|---|---|---|---|---|---|---|-----|----------|---|--|--|------|------|---|----------|----------|----------|----------|----------|-----|-----|-----|----------|----------|----------|------|------|----------|-----|----------|------|-----|----------|----------|----------|----------|------|-----|-----|------|-----|-----|-----|-----|
| 186 | 186 | 0.019954 | 59.58255 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.56 | 2.15 | 0 | 15.76979 | 80.02625 | 21.69619 | 6.447818 | 6.264274 | 0.0 | 0.0 | 0.0 | 2.852344 | 94.02755 | 2.500795 | -1.0 | -1.0 | 5.716557 | 0.0 | 65.5     | -1.0 | 0.0 | 14.51737 | 3.858279 | 8.574836 | 68.47878 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 187 | 187 | 0.020299 | 59.5626  | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.57 | 2.36 | 0 | 16.90755 | 78.26094 | 24.43809 | 8.75835  | 6.701364 | 0.0 | 0.0 | 0.0 | 2.978113 | 90.30702 | 2.702307 | -1.0 | -1.0 | 6.292306 | 0.0 | 65.58333 | -1.0 | 0.0 | 16.01524 | 4.146153 | 9.43846  | 61.65974 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 188 | 188 | 0.021739 | 59.5423  | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.57 | 2.58 | 0 | 16.69654 | 74.5896  | 20.52087 | 5.856564 | 6.99431  | 0.0 | 0.0 | 0.0 | 2.543469 | 90.89785 | 2.427939 | -1.0 | -1.0 | 5.508396 | 0.0 | 65.66667 | -1.0 | 0.0 | 16.30755 | 3.754198 | 8.262594 | 59.55282 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 189 | 189 | 0.025172 | 59.52056 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.57 | 2.60 | 0 | 17.02727 | 58.49044 | 24.72627 | 8.058612 | 6.826463 | 0.0 | 0.0 | 0.0 | 2.985971 | 110.853  | 2.616036 | -1.0 | -1.0 | 6.045816 | 0.0 | 65.75    | -1.0 | 0.0 | 16.55538 | 4.022908 | 9.068724 | 54.88024 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 190 | 190 | 0.024629 | 59.49539 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.58 | 2.41 | 0 | 13.95062 | 76.66717 | 20.60912 | 6.278148 | 6.169534 | 0.0 | 0.0 | 0.0 | 2.53751  | 118.612  | 2.466684 | -1.0 | -1.0 | 5.619097 | 0.0 | 65.83333 | -1.0 | 0.0 | 15.95738 | 3.809549 | 8.428646 | 66.25117 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 191 | 191 | 0.023775 | 59.47076 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.58 | 2.34 | 0 | 15.85277 | 67.58783 | 26.87755 | 7.789787 | 6.368437 | 0.0 | 0.0 | 0.0 | 2.454141 | 107.0621 | 2.559798 | -1.0 | -1.0 | 5.885136 | 0.0 | 65.91667 | -1.0 | 0.0 | 15.03918 | 3.942568 | 8.827704 | 53.43848 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 192 | 192 | 0.020128 | 59.44699 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.58 | 2.04 | 0 | 16.03243 | 69.91495 | 20.12592 | 8.223335 | 6.166065 | 0.0 | 0.0 | 0.0 | 2.44967  | 109.2315 | 2.51484  | -1.0 | -1.0 | 5.756686 | 0.0 | 66       | -1.0 | 0.0 | 16.60267 | 3.878343 | 8.635029 | 61.464   | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 193 | 193 | 0.018963 | 59.42686 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.58 | 1.51 | 0 | 14.4827  | 79.42023 | 24.67872 | 6.306465 | 7.61922  | 0.0 | 0.0 | 0.0 | 2.573335 | 114.8563 | 2.630072 | -1.0 | -1.0 | 6.08592  | 0.0 | 66.08333 | -1.0 | 0.0 | 15.29464 | 4.04296  | 9.128879 | 58.75411 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 194 | 194 | 0.0199   | 59.40789 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.59 | 1.33 | 0 | 16.14661 | 57.42319 | 23.74345 | 7.440954 | 7.114136 | 0.0 | 0.0 | 0.0 | 2.597264 | 91.80251 | 2.44032  | -1.0 | -1.0 | 5.543771 | 0.0 | 66.16667 | -1.0 | 0.0 | 16.31152 | 3.771885 | 8.315656 | 54.90092 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 195 | 195 | 0.019617 | 59.38799 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.59 | 1.54 | 0 | 15.56484 | 63.18794 | 22.89459 | 8.395202 | 6.454014 | 0.0 | 0.0 | 0.0 | 2.055607 | 128.3402 | 2.543829 | -1.0 | -1.0 | 5.839511 | 0.0 | 66.25    | -1.0 | 0.0 | 16.39153 | 3.919756 | 8.759267 | 49.98493 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 196 | 196 | 0.019278 | 59.36838 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.59 | 1.67 | 0 | 13.11635 | 71.45257 | 23.1256  | 7.394732 | 6.093848 | 0.0 | 0.0 | 0.0 | 2.099626 | 91.97733 | 2.344333 | -1.0 | -1.0 | 5.269522 | 0.0 | 66.33333 | -1.0 | 0.0 | 15.80206 | 3.634761 | 7.904284 | 51.53701 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 197 | 197 | 0.020908 | 59.3491  | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.60 | 1.85 | 0 | 13.64188 | 56.4857  | 27.98129 | 5.510816 | 8.105655 | 0.0 | 0.0 | 0.0 | 2.118005 | 85.33997 | 2.306478 | -1.0 | -1.0 | 5.161367 | 0.0 | 66.41667 | -1.0 | 0.0 | 15.71859 | 3.580683 | 7.74205  | 54.15086 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 198 | 198 | 0.019969 | 59.32819 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.60 | 2.05 | 0 | 16.59694 | 79.06551 | 27.62348 | 7.498574 | 6.163342 | 0.0 | 0.0 | 0.0 | 2.646395 | 94.65167 | 2.613291 | -1.0 | -1.0 | 6.037977 | 0.0 | 66.5     | -1.0 | 0.0 | 15.75276 | 4.018987 | 9.05696  | 43.95367 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 199 | 199 | 0.020291 | 59.30822 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.60 | 2.25 | 0 | 14.88525 | 64.43614 | 32.44061 | 6.193693 | 8.016255 | 0.0 | 0.0 | 0.0 | 2.153519 | 96.64145 | 2.524133 | -1.0 | -1.0 | 5.783236 | 0.0 | 66.58333 | -1.0 | 0.0 | 17.09436 | 3.891618 | 8.674854 | 46.32254 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 200 | 200 | 0.021578 | 59.28793 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.61 | 2.41 | 0 | 9.958009 | 55.60294 | 22.62526 | 6.474532 | 7.31405  | 0.0 | 0.0 | 0.0 | 2.955955 | 87.73425 | 2.277562 | -1.0 | -1.0 | 5.078749 | 0.0 | 66.66667 | -1.0 | 0.0 | 16.22225 | 3.539375 | 7.618124 | 55.74812 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 201 | 201 | 0.02183  | 59.26635 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.61 | 2.48 | 0 | 13.92006 | 70.90517 | 29.33881 | 6.113975 | 8.385266 | 0.0 | 0.0 | 0.0 | 2.974984 | 121.0558 | 2.727483 | -1.0 | -1.0 | 6.364237 | 0.0 | 66.75    | -1.0 | 0.0 | 17.32606 | 4.182118 | 9.546355 | 52.99148 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 202 | 202 | 0.02108  | 59.2445  | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.61 | 2.41 | 0 | 11.15154 | 65.41457 | 31.806   | 8.118154 | 8.276739 | 0.0 | 0.0 | 0.0 | 1.856109 | 117.0787 | 2.613138 | -1.0 | -1.0 | 6.037537 | 0.0 | 66.83333 | -1.0 | 0.0 | 15.82714 | 4.018769 | 9.056306 | 51.04036 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 203 | 203 | 0.022535 | 59.22342 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.62 | 2.21 | 0 | 14.46475 | 55.75918 | 32.59673 | 5.911835 | 6.856912 | 0.0 | 0.0 | 0.0 | 2.653276 | 91.19048 | 2.409083 | -1.0 | -1.0 | 5.454522 | 0.0 | 66.91667 | -1.0 | 0.0 | 18.09455 | 3.727261 | 8.181783 | 50.94108 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 204 | 204 | 0.022599 | 59.20089 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.62 | 1.90 | 0 | 11.84721 | 56.93524 | 22.23419 | 7.569302 | 7.851323 | 0.0 | 0.0 | 0.0 | 2.232301 | 112.5914 | 2.419522 | -1.0 | -1.0 | 5.484349 | 0.0 | 67       | -1.0 | 0.0 | 16.39254 | 3.742174 | 8.226523 | 53.8751  | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 205 | 205 | 0.02039  | 59.17829 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.62 | 1.68 | 0 | 11.89631 | 62.12009 | 22.79001 | 7.525946 | 8.693388 | 0.0 | 0.0 | 0.0 | 2.024622 | 103.8749 | 2.455222 | -1.0 | -1.0 | 5.586349 | 0.0 | 67.08333 | -1.0 | 0.0 | 17.51928 | 3.793174 | 8.379523 | 46.22576 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 206 | 206 | 0.022209 | 59.1579  | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.62 | 1.36 | 0 | 10.52587 | 70.36196 | 28.99052 | 7.623446 | 7.316884 | 0.0 | 0.0 | 0.0 | 1.579169 | 113.811  | 2.466108 | -1.0 | -1.0 | 5.617453 | 0.0 | 67.16667 | -1.0 | 0.0 | 16.65379 | 3.808726 | 8.426179 | 59.28723 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 207 | 207 | 0.03573  | 59.13569 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.63 | 1.17 | 0 | 15.15806 | 62.09128 | 22.80146 | 6.782111 | 6.600326 | 0.0 | 0.0 | 0.0 | 2.309297 | 98.35078 | 2.362591 | -1.0 | -1.0 | 5.32169  | 0.0 | 67.25    | -1.0 | 0.0 | 17.96706 | 3.660845 | 7.982535 | 44.07914 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 208 | 208 | 0.035897 | 59.09996 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.63 | 1.52 | 0 | 10.04549 | 63.72855 | 27.71547 | 7.075361 | 8.587542 | 0.0 | 0.0 | 0.0 | 2.966838 | 114.2174 | 2.617171 | -2.0 | -2.0 | 6.049059 | 0.0 | 67.33333 | -1.0 | 0.0 | 18.01536 | 4.02453  | 9.073589 | 60.12703 | -2.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 209 | 209 | 0.022355 | 59.06406 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.63 | 1.74 | 0 | 15.95523 | 57.74476 | 34.91235 | 5.909213 | 8.455404 | 0.0 | 0.0 | 0.0 | 2.208243 | 90.15519 | 2.522169 | -2.0 | -2.0 | 5.777626 | 0.0 | 67.41667 | -1.0 | 0.0 | 17.08233 | 3.888813 | 8.666439 | 51.1982  | -2.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 210 | 210 | 0.022664 | 59.04171 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.64 | 2.03 | 0 | 11.22382 | 55.1118  | 31.14247 | 5.557182 | 7.196387 | 0.0 | 0.0 | 0.0 | 2.395157 | 89.29865 |          |      |      |          |     |          |      |     |          |          |          |          |      |     |     |      |     |     |     |     |

|     |     |          |          |      |   |    |    |   |    |    |     |   |   |   |   |   |   |     |          |   |  |      |      |   |          |          |          |          |          |     |     |     |          |          |          |      |      |          |     |          |      |     |          |          |          |          |      |     |     |      |     |     |     |
|-----|-----|----------|----------|------|---|----|----|---|----|----|-----|---|---|---|---|---|---|-----|----------|---|--|------|------|---|----------|----------|----------|----------|----------|-----|-----|-----|----------|----------|----------|------|------|----------|-----|----------|------|-----|----------|----------|----------|----------|------|-----|-----|------|-----|-----|-----|
| 215 | 215 | 0.022192 | 58.92944 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.65 | 2.21 | 0 | 11.39928 | 60.03593 | 28.78322 | 6.378998 | 8.038864 | 0.0 | 0.0 | 0.0 | 2.020498 | 94.62553 | 2.364592 | -1.0 | -1.0 | 5.327407 | 0.0 | 67.91667 | -1.0 | 0.0 | 18.14893 | 3.663703 | 7.99111  | 46.93458 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 216 | 216 | 0.02106  | 58.90725 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.65 | 1.93 | 0 | 14.96264 | 56.34295 | 27.50528 | 5.538234 | 7.564667 | 0.0 | 0.0 | 0.0 | 2.080677 | 87.53532 | 2.297413 | -1.0 | -1.0 | 5.135466 | 0.0 | 68       | -1.0 | 0.0 | 19.37558 | 3.567733 | 7.703199 | 50.75967 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 217 | 217 | 0.020712 | 58.88619 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.66 | 1.66 | 0 | 11.00503 | 57.84859 | 27.85648 | 5.606686 | 7.900557 | 0.0 | 0.0 | 0.0 | 1.887972 | 92.02    | 2.251362 | -1.0 | -1.0 | 5.003891 | 0.0 | 68.08333 | -1.0 | 0.0 | 18.45931 | 3.501946 | 7.505837 | 50.55454 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 218 | 218 | 0.02202  | 58.86548 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.66 | 1.45 | 0 | 14.42769 | 55.77979 | 27.51517 | 5.759797 | 8.090315 | 0.0 | 0.0 | 0.0 | 2.2398   | 86.87912 | 2.345343 | -1.0 | -1.0 | 5.27241  | 0.0 | 68.16667 | -1.0 | 0.0 | 17.52019 | 3.636205 | 7.908615 | 48.36618 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 219 | 219 | 0.021625 | 58.84346 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.66 | 1.40 | 0 | 15.93009 | 55.24378 | 25.35547 | 5.531587 | 8.356025 | 0.0 | 0.0 | 0.0 | 2.157601 | 85.56296 | 2.333158 | -1.0 | -1.0 | 5.237595 | 0.0 | 68.25    | -1.0 | 0.0 | 18.17581 | 3.618798 | 7.856393 | 47.36346 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 220 | 220 | 0.022382 | 58.82183 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.67 | 1.55 | 0 | 15.99981 | 55.63501 | 25.48215 | 5.513826 | 6.936083 | 0.0 | 0.0 | 0.0 | 2.860105 | 85.33516 | 2.336134 | -1.0 | -1.0 | 5.246099 | 0.0 | 68.33333 | -1.0 | 0.0 | 18.88253 | 3.623049 | 7.869148 | 46.01784 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 221 | 221 | 0.022698 | 58.79945 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.67 | 1.73 | 0 | 9.620981 | 54.80219 | 22.83208 | 5.453492 | 6.600147 | 0.0 | 0.0 | 0.0 | 2.585416 | 84.37473 | 2.107105 | -1.0 | -1.0 | 4.591729 | 0.0 | 68.41667 | -1.0 | 0.0 | 18.21798 | 3.295865 | 6.887594 | 49.11664 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 222 | 222 | 0.023309 | 58.77675 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.67 | 2.00 | 0 | 9.839169 | 53.98896 | 27.23208 | 5.290399 | 6.808777 | 0.0 | 0.0 | 0.0 | 2.762496 | 81.96523 | 2.177506 | -1.0 | -1.0 | 4.792875 | 0.0 | 68.5     | -1.0 | 0.0 | 18.99547 | 3.396437 | 7.189312 | 47.22534 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 223 | 223 | 0.024061 | 58.75366 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.68 | 2.22 | 0 | 13.25204 | 53.31869 | 26.51997 | 5.078103 | 6.644083 | 0.0 | 0.0 | 0.0 | 2.603815 | 83.98928 | 2.197937 | -1.0 | -1.0 | 4.851249 | 0.0 | 68.58333 | -1.0 | 0.0 | 18.39623 | 3.425624 | 7.276873 | 46.72834 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 224 | 224 | 0.02553  | 58.7296  | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.68 | 2.43 | 0 | 10.68062 | 53.5886  | 24.14316 | 5.119607 | 6.969776 | 0.0 | 0.0 | 0.0 | 2.325257 | 84.32628 | 2.107864 | -1.0 | -1.0 | 4.593898 | 0.0 | 68.66667 | -1.0 | 0.0 | 19.2531  | 3.296949 | 6.890847 | 45.01215 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 225 | 225 | 0.025166 | 58.70407 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 2.68 | 2.47 | 0 | 12.14779 | 52.33112 | 22.3715  | 5.44113  | 8.016527 | 0.0 | 0.0 | 0.0 | 2.814542 | 74.19954 | 2.211576 | -1.0 | -1.0 | 4.890218 | 0.0 | 68.75    | -1.0 | 0.0 | 19.12732 | 3.445109 | 7.335326 | 39.71382 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 226 | 226 | 0.04029  | 58.67891 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 2.68 | 2.30 | 0 | 12.10352 | 50.39201 | 24.6905  | 5.456566 | 7.675372 | 0.0 | 0.0 | 0.0 | 2.699822 | 80.76999 | 2.216294 | -1.0 | -1.0 | 4.903696 | 0.0 | 68.83333 | -1.0 | 0.0 | 18.69191 | 3.451848 | 7.355544 | 41.98465 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 227 | 227 | 0.040851 | 58.63862 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 2.69 | 2.14 | 0 | 14.4349  | 51.46864 | 25.56613 | 4.926272 | 7.549342 | 0.0 | 0.0 | 0.0 | 2.976266 | 71.24291 | 2.242132 | -2.0 | -2.0 | 4.97752  | 0.0 | 68.91667 | -1.0 | 0.0 | 19.64959 | 3.48876  | 7.46628  | 40.70206 | -2.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 |
| 228 | 228 | 0.036431 | 58.59777 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 2.69 | 1.89 | 0 | 13.83752 | 45.2377  | 21.50446 | 5.257486 | 7.254895 | 0.0 | 0.0 | 0.0 | 2.536177 | 76.24369 | 2.099127 | -2.0 | -2.0 | 4.568935 | 0.0 | 69       | -1.0 | 0.0 | 18.92288 | 3.284468 | 6.853403 | 40.99689 | -2.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 |
| 229 | 229 | 0.036614 | 58.56133 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.69 | 1.68 | 0 | 16.77958 | 45.38317 | 25.33504 | 5.442328 | 6.100726 | 0.0 | 0.0 | 0.0 | 2.522083 | 72.60731 | 2.129276 | -2.0 | -2.0 | 4.655073 | 0.0 | 69.08333 | -1.0 | 0.0 | 19.43085 | 3.327537 | 6.98261  | 39.4369  | -2.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 |
| 230 | 230 | 0.037155 | 58.52472 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.70 | 1.50 | 0 | 15.99903 | 42.99496 | 21.26163 | 5.378742 | 6.422764 | 0.0 | 0.0 | 0.0 | 2.87527  | 74.03489 | 2.111922 | -2.0 | -2.0 | 4.605492 | 0.0 | 69.16667 | -1.0 | 0.0 | 19.52912 | 3.302746 | 6.908238 | 40.69573 | -2.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 |
| 231 | 231 | 0.022941 | 58.48757 | 1.30 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.70 | 1.40 | 0 | 14.63424 | 49.39178 | 22.04289 | 4.620702 | 6.936306 | 0.0 | 0.0 | 0.0 | 2.465288 | 80.8585  | 2.105064 | -2.0 | -2.0 | 4.585896 | 0.0 | 69.25    | -1.0 | 0.0 | 19.37682 | 3.292948 | 6.878844 | 39.57886 | -2.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 |
| 232 | 232 | 0.023069 | 58.46462 | 1.30 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.70 | 1.49 | 0 | 15.16826 | 49.60063 | 22.66583 | 4.669735 | 6.325938 | 0.0 | 0.0 | 0.0 | 2.783661 | 63.26278 | 2.061719 | -1.0 | -1.0 | 4.462055 | 0.0 | 69.33333 | -1.0 | 0.0 | 19.53951 | 3.231028 | 6.693083 | 41.80551 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 233 | 233 | 0.023692 | 58.44156 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.71 | 1.62 | 0 | 17.23323 | 43.29116 | 23.52179 | 4.774559 | 6.012082 | 0.0 | 0.0 | 0.0 | 2.554441 | 58.85548 | 2.009254 | -1.0 | -1.0 | 4.312155 | 0.0 | 69.41667 | -1.0 | 0.0 | 20.10451 | 3.156078 | 6.468233 | 43.0819  | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 234 | 234 | 0.024275 | 58.41786 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.71 | 1.72 | 0 | 14.99309 | 42.46393 | 21.84317 | 4.764628 | 6.389157 | 0.0 | 0.0 | 0.0 | 2.585994 | 57.09003 | 1.957729 | -1.0 | -1.0 | 4.164941 | 0.0 | 69.5     | -1.0 | 0.0 | 19.49815 | 3.082471 | 6.247412 | 40.42049 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 235 | 235 | 0.024283 | 58.39359 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.71 | 2.12 | 0 | 17.3975  | 48.46831 | 20.61839 | 4.488653 | 6.141818 | 0.0 | 0.0 | 0.0 | 2.760082 | 72.24789 | 2.082666 | -1.0 | -1.0 | 4.521904 | 0.0 | 69.58333 | -1.0 | 0.0 | 19.41866 | 3.260952 | 6.782856 | 40.01901 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 236 | 236 | 0.027159 | 58.36931 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.72 | 2.31 | 0 | 17.40018 | 47.41434 | 22.01748 | 5.206978 | 6.454643 | 0.0 | 0.0 | 0.0 | 2.71735  | 70.49655 | 2.140061 | -1.0 | -1.0 | 4.685889 | 0.0 | 69.66667 | -1.0 | 0.0 | 19.58023 | 3.342945 | 7.028834 | 37.64553 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 237 | 237 | 0.024788 | 58.34215 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.72 | 4.35 | 0 | 17.15347 | 46.48463 | 21.03666 | 4.342191 | 6.322858 | 0.0 | 0.0 | 0.0 | 2.912296 | 58.69868 | 2.038937 | -1.0 | -1.0 | 4.396964 | 0.0 | 69.75    | -1.0 | 0.0 | 18.19266 | 3.198482 | 6.595446 | 35.82021 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 238 | 238 | 0.024129 | 58.31736 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.72 | 2.22 | 0 | 16.27099 | 49.74787 | 20.73495 | 3.566191 | 6.046306 | 0.0 | 0.0 | 0.0 | 2.856153 | 65.16325 | 1.998321 | -1.0 | -1.0 | 4.280917 | 0.0 | 69.83333 | -1.0 | 0.0 | 19.588   | 3.140458 | 6.421375 | 41.10874 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 239 | 239 | 0.029912 | 58.29323 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0   | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  | 1.72 | 2.06 | 0 | 17.41698 | 43.52492 | 20.00779 | 3.904162 | 6.02792  | 0.0 | 0.0 | 0.0 | 2.806759 | 49.32008 | 1.918174 | -1.0 | -1.0 | 4.051925 | 0.0 | 69.91667 | -1.0 | 0.0 | 18.59059 | 3.025963 | 6.077888 | 41.80619 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 |
| 240 | 240 | 0.026134 | 58.26332 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0</ |   |   |   |   |   |   |     |          |   |  |      |      |   |          |          |          |          |          |     |     |     |          |          |          |      |      |          |     |          |      |     |          |          |          |          |      |     |     |      |     |     |     |

|     |     |          |          |      |   |    |    |   |    |    |   |   |   |   |   |   |   |     |          |   |  |  |      |      |   |          |          |          |          |          |     |     |     |          |            |          |      |      |          |     |          |      |     |          |          |          |          |      |     |     |      |     |     |     |     |
|-----|-----|----------|----------|------|---|----|----|---|----|----|---|---|---|---|---|---|---|-----|----------|---|--|--|------|------|---|----------|----------|----------|----------|----------|-----|-----|-----|----------|------------|----------|------|------|----------|-----|----------|------|-----|----------|----------|----------|----------|------|-----|-----|------|-----|-----|-----|-----|
| 244 | 244 | 0.024106 | 58.16748 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.74 | 1.53 | 0 | 18.36244 | 31.64198 | 19.45063 | 4.018002 | 5.703463 | 0.0 | 0.0 | 0.0 | 3.003953 | 81.14031   | 1.978321 | -1.0 | -1.0 | 4.223774 | 0.0 | 70.33333 | -1.0 | 0.0 | 18.48691 | 3.111887 | 6.335661 | 42.96436 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 245 | 245 | 0.023785 | 58.14338 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.74 | 1.65 | 0 | 18.55316 | 34.79138 | 17.06351 | 4.310466 | 5.374429 | 0.0 | 0.0 | 0.0 | 3.006174 | 61.42921   | 1.894941 | -1.0 | -1.0 | 3.985546 | 0.0 | 70.41667 | -1.0 | 0.0 | 17.81377 | 2.992773 | 5.978319 | 30.5818  | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 246 | 246 | 0.024377 | 58.11959 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.75 | 1.94 | 0 | 18.44562 | 49.40219 | 19.69518 | 3.693052 | 5.556051 | 0.0 | 0.0 | 0.0 | 3.194671 | 44.22939   | 1.964509 | -1.0 | -1.0 | 4.18431  | 0.0 | 70.5     | -1.0 | 0.0 | 17.99702 | 3.092155 | 6.276465 | 31.28258 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 247 | 247 | 0.028792 | 58.09521 | 1.90 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.75 | 2.13 | 0 | 19.58694 | 37.77797 | 16.47963 | 4.638004 | 5.73693  | 0.0 | 0.0 | 0.0 | 3.390655 | 38.37195   | 1.929482 | -1.0 | -1.0 | 4.084235 | 0.0 | 70.58333 | -1.0 | 0.0 | 18.14206 | 3.042118 | 6.126353 | 39.19264 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 248 | 248 | 0.028763 | 58.06642 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.75 | 2.37 | 0 | 20.17017 | 39.48285 | 13.95864 | 5.280796 | 4.995056 | 0.0 | 0.0 | 0.0 | 3.290033 | 53.9852    | 1.959029 | -1.0 | -1.0 | 4.168655 | 0.0 | 70.66667 | -1.0 | 0.0 | 19.26573 | 3.084327 | 6.252982 | 37.23857 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 249 | 249 | 0.029118 | 58.03766 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.75 | 2.39 | 0 | 20.62196 | 35.47659 | 19.26434 | 5.087322 | 5.748382 | 0.0 | 0.0 | 0.0 | 3.412456 | 65.47947   | 2.101616 | -1.0 | -1.0 | 4.576043 | 0.0 | 70.75    | -1.0 | 0.0 | 18.44682 | 3.288023 | 6.864068 | 35.65826 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 250 | 250 | 0.024894 | 58.00854 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.76 | 2.29 | 0 | 19.04864 | 34.68874 | 15.04546 | 2.873003 | 4.607004 | 0.0 | 0.0 | 0.0 | 3.297107 | 64.87432   | 1.800686 | -1.0 | -1.0 | 3.716246 | 0.0 | 70.83333 | -1.0 | 0.0 | 17.48439 | 2.858123 | 5.574369 | 42.73994 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 251 | 251 | 0.023615 | 57.98365 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.76 | 2.21 | 0 | 21.43349 | 51.6913  | 18.18099 | 2.623724 | 5.815041 | 0.0 | 0.0 | 0.0 | 3.071532 | 79.00657   | 2.096836 | -1.0 | -1.0 | 4.562387 | 0.0 | 70.91667 | -1.0 | 0.0 | 18.1018  | 3.281194 | 6.843581 | 49.91964 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 252 | 252 | 0.023892 | 57.96003 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.76 | 1.84 | 0 | 18.93603 | 48.30912 | 16.09725 | 5.363623 | 5.145194 | 0.0 | 0.0 | 0.0 | 3.162694 | 52.40799   | 2.016125 | -1.0 | -1.0 | 4.331787 | 0.0 | 71       | -1.0 | 0.0 | 18.32217 | 3.165893 | 6.49768  | 45.75754 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 253 | 253 | 0.024146 | 57.93614 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.77 | 1.60 | 0 | 18.24351 | 46.77057 | 19.50834 | 4.671998 | 5.717967 | 0.0 | 0.0 | 0.0 | 3.25353  | 74.5824    | 2.127939 | -1.0 | -1.0 | 4.651254 | 0.0 | 71.08333 | -1.0 | 0.0 | 17.98393 | 3.325627 | 6.976881 | 36.3851  | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 254 | 254 | 0.023499 | 57.91199 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.77 | 1.30 | 0 | 21.41693 | 43.10216 | 11.329   | 2.70676  | 5.806687 | 0.0 | 0.0 | 0.0 | 3.512081 | 43.44173   | 1.871875 | -1.0 | -1.0 | 3.919643 | 0.0 | 71.16667 | -1.0 | 0.0 | 18.64477 | 2.959822 | 5.879465 | 47.08449 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 255 | 255 | 0.023498 | 57.88849 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.77 | 1.23 | 0 | 21.59429 | 30.94577 | 18.11956 | 3.462818 | 4.691246 | 0.0 | 0.0 | 0.0 | 3.656589 | 46.49525   | 1.875569 | -1.0 | -1.0 | 3.930197 | 0.0 | 71.25    | -1.0 | 0.0 | 18.08085 | 2.965099 | 5.895296 | 51.11644 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 256 | 256 | 0.023932 | 57.865   | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.78 | 1.45 | 0 | 20.47748 | 50.96189 | 16.55855 | 5.381795 | 4.558553 | 0.0 | 0.0 | 0.0 | 3.273755 | 44.5993    | 2.019862 | -1.0 | -1.0 | 4.342464 | 0.0 | 71.33333 | -1.0 | 0.0 | 17.57447 | 3.171232 | 6.513695 | 39.02752 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 257 | 257 | 0.023284 | 57.84107 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.78 | 1.69 | 0 | 23.60331 | 32.92208 | 14.66549 | 4.499327 | 5.998149 | 0.0 | 0.0 | 0.0 | 3.055598 | 59.92994   | 2.002503 | -1.0 | -1.0 | 4.292866 | 0.0 | 71.41667 | -1.0 | 0.0 | 17.2877  | 3.146433 | 6.4393   | 41.09889 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 258 | 258 | 0.023768 | 57.81778 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.78 | 1.64 | 0 | 18.06343 | 53.62629 | 12.84125 | 5.289646 | 4.825069 | 0.0 | 0.0 | 0.0 | 3.384881 | 45.50468   | 1.973058 | -1.0 | -1.0 | 4.208736 | 0.0 | 71.5     | -1.0 | 0.0 | 17.13699 | 3.104368 | 6.313104 | 36.81406 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 259 | 259 | 0.025188 | 57.79401 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.78 | 1.87 | 0 | 24.60626 | 40.52532 | 13.03222 | 5.393399 | 4.083962 | 0.0 | 0.0 | 0.0 | 3.51365  | 75.29726   | 2.102851 | -1.0 | -1.0 | 4.579573 | 0.0 | 71.58333 | -1.0 | 0.0 | 16.92915 | 3.289787 | 6.86936  | 43.59236 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 260 | 260 | 0.025054 | 57.76883 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.79 | 2.41 | 0 | 23.32795 | 32.67996 | 13.67831 | 5.039773 | 3.499499 | 0.0 | 0.0 | 0.0 | 3.599464 | 51.90041   | 1.893887 | -1.0 | -1.0 | 3.982533 | 0.0 | 71.66667 | -1.0 | 0.0 | 16.6091  | 2.991267 | 5.9738   | 47.37144 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 261 | 261 | 0.024593 | 57.74377 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.79 | 2.38 | 0 | 24.48151 | 48.63709 | 12.78446 | 3.562106 | 5.480825 | 0.0 | 0.0 | 0.0 | 4.232931 | 67.22164   | 2.199615 | -1.0 | -1.0 | 4.856044 | 0.0 | 71.75    | -1.0 | 0.0 | 17.46147 | 3.428022 | 7.284066 | 45.44214 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 262 | 262 | 0.024748 | 57.71918 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.79 | 2.26 | 0 | 20.29182 | 41.76728 | 15.26119 | 5.494253 | 4.599016 | 0.0 | 0.0 | 0.0 | 3.872447 | 64.39892   | 2.094022 | -1.0 | -1.0 | 4.554349 | 0.0 | 71.83333 | -1.0 | 0.0 | 17.7164  | 3.277174 | 6.831523 | 52.00288 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 263 | 263 | 0.024579 | 57.69443 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.80 | 2.07 | 0 | 25.03173 | 54.41419 | 14.08561 | 3.304238 | 3.958364 | 0.0 | 0.0 | 0.0 | 3.848187 | 63.13208   | 2.094847 | -1.0 | -1.0 | 4.556707 | 0.0 | 71.91667 | -1.0 | 0.0 | 17.01824 | 3.278353 | 6.83506  | 39.28712 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 264 | 264 | 0.025303 | 57.66985 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.80 | 1.81 | 0 | 22.67084 | 36.19899 | 12.94333 | 3.530121 | 4.030532 | 0.0 | 0.0 | 0.0 | 3.580943 | 63.22473   | 1.887253 | -1.0 | -1.0 | 3.96358  | 0.0 | 72       | -1.0 | 0.0 | 16.15513 | 2.98179  | 5.94537  | 54.00083 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 265 | 265 | 0.023392 | 57.64455 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.80 | 1.61 | 0 | 17.85144 | 36.59389 | 7.152887 | 4.11366  | 3.288212 | 0.0 | 0.0 | 0.0 | 3.096154 | 63.6991    | 1.648555 | -1.0 | -1.0 | 3.281585 | 0.0 | 72.08333 | -1.0 | 0.0 | 16.76489 | 2.640793 | 4.922378 | 45.8421  | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 266 | 266 | 0.023792 | 57.62116 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.81 | 1.41 | 0 | 21.86663 | 51.01279 | 12.73342 | 5.29218  | 5.878154 | 0.0 | 0.0 | 0.0 | 3.83224  | 58.0721    | 2.19932  | -1.0 | -1.0 | 4.855201 | 0.0 | 72.16667 | -1.0 | 0.0 | 16.23017 | 3.427601 | 7.282802 | 49.17713 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 267 | 267 | 0.023748 | 57.59737 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.81 | 1.39 | 0 | 20.15258 | 43.9718  | 5.257175 | 3.655196 | 4.300058 | 0.0 | 0.0 | 0.0 | 4.443155 | 73.59971   | 1.967805 | -1.0 | -1.0 | 4.193729 | 0.0 | 72.25    | -1.0 | 0.0 | 16.65595 | 3.096864 | 6.290593 | 50.08105 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 268 | 268 | 0.023877 | 57.57362 | 2.20 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.81 | 1.45 | 0 | 24.67683 | 45.61239 | 12.83405 | 4.532014 | 4.677191 | 0.0 | 0.0 | 0.0 | 3.411023 | 64.76135</ |          |      |      |          |     |          |      |     |          |          |          |          |      |     |     |      |     |     |     |     |

|     |     |          |          |      |   |    |    |   |    |    |   |   |   |   |   |   |   |     |          |   |  |  |      |      |   |          |          |          |          |          |     |     |     |          |          |          |      |      |          |     |          |      |     |          |          |          |          |      |     |     |      |     |     |     |     |
|-----|-----|----------|----------|------|---|----|----|---|----|----|---|---|---|---|---|---|---|-----|----------|---|--|--|------|------|---|----------|----------|----------|----------|----------|-----|-----|-----|----------|----------|----------|------|------|----------|-----|----------|------|-----|----------|----------|----------|----------|------|-----|-----|------|-----|-----|-----|-----|
| 273 | 273 | 0.027881 | 57.4498  | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.83 | 2.34 | 0 | 18.74374 | 54.49308 | 18.73476 | 4.472366 | 5.22224  | 0.0 | 0.0 | 0.0 | 4.287278 | 66.59853 | 2.239872 | -1.0 | -1.0 | 4.971064 | 0.0 | 72.75    | -1.0 | 0.0 | 15.89238 | 3.485532 | 7.456596 | 50.00577 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 274 | 274 | 0.026997 | 57.42192 | 2.50 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.83 | 2.22 | 0 | 20.33359 | 49.76218 | 18.80358 | 5.105046 | 5.648439 | 0.0 | 0.0 | 0.0 | 3.244731 | 70.86042 | 2.186597 | -1.0 | -1.0 | 4.81885  | 0.0 | 72.83333 | -1.0 | 0.0 | 16.49972 | 3.409425 | 7.228275 | 53.64058 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 275 | 275 | 0.022429 | 57.39493 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.83 | 1.97 | 0 | 21.13592 | 48.82859 | 18.49265 | 4.81462  | 4.19919  | 0.0 | 0.0 | 0.0 | 3.512537 | 80.39306 | 2.155516 | -1.0 | -1.0 | 4.730046 | 0.0 | 72.91667 | -1.0 | 0.0 | 16.23366 | 3.365023 | 7.095068 | 52.69358 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 276 | 276 | 0.022906 | 57.3725  | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.84 | 1.79 | 0 | 17.5308  | 54.29405 | 18.74355 | 5.402385 | 5.682892 | 0.0 | 0.0 | 0.0 | 3.24948  | 74.6409  | 2.195968 | -1.0 | -1.0 | 4.845622 | 0.0 | 73       | -1.0 | 0.0 | 14.67362 | 3.422811 | 7.268434 | 58.30279 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 277 | 277 | 0.024499 | 57.34959 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.84 | 1.53 | 0 | 23.15911 | 54.81082 | 15.00929 | 4.93854  | 5.141924 | 0.0 | 0.0 | 0.0 | 3.096515 | 76.16916 | 2.192725 | -1.0 | -1.0 | 4.836357 | 0.0 | 73.08333 | -1.0 | 0.0 | 15.58568 | 3.418178 | 7.254535 | 53.57688 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 278 | 278 | 0.038561 | 57.32509 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.84 | 1.37 | 0 | 22.38636 | 54.59309 | 15.60322 | 5.078314 | 4.570443 | 0.0 | 0.0 | 0.0 | 3.299629 | 80.55098 | 2.197429 | -1.0 | -1.0 | 4.849798 | 0.0 | 73.16667 | -1.0 | 0.0 | 16.4354  | 3.424898 | 7.274694 | 57.08718 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 279 | 279 | 0.039004 | 57.28653 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.85 | 1.33 | 0 | 22.52205 | 53.81266 | 19.41218 | 5.283576 | 3.643351 | 0.0 | 0.0 | 0.0 | 3.725529 | 83.49557 | 2.260203 | -2.0 | -2.0 | 5.029151 | 0.0 | 73.25    | -1.0 | 0.0 | 15.51824 | 3.514576 | 7.543727 | 56.27199 | -2.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 280 | 280 | 0.024665 | 57.24753 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.85 | 1.42 | 0 | 22.3109  | 54.38008 | 17.50175 | 5.498412 | 4.586911 | 0.0 | 0.0 | 0.0 | 4.035658 | 83.87508 | 2.347286 | -2.0 | -2.0 | 5.27796  | 0.0 | 73.33333 | -1.0 | 0.0 | 14.85948 | 3.63898  | 7.916941 | 55.80433 | -2.0 | 0.0 | 0.0 | -2.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 281 | 281 | 0.022611 | 57.22286 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.85 | 1.61 | 0 | 19.76717 | 55.29597 | 11.96183 | 5.507133 | 4.740321 | 0.0 | 0.0 | 0.0 | 3.756676 | 85.49915 | 2.215151 | -1.0 | -1.0 | 4.900431 | 0.0 | 73.41667 | -1.0 | 0.0 | 14.91681 | 3.450216 | 7.350647 | 59.42376 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 282 | 282 | 0.023881 | 57.20025 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.85 | 1.86 | 0 | 19.59368 | 56.9605  | 16.97545 | 5.515591 | 4.145261 | 0.0 | 0.0 | 0.0 | 3.316851 | 86.46506 | 2.198256 | -1.0 | -1.0 | 4.852161 | 0.0 | 73.5     | -1.0 | 0.0 | 13.72731 | 3.426081 | 7.278242 | 60.09735 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 283 | 283 | 0.02684  | 57.17637 | 1.00 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.86 | 2.07 | 0 | 21.71497 | 57.55263 | 15.95476 | 5.524768 | 4.137828 | 0.0 | 0.0 | 0.0 | 3.300684 | 88.6212  | 2.23847  | -1.0 | -1.0 | 4.967058 | 0.0 | 73.58333 | -1.0 | 0.0 | 16.64924 | 3.483529 | 7.450588 | 52.73876 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 284 | 284 | 0.023448 | 57.14953 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 2.86 | 2.25 | 0 | 21.05286 | 56.68697 | 14.00613 | 5.512036 | 5.845194 | 0.0 | 0.0 | 0.0 | 3.063994 | 88.54105 | 2.270796 | -1.0 | -1.0 | 5.059416 | 0.0 | 73.66667 | -1.0 | 0.0 | 15.54894 | 3.529708 | 7.589124 | 59.70714 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 285 | 285 | 0.023651 | 57.12608 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.86 | 2.28 | 0 | 19.14715 | 59.97577 | 19.55281 | 5.917122 | 4.383402 | 0.0 | 0.0 | 0.0 | 3.681819 | 87.38119 | 2.329416 | -1.0 | -1.0 | 5.226904 | 0.0 | 73.75    | -1.0 | 0.0 | 16.49191 | 3.613452 | 7.840355 | 58.26243 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 286 | 286 | 0.022013 | 57.10243 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.87 | 2.15 | 0 | 22.47398 | 56.67688 | 10.48223 | 5.689183 | 4.625476 | 0.0 | 0.0 | 0.0 | 3.01468  | 85.646   | 2.171407 | -1.0 | -1.0 | 4.775449 | 0.0 | 73.83333 | -1.0 | 0.0 | 16.37376 | 3.387725 | 7.163174 | 61.14711 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 287 | 287 | 0.022236 | 57.08042 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.87 | 1.97 | 0 | 21.92644 | 61.9994  | 16.38414 | 5.592478 | 5.818623 | 0.0 | 0.0 | 0.0 | 3.443253 | 90.02465 | 2.41186  | -1.0 | -1.0 | 5.462457 | 0.0 | 73.91667 | -1.0 | 0.0 | 14.5901  | 3.731229 | 8.193686 | 54.9117  | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 288 | 288 | 0.021174 | 57.05818 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.87 | 1.70 | 0 | 18.93966 | 57.59194 | 15.48777 | 6.01436  | 5.680016 | 0.0 | 0.0 | 0.0 | 3.74158  | 90.82063 | 2.364565 | -1.0 | -1.0 | 5.32733  | 0.0 | 74       | -1.0 | 0.0 | 15.19949 | 3.663665 | 7.990995 | 64.36342 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 289 | 289 | 0.021656 | 57.03701 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.88 | 1.45 | 0 | 20.12539 | 60.37121 | 14.09881 | 6.922642 | 5.666042 | 0.0 | 0.0 | 0.0 | 3.033685 | 96.57129 | 2.373987 | -1.0 | -1.0 | 5.35425  | 0.0 | 74.08333 | -1.0 | 0.0 | 14.77467 | 3.677125 | 8.031375 | 56.69216 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 290 | 290 | 0.021372 | 57.01535 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.88 | 1.28 | 0 | 21.40971 | 62.51635 | 16.96453 | 5.581647 | 5.299416 | 0.0 | 0.0 | 0.0 | 3.339046 | 92.1563  | 2.374594 | -1.0 | -1.0 | 5.355982 | 0.0 | 74.16667 | -1.0 | 0.0 | 14.43539 | 3.677991 | 8.033972 | 57.38305 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 291 | 291 | 0.021761 | 56.99398 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.88 | 1.11 | 0 | 21.9865  | 55.18794 | 18.89865 | 5.574834 | 4.668418 | 0.0 | 0.0 | 0.0 | 3.002339 | 100.2903 | 2.30734  | -1.0 | -1.0 | 5.163829 | 0.0 | 74.25    | -1.0 | 0.0 | 14.1926  | 3.581915 | 7.745744 | 55.57039 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 292 | 292 | 0.020981 | 56.97222 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.88 | 1.31 | 0 | 18.44428 | 67.08308 | 14.49714 | 5.583142 | 4.784744 | 0.0 | 0.0 | 0.0 | 3.191426 | 91.06548 | 2.26233  | -1.0 | -1.0 | 5.035229 | 0.0 | 74.33333 | -1.0 | 0.0 | 15.11514 | 3.517614 | 7.552843 | 64.17602 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 293 | 293 | 0.021112 | 56.95124 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.89 | 1.52 | 0 | 19.67002 | 69.8752  | 19.88911 | 6.846233 | 5.914227 | 0.0 | 0.0 | 0.0 | 3.144846 | 89.68376 | 2.503816 | -1.0 | -1.0 | 5.725188 | 0.0 | 74.41667 | -1.0 | 0.0 | 14.31354 | 3.862594 | 8.587783 | 59.50708 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 294 | 294 | 0.022215 | 56.93013 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.89 | 1.72 | 0 | 20.86272 | 59.55041 | 17.93948 | 7.547393 | 5.779623 | 0.0 | 0.0 | 0.0 | 3.00761  | 87.60372 | 2.434937 | -1.0 | -1.0 | 5.528391 | 0.0 | 74.5     | -1.0 | 0.0 | 13.39083 | 3.764195 | 8.292586 | 61.93812 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 295 | 295 | 0.022086 | 56.90791 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.89 | 2.01 | 0 | 19.05723 | 71.97916 | 19.1958  | 5.887095 | 5.442771 | 0.0 | 0.0 | 0.0 | 3.309372 | 111.4314 | 2.519381 | -1.0 | -1.0 | 5.769659 | 0.0 | 74.58333 | -1.0 | 0.0 | 14.74834 | 3.88483  | 8.654489 | 59.19215 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 296 | 296 | 0.021228 | 56.88582 | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.90 | 2.18 | 0 | 18.2416  | 73.78179 | 17.77089 | 6.739228 | 5.642589 | 0.0 | 0.0 | 0.0 | 3.028446 | 112.3885 | 2.526528 | -1.0 | -1.0 | 5.79008  | 0.0 | 74.66667 | -1.0 | 0.0 | 15.51693 | 3.89504  | 8.68512  | 60.20976 | -1.0 | 0.0 | 0.0 | -1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 297 | 297 | 0.022651 | 56.8646  | 1.60 | 1 | 40 | 30 | 1 | 30 | -5 | 0 | 0 | 1 | 2 | 2 | 2 | 1 | 360 | 0.066667 | 0 |  |  | 1.90 | 2.20 | 0 | 19.2067  | 74.53196 | 17.88587 | 7.657739 | 5.699455 | 0.0 | 0.0 | 0.0 | 3.121099 | 111.7887 | 2.6      |      |      |          |     |          |      |     |          |          |          |          |      |     |     |      |     |     |     |     |