```
A = SparseArray [\{\{1,1\} \rightarrow 4.5^{\circ}, \{1,2\} \rightarrow 30.2^{\circ}, \{1,3\} \rightarrow 3.2^{\circ},
     \{1, 4\} \rightarrow -300.2, \{2, 1\} \rightarrow 3.1, \{2, 2\} \rightarrow 2.9, \{2, 4\} \rightarrow 0.9, \{3, 2\} \rightarrow 1.7,
     \{3, 3\} \rightarrow 3.^{\circ}, \{4, 1\} \rightarrow 3.5^{\circ}, \{4, 2\} \rightarrow 0.4^{\circ}, \{4, 4\} \rightarrow 1.^{\circ}, \{5, 5\} \rightarrow 1.^{\circ},
     \{6,6\} \rightarrow 1., \{7,7\} \rightarrow 1., \{8,8\} \rightarrow 1., \{9,9\} \rightarrow 1., \{10,10\} \rightarrow 1.,
     \{11, 11\} \rightarrow 1., \{12, 12\} \rightarrow 1., \{13, 13\} \rightarrow 1., \{14, 14\} \rightarrow 2.}; MatrixForm [A]
  4.5 30.2 3.2 -300.2 0
                                          0
                                               0
                                                    0
                                                         0
                                                               0
                                                                                    0
  3.1
         2.9
                  0
                          0.9
                                    0
                                          0
                                               0
                                                    0
                                                         0
                                                               0
                                                                    0
                                                                         0
                                                                                    0
  0
         1.7
                  3.
                            0
                                    0
                                          0
                                               0
                                                    0
                                                         0
                                                               0
                                                                    0
                                                                         0
                                                                                    0
  3.5
        0.4
                   0
                           1.
                                    0
                                          0
                                               0
                                                    0
                                                         0
                                                                                    0
   0
           0
                   0
                            0
                                    1.
                                          0
                                               0
                                                    0
                                                         0
                                                                                    0
                                    0
                                         1.
                                                                    0
   0
           0
                   0
                            0
                                               0
                                                    0
                                                         0
                                                               0
                                                                         0
                                                                               0
                                                                                    0
                   0
                            0
                                    0
                                          0
                                              1.
                                                    0
                                                         0
                                                               0
                                                                    0
                                                                         0
                                                                               0
                                                                                    0
   0
           0
                                                   1.
                   0
                                    0
                                          0
                                               0
                                                         0
                                                               0
                                                                    0
   0
           0
                            0
                                                                                    0
   0
           0
                   0
                            0
                                    0
                                          0
                                               0
                                                    0
                                                        1.
                                                               0
                                                                    0
                                                                                    0
   0
           0
                   0
                            0
                                    0
                                          0
                                               0
                                                    0
                                                         0
                                                              1.
                                                                    0
                                                                         0
                                                                               0
                                                                                    0
   0
           0
                   0
                            0
                                    0
                                          0
                                               0
                                                    0
                                                         0
                                                               0
                                                                   1.
                                                                        0
                                                                               0
                                                                                    0
   0
                   0
                                    0
                                          0
                                                         0
                                                               0
                                                                    0
                            0
                                               0
                                                    0
                                                                        1.
                                                                                    0
   0
           0
                   0
                            0
                                     0
                                          0
                                               0
                                                    0
                                                         0
                                                               0
                                                                    0
                                                                         0
                                                                             1.
                                          0
                                                                         0
                                                                              Ο
   0
                                    0
                                                    0
                                                         0
                                                               0
                                                                    0
                                                                                   2.
           0
                   0
                            0
                                               0
```

## Inverse[A] // MatrixForm

```
0.00094507
              -0.0552407 -0.00100807
                                      0.333427
                                                 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
                        -0.000019844 -0.347767
                                                 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
0.0000186037
              0.392613
-0.0000105421
             -0.222481
                          0.333345
                                      0.197068
                                                 0. 0. 0. 0. 0. 0. 0. 0. 0.
-0.00331519
              0.0362971
                          0.0035362
                                     -0.0278865 0. 0. 0. 0. 0. 0. 0. 0. 0.
                                                 1. 0. 0. 0. 0. 0. 0. 0. 0.
                 0.
                             0.
                                          0.
     0.
                                                 0. 1. 0. 0. 0. 0. 0. 0. 0.
     0.
                 0.
                             0.
                                         0.
                                                 0. 0. 1. 0. 0. 0. 0. 0. 0.
     0.
                 0.
                             0.
                                         0.
                                         0.
                                                 0. 0. 0. 1. 0. 0. 0. 0. 0.
     0.
                 0.
                             0.
                                                                              0.
     0.
                 0.
                             0.
                                         0.
                                                 0. 0. 0. 0. 1. 0. 0. 0. 0.
     0.
                 0.
                             0.
                                         Ω
                                                 0. 0. 0. 0. 0. 1. 0. 0. 0.
                                                                              Ω
     0.
                 0.
                                         0.
                                                 0. 0. 0. 0. 0. 1. 0. 0.
                                         0.
                                                 0. 0. 0. 0. 0. 0. 1. 0. 0.
     0.
                 0.
                             0.
                                                 0. 0. 0. 0. 0. 0. 0. 1. 0.
     0.
                 0.
                             0.
                                         0.
     0.
                             0.
                                         0.
                                                 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
                 0.
```

## Inverse[A] // MatrixForm

```
-0.238932 -0.143924 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.
 0.223999
            0.159915
0.00440943
            0.396849
                     -0.00470339 -0.357164 0. 0. 0. 0. 0. 0. 0. 0. 0.
                                  0.202393 0. 0. 0. 0. 0. 0. 0. 0. 0.
-0.00249868 -0.224881
                       0.335999
 -0.78576
            -0.718443
                       0.838145
                                   1.6466
                                            0. 0. 0. 0. 0. 0. 0. 0. 0.
                                     0.
                                            1. 0. 0. 0. 0. 0. 0. 0. 0.
    0.
               0.
                          0.
                                            0. 1. 0. 0. 0. 0. 0. 0. 0.
    0.
               0.
                          0.
                                     0.
                                            0. 0. 1. 0. 0. 0. 0. 0. 0.
    0.
               0.
                          0.
                                     0.
                                                                          0.
    0.
               0.
                          0.
                                     0.
                                            0. 0. 0. 1. 0. 0. 0. 0. 0.
                                                                          0.
                                            0. 0. 0. 0. 1. 0. 0. 0. 0.
    0.
               0.
                          0.
                                     0.
                                            0. 0. 0. 0. 1. 0. 0. 0. 0.
    0.
               0.
                          0.
                                     0.
                                            0. 0. 0. 0. 0. 1. 0. 0.
               0.
                          0.
                                     0.
    0.
                                            0. 0. 0. 0. 0. 0. 0. 1. 0.
    0.
               0.
                          0.
                                     0.
                                            0. 0. 0. 0. 0. 0. 0. 1.
    0.
               0.
                          0.
                                     0.
    0.
               0.
                          0.
                                     0.
                                            0. 0. 0. 0. 0. 0. 0. 0. 0. 0.5
```